

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	58.000 W
Luminaire	:	0003010030 58W 2200K 6560lm PF	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	6560.0 lm	:	Width : 348 mm
Number of Lamps	:	1	:	Length : 348 mm
Phm Type	:	C	:	Height : 0 mm

Photometric Results

Lumens(lm)	:	6560.00	Central intensity(cd)	:	1211.357
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2394.906
Luminous Efficacy(lm/W)	:	113.10	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 :	:	79.439%			

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	1211.357	0.000	0	0.00%	0.00%
1.0	1211.357	1.159	1.159	0.02%	0.02%
2.0	1214.990	3.483	4.642	0.05%	0.07%
3.0	1214.539	5.811	10.452	0.09%	0.16%
4.0	1213.998	8.129	18.581	0.12%	0.28%
5.0	1214.404	10.447	29.028	0.16%	0.44%
6.0	1213.096	12.757	41.785	0.19%	0.64%
7.0	1206.695	15.020	56.805	0.23%	0.87%
8.0	1203.134	17.247	74.052	0.26%	1.13%
9.0	1200.384	19.479	93.531	0.30%	1.43%
10.0	1190.466	21.636	115.167	0.33%	1.76%
11.0	1184.244	23.728	138.896	0.36%	2.12%
12.0	1175.995	25.801	164.696	0.39%	2.51%
13.0	1167.294	27.809	192.505	0.42%	2.93%
14.0	1160.937	29.801	222.306	0.45%	3.39%
15.0	1156.023	31.808	254.115	0.48%	3.87%
16.0	1149.306	33.780	287.894	0.51%	4.39%
17.0	1147.909	35.774	323.668	0.55%	4.93%
18.0	1153.589	37.947	361.615	0.58%	5.51%
19.0	1157.872	40.215	401.829	0.61%	6.13%
20.0	1169.818	42.603	444.433	0.65%	6.77%
21.0	1184.876	45.215	489.647	0.69%	7.46%
22.0	1199.843	47.922	537.569	0.73%	8.19%
23.0	1216.027	50.691	588.261	0.77%	8.97%
24.0	1243.076	53.765	642.026	0.82%	9.79%
25.0	1271.567	57.177	699.203	0.87%	10.66%
26.0	1294.919	60.582	759.785	0.92%	11.58%
27.0	1329.136	64.198	823.983	0.98%	12.56%
28.0	1371.558	68.376	892.359	1.04%	13.60%
29.0	1409.561	72.762	965.121	1.11%	14.71%
30.0	1443.869	77.042	1042.163	1.17%	15.89%
31.0	1477.860	81.307	1123.471	1.24%	17.13%
32.0	1503.917	85.424	1208.895	1.30%	18.43%
33.0	1523.798	89.198	1298.093	1.36%	19.79%
34.0	1552.334	93.093	1391.186	1.42%	21.21%
35.0	1581.367	97.321	1488.507	1.48%	22.69%
36.0	1597.506	101.216	1589.723	1.54%	24.23%
37.0	1614.186	104.747	1694.47	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	1640.558	108.639	1803.109	1.66%	27.49%
39.0	1662.198	112.732	1915.841	1.72%	29.20%
40.0	1688.345	116.855	2032.696	1.78%	30.99%
41.0	1710.165	121.019	2153.715	1.84%	32.83%
42.0	1738.791	125.307	2279.022	1.91%	34.74%
43.0	1767.553	129.885	2408.907	1.98%	36.72%
44.0	1794.602	134.446	2543.353	2.05%	38.77%
45.0	1821.109	138.956	2682.309	2.12%	40.89%
46.0	1846.897	143.448	2825.757	2.19%	43.08%
47.0	1867.949	147.749	2973.506	2.25%	45.33%
48.0	1894.503	152.098	3125.604	2.32%	47.65%
49.0	1922.092	156.731	3282.334	2.39%	50.04%
50.0	1946.662	161.301	3443.636	2.46%	52.49%
51.0	1968.166	165.631	3609.266	2.52%	55.02%
52.0	1984.801	169.625	3778.891	2.59%	57.60%
53.0	2000.128	173.344	3952.235	2.64%	60.25%
54.0	2009.596	176.732	4128.967	2.69%	62.94%
55.0	2007.432	179.313	4308.28	2.73%	65.67%
56.0	1998.686	181.025	4489.306	2.76%	68.43%
57.0	1983.989	182.097	4671.403	2.78%	71.21%
58.0	1952.747	182.049	4853.451	2.78%	73.99%
59.0	1909.785	180.576	5034.027	2.75%	76.74%
60.0	1840.089	177.157	5211.184	2.70%	79.44%
61.0	1748.935	171.275	5382.46	2.61%	82.05%
62.0	1641.686	163.380	5545.84	2.49%	84.54%
63.0	1506.622	153.119	5698.958	2.33%	86.87%
64.0	1373.000	141.302	5840.26	2.15%	89.03%
65.0	1227.973	128.720	5968.98	1.96%	90.99%
66.0	1073.209	114.814	6083.795	1.75%	92.74%
67.0	905.686	99.504	6183.299	1.52%	94.26%
68.0	752.184	83.982	6267.281	1.28%	95.54%
69.0	599.223	68.942	6336.224	1.05%	96.59%
70.0	438.552	53.298	6389.522	0.81%	97.40%
71.0	322.558	39.338	6428.86	0.60%	98.00%
72.0	239.879	29.245	6458.105	0.45%	98.45%
73.0	154.855	20.642	6478.747	0.31%	98.76%
74.0	109.954	13.922	6492.668	0.21%	98.97%
75.0	81.778	10.130	6502.799	0.15%	99.13%

