



SGSO

Address: LIT by CARDI

Client:

LumCAT: 0017440218 RIO 8W 4000K 800lm

Luminaire:

Report No:

Voltage(V): 230.3400

Test No: KYZ-A251014055-01-005

Current(A): 0.0433

LampCAT: LED

Power (W): 8.0000

Lamp flux(lm): -1.0

PF: 0.8020

Number of Lamps: 1

Ballast type:

Length(mm): -80

Width(mm): -80

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 800.00

Efficiency(%): 100.00%

Lumens(lm)/Power(W): 100.00

Central intensity(cd): 394.822

Maximum intensity(cd): 399.534

Angle of maximum intensity: C=315.0  $\gamma$ =5.0

Beam Angle(50%Imax): [C0/180]Total=86.3

[C90/270]Total=86.3

Field angle(10%Imax): [C0/180]Total=143.2

[C90/270]Total=138.7

Maximum s/h(1/2): C0\_180=1.17 C90\_270=1.21

Maximum s/h(1/4): C0\_180=1.19 C90\_270=1.23

Up flux rate of lamp(%): 0.71%

Down flux rate of lamp(%): 99.29%

Up flux rate of LUM(%): 0.71%

Down flux rate of LUM(%): 99.29%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 88.120%

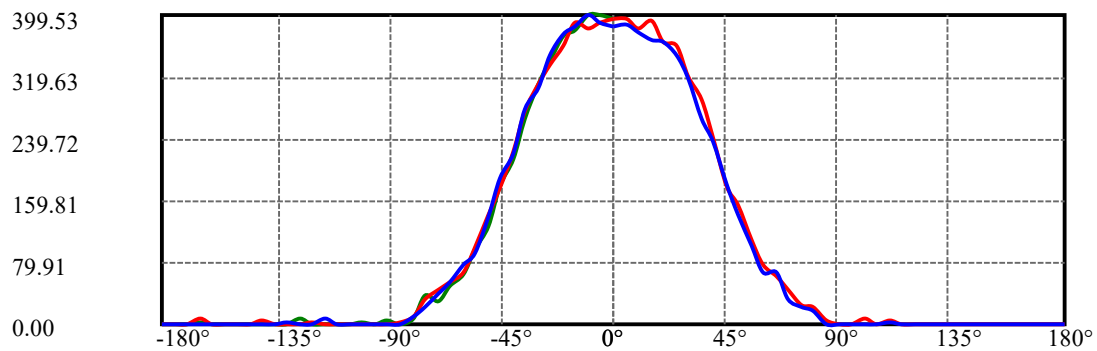
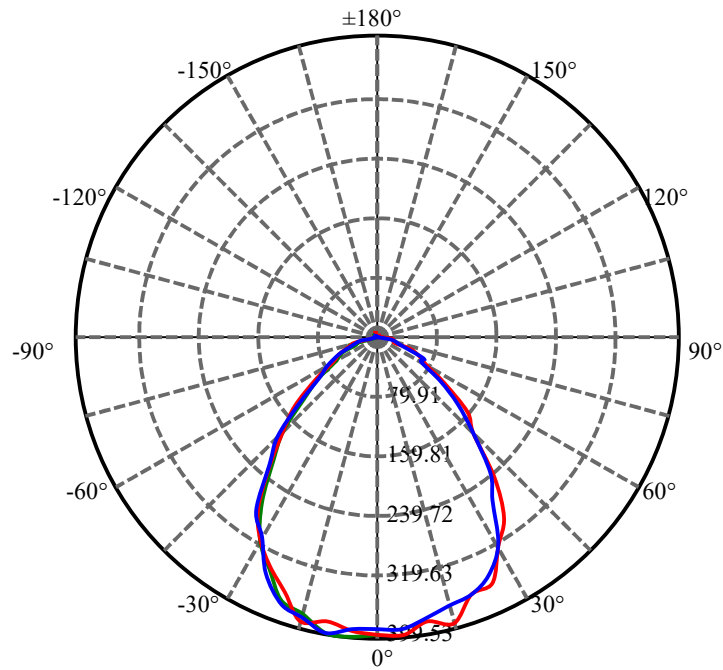
| $\gamma(^{\circ})$ | Average I(cd) | Zonal F(lm) | Sum F(lm) | Eff Flux(%) | Eff Sum(%) |
|--------------------|---------------|-------------|-----------|-------------|------------|
| 0.0                | 469.743       | 0.000       | 0         | .000%       | .000%      |
| 5.0                | 466.729       | 9.343       | 9.343     | .000%       | 1.168%     |
| 10.0               | 465.643       | 27.835      | 37.177    | .000%       | 4.647%     |
| 15.0               | 459.832       | 45.814      | 82.991    | .000%       | 10.374%    |
| 20.0               | 445.495       | 62.265      | 145.257   | .000%       | 18.157%    |
| 25.0               | 418.940       | 75.661      | 220.917   | .000%       | 27.615%    |
| 30.0               | 375.631       | 83.914      | 304.832   | .000%       | 38.104%    |
| 35.0               | 328.304       | 86.506      | 391.338   | .000%       | 48.917%    |
| 40.0               | 272.912       | 83.710      | 475.048   | .000%       | 59.381%    |
| 45.0               | 212.796       | 75.051      | 550.099   | .000%       | 68.762%    |
| 50.0               | 161.939       | 63.191      | 613.29    | .000%       | 76.661%    |
| 55.0               | 121.101       | 51.359      | 664.649   | .000%       | 83.081%    |
| 60.0               | 87.894        | 40.315      | 704.963   | .000%       | 88.120%    |
| 65.0               | 64.026        | 30.821      | 735.784   | .000%       | 91.973%    |
| 70.0               | 48.332        | 23.742      | 759.526   | .000%       | 94.940%    |
| 75.0               | 32.122        | 17.549      | 777.075   | .000%       | 97.134%    |
| 80.0               | 19.686        | 11.568      | 788.644   | .000%       | 98.580%    |
| 85.0               | 2.498         | 5.030       | 793.674   | .000%       | 99.209%    |
| 90.0               | 0.462         | 0.676       | 794.35    | .000%       | 99.293%    |
| 95.0               | 0.977         | 0.329       | 794.679   | .000%       | 99.334%    |
| 100.0              | 1.928         | 0.659       | 795.338   | .000%       | 99.417%    |
| 105.0              | 1.249         | 0.709       | 796.047   | .000%       | 99.505%    |
| 110.0              | 0.652         | 0.415       | 796.462   | .000%       | 99.557%    |
| 115.0              | 0.706         | 0.287       | 796.749   | .000%       | 99.593%    |
| 120.0              | 2.362         | 0.622       | 797.371   | .000%       | 99.671%    |
| 125.0              | 0.652         | 0.581       | 797.953   | .000%       | 99.744%    |
| 130.0              | 1.412         | 0.374       | 798.327   | .000%       | 99.790%    |
| 135.0              | 0.326         | 0.293       | 798.62    | .000%       | 99.827%    |
| 140.0              | 1.602         | 0.298       | 798.918   | .000%       | 99.864%    |
| 145.0              | 0.625         | 0.310       | 799.228   | .000%       | 99.903%    |
| 150.0              | 0.326         | 0.117       | 799.345   | .000%       | 99.918%    |
| 155.0              | 0.217         | 0.057       | 799.402   | .000%       | 99.925%    |
| 160.0              | 1.901         | 0.185       | 799.588   | .000%       | 99.948%    |
| 165.0              | 1.874         | 0.260       | 799.847   | .000%       | 99.980%    |
| 170.0              | 0.760         | 0.130       | 799.978   | .000%       | 99.997%    |
| 175.0              | 0.081         | 0.025       | 800.003   | .000%       | 100.000%   |
| 180.0              | 0.054         | 0.001       | 800.004   | .000%       | 100.000%   |

