

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	48.000 W
Luminaire	:	0003010030 48W 2200K 5424lm PF	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	5424.0 lm	:	Width : 348 mm
Number of Lamps	:	1	:	Length : 348 mm
Phm Type	:	C	:	Height : 0 mm

Photometric Results

Lumens(lm)	:	5424.00	Central intensity(cd)	:	1001.582
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1980.171
Luminous Efficacy(lm/W)	:	113.00	Angle of maximum intensity	:	C=0.0 γ =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 π solid angle :	:	79.438%			

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	1001.582	0.000	0	0.00%	0.00%
1.0	1001.582	0.958	0.958	0.02%	0.02%
2.0	1004.585	2.879	3.838	0.05%	0.07%
3.0	1004.213	4.804	8.642	0.09%	0.16%
4.0	1003.765	6.721	15.364	0.12%	0.28%
5.0	1004.101	8.638	24.001	0.16%	0.44%
6.0	1003.020	10.548	34.549	0.19%	0.64%
7.0	997.727	12.419	46.968	0.23%	0.87%
8.0	994.782	14.260	61.228	0.26%	1.13%
9.0	992.509	16.106	77.334	0.30%	1.43%
10.0	984.308	17.889	95.223	0.33%	1.76%
11.0	979.164	19.619	114.842	0.36%	2.12%
12.0	972.343	21.333	136.175	0.39%	2.51%
13.0	965.149	22.993	159.168	0.42%	2.93%
14.0	959.893	24.640	183.809	0.45%	3.39%
15.0	955.830	26.300	210.109	0.48%	3.87%
16.0	950.276	27.930	238.038	0.51%	4.39%
17.0	949.121	29.579	267.617	0.55%	4.93%
18.0	953.817	31.375	298.992	0.58%	5.51%
19.0	957.358	33.251	332.243	0.61%	6.13%
20.0	967.236	35.225	367.468	0.65%	6.77%
21.0	979.686	37.385	404.853	0.69%	7.46%
22.0	992.061	39.623	444.476	0.73%	8.19%
23.0	1005.443	41.913	486.389	0.77%	8.97%
24.0	1027.808	44.454	530.844	0.82%	9.79%
25.0	1051.365	47.276	578.119	0.87%	10.66%
26.0	1070.673	50.091	628.21	0.92%	11.58%
27.0	1098.965	53.081	681.291	0.98%	12.56%
28.0	1134.040	56.535	737.826	1.04%	13.60%
29.0	1165.462	60.161	797.987	1.11%	14.71%
30.0	1193.828	63.700	861.688	1.17%	15.89%
31.0	1221.933	67.227	928.915	1.24%	17.13%
32.0	1243.478	70.631	999.546	1.30%	18.43%
33.0	1259.916	73.751	1073.297	1.36%	19.79%
34.0	1283.511	76.972	1150.269	1.42%	21.21%
35.0	1307.515	80.468	1230.736	1.48%	22.69%
36.0	1320.860	83.688	1314.424	1.54%	24.23%
37.0	1334.651	86.608	1401.032	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	1356.457	89.826	1490.858	1.66%	27.49%
39.0	1374.349	93.210	1584.068	1.72%	29.20%
40.0	1395.968	96.619	1680.686	1.78%	30.99%
41.0	1414.009	100.062	1780.748	1.84%	32.83%
42.0	1437.678	103.607	1884.355	1.91%	34.74%
43.0	1461.459	107.392	1991.748	1.98%	36.72%
44.0	1483.824	111.163	2102.911	2.05%	38.77%
45.0	1505.741	114.892	2217.803	2.12%	40.89%
46.0	1527.063	118.606	2336.41	2.19%	43.08%
47.0	1544.470	122.163	2458.572	2.25%	45.33%
48.0	1566.424	125.759	2584.331	2.32%	47.65%
49.0	1589.236	129.589	2713.92	2.39%	50.04%
50.0	1609.551	133.368	2847.288	2.46%	52.49%
51.0	1627.331	136.948	2984.236	2.52%	55.02%
52.0	1641.085	140.250	3124.486	2.59%	57.60%
53.0	1653.758	143.325	3267.811	2.64%	60.25%
54.0	1661.586	146.127	3413.938	2.69%	62.94%
55.0	1659.797	148.261	3562.199	2.73%	65.67%
56.0	1652.566	149.676	3711.875	2.76%	68.43%
57.0	1640.414	150.563	3862.438	2.78%	71.21%
58.0	1614.583	150.523	4012.96	2.78%	73.99%
59.0	1579.060	149.305	4162.265	2.75%	76.74%
60.0	1521.434	146.478	4308.743	2.70%	79.44%
61.0	1446.065	141.615	4450.358	2.61%	82.05%
62.0	1357.389	135.087	4585.445	2.49%	84.54%
63.0	1245.715	126.602	4712.048	2.33%	86.87%
64.0	1135.233	116.832	4828.88	2.15%	89.03%
65.0	1015.321	106.429	4935.309	1.96%	90.99%
66.0	887.357	94.931	5030.241	1.75%	92.74%
67.0	748.845	82.273	5112.513	1.52%	94.26%
68.0	621.925	69.439	5181.952	1.28%	95.54%
69.0	495.453	57.003	5238.955	1.05%	96.59%
70.0	362.607	44.068	5283.024	0.81%	97.40%
71.0	266.699	32.526	5315.55	0.60%	98.00%
72.0	198.338	24.181	5339.73	0.45%	98.45%
73.0	128.038	17.067	5356.797	0.31%	98.76%
74.0	90.913	11.511	5368.308	0.21%	98.97%
75.0	67.616	8.376	5376.684	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	53.377	6.423	5383.107	0.12%	99.25%
77.0	43.761	5.179	5388.286	0.10%	99.34%
78.0	38.542	4.406	5392.692	0.08%	99.42%
79.0	34.330	3.915	5396.607	0.07%	99.50%
80.0	29.894	3.462	5400.069	0.06%	99.56%
81.0	26.391	3.044	5403.113	0.06%	99.61%