Equipment: GMS-1800
Temperature($^{\circ}$ 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	64.557	7.768	6510.567	0.12%	99.25%
77.0	52.926	6.264	6516.83	0.10%	99.34%
78.0	46.614	5.328	6522.159	0.08%	99.42%
79.0	41.520	4.735	6526.894	0.07%	99.50%
80.0	36.156	4.188	6531.082	0.06%	99.56%
81.0	31.918	3.681	6534.763	0.06%	99.61%
82.0	28.221	3.261	6538.025	0.05%	99.66%
83.0	24.389	2.860	6540.885	0.04%	99.71%
84.0	20.873	2.466	6543.35	0.04%	99.75%
85.0	18.258	2.136	6545.486	0.03%	99.78%
86.0	15.463	1.843	6547.329	0.03%	99.81%
87.0	12.713	1.542	6548.871	0.02%	99.83%
88.0	10.459	1.269	6550.141	0.02%	99.85%
89.0	8.565	1.043	6551.183	0.02%	99.87%
90.0	6.717	0.838	6552.021	0.01%	99.88%
91.0	5.635	0.677	6552.698	0.01%	99.89%
92.0	4.598	0.561	6553.259	0.01%	99.90%
93.0	4.102	0.477	6553.736	0.01%	99.90%
94.0	3.787	0.432	6554.168	0.01%	99.91%
95.0	3.606	0.404	6554.572	0.01%	99.92%
96.0	3.516	0.389	6554.96	0.01%	99.92%
97.0	3.291	0.371	6555.331	0.01%	99.93%
98.0	3.111	0.348	6555.679	0.01%	99.93%
99.0	2.975	0.330	6556.009	0.01%	99.94%
100.0	2.930	0.319	6556.329	0.00%	99.94%
101.0	2.615	0.299	6556.628	0.00%	99.95%
102.0	2.389	0.269	6556.897	0.00%	99.95%
103.0	2.254	0.249	6557.145	0.00%	99.96%
104.0	1.984	0.226	6557.371	0.00%	99.96%
105.0	1.803	0.201	6557.572	0.00%	99.96%
106.0	1.668	0.183	6557.755	0.00%	99.97%
107.0	1.623	0.173	6557.928	0.00%	99.97%
108.0	1.487	0.163	6558.091	0.00%	99.97%
109.0	1.262	0.143	6558.234	0.00%	99.97%
110.0	1.217	0.128	6558.362	0.00%	99.97%
111.0	1.082	0.118	6558.48	0.00%	99.98%
112.0	1.037	0.108	6558.588	0.00%	99.98%
113.0	0.857	0.096	6558.684	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	0.766	0.082	6558.766	0.00%	99.98%
115.0	0.721	0.074	6558.84	0.00%	99.98%
116.0	0.721	0.071	6558.911	0.00%	99.98%
117.0	0.631	0.066	6558.978	0.00%	99.98%
118.0	0.631	0.061	6559.039	0.00%	99.99%
119.0	0.586	0.059	6559.098	0.00%	99.99%
120.0	0.586	0.056	6559.154	0.00%	99.99%
121.0	0.541	0.053	6559.207	0.00%	99.99%
122.0	0.541	0.051	6559.258	0.00%	99.99%
123.0	0.541	0.050	6559.308	0.00%	99.99%
124.0	0.541	0.049	6559.357	0.00%	99.99%
125.0	0.541	0.049	6559.406	0.00%	99.99%
126.0	0.541	0.048	6559.454	0.00%	99.99%
127.0	0.541	0.048	6559.502	0.00%	99.99%
128.0	0.541	0.047	6559.549	0.00%	99.99%
129.0	0.496	0.044	6559.594	0.00%	99.99%
130.0	0.496	0.042	6559.635	0.00%	99.99%
131.0	0.496	0.041	6559.677	0.00%	99.99%
132.0	0.496	0.041	6559.718	0.00%	100.00%
133.0	0.406	0.036	6559.754	0.00%	100.00%
134.0	0.406	0.032	6559.786	0.00%	100.00%
135.0	0.451	0.033	6559.82	0.00%	100.00%
136.0	0.496	0.036	6559.856	0.00%	100.00%
137.0	0.496	0.037	6559.894	0.00%	100.00%
138.0	0.451	0.035	6559.929	0.00%	100.00%
139.0	0.315	0.028	6559.956	0.00%	100.00%
140.0	0.315	0.022	6559.979	0.00%	100.00%
141.0	0.225	0.019	6559.998	0.00%	100.00%
142.0	0.135	0.012	6560.01	0.00%	100.00%
143.0	0.045	0.006	6560.016	0.00%	100.00%
144.0	0.045	0.003	6560.019	0.00%	100.00%
145.0	0.000	0.001	6560.02	0.00%	100.00%
146.0	0.000	0.000	6560.02	0.00%	100.00%
147.0	0.000	0.000	6560.02	0.00%	100.00%
148.0	0.000	0.000	6560.02	0.00%	100.00%
149.0	0.000	0.000	6560.02	0.00%	100.00%
150.0	0.000	0.000	6560.02	0.00%	100.00%
151.0	0.000	0.000	6560.02	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

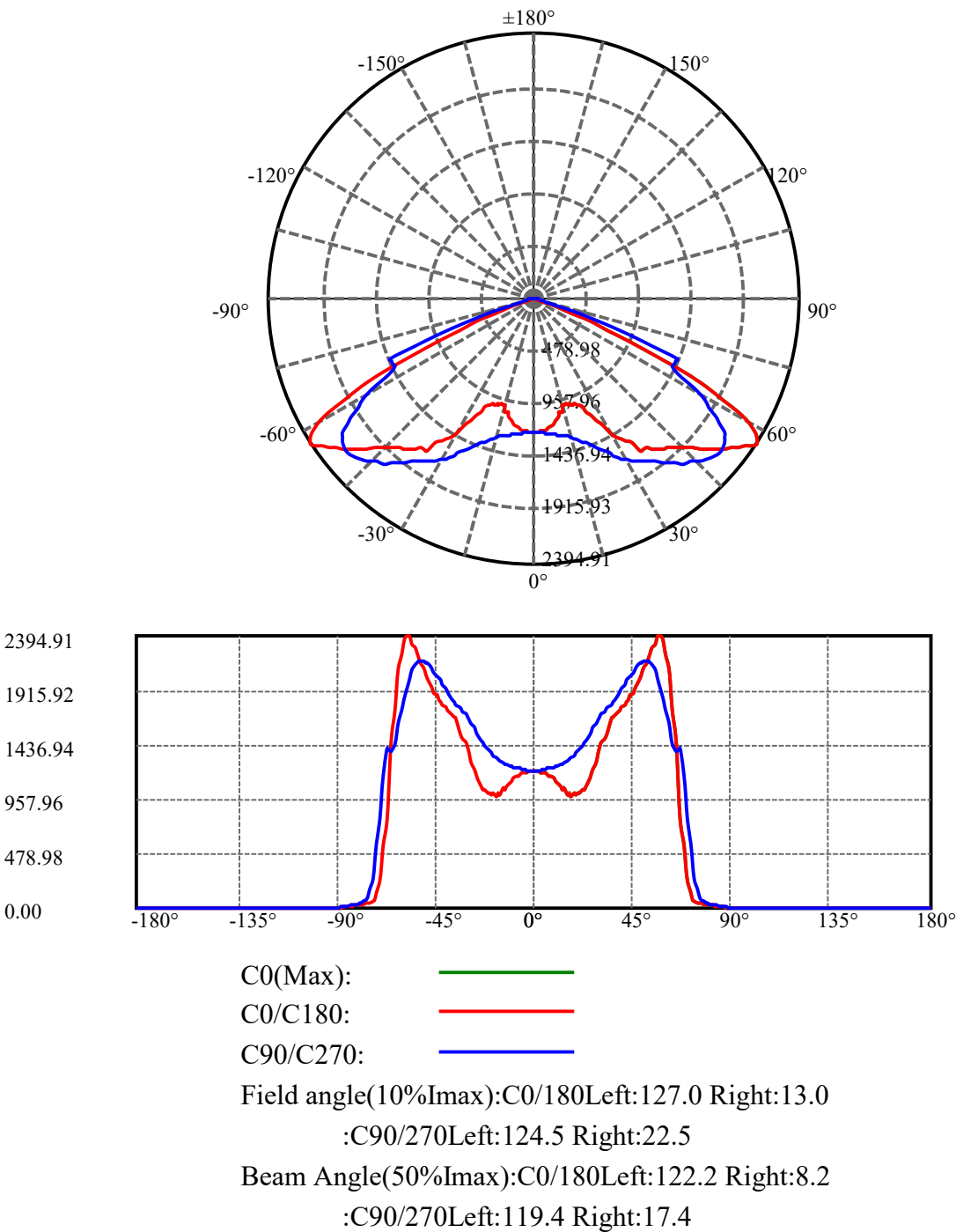
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	6560.02	0.00%	100.00%
153.0	0.000	0.000	6560.02	0.00%	100.00%
154.0	0.000	0.000	6560.02	0.00%	100.00%
155.0	0.000	0.000	6560.02	0.00%	100.00%
156.0	0.000	0.000	6560.02	0.00%	100.00%
157.0	0.000	0.000	6560.02	0.00%	100.00%
158.0	0.000	0.000	6560.02	0.00%	100.00%
159.0	0.000	0.000	6560.02	0.00%	100.00%
160.0	0.000	0.000	6560.02	0.00%	100.00%
161.0	0.000	0.000	6560.02	0.00%	100.00%
162.0	0.000	0.000	6560.02	0.00%	100.00%
163.0	0.000	0.000	6560.02	0.00%	100.00%
164.0	0.000	0.000	6560.02	0.00%	100.00%
165.0	0.000	0.000	6560.02	0.00%	100.00%
166.0	0.000	0.000	6560.02	0.00%	100.00%
167.0	0.000	0.000	6560.02	0.00%	100.00%
168.0	0.000	0.000	6560.02	0.00%	100.00%
169.0	0.000	0.000	6560.02	0.00%	100.00%
170.0	0.000	0.000	6560.02	0.00%	100.00%
171.0	0.000	0.000	6560.02	0.00%	100.00%
172.0	0.000	0.000	6560.02	0.00%	100.00%
173.0	0.000	0.000	6560.02	0.00%	100.00%
174.0	0.000	0.000	6560.02	0.00%	100.00%
175.0	0.000	0.000	6560.02	0.00%	100.00%
176.0	0.000	0.000	6560.02	0.00%	100.00%
177.0	0.000	0.000	6560.02	0.00%	100.00%
178.0	0.000	0.000	6560.02	0.00%	100.00%
179.0	0.000	0.000	6560.02	0.00%	100.00%
180.0	0.000	0.000	6560.02	0.00%	100.00%