## ZONAL LUMEN SUMMARY

| Zone    | Lumens | %Lamp | %Fixt   |
|---------|--------|-------|---------|
| 0-30    | 304.83 | N.A.  | 38.10%  |
| 0-40    | 475.05 | N.A.  | 59.38%  |
| 0-60    | 704.96 | N.A.  | 88.12%  |
| 0-90    | 794.35 | N.A.  | 99.29%  |
| 0-120   | 797.37 | N.A.  | 99.67%  |
| 0-180   | 800.00 | N.A.  | 100.00% |
| 60-90   | 129.70 | N.A.  | 16.21%  |
| 90-120  | 3.70   | N.A.  | 0.46%   |
| 90-130  | 4.65   | N.A.  | 0.58%   |
| 90-150  | 5.67   | N.A.  | 0.71%   |
| 90-180  | 6.33   | N.A.  | 0.79%   |
| 0-52.60 | 640.00 | N.A.  | 80.00%  |

## ZONAL LUMEN SUMMARY

|         |        |
|---------|--------|
| 0-10    | 37.18  |
| 10-20   | 108.08 |
| 20-30   | 159.58 |
| 30-40   | 170.22 |
| 40-50   | 138.24 |
| 50-60   | 91.67  |
| 60-70   | 54.56  |
| 70-80   | 29.12  |
| 80-90   | 5.71   |
| 90-100  | 0.99   |
| 100-110 | 1.12   |
| 110-120 | 0.91   |
| 120-130 | 0.96   |
| 130-140 | 0.59   |
| 140-150 | 0.43   |
| 150-160 | 0.24   |
| 160-170 | 0.39   |
| 170-180 | 0.03   |



C315(Max):

C0/C180:

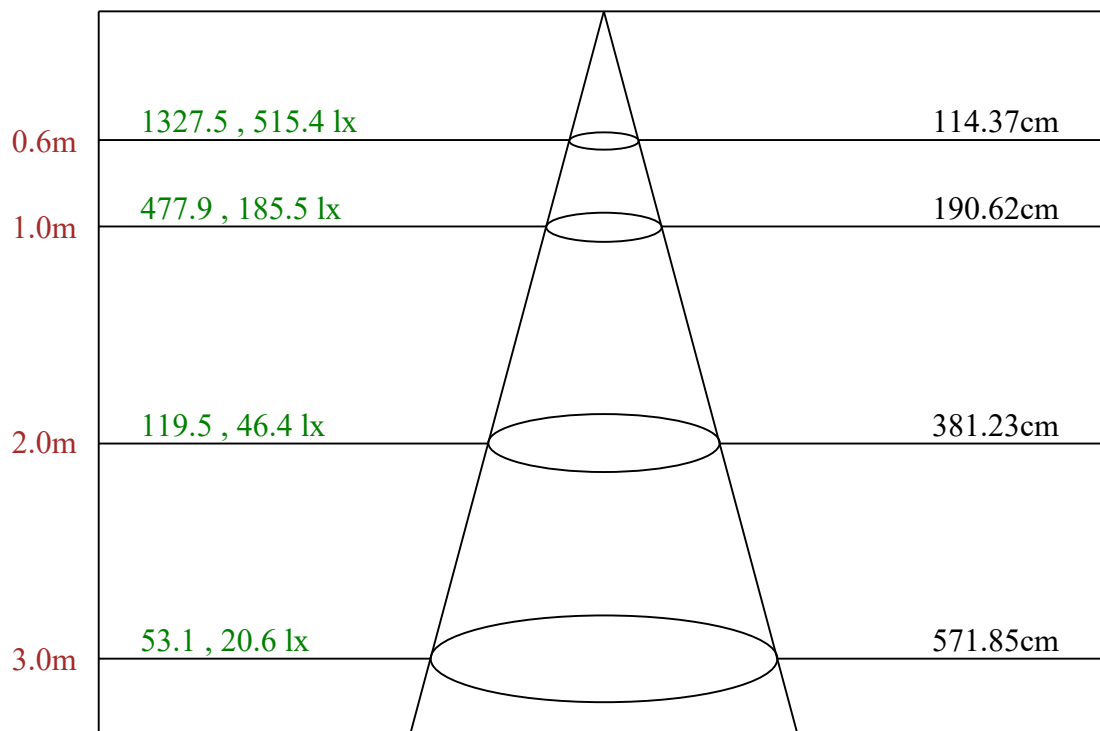
C90/C270:

