

|                 |   |                                |   |                 |
|-----------------|---|--------------------------------|---|-----------------|
| Report No       | : | Voltage                        | : | V               |
| Test No         | : | Current                        | : | A               |
| LumCAT          | : | Power                          | : | 41.000 W        |
| Luminaire       | : | 0003010030 41W 2200K 4633lm PF | : |                 |
| LampCAT         | : | Ballast type                   | : |                 |
| Lamp flux       | : | 4633.0 lm                      | : | Width : 348 mm  |
| Number of Lamps | : | 1                              | : | Length : 348 mm |
| Phm Type        | : | C                              | : | Height : 0 mm   |

### Photometric Results

|                                          |   |                                          |                            |   |                      |
|------------------------------------------|---|------------------------------------------|----------------------------|---|----------------------|
| Lumens(lm)                               | : | 4633.00                                  | Central intensity(cd)      | : | 855.519              |
| Efficiency(%)                            | : | 100.00%                                  | Maximum intensity(cd)      | : | 1691.399             |
| Luminous Efficacy(lm/W)                  | : | 113.00                                   | Angle of maximum intensity | : | C=0.0 $\gamma$ =57.0 |
| Beam Angle(50%Imax)                      | : | [C0/180]Total=130.4 [C90/270]Total=136.8 |                            |   |                      |
| Field angle(10%Imax)                     | : | [C0/180]Total=140.0 [C90/270]Total=147.0 |                            |   |                      |
| Maximum s/h(1/2)                         | : | C0_180=2.22 C90_270=2.31                 |                            |   |                      |
| Maximum s/h(1/4)                         | : | C0_180=2.39 C90_270=2.21                 |                            |   |                      |
| Up flux rate of lamp(%)                  | : | 0.12%                                    |                            |   |                      |
| Down flux rate of lamp(%)                | : | 99.88%                                   |                            |   |                      |
| Up flux rate of LUM(%)                   | : | 0.12%                                    |                            |   |                      |
| Down flux rate of LUM(%)                 | : | 99.88%                                   |                            |   |                      |
| CIE Type                                 | : | Direct lighting                          |                            |   |                      |
| Output flux ratio in $\pi$ solid angle : | : | 79.439%                                  |                            |   |                      |

## Zonal flux distribution table

Appendix Page: 2 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0                | 855.519       | 0.000       | 0         | 0.00%       | 0.00%      |
| 1.0                | 855.519       | 0.819       | 0.819     | 0.02%       | 0.02%      |
| 2.0                | 858.085       | 2.460       | 3.278     | 0.05%       | 0.07%      |
| 3.0                | 857.767       | 4.104       | 7.382     | 0.09%       | 0.16%      |
| 4.0                | 857.385       | 5.741       | 13.123    | 0.12%       | 0.28%      |
| 5.0                | 857.671       | 7.378       | 20.501    | 0.16%       | 0.44%      |
| 6.0                | 856.748       | 9.010       | 29.511    | 0.19%       | 0.64%      |
| 7.0                | 852.227       | 10.608      | 40.119    | 0.23%       | 0.87%      |
| 8.0                | 849.712       | 12.180      | 52.299    | 0.26%       | 1.13%      |
| 9.0                | 847.769       | 13.757      | 66.056    | 0.30%       | 1.43%      |
| 10.0               | 840.765       | 15.281      | 81.337    | 0.33%       | 1.76%      |
| 11.0               | 836.371       | 16.758      | 98.095    | 0.36%       | 2.12%      |
| 12.0               | 830.545       | 18.222      | 116.317   | 0.39%       | 2.51%      |
| 13.0               | 824.400       | 19.640      | 135.957   | 0.42%       | 2.93%      |
| 14.0               | 819.910       | 21.047      | 157.004   | 0.45%       | 3.39%      |
| 15.0               | 816.440       | 22.465      | 179.468   | 0.48%       | 3.87%      |
| 16.0               | 811.696       | 23.857      | 203.325   | 0.51%       | 4.39%      |
| 17.0               | 810.709       | 25.265      | 228.59    | 0.55%       | 4.93%      |
| 18.0               | 814.720       | 26.800      | 255.39    | 0.58%       | 5.51%      |
| 19.0               | 817.745       | 28.402      | 283.791   | 0.61%       | 6.13%      |
| 20.0               | 826.183       | 30.088      | 313.88    | 0.65%       | 6.77%      |
| 21.0               | 836.817       | 31.933      | 345.813   | 0.69%       | 7.46%      |
| 22.0               | 847.387       | 33.845      | 379.658   | 0.73%       | 8.19%      |
| 23.0               | 858.817       | 35.801      | 415.458   | 0.77%       | 8.97%      |
| 24.0               | 877.921       | 37.971      | 453.43    | 0.82%       | 9.79%      |
| 25.0               | 898.042       | 40.382      | 493.811   | 0.87%       | 10.66%     |
| 26.0               | 914.535       | 42.786      | 536.597   | 0.92%       | 11.58%     |
| 27.0               | 938.701       | 45.340      | 581.937   | 0.98%       | 12.56%     |
| 28.0               | 968.661       | 48.290      | 630.227   | 1.04%       | 13.60%     |
| 29.0               | 995.500       | 51.388      | 681.615   | 1.11%       | 14.71%     |
| 30.0               | 1019.730      | 54.411      | 736.026   | 1.17%       | 15.89%     |
| 31.0               | 1043.736      | 57.423      | 793.45    | 1.24%       | 17.13%     |
| 32.0               | 1062.139      | 60.331      | 853.78    | 1.30%       | 18.43%     |
| 33.0               | 1076.180      | 62.996      | 916.776   | 1.36%       | 19.79%     |
| 34.0               | 1096.334      | 65.747      | 982.523   | 1.42%       | 21.21%     |
| 35.0               | 1116.838      | 68.733      | 1051.256  | 1.48%       | 22.69%     |
| 36.0               | 1128.236      | 71.484      | 1122.739  | 1.54%       | 24.23%     |
| 37.0               | 1140.016      | 73.978      | 1196.717  | 1.60%       | 25.83%     |

Equipment: GMS-1800  
Temperature( $^{\circ}\text{C}$ ): 24.8

Date:  
Humidity(%): 56%

Operator: LSC

## Zonal flux distribution table

Appendix Page: 3 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 38.0               | 1158.642      | 76.726      | 1273.443  | 1.66%       | 27.49%     |
| 39.0               | 1173.925      | 79.617      | 1353.06   | 1.72%       | 29.20%     |
| 40.0               | 1192.391      | 82.529      | 1435.589  | 1.78%       | 30.99%     |
| 41.0               | 1207.801      | 85.470      | 1521.058  | 1.84%       | 32.83%     |
| 42.0               | 1228.019      | 88.498      | 1609.556  | 1.91%       | 34.74%     |
| 43.0               | 1248.332      | 91.731      | 1701.287  | 1.98%       | 36.72%     |
| 44.0               | 1267.435      | 94.952      | 1796.239  | 2.05%       | 38.77%     |
| 45.0               | 1286.156      | 98.137      | 1894.377  | 2.12%       | 40.89%     |
| 46.0               | 1304.368      | 101.310     | 1995.686  | 2.19%       | 43.08%     |
| 47.0               | 1319.237      | 104.348     | 2100.034  | 2.25%       | 45.33%     |
| 48.0               | 1337.990      | 107.419     | 2207.453  | 2.32%       | 47.65%     |
| 49.0               | 1357.475      | 110.691     | 2318.144  | 2.39%       | 50.04%     |
| 50.0               | 1374.827      | 113.919     | 2432.063  | 2.46%       | 52.49%     |
| 51.0               | 1390.014      | 116.976     | 2549.039  | 2.52%       | 55.02%     |
| 52.0               | 1401.762      | 119.797     | 2668.836  | 2.59%       | 57.60%     |
| 53.0               | 1412.587      | 122.424     | 2791.26   | 2.64%       | 60.25%     |
| 54.0               | 1419.274      | 124.817     | 2916.077  | 2.69%       | 62.94%     |
| 55.0               | 1417.746      | 126.640     | 3042.717  | 2.73%       | 65.67%     |
| 56.0               | 1411.569      | 127.849     | 3170.565  | 2.76%       | 68.43%     |
| 57.0               | 1401.189      | 128.606     | 3299.171  | 2.78%       | 71.21%     |
| 58.0               | 1379.125      | 128.572     | 3427.743  | 2.78%       | 73.99%     |
| 59.0               | 1348.783      | 127.531     | 3555.274  | 2.75%       | 76.74%     |
| 60.0               | 1299.560      | 125.117     | 3680.391  | 2.70%       | 79.44%     |
| 61.0               | 1235.182      | 120.963     | 3801.354  | 2.61%       | 82.05%     |
| 62.0               | 1159.438      | 115.387     | 3916.741  | 2.49%       | 84.54%     |
| 63.0               | 1064.050      | 108.140     | 4024.881  | 2.33%       | 86.87%     |
| 64.0               | 969.679       | 99.794      | 4124.675  | 2.15%       | 89.03%     |
| 65.0               | 867.254       | 90.908      | 4215.583  | 1.96%       | 90.99%     |
| 66.0               | 757.952       | 81.087      | 4296.671  | 1.75%       | 92.74%     |
| 67.0               | 639.640       | 70.275      | 4366.946  | 1.52%       | 94.26%     |
| 68.0               | 531.229       | 59.312      | 4426.258  | 1.28%       | 95.54%     |
| 69.0               | 423.200       | 48.690      | 4474.948  | 1.05%       | 96.59%     |
| 70.0               | 309.727       | 37.642      | 4512.59   | 0.81%       | 97.40%     |
| 71.0               | 227.806       | 27.783      | 4540.373  | 0.60%       | 98.00%     |
| 72.0               | 169.414       | 20.654      | 4561.027  | 0.45%       | 98.45%     |
| 73.0               | 109.366       | 14.578      | 4575.605  | 0.31%       | 98.76%     |
| 74.0               | 77.654        | 9.832       | 4585.437  | 0.21%       | 98.97%     |
| 75.0               | 57.755        | 7.155       | 4592.592  | 0.15%       | 99.13%     |