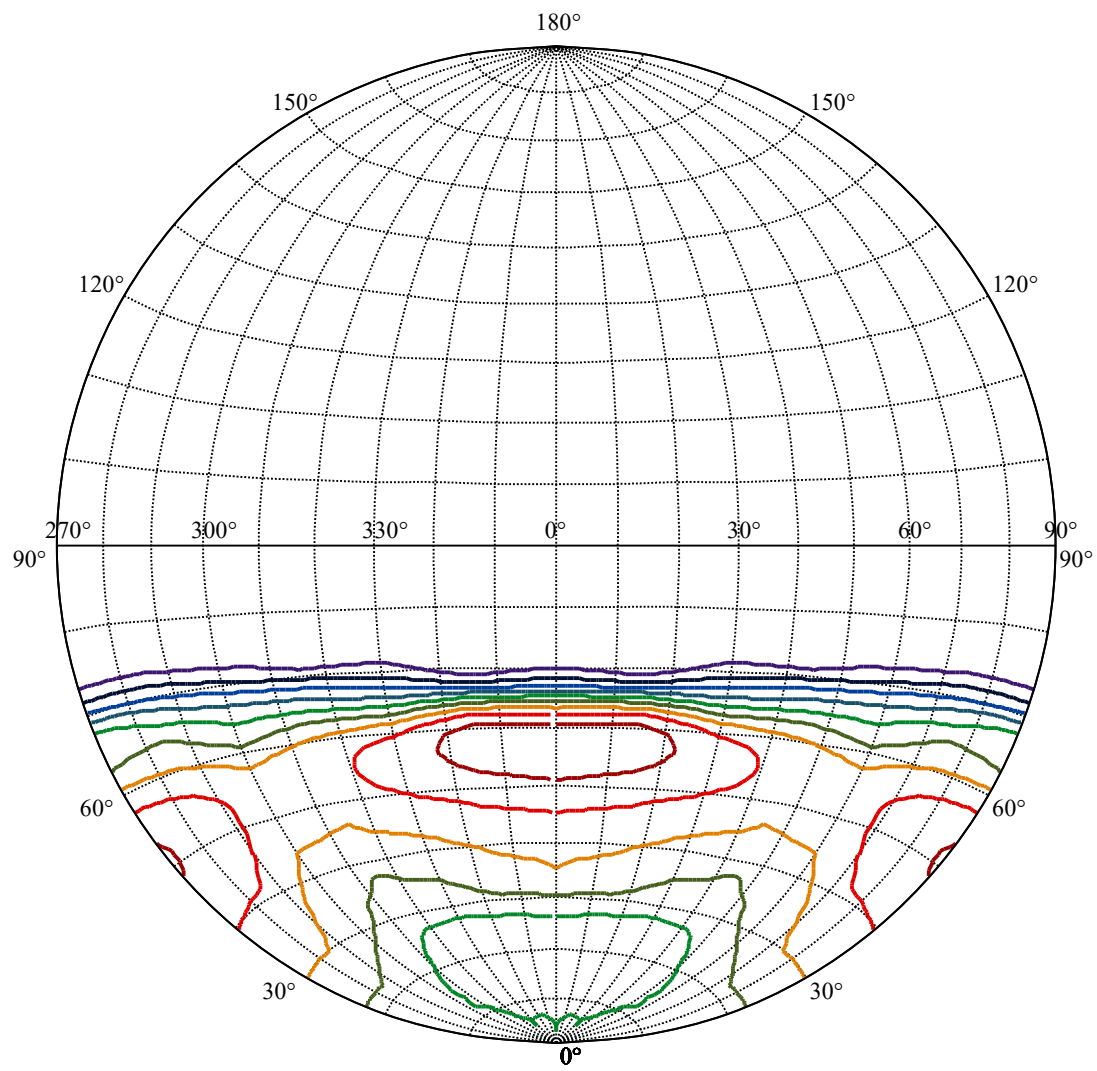
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1042.16	15.89%	15.89%
0-40	2032.70	30.99%	30.99%
0-60	5211.18	79.44%	79.44%
0-90	6552.02	99.88%	99.88%
0-120	6559.15	99.99%	99.99%
0-180	6560.02	100.00%	100.00%
60-90	1340.84	20.44%	20.44%
90-120	7.13	0.11%	0.11%
90-130	7.61	0.12%	0.12%
90-150	8.00	0.12%	0.12%
90-180	8.00	0.12%	0.12%
0-60.22	5248.02	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	115.17
10-20	329.27
20-30	597.73
30-40	990.53
40-50	1410.94
50-60	1767.55
60-70	1178.34
70-80	141.56
80-90	20.94
90-100	4.31
100-110	2.03
110-120	0.79
120-130	0.48
130-140	0.34
140-150	0.04
150-160	0.00
160-170	0.00
170-180	0.00



