

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	48.000 W
Luminaire	:	0003010030 48W 3000K 6240lm PF	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	6240.0 lm	:	Width : 348 mm
Number of Lamps	:	1	:	Length : 348 mm
Phm Type	:	C	:	Height : 0 mm

Photometric Results

Lumens(lm)	:	6240.00	Central intensity(cd)	:	1152.262
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2278.075
Luminous Efficacy(lm/W)	:	130.00	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 :	:	79.439%			

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	1152.262	0.000	0	0.00%	0.00%
1.0	1152.262	1.103	1.103	0.02%	0.02%
2.0	1155.718	3.313	4.415	0.05%	0.07%
3.0	1155.290	5.527	9.942	0.09%	0.16%
4.0	1154.775	7.733	17.675	0.12%	0.28%
5.0	1155.161	9.937	27.612	0.16%	0.44%
6.0	1153.917	12.135	39.747	0.19%	0.64%
7.0	1147.828	14.287	54.034	0.23%	0.87%
8.0	1144.441	16.405	70.439	0.26%	1.13%
9.0	1141.824	18.529	88.968	0.30%	1.43%
10.0	1132.390	20.581	109.549	0.33%	1.76%
11.0	1126.473	22.571	132.12	0.36%	2.12%
12.0	1118.625	24.542	156.662	0.39%	2.51%
13.0	1110.349	26.452	183.114	0.42%	2.93%
14.0	1104.303	28.347	211.461	0.45%	3.39%
15.0	1099.628	30.257	241.718	0.48%	3.87%
16.0	1093.239	32.132	273.85	0.51%	4.39%
17.0	1091.910	34.029	307.878	0.55%	4.93%
18.0	1097.313	36.096	343.974	0.58%	5.51%
19.0	1101.387	38.253	382.227	0.61%	6.13%
20.0	1112.750	40.525	422.752	0.65%	6.77%
21.0	1127.073	43.009	465.761	0.69%	7.46%
22.0	1141.310	45.584	511.345	0.73%	8.19%
23.0	1156.704	48.219	559.563	0.77%	8.97%
24.0	1182.434	51.142	610.705	0.82%	9.79%
25.0	1209.535	54.388	665.093	0.87%	10.66%
26.0	1231.748	57.627	722.72	0.92%	11.58%
27.0	1264.296	61.066	783.786	0.98%	12.56%
28.0	1304.648	65.040	848.827	1.04%	13.60%
29.0	1340.798	69.212	918.039	1.11%	14.71%
30.0	1373.432	73.284	991.323	1.17%	15.89%
31.0	1405.765	77.341	1068.664	1.24%	17.13%
32.0	1430.551	81.257	1149.921	1.30%	18.43%
33.0	1449.461	84.846	1234.767	1.36%	19.79%
34.0	1476.606	88.551	1323.318	1.42%	21.21%
35.0	1504.222	92.573	1415.892	1.48%	22.69%
36.0	1519.574	96.278	1512.17	1.54%	24.23%
37.0	1535.440	99.637	1611.808	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	1560.526	103.339	1715.147	1.66%	27.49%
39.0	1581.110	107.233	1822.379	1.72%	29.20%
40.0	1605.981	111.154	1933.534	1.78%	30.99%
41.0	1626.737	115.116	2048.649	1.84%	32.83%
42.0	1653.967	119.194	2167.843	1.91%	34.74%
43.0	1681.326	123.549	2291.392	1.98%	36.72%
44.0	1707.055	127.887	2419.279	2.05%	38.77%
45.0	1732.269	132.177	2551.456	2.12%	40.89%
46.0	1756.798	136.450	2687.906	2.19%	43.08%
47.0	1776.824	140.541	2828.447	2.25%	45.33%
48.0	1802.082	144.678	2973.125	2.32%	47.65%
49.0	1828.326	149.085	3122.21	2.39%	50.04%
50.0	1851.696	153.433	3275.643	2.46%	52.49%
51.0	1872.151	157.550	3433.193	2.52%	55.02%
52.0	1887.975	161.350	3594.543	2.59%	57.60%
53.0	1902.555	164.888	3759.431	2.64%	60.25%
54.0	1911.560	168.110	3927.541	2.69%	62.94%
55.0	1909.502	170.566	4098.107	2.73%	65.67%
56.0	1901.182	172.194	4270.301	2.76%	68.43%
57.0	1887.203	173.214	4443.515	2.78%	71.21%
58.0	1857.486	173.168	4616.682	2.78%	73.99%
59.0	1816.619	171.767	4788.449	2.75%	76.74%
60.0	1750.323	168.515	4956.964	2.70%	79.44%
61.0	1663.615	162.920	5119.884	2.61%	82.05%
62.0	1561.599	155.410	5275.294	2.49%	84.54%
63.0	1433.123	145.649	5420.943	2.33%	86.87%
64.0	1306.021	134.409	5555.351	2.15%	89.03%
65.0	1168.069	122.441	5677.792	1.96%	90.99%
66.0	1020.854	109.213	5787.005	1.75%	92.74%
67.0	861.503	94.650	5881.655	1.52%	94.26%
68.0	715.490	79.885	5961.541	1.28%	95.54%
69.0	569.990	65.579	6027.12	1.05%	96.59%
70.0	417.158	50.698	6077.818	0.81%	97.40%
71.0	306.822	37.419	6115.237	0.60%	98.00%
72.0	228.176	27.818	6143.055	0.45%	98.45%
73.0	147.300	19.635	6162.69	0.31%	98.76%
74.0	104.590	13.243	6175.932	0.21%	98.97%
75.0	77.788	9.636	6185.569	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	61.408	7.389	6192.958	0.12%	99.25%
77.0	50.344	5.958	6198.916	0.10%	99.34%
78.0	44.340	5.069	6203.984	0.08%	99.42%
79.0	39.495	4.504	6208.489	0.07%	99.50%
80.0	34.392	3.983	6212.472	0.06%	99.56%
81.0	30.360	3.502	6215.974	0.06%	99.62%