Equipment: GMS-1800  
Temperature( $^{\circ}\text{C}$ ): 24.8

Date:  
Humidity(%): 56%

Operator: LSC

## Zonal flux distribution table

Appendix Page: 4 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 76.0               | 45.593        | 5.486       | 4598.078  | 0.12%       | 99.25%     |
| 77.0               | 37.379        | 4.424       | 4602.502  | 0.10%       | 99.34%     |
| 78.0               | 32.921        | 3.763       | 4606.265  | 0.08%       | 99.42%     |
| 79.0               | 29.324        | 3.344       | 4609.609  | 0.07%       | 99.50%     |
| 80.0               | 25.535        | 2.958       | 4612.567  | 0.06%       | 99.56%     |
| 81.0               | 22.542        | 2.600       | 4615.167  | 0.06%       | 99.61%     |
| 82.0               | 19.931        | 2.303       | 4617.47   | 0.05%       | 99.66%     |
| 83.0               | 17.225        | 2.020       | 4619.49   | 0.04%       | 99.71%     |
| 84.0               | 14.741        | 1.741       | 4621.231  | 0.04%       | 99.75%     |
| 85.0               | 12.895        | 1.508       | 4622.739  | 0.03%       | 99.78%     |
| 86.0               | 10.921        | 1.302       | 4624.041  | 0.03%       | 99.81%     |
| 87.0               | 8.979         | 1.089       | 4625.13   | 0.02%       | 99.83%     |
| 88.0               | 7.387         | 0.896       | 4626.027  | 0.02%       | 99.85%     |
| 89.0               | 6.049         | 0.736       | 4626.763  | 0.02%       | 99.87%     |
| 90.0               | 4.744         | 0.592       | 4627.355  | 0.01%       | 99.88%     |
| 91.0               | 3.980         | 0.478       | 4627.833  | 0.01%       | 99.89%     |
| 92.0               | 3.248         | 0.396       | 4628.229  | 0.01%       | 99.90%     |
| 93.0               | 2.897         | 0.337       | 4628.566  | 0.01%       | 99.90%     |
| 94.0               | 2.674         | 0.305       | 4628.871  | 0.01%       | 99.91%     |
| 95.0               | 2.547         | 0.285       | 4629.156  | 0.01%       | 99.92%     |
| 96.0               | 2.483         | 0.275       | 4629.431  | 0.01%       | 99.92%     |
| 97.0               | 2.324         | 0.262       | 4629.693  | 0.01%       | 99.93%     |
| 98.0               | 2.197         | 0.246       | 4629.938  | 0.01%       | 99.93%     |
| 99.0               | 2.101         | 0.233       | 4630.172  | 0.01%       | 99.94%     |
| 100.0              | 2.069         | 0.226       | 4630.397  | 0.00%       | 99.94%     |
| 101.0              | 1.847         | 0.211       | 4630.608  | 0.00%       | 99.95%     |
| 102.0              | 1.688         | 0.190       | 4630.798  | 0.00%       | 99.95%     |
| 103.0              | 1.592         | 0.176       | 4630.974  | 0.00%       | 99.96%     |
| 104.0              | 1.401         | 0.160       | 4631.133  | 0.00%       | 99.96%     |
| 105.0              | 1.273         | 0.142       | 4631.275  | 0.00%       | 99.96%     |
| 106.0              | 1.178         | 0.130       | 4631.405  | 0.00%       | 99.97%     |
| 107.0              | 1.146         | 0.122       | 4631.527  | 0.00%       | 99.97%     |
| 108.0              | 1.051         | 0.115       | 4631.642  | 0.00%       | 99.97%     |
| 109.0              | 0.891         | 0.101       | 4631.743  | 0.00%       | 99.97%     |
| 110.0              | 0.860         | 0.090       | 4631.833  | 0.00%       | 99.97%     |
| 111.0              | 0.764         | 0.083       | 4631.917  | 0.00%       | 99.98%     |
| 112.0              | 0.732         | 0.076       | 4631.993  | 0.00%       | 99.98%     |
| 113.0              | 0.605         | 0.068       | 4632.061  | 0.00%       | 99.98%     |

Equipment: GMS-1800  
Temperature( $^{\circ}\text{C}$ ): 24.8

Date:  
Humidity(%): 56%

Operator: LSC

## Zonal flux distribution table

Appendix Page: 5 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 114.0              | 0.541         | 0.058       | 4632.118  | 0.00%       | 99.98%     |
| 115.0              | 0.509         | 0.052       | 4632.171  | 0.00%       | 99.98%     |
| 116.0              | 0.509         | 0.050       | 4632.221  | 0.00%       | 99.98%     |
| 117.0              | 0.446         | 0.047       | 4632.268  | 0.00%       | 99.98%     |
| 118.0              | 0.446         | 0.043       | 4632.311  | 0.00%       | 99.99%     |
| 119.0              | 0.414         | 0.041       | 4632.353  | 0.00%       | 99.99%     |
| 120.0              | 0.414         | 0.039       | 4632.392  | 0.00%       | 99.99%     |
| 121.0              | 0.382         | 0.038       | 4632.43   | 0.00%       | 99.99%     |
| 122.0              | 0.382         | 0.036       | 4632.465  | 0.00%       | 99.99%     |
| 123.0              | 0.382         | 0.035       | 4632.501  | 0.00%       | 99.99%     |
| 124.0              | 0.382         | 0.035       | 4632.536  | 0.00%       | 99.99%     |
| 125.0              | 0.382         | 0.035       | 4632.57   | 0.00%       | 99.99%     |
| 126.0              | 0.382         | 0.034       | 4632.604  | 0.00%       | 99.99%     |
| 127.0              | 0.382         | 0.034       | 4632.638  | 0.00%       | 99.99%     |
| 128.0              | 0.382         | 0.033       | 4632.671  | 0.00%       | 99.99%     |
| 129.0              | 0.350         | 0.031       | 4632.703  | 0.00%       | 99.99%     |
| 130.0              | 0.350         | 0.030       | 4632.732  | 0.00%       | 99.99%     |
| 131.0              | 0.350         | 0.029       | 4632.761  | 0.00%       | 99.99%     |
| 132.0              | 0.350         | 0.029       | 4632.79   | 0.00%       | 100.00%    |
| 133.0              | 0.286         | 0.026       | 4632.816  | 0.00%       | 100.00%    |
| 134.0              | 0.286         | 0.023       | 4632.839  | 0.00%       | 100.00%    |
| 135.0              | 0.318         | 0.024       | 4632.862  | 0.00%       | 100.00%    |
| 136.0              | 0.350         | 0.026       | 4632.888  | 0.00%       | 100.00%    |
| 137.0              | 0.350         | 0.026       | 4632.914  | 0.00%       | 100.00%    |
| 138.0              | 0.318         | 0.025       | 4632.939  | 0.00%       | 100.00%    |
| 139.0              | 0.222         | 0.020       | 4632.959  | 0.00%       | 100.00%    |
| 140.0              | 0.222         | 0.016       | 4632.975  | 0.00%       | 100.00%    |
| 141.0              | 0.159         | 0.013       | 4632.988  | 0.00%       | 100.00%    |
| 142.0              | 0.096         | 0.009       | 4632.997  | 0.00%       | 100.00%    |
| 143.0              | 0.032         | 0.004       | 4633.001  | 0.00%       | 100.00%    |
| 144.0              | 0.032         | 0.002       | 4633.003  | 0.00%       | 100.00%    |
| 145.0              | 0.000         | 0.001       | 4633.004  | 0.00%       | 100.00%    |
| 146.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 147.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 148.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 149.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 150.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 151.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |

Equipment: GMS-1800  
Temperature( $^{\circ}\text{C}$ ): 24.8

Date:  
Humidity(%): 56%

Operator: LSC

## Zonal flux distribution table

Appendix Page: 6 Total:21

| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 152.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 153.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 154.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 155.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 156.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 157.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 158.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 159.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 160.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 161.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 162.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 163.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 164.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 165.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 166.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 167.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 168.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 169.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 170.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 171.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 172.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 173.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 174.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 175.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 176.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 177.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 178.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 179.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |
| 180.0              | 0.000         | 0.000       | 4633.004  | 0.00%       | 100.00%    |