82.0	23.334	2.696	5405.81	0.05%	99.66%
83.0	20.166	2.365	5408.174	0.04%	99.71%
84.0	17.258	2.039	5410.213	0.04%	99.75%
85.0	15.096	1.766	5411.979	0.03%	99.78%
86.0	12.785	1.524	5413.503	0.03%	99.81%
87.0	10.512	1.275	5414.778	0.02%	99.83%
88.0	8.648	1.050	5415.828	0.02%	99.85%
89.0	7.082	0.862	5416.69	0.02%	99.87%
90.0	5.553	0.693	5417.382	0.01%	99.88%
91.0	4.659	0.560	5417.942	0.01%	99.89%
92.0	3.802	0.464	5418.406	0.01%	99.90%
93.0	3.392	0.394	5418.8	0.01%	99.90%
94.0	3.131	0.357	5419.157	0.01%	99.91%
95.0	2.981	0.334	5419.491	0.01%	99.92%
96.0	2.907	0.321	5419.813	0.01%	99.92%
97.0	2.721	0.307	5420.119	0.01%	99.93%
98.0	2.572	0.288	5420.407	0.01%	99.93%
99.0	2.460	0.273	5420.68	0.01%	99.94%
100.0	2.423	0.264	5420.944	0.00%	99.94%
101.0	2.162	0.247	5421.191	0.00%	99.95%
102.0	1.976	0.222	5421.413	0.00%	99.95%
103.0	1.864	0.206	5421.619	0.00%	99.96%
104.0	1.640	0.187	5421.806	0.00%	99.96%
105.0	1.491	0.166	5421.972	0.00%	99.96%
106.0	1.379	0.152	5422.124	0.00%	99.97%
107.0	1.342	0.143	5422.267	0.00%	99.97%
108.0	1.230	0.134	5422.401	0.00%	99.97%
109.0	1.043	0.118	5422.519	0.00%	99.97%
110.0	1.006	0.106	5422.625	0.00%	99.97%
111.0	0.895	0.098	5422.723	0.00%	99.98%
112.0	0.857	0.089	5422.812	0.00%	99.98%
113.0	0.708	0.079	5422.892	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	0.633	0.067	5422.959	0.00%	99.98%
115.0	0.596	0.061	5423.02	0.00%	99.98%
116.0	0.596	0.059	5423.079	0.00%	99.98%
117.0	0.522	0.055	5423.134	0.00%	99.98%
118.0	0.522	0.051	5423.185	0.00%	99.99%
119.0	0.484	0.048	5423.233	0.00%	99.99%
120.0	0.484	0.046	5423.28	0.00%	99.99%
121.0	0.447	0.044	5423.324	0.00%	99.99%
122.0	0.447	0.042	5423.366	0.00%	99.99%
123.0	0.447	0.041	5423.407	0.00%	99.99%
124.0	0.447	0.041	5423.448	0.00%	99.99%
125.0	0.447	0.040	5423.488	0.00%	99.99%
126.0	0.447	0.040	5423.528	0.00%	99.99%
127.0	0.447	0.039	5423.567	0.00%	99.99%
128.0	0.447	0.039	5423.606	0.00%	99.99%
129.0	0.410	0.037	5423.643	0.00%	99.99%
130.0	0.410	0.035	5423.678	0.00%	99.99%
131.0	0.410	0.034	5423.712	0.00%	99.99%
132.0	0.410	0.034	5423.746	0.00%	100.00%
133.0	0.335	0.030	5423.776	0.00%	100.00%
134.0	0.335	0.027	5423.802	0.00%	100.00%
135.0	0.372	0.028	5423.83	0.00%	100.00%
136.0	0.410	0.030	5423.86	0.00%	100.00%
137.0	0.410	0.031	5423.891	0.00%	100.00%
138.0	0.372	0.029	5423.92	0.00%	100.00%
139.0	0.260	0.023	5423.943	0.00%	100.00%
140.0	0.260	0.019	5423.962	0.00%	100.00%
141.0	0.186	0.016	5423.977	0.00%	100.00%
142.0	0.112	0.010	5423.987	0.00%	100.00%
143.0	0.037	0.005	5423.992	0.00%	100.00%
144.0	0.037	0.002	5423.995	0.00%	100.00%
145.0	0.000	0.001	5423.996	0.00%	100.00%
146.0	0.000	0.000	5423.996	0.00%	100.00%
147.0	0.000	0.000	5423.996	0.00%	100.00%
148.0	0.000	0.000	5423.996	0.00%	100.00%
149.0	0.000	0.000	5423.996	0.00%	100.00%
150.0	0.000	0.000	5423.996	0.00%	100.00%
151.0	0.000	0.000	5423.996	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	5423.996	0.00%	100.00%
153.0	0.000	0.000	5423.996	0.00%	100.00%
154.0	0.000	0.000	5423.996	0.00%	100.00%
155.0	0.000	0.000	5423.996	0.00%	100.00%
156.0	0.000	0.000	5423.996	0.00%	100.00%
157.0	0.000	0.000	5423.996	0.00%	100.00%
158.0	0.000	0.000	5423.996	0.00%	100.00%
159.0	0.000	0.000	5423.996	0.00%	100.00%
160.0	0.000	0.000	5423.996	0.00%	100.00%
161.0	0.000	0.000	5423.996	0.00%	100.00%
162.0	0.000	0.000	5423.996	0.00%	100.00%
163.0	0.000	0.000	5423.996	0.00%	100.00%
164.0	0.000	0.000	5423.996	0.00%	100.00%
165.0	0.000	0.000	5423.996	0.00%	100.00%
166.0	0.000	0.000	5423.996	0.00%	100.00%
167.0	0.000	0.000	5423.996	0.00%	100.00%
168.0	0.000	0.000	5423.996	0.00%	100.00%
169.0	0.000	0.000	5423.996	0.00%	100.00%
170.0	0.000	0.000	5423.996	0.00%	100.00%
171.0	0.000	0.000	5423.996	0.00%	100.00%
172.0	0.000	0.000	5423.996	0.00%	100.00%
173.0	0.000	0.000	5423.996	0.00%	100.00%
174.0	0.000	0.000	5423.996	0.00%	100.00%
175.0	0.000	0.000	5423.996	0.00%	100.00%
176.0	0.000	0.000	5423.996	0.00%	100.00%
177.0	0.000	0.000	5423.996	0.00%	100.00%
178.0	0.000	0.000	5423.996	0.00%	100.00%
179.0	0.000	0.000	5423.996	0.00%	100.00%
180.0	0.000	0.000	5423.996	0.00%	100.00%