82.0	26.844	3.102	6219.076	0.05%	99.66%
83.0	23.199	2.720	6221.796	0.04%	99.71%
84.0	19.854	2.345	6224.142	0.04%	99.75%
85.0	17.367	2.031	6226.173	0.03%	99.78%
86.0	14.709	1.753	6227.926	0.03%	99.81%
87.0	12.093	1.467	6229.393	0.02%	99.83%
88.0	9.949	1.207	6230.601	0.02%	99.85%
89.0	8.148	0.992	6231.593	0.02%	99.87%
90.0	6.389	0.797	6232.39	0.01%	99.88%
91.0	5.360	0.644	6233.034	0.01%	99.89%
92.0	4.374	0.534	6233.567	0.01%	99.90%
93.0	3.902	0.453	6234.021	0.01%	99.90%
94.0	3.602	0.411	6234.431	0.01%	99.91%
95.0	3.430	0.384	6234.816	0.01%	99.92%
96.0	3.345	0.370	6235.186	0.01%	99.92%
97.0	3.130	0.353	6235.538	0.01%	99.93%
98.0	2.959	0.331	6235.869	0.01%	99.93%
99.0	2.830	0.314	6236.183	0.01%	99.94%
100.0	2.787	0.304	6236.487	0.00%	99.94%
101.0	2.487	0.284	6236.771	0.00%	99.95%
102.0	2.273	0.256	6237.027	0.00%	99.95%
103.0	2.144	0.236	6237.264	0.00%	99.96%
104.0	1.887	0.215	6237.478	0.00%	99.96%
105.0	1.715	0.191	6237.67	0.00%	99.96%
106.0	1.587	0.174	6237.844	0.00%	99.97%
107.0	1.544	0.165	6238.009	0.00%	99.97%
108.0	1.415	0.155	6238.163	0.00%	99.97%
109.0	1.200	0.136	6238.299	0.00%	99.97%
110.0	1.158	0.122	6238.421	0.00%	99.97%
111.0	1.029	0.112	6238.534	0.00%	99.98%
112.0	0.986	0.103	6238.636	0.00%	99.98%
113.0	0.815	0.091	6238.728	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	0.729	0.078	6238.805	0.00%	99.98%
115.0	0.686	0.071	6238.876	0.00%	99.98%
116.0	0.686	0.068	6238.944	0.00%	99.98%
117.0	0.600	0.063	6239.007	0.00%	99.98%
118.0	0.600	0.058	6239.065	0.00%	99.99%
119.0	0.557	0.056	6239.121	0.00%	99.99%
120.0	0.557	0.053	6239.174	0.00%	99.99%
121.0	0.514	0.051	6239.225	0.00%	99.99%
122.0	0.514	0.048	6239.273	0.00%	99.99%
123.0	0.514	0.048	6239.32	0.00%	99.99%
124.0	0.514	0.047	6239.367	0.00%	99.99%
125.0	0.514	0.046	6239.414	0.00%	99.99%
126.0	0.514	0.046	6239.46	0.00%	99.99%
127.0	0.514	0.045	6239.505	0.00%	99.99%
128.0	0.514	0.045	6239.55	0.00%	99.99%
129.0	0.471	0.042	6239.592	0.00%	99.99%
130.0	0.471	0.040	6239.632	0.00%	99.99%
131.0	0.471	0.039	6239.671	0.00%	99.99%
132.0	0.471	0.039	6239.71	0.00%	100.00%
133.0	0.386	0.035	6239.744	0.00%	100.00%
134.0	0.386	0.031	6239.775	0.00%	100.00%
135.0	0.428	0.032	6239.807	0.00%	100.00%
136.0	0.471	0.035	6239.841	0.00%	100.00%
137.0	0.471	0.036	6239.877	0.00%	100.00%
138.0	0.428	0.033	6239.91	0.00%	100.00%
139.0	0.300	0.026	6239.937	0.00%	100.00%
140.0	0.300	0.021	6239.958	0.00%	100.00%
141.0	0.214	0.018	6239.976	0.00%	100.00%
142.0	0.129	0.012	6239.988	0.00%	100.00%
143.0	0.043	0.006	6239.993	0.00%	100.00%
144.0	0.043	0.003	6239.996	0.00%	100.00%
145.0	0.000	0.001	6239.998	0.00%	100.00%
146.0	0.000	0.000	6239.998	0.00%	100.00%
147.0	0.000	0.000	6239.998	0.00%	100.00%
148.0	0.000	0.000	6239.998	0.00%	100.00%
149.0	0.000	0.000	6239.998	0.00%	100.00%
150.0	0.000	0.000	6239.998	0.00%	100.00%
151.0	0.000	0.000	6239.998	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	6239.998	0.00%	100.00%
153.0	0.000	0.000	6239.998	0.00%	100.00%
154.0	0.000	0.000	6239.998	0.00%	100.00%
155.0	0.000	0.000	6239.998	0.00%	100.00%
156.0	0.000	0.000	6239.998	0.00%	100.00%
157.0	0.000	0.000	6239.998	0.00%	100.00%
158.0	0.000	0.000	6239.998	0.00%	100.00%
159.0	0.000	0.000	6239.998	0.00%	100.00%
160.0	0.000	0.000	6239.998	0.00%	100.00%
161.0	0.000	0.000	6239.998	0.00%	100.00%
162.0	0.000	0.000	6239.998	0.00%	100.00%
163.0	0.000	0.000	6239.998	0.00%	100.00%
164.0	0.000	0.000	6239.998	0.00%	100.00%
165.0	0.000	0.000	6239.998	0.00%	100.00%
166.0	0.000	0.000	6239.998	0.00%	100.00%
167.0	0.000	0.000	6239.998	0.00%	100.00%
168.0	0.000	0.000	6239.998	0.00%	100.00%
169.0	0.000	0.000	6239.998	0.00%	100.00%
170.0	0.000	0.000	6239.998	0.00%	100.00%
171.0	0.000	0.000	6239.998	0.00%	100.00%
172.0	0.000	0.000	6239.998	0.00%	100.00%
173.0	0.000	0.000	6239.998	0.00%	100.00%
174.0	0.000	0.000	6239.998	0.00%	100.00%
175.0	0.000	0.000	6239.998	0.00%	100.00%
176.0	0.000	0.000	6239.998	0.00%	100.00%
177.0	0.000	0.000	6239.998	0.00%	100.00%
178.0	0.000	0.000	6239.998	0.00%	100.00%
179.0	0.000	0.000	6239.998	0.00%	100.00%
180.0	0.000	0.000	6239.998	0.00%	100.00%