Equipment: GMS-1800  
Temperature( $^{\circ}\text{C}$ ): 24.8

Date:  
Humidity(%): 56%

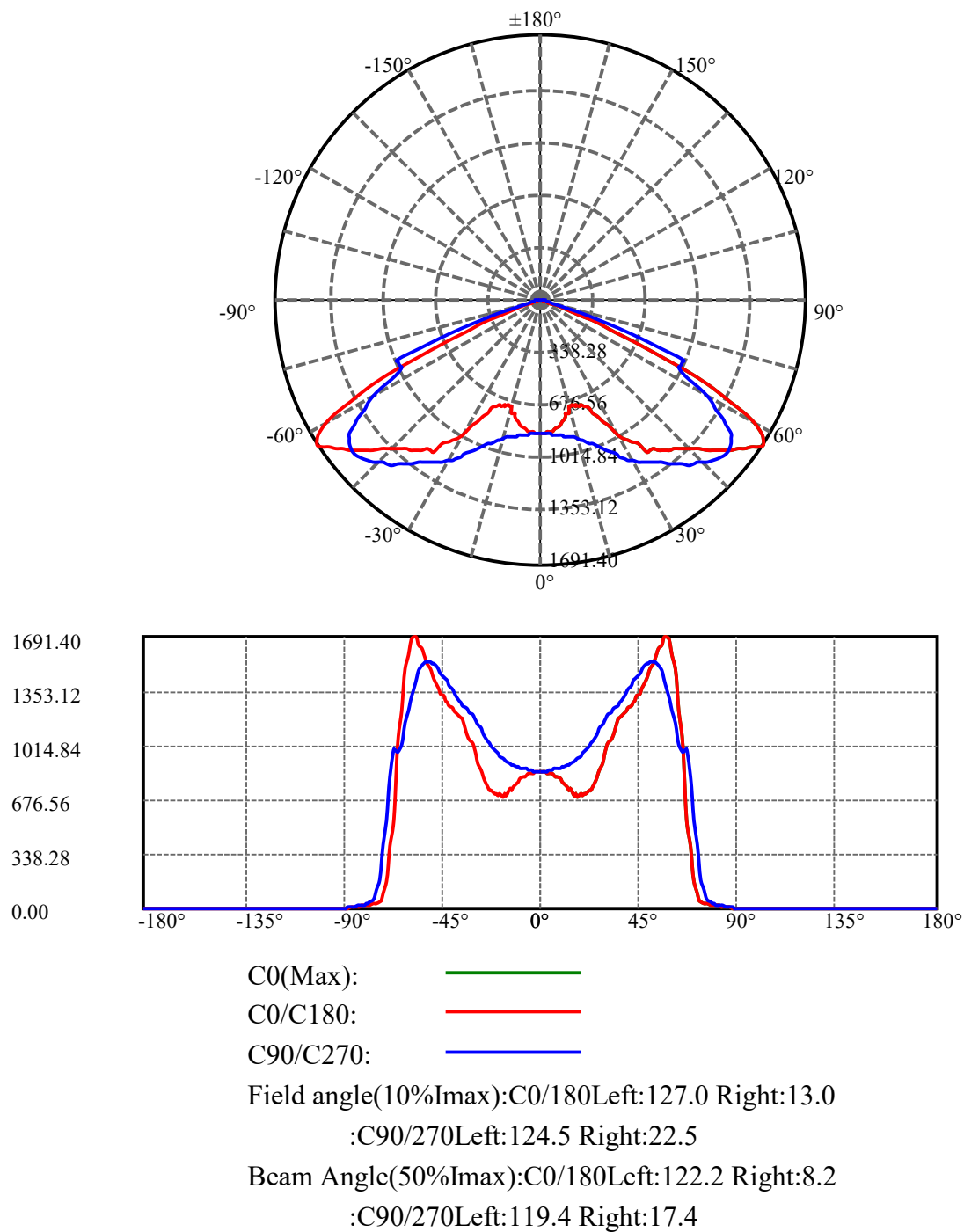
Operator: LSC

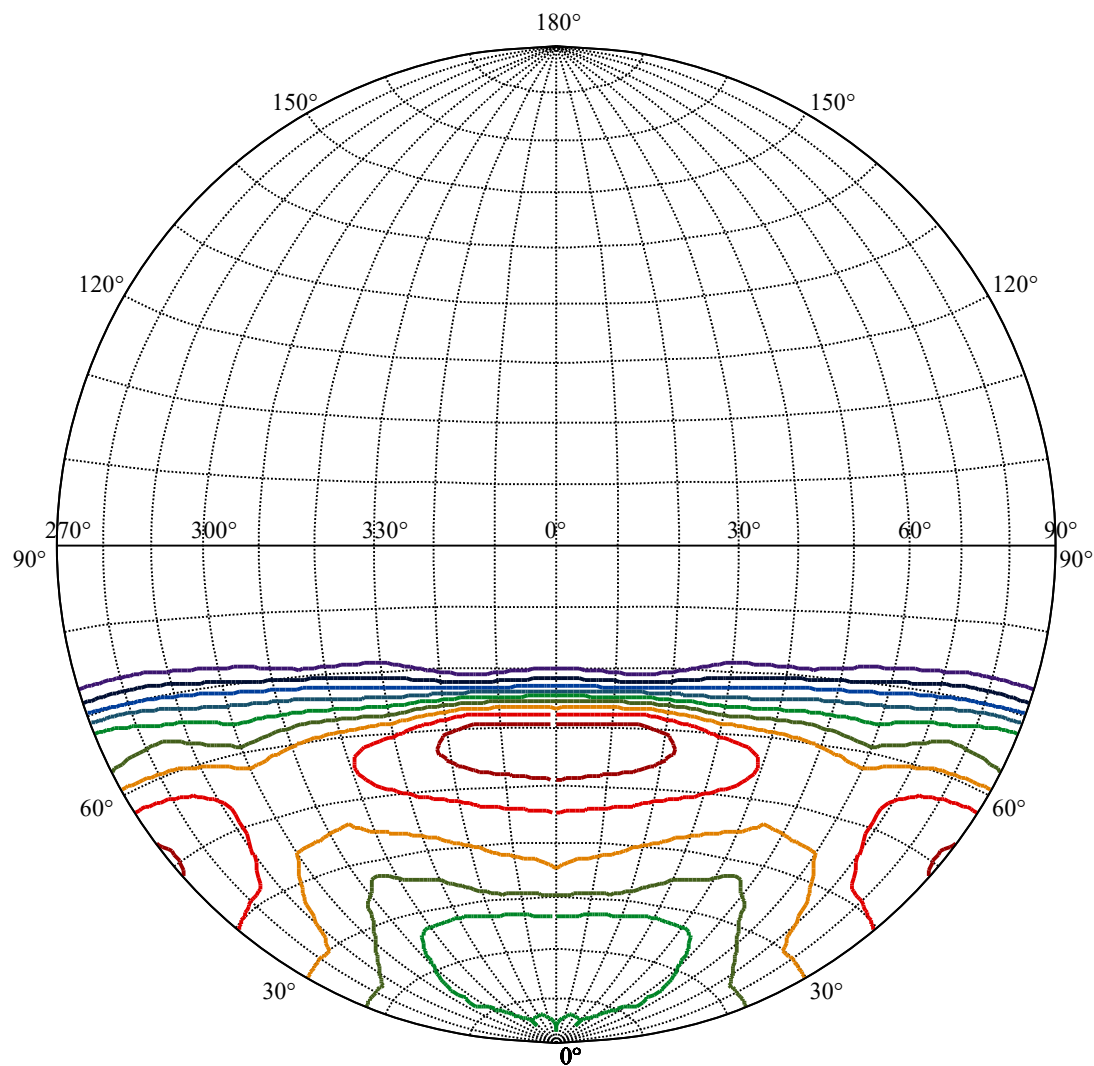
## ZONAL LUMEN SUMMARY

| Zone    | Lumens  | %Lamp   | %Fixt   |
|---------|---------|---------|---------|
| 0-30    | 736.03  | 15.89%  | 15.89%  |
| 0-40    | 1435.59 | 30.99%  | 30.99%  |
| 0-60    | 3680.39 | 79.44%  | 79.44%  |
| 0-90    | 4627.35 | 99.88%  | 99.88%  |
| 0-120   | 4632.39 | 99.99%  | 99.99%  |
| 0-180   | 4633.00 | 100.00% | 100.00% |
| 60-90   | 946.96  | 20.44%  | 20.44%  |
| 90-120  | 5.04    | 0.11%   | 0.11%   |
| 90-130  | 5.38    | 0.12%   | 0.12%   |
| 90-150  | 5.65    | 0.12%   | 0.12%   |
| 90-180  | 5.65    | 0.12%   | 0.12%   |
| 0-60.22 | 3706.40 | 80.00%  | 80.00%  |

## ZONAL LUMEN SUMMARY

|         |         |
|---------|---------|
| 0-10    | 81.34   |
| 10-20   | 232.54  |
| 20-30   | 422.15  |
| 30-40   | 699.56  |
| 40-50   | 996.47  |
| 50-60   | 1248.33 |
| 60-70   | 832.20  |
| 70-80   | 99.98   |
| 80-90   | 14.79   |
| 90-100  | 3.04    |
| 100-110 | 1.44    |
| 110-120 | 0.56    |
| 120-130 | 0.34    |
| 130-140 | 0.24    |
| 140-150 | 0.03    |
| 150-160 | 0.00    |
| 160-170 | 0.00    |
| 170-180 | 0.00    |



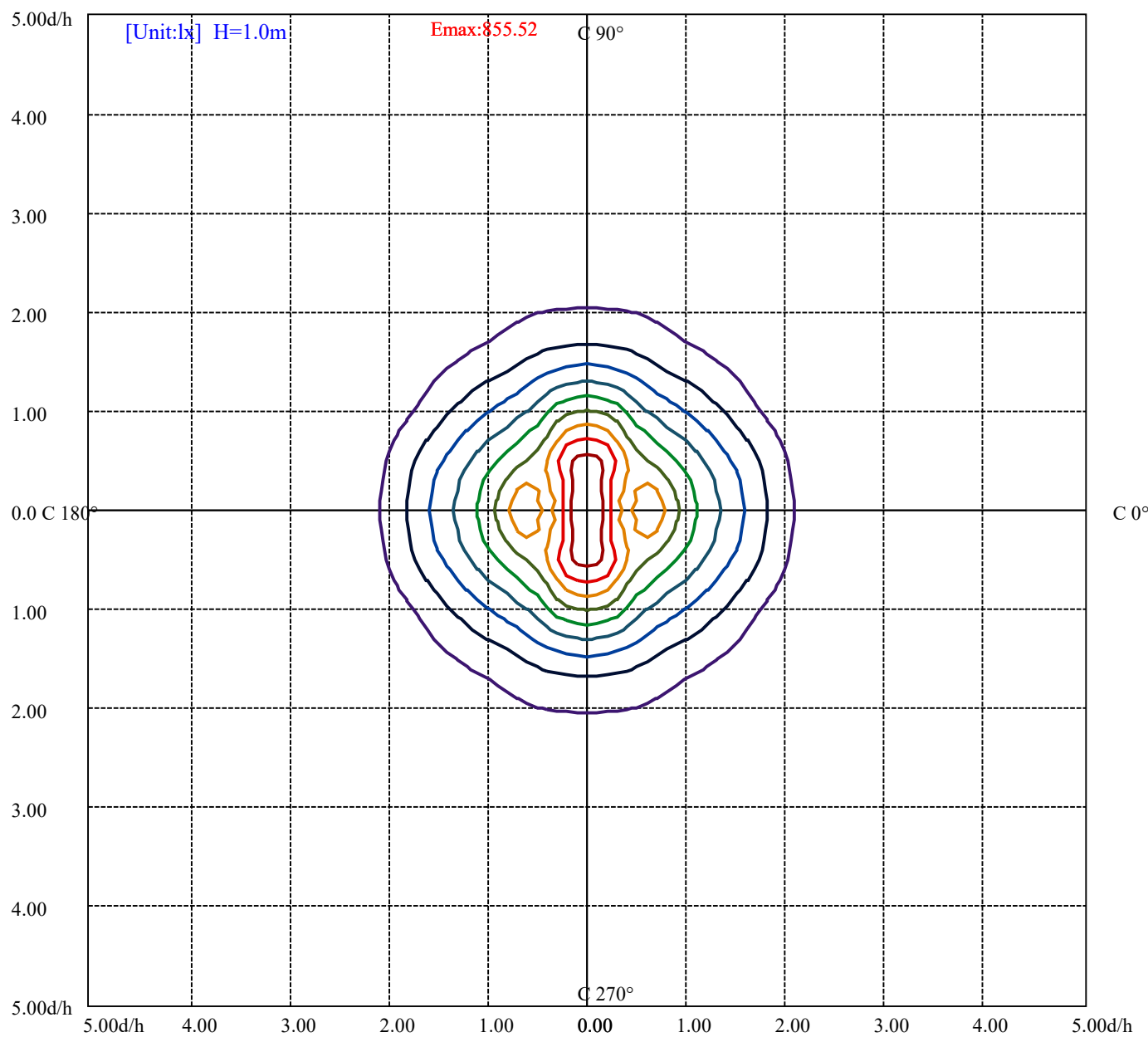


House

[Unit:cd]

Road

|                   |             |
|-------------------|-------------|
| Imax:1691.40      |             |
| (10%Imax) 169.14  | <div></div> |
| (20%Imax) 338.28  | <div></div> |
| (30%Imax) 507.42  | <div></div> |
| (40%Imax) 676.56  | <div></div> |
| (50%Imax) 845.7   | <div></div> |
| (60%Imax) 1014.84 | <div></div> |
| (70%Imax) 1183.98 | <div></div> |
| (80%Imax) 1353.12 | <div></div> |
| (90%Imax) 1522.26 | <div></div> |



|           |         |  |
|-----------|---------|--|
| (10%Emax) | 85.5519 |  |
| (20%Emax) | 171.104 |  |
| (30%Emax) | 256.656 |  |
| (40%Emax) | 342.208 |  |
| (50%Emax) | 427.759 |  |
| (60%Emax) | 513.311 |  |
| (70%Emax) | 598.863 |  |
| (80%Emax) | 684.415 |  |
| (90%Emax) | 769.967 |  |