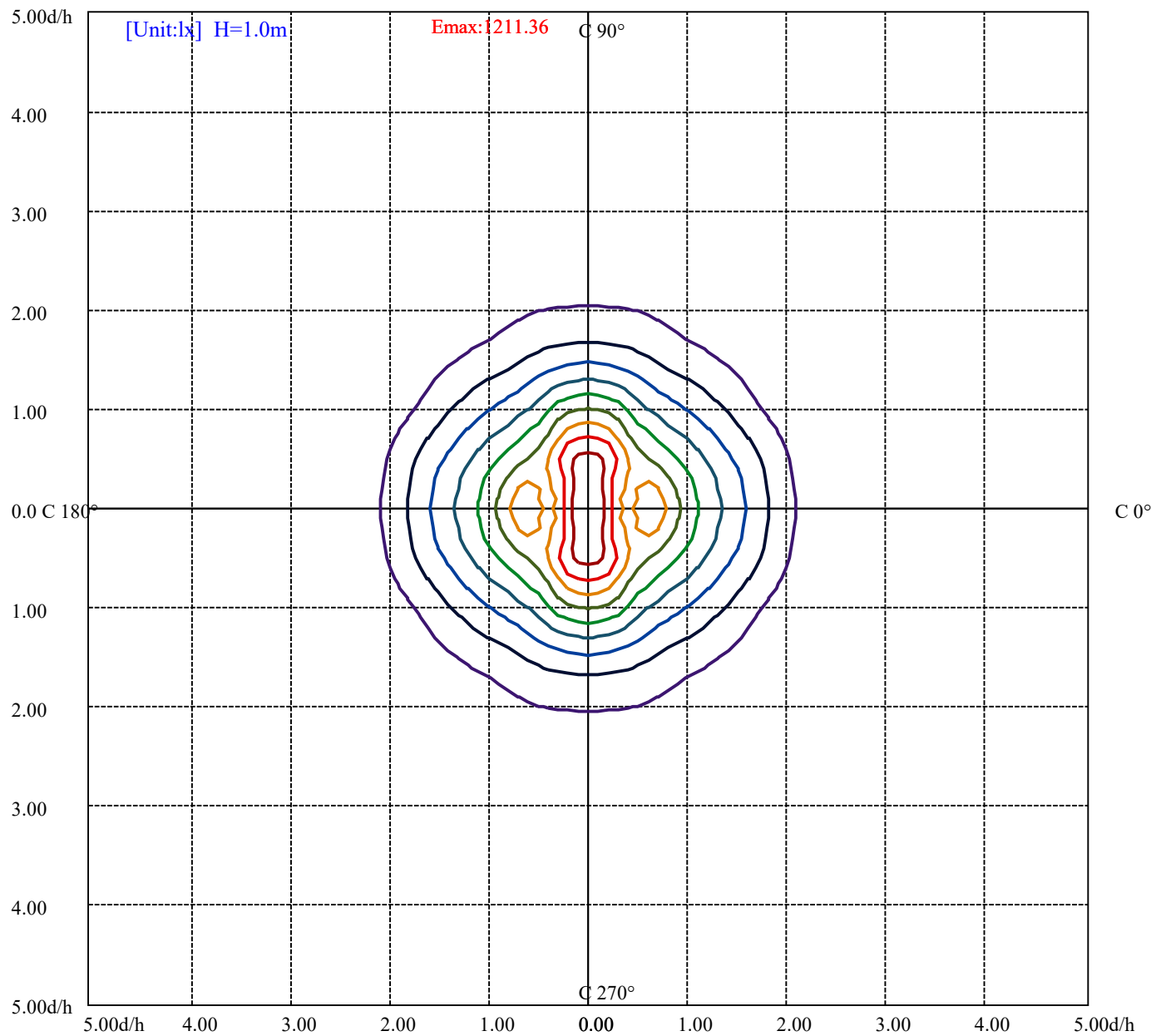


House

[Unit:cd]

Road

	Imax:2394.91	
(10%Imax)	239.491	
(20%Imax)	478.981	
(30%Imax)	718.472	
(40%Imax)	957.962	
(50%Imax)	1197.45	
(60%Imax)	1436.94	
(70%Imax)	1676.43	
(80%Imax)	1915.92	
(90%Imax)	2155.42	



(10%Emax)	121.136	
(20%Emax)	242.271	
(30%Emax)	363.407	
(40%Emax)	484.543	
(50%Emax)	605.679	
(60%Emax)	726.814	
(70%Emax)	847.95	
(80%Emax)	969.086	
(90%Emax)	1090.22	

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	1211.36	1211.36	1204.22	1194.48	1195.56	1194.48	1180.95	1164.18	1154.99
15.0	1211.36	1211.36	1214.22	1217.74	1217.74	1216.12	1205.84	1195.56	1183.93
30.0	1211.36	1211.36	1207.73	1205.57	1200.16	1196.37	1197.18	1180.95	1180.68
45.0	1211.36	1211.36	1225.04	1224.77	1221.80	1222.88	1225.31	1218.55	1202.32
60.0	1211.36	1211.36	1205.84	1205.57	1207.19	1209.36	1210.44	1207.73	1213.14
75.0	1211.36	1211.36	1231.54	1231.81	1232.89	1233.43	1235.59	1239.65	1242.90
90.0	1211.36	1211.36	1206.92	1209.08	1212.87	1222.07	1227.48	1231.26	1236.68
105.0	1211.36	1211.36	1231.54	1231.81	1232.89	1233.43	1235.59	1239.65	1242.90
120.0	1211.36	1211.36	1205.84	1205.57	1207.19	1209.36	1210.44	1207.73	1213.14
135.0	1211.36	1211.36	1225.04	1224.77	1221.80	1222.88	1225.31	1218.55	1202.32
150.0	1211.36	1211.36	1207.73	1205.57	1200.16	1196.37	1197.18	1180.95	1180.68
165.0	1211.36	1211.36	1214.22	1217.74	1217.74	1216.12	1205.84	1195.56	1183.93
180.0	1211.36	1211.36	1204.22	1194.48	1195.56	1194.48	1180.95	1164.18	1154.99
195.0	1211.36	1211.36	1214.22	1217.74	1217.74	1216.12	1205.84	1195.56	1183.93
210.0	1211.36	1211.36	1207.73	1205.57	1200.16	1196.37	1197.18	1180.95	1180.68
225.0	1211.36	1211.36	1225.04	1224.77	1221.80	1222.88	1225.31	1218.55	1202.32
240.0	1211.36	1211.36	1205.84	1205.57	1207.19	1209.36	1210.44	1207.73	1213.14
255.0	1211.36	1211.36	1231.54	1231.81	1232.89	1233.43	1235.59	1239.65	1242.90
270.0	1211.36	1211.36	1206.92	1209.08	1212.87	1222.07	1227.48	1231.26	1236.68
285.0	1211.36	1211.36	1231.54	1231.81	1232.89	1233.43	1235.59	1239.65	1242.90
300.0	1211.36	1211.36	1205.84	1205.57	1207.19	1209.36	1210.44	1207.73	1213.14
315.0	1211.36	1211.36	1225.04	1224.77	1221.80	1222.88	1225.31	1218.55	1202.32
330.0	1211.36	1211.36	1207.73	1205.57	1200.16	1196.37	1197.18	1180.95	1180.68
345.0	1211.36	1211.36	1214.22	1217.74	1217.74	1216.12	1205.84	1195.56	1183.93
360.0	1211.36	1211.36	1204.22	1194.48	1195.56	1194.48	1180.95	1164.18	1154.99

C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1141.46	1113.87	1105.76	1078.17	1047.33	1052.20	999.73	1004.60	987.82
15.0	1174.73	1147.14	1127.13	1107.65	1072.22	1032.19	1020.55	997.29	981.60
30.0	1172.30	1154.45	1138.22	1131.18	1117.93	1105.49	1093.04	1065.46	1050.31
45.0	1200.43	1193.67	1191.77	1172.03	1171.22	1162.29	1151.74	1135.24	1132.00
60.0	1216.12	1214.76	1213.14	1211.79	1211.25	1221.53	1223.96	1226.94	1235.59
75.0	1247.49	1252.36	1255.88	1264.27	1273.19	1278.87	1298.35	1313.49	1329.72
90.0	1241.00	1246.95	1252.90	1259.94	1268.59	1278.33	1297.26	1310.25	1328.64
105.0	1247.49	1252.36	1255.88	1264.27	1273.19	1278.87	1298.35	1313.49	1329.72
120.0	1216.12	1214.76	1213.14	1211.79	1211.25	1221.53	1223.96	1226.94	1235.59
135.0	1200.43	1193.67	1191.77	1172.03	1171.22	1162.29	1151.74	1135.24	1132.00
150.0	1172.30	1154.45	1138.22	1131.18	1117.93	1105.49	1093.04	1065.46	1050.31
165.0	1174.73	1147.14	1127.13	1107.65	1072.22	1032.19	1020.55	997.29	981.60
180.0	1141.46	1113.87	1105.76	1078.17	1047.33	1052.20	999.73	1004.60	987.82
195.0	1174.73	1147.14	1127.13	1107.65	1072.22	1032.19	1020.55	997.29	981.60
210.0	1172.30	1154.45	1138.22	1131.18	1117.93	1105.49	1093.04	1065.46	1050.31
225.0	1200.43	1193.67	1191.77	1172.03	1171.22	1162.29	1151.74	1135.24	1132.00
240.0	1216.12	1214.76	1213.14	1211.79	1211.25	1221.53	1223.96	1226.94	1235.59
255.0	1247.49	1252.36	1255.88	1264.27	1273.19	1278.87	1298.35	1313.49	1329.72
270.0	1241.00	1246.95	1252.90	1259.94	1268.59	1278.33	1297.26	1310.25	1328.64
285.0	1247.49	1252.36	1255.88	1264.27	1273.19	1278.87	1298.35	1313.49	1329.72
300.0	1216.12	1214.76	1213.14	1211.79	1211.25	1221.53	1223.96	1226.94	1235.59
315.0	1200.43	1193.67	1191.77	1172.03	1171.22	1162.29	1151.74	1135.24	1132.00
330.0	1172.30	1154.45	1138.22	1131.18	1117.93	1105.49	1093.04	1065.46	1050.31
345.0	1174.73	1147.14	1127.13	1107.65	1072.22	1032.19	1020.55	997.29	981.60
360.0	1141.46	1113.87	1105.76	1078.17	1047.33	1052.20	999.73	1004.60	987.82