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

Date:
Humidity(%): 56%

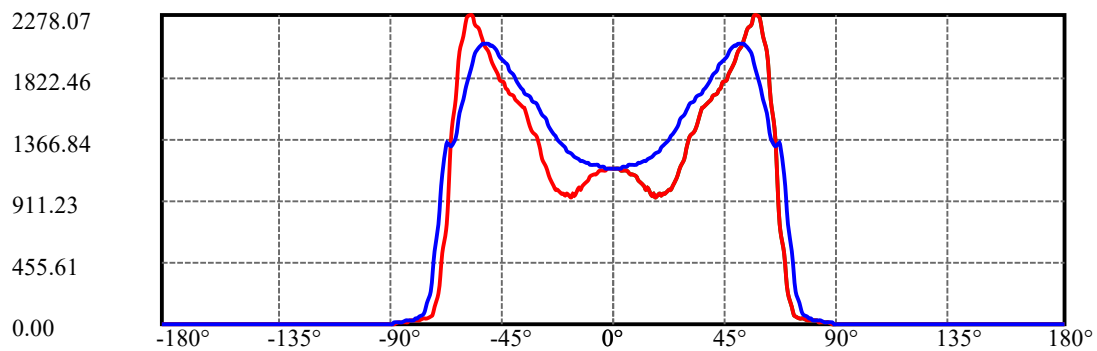
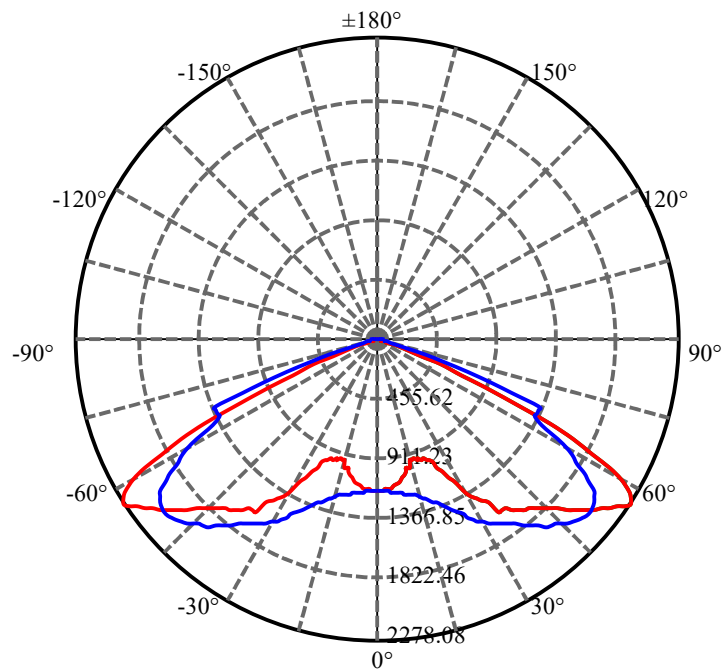
Operator: LSC

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	991.32	15.89%	15.89%
0-40	1933.53	30.99%	30.99%
0-60	4956.96	79.44%	79.44%
0-90	6232.39	99.88%	99.88%
0-120	6239.17	99.99%	99.99%
0-180	6240.00	100.00%	100.00%
60-90	1275.43	20.44%	20.44%
90-120	6.78	0.11%	0.11%
90-130	7.24	0.12%	0.12%
90-150	7.61	0.12%	0.12%
90-180	7.61	0.12%	0.12%
0-60.22	4992.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	109.55
10-20	313.20
20-30	568.57
30-40	942.21
40-50	1342.11
50-60	1681.32
60-70	1120.85
70-80	134.65
80-90	19.92
90-100	4.10
100-110	1.93
110-120	0.75
120-130	0.46
130-140	0.33
140-150	0.04
150-160	0.00
160-170	0.00
170-180	0.00