Field angle(10%Imax):C0/180Left:76.9 Right:66.3

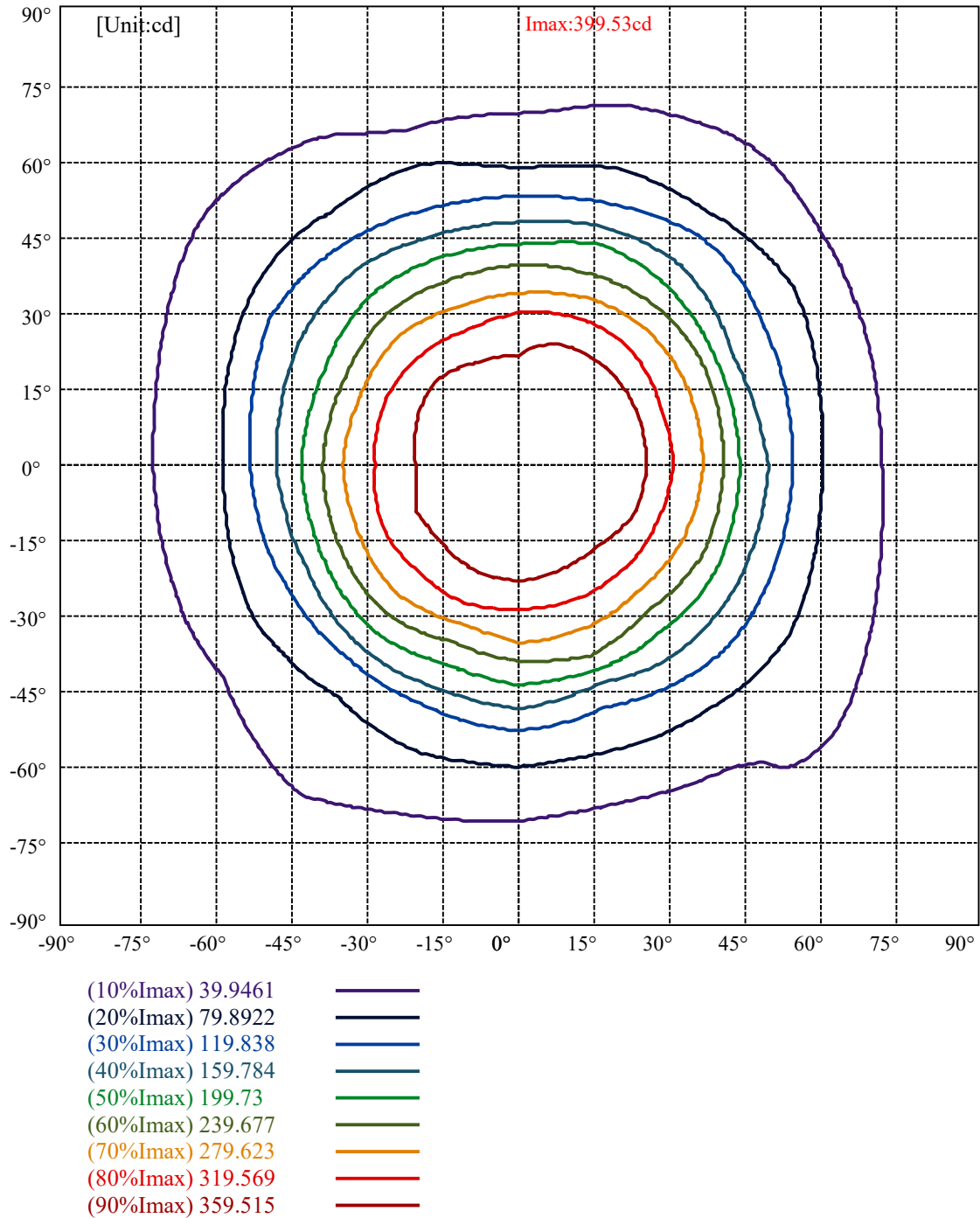
:C90/270Left:59.8 Right:78.9

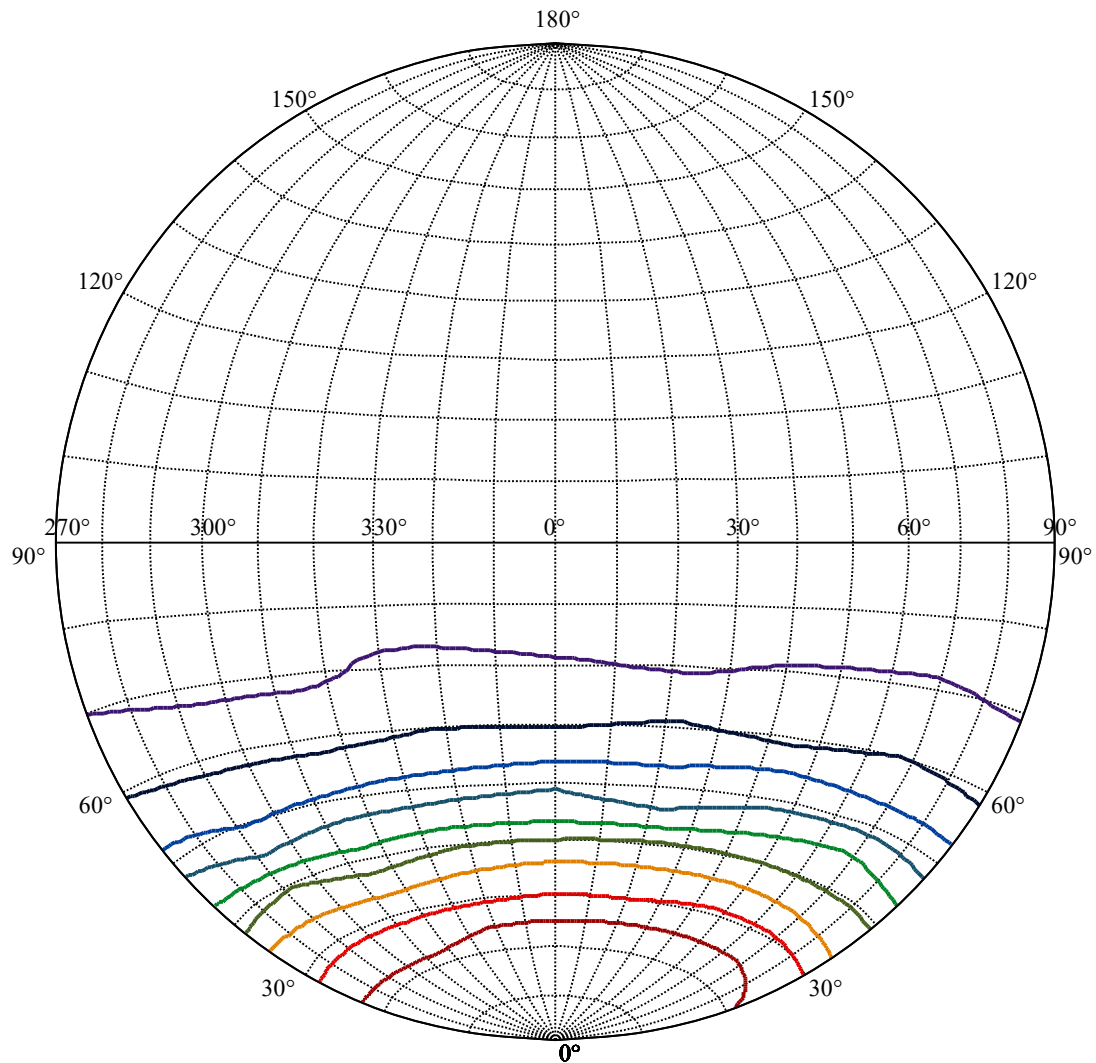
Beam Angle(50%Imax):C0/180Left:47.8 Right:38.5