## Intensity data(cd)

Appendix Page: 11 Total:21

| C/ $\gamma$ (°) | 0.0    | 1.0    | 2.0    | 3.0    | 4.0    | 5.0    | 6.0    | 7.0    | 8.0    |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0             | 855.52 | 855.52 | 850.48 | 843.60 | 844.36 | 843.60 | 834.05 | 822.20 | 815.71 |
| 15.0            | 855.52 | 855.52 | 857.54 | 860.03 | 860.03 | 858.88 | 851.62 | 844.36 | 836.15 |
| 30.0            | 855.52 | 855.52 | 852.96 | 851.43 | 847.61 | 844.94 | 845.51 | 834.05 | 833.86 |
| 45.0            | 855.52 | 855.52 | 865.19 | 864.99 | 862.89 | 863.66 | 865.38 | 860.60 | 849.14 |
| 60.0            | 855.52 | 855.52 | 851.62 | 851.43 | 852.58 | 854.11 | 854.87 | 852.96 | 856.78 |
| 75.0            | 855.52 | 855.52 | 869.77 | 869.96 | 870.73 | 871.11 | 872.64 | 875.50 | 877.79 |
| 90.0            | 855.52 | 855.52 | 852.39 | 853.91 | 856.59 | 863.08 | 866.90 | 869.58 | 873.40 |
| 105.0           | 855.52 | 855.52 | 869.77 | 869.96 | 870.73 | 871.11 | 872.64 | 875.50 | 877.79 |
| 120.0           | 855.52 | 855.52 | 851.62 | 851.43 | 852.58 | 854.11 | 854.87 | 852.96 | 856.78 |
| 135.0           | 855.52 | 855.52 | 865.19 | 864.99 | 862.89 | 863.66 | 865.38 | 860.60 | 849.14 |
| 150.0           | 855.52 | 855.52 | 852.96 | 851.43 | 847.61 | 844.94 | 845.51 | 834.05 | 833.86 |
| 165.0           | 855.52 | 855.52 | 857.54 | 860.03 | 860.03 | 858.88 | 851.62 | 844.36 | 836.15 |
| 180.0           | 855.52 | 855.52 | 850.48 | 843.60 | 844.36 | 843.60 | 834.05 | 822.20 | 815.71 |
| 195.0           | 855.52 | 855.52 | 857.54 | 860.03 | 860.03 | 858.88 | 851.62 | 844.36 | 836.15 |
| 210.0           | 855.52 | 855.52 | 852.96 | 851.43 | 847.61 | 844.94 | 845.51 | 834.05 | 833.86 |
| 225.0           | 855.52 | 855.52 | 865.19 | 864.99 | 862.89 | 863.66 | 865.38 | 860.60 | 849.14 |
| 240.0           | 855.52 | 855.52 | 851.62 | 851.43 | 852.58 | 854.11 | 854.87 | 852.96 | 856.78 |
| 255.0           | 855.52 | 855.52 | 869.77 | 869.96 | 870.73 | 871.11 | 872.64 | 875.50 | 877.79 |
| 270.0           | 855.52 | 855.52 | 852.39 | 853.91 | 856.59 | 863.08 | 866.90 | 869.58 | 873.40 |
| 285.0           | 855.52 | 855.52 | 869.77 | 869.96 | 870.73 | 871.11 | 872.64 | 875.50 | 877.79 |
| 300.0           | 855.52 | 855.52 | 851.62 | 851.43 | 852.58 | 854.11 | 854.87 | 852.96 | 856.78 |
| 315.0           | 855.52 | 855.52 | 865.19 | 864.99 | 862.89 | 863.66 | 865.38 | 860.60 | 849.14 |
| 330.0           | 855.52 | 855.52 | 852.96 | 851.43 | 847.61 | 844.94 | 845.51 | 834.05 | 833.86 |
| 345.0           | 855.52 | 855.52 | 857.54 | 860.03 | 860.03 | 858.88 | 851.62 | 844.36 | 836.15 |
| 360.0           | 855.52 | 855.52 | 850.48 | 843.60 | 844.36 | 843.60 | 834.05 | 822.20 | 815.71 |

| C/ $\gamma$ (°) | 9.0    | 10.0   | 11.0   | 12.0   | 13.0   | 14.0   | 15.0   | 16.0   | 17.0   |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0             | 806.16 | 786.67 | 780.94 | 761.45 | 739.68 | 743.12 | 706.06 | 709.49 | 697.65 |
| 15.0            | 829.65 | 810.17 | 796.03 | 782.28 | 757.25 | 728.98 | 720.77 | 704.34 | 693.26 |
| 30.0            | 827.93 | 815.33 | 803.86 | 798.90 | 789.54 | 780.75 | 771.96 | 752.48 | 741.78 |
| 45.0            | 847.80 | 843.03 | 841.69 | 827.74 | 827.17 | 820.87 | 813.42 | 801.76 | 799.47 |
| 60.0            | 858.88 | 857.93 | 856.78 | 855.83 | 855.44 | 862.70 | 864.42 | 866.52 | 872.64 |
| 75.0            | 881.04 | 884.48 | 886.96 | 892.89 | 899.19 | 903.20 | 916.96 | 927.65 | 939.12 |
| 90.0            | 876.46 | 880.66 | 884.86 | 889.83 | 895.94 | 902.82 | 916.19 | 925.36 | 938.35 |
| 105.0           | 881.04 | 884.48 | 886.96 | 892.89 | 899.19 | 903.20 | 916.96 | 927.65 | 939.12 |
| 120.0           | 858.88 | 857.93 | 856.78 | 855.83 | 855.44 | 862.70 | 864.42 | 866.52 | 872.64 |
| 135.0           | 847.80 | 843.03 | 841.69 | 827.74 | 827.17 | 820.87 | 813.42 | 801.76 | 799.47 |
| 150.0           | 827.93 | 815.33 | 803.86 | 798.90 | 789.54 | 780.75 | 771.96 | 752.48 | 741.78 |
| 165.0           | 829.65 | 810.17 | 796.03 | 782.28 | 757.25 | 728.98 | 720.77 | 704.34 | 693.26 |
| 180.0           | 806.16 | 786.67 | 780.94 | 761.45 | 739.68 | 743.12 | 706.06 | 709.49 | 697.65 |
| 195.0           | 829.65 | 810.17 | 796.03 | 782.28 | 757.25 | 728.98 | 720.77 | 704.34 | 693.26 |
| 210.0           | 827.93 | 815.33 | 803.86 | 798.90 | 789.54 | 780.75 | 771.96 | 752.48 | 741.78 |
| 225.0           | 847.80 | 843.03 | 841.69 | 827.74 | 827.17 | 820.87 | 813.42 | 801.76 | 799.47 |
| 240.0           | 858.88 | 857.93 | 856.78 | 855.83 | 855.44 | 862.70 | 864.42 | 866.52 | 872.64 |
| 255.0           | 881.04 | 884.48 | 886.96 | 892.89 | 899.19 | 903.20 | 916.96 | 927.65 | 939.12 |
| 270.0           | 876.46 | 880.66 | 884.86 | 889.83 | 895.94 | 902.82 | 916.19 | 925.36 | 938.35 |
| 285.0           | 881.04 | 884.48 | 886.96 | 892.89 | 899.19 | 903.20 | 916.96 | 927.65 | 939.12 |
| 300.0           | 858.88 | 857.93 | 856.78 | 855.83 | 855.44 | 862.70 | 864.42 | 866.52 | 872.64 |
| 315.0           | 847.80 | 843.03 | 841.69 | 827.74 | 827.17 | 820.87 | 813.42 | 801.76 | 799.47 |
| 330.0           | 827.93 | 815.33 | 803.86 | 798.90 | 789.54 | 780.75 | 771.96 | 752.48 | 741.78 |
| 345.0           | 829.65 | 810.17 | 796.03 | 782.28 | 757.25 | 728.98 | 720.77 | 704.34 | 693.26 |
| 360.0           | 806.16 | 786.67 | 780.94 | 761.45 | 739.68 | 743.12 | 706.06 | 709.49 | 697.65 |