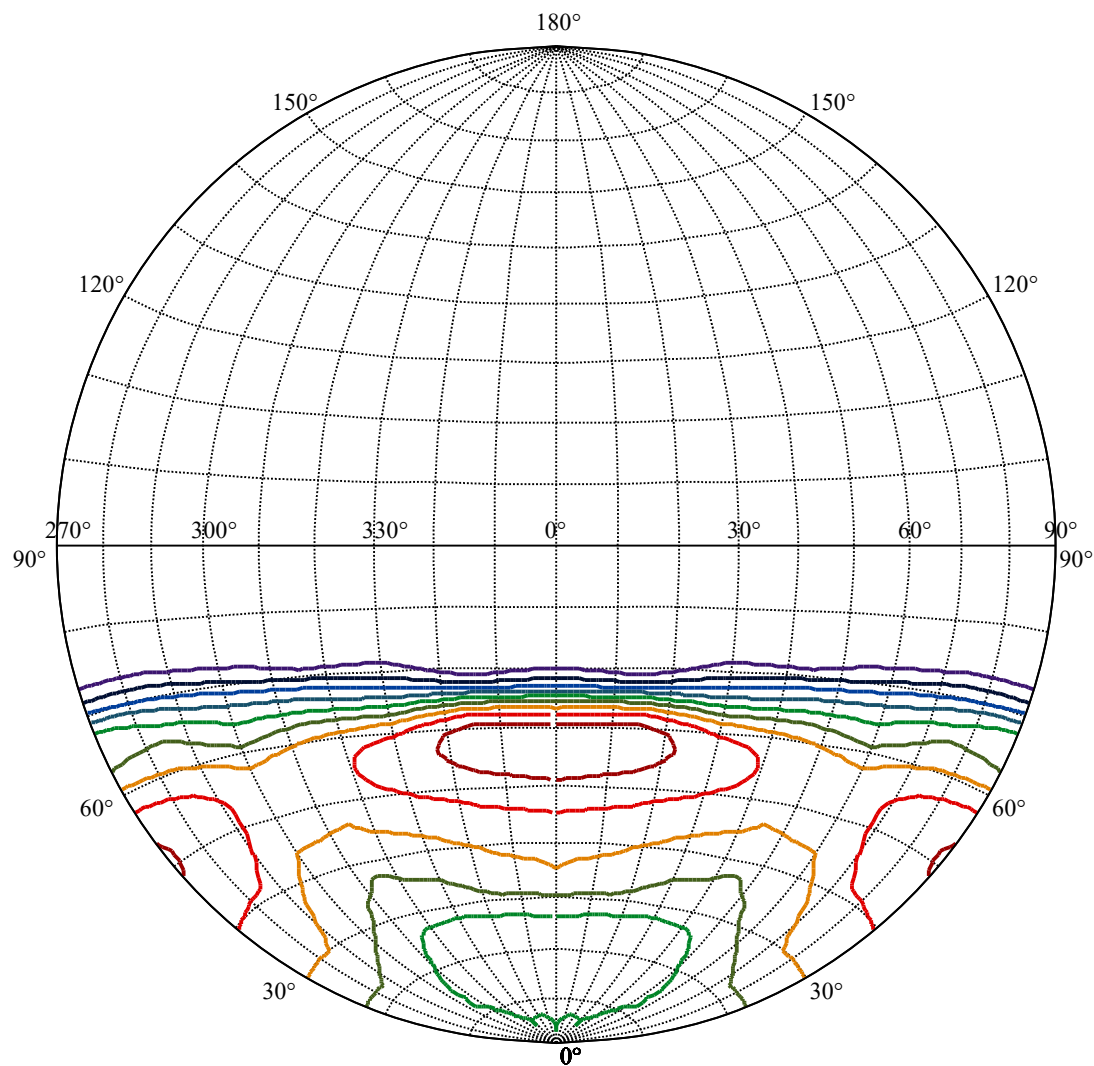
C0(Max): —————

C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:127.0 Right:13.0
:C90/270Left:124.5 Right:22.5