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	1012.71	995.94	1018.66	1017.04	1043.55	1039.76	1072.76	1124.15	1178.79
15.0	973.49	970.24	985.93	1010.55	1011.09	1033.54	1079.25	1126.31	1135.51
30.0	1039.22	1035.70	1031.92	1038.68	1042.73	1062.21	1085.47	1098.73	1122.26
45.0	1136.86	1140.65	1142.54	1147.41	1154.99	1151.47	1162.29	1183.66	1198.81
60.0	1246.41	1256.69	1272.38	1291.58	1322.96	1346.49	1369.21	1385.44	1398.97
75.0	1346.76	1364.35	1384.90	1410.06	1431.97	1456.31	1486.61	1512.30	1549.36
90.0	1344.87	1363.26	1383.82	1404.92	1427.10	1452.52	1478.49	1521.77	1550.44
105.0	1346.76	1364.35	1384.90	1410.06	1431.97	1456.31	1486.61	1512.30	1549.36
120.0	1246.41	1256.69	1272.38	1291.58	1322.96	1346.49	1369.21	1385.44	1398.97
135.0	1136.86	1140.65	1142.54	1147.41	1154.99	1151.47	1162.29	1183.66	1198.81
150.0	1039.22	1035.70	1031.92	1038.68	1042.73	1062.21	1085.47	1098.73	1122.26
165.0	973.49	970.24	985.93	1010.55	1011.09	1033.54	1079.25	1126.31	1135.51
180.0	1012.71	995.94	1018.66	1017.04	1043.55	1039.76	1072.76	1124.15	1178.79
195.0	973.49	970.24	985.93	1010.55	1011.09	1033.54	1079.25	1126.31	1135.51
210.0	1039.22	1035.70	1031.92	1038.68	1042.73	1062.21	1085.47	1098.73	1122.26
225.0	1136.86	1140.65	1142.54	1147.41	1154.99	1151.47	1162.29	1183.66	1198.81
240.0	1246.41	1256.69	1272.38	1291.58	1322.96	1346.49	1369.21	1385.44	1398.97
255.0	1346.76	1364.35	1384.90	1410.06	1431.97	1456.31	1486.61	1512.30	1549.36
270.0	1344.87	1363.26	1383.82	1404.92	1427.10	1452.52	1478.49	1521.77	1550.44
285.0	1346.76	1364.35	1384.90	1410.06	1431.97	1456.31	1486.61	1512.30	1549.36
300.0	1246.41	1256.69	1272.38	1291.58	1322.96	1346.49	1369.21	1385.44	1398.97
315.0	1136.86	1140.65	1142.54	1147.41	1154.99	1151.47	1162.29	1183.66	1198.81
330.0	1039.22	1035.70	1031.92	1038.68	1042.73	1062.21	1085.47	1098.73	1122.26
345.0	973.49	970.24	985.93	1010.55	1011.09	1033.54	1079.25	1126.31	1135.51
360.0	1012.71	995.94	1018.66	1017.04	1043.55	1039.76	1072.76	1124.15	1178.79

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1226.94	1284.82	1351.36	1416.82	1459.56	1488.23	1520.15	1568.84	1672.16
15.0	1194.48	1249.12	1323.50	1378.14	1435.21	1495.80	1535.29	1580.46	1601.83
30.0	1162.56	1209.36	1240.73	1270.22	1321.34	1341.35	1368.94	1411.41	1448.47
45.0	1211.52	1261.56	1279.95	1303.49	1326.48	1337.30	1343.79	1360.56	1389.50
60.0	1418.71	1448.47	1467.40	1489.58	1502.83	1518.25	1524.20	1541.25	1552.88
75.0	1576.95	1607.79	1645.92	1674.06	1698.67	1723.28	1735.73	1749.79	1764.67
90.0	1594.26	1621.31	1648.36	1678.65	1705.70	1726.80	1749.52	1772.24	1789.55
105.0	1576.95	1607.79	1645.92	1674.06	1698.67	1723.28	1735.73	1749.79	1764.67
120.0	1418.71	1448.47	1467.40	1489.58	1502.83	1518.25	1524.20	1541.25	1552.88
135.0	1211.52	1261.56	1279.95	1303.49	1326.48	1337.30	1343.79	1360.56	1389.50
150.0	1162.56	1209.36	1240.73	1270.22	1321.34	1341.35	1368.94	1411.41	1448.47
165.0	1194.48	1249.12	1323.50	1378.14	1435.21	1495.80	1535.29	1580.46	1601.83
180.0	1226.94	1284.82	1351.36	1416.82	1459.56	1488.23	1520.15	1568.84	1672.16
195.0	1194.48	1249.12	1323.50	1378.14	1435.21	1495.80	1535.29	1580.46	1601.83
210.0	1162.56	1209.36	1240.73	1270.22	1321.34	1341.35	1368.94	1411.41	1448.47
225.0	1211.52	1261.56	1279.95	1303.49	1326.48	1337.30	1343.79	1360.56	1389.50
240.0	1418.71	1448.47	1467.40	1489.58	1502.83	1518.25	1524.20	1541.25	1552.88
255.0	1576.95	1607.79	1645.92	1674.06	1698.67	1723.28	1735.73	1749.79	1764.67
270.0	1594.26	1621.31	1648.36	1678.65	1705.70	1726.80	1749.52	1772.24	1789.55
285.0	1576.95	1607.79	1645.92	1674.06	1698.67	1723.28	1735.73	1749.79	1764.67
300.0	1418.71	1448.47	1467.40	1489.58	1502.83	1518.25	1524.20	1541.25	1552.88
315.0	1211.52	1261.56	1279.95	1303.49	1326.48	1337.30	1343.79	1360.56	1389.50
330.0	1162.56	1209.36	1240.73	1270.22	1321.34	1341.35	1368.94	1411.41	1448.47
345.0	1194.48	1249.12	1323.50	1378.14	1435.21	1495.80	1535.29	1580.46	1601.83
360.0	1226.94	1284.82	1351.36	1416.82	1459.56	1488.23	1520.15	1568.84	1672.16