:C90/270Left:33.1 Right:53.2



Max , Ave      Beam angle of C315 plane 87.25





House

[Unit:cd]

Road

Imax:399.53

(10%Imax) 33.34208

(20%Imax) 66.68425

(30%Imax) 100.0261

(40%Imax) 133.3687

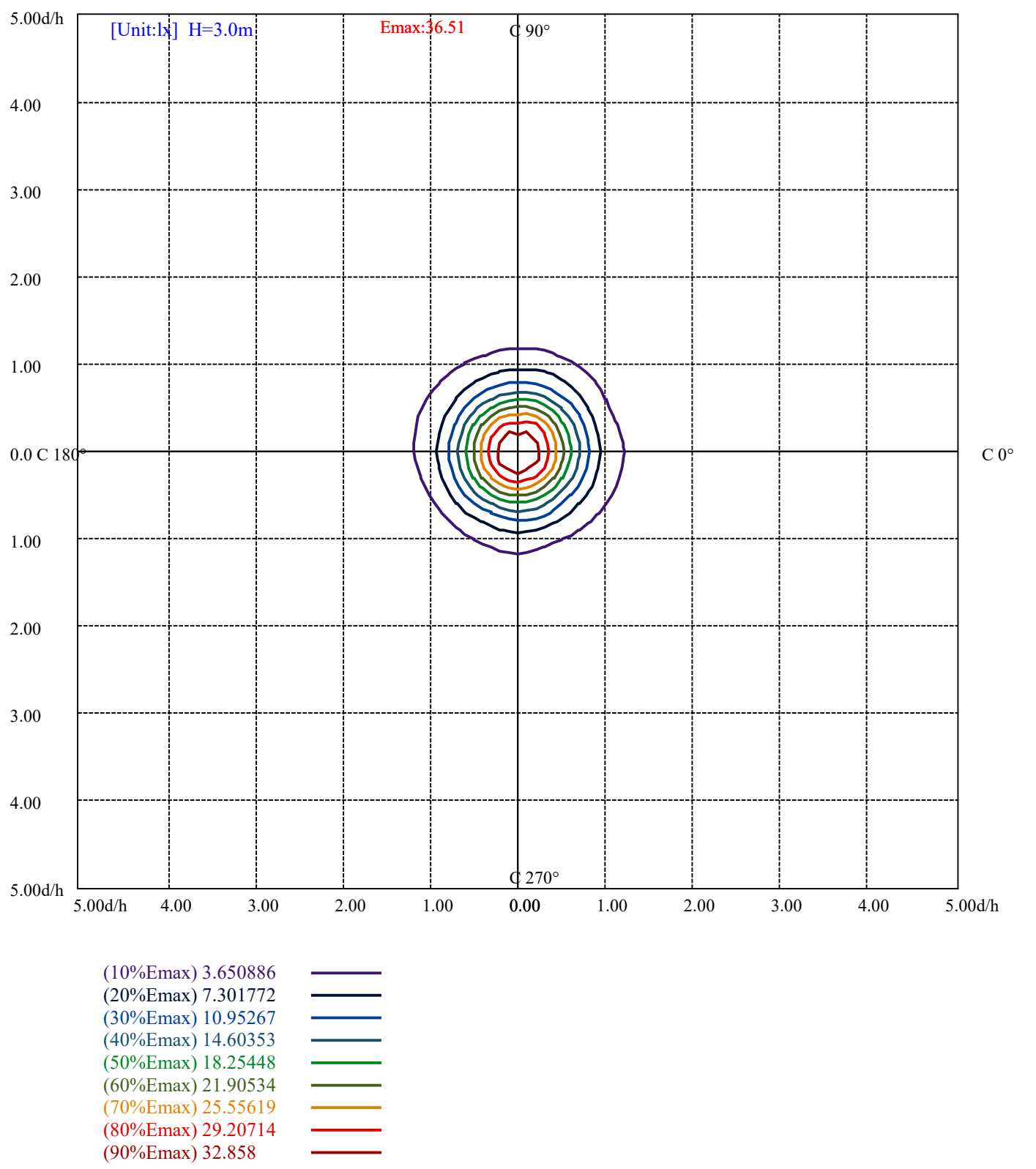
(50%Imax) 166.7104

(60%Imax) 200.053

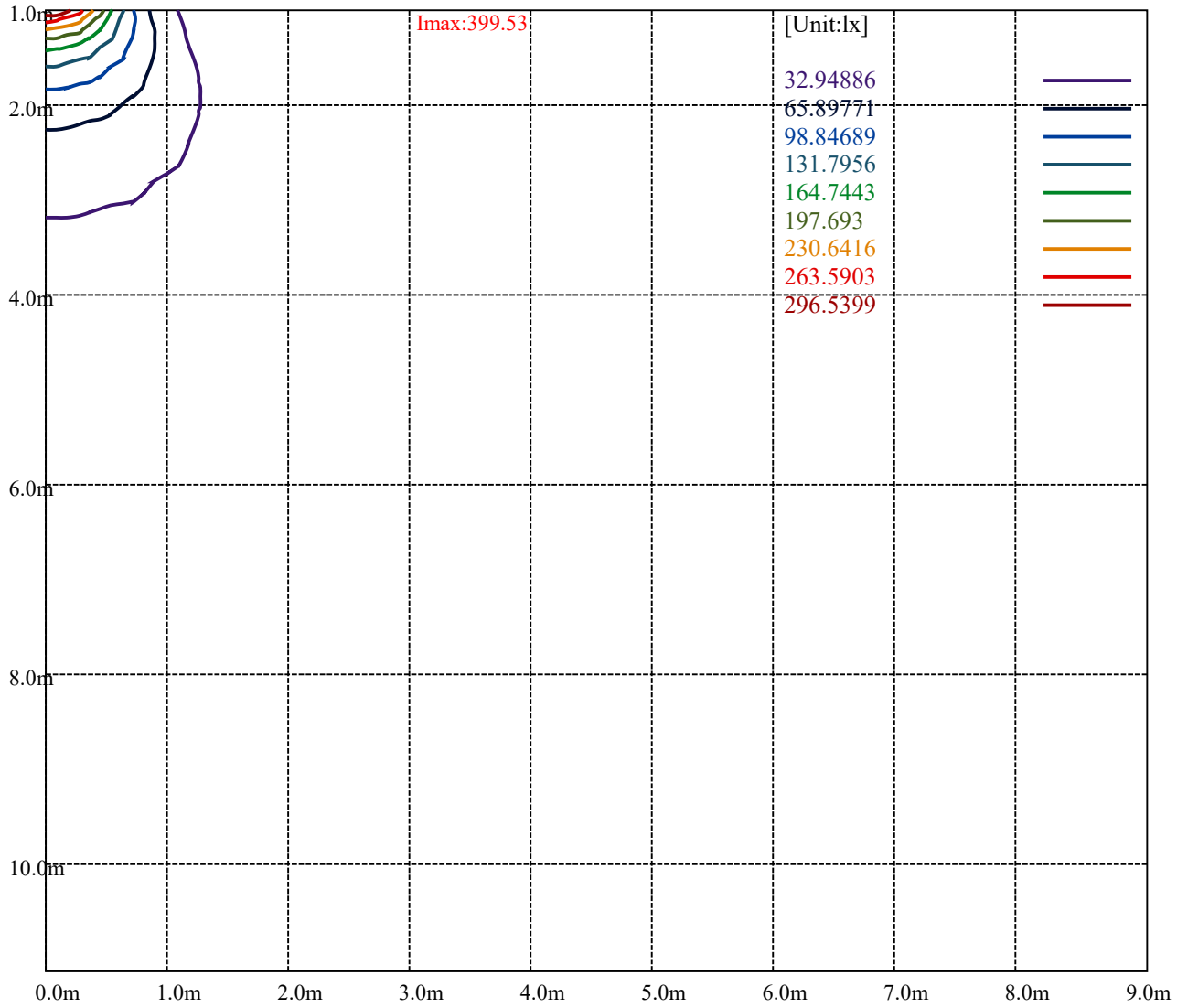
(70%Imax) 233.3947

(80%Imax) 266.7365

(90%Imax) 300.0791







Luminance Table

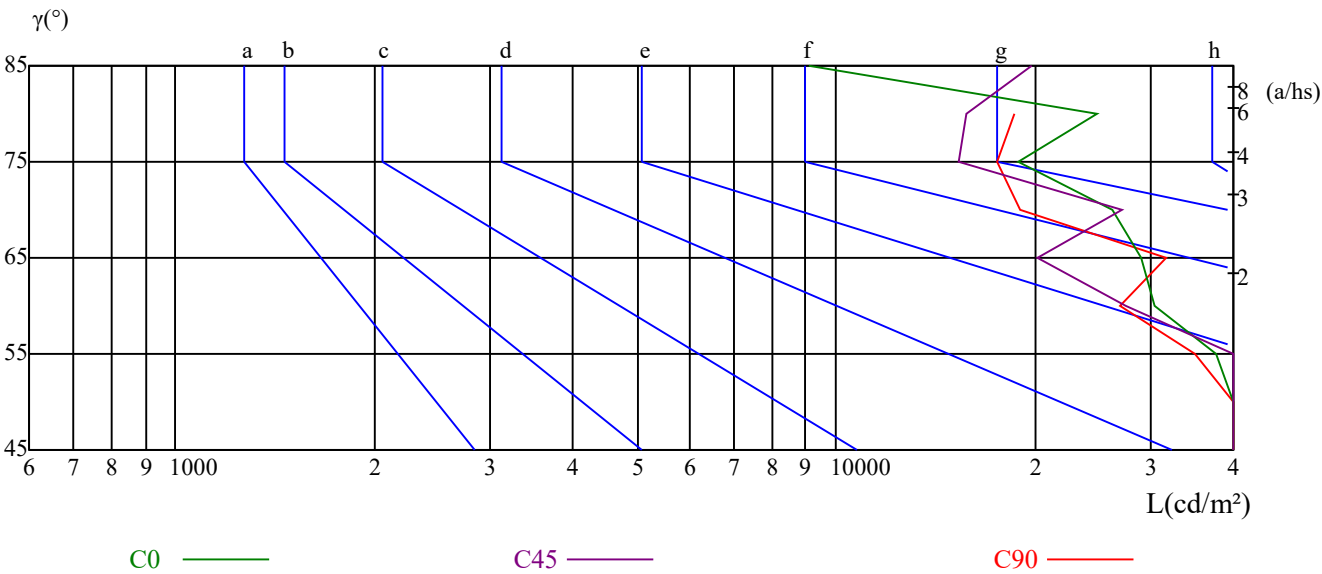
| $\gamma$ | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C0       | 50390 | 47914 | 37600 | 30438 | 29014 | 26150 | 18950 | 24922 | 9104  |
| C45      | 54368 | 45782 | 40995 | 27408 | 20139 | 27204 | 15327 | 15784 | 19862 |
| C90      | 50696 | 43426 | 35085 | 26976 | 31574 | 18980 | 17557 | 18692 | 0     |

| L(Hor)(65) | L(Ver)(65) | L45(65) | L(Hor)(75) | L(Ver)(75) | L45(75) | L(Hor)(85) | L(Ver)(85) | L45(85) |
|------------|------------|---------|------------|------------|---------|------------|------------|---------|
| 27563      | 28928      | 22358   | 21877      | 17836      | 20483   | 8689       | 0          | 6828    |