Beam Angle(50%Imax):C0/180Left:122.2 Right:8.2
:C90/270Left:119.4 Right:17.4

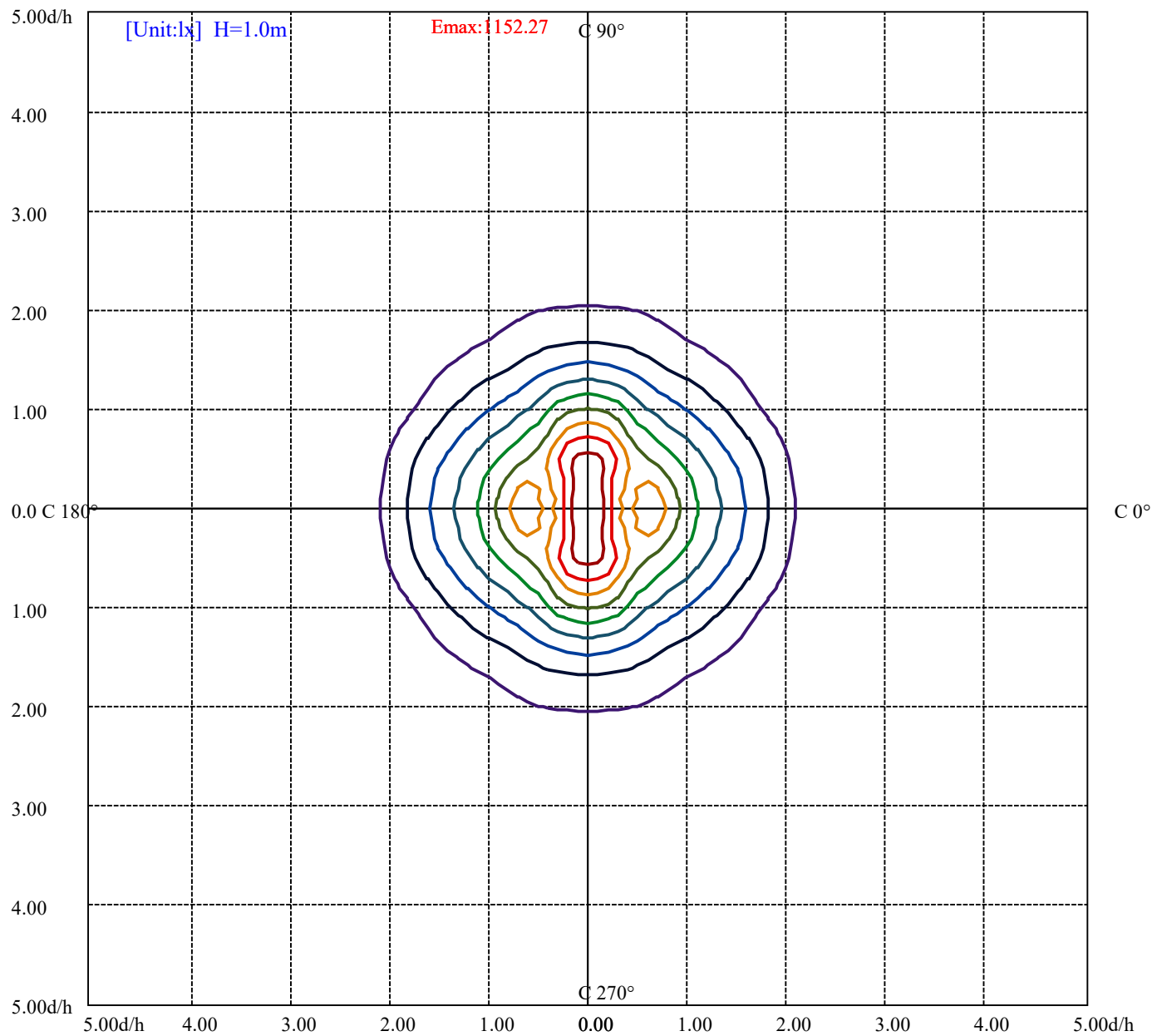


House

[Unit:cd]

Road

Imax:2278.08	
(10%Imax) 227.807	
(20%Imax) 455.615	
(30%Imax) 683.422	
(40%Imax) 911.23	
(50%Imax) 1139.04	
(60%Imax) 1366.84	
(70%Imax) 1594.65	
(80%Imax) 1822.46	
(90%Imax) 2050.27	



(10%Emax)	115.226	
(20%Emax)	230.452	
(30%Emax)	345.679	
(40%Emax)	460.905	
(50%Emax)	576.131	
(60%Emax)	691.357	
(70%Emax)	806.583	
(80%Emax)	921.81	
(90%Emax)	1037.04	

Intensity data(cd)

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C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1152.26	1152.26	1145.47	1136.21	1137.24	1136.21	1123.34	1107.39	1098.64
15.0	1152.26	1152.26	1154.99	1158.33	1158.33	1156.79	1147.01	1137.24	1126.17
30.0	1152.26	1152.26	1148.82	1146.76	1141.61	1138.01	1138.78	1123.34	1123.09
45.0	1152.26	1152.26	1165.28	1165.02	1162.19	1163.22	1165.54	1159.11	1143.67
60.0	1152.26	1152.26	1147.01	1146.76	1148.30	1150.36	1151.39	1148.82	1153.96
75.0	1152.26	1152.26	1171.46	1171.71	1172.74	1173.26	1175.32	1179.18	1182.26
90.0	1152.26	1152.26	1148.04	1150.10	1153.70	1162.45	1167.60	1171.20	1176.35
105.0	1152.26	1152.26	1171.46	1171.71	1172.74	1173.26	1175.32	1179.18	1182.26
120.0	1152.26	1152.26	1147.01	1146.76	1148.30	1150.36	1151.39	1148.82	1153.96
135.0	1152.26	1152.26	1165.28	1165.02	1162.19	1163.22	1165.54	1159.11	1143.67
150.0	1152.26	1152.26	1148.82	1146.76	1141.61	1138.01	1138.78	1123.34	1123.09
165.0	1152.26	1152.26	1154.99	1158.33	1158.33	1156.79	1147.01	1137.24	1126.17
180.0	1152.26	1152.26	1145.47	1136.21	1137.24	1136.21	1123.34	1107.39	1098.64
195.0	1152.26	1152.26	1154.99	1158.33	1158.33	1156.79	1147.01	1137.24	1126.17
210.0	1152.26	1152.26	1148.82	1146.76	1141.61	1138.01	1138.78	1123.34	1123.09
225.0	1152.26	1152.26	1165.28	1165.02	1162.19	1163.22	1165.54	1159.11	1143.67
240.0	1152.26	1152.26	1147.01	1146.76	1148.30	1150.36	1151.39	1148.82	1153.96
255.0	1152.26	1152.26	1171.46	1171.71	1172.74	1173.26	1175.32	1179.18	1182.26
270.0	1152.26	1152.26	1148.04	1150.10	1153.70	1162.45	1167.60	1171.20	1176.35
285.0	1152.26	1152.26	1171.46	1171.71	1172.74	1173.26	1175.32	1179.18	1182.26
300.0	1152.26	1152.26	1147.01	1146.76	1148.30	1150.36	1151.39	1148.82	1153.96
315.0	1152.26	1152.26	1165.28	1165.02	1162.19	1163.22	1165.54	1159.11	1143.67
330.0	1152.26	1152.26	1148.82	1146.76	1141.61	1138.01	1138.78	1123.34	1123.09
345.0	1152.26	1152.26	1154.99	1158.33	1158.33	1156.79	1147.01	1137.24	1126.17
360.0	1152.26	1152.26	1145.47	1136.21	1137.24	1136.21	1123.34	1107.39	1098.64