| C/γ(°) | 18.0    | 19.0    | 20.0    | 21.0    | 22.0    | 23.0    | 24.0    | 25.0    | 26.0    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0    | 715.22  | 703.38  | 719.43  | 718.28  | 737.00  | 734.33  | 757.64  | 793.93  | 832.52  |
| 15.0   | 687.52  | 685.23  | 696.31  | 713.70  | 714.08  | 729.93  | 762.22  | 795.46  | 801.95  |
| 30.0   | 733.95  | 731.46  | 728.79  | 733.56  | 736.43  | 750.18  | 766.61  | 775.97  | 792.59  |
| 45.0   | 802.91  | 805.58  | 806.92  | 810.36  | 815.71  | 813.22  | 820.87  | 835.96  | 846.66  |
| 60.0   | 880.28  | 887.54  | 898.62  | 912.18  | 934.34  | 950.96  | 967.00  | 978.47  | 988.02  |
| 75.0   | 951.15  | 963.57  | 978.09  | 995.85  | 1011.33 | 1028.52 | 1049.91 | 1068.06 | 1094.23 |
| 90.0   | 949.81  | 962.80  | 977.32  | 992.22  | 1007.89 | 1025.84 | 1044.18 | 1074.75 | 1095.00 |
| 105.0  | 951.15  | 963.57  | 978.09  | 995.85  | 1011.33 | 1028.52 | 1049.91 | 1068.06 | 1094.23 |
| 120.0  | 880.28  | 887.54  | 898.62  | 912.18  | 934.34  | 950.96  | 967.00  | 978.47  | 988.02  |
| 135.0  | 802.91  | 805.58  | 806.92  | 810.36  | 815.71  | 813.22  | 820.87  | 835.96  | 846.66  |
| 150.0  | 733.95  | 731.46  | 728.79  | 733.56  | 736.43  | 750.18  | 766.61  | 775.97  | 792.59  |
| 165.0  | 687.52  | 685.23  | 696.31  | 713.70  | 714.08  | 729.93  | 762.22  | 795.46  | 801.95  |
| 180.0  | 715.22  | 703.38  | 719.43  | 718.28  | 737.00  | 734.33  | 757.64  | 793.93  | 832.52  |
| 195.0  | 687.52  | 685.23  | 696.31  | 713.70  | 714.08  | 729.93  | 762.22  | 795.46  | 801.95  |
| 210.0  | 733.95  | 731.46  | 728.79  | 733.56  | 736.43  | 750.18  | 766.61  | 775.97  | 792.59  |
| 225.0  | 802.91  | 805.58  | 806.92  | 810.36  | 815.71  | 813.22  | 820.87  | 835.96  | 846.66  |
| 240.0  | 880.28  | 887.54  | 898.62  | 912.18  | 934.34  | 950.96  | 967.00  | 978.47  | 988.02  |
| 255.0  | 951.15  | 963.57  | 978.09  | 995.85  | 1011.33 | 1028.52 | 1049.91 | 1068.06 | 1094.23 |
| 270.0  | 949.81  | 962.80  | 977.32  | 992.22  | 1007.89 | 1025.84 | 1044.18 | 1074.75 | 1095.00 |
| 285.0  | 951.15  | 963.57  | 978.09  | 995.85  | 1011.33 | 1028.52 | 1049.91 | 1068.06 | 1094.23 |
| 300.0  | 880.28  | 887.54  | 898.62  | 912.18  | 934.34  | 950.96  | 967.00  | 978.47  | 988.02  |
| 315.0  | 802.91  | 805.58  | 806.92  | 810.36  | 815.71  | 813.22  | 820.87  | 835.96  | 846.66  |
| 330.0  | 733.95  | 731.46  | 728.79  | 733.56  | 736.43  | 750.18  | 766.61  | 775.97  | 792.59  |
| 345.0  | 687.52  | 685.23  | 696.31  | 713.70  | 714.08  | 729.93  | 762.22  | 795.46  | 801.95  |
| 360.0  | 715.22  | 703.38  | 719.43  | 718.28  | 737.00  | 734.33  | 757.64  | 793.93  | 832.52  |
|        |         |         |         |         |         |         |         |         |         |
| C/γ(°) | 27.0    | 28.0    | 29.0    | 30.0    | 31.0    | 32.0    | 33.0    | 34.0    | 35.0    |
| 0.0    | 866.52  | 907.40  | 954.40  | 1000.63 | 1030.81 | 1051.06 | 1073.60 | 1107.99 | 1180.96 |
| 15.0   | 843.60  | 882.19  | 934.72  | 973.31  | 1013.62 | 1056.41 | 1084.30 | 1116.20 | 1131.29 |
| 30.0   | 821.06  | 854.11  | 876.27  | 897.09  | 933.19  | 947.33  | 966.82  | 996.81  | 1022.98 |
| 45.0   | 855.63  | 890.97  | 903.96  | 920.58  | 936.82  | 944.46  | 949.05  | 960.89  | 981.33  |
| 60.0   | 1001.96 | 1022.98 | 1036.35 | 1052.01 | 1061.37 | 1072.26 | 1076.47 | 1088.50 | 1096.72 |
| 75.0   | 1113.72 | 1135.50 | 1162.43 | 1182.30 | 1199.68 | 1217.07 | 1225.85 | 1235.79 | 1246.30 |
| 90.0   | 1125.94 | 1145.05 | 1164.15 | 1185.55 | 1204.65 | 1219.55 | 1235.60 | 1251.64 | 1263.87 |
| 105.0  | 1113.72 | 1135.50 | 1162.43 | 1182.30 | 1199.68 | 1217.07 | 1225.85 | 1235.79 | 1246.30 |
| 120.0  | 1001.96 | 1022.98 | 1036.35 | 1052.01 | 1061.37 | 1072.26 | 1076.47 | 1088.50 | 1096.72 |
| 135.0  | 855.63  | 890.97  | 903.96  | 920.58  | 936.82  | 944.46  | 949.05  | 960.89  | 981.33  |
| 150.0  | 821.06  | 854.11  | 876.27  | 897.09  | 933.19  | 947.33  | 966.82  | 996.81  | 1022.98 |
| 165.0  | 843.60  | 882.19  | 934.72  | 973.31  | 1013.62 | 1056.41 | 1084.30 | 1116.20 | 1131.29 |
| 180.0  | 866.52  | 907.40  | 954.40  | 1000.63 | 1030.81 | 1051.06 | 1073.60 | 1107.99 | 1180.96 |
| 195.0  | 843.60  | 882.19  | 934.72  | 973.31  | 1013.62 | 1056.41 | 1084.30 | 1116.20 | 1131.29 |
| 210.0  | 821.06  | 854.11  | 876.27  | 897.09  | 933.19  | 947.33  | 966.82  | 996.81  | 1022.98 |
| 225.0  | 855.63  | 890.97  | 903.96  | 920.58  | 936.82  | 944.46  | 949.05  | 960.89  | 981.33  |
| 240.0  | 1001.96 | 1022.98 | 1036.35 | 1052.01 | 1061.37 | 1072.26 | 1076.47 | 1088.50 | 1096.72 |
| 255.0  | 1113.72 | 1135.50 | 1162.43 | 1182.30 | 1199.68 | 1217.07 | 1225.85 | 1235.79 | 1246.30 |
| 270.0  | 1125.94 | 1145.05 | 1164.15 | 1185.55 | 1204.65 | 1219.55 | 1235.60 | 1251.64 | 1263.87 |
| 285.0  | 1113.72 | 1135.50 | 1162.43 | 1182.30 | 1199.68 | 1217.07 | 1225.85 | 1235.79 | 1246.30 |
| 300.0  | 1001.96 | 1022.98 | 1036.35 | 1052.01 | 1061.37 | 1072.26 | 1076.47 | 1088.50 | 1096.72 |
| 315.0  | 855.63  | 890.97  | 903.96  | 920.58  | 936.82  | 944.46  | 949.05  | 960.89  | 981.33  |
| 330.0  | 821.06  | 854.11  | 876.27  | 897.09  | 933.19  | 947.33  | 966.82  | 996.81  | 1022.98 |
| 345.0  | 843.60  | 882.19  | 934.72  | 973.31  | 1013.62 | 1056.41 | 1084.30 | 1116.20 | 1131.29 |
| 360.0  | 866.52  | 907.40  | 954.40  | 1000.63 | 1030.81 | 1051.06 | 1073.60 | 1107.99 | 1180.96 |

## Intensity data(cd)

Appendix Page: 13 Total:21

| C/γ(°) | 36.0    | 37.0    | 38.0    | 39.0    | 40.0    | 41.0    | 42.0    | 43.0    | 44.0    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0    | 1187.84 | 1192.81 | 1217.26 | 1231.39 | 1252.79 | 1264.25 | 1277.62 | 1297.11 | 1320.03 |
| 15.0   | 1143.14 | 1160.52 | 1173.70 | 1187.46 | 1202.74 | 1223.37 | 1240.37 | 1261.39 | 1282.59 |
| 30.0   | 1039.98 | 1063.29 | 1088.50 | 1109.32 | 1133.39 | 1153.45 | 1170.07 | 1191.47 | 1210.38 |
| 45.0   | 997.00  | 1002.73 | 1029.09 | 1037.11 | 1058.70 | 1069.97 | 1096.52 | 1127.09 | 1153.45 |
| 60.0   | 1094.23 | 1095.76 | 1099.01 | 1116.01 | 1129.00 | 1137.21 | 1153.83 | 1168.93 | 1180.96 |
| 75.0   | 1261.77 | 1274.57 | 1292.14 | 1307.43 | 1323.47 | 1339.71 | 1361.49 | 1377.53 | 1396.26 |
| 90.0   | 1278.77 | 1293.67 | 1321.56 | 1341.05 | 1361.30 | 1381.93 | 1414.02 | 1430.07 | 1441.91 |
| 105.0  | 1261.77 | 1274.57 | 1292.14 | 1307.43 | 1323.47 | 1339.71 | 1361.49 | 1377.53 | 1396.26 |
| 120.0  | 1094.23 | 1095.76 | 1099.01 | 1116.01 | 1129.00 | 1137.21 | 1153.83 | 1168.93 | 1180.96 |
| 135.0  | 997.00  | 1002.73 | 1029.09 | 1037.11 | 1058.70 | 1069.97 | 1096.52 | 1127.09 | 1153.45 |
| 150.0  | 1039.98 | 1063.29 | 1088.50 | 1109.32 | 1133.39 | 1153.45 | 1170.07 | 1191.47 | 1210.38 |
| 165.0  | 1143.14 | 1160.52 | 1173.70 | 1187.46 | 1202.74 | 1223.37 | 1240.37 | 1261.39 | 1282.59 |
| 180.0  | 1187.84 | 1192.81 | 1217.26 | 1231.39 | 1252.79 | 1264.25 | 1277.62 | 1297.11 | 1320.03 |
| 195.0  | 1143.14 | 1160.52 | 1173.70 | 1187.46 | 1202.74 | 1223.37 | 1240.37 | 1261.39 | 1282.59 |
| 210.0  | 1039.98 | 1063.29 | 1088.50 | 1109.32 | 1133.39 | 1153.45 | 1170.07 | 1191.47 | 1210.38 |
| 225.0  | 997.00  | 1002.73 | 1029.09 | 1037.11 | 1058.70 | 1069.97 | 1096.52 | 1127.09 | 1153.45 |
| 240.0  | 1094.23 | 1095.76 | 1099.01 | 1116.01 | 1129.00 | 1137.21 | 1153.83 | 1168.93 | 1180.96 |
| 255.0  | 1261.77 | 1274.57 | 1292.14 | 1307.43 | 1323.47 | 1339.71 | 1361.49 | 1377.53 | 1396.26 |
| 270.0  | 1278.77 | 1293.67 | 1321.56 | 1341.05 | 1361.30 | 1381.93 | 1414.02 | 1430.07 | 1441.91 |
| 285.0  | 1261.77 | 1274.57 | 1292.14 | 1307.43 | 1323.47 | 1339.71 | 1361.49 | 1377.53 | 1396.26 |
| 300.0  | 1094.23 | 1095.76 | 1099.01 | 1116.01 | 1129.00 | 1137.21 | 1153.83 | 1168.93 | 1180.96 |
| 315.0  | 997.00  | 1002.73 | 1029.09 | 1037.11 | 1058.70 | 1069.97 | 1096.52 | 1127.09 | 1153.45 |
| 330.0  | 1039.98 | 1063.29 | 1088.50 | 1109.32 | 1133.39 | 1153.45 | 1170.07 | 1191.47 | 1210.38 |
| 345.0  | 1143.14 | 1160.52 | 1173.70 | 1187.46 | 1202.74 | 1223.37 | 1240.37 | 1261.39 | 1282.59 |
| 360.0  | 1187.84 | 1192.81 | 1217.26 | 1231.39 | 1252.79 | 1264.25 | 1277.62 | 1297.11 | 1320.03 |
| C/γ(°) | 45.0    | 46.0    | 47.0    | 48.0    | 49.0    | 50.0    | 51.0    | 52.0    | 53.0    |
| 0.0    | 1338.37 | 1367.41 | 1389.57 | 1428.92 | 1456.81 | 1486.99 | 1519.09 | 1551.18 | 1584.04 |
| 15.0   | 1305.71 | 1333.22 | 1360.15 | 1380.78 | 1411.92 | 1449.93 | 1476.11 | 1501.32 | 1525.58 |
| 30.0   | 1233.88 | 1259.28 | 1281.25 | 1302.46 | 1335.70 | 1354.04 | 1380.59 | 1402.56 | 1420.52 |
| 45.0   | 1170.45 | 1180.39 | 1187.07 | 1209.23 | 1222.42 | 1243.24 | 1264.44 | 1278.96 | 1288.70 |
| 60.0   | 1196.24 | 1202.74 | 1209.04 | 1220.70 | 1233.31 | 1240.75 | 1243.81 | 1244.19 | 1251.26 |
| 75.0   | 1411.15 | 1425.48 | 1434.46 | 1440.96 | 1449.17 | 1450.51 | 1448.02 | 1441.53 | 1435.22 |
| 90.0   | 1460.63 | 1482.79 | 1497.31 | 1518.71 | 1527.88 | 1533.99 | 1535.13 | 1532.84 | 1524.44 |
| 105.0  | 1411.15 | 1425.48 | 1434.46 | 1440.96 | 1449.17 | 1450.51 | 1448.02 | 1441.53 | 1435.22 |
| 120.0  | 1196.24 | 1202.74 | 1209.04 | 1220.70 | 1233.31 | 1240.75 | 1243.81 | 1244.19 | 1251.26 |
| 135.0  | 1170.45 | 1180.39 | 1187.07 | 1209.23 | 1222.42 | 1243.24 | 1264.44 | 1278.96 | 1288.70 |
| 150.0  | 1233.88 | 1259.28 | 1281.25 | 1302.46 | 1335.70 | 1354.04 | 1380.59 | 1402.56 | 1420.52 |
| 165.0  | 1305.71 | 1333.22 | 1360.15 | 1380.78 | 1411.92 | 1449.93 | 1476.11 | 1501.32 | 1525.58 |
| 180.0  | 1338.37 | 1367.41 | 1389.57 | 1428.92 | 1456.81 | 1486.99 | 1519.09 | 1551.18 | 1584.04 |
| 195.0  | 1305.71 | 1333.22 | 1360.15 | 1380.78 | 1411.92 | 1449.93 | 1476.11 | 1501.32 | 1525.58 |
| 210.0  | 1233.88 | 1259.28 | 1281.25 | 1302.46 | 1335.70 | 1354.04 | 1380.59 | 1402.56 | 1420.52 |
| 225.0  | 1170.45 | 1180.39 | 1187.07 | 1209.23 | 1222.42 | 1243.24 | 1264.44 | 1278.96 | 1288.70 |
| 240.0  | 1196.24 | 1202.74 | 1209.04 | 1220.70 | 1233.31 | 1240.75 | 1243.81 | 1244.19 | 1251.26 |
| 255.0  | 1411.15 | 1425.48 | 1434.46 | 1440.96 | 1449.17 | 1450.51 | 1448.02 | 1441.53 | 1435.22 |
| 270.0  | 1460.63 | 1482.79 | 1497.31 | 1518.71 | 1527.88 | 1533.99 | 1535.13 | 1532.84 | 1524.44 |
| 285.0  | 1411.15 | 1425.48 | 1434.46 | 1440.96 | 1449.17 | 1450.51 | 1448.02 | 1441.53 | 1435.22 |
| 300.0  | 1196.24 | 1202.74 | 1209.04 | 1220.70 | 1233.31 | 1240.75 | 1243.81 | 1244.19 | 1251.26 |
| 315.0  | 1170.45 | 1180.39 | 1187.07 | 1209.23 | 1222.42 | 1243.24 | 1264.44 | 1278.96 | 1288.70 |
| 330.0  | 1233.88 | 1259.28 | 1281.25 | 1302.46 | 1335.70 | 1354.04 | 1380.59 | 1402.56 | 1420.52 |
| 345.0  | 1305.71 | 1333.22 | 1360.15 | 1380.78 | 1411.92 | 1449.93 | 1476.11 | 1501.32 | 1525.58 |
| 360.0  | 1338.37 | 1367.41 | 1389.57 | 1428.92 | 1456.81 | 1486.99 | 1519.09 | 1551.18 | 1584.04 |