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

Date:
Humidity(%): 56%

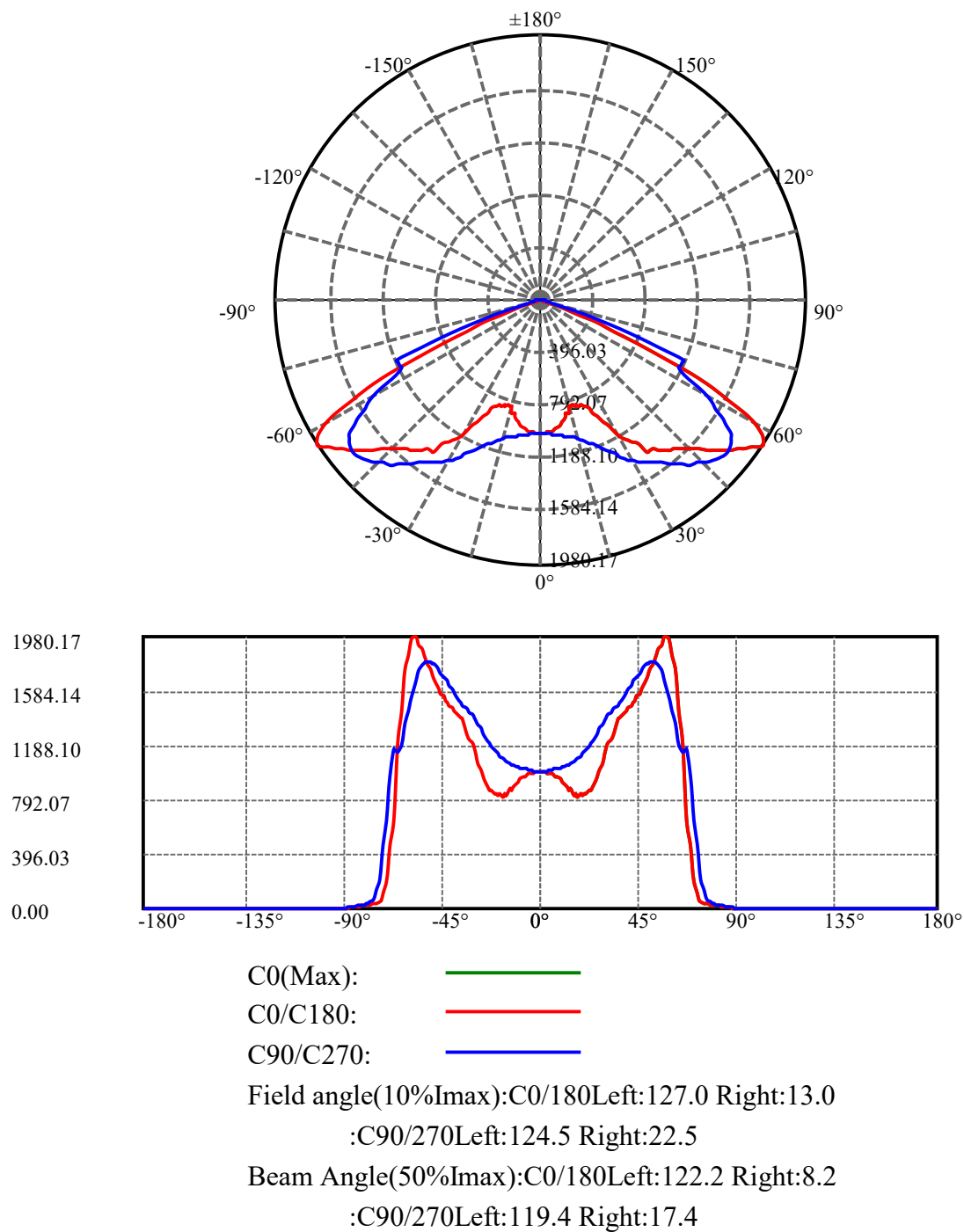
Operator: LSC

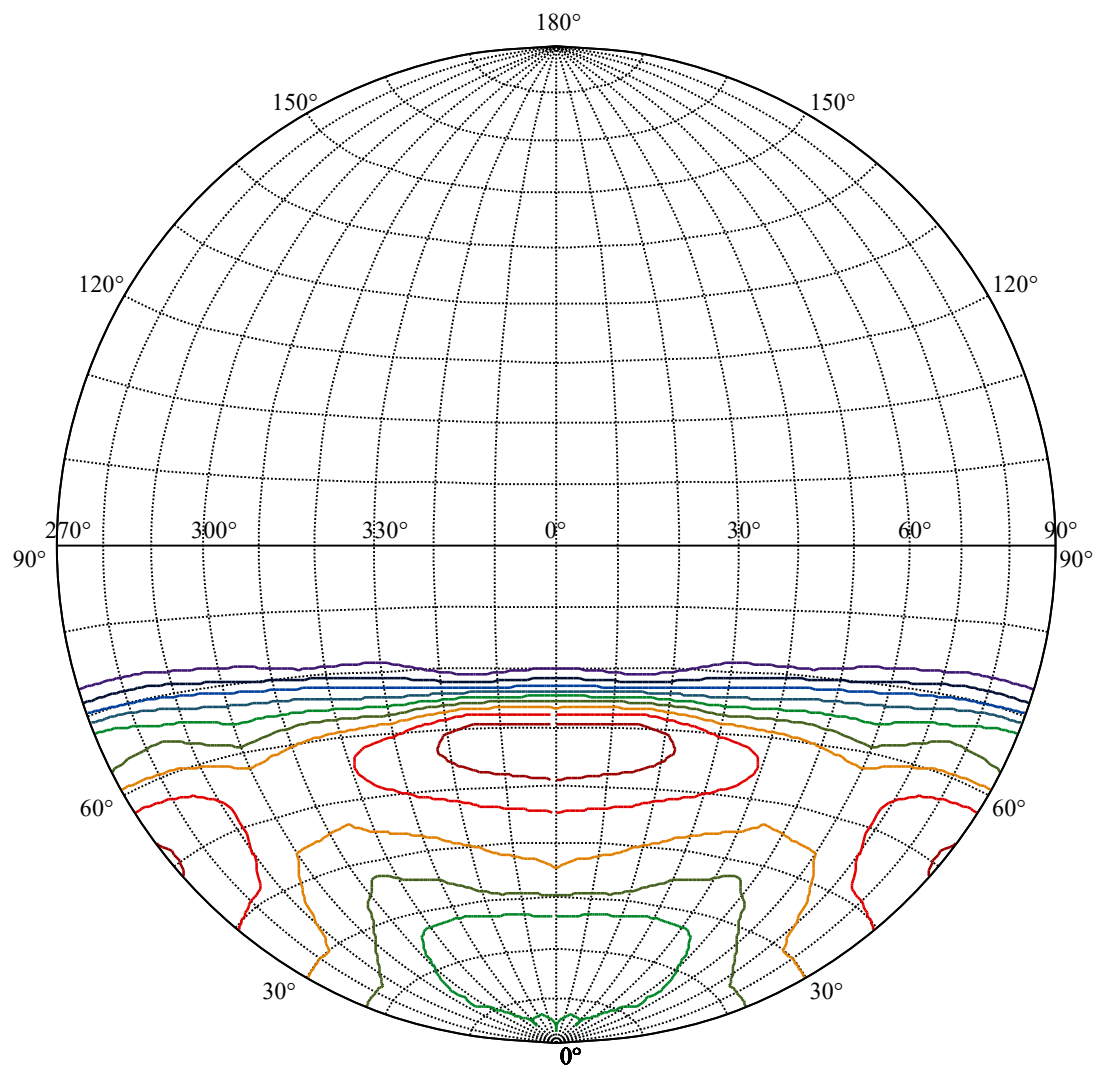
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	861.69	15.89%	15.89%
0-40	1680.69	30.99%	30.99%
0-60	4308.74	79.44%	79.44%
0-90	5417.38	99.88%	99.88%
0-120	5423.28	99.99%	99.99%
0-180	5424.00	100.00%	100.00%
60-90	1108.64	20.44%	20.44%
90-120	5.90	0.11%	0.11%
90-130	6.30	0.12%	0.12%
90-150	6.61	0.12%	0.12%
90-180	6.61	0.12%	0.12%
0-60.22	4339.20	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	95.22
10-20	272.25
20-30	494.22
30-40	819.00
40-50	1166.60
50-60	1461.46
60-70	974.28
70-80	117.05
80-90	17.31
90-100	3.56
100-110	1.68
110-120	0.65
120-130	0.40
130-140	0.28
140-150	0.03
150-160	0.00
160-170	0.00
170-180	0.00