C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1085.78	1059.53	1051.82	1025.57	996.24	1000.87	950.96	955.59	939.64
15.0	1117.42	1091.18	1072.14	1053.62	1019.91	981.83	970.77	948.64	933.72
30.0	1115.11	1098.13	1082.69	1076.00	1063.39	1051.56	1039.72	1013.48	999.07
45.0	1141.87	1135.44	1133.63	1114.85	1114.08	1105.59	1095.55	1079.86	1076.77
60.0	1156.79	1155.50	1153.96	1152.67	1152.16	1161.94	1164.25	1167.08	1175.32
75.0	1186.64	1191.27	1194.61	1202.59	1211.08	1216.48	1235.01	1249.42	1264.85
90.0	1180.46	1186.12	1191.78	1198.47	1206.71	1215.97	1233.98	1246.33	1263.83
105.0	1186.64	1191.27	1194.61	1202.59	1211.08	1216.48	1235.01	1249.42	1264.85
120.0	1156.79	1155.50	1153.96	1152.67	1152.16	1161.94	1164.25	1167.08	1175.32
135.0	1141.87	1135.44	1133.63	1114.85	1114.08	1105.59	1095.55	1079.86	1076.77
150.0	1115.11	1098.13	1082.69	1076.00	1063.39	1051.56	1039.72	1013.48	999.07
165.0	1117.42	1091.18	1072.14	1053.62	1019.91	981.83	970.77	948.64	933.72
180.0	1085.78	1059.53	1051.82	1025.57	996.24	1000.87	950.96	955.59	939.64
195.0	1117.42	1091.18	1072.14	1053.62	1019.91	981.83	970.77	948.64	933.72
210.0	1115.11	1098.13	1082.69	1076.00	1063.39	1051.56	1039.72	1013.48	999.07
225.0	1141.87	1135.44	1133.63	1114.85	1114.08	1105.59	1095.55	1079.86	1076.77
240.0	1156.79	1155.50	1153.96	1152.67	1152.16	1161.94	1164.25	1167.08	1175.32
255.0	1186.64	1191.27	1194.61	1202.59	1211.08	1216.48	1235.01	1249.42	1264.85
270.0	1180.46	1186.12	1191.78	1198.47	1206.71	1215.97	1233.98	1246.33	1263.83
285.0	1186.64	1191.27	1194.61	1202.59	1211.08	1216.48	1235.01	1249.42	1264.85
300.0	1156.79	1155.50	1153.96	1152.67	1152.16	1161.94	1164.25	1167.08	1175.32
315.0	1141.87	1135.44	1133.63	1114.85	1114.08	1105.59	1095.55	1079.86	1076.77
330.0	1115.11	1098.13	1082.69	1076.00	1063.39	1051.56	1039.72	1013.48	999.07
345.0	1117.42	1091.18	1072.14	1053.62	1019.91	981.83	970.77	948.64	933.72
360.0	1085.78	1059.53	1051.82	1025.57	996.24	1000.87	950.96	955.59	939.64

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	963.31	947.35	968.97	967.42	992.64	989.04	1020.42	1069.31	1121.28
15.0	926.00	922.91	937.83	961.25	961.76	983.12	1026.60	1071.37	1080.12
30.0	988.52	985.18	981.57	988.01	991.87	1010.39	1032.52	1045.13	1067.51
45.0	1081.40	1085.01	1086.81	1091.44	1098.64	1095.30	1105.59	1125.92	1140.32
60.0	1185.61	1195.38	1210.31	1228.58	1258.42	1280.81	1302.42	1317.86	1330.72
75.0	1281.06	1297.79	1317.34	1341.27	1362.11	1385.27	1414.08	1438.53	1473.78
90.0	1279.26	1296.76	1316.31	1336.38	1357.48	1381.67	1406.37	1447.53	1474.80
105.0	1281.06	1297.79	1317.34	1341.27	1362.11	1385.27	1414.08	1438.53	1473.78
120.0	1185.61	1195.38	1210.31	1228.58	1258.42	1280.81	1302.42	1317.86	1330.72
135.0	1081.40	1085.01	1086.81	1091.44	1098.64	1095.30	1105.59	1125.92	1140.32
150.0	988.52	985.18	981.57	988.01	991.87	1010.39	1032.52	1045.13	1067.51
165.0	926.00	922.91	937.83	961.25	961.76	983.12	1026.60	1071.37	1080.12
180.0	963.31	947.35	968.97	967.42	992.64	989.04	1020.42	1069.31	1121.28
195.0	926.00	922.91	937.83	961.25	961.76	983.12	1026.60	1071.37	1080.12
210.0	988.52	985.18	981.57	988.01	991.87	1010.39	1032.52	1045.13	1067.51
225.0	1081.40	1085.01	1086.81	1091.44	1098.64	1095.30	1105.59	1125.92	1140.32
240.0	1185.61	1195.38	1210.31	1228.58	1258.42	1280.81	1302.42	1317.86	1330.72
255.0	1281.06	1297.79	1317.34	1341.27	1362.11	1385.27	1414.08	1438.53	1473.78
270.0	1279.26	1296.76	1316.31	1336.38	1357.48	1381.67	1406.37	1447.53	1474.80
285.0	1281.06	1297.79	1317.34	1341.27	1362.11	1385.27	1414.08	1438.53	1473.78
300.0	1185.61	1195.38	1210.31	1228.58	1258.42	1280.81	1302.42	1317.86	1330.72
315.0	1081.40	1085.01	1086.81	1091.44	1098.64	1095.30	1105.59	1125.92	1140.32
330.0	988.52	985.18	981.57	988.01	991.87	1010.39	1032.52	1045.13	1067.51
345.0	926.00	922.91	937.83	961.25	961.76	983.12	1026.60	1071.37	1080.12
360.0	963.31	947.35	968.97	967.42	992.64	989.04	1020.42	1069.31	1121.28