Glare Table

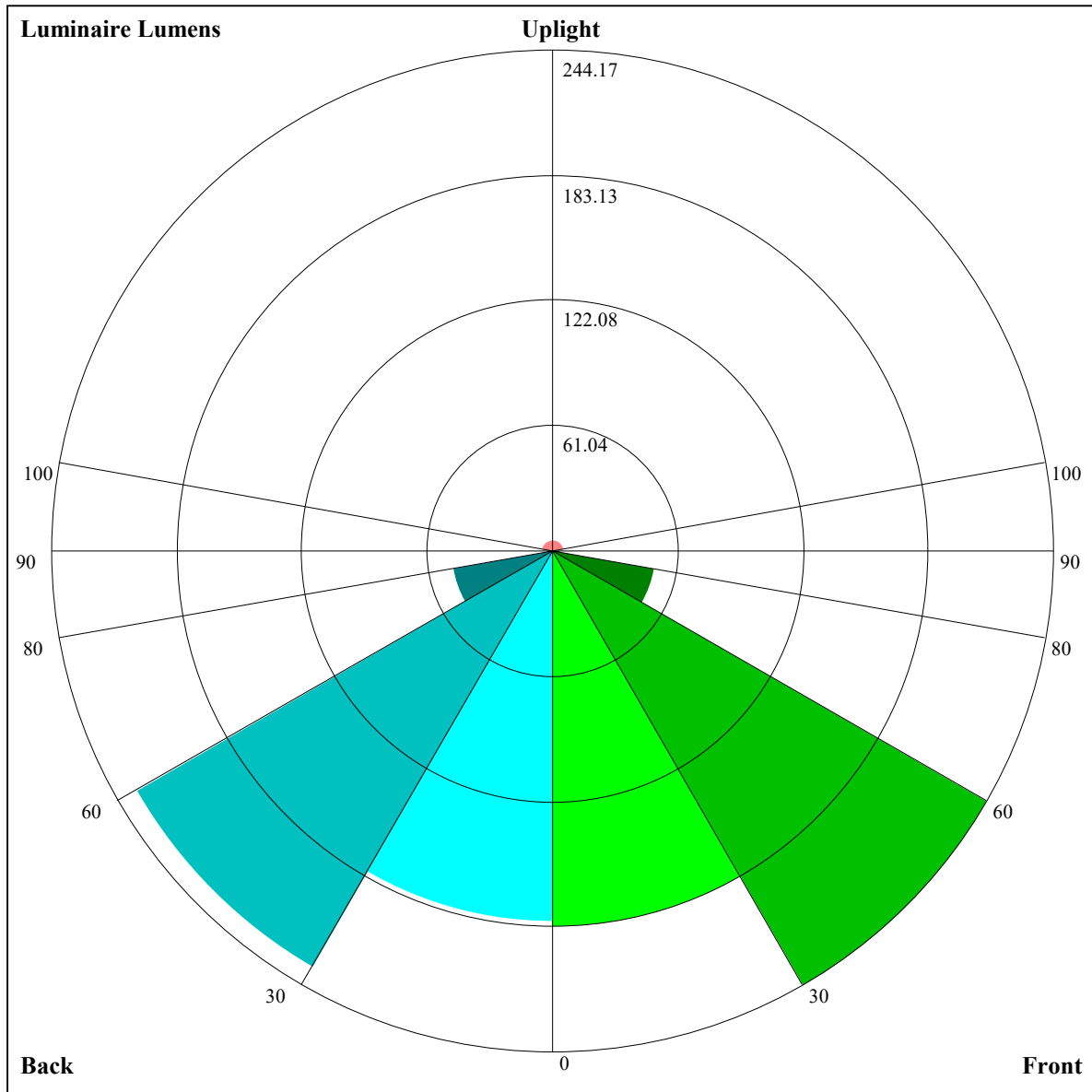
| Glare | Quality | Service Values Illuminance(lx) |      |      |            |            |            |            |            |
|-------|---------|--------------------------------|------|------|------------|------------|------------|------------|------------|
| 1.15  | A       | 2000                           | 1000 | 500  | $\leq 300$ |            |            |            |            |
| 1.5   | B       |                                | 2000 | 1000 | 500        | $\leq 300$ |            |            |            |
| 1.85  | C       |                                |      | 2000 | 1000       | 500        | $\leq 300$ |            |            |
| 2.2   | D       |                                |      |      | 2000       | 1000       | 500        | $\leq 300$ |            |
| 2.55  | E       |                                |      |      |            | 2000       | 1000       | 500        | $\leq 300$ |
|       |         | a                              | b    | c    | d          | e          | f          | g          | h          |

Luminance Limiting Curve



| Illumination assessment according UGR             |     |                  |       |       |       |       |                |       |       |       |       |
|---------------------------------------------------|-----|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Rf of Ceiling                                     |     | 70               | 70    | 50    | 50    | 30    | 70             | 70    | 50    | 50    | 30    |
| Rf of Wall                                        |     | 50               | 30    | 50    | 30    | 30    | 50             | 30    | 50    | 30    | 30    |
| Rf of Floor                                       |     | 20               | 20    | 20    | 20    | 20    | 20             | 20    | 20    | 20    | 20    |
| Room dimensions                                   |     | Viewed crosswise |       |       |       |       | Viewed endwise |       |       |       |       |
| X                                                 | Y   |                  |       |       |       |       |                |       |       |       |       |
| 2H                                                | 2H  | 21.22            | 22.65 | 21.59 | 22.97 | 23.31 | 21.04          | 22.46 | 21.41 | 22.79 | 23.12 |
|                                                   | 3H  | 22.10            | 23.38 | 22.49 | 23.73 | 24.09 | 21.88          | 23.15 | 22.27 | 23.51 | 23.87 |
|                                                   | 4H  | 22.41            | 23.61 | 22.82 | 23.97 | 24.35 | 22.12          | 23.31 | 22.53 | 23.68 | 24.06 |
|                                                   | 6H  | 22.75            | 23.85 | 23.17 | 24.24 | 24.65 | 22.42          | 23.52 | 22.84 | 23.91 | 24.32 |
|                                                   | 8H  | 22.84            | 23.90 | 23.26 | 24.29 | 24.71 | 22.47          | 23.53 | 22.90 | 23.92 | 24.34 |
|                                                   | 12H | 22.84            | 23.85 | 23.27 | 24.25 | 24.68 | 22.43          | 23.44 | 22.86 | 23.85 | 24.27 |
| 4H                                                | 2H  | 21.49            | 22.69 | 21.90 | 23.05 | 23.44 | 21.32          | 22.51 | 21.73 | 22.88 | 23.26 |
|                                                   | 3H  | 22.52            | 23.53 | 22.95 | 23.93 | 24.36 | 22.40          | 23.40 | 22.83 | 23.80 | 24.23 |
|                                                   | 4H  | 23.03            | 23.91 | 23.48 | 24.34 | 24.80 | 22.78          | 23.66 | 23.23 | 24.10 | 24.55 |
|                                                   | 6H  | 23.45            | 24.23 | 23.93 | 24.69 | 25.15 | 23.28          | 24.06 | 23.75 | 24.52 | 24.98 |
|                                                   | 8H  | 23.61            | 24.34 | 24.10 | 24.80 | 25.28 | 23.42          | 24.15 | 23.91 | 24.61 | 25.09 |
|                                                   | 12H | 23.65            | 24.33 | 24.14 | 24.78 | 25.31 | 23.42          | 24.09 | 23.91 | 24.55 | 25.07 |
| 8H                                                | 4H  | 23.11            | 23.84 | 23.60 | 24.30 | 24.78 | 22.88          | 23.60 | 23.36 | 24.07 | 24.55 |
|                                                   | 6H  | 23.62            | 24.23 | 24.13 | 24.71 | 25.23 | 23.58          | 24.19 | 24.09 | 24.67 | 25.19 |
|                                                   | 8H  | 23.88            | 24.41 | 24.41 | 24.93 | 25.44 | 23.87          | 24.40 | 24.40 | 24.92 | 25.43 |
|                                                   | 12H | 23.95            | 24.39 | 24.49 | 24.92 | 25.44 | 23.88          | 24.32 | 24.42 | 24.85 | 25.37 |
| 12H                                               | 4H  | 23.14            | 23.81 | 23.63 | 24.27 | 24.79 | 22.88          | 23.55 | 23.37 | 24.01 | 24.53 |
|                                                   | 6H  | 23.71            | 24.23 | 24.24 | 24.76 | 25.26 | 23.65          | 24.18 | 24.18 | 24.70 | 25.21 |
|                                                   | 8H  | 23.94            | 24.38 | 24.48 | 24.91 | 25.43 | 23.93          | 24.37 | 24.47 | 24.89 | 25.42 |
| Variation with the observer position at spacings: |     |                  |       |       |       |       |                |       |       |       |       |
| S = 1.0H                                          |     | 0.3/-0.7         |       |       |       |       | 0.4/-0.7       |       |       |       |       |
| S = 1.5H                                          |     | 1.0/-1.6         |       |       |       |       | 0.9/-1.3       |       |       |       |       |
| S = 2.0H                                          |     | 1.7/-1.5         |       |       |       |       | 2.0/-1.6       |       |       |       |       |
| Standard tables:                                  |     | BK3              |       |       |       |       | BK3            |       |       |       |       |
| Uncorrected UGR                                   |     | 8.4              |       |       |       |       | 8.7            |       |       |       |       |