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	1681.90	1688.93	1723.55	1743.57	1773.87	1790.09	1809.03	1836.62	1869.08
15.0	1618.60	1643.22	1661.88	1681.36	1703.00	1732.21	1756.28	1786.04	1816.06
30.0	1472.54	1505.54	1541.25	1570.73	1604.81	1633.21	1656.74	1687.04	1713.82
45.0	1411.68	1419.80	1457.12	1468.48	1499.05	1515.01	1552.61	1595.88	1633.21
60.0	1549.36	1551.52	1556.12	1580.19	1598.59	1610.22	1633.75	1655.12	1672.16
75.0	1786.58	1804.70	1829.58	1851.23	1873.95	1896.94	1927.77	1950.49	1977.00
90.0	1810.65	1831.75	1871.24	1898.83	1927.50	1956.72	2002.16	2024.88	2041.65
105.0	1786.58	1804.70	1829.58	1851.23	1873.95	1896.94	1927.77	1950.49	1977.00
120.0	1549.36	1551.52	1556.12	1580.19	1598.59	1610.22	1633.75	1655.12	1672.16
135.0	1411.68	1419.80	1457.12	1468.48	1499.05	1515.01	1552.61	1595.88	1633.21
150.0	1472.54	1505.54	1541.25	1570.73	1604.81	1633.21	1656.74	1687.04	1713.82
165.0	1618.60	1643.22	1661.88	1681.36	1703.00	1732.21	1756.28	1786.04	1816.06
180.0	1681.90	1688.93	1723.55	1743.57	1773.87	1790.09	1809.03	1836.62	1869.08
195.0	1618.60	1643.22	1661.88	1681.36	1703.00	1732.21	1756.28	1786.04	1816.06
210.0	1472.54	1505.54	1541.25	1570.73	1604.81	1633.21	1656.74	1687.04	1713.82
225.0	1411.68	1419.80	1457.12	1468.48	1499.05	1515.01	1552.61	1595.88	1633.21
240.0	1549.36	1551.52	1556.12	1580.19	1598.59	1610.22	1633.75	1655.12	1672.16
255.0	1786.58	1804.70	1829.58	1851.23	1873.95	1896.94	1927.77	1950.49	1977.00
270.0	1810.65	1831.75	1871.24	1898.83	1927.50	1956.72	2002.16	2024.88	2041.65
285.0	1786.58	1804.70	1829.58	1851.23	1873.95	1896.94	1927.77	1950.49	1977.00
300.0	1549.36	1551.52	1556.12	1580.19	1598.59	1610.22	1633.75	1655.12	1672.16
315.0	1411.68	1419.80	1457.12	1468.48	1499.05	1515.01	1552.61	1595.88	1633.21
330.0	1472.54	1505.54	1541.25	1570.73	1604.81	1633.21	1656.74	1687.04	1713.82
345.0	1618.60	1643.22	1661.88	1681.36	1703.00	1732.21	1756.28	1786.04	1816.06
360.0	1681.90	1688.93	1723.55	1743.57	1773.87	1790.09	1809.03	1836.62	1869.08
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1895.04	1936.16	1967.53	2023.26	2062.75	2105.48	2150.93	2196.37	2242.89
15.0	1848.79	1887.74	1925.88	1955.09	1999.18	2053.01	2090.07	2125.77	2160.12
30.0	1747.09	1783.06	1814.17	1844.19	1891.26	1917.22	1954.82	1985.93	2011.35
45.0	1657.28	1671.35	1680.82	1712.19	1730.86	1760.34	1790.37	1810.92	1824.72
60.0	1693.80	1703.00	1711.92	1728.42	1746.28	1756.82	1761.15	1761.69	1771.70
75.0	1998.10	2018.39	2031.10	2040.30	2051.93	2053.82	2050.30	2041.11	2032.18
90.0	2068.16	2099.53	2120.09	2150.39	2163.37	2172.02	2173.65	2170.40	2158.50
105.0	1998.10	2018.39	2031.10	2040.30	2051.93	2053.82	2050.30	2041.11	2032.18
120.0	1693.80	1703.00	1711.92	1728.42	1746.28	1756.82	1761.15	1761.69	1771.70
135.0	1657.28	1671.35	1680.82	1712.19	1730.86	1760.34	1790.37	1810.92	1824.72
150.0	1747.09	1783.06	1814.17	1844.19	1891.26	1917.22	1954.82	1985.93	2011.35
165.0	1848.79	1887.74	1925.88	1955.09	1999.18	2053.01	2090.07	2125.77	2160.12
180.0	1895.04	1936.16	1967.53	2023.26	2062.75	2105.48	2150.93	2196.37	2242.89
195.0	1848.79	1887.74	1925.88	1955.09	1999.18	2053.01	2090.07	2125.77	2160.12
210.0	1747.09	1783.06	1814.17	1844.19	1891.26	1917.22	1954.82	1985.93	2011.35
225.0	1657.28	1671.35	1680.82	1712.19	1730.86	1760.34	1790.37	1810.92	1824.72
240.0	1693.80	1703.00	1711.92	1728.42	1746.28	1756.82	1761.15	1761.69	1771.70
255.0	1998.10	2018.39	2031.10	2040.30	2051.93	2053.82	2050.30	2041.11	2032.18
270.0	2068.16	2099.53	2120.09	2150.39	2163.37	2172.02	2173.65	2170.40	2158.50
285.0	1998.10	2018.39	2031.10	2040.30	2051.93	2053.82	2050.30	2041.11	2032.18
300.0	1693.80	1703.00	1711.92	1728.42	1746.28	1756.82	1761.15	1761.69	1771.70
315.0	1657.28	1671.35	1680.82	1712.19	1730.86	1760.34	1790.37	1810.92	1824.72
330.0	1747.09	1783.06	1814.17	1844.19	1891.26	1917.22	1954.82	1985.93	2011.35
345.0	1848.79	1887.74	1925.88	1955.09	1999.18	2053.01	2090.07	2125.77	2160.12
360.0	1895.04	1936.16	1967.53	2023.26	2062.75	2105.48	2150.93	2196.37	2242.89

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	2286.17	2325.66	2372.73	2394.91	2373.81	2325.12	2238.02	2109.81	1941.57
15.0	2197.18	2229.37	2255.60	2279.14	2285.09	2286.98	2227.75	2147.41	2023.80
30.0	2030.56	2037.05	2038.67	2028.67	1998.64	1951.04	1876.11	1778.73	1611.57
45.0	1835.00	1837.43	1832.29	1823.36	1811.46	1775.22	1723.01	1627.26	1539.62
60.0	1771.43	1758.18	1734.91	1703.27	1660.53	1598.59	1537.19	1436.57	1362.72
75.0	2011.90	1967.81	1928.58	1886.12	1836.89	1779.27	1689.74	1628.88	1577.22
90.0	2136.86	2103.86	2031.37	1971.86	1873.95	1810.11	1735.46	1639.70	1528.80
105.0	2011.90	1967.81	1928.58	1886.12	1836.89	1779.27	1689.74	1628.88	1577.22
120.0	1771.43	1758.18	1734.91	1703.27	1660.53	1598.59	1537.19	1436.57	1362.72
135.0	1835.00	1837.43	1832.29	1823.36	1811.46	1775.22	1723.01	1627.26	1539.62
150.0	2030.56	2037.05	2038.67	2028.67	1998.64	1951.04	1876.11	1778.73	1611.57
165.0	2197.18	2229.37	2255.60	2279.14	2285.09	2286.98	2227.75	2147.41	2023.80
180.0	2286.17	2325.66	2372.73	2394.91	2373.81	2325.12	2238.02	2109.81	1941.57
195.0	2197.18	2229.37	2255.60	2279.14	2285.09	2286.98	2227.75	2147.41	2023.80
210.0	2030.56	2037.05	2038.67	2028.67	1998.64	1951.04	1876.11	1778.73	1611.57
225.0	1835.00	1837.43	1832.29	1823.36	1811.46	1775.22	1723.01	1627.26	1539.62
240.0	1771.43	1758.18	1734.91	1703.27	1660.53	1598.59	1537.19	1436.57	1362.72
255.0	2011.90	1967.81	1928.58	1886.12	1836.89	1779.27	1689.74	1628.88	1577.22
270.0	2136.86	2103.86	2031.37	1971.86	1873.95	1810.11	1735.46	1639.70	1528.80
285.0	2011.90	1967.81	1928.58	1886.12	1836.89	1779.27	1689.74	1628.88	1577.22
300.0	1771.43	1758.18	1734.91	1703.27	1660.53	1598.59	1537.19	1436.57	1362.72
315.0	1835.00	1837.43	1832.29	1823.36	1811.46	1775.22	1723.01	1627.26	1539.62
330.0	2030.56	2037.05	2038.67	2028.67	1998.64	1951.04	1876.11	1778.73	1611.57
345.0	2197.18	2229.37	2255.60	2279.14	2285.09	2286.98	2227.75	2147.41	2023.80
360.0	2286.17	2325.66	2372.73	2394.91	2373.81	2325.12	2238.02	2109.81	1941.57