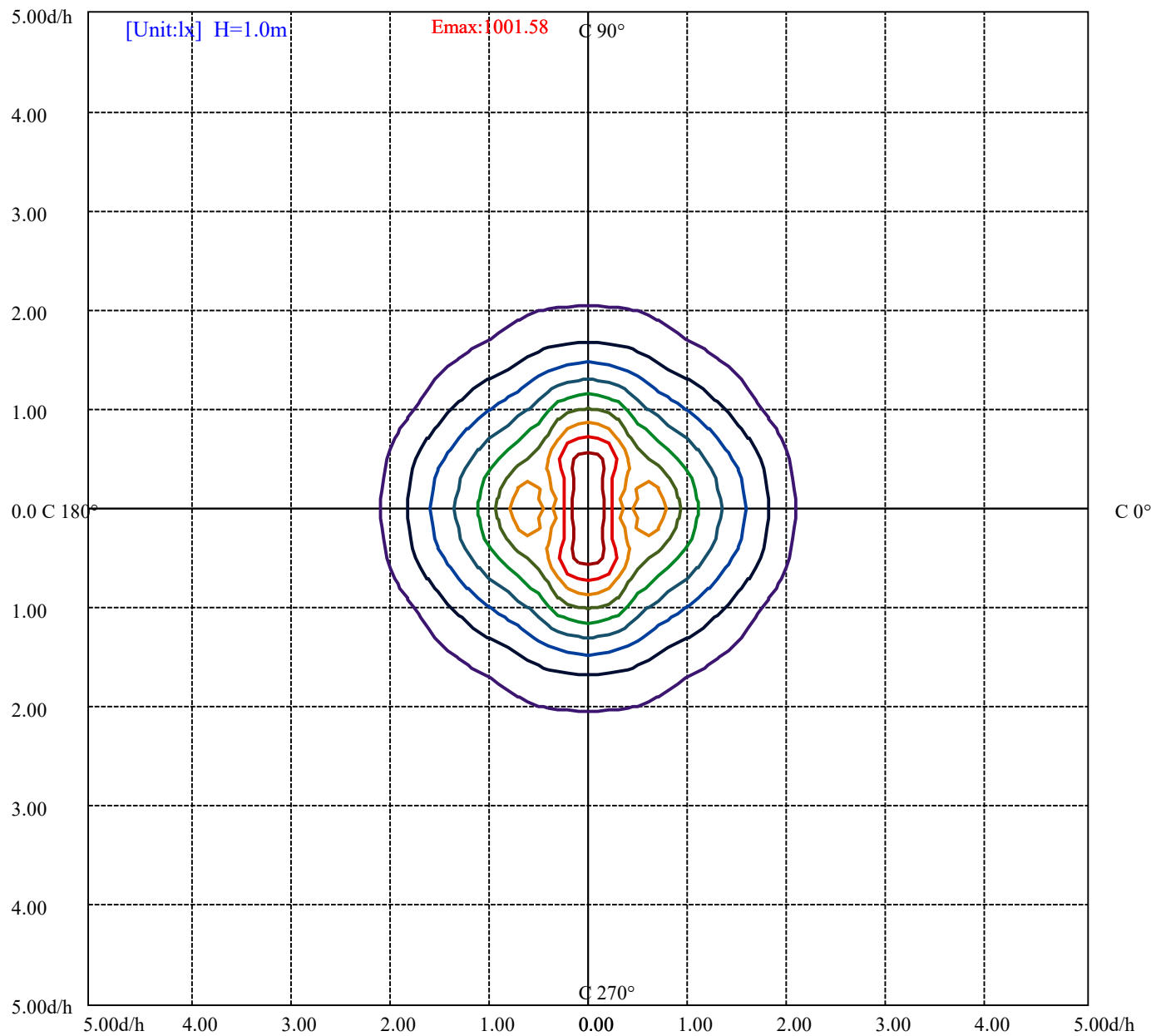


House

[Unit:cd]

Road

Imax:1980.17	
(10%Imax) 198.017	
(20%Imax) 396.034	
(30%Imax) 594.051	
(40%Imax) 792.068	
(50%Imax) 990.086	
(60%Imax) 1188.1	
(70%Imax) 1386.12	
(80%Imax) 1584.14	
(90%Imax) 1782.15	



(10%Emax)	100.158	
(20%Emax)	200.316	
(30%Emax)	300.475	
(40%Emax)	400.633	
(50%Emax)	500.791	
(60%Emax)	600.949	
(70%Emax)	701.107	
(80%Emax)	801.266	
(90%Emax)	901.424	

Intensity data(cd)

Appendix Page: 11 Total:21

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1001.58	1001.58	995.68	987.63	988.52	987.63	976.44	962.58	954.97
15.0	1001.58	1001.58	1003.95	1006.86	1006.86	1005.52	997.02	988.52	978.90
30.0	1001.58	1001.58	998.58	996.80	992.32	989.19	989.86	976.44	976.22
45.0	1001.58	1001.58	1012.90	1012.67	1010.21	1011.11	1013.12	1007.53	994.11
60.0	1001.58	1001.58	997.02	996.80	998.14	999.93	1000.82	998.58	1003.06
75.0	1001.58	1001.58	1018.27	1018.49	1019.38	1019.83	1021.62	1024.97	1027.66
90.0	1001.58	1001.58	997.91	999.70	1002.83	1010.44	1014.91	1018.04	1022.52
105.0	1001.58	1001.58	1018.27	1018.49	1019.38	1019.83	1021.62	1024.97	1027.66
120.0	1001.58	1001.58	997.02	996.80	998.14	999.93	1000.82	998.58	1003.06
135.0	1001.58	1001.58	1012.90	1012.67	1010.21	1011.11	1013.12	1007.53	994.11
150.0	1001.58	1001.58	998.58	996.80	992.32	989.19	989.86	976.44	976.22
165.0	1001.58	1001.58	1003.95	1006.86	1006.86	1005.52	997.02	988.52	978.90
180.0	1001.58	1001.58	995.68	987.63	988.52	987.63	976.44	962.58	954.97
195.0	1001.58	1001.58	1003.95	1006.86	1006.86	1005.52	997.02	988.52	978.90
210.0	1001.58	1001.58	998.58	996.80	992.32	989.19	989.86	976.44	976.22
225.0	1001.58	1001.58	1012.90	1012.67	1010.21	1011.11	1013.12	1007.53	994.11
240.0	1001.58	1001.58	997.02	996.80	998.14	999.93	1000.82	998.58	1003.06
255.0	1001.58	1001.58	1018.27	1018.49	1019.38	1019.83	1021.62	1024.97	1027.66
270.0	1001.58	1001.58	997.91	999.70	1002.83	1010.44	1014.91	1018.04	1022.52
285.0	1001.58	1001.58	1018.27	1018.49	1019.38	1019.83	1021.62	1024.97	1027.66
300.0	1001.58	1001.58	997.02	996.80	998.14	999.93	1000.82	998.58	1003.06
315.0	1001.58	1001.58	1012.90	1012.67	1010.21	1011.11	1013.12	1007.53	994.11
330.0	1001.58	1001.58	998.58	996.80	992.32	989.19	989.86	976.44	976.22
345.0	1001.58	1001.58	1003.95	1006.86	1006.86	1005.52	997.02	988.52	978.90
360.0	1001.58	1001.58	995.68	987.63	988.52	987.63	976.44	962.58	954.97
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	943.79	920.98	914.27	891.46	865.96	869.99	826.60	830.63	816.76
15.0	971.30	948.49	931.94	915.84	886.54	853.44	843.82	824.59	811.62
30.0	969.29	954.53	941.11	935.29	924.33	914.05	903.76	880.95	868.42
45.0	992.55	986.96	985.39	969.06	968.39	961.01	952.29	938.65	935.96
60.0	1005.52	1004.40	1003.06	1001.94	1001.49	1009.99	1012.00	1014.46	1021.62
75.0	1031.46	1035.49	1038.39	1045.33	1052.71	1057.40	1073.51	1086.03	1099.45
90.0	1026.09	1031.01	1035.93	1041.75	1048.91	1056.96	1072.61	1083.35	1098.55
105.0	1031.46	1035.49	1038.39	1045.33	1052.71	1057.40	1073.51	1086.03	1099.45
120.0	1005.52	1004.40	1003.06	1001.94	1001.49	1009.99	1012.00	1014.46	1021.62
135.0	992.55	986.96	985.39	969.06	968.39	961.01	952.29	938.65	935.96
150.0	969.29	954.53	941.11	935.29	924.33	914.05	903.76	880.95	868.42
165.0	971.30	948.49	931.94	915.84	886.54	853.44	843.82	824.59	811.62
180.0	943.79	920.98	914.27	891.46	865.96	869.99	826.60	830.63	816.76
195.0	971.30	948.49	931.94	915.84	886.54	853.44	843.82	824.59	811.62
210.0	969.29	954.53	941.11	935.29	924.33	914.05	903.76	880.95	868.42
225.0	992.55	986.96	985.39	969.06	968.39	961.01	952.29	938.65	935.96
240.0	1005.52	1004.40	1003.06	1001.94	1001.49	1009.99	1012.00	1014.46	1021.62
255.0	1031.46	1035.49	1038.39	1045.33	1052.71	1057.40	1073.51	1086.03	1099.45
270.0	1026.09	1031.01	1035.93	1041.75	1048.91	1056.96	1072.61	1083.35	1098.55
285.0	1031.46	1035.49	1038.39	1045.33	1052.71	1057.40	1073.51	1086.03	1099.45
300.0	1005.52	1004.40	1003.06	1001.94	1001.49	1009.99	1012.00	1014.46	1021.62
315.0	992.55	986.96	985.39	969.06	968.39	961.01	952.29	938.65	935.96
330.0	969.29	954.53	941.11	935.29	924.33	914.05	903.76	880.95	868.42
345.0	971.30	948.49	931.94	915.84	886.54	853.44	843.82	824.59	811.62
360.0	943.79	920.98	914.27	891.46	865.96	869.99	826.60	830.63	816.76

Intensity data(cd)