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



Luminaire Lumens:

FL=183.59,FM=244.17,FH=50.14,FVH=3.77

BL=180.99,BM=234.5,BH=49.83,BVH=2.76

UL=1.18,UH=5.6

BUG Rating:B1-U1-G0

## Intensity data(cd)

| C/γ(°) | 0.0    | 5.0    | 10.0   | 15.0   | 20.0   | 25.0   | 30.0   | 35.0   | 40.0   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0    | 394.82 | 394.82 | 382.86 | 393.01 | 363.64 | 360.74 | 321.22 | 290.77 | 241.10 |
| 22.5   | 386.12 | 391.92 | 391.20 | 383.94 | 379.59 | 362.19 | 318.32 | 287.51 | 247.26 |
| 45.0   | 393.73 | 391.20 | 391.56 | 372.34 | 381.41 | 361.47 | 328.84 | 286.78 | 241.46 |
| 67.5   | 391.56 | 384.31 | 389.38 | 387.21 | 390.47 | 360.38 | 327.75 | 279.17 | 235.66 |
| 90.0   | 385.76 | 387.93 | 377.78 | 368.35 | 363.64 | 348.05 | 318.32 | 264.66 | 234.57 |
| 112.5  | 391.20 | 383.22 | 391.56 | 393.01 | 365.82 | 345.88 | 304.18 | 262.49 | 227.68 |
| 135.0  | 394.10 | 381.04 | 372.71 | 374.16 | 374.52 | 348.05 | 306.36 | 272.28 | 225.87 |
| 157.5  | 398.81 | 389.75 | 385.39 | 382.13 | 365.82 | 346.96 | 311.43 | 266.48 | 213.54 |
| 180.0  | 394.82 | 389.75 | 382.86 | 390.11 | 360.38 | 335.00 | 309.98 | 275.54 | 222.61 |
| 202.5  | 386.12 | 398.08 | 397.72 | 389.75 | 362.55 | 355.30 | 311.07 | 269.01 | 221.16 |
| 225.0  | 393.73 | 388.66 | 386.12 | 388.66 | 364.00 | 344.43 | 306.36 | 274.45 | 219.71 |
| 247.5  | 391.56 | 385.39 | 388.30 | 383.58 | 373.79 | 343.34 | 313.25 | 255.24 | 208.11 |
| 270.0  | 385.76 | 389.38 | 399.17 | 385.03 | 375.24 | 346.24 | 304.55 | 279.17 | 220.07 |
| 292.5  | 391.20 | 386.12 | 388.66 | 377.06 | 373.79 | 338.99 | 310.71 | 274.45 | 236.75 |
| 315.0  | 394.10 | 399.53 | 399.17 | 379.59 | 371.98 | 339.35 | 311.07 | 266.11 | 212.46 |
| 337.5  | 398.81 | 390.83 | 393.01 | 391.92 | 381.77 | 357.48 | 312.16 | 279.53 | 236.02 |
| 360.0  | 394.82 | 394.82 | 382.86 | 393.01 | 363.64 | 360.74 | 321.22 | 290.77 | 241.10 |
|        |        |        |        |        |        |        |        |        |        |
| C/γ(°) | 45.0   | 50.0   | 55.0   | 60.0   | 65.0   | 70.0   | 75.0   | 80.0   | 85.0   |
| 0.0    | 179.10 | 154.81 | 108.40 | 76.50  | 61.63  | 44.96  | 24.65  | 21.75  | 3.99   |
| 22.5   | 168.95 | 130.16 | 115.29 | 85.56  | 60.18  | 34.81  | 31.90  | 17.40  | 5.08   |
| 45.0   | 193.24 | 147.92 | 118.19 | 68.88  | 42.78  | 46.77  | 19.94  | 13.78  | 8.70   |
| 67.5   | 205.21 | 145.75 | 107.32 | 81.57  | 41.69  | 49.31  | 22.84  | 29.37  | 1.45   |
| 90.0   | 180.19 | 140.31 | 101.15 | 67.80  | 67.07  | 32.63  | 22.84  | 16.31  | 0.00   |
| 112.5  | 179.10 | 135.23 | 101.51 | 85.93  | 44.96  | 34.44  | 27.19  | 16.31  | 0.00   |
| 135.0  | 182.73 | 146.11 | 101.15 | 72.51  | 45.68  | 41.69  | 17.40  | 19.94  | 3.26   |
| 157.5  | 172.94 | 151.18 | 117.83 | 74.69  | 69.25  | 44.96  | 31.54  | 32.27  | 0.00   |
| 180.0  | 177.29 | 142.48 | 98.98  | 66.71  | 55.47  | 43.87  | 32.27  | 10.15  | 3.63   |
| 202.5  | 161.70 | 118.92 | 86.65  | 74.32  | 43.14  | 32.63  | 28.64  | 11.60  | 0.00   |
| 225.0  | 171.49 | 103.69 | 80.49  | 56.20  | 51.12  | 43.51  | 32.63  | 14.14  | 0.00   |
| 247.5  | 168.59 | 118.92 | 98.98  | 72.15  | 63.81  | 40.24  | 23.57  | 9.06   | 0.00   |
| 270.0  | 187.44 | 137.77 | 92.45  | 77.22  | 55.83  | 39.16  | 23.57  | 9.06   | 0.00   |
| 292.5  | 159.16 | 117.10 | 94.99  | 68.52  | 49.67  | 30.45  | 21.75  | 11.60  | 0.73   |
| 315.0  | 177.65 | 126.89 | 96.80  | 65.26  | 50.40  | 29.37  | 36.62  | 8.34   | 0.00   |
| 337.5  | 176.56 | 145.02 | 96.80  | 79.76  | 52.21  | 56.56  | 31.54  | 21.75  | 6.53   |
| 360.0  | 179.10 | 154.81 | 108.40 | 76.50  | 61.63  | 44.96  | 24.65  | 21.75  | 3.99   |
|        |        |        |        |        |        |        |        |        |        |
| C/γ(°) | 90.0   | 95.0   | 100.0  | 105.0  | 110.0  | 115.0  | 120.0  | 125.0  | 130.0  |
| 0.0    | 0.00   | 0.00   | 6.89   | 0.00   | 5.44   | 0.00   | 0.00   | 0.00   | 0.00   |
| 22.5   | 0.00   | 1.45   | 2.18   | 0.00   | 0.00   | 0.00   | 12.69  | 0.00   | 2.18   |
| 45.0   | 0.00   | 6.89   | 0.00   | 2.90   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 67.5   | 1.45   | 0.00   | 0.00   | 2.18   | 0.00   | 0.00   | 0.00   | 0.00   | 5.44   |
| 90.0   | 0.00   | 0.36   | 0.00   | 0.00   | 3.26   | 0.00   | 0.00   | 0.00   | 0.00   |
| 112.5  | 0.00   | 0.00   | 6.16   | 1.45   | 0.00   | 0.00   | 6.16   | 1.09   | 0.00   |
| 135.0  | 0.00   | 1.09   | 6.53   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 157.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 5.44   | 0.00   | 0.00   |
| 180.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 2.18   | 0.00   | 0.00   |
| 202.5  | 0.00   | 0.00   | 1.09   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 225.0  | 0.00   | 3.26   | 0.00   | 0.36   | 0.00   | 1.09   | 0.00   | 0.00   | 1.81   |
| 247.5  | 0.00   | 0.00   | 0.00   | 2.54   | 0.00   | 0.00   | 0.00   | 0.00   | 6.16   |
| 270.0  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 6.89   | 0.00   | 0.00   | 2.90   |
| 292.5  | 0.00   | 0.00   | 0.00   | 7.25   | 0.00   | 0.00   | 5.08   | 0.00   | 0.00   |
| 315.0  | 4.71   | 0.00   | 2.90   | 0.00   | 0.00   | 0.00   | 0.00   | 7.61   | 0.00   |
| 337.5  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 1.45   | 0.00   | 0.00   | 0.36   |
| 360.0  | 0.00   | 0.00   | 6.89   | 0.00   | 5.44   | 0.00   | 0.00   | 0.00   | 0.00   |