C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1744.65	1520.69	1282.66	939.68	727.07	544.76	374.36	235.32	137.41
15.0	1789.01	1555.04	1281.85	990.80	644.58	409.52	230.73	100.35	76.55
30.0	1430.61	1271.03	1072.49	923.72	784.69	655.12	489.04	385.99	269.68
45.0	1435.48	1292.39	1167.70	1038.95	908.03	771.16	584.26	421.96	256.69
60.0	1281.85	1213.68	1148.77	1068.97	959.96	833.38	710.30	529.89	417.64
75.0	1511.76	1450.36	1360.56	1246.41	1081.14	994.86	905.87	690.02	560.45
90.0	1437.38	1390.31	1390.31	1401.13	1384.36	1153.36	975.92	770.89	571.27
105.0	1511.76	1450.36	1360.56	1246.41	1081.14	994.86	905.87	690.02	560.45
120.0	1281.85	1213.68	1148.77	1068.97	959.96	833.38	710.30	529.89	417.64
135.0	1435.48	1292.39	1167.70	1038.95	908.03	771.16	584.26	421.96	256.69
150.0	1430.61	1271.03	1072.49	923.72	784.69	655.12	489.04	385.99	269.68
165.0	1789.01	1555.04	1281.85	990.80	644.58	409.52	230.73	100.35	76.55
180.0	1744.65	1520.69	1282.66	939.68	727.07	544.76	374.36	235.32	137.41
195.0	1789.01	1555.04	1281.85	990.80	644.58	409.52	230.73	100.35	76.55
210.0	1430.61	1271.03	1072.49	923.72	784.69	655.12	489.04	385.99	269.68
225.0	1435.48	1292.39	1167.70	1038.95	908.03	771.16	584.26	421.96	256.69
240.0	1281.85	1213.68	1148.77	1068.97	959.96	833.38	710.30	529.89	417.64
255.0	1511.76	1450.36	1360.56	1246.41	1081.14	994.86	905.87	690.02	560.45
270.0	1437.38	1390.31	1390.31	1401.13	1384.36	1153.36	975.92	770.89	571.27
285.0	1511.76	1450.36	1360.56	1246.41	1081.14	994.86	905.87	690.02	560.45
300.0	1281.85	1213.68	1148.77	1068.97	959.96	833.38	710.30	529.89	417.64
315.0	1435.48	1292.39	1167.70	1038.95	908.03	771.16	584.26	421.96	256.69
330.0	1430.61	1271.03	1072.49	923.72	784.69	655.12	489.04	385.99	269.68
345.0	1789.01	1555.04	1281.85	990.80	644.58	409.52	230.73	100.35	76.55
360.0	1744.65	1520.69	1282.66	939.68	727.07	544.76	374.36	235.32	137.41

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	79.52	57.89	51.39	47.07	42.74	36.25	32.46	29.21	24.89
15.0	68.16	61.13	55.72	50.85	46.25	38.95	36.52	33.54	28.67
30.0	218.01	144.44	97.92	68.97	56.53	51.66	46.25	42.20	37.33
45.0	170.41	115.77	82.50	66.54	57.89	51.12	47.07	40.57	36.79
60.0	314.31	181.23	124.70	89.80	68.70	56.80	49.77	45.71	39.49
75.0	429.54	267.51	190.15	136.06	99.00	74.11	60.05	52.75	44.90
90.0	398.16	260.21	166.08	109.82	75.20	53.56	47.61	39.49	34.62
105.0	429.54	267.51	190.15	136.06	99.00	74.11	60.05	52.75	44.90
120.0	314.31	181.23	124.70	89.80	68.70	56.80	49.77	45.71	39.49
135.0	170.41	115.77	82.50	66.54	57.89	51.12	47.07	40.57	36.79
150.0	218.01	144.44	97.92	68.97	56.53	51.66	46.25	42.20	37.33
165.0	68.16	61.13	55.72	50.85	46.25	38.95	36.52	33.54	28.67
180.0	79.52	57.89	51.39	47.07	42.74	36.25	32.46	29.21	24.89
195.0	68.16	61.13	55.72	50.85	46.25	38.95	36.52	33.54	28.67
210.0	218.01	144.44	97.92	68.97	56.53	51.66	46.25	42.20	37.33
225.0	170.41	115.77	82.50	66.54	57.89	51.12	47.07	40.57	36.79
240.0	314.31	181.23	124.70	89.80	68.70	56.80	49.77	45.71	39.49
255.0	429.54	267.51	190.15	136.06	99.00	74.11	60.05	52.75	44.90
270.0	398.16	260.21	166.08	109.82	75.20	53.56	47.61	39.49	34.62
285.0	429.54	267.51	190.15	136.06	99.00	74.11	60.05	52.75	44.90
300.0	314.31	181.23	124.70	89.80	68.70	56.80	49.77	45.71	39.49
315.0	170.41	115.77	82.50	66.54	57.89	51.12	47.07	40.57	36.79
330.0	218.01	144.44	97.92	68.97	56.53	51.66	46.25	42.20	37.33
345.0	68.16	61.13	55.72	50.85	46.25	38.95	36.52	33.54	28.67
360.0	79.52	57.89	51.39	47.07	42.74	36.25	32.46	29.21	24.89
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	22.72	19.48	17.31	14.07	11.36	9.74	6.49	4.87	3.79
15.0	26.24	23.26	19.48	16.77	14.34	11.90	9.74	6.76	4.87
30.0	31.65	28.67	25.16	20.83	18.66	15.42	12.98	11.09	8.93
45.0	33.00	27.86	24.89	22.45	19.75	17.04	14.88	12.71	10.82
60.0	34.62	30.84	27.32	22.99	21.10	18.12	15.69	14.07	12.17
75.0	40.30	36.25	29.48	25.70	22.18	19.21	15.69	12.98	11.09
90.0	28.67	25.43	22.72	18.93	15.69	12.44	8.11	5.41	3.25
105.0	40.30	36.25	29.48	25.70	22.18	19.21	15.69	12.98	11.09
120.0	34.62	30.84	27.32	22.99	21.10	18.12	15.69	14.07	12.17
135.0	33.00	27.86	24.89	22.45	19.75	17.04	14.88	12.71	10.82
150.0	31.65	28.67	25.16	20.83	18.66	15.42	12.98	11.09	8.93
165.0	26.24	23.26	19.48	16.77	14.34	11.90	9.74	6.76	4.87
180.0	22.72	19.48	17.31	14.07	11.36	9.74	6.49	4.87	3.79
195.0	26.24	23.26	19.48	16.77	14.34	11.90	9.74	6.76	4.87
210.0	31.65	28.67	25.16	20.83	18.66	15.42	12.98	11.09	8.93
225.0	33.00	27.86	24.89	22.45	19.75	17.04	14.88	12.71	10.82
240.0	34.62	30.84	27.32	22.99	21.10	18.12	15.69	14.07	12.17
255.0	40.30	36.25	29.48	25.70	22.18	19.21	15.69	12.98	11.09
270.0	28.67	25.43	22.72	18.93	15.69	12.44	8.11	5.41	3.25
285.0	40.30	36.25	29.48	25.70	22.18	19.21	15.69	12.98	11.09
300.0	34.62	30.84	27.32	22.99	21.10	18.12	15.69	14.07	12.17
315.0	33.00	27.86	24.89	22.45	19.75	17.04	14.88	12.71	10.82
330.0	31.65	28.67	25.16	20.83	18.66	15.42	12.98	11.09	8.93
345.0	26.24	23.26	19.48	16.77	14.34	11.90	9.74	6.76	4.87
360.0	22.72	19.48	17.31	14.07	11.36	9.74	6.49	4.87	3.79