## Intensity data(cd)

Appendix Page: 14 Total:21

| C/γ(°) | 54.0    | 55.0    | 56.0    | 57.0    | 58.0    | 59.0    | 60.0    | 61.0    | 62.0    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0.0    | 1614.60 | 1642.50 | 1675.74 | 1691.40 | 1676.50 | 1642.11 | 1580.60 | 1490.05 | 1371.23 |
| 15.0   | 1551.76 | 1574.49 | 1593.02 | 1609.64 | 1613.84 | 1615.18 | 1573.34 | 1516.60 | 1429.30 |
| 30.0   | 1434.08 | 1438.66 | 1439.81 | 1432.74 | 1411.54 | 1377.92 | 1325.00 | 1256.23 | 1138.17 |
| 45.0   | 1295.96 | 1297.68 | 1294.05 | 1287.75 | 1279.34 | 1253.74 | 1216.88 | 1149.25 | 1087.36 |
| 60.0   | 1251.07 | 1241.71 | 1225.28 | 1202.93 | 1172.75 | 1129.00 | 1085.64 | 1014.57 | 962.42  |
| 75.0   | 1420.90 | 1389.76 | 1362.06 | 1332.07 | 1297.30 | 1256.61 | 1193.38 | 1150.40 | 1113.91 |
| 90.0   | 1509.16 | 1485.85 | 1434.65 | 1392.62 | 1323.47 | 1278.39 | 1225.66 | 1158.04 | 1079.71 |
| 105.0  | 1420.90 | 1389.76 | 1362.06 | 1332.07 | 1297.30 | 1256.61 | 1193.38 | 1150.40 | 1113.91 |
| 120.0  | 1251.07 | 1241.71 | 1225.28 | 1202.93 | 1172.75 | 1129.00 | 1085.64 | 1014.57 | 962.42  |
| 135.0  | 1295.96 | 1297.68 | 1294.05 | 1287.75 | 1279.34 | 1253.74 | 1216.88 | 1149.25 | 1087.36 |
| 150.0  | 1434.08 | 1438.66 | 1439.81 | 1432.74 | 1411.54 | 1377.92 | 1325.00 | 1256.23 | 1138.17 |
| 165.0  | 1551.76 | 1574.49 | 1593.02 | 1609.64 | 1613.84 | 1615.18 | 1573.34 | 1516.60 | 1429.30 |
| 180.0  | 1614.60 | 1642.50 | 1675.74 | 1691.40 | 1676.50 | 1642.11 | 1580.60 | 1490.05 | 1371.23 |
| 195.0  | 1551.76 | 1574.49 | 1593.02 | 1609.64 | 1613.84 | 1615.18 | 1573.34 | 1516.60 | 1429.30 |
| 210.0  | 1434.08 | 1438.66 | 1439.81 | 1432.74 | 1411.54 | 1377.92 | 1325.00 | 1256.23 | 1138.17 |
| 225.0  | 1295.96 | 1297.68 | 1294.05 | 1287.75 | 1279.34 | 1253.74 | 1216.88 | 1149.25 | 1087.36 |
| 240.0  | 1251.07 | 1241.71 | 1225.28 | 1202.93 | 1172.75 | 1129.00 | 1085.64 | 1014.57 | 962.42  |
| 255.0  | 1420.90 | 1389.76 | 1362.06 | 1332.07 | 1297.30 | 1256.61 | 1193.38 | 1150.40 | 1113.91 |
| 270.0  | 1509.16 | 1485.85 | 1434.65 | 1392.62 | 1323.47 | 1278.39 | 1225.66 | 1158.04 | 1079.71 |
| 285.0  | 1420.90 | 1389.76 | 1362.06 | 1332.07 | 1297.30 | 1256.61 | 1193.38 | 1150.40 | 1113.91 |
| 300.0  | 1251.07 | 1241.71 | 1225.28 | 1202.93 | 1172.75 | 1129.00 | 1085.64 | 1014.57 | 962.42  |
| 315.0  | 1295.96 | 1297.68 | 1294.05 | 1287.75 | 1279.34 | 1253.74 | 1216.88 | 1149.25 | 1087.36 |
| 330.0  | 1434.08 | 1438.66 | 1439.81 | 1432.74 | 1411.54 | 1377.92 | 1325.00 | 1256.23 | 1138.17 |
| 345.0  | 1551.76 | 1574.49 | 1593.02 | 1609.64 | 1613.84 | 1615.18 | 1573.34 | 1516.60 | 1429.30 |
| 360.0  | 1614.60 | 1642.50 | 1675.74 | 1691.40 | 1676.50 | 1642.11 | 1580.60 | 1490.05 | 1371.23 |

| C/γ(°) | 63.0    | 64.0    | 65.0   | 66.0   | 67.0   | 68.0   | 69.0   | 70.0   | 71.0   |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0.0    | 1232.16 | 1073.98 | 905.87 | 663.65 | 513.50 | 384.74 | 264.39 | 166.20 | 97.04  |
| 15.0   | 1263.49 | 1098.24 | 905.30 | 699.75 | 455.23 | 289.22 | 162.95 | 70.87  | 54.06  |
| 30.0   | 1010.37 | 897.66  | 757.44 | 652.38 | 554.18 | 462.68 | 345.39 | 272.60 | 190.46 |
| 45.0   | 1013.81 | 912.75  | 824.69 | 733.76 | 641.30 | 544.63 | 412.63 | 298.01 | 181.29 |
| 60.0   | 905.30  | 857.16  | 811.31 | 754.96 | 677.97 | 588.57 | 501.65 | 374.23 | 294.96 |
| 75.0   | 1067.68 | 1024.32 | 960.89 | 880.28 | 763.56 | 702.62 | 639.77 | 487.32 | 395.82 |
| 90.0   | 1015.15 | 981.91  | 981.91 | 989.55 | 977.70 | 814.56 | 689.24 | 544.44 | 403.46 |
| 105.0  | 1067.68 | 1024.32 | 960.89 | 880.28 | 763.56 | 702.62 | 639.77 | 487.32 | 395.82 |
| 120.0  | 905.30  | 857.16  | 811.31 | 754.96 | 677.97 | 588.57 | 501.65 | 374.23 | 294.96 |
| 135.0  | 1013.81 | 912.75  | 824.69 | 733.76 | 641.30 | 544.63 | 412.63 | 298.01 | 181.29 |
| 150.0  | 1010.37 | 897.66  | 757.44 | 652.38 | 554.18 | 462.68 | 345.39 | 272.60 | 190.46 |
| 165.0  | 1263.49 | 1098.24 | 905.30 | 699.75 | 455.23 | 289.22 | 162.95 | 70.87  | 54.06  |
| 180.0  | 1232.16 | 1073.98 | 905.87 | 663.65 | 513.50 | 384.74 | 264.39 | 166.20 | 97.04  |
| 195.0  | 1263.49 | 1098.24 | 905.30 | 699.75 | 455.23 | 289.22 | 162.95 | 70.87  | 54.06  |
| 210.0  | 1010.37 | 897.66  | 757.44 | 652.38 | 554.18 | 462.68 | 345.39 | 272.60 | 190.46 |
| 225.0  | 1013.81 | 912.75  | 824.69 | 733.76 | 641.30 | 544.63 | 412.63 | 298.01 | 181.29 |
| 240.0  | 905.30  | 857.16  | 811.31 | 754.96 | 677.97 | 588.57 | 501.65 | 374.23 | 294.96 |
| 255.0  | 1067.68 | 1024.32 | 960.89 | 880.28 | 763.56 | 702.62 | 639.77 | 487.32 | 395.82 |
| 270.0  | 1015.15 | 981.91  | 981.91 | 989.55 | 977.70 | 814.56 | 689.24 | 544.44 | 403.46 |
| 285.0  | 1067.68 | 1024.32 | 960.89 | 880.28 | 763.56 | 702.62 | 639.77 | 487.32 | 395.82 |
| 300.0  | 905.30  | 857.16  | 811.31 | 754.96 | 677.97 | 588.57 | 501.65 | 374.23 | 294.96 |
| 315.0  | 1013.81 | 912.75  | 824.69 | 733.76 | 641.30 | 544.63 | 412.63 | 298.01 | 181.29 |
| 330.0  | 1010.37 | 897.66  | 757.44 | 652.38 | 554.18 | 462.68 | 345.39 | 272.60 | 190.46 |
| 345.0  | 1263.49 | 1098.24 | 905.30 | 699.75 | 455.23 | 289.22 | 162.95 | 70.87  | 54.06  |
| 360.0  | 1232.16 | 1073.98 | 905.87 | 663.65 | 513.50 | 384.74 | 264.39 | 166.20 | 97.04  |