Appendix Page: 12 Total:21

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	837.33	823.47	842.25	840.91	862.83	859.70	886.99	929.48	974.65
15.0	804.91	802.22	815.19	835.55	835.99	854.56	892.35	931.27	938.87
30.0	859.25	856.35	853.21	858.80	862.16	878.26	897.50	908.46	927.91
45.0	939.99	943.12	944.69	948.71	954.97	952.07	961.01	978.68	991.20
60.0	1030.57	1039.06	1052.04	1067.92	1093.86	1113.32	1132.10	1145.52	1156.70
75.0	1113.54	1128.08	1145.07	1165.87	1183.99	1204.12	1229.17	1250.41	1281.05
90.0	1111.97	1127.18	1144.18	1161.62	1179.96	1200.99	1222.46	1258.24	1281.95
105.0	1113.54	1128.08	1145.07	1165.87	1183.99	1204.12	1229.17	1250.41	1281.05
120.0	1030.57	1039.06	1052.04	1067.92	1093.86	1113.32	1132.10	1145.52	1156.70
135.0	939.99	943.12	944.69	948.71	954.97	952.07	961.01	978.68	991.20
150.0	859.25	856.35	853.21	858.80	862.16	878.26	897.50	908.46	927.91
165.0	804.91	802.22	815.19	835.55	835.99	854.56	892.35	931.27	938.87
180.0	837.33	823.47	842.25	840.91	862.83	859.70	886.99	929.48	974.65
195.0	804.91	802.22	815.19	835.55	835.99	854.56	892.35	931.27	938.87
210.0	859.25	856.35	853.21	858.80	862.16	878.26	897.50	908.46	927.91
225.0	939.99	943.12	944.69	948.71	954.97	952.07	961.01	978.68	991.20
240.0	1030.57	1039.06	1052.04	1067.92	1093.86	1113.32	1132.10	1145.52	1156.70
255.0	1113.54	1128.08	1145.07	1165.87	1183.99	1204.12	1229.17	1250.41	1281.05
270.0	1111.97	1127.18	1144.18	1161.62	1179.96	1200.99	1222.46	1258.24	1281.95
285.0	1113.54	1128.08	1145.07	1165.87	1183.99	1204.12	1229.17	1250.41	1281.05
300.0	1030.57	1039.06	1052.04	1067.92	1093.86	1113.32	1132.10	1145.52	1156.70
315.0	939.99	943.12	944.69	948.71	954.97	952.07	961.01	978.68	991.20
330.0	859.25	856.35	853.21	858.80	862.16	878.26	897.50	908.46	927.91
345.0	804.91	802.22	815.19	835.55	835.99	854.56	892.35	931.27	938.87
360.0	837.33	823.47	842.25	840.91	862.83	859.70	886.99	929.48	974.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1014.46	1062.32	1117.34	1171.46	1206.80	1230.51	1256.90	1297.15	1382.59
15.0	987.63	1032.80	1094.31	1139.48	1186.67	1236.77	1269.42	1306.77	1324.44
30.0	961.24	999.93	1025.87	1050.25	1092.52	1109.07	1131.88	1166.99	1197.63
45.0	1001.72	1043.09	1058.30	1077.76	1096.77	1105.71	1111.08	1124.95	1148.88
60.0	1173.03	1197.63	1213.29	1231.63	1242.58	1255.33	1260.25	1274.34	1283.96
75.0	1303.86	1329.36	1360.89	1384.15	1404.50	1424.86	1435.14	1446.77	1459.07
90.0	1318.18	1340.54	1362.91	1387.95	1410.32	1427.76	1446.55	1465.34	1479.65
105.0	1303.86	1329.36	1360.89	1384.15	1404.50	1424.86	1435.14	1446.77	1459.07
120.0	1173.03	1197.63	1213.29	1231.63	1242.58	1255.33	1260.25	1274.34	1283.96
135.0	1001.72	1043.09	1058.30	1077.76	1096.77	1105.71	1111.08	1124.95	1148.88
150.0	961.24	999.93	1025.87	1050.25	1092.52	1109.07	1131.88	1166.99	1197.63
165.0	987.63	1032.80	1094.31	1139.48	1186.67	1236.77	1269.42	1306.77	1324.44
180.0	1014.46	1062.32	1117.34	1171.46	1206.80	1230.51	1256.90	1297.15	1382.59
195.0	987.63	1032.80	1094.31	1139.48	1186.67	1236.77	1269.42	1306.77	1324.44
210.0	961.24	999.93	1025.87	1050.25	1092.52	1109.07	1131.88	1166.99	1197.63
225.0	1001.72	1043.09	1058.30	1077.76	1096.77	1105.71	1111.08	1124.95	1148.88
240.0	1173.03	1197.63	1213.29	1231.63	1242.58	1255.33	1260.25	1274.34	1283.96
255.0	1303.86	1329.36	1360.89	1384.15	1404.50	1424.86	1435.14	1446.77	1459.07
270.0	1318.18	1340.54	1362.91	1387.95	1410.32	1427.76	1446.55	1465.34	1479.65
285.0	1303.86	1329.36	1360.89	1384.15	1404.50	1424.86	1435.14	1446.77	1459.07
300.0	1173.03	1197.63	1213.29	1231.63	1242.58	1255.33	1260.25	1274.34	1283.96
315.0	1001.72	1043.09	1058.30	1077.76	1096.77	1105.71	1111.08	1124.95	1148.88
330.0	961.24	999.93	1025.87	1050.25	1092.52	1109.07	1131.88	1166.99	1197.63
345.0	987.63	1032.80	1094.31	1139.48	1186.67	1236.77	1269.42	1306.77	1324.44
360.0	1014.46	1062.32	1117.34	1171.46	1206.80	1230.51	1256.90	1297.15	1382.59

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	1390.64	1396.45	1425.08	1441.63	1466.68	1480.10	1495.75	1518.56	1545.40
15.0	1338.30	1358.66	1374.09	1390.19	1408.08	1432.24	1452.14	1476.74	1501.57
30.0	1217.54	1244.82	1274.34	1298.72	1326.90	1350.38	1369.84	1394.89	1417.03
45.0	1167.21	1173.92	1204.79	1214.18	1239.45	1252.65	1283.73	1319.52	1350.38
60.0	1281.05	1282.84	1286.64	1306.55	1321.75	1331.37	1350.83	1368.50	1382.59
75.0	1477.19	1492.17	1512.75	1530.64	1549.43	1568.44	1593.93	1612.72	1634.64
90.0	1497.09	1514.54	1547.19	1570.00	1593.71	1617.86	1655.44	1674.22	1688.09
105.0	1477.19	1492.17	1512.75	1530.64	1549.43	1568.44	1593.93	1612.72	1634.64
120.0	1281.05	1282.84	1286.64	1306.55	1321.75	1331.37	1350.83	1368.50	1382.59
135.0	1167.21	1173.92	1204.79	1214.18	1239.45	1252.65	1283.73	1319.52	1350.38
150.0	1217.54	1244.82	1274.34	1298.72	1326.90	1350.38	1369.84	1394.89	1417.03
165.0	1338.30	1358.66	1374.09	1390.19	1408.08	1432.24	1452.14	1476.74	1501.57
180.0	1390.64	1396.45	1425.08	1441.63	1466.68	1480.10	1495.75	1518.56	1545.40
195.0	1338.30	1358.66	1374.09	1390.19	1408.08	1432.24	1452.14	1476.74	1501.57
210.0	1217.54	1244.82	1274.34	1298.72	1326.90	1350.38	1369.84	1394.89	1417.03
225.0	1167.21	1173.92	1204.79	1214.18	1239.45	1252.65	1283.73	1319.52	1350.38
240.0	1281.05	1282.84	1286.64	1306.55	1321.75	1331.37	1350.83	1368.50	1382.59
255.0	1477.19	1492.17	1512.75	1530.64	1549.43	1568.44	1593.93	1612.72	1634.64
270.0	1497.09	1514.54	1547.19	1570.00	1593.71	1617.86	1655.44	1674.22	1688.09
285.0	1477.19	1492.17	1512.75	1530.64	1549.43	1568.44	1593.93	1612.72	1634.64
300.0	1281.05	1282.84	1286.64	1306.55	1321.75	1331.37	1350.83	1368.50	1382.59
315.0	1167.21	1173.92	1204.79	1214.18	1239.45	1252.65	1283.73	1319.52	1350.38
330.0	1217.54	1244.82	1274.34	1298.72	1326.90	1350.38	1369.84	1394.89	1417.03
345.0	1338.30	1358.66	1374.09	1390.19	1408.08	1432.24	1452.14	1476.74	1501.57
360.0	1390.64	1396.45	1425.08	1441.63	1466.68	1480.10	1495.75	1518.56	1545.40