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1167.08	1222.14	1285.44	1347.70	1388.35	1415.63	1445.99	1492.30	1590.59
15.0	1136.21	1188.18	1258.94	1310.91	1365.20	1422.83	1460.40	1503.36	1523.69
30.0	1105.85	1150.36	1180.20	1208.25	1256.88	1275.92	1302.16	1342.56	1377.81
45.0	1152.42	1200.02	1217.51	1239.90	1261.77	1272.06	1278.23	1294.19	1321.72
60.0	1349.50	1377.81	1395.82	1416.92	1429.52	1444.19	1449.85	1466.06	1477.12
75.0	1500.02	1529.35	1565.63	1592.39	1615.80	1639.22	1651.05	1664.43	1678.58
90.0	1516.49	1542.22	1567.95	1596.76	1622.49	1642.56	1664.17	1685.79	1702.25
105.0	1500.02	1529.35	1565.63	1592.39	1615.80	1639.22	1651.05	1664.43	1678.58
120.0	1349.50	1377.81	1395.82	1416.92	1429.52	1444.19	1449.85	1466.06	1477.12
135.0	1152.42	1200.02	1217.51	1239.90	1261.77	1272.06	1278.23	1294.19	1321.72
150.0	1105.85	1150.36	1180.20	1208.25	1256.88	1275.92	1302.16	1342.56	1377.81
165.0	1136.21	1188.18	1258.94	1310.91	1365.20	1422.83	1460.40	1503.36	1523.69
180.0	1167.08	1222.14	1285.44	1347.70	1388.35	1415.63	1445.99	1492.30	1590.59
195.0	1136.21	1188.18	1258.94	1310.91	1365.20	1422.83	1460.40	1503.36	1523.69
210.0	1105.85	1150.36	1180.20	1208.25	1256.88	1275.92	1302.16	1342.56	1377.81
225.0	1152.42	1200.02	1217.51	1239.90	1261.77	1272.06	1278.23	1294.19	1321.72
240.0	1349.50	1377.81	1395.82	1416.92	1429.52	1444.19	1449.85	1466.06	1477.12
255.0	1500.02	1529.35	1565.63	1592.39	1615.80	1639.22	1651.05	1664.43	1678.58
270.0	1516.49	1542.22	1567.95	1596.76	1622.49	1642.56	1664.17	1685.79	1702.25
285.0	1500.02	1529.35	1565.63	1592.39	1615.80	1639.22	1651.05	1664.43	1678.58
300.0	1349.50	1377.81	1395.82	1416.92	1429.52	1444.19	1449.85	1466.06	1477.12
315.0	1152.42	1200.02	1217.51	1239.90	1261.77	1272.06	1278.23	1294.19	1321.72
330.0	1105.85	1150.36	1180.20	1208.25	1256.88	1275.92	1302.16	1342.56	1377.81
345.0	1136.21	1188.18	1258.94	1310.91	1365.20	1422.83	1460.40	1503.36	1523.69
360.0	1167.08	1222.14	1285.44	1347.70	1388.35	1415.63	1445.99	1492.30	1590.59

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	1599.85	1606.54	1639.47	1658.51	1687.33	1702.77	1720.78	1747.02	1777.90
15.0	1539.64	1563.06	1580.81	1599.34	1619.92	1647.71	1670.61	1698.91	1727.47
30.0	1400.70	1432.09	1466.06	1494.10	1526.52	1553.54	1575.92	1604.74	1630.21
45.0	1342.81	1350.53	1386.04	1396.85	1425.92	1441.10	1476.86	1518.03	1553.54
60.0	1473.78	1475.83	1480.21	1503.11	1520.60	1531.67	1554.05	1574.38	1590.59
75.0	1699.42	1716.66	1740.33	1760.92	1782.53	1804.40	1833.73	1855.34	1880.56
90.0	1722.32	1742.39	1779.95	1806.20	1833.47	1861.26	1904.48	1926.10	1942.05
105.0	1699.42	1716.66	1740.33	1760.92	1782.53	1804.40	1833.73	1855.34	1880.56
120.0	1473.78	1475.83	1480.21	1503.11	1520.60	1531.67	1554.05	1574.38	1590.59
135.0	1342.81	1350.53	1386.04	1396.85	1425.92	1441.10	1476.86	1518.03	1553.54
150.0	1400.70	1432.09	1466.06	1494.10	1526.52	1553.54	1575.92	1604.74	1630.21
165.0	1539.64	1563.06	1580.81	1599.34	1619.92	1647.71	1670.61	1698.91	1727.47
180.0	1599.85	1606.54	1639.47	1658.51	1687.33	1702.77	1720.78	1747.02	1777.90
195.0	1539.64	1563.06	1580.81	1599.34	1619.92	1647.71	1670.61	1698.91	1727.47
210.0	1400.70	1432.09	1466.06	1494.10	1526.52	1553.54	1575.92	1604.74	1630.21
225.0	1342.81	1350.53	1386.04	1396.85	1425.92	1441.10	1476.86	1518.03	1553.54
240.0	1473.78	1475.83	1480.21	1503.11	1520.60	1531.67	1554.05	1574.38	1590.59
255.0	1699.42	1716.66	1740.33	1760.92	1782.53	1804.40	1833.73	1855.34	1880.56
270.0	1722.32	1742.39	1779.95	1806.20	1833.47	1861.26	1904.48	1926.10	1942.05
285.0	1699.42	1716.66	1740.33	1760.92	1782.53	1804.40	1833.73	1855.34	1880.56
300.0	1473.78	1475.83	1480.21	1503.11	1520.60	1531.67	1554.05	1574.38	1590.59
315.0	1342.81	1350.53	1386.04	1396.85	1425.92	1441.10	1476.86	1518.03	1553.54
330.0	1400.70	1432.09	1466.06	1494.10	1526.52	1553.54	1575.92	1604.74	1630.21
345.0	1539.64	1563.06	1580.81	1599.34	1619.92	1647.71	1670.61	1698.91	1727.47
360.0	1599.85	1606.54	1639.47	1658.51	1687.33	1702.77	1720.78	1747.02	1777.90