## Intensity data(cd)

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| C/ $\gamma$ (°) | 72.0   | 73.0   | 74.0   | 75.0  | 76.0  | 77.0  | 78.0  | 79.0  | 80.0  |
|-----------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0.0             | 56.16  | 40.88  | 36.30  | 33.24 | 30.18 | 25.60 | 22.92 | 20.63 | 17.58 |
| 15.0            | 48.14  | 43.17  | 39.35  | 35.91 | 32.67 | 27.51 | 25.79 | 23.69 | 20.25 |
| 30.0            | 153.97 | 102.01 | 69.15  | 48.71 | 39.93 | 36.49 | 32.67 | 29.80 | 26.36 |
| 45.0            | 120.35 | 81.76  | 58.26  | 46.99 | 40.88 | 36.11 | 33.24 | 28.66 | 25.98 |
| 60.0            | 221.98 | 127.99 | 88.07  | 63.42 | 48.52 | 40.12 | 35.15 | 32.29 | 27.89 |
| 75.0            | 303.36 | 188.93 | 134.30 | 96.09 | 69.92 | 52.34 | 42.41 | 37.25 | 31.71 |
| 90.0            | 281.20 | 183.77 | 117.29 | 77.56 | 53.11 | 37.82 | 33.62 | 27.89 | 24.45 |
| 105.0           | 303.36 | 188.93 | 134.30 | 96.09 | 69.92 | 52.34 | 42.41 | 37.25 | 31.71 |
| 120.0           | 221.98 | 127.99 | 88.07  | 63.42 | 48.52 | 40.12 | 35.15 | 32.29 | 27.89 |
| 135.0           | 120.35 | 81.76  | 58.26  | 46.99 | 40.88 | 36.11 | 33.24 | 28.66 | 25.98 |
| 150.0           | 153.97 | 102.01 | 69.15  | 48.71 | 39.93 | 36.49 | 32.67 | 29.80 | 26.36 |
| 165.0           | 48.14  | 43.17  | 39.35  | 35.91 | 32.67 | 27.51 | 25.79 | 23.69 | 20.25 |
| 180.0           | 56.16  | 40.88  | 36.30  | 33.24 | 30.18 | 25.60 | 22.92 | 20.63 | 17.58 |
| 195.0           | 48.14  | 43.17  | 39.35  | 35.91 | 32.67 | 27.51 | 25.79 | 23.69 | 20.25 |
| 210.0           | 153.97 | 102.01 | 69.15  | 48.71 | 39.93 | 36.49 | 32.67 | 29.80 | 26.36 |
| 225.0           | 120.35 | 81.76  | 58.26  | 46.99 | 40.88 | 36.11 | 33.24 | 28.66 | 25.98 |
| 240.0           | 221.98 | 127.99 | 88.07  | 63.42 | 48.52 | 40.12 | 35.15 | 32.29 | 27.89 |
| 255.0           | 303.36 | 188.93 | 134.30 | 96.09 | 69.92 | 52.34 | 42.41 | 37.25 | 31.71 |
| 270.0           | 281.20 | 183.77 | 117.29 | 77.56 | 53.11 | 37.82 | 33.62 | 27.89 | 24.45 |
| 285.0           | 303.36 | 188.93 | 134.30 | 96.09 | 69.92 | 52.34 | 42.41 | 37.25 | 31.71 |
| 300.0           | 221.98 | 127.99 | 88.07  | 63.42 | 48.52 | 40.12 | 35.15 | 32.29 | 27.89 |
| 315.0           | 120.35 | 81.76  | 58.26  | 46.99 | 40.88 | 36.11 | 33.24 | 28.66 | 25.98 |
| 330.0           | 153.97 | 102.01 | 69.15  | 48.71 | 39.93 | 36.49 | 32.67 | 29.80 | 26.36 |
| 345.0           | 48.14  | 43.17  | 39.35  | 35.91 | 32.67 | 27.51 | 25.79 | 23.69 | 20.25 |
| 360.0           | 56.16  | 40.88  | 36.30  | 33.24 | 30.18 | 25.60 | 22.92 | 20.63 | 17.58 |
| C/ $\gamma$ (°) | 81.0   | 82.0   | 83.0   | 84.0  | 85.0  | 86.0  | 87.0  | 88.0  | 89.0  |
| 0.0             | 16.05  | 13.75  | 12.23  | 9.93  | 8.02  | 6.88  | 4.59  | 3.44  | 2.67  |
| 15.0            | 18.53  | 16.43  | 13.75  | 11.84 | 10.12 | 8.41  | 6.88  | 4.78  | 3.44  |
| 30.0            | 22.35  | 20.25  | 17.77  | 14.71 | 13.18 | 10.89 | 9.17  | 7.83  | 6.30  |
| 45.0            | 23.31  | 19.68  | 17.58  | 15.86 | 13.95 | 12.04 | 10.51 | 8.98  | 7.64  |
| 60.0            | 24.45  | 21.78  | 19.30  | 16.24 | 14.90 | 12.80 | 11.08 | 9.93  | 8.60  |
| 75.0            | 28.46  | 25.60  | 20.82  | 18.15 | 15.67 | 13.56 | 11.08 | 9.17  | 7.83  |
| 90.0            | 20.25  | 17.96  | 16.05  | 13.37 | 11.08 | 8.79  | 5.73  | 3.82  | 2.29  |
| 105.0           | 28.46  | 25.60  | 20.82  | 18.15 | 15.67 | 13.56 | 11.08 | 9.17  | 7.83  |
| 120.0           | 24.45  | 21.78  | 19.30  | 16.24 | 14.90 | 12.80 | 11.08 | 9.93  | 8.60  |
| 135.0           | 23.31  | 19.68  | 17.58  | 15.86 | 13.95 | 12.04 | 10.51 | 8.98  | 7.64  |
| 150.0           | 22.35  | 20.25  | 17.77  | 14.71 | 13.18 | 10.89 | 9.17  | 7.83  | 6.30  |
| 165.0           | 18.53  | 16.43  | 13.75  | 11.84 | 10.12 | 8.41  | 6.88  | 4.78  | 3.44  |
| 180.0           | 16.05  | 13.75  | 12.23  | 9.93  | 8.02  | 6.88  | 4.59  | 3.44  | 2.67  |
| 195.0           | 18.53  | 16.43  | 13.75  | 11.84 | 10.12 | 8.41  | 6.88  | 4.78  | 3.44  |
| 210.0           | 22.35  | 20.25  | 17.77  | 14.71 | 13.18 | 10.89 | 9.17  | 7.83  | 6.30  |
| 225.0           | 23.31  | 19.68  | 17.58  | 15.86 | 13.95 | 12.04 | 10.51 | 8.98  | 7.64  |
| 240.0           | 24.45  | 21.78  | 19.30  | 16.24 | 14.90 | 12.80 | 11.08 | 9.93  | 8.60  |
| 255.0           | 28.46  | 25.60  | 20.82  | 18.15 | 15.67 | 13.56 | 11.08 | 9.17  | 7.83  |
| 270.0           | 20.25  | 17.96  | 16.05  | 13.37 | 11.08 | 8.79  | 5.73  | 3.82  | 2.29  |
| 285.0           | 28.46  | 25.60  | 20.82  | 18.15 | 15.67 | 13.56 | 11.08 | 9.17  | 7.83  |
| 300.0           | 24.45  | 21.78  | 19.30  | 16.24 | 14.90 | 12.80 | 11.08 | 9.93  | 8.60  |
| 315.0           | 23.31  | 19.68  | 17.58  | 15.86 | 13.95 | 12.04 | 10.51 | 8.98  | 7.64  |
| 330.0           | 22.35  | 20.25  | 17.77  | 14.71 | 13.18 | 10.89 | 9.17  | 7.83  | 6.30  |
| 345.0           | 18.53  | 16.43  | 13.75  | 11.84 | 10.12 | 8.41  | 6.88  | 4.78  | 3.44  |
| 360.0           | 16.05  | 13.75  | 12.23  | 9.93  | 8.02  | 6.88  | 4.59  | 3.44  | 2.67  |