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1566.87	1600.87	1626.81	1672.88	1705.53	1740.87	1778.44	1816.01	1854.48
15.0	1528.63	1560.83	1592.37	1616.52	1652.98	1697.48	1728.12	1757.64	1786.05
30.0	1444.54	1474.28	1500.00	1524.83	1563.74	1585.21	1616.30	1642.02	1663.04
45.0	1370.29	1381.92	1389.74	1415.69	1431.12	1455.50	1480.32	1497.32	1508.72
60.0	1400.48	1408.08	1415.46	1429.11	1443.87	1452.59	1456.17	1456.61	1464.89
75.0	1652.08	1668.86	1679.37	1686.97	1696.59	1698.15	1695.25	1687.64	1680.26
90.0	1710.01	1735.95	1752.95	1778.00	1788.73	1795.89	1797.23	1794.54	1784.70
105.0	1652.08	1668.86	1679.37	1686.97	1696.59	1698.15	1695.25	1687.64	1680.26
120.0	1400.48	1408.08	1415.46	1429.11	1443.87	1452.59	1456.17	1456.61	1464.89
135.0	1370.29	1381.92	1389.74	1415.69	1431.12	1455.50	1480.32	1497.32	1508.72
150.0	1444.54	1474.28	1500.00	1524.83	1563.74	1585.21	1616.30	1642.02	1663.04
165.0	1528.63	1560.83	1592.37	1616.52	1652.98	1697.48	1728.12	1757.64	1786.05
180.0	1566.87	1600.87	1626.81	1672.88	1705.53	1740.87	1778.44	1816.01	1854.48
195.0	1528.63	1560.83	1592.37	1616.52	1652.98	1697.48	1728.12	1757.64	1786.05
210.0	1444.54	1474.28	1500.00	1524.83	1563.74	1585.21	1616.30	1642.02	1663.04
225.0	1370.29	1381.92	1389.74	1415.69	1431.12	1455.50	1480.32	1497.32	1508.72
240.0	1400.48	1408.08	1415.46	1429.11	1443.87	1452.59	1456.17	1456.61	1464.89
255.0	1652.08	1668.86	1679.37	1686.97	1696.59	1698.15	1695.25	1687.64	1680.26
270.0	1710.01	1735.95	1752.95	1778.00	1788.73	1795.89	1797.23	1794.54	1784.70
285.0	1652.08	1668.86	1679.37	1686.97	1696.59	1698.15	1695.25	1687.64	1680.26
300.0	1400.48	1408.08	1415.46	1429.11	1443.87	1452.59	1456.17	1456.61	1464.89
315.0	1370.29	1381.92	1389.74	1415.69	1431.12	1455.50	1480.32	1497.32	1508.72
330.0	1444.54	1474.28	1500.00	1524.83	1563.74	1585.21	1616.30	1642.02	1663.04
345.0	1528.63	1560.83	1592.37	1616.52	1652.98	1697.48	1728.12	1757.64	1786.05
360.0	1566.87	1600.87	1626.81	1672.88	1705.53	1740.87	1778.44	1816.01	1854.48

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	1890.27	1922.92	1961.83	1980.17	1962.73	1922.47	1850.46	1744.45	1605.34
15.0	1816.69	1843.30	1864.99	1884.45	1889.37	1890.94	1841.96	1775.53	1673.33
30.0	1678.92	1684.29	1685.63	1677.35	1652.53	1613.17	1551.22	1470.70	1332.49
45.0	1517.22	1519.23	1514.99	1507.61	1497.76	1467.80	1424.63	1345.46	1273.00
60.0	1464.67	1453.71	1434.47	1408.31	1372.97	1321.75	1270.99	1187.79	1126.73
75.0	1663.49	1627.03	1594.60	1559.49	1518.79	1471.15	1397.12	1346.80	1304.09
90.0	1766.81	1739.53	1679.59	1630.39	1549.43	1496.65	1434.92	1355.75	1264.05
105.0	1663.49	1627.03	1594.60	1559.49	1518.79	1471.15	1397.12	1346.80	1304.09
120.0	1464.67	1453.71	1434.47	1408.31	1372.97	1321.75	1270.99	1187.79	1126.73
135.0	1517.22	1519.23	1514.99	1507.61	1497.76	1467.80	1424.63	1345.46	1273.00
150.0	1678.92	1684.29	1685.63	1677.35	1652.53	1613.17	1551.22	1470.70	1332.49
165.0	1816.69	1843.30	1864.99	1884.45	1889.37	1890.94	1841.96	1775.53	1673.33
180.0	1890.27	1922.92	1961.83	1980.17	1962.73	1922.47	1850.46	1744.45	1605.34
195.0	1816.69	1843.30	1864.99	1884.45	1889.37	1890.94	1841.96	1775.53	1673.33
210.0	1678.92	1684.29	1685.63	1677.35	1652.53	1613.17	1551.22	1470.70	1332.49
225.0	1517.22	1519.23	1514.99	1507.61	1497.76	1467.80	1424.63	1345.46	1273.00
240.0	1464.67	1453.71	1434.47	1408.31	1372.97	1321.75	1270.99	1187.79	1126.73
255.0	1663.49	1627.03	1594.60	1559.49	1518.79	1471.15	1397.12	1346.80	1304.09
270.0	1766.81	1739.53	1679.59	1630.39	1549.43	1496.65	1434.92	1355.75	1264.05
285.0	1663.49	1627.03	1594.60	1559.49	1518.79	1471.15	1397.12	1346.80	1304.09
300.0	1464.67	1453.71	1434.47	1408.31	1372.97	1321.75	1270.99	1187.79	1126.73
315.0	1517.22	1519.23	1514.99	1507.61	1497.76	1467.80	1424.63	1345.46	1273.00
330.0	1678.92	1684.29	1685.63	1677.35	1652.53	1613.17	1551.22	1470.70	1332.49
345.0	1816.69	1843.30	1864.99	1884.45	1889.37	1890.94	1841.96	1775.53	1673.33
360.0	1890.27	1922.92	1961.83	1980.17	1962.73	1922.47	1850.46	1744.45	1605.34
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1442.52	1257.34	1060.53	776.95	601.16	450.43	309.53	194.57	113.61
15.0	1479.20	1285.75	1059.87	819.22	532.95	338.60	190.77	82.97	63.29
30.0	1182.87	1050.92	886.76	763.76	648.80	541.67	404.35	319.14	222.98
45.0	1186.90	1068.59	965.48	859.03	750.78	637.62	483.08	348.89	212.24
60.0	1059.87	1003.51	949.83	883.85	793.72	689.06	587.30	438.13	345.31
75.0	1249.96	1199.20	1124.95	1030.57	893.92	822.57	749.00	570.52	463.40
90.0	1188.46	1149.55	1149.55	1158.49	1144.63	953.63	806.92	637.39	472.34
105.0	1249.96	1199.20	1124.95	1030.57	893.92	822.57	749.00	570.52	463.40
120.0	1059.87	1003.51	949.83	883.85	793.72	689.06	587.30	438.13	345.31
135.0	1186.90	1068.59	965.48	859.03	750.78	637.62	483.08	348.89	212.24
150.0	1182.87	1050.92	886.76	763.76	648.80	541.67	404.35	319.14	222.98
165.0	1479.20	1285.75	1059.87	819.22	532.95	338.60	190.77	82.97	63.29
180.0	1442.52	1257.34	1060.53	776.95	601.16	450.43	309.53	194.57	113.61
195.0	1479.20	1285.75	1059.87	819.22	532.95	338.60	190.77	82.97	63.29
210.0	1182.87	1050.92	886.76	763.76	648.80	541.67	404.35	319.14	222.98
225.0	1186.90	1068.59	965.48	859.03	750.78	637.62	483.08	348.89	212.24
240.0	1059.87	1003.51	949.83	883.85	793.72	689.06	587.30	438.13	345.31
255.0	1249.96	1199.20	1124.95	1030.57	893.92	822.57	749.00	570.52	463.40
270.0	1188.46	1149.55	1149.55	1158.49	1144.63	953.63	806.92	637.39	472.34
285.0	1249.96	1199.20	1124.95	1030.57	893.92	822.57	749.00	570.52	463.40
300.0	1059.87	1003.51	949.83	883.85	793.72	689.06	587.30	438.13	345.31
315.0	1186.90	1068.59	965.48	859.03	750.78	637.62	483.08	348.89	212.24
330.0	1182.87	1050.92	886.76	763.76	648.80	541.67	404.35	319.14	222.98
345.0	1479.20	1285.75	1059.87	819.22	532.95	338.60	190.77	82.97	63.29
360.0	1442.52	1257.34	1060.53	776.95	601.16	450.43	309.53	194.57	113.61