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	2.70	2.16	1.08	0.54	0.54	0.54	0.54	0.54	0.54
15.0	2.70	1.35	0.81	0.81	0.54	0.54	0.54	0.54	0.54
30.0	7.03	5.41	4.33	3.52	2.98	2.43	2.16	2.16	1.62
45.0	8.66	7.57	5.95	5.68	5.41	5.14	4.87	4.60	4.33
60.0	10.55	9.74	9.20	8.38	7.57	7.30	7.30	6.49	6.49
75.0	8.93	8.11	6.76	5.95	5.95	5.95	5.95	5.68	5.41
90.0	2.16	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	8.93	8.11	6.76	5.95	5.95	5.95	5.95	5.68	5.41
120.0	10.55	9.74	9.20	8.38	7.57	7.30	7.30	6.49	6.49
135.0	8.66	7.57	5.95	5.68	5.41	5.14	4.87	4.60	4.33
150.0	7.03	5.41	4.33	3.52	2.98	2.43	2.16	2.16	1.62
165.0	2.70	1.35	0.81	0.81	0.54	0.54	0.54	0.54	0.54
180.0	2.70	2.16	1.08	0.54	0.54	0.54	0.54	0.54	0.54
195.0	2.70	1.35	0.81	0.81	0.54	0.54	0.54	0.54	0.54
210.0	7.03	5.41	4.33	3.52	2.98	2.43	2.16	2.16	1.62
225.0	8.66	7.57	5.95	5.68	5.41	5.14	4.87	4.60	4.33
240.0	10.55	9.74	9.20	8.38	7.57	7.30	7.30	6.49	6.49
255.0	8.93	8.11	6.76	5.95	5.95	5.95	5.95	5.68	5.41
270.0	2.16	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	8.93	8.11	6.76	5.95	5.95	5.95	5.95	5.68	5.41
300.0	10.55	9.74	9.20	8.38	7.57	7.30	7.30	6.49	6.49
315.0	8.66	7.57	5.95	5.68	5.41	5.14	4.87	4.60	4.33
330.0	7.03	5.41	4.33	3.52	2.98	2.43	2.16	2.16	1.62
345.0	2.70	1.35	0.81	0.81	0.54	0.54	0.54	0.54	0.54
360.0	2.70	2.16	1.08	0.54	0.54	0.54	0.54	0.54	0.54
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.54	0.54	0.54	0.00	0.00	0.00	0.00	0.00	0.54
15.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
30.0	1.62	1.62	1.62	1.62	1.62	1.35	1.08	1.08	1.08
45.0	4.06	3.79	3.25	2.98	2.70	2.16	2.16	2.16	1.89
60.0	5.95	5.95	5.14	4.87	4.33	3.79	3.52	2.98	2.98
75.0	5.41	5.41	4.87	4.33	4.33	4.06	3.52	3.25	2.98
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	5.41	5.41	4.87	4.33	4.33	4.06	3.52	3.25	2.98
120.0	5.95	5.95	5.14	4.87	4.33	3.79	3.52	2.98	2.98
135.0	4.06	3.79	3.25	2.98	2.70	2.16	2.16	2.16	1.89
150.0	1.62	1.62	1.62	1.62	1.62	1.35	1.08	1.08	1.08
165.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
180.0	0.54	0.54	0.54	0.00	0.00	0.00	0.00	0.00	0.54
195.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
210.0	1.62	1.62	1.62	1.62	1.62	1.35	1.08	1.08	1.08
225.0	4.06	3.79	3.25	2.98	2.70	2.16	2.16	2.16	1.89
240.0	5.95	5.95	5.14	4.87	4.33	3.79	3.52	2.98	2.98
255.0	5.41	5.41	4.87	4.33	4.33	4.06	3.52	3.25	2.98
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	5.41	5.41	4.87	4.33	4.33	4.06	3.52	3.25	2.98
300.0	5.95	5.95	5.14	4.87	4.33	3.79	3.52	2.98	2.98
315.0	4.06	3.79	3.25	2.98	2.70	2.16	2.16	2.16	1.89
330.0	1.62	1.62	1.62	1.62	1.62	1.35	1.08	1.08	1.08
345.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
360.0	0.54	0.54	0.54	0.00	0.00	0.00	0.00	0.00	0.54

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
15.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
30.0	1.08	1.08	1.08	1.08	0.81	0.54	0.54	0.54	0.54
45.0	1.89	1.35	1.35	1.08	1.08	0.54	0.54	0.54	0.54
60.0	2.43	1.89	1.89	1.62	1.62	1.62	1.35	1.08	1.08
75.0	2.70	2.43	2.16	1.89	1.89	1.62	1.35	1.35	1.35
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	2.70	2.43	2.16	1.89	1.89	1.62	1.35	1.35	1.35
120.0	2.43	1.89	1.89	1.62	1.62	1.62	1.35	1.08	1.08
135.0	1.89	1.35	1.35	1.08	1.08	0.54	0.54	0.54	0.54
150.0	1.08	1.08	1.08	1.08	0.81	0.54	0.54	0.54	0.54
165.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
180.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
195.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
210.0	1.08	1.08	1.08	1.08	0.81	0.54	0.54	0.54	0.54
225.0	1.89	1.35	1.35	1.08	1.08	0.54	0.54	0.54	0.54
240.0	2.43	1.89	1.89	1.62	1.62	1.62	1.35	1.08	1.08
255.0	2.70	2.43	2.16	1.89	1.89	1.62	1.35	1.35	1.35
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	2.70	2.43	2.16	1.89	1.89	1.62	1.35	1.35	1.35
300.0	2.43	1.89	1.89	1.62	1.62	1.62	1.35	1.08	1.08
315.0	1.89	1.35	1.35	1.08	1.08	0.54	0.54	0.54	0.54
330.0	1.08	1.08	1.08	1.08	0.81	0.54	0.54	0.54	0.54
345.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
360.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.54	0.54	0.54	0.54	1.08	1.08	1.08	1.08	1.08
15.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
30.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
45.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
60.0	1.08	1.08	0.81	0.81	0.54	0.54	0.54	0.54	0.54
75.0	0.81	0.81	0.81	0.81	0.54	0.54	0.54	0.54	0.54
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.81	0.81	0.81	0.81	0.54	0.54	0.54	0.54	0.54
120.0	1.08	1.08	0.81	0.81	0.54	0.54	0.54	0.54	0.54
135.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
150.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
165.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
180.0	0.54	0.54	0.54	0.54	1.08	1.08	1.08	1.08	1.08
195.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
210.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
225.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
240.0	1.08	1.08	0.81	0.81	0.54	0.54	0.54	0.54	0.54
255.0	0.81	0.81	0.81	0.81	0.54	0.54	0.54	0.54	0.54
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.81	0.81	0.81	0.81	0.54	0.54	0.54	0.54	0.54
300.0	1.08	1.08	0.81	0.81	0.54	0.54	0.54	0.54	0.54
315.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
330.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
345.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
360.0	0.54	0.54	0.54	0.54	1.08	1.08	1.08	1.08	1.08

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	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.54	0.54
15.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
30.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
45.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
60.0	0.54	0.54	0.54	0.27	0.27	0.54	0.54	0.27	0.27
75.0	0.54	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.27
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.54	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.27
120.0	0.54	0.54	0.54	0.27	0.27	0.54	0.54	0.27	0.27
135.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
150.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
165.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
180.0	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.54	0.54
195.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
210.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
225.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
240.0	0.54	0.54	0.54	0.27	0.27	0.54	0.54	0.27	0.27
255.0	0.54	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.27
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.54	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.27
300.0	0.54	0.54	0.54	0.27	0.27	0.54	0.54	0.27	0.27
315.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
330.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
345.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
360.0	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.54	0.54
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.00
15.0	0.54	0.81	0.81	0.54	0.27	0.27	0.27	0.00	0.00
30.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.27
45.0	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.00	0.00
60.0	0.54	0.54	0.54	0.54	0.27	0.27	0.00	0.00	0.00
75.0	0.27	0.27	0.27	0.27	0.27	0.27	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	0.27	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.00
120.0	0.54	0.54	0.54	0.54	0.27	0.27	0.00	0.00	0.00
135.0	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.00	0.00
150.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.27
165.0	0.54	0.81	0.81	0.54	0.27	0.27	0.27	0.00	0.00
180.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.00
195.0	0.54	0.81	0.81	0.54	0.27	0.27	0.27	0.00	0.00
210.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.27
225.0	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.00	0.00
240.0	0.54	0.54	0.54	0.54	0.27	0.27	0.00	0.00	0.00
255.0	0.27	0.27	0.27	0.27	0.27	0.27	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	0.27	0.27	0.27	0.27	0.27	0.27	0.00	0.00	0.00
300.0	0.54	0.54	0.54	0.54	0.27	0.27	0.00	0.00	0.00
315.0	0.54	0.54	0.54	0.54	0.27	0.27	0.27	0.00	0.00
330.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.27
345.0	0.54	0.81	0.81	0.54	0.27	0.27	0.27	0.00	0.00
360.0	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	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	0.27	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	0.27	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	0.27	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	0.27	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