## Intensity data(cd)

Appendix Page: 14 Total:14

| C/γ(°) | 135.0 | 140.0 | 145.0 | 150.0 | 155.0 | 160.0 | 165.0 | 170.0 | 175.0 |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0    | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 22.5   | 0.00  | 0.00  | 2.18  | 2.90  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 45.0   | 4.35  | 11.96 | 1.09  | 0.00  | 0.00  | 5.44  | 3.63  | 0.00  | 0.00  |
| 67.5   | 0.00  | 0.00  | 0.00  | 1.09  | 0.00  | 1.45  | 4.71  | 0.00  | 1.09  |
| 90.0   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.73  | 0.00  | 0.00  |
| 112.5  | 0.00  | 0.00  | 0.00  | 0.00  | 1.81  | 0.00  | 0.00  | 0.00  | 0.00  |
| 135.0  | 0.00  | 2.90  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| 157.5  | 0.00  | 0.73  | 3.26  | 0.00  | 0.00  | 0.00  | 0.00  | 3.26  | 0.00  |
| 180.0  | 0.00  | 4.35  | 0.00  | 0.00  | 0.00  | 0.00  | 7.61  | 0.00  | 0.00  |
| 202.5  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.73  | 0.00  | 2.18  | 0.00  |
| 225.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 5.80  | 0.00  | 0.00  |
| 247.5  | 0.00  | 0.00  | 0.00  | 0.00  | 1.09  | 3.99  | 0.00  | 4.71  | 0.00  |
| 270.0  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.73  | 0.73  | 0.00  | 0.00  |
| 292.5  | 0.00  | 0.00  | 1.09  | 0.36  | 0.00  | 11.96 | 0.00  | 0.00  | 0.00  |
| 315.0  | 0.00  | 0.00  | 0.73  | 0.00  | 0.00  | 0.00  | 1.81  | 0.00  | 0.00  |
| 337.5  | 0.00  | 1.45  | 0.00  | 0.00  | 0.00  | 1.09  | 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(°) | 180.0 |
|--------|-------|
| 0.0    | 0.00  |
| 22.5   | 0.00  |
| 45.0   | 0.00  |
| 67.5   | 0.00  |
| 90.0   | 0.36  |
| 112.5  | 0.00  |
| 135.0  | 0.00  |
| 157.5  | 0.00  |
| 180.0  | 0.00  |
| 202.5  | 0.00  |
| 225.0  | 0.00  |
| 247.5  | 0.00  |
| 270.0  | 0.36  |
| 292.5  | 0.00  |
| 315.0  | 0.00  |
| 337.5  | 0.00  |
| 360.0  | 0.00  |