| C/γ(°) | 90.0 | 91.0  | 92.0  | 93.0  | 94.0  | 95.0  | 96.0  | 97.0  | 98.0  |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0    | 1.91 | 1.53  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 15.0   | 1.91 | 0.96  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 30.0   | 4.97 | 3.82  | 3.06  | 2.48  | 2.10  | 1.72  | 1.53  | 1.53  | 1.15  |
| 45.0   | 6.11 | 5.35  | 4.20  | 4.01  | 3.82  | 3.63  | 3.44  | 3.25  | 3.06  |
| 60.0   | 7.45 | 6.88  | 6.50  | 5.92  | 5.35  | 5.16  | 5.16  | 4.59  | 4.59  |
| 75.0   | 6.30 | 5.73  | 4.78  | 4.20  | 4.20  | 4.20  | 4.20  | 4.01  | 3.82  |
| 90.0   | 1.53 | 0.76  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 6.30 | 5.73  | 4.78  | 4.20  | 4.20  | 4.20  | 4.20  | 4.01  | 3.82  |
| 120.0  | 7.45 | 6.88  | 6.50  | 5.92  | 5.35  | 5.16  | 5.16  | 4.59  | 4.59  |
| 135.0  | 6.11 | 5.35  | 4.20  | 4.01  | 3.82  | 3.63  | 3.44  | 3.25  | 3.06  |
| 150.0  | 4.97 | 3.82  | 3.06  | 2.48  | 2.10  | 1.72  | 1.53  | 1.53  | 1.15  |
| 165.0  | 1.91 | 0.96  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 180.0  | 1.91 | 1.53  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 195.0  | 1.91 | 0.96  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 210.0  | 4.97 | 3.82  | 3.06  | 2.48  | 2.10  | 1.72  | 1.53  | 1.53  | 1.15  |
| 225.0  | 6.11 | 5.35  | 4.20  | 4.01  | 3.82  | 3.63  | 3.44  | 3.25  | 3.06  |
| 240.0  | 7.45 | 6.88  | 6.50  | 5.92  | 5.35  | 5.16  | 5.16  | 4.59  | 4.59  |
| 255.0  | 6.30 | 5.73  | 4.78  | 4.20  | 4.20  | 4.20  | 4.20  | 4.01  | 3.82  |
| 270.0  | 1.53 | 0.76  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 6.30 | 5.73  | 4.78  | 4.20  | 4.20  | 4.20  | 4.20  | 4.01  | 3.82  |
| 300.0  | 7.45 | 6.88  | 6.50  | 5.92  | 5.35  | 5.16  | 5.16  | 4.59  | 4.59  |
| 315.0  | 6.11 | 5.35  | 4.20  | 4.01  | 3.82  | 3.63  | 3.44  | 3.25  | 3.06  |
| 330.0  | 4.97 | 3.82  | 3.06  | 2.48  | 2.10  | 1.72  | 1.53  | 1.53  | 1.15  |
| 345.0  | 1.91 | 0.96  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 360.0  | 1.91 | 1.53  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| C/γ(°) | 99.0 | 100.0 | 101.0 | 102.0 | 103.0 | 104.0 | 105.0 | 106.0 | 107.0 |
| 0.0    | 0.38 | 0.38  | 0.38  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.38  |
| 15.0   | 0.38 | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 30.0   | 1.15 | 1.15  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  | 0.76  |
| 45.0   | 2.87 | 2.67  | 2.29  | 2.10  | 1.91  | 1.53  | 1.53  | 1.53  | 1.34  |
| 60.0   | 4.20 | 4.20  | 3.63  | 3.44  | 3.06  | 2.67  | 2.48  | 2.10  | 2.10  |
| 75.0   | 3.82 | 3.82  | 3.44  | 3.06  | 3.06  | 2.87  | 2.48  | 2.29  | 2.10  |
| 90.0   | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 3.82 | 3.82  | 3.44  | 3.06  | 3.06  | 2.87  | 2.48  | 2.29  | 2.10  |
| 120.0  | 4.20 | 4.20  | 3.63  | 3.44  | 3.06  | 2.67  | 2.48  | 2.10  | 2.10  |
| 135.0  | 2.87 | 2.67  | 2.29  | 2.10  | 1.91  | 1.53  | 1.53  | 1.53  | 1.34  |
| 150.0  | 1.15 | 1.15  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  | 0.76  |
| 165.0  | 0.38 | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 180.0  | 0.38 | 0.38  | 0.38  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.38  |
| 195.0  | 0.38 | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 210.0  | 1.15 | 1.15  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  | 0.76  |
| 225.0  | 2.87 | 2.67  | 2.29  | 2.10  | 1.91  | 1.53  | 1.53  | 1.53  | 1.34  |
| 240.0  | 4.20 | 4.20  | 3.63  | 3.44  | 3.06  | 2.67  | 2.48  | 2.10  | 2.10  |
| 255.0  | 3.82 | 3.82  | 3.44  | 3.06  | 3.06  | 2.87  | 2.48  | 2.29  | 2.10  |
| 270.0  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 3.82 | 3.82  | 3.44  | 3.06  | 3.06  | 2.87  | 2.48  | 2.29  | 2.10  |
| 300.0  | 4.20 | 4.20  | 3.63  | 3.44  | 3.06  | 2.67  | 2.48  | 2.10  | 2.10  |
| 315.0  | 2.87 | 2.67  | 2.29  | 2.10  | 1.91  | 1.53  | 1.53  | 1.53  | 1.34  |
| 330.0  | 1.15 | 1.15  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  | 0.76  |
| 345.0  | 0.38 | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 360.0  | 0.38 | 0.38  | 0.38  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.38  |

| C/γ(°) | 108.0 | 109.0 | 110.0 | 111.0 | 112.0 | 113.0 | 114.0 | 115.0 | 116.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0    | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 15.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 30.0   | 0.76  | 0.76  | 0.76  | 0.76  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  |
| 45.0   | 1.34  | 0.96  | 0.96  | 0.76  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  |
| 60.0   | 1.72  | 1.34  | 1.34  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  |
| 75.0   | 1.91  | 1.72  | 1.53  | 1.34  | 1.34  | 1.15  | 0.96  | 0.96  | 0.96  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 1.91  | 1.72  | 1.53  | 1.34  | 1.34  | 1.15  | 0.96  | 0.96  | 0.96  |
| 120.0  | 1.72  | 1.34  | 1.34  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  |
| 135.0  | 1.34  | 0.96  | 0.96  | 0.76  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  |
| 150.0  | 0.76  | 0.76  | 0.76  | 0.76  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  |
| 165.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 180.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 195.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 210.0  | 0.76  | 0.76  | 0.76  | 0.76  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  |
| 225.0  | 1.34  | 0.96  | 0.96  | 0.76  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  |
| 240.0  | 1.72  | 1.34  | 1.34  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  |
| 255.0  | 1.91  | 1.72  | 1.53  | 1.34  | 1.34  | 1.15  | 0.96  | 0.96  | 0.96  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 1.91  | 1.72  | 1.53  | 1.34  | 1.34  | 1.15  | 0.96  | 0.96  | 0.96  |
| 300.0  | 1.72  | 1.34  | 1.34  | 1.15  | 1.15  | 1.15  | 0.96  | 0.76  | 0.76  |
| 315.0  | 1.34  | 0.96  | 0.96  | 0.76  | 0.76  | 0.38  | 0.38  | 0.38  | 0.38  |
| 330.0  | 0.76  | 0.76  | 0.76  | 0.76  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  |
| 345.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 360.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| C/γ(°) | 117.0 | 118.0 | 119.0 | 120.0 | 121.0 | 122.0 | 123.0 | 124.0 | 125.0 |
| 0.0    | 0.38  | 0.38  | 0.38  | 0.38  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  |
| 15.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 30.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 45.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 60.0   | 0.76  | 0.76  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 75.0   | 0.57  | 0.57  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 0.57  | 0.57  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 120.0  | 0.76  | 0.76  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 135.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 150.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 165.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 180.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  |
| 195.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 210.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 225.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 240.0  | 0.76  | 0.76  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 255.0  | 0.57  | 0.57  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 0.57  | 0.57  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 300.0  | 0.76  | 0.76  | 0.57  | 0.57  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 315.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 330.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 345.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 360.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  |

## Intensity data(cd)

Appendix Page: 18 Total:21

| C/γ(°) | 126.0 | 127.0 | 128.0 | 129.0 | 130.0 | 131.0 | 132.0 | 133.0 | 134.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0    | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.38  | 0.38  |
| 15.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 30.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 45.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 60.0   | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.38  | 0.38  | 0.19  | 0.19  |
| 75.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.19  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.19  |
| 120.0  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.38  | 0.38  | 0.19  | 0.19  |
| 135.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 150.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 165.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 180.0  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.38  | 0.38  |
| 195.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 210.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 225.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 240.0  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.38  | 0.38  | 0.19  | 0.19  |
| 255.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.19  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.19  |
| 300.0  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.38  | 0.38  | 0.19  | 0.19  |
| 315.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 330.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 345.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  |
| 360.0  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.38  | 0.38  |
| C/γ(°) | 135.0 | 136.0 | 137.0 | 138.0 | 139.0 | 140.0 | 141.0 | 142.0 | 143.0 |
| 0.0    | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.00  |
| 15.0   | 0.38  | 0.57  | 0.57  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 30.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  |
| 45.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 60.0   | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 75.0   | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 120.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 135.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 150.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  |
| 165.0  | 0.38  | 0.57  | 0.57  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 180.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.00  |
| 195.0  | 0.38  | 0.57  | 0.57  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 210.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  |
| 225.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 240.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 255.0  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 300.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.00  | 0.00  | 0.00  |
| 315.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 330.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.19  |
| 345.0  | 0.38  | 0.57  | 0.57  | 0.38  | 0.19  | 0.19  | 0.19  | 0.00  | 0.00  |
| 360.0  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.38  | 0.00  |

| C/γ(°) | 144.0 | 145.0 | 146.0 | 147.0 | 148.0 | 149.0 | 150.0 | 151.0 | 152.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 15.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 30.0   | 0.19  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 45.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 60.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 75.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 120.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 135.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 150.0  | 0.19  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 165.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 180.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 195.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 210.0  | 0.19  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 225.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 240.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 255.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 300.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 315.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 330.0  | 0.19  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 345.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 360.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| C/γ(°) | 153.0 | 154.0 | 155.0 | 156.0 | 157.0 | 158.0 | 159.0 | 160.0 | 161.0 |
| 0.0    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 15.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 30.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 45.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 60.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 75.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 120.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 135.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 150.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 165.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 180.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 195.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 210.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 225.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 240.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 255.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 300.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 315.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 330.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 345.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 360.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |

| C/ $\gamma$ (°) | 162.0 | 163.0 | 164.0 | 165.0 | 166.0 | 167.0 | 168.0 | 169.0 | 170.0 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0             | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 15.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 30.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 45.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 60.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 75.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 90.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 120.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 135.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 150.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 165.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 180.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 195.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 210.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 225.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 240.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 255.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 270.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 300.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 315.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 330.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 345.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 360.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| C/ $\gamma$ (°) | 171.0 | 172.0 | 173.0 | 174.0 | 175.0 | 176.0 | 177.0 | 178.0 | 179.0 |
| 0.0             | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 15.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 30.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 45.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 60.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 75.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 90.0            | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 105.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 120.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 135.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 150.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 165.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 180.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 195.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 210.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 225.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 240.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 255.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 270.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 285.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 300.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 315.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 330.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 345.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 360.0           | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |

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**Intensity data(cd)**

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|                                 |              |
|---------------------------------|--------------|
| <b>C/<math>\gamma</math>(°)</b> | <b>180.0</b> |
| <b>0.0</b>                      | <b>0.00</b>  |
| <b>15.0</b>                     | <b>0.00</b>  |
| <b>30.0</b>                     | <b>0.00</b>  |
| <b>45.0</b>                     | <b>0.00</b>  |
| <b>60.0</b>                     | <b>0.00</b>  |
| <b>75.0</b>                     | <b>0.00</b>  |
| <b>90.0</b>                     | <b>0.00</b>  |
| <b>105.0</b>                    | <b>0.00</b>  |
| <b>120.0</b>                    | <b>0.00</b>  |
| <b>135.0</b>                    | <b>0.00</b>  |
| <b>150.0</b>                    | <b>0.00</b>  |
| <b>165.0</b>                    | <b>0.00</b>  |
| <b>180.0</b>                    | <b>0.00</b>  |
| <b>195.0</b>                    | <b>0.00</b>  |
| <b>210.0</b>                    | <b>0.00</b>  |
| <b>225.0</b>                    | <b>0.00</b>  |
| <b>240.0</b>                    | <b>0.00</b>  |
| <b>255.0</b>                    | <b>0.00</b>  |
| <b>270.0</b>                    | <b>0.00</b>  |
| <b>285.0</b>                    | <b>0.00</b>  |
| <b>300.0</b>                    | <b>0.00</b>  |
| <b>315.0</b>                    | <b>0.00</b>  |
| <b>330.0</b>                    | <b>0.00</b>  |
| <b>345.0</b>                    | <b>0.00</b>  |
| <b>360.0</b>                    | <b>0.00</b>  |