Intensity data(cd)

Appendix Page: 15 Total:21

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	65.75	47.86	42.49	38.92	35.34	29.97	26.84	24.15	20.58
15.0	56.36	50.54	46.07	42.05	38.24	32.21	30.19	27.73	23.71
30.0	180.26	119.43	80.96	57.03	46.74	42.72	38.24	34.89	30.86
45.0	140.90	95.72	68.21	55.02	47.86	42.27	38.92	33.55	30.42
60.0	259.88	149.84	103.10	74.25	56.81	46.97	41.15	37.80	32.65
75.0	355.15	221.19	157.22	112.50	81.86	61.28	49.65	43.61	37.13
90.0	329.21	215.15	137.32	90.80	62.17	44.28	39.36	32.65	28.63
105.0	355.15	221.19	157.22	112.50	81.86	61.28	49.65	43.61	37.13
120.0	259.88	149.84	103.10	74.25	56.81	46.97	41.15	37.80	32.65
135.0	140.90	95.72	68.21	55.02	47.86	42.27	38.92	33.55	30.42
150.0	180.26	119.43	80.96	57.03	46.74	42.72	38.24	34.89	30.86
165.0	56.36	50.54	46.07	42.05	38.24	32.21	30.19	27.73	23.71
180.0	65.75	47.86	42.49	38.92	35.34	29.97	26.84	24.15	20.58
195.0	56.36	50.54	46.07	42.05	38.24	32.21	30.19	27.73	23.71
210.0	180.26	119.43	80.96	57.03	46.74	42.72	38.24	34.89	30.86
225.0	140.90	95.72	68.21	55.02	47.86	42.27	38.92	33.55	30.42
240.0	259.88	149.84	103.10	74.25	56.81	46.97	41.15	37.80	32.65
255.0	355.15	221.19	157.22	112.50	81.86	61.28	49.65	43.61	37.13
270.0	329.21	215.15	137.32	90.80	62.17	44.28	39.36	32.65	28.63
285.0	355.15	221.19	157.22	112.50	81.86	61.28	49.65	43.61	37.13
300.0	259.88	149.84	103.10	74.25	56.81	46.97	41.15	37.80	32.65
315.0	140.90	95.72	68.21	55.02	47.86	42.27	38.92	33.55	30.42
330.0	180.26	119.43	80.96	57.03	46.74	42.72	38.24	34.89	30.86
345.0	56.36	50.54	46.07	42.05	38.24	32.21	30.19	27.73	23.71
360.0	65.75	47.86	42.49	38.92	35.34	29.97	26.84	24.15	20.58
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.79	16.10	14.31	11.63	9.39	8.05	5.37	4.03	3.13
15.0	21.69	19.23	16.10	13.87	11.85	9.84	8.05	5.59	4.03
30.0	26.17	23.71	20.80	17.22	15.43	12.75	10.74	9.17	7.38
45.0	27.29	23.04	20.58	18.56	16.33	14.09	12.30	10.51	8.95
60.0	28.63	25.50	22.59	19.01	17.44	14.99	12.97	11.63	10.06
75.0	33.32	29.97	24.38	21.25	18.34	15.88	12.97	10.74	9.17
90.0	23.71	21.02	18.79	15.66	12.97	10.29	6.71	4.47	2.68
105.0	33.32	29.97	24.38	21.25	18.34	15.88	12.97	10.74	9.17
120.0	28.63	25.50	22.59	19.01	17.44	14.99	12.97	11.63	10.06
135.0	27.29	23.04	20.58	18.56	16.33	14.09	12.30	10.51	8.95
150.0	26.17	23.71	20.80	17.22	15.43	12.75	10.74	9.17	7.38
165.0	21.69	19.23	16.10	13.87	11.85	9.84	8.05	5.59	4.03
180.0	18.79	16.10	14.31	11.63	9.39	8.05	5.37	4.03	3.13
195.0	21.69	19.23	16.10	13.87	11.85	9.84	8.05	5.59	4.03
210.0	26.17	23.71	20.80	17.22	15.43	12.75	10.74	9.17	7.38
225.0	27.29	23.04	20.58	18.56	16.33	14.09	12.30	10.51	8.95
240.0	28.63	25.50	22.59	19.01	17.44	14.99	12.97	11.63	10.06
255.0	33.32	29.97	24.38	21.25	18.34	15.88	12.97	10.74	9.17
270.0	23.71	21.02	18.79	15.66	12.97	10.29	6.71	4.47	2.68
285.0	33.32	29.97	24.38	21.25	18.34	15.88	12.97	10.74	9.17
300.0	28.63	25.50	22.59	19.01	17.44	14.99	12.97	11.63	10.06
315.0	27.29	23.04	20.58	18.56	16.33	14.09	12.30	10.51	8.95
330.0	26.17	23.71	20.80	17.22	15.43	12.75	10.74	9.17	7.38
345.0	21.69	19.23	16.10	13.87	11.85	9.84	8.05	5.59	4.03
360.0	18.79	16.10	14.31	11.63	9.39	8.05	5.37	4.03	3.13

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	2.24	1.79	0.90	0.45	0.45	0.45	0.45	0.45	0.45
15.0	2.24	1.12	0.67	0.67	0.45	0.45	0.45	0.45	0.45
30.0	5.81	4.47	3.58	2.91	2.46	2.01	1.79	1.79	1.34
45.0	7.16	6.26	4.92	4.70	4.47	4.25	4.03	3.80	3.58
60.0	8.72	8.05	7.60	6.93	6.26	6.04	6.04	5.37	5.37
75.0	7.38	6.71	5.59	4.92	4.92	4.92	4.92	4.70	4.47
90.0	1.79	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	7.38	6.71	5.59	4.92	4.92	4.92	4.92	4.70	4.47
120.0	8.72	8.05	7.60	6.93	6.26	6.04	6.04	5.37	5.37
135.0	7.16	6.26	4.92	4.70	4.47	4.25	4.03	3.80	3.58
150.0	5.81	4.47	3.58	2.91	2.46	2.01	1.79	1.79	1.34
165.0	2.24	1.12	0.67	0.67	0.45	0.45	0.45	0.45	0.45
180.0	2.24	1.79	0.90	0.45	0.45	0.45	0.45	0.45	0.45
195.0	2.24	1.12	0.67	0.67	0.45	0.45	0.45	0.45	0.45
210.0	5.81	4.47	3.58	2.91	2.46	2.01	1.79	1.79	1.34
225.0	7.16	6.26	4.92	4.70	4.47	4.25	4.03	3.80	3.58
240.0	8.72	8.05	7.60	6.93	6.26	6.04	6.04	5.37	5.37
255.0	7.38	6.71	5.59	4.92	4.92	4.92	4.92	4.70	4.47
270.0	1.79	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	7.38	6.71	5.59	4.92	4.92	4.92	4.92	4.70	4.47
300.0	8.72	8.05	7.60	6.93	6.26	6.04	6.04	5.37	5.37
315.0	7.16	6.26	4.92	4.70	4.47	4.25	4.03	3.80	3.58
330.0	5.81	4.47	3.58	2.91	2.46	2.01	1.79	1.79	1.34
345.0	2.24	1.12	0.67	0.67	0.45	0.45	0.45	0.45	0.45
360.0	2.24	1.79	0.90	0.45	0.45	0.45	0.45	0.45	0.45
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.45
15.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
30.0	1.34	1.34	1.34	1.34	1.34	1.12	0.89	0.90	0.90
45.0	3.35	3.13	2.68	2.46	2.24	1.79	1.79	1.79	1.57
60.0	4.92	4.92	4.25	4.03	3.58	3.13	2.91	2.46	2.46
75.0	4.47	4.47	4.03	3.58	3.58	3.35	2.91	2.68	2.46
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	4.47	4.47	4.03	3.58	3.58	3.35	2.91	2.68	2.46
120.0	4.92	4.92	4.25	4.03	3.58	3.13	2.91	2.46	2.46
135.0	3.35	3.13	2.68	2.46	2.24	1.79	1.79	1.79	1.57
150.0	1.34	1.34	1.34	1.34	1.34	1.12	0.89	0.90	0.90
165.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
180.0	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.45
195.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
210.0	1.34	1.34	1.34	1.34	1.34	1.12	0.89	0.90	0.90
225.0	3.35	3.13	2.68	2.46	2.24	1.79	1.79	1.79	1.57
240.0	4.92	4.92	4.25	4.03	3.58	3.13	2.91	2.46	2.46
255.0	4.47	4.47	4.03	3.58	3.58	3.35	2.91	2.68	2.46
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	4.47	4.47	4.03	3.58	3.58	3.35	2.91	2.68	2.46
300.0	4.92	4.92	4.25	4.03	3.58	3.13	2.91	2.46	2.46
315.0	3.35	3.13	2.68	2.46	2.24	1.79	1.79	1.79	1.57
330.0	1.34	1.34	1.34	1.34	1.34	1.12	0.89	0.90	0.90
345.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
360.0	0.45	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.45

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
15.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
30.0	0.90	0.90	0.90	0.90	0.67	0.45	0.45	0.45	0.45
45.0	1.57	1.12	1.12	0.90	0.90	0.45	0.45	0.45	0.45
60.0	2.01	1.57	1.57	1.34	1.34	1.34	1.12	0.90	0.90
75.0	2.24	2.01	1.79	1.57	1.57	1.34	1.12	1.12	1.12
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	2.24	2.01	1.79	1.57	1.57	1.34	1.12	1.12	1.12
120.0	2.01	1.57	1.57	1.34	1.34	1.34	1.12	0.90	0.90
135.0	1.57	1.12	1.12	0.90	0.90	0.45	0.45	0.45	0.45
150.0	0.90	0.90	0.90	0.90	0.67	0.45	0.45	0.45	0.45
165.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
180.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
195.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
210.0	0.90	0.90	0.90	0.90	0.67	0.45	0.45	0.45	0.45
225.0	1.57	1.12	1.12	0.90	0.90	0.45	0.45	0.45	0.45
240.0	2.01	1.57	1.57	1.34	1.34	1.34	1.12	0.90	0.90
255.0	2.24	2.01	1.79	1.57	1.57	1.34	1.12	1.12	1.12
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	2.24	2.01	1.79	1.57	1.57	1.34	1.12	1.12	1.12
300.0	2.01	1.57	1.57	1.34	1.34	1.34	1.12	0.90	0.90
315.0	1.57	1.12	1.12	0.90	0.90	0.45	0.45	0.45	0.45
330.0	0.90	0.90	0.90	0.90	0.67	0.45	0.45	0.45	0.45
345.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
360.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.45	0.45	0.45	0.45	0.90	0.90	0.90	0.90	0.90
15.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
30.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
45.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
60.0	0.90	0.90	0.67	0.67	0.45	0.45	0.45	0.45	0.45
75.0	0.67	0.67	0.67	0.67	0.45	0.45	0.45	0.45	0.45
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.67	0.67	0.67	0.67	0.45	0.45	0.45	0.45	0.45
120.0	0.90	0.90	0.67	0.67	0.45	0.45	0.45	0.45	0.45
135.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
150.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
180.0	0.45	0.45	0.45	0.45	0.90	0.90	0.90	0.90	0.90
195.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
210.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
225.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
240.0	0.90	0.90	0.67	0.67	0.45	0.45	0.45	0.45	0.45
255.0	0.67	0.67	0.67	0.67	0.45	0.45	0.45	0.45	0.45
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.67	0.67	0.67	0.67	0.45	0.45	0.45	0.45	0.45
300.0	0.90	0.90	0.67	0.67	0.45	0.45	0.45	0.45	0.45
315.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
330.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
345.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
360.0	0.45	0.45	0.45	0.45	0.90	0.90	0.90	0.90	0.90

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.45	0.45
15.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
30.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
45.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
60.0	0.45	0.45	0.45	0.22	0.22	0.45	0.45	0.22	0.22
75.0	0.45	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.22
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.45	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.22
120.0	0.45	0.45	0.45	0.22	0.22	0.45	0.45	0.22	0.22
135.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
150.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
180.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.45	0.45
195.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
210.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
225.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
240.0	0.45	0.45	0.45	0.22	0.22	0.45	0.45	0.22	0.22
255.0	0.45	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.22
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.45	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.22
300.0	0.45	0.45	0.45	0.22	0.22	0.45	0.45	0.22	0.22
315.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
330.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
345.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
360.0	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.45	0.45

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00
15.0	0.45	0.67	0.67	0.45	0.22	0.22	0.22	0.00	0.00
30.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.22
45.0	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.00	0.00
60.0	0.45	0.45	0.45	0.45	0.22	0.22	0.00	0.00	0.00
75.0	0.22	0.22	0.22	0.22	0.22	0.22	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	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
120.0	0.45	0.45	0.45	0.45	0.22	0.22	0.00	0.00	0.00
135.0	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.00	0.00
150.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.22
165.0	0.45	0.67	0.67	0.45	0.22	0.22	0.22	0.00	0.00
180.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.00
195.0	0.45	0.67	0.67	0.45	0.22	0.22	0.22	0.00	0.00
210.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.22
225.0	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.00	0.00
240.0	0.45	0.45	0.45	0.45	0.22	0.22	0.00	0.00	0.00
255.0	0.22	0.22	0.22	0.22	0.22	0.22	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	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
300.0	0.45	0.45	0.45	0.45	0.22	0.22	0.00	0.00	0.00
315.0	0.45	0.45	0.45	0.45	0.22	0.22	0.22	0.00	0.00
330.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.22
345.0	0.45	0.67	0.67	0.45	0.22	0.22	0.22	0.00	0.00
360.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	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	0.22	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	0.22	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	0.22	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	0.22	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

Intensity data(cd)

Appendix Page: 20 Total:21

C/ γ (°)	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/ γ (°)	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

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	180.0
0.0	0.00
15.0	0.00
30.0	0.00
45.0	0.00
60.0	0.00
75.0	0.00
90.0	0.00
105.0	0.00
120.0	0.00
135.0	0.00
150.0	0.00
165.0	0.00
180.0	0.00
195.0	0.00
210.0	0.00
225.0	0.00
240.0	0.00
255.0	0.00
270.0	0.00
285.0	0.00
300.0	0.00
315.0	0.00
330.0	0.00
345.0	0.00
360.0	0.00