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1802.60	1841.71	1871.55	1924.55	1962.12	2002.77	2046.00	2089.22	2133.48
15.0	1758.60	1795.65	1831.93	1859.72	1901.65	1952.86	1988.11	2022.07	2054.74
30.0	1661.86	1696.08	1725.67	1754.23	1798.99	1823.69	1859.46	1889.05	1913.23
45.0	1576.44	1589.82	1598.82	1628.67	1646.42	1674.46	1703.02	1722.58	1735.70
60.0	1611.17	1619.92	1628.41	1644.10	1661.09	1671.12	1675.24	1675.75	1685.27
75.0	1900.63	1919.92	1932.01	1940.76	1951.83	1953.63	1950.28	1941.54	1933.04
90.0	1967.27	1997.11	2016.67	2045.48	2057.83	2066.07	2067.61	2064.52	2053.20
105.0	1900.63	1919.92	1932.01	1940.76	1951.83	1953.63	1950.28	1941.54	1933.04
120.0	1611.17	1619.92	1628.41	1644.10	1661.09	1671.12	1675.24	1675.75	1685.27
135.0	1576.44	1589.82	1598.82	1628.67	1646.42	1674.46	1703.02	1722.58	1735.70
150.0	1661.86	1696.08	1725.67	1754.23	1798.99	1823.69	1859.46	1889.05	1913.23
165.0	1758.60	1795.65	1831.93	1859.72	1901.65	1952.86	1988.11	2022.07	2054.74
180.0	1802.60	1841.71	1871.55	1924.55	1962.12	2002.77	2046.00	2089.22	2133.48
195.0	1758.60	1795.65	1831.93	1859.72	1901.65	1952.86	1988.11	2022.07	2054.74
210.0	1661.86	1696.08	1725.67	1754.23	1798.99	1823.69	1859.46	1889.05	1913.23
225.0	1576.44	1589.82	1598.82	1628.67	1646.42	1674.46	1703.02	1722.58	1735.70
240.0	1611.17	1619.92	1628.41	1644.10	1661.09	1671.12	1675.24	1675.75	1685.27
255.0	1900.63	1919.92	1932.01	1940.76	1951.83	1953.63	1950.28	1941.54	1933.04
270.0	1967.27	1997.11	2016.67	2045.48	2057.83	2066.07	2067.61	2064.52	2053.20
285.0	1900.63	1919.92	1932.01	1940.76	1951.83	1953.63	1950.28	1941.54	1933.04
300.0	1611.17	1619.92	1628.41	1644.10	1661.09	1671.12	1675.24	1675.75	1685.27
315.0	1576.44	1589.82	1598.82	1628.67	1646.42	1674.46	1703.02	1722.58	1735.70
330.0	1661.86	1696.08	1725.67	1754.23	1798.99	1823.69	1859.46	1889.05	1913.23
345.0	1758.60	1795.65	1831.93	1859.72	1901.65	1952.86	1988.11	2022.07	2054.74
360.0	1802.60	1841.71	1871.55	1924.55	1962.12	2002.77	2046.00	2089.22	2133.48

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	2174.64	2212.21	2256.98	2278.08	2258.01	2211.69	2128.84	2006.89	1846.85
15.0	2089.99	2120.61	2145.57	2167.95	2173.61	2175.42	2119.07	2042.65	1925.07
30.0	1931.50	1937.68	1939.22	1929.70	1901.14	1855.86	1784.59	1691.96	1532.95
45.0	1745.48	1747.79	1742.90	1734.41	1723.09	1688.62	1638.96	1547.88	1464.51
60.0	1685.01	1672.41	1650.28	1620.18	1579.52	1520.60	1462.20	1366.48	1296.24
75.0	1913.75	1871.81	1834.50	1794.11	1747.28	1692.48	1607.31	1549.42	1500.28
90.0	2032.62	2001.23	1932.27	1875.67	1782.53	1721.81	1650.79	1559.71	1454.22
105.0	1913.75	1871.81	1834.50	1794.11	1747.28	1692.48	1607.31	1549.42	1500.28
120.0	1685.01	1672.41	1650.28	1620.18	1579.52	1520.60	1462.20	1366.48	1296.24
135.0	1745.48	1747.79	1742.90	1734.41	1723.09	1688.62	1638.96	1547.88	1464.51
150.0	1931.50	1937.68	1939.22	1929.70	1901.14	1855.86	1784.59	1691.96	1532.95
165.0	2089.99	2120.61	2145.57	2167.95	2173.61	2175.42	2119.07	2042.65	1925.07
180.0	2174.64	2212.21	2256.98	2278.08	2258.01	2211.69	2128.84	2006.89	1846.85
195.0	2089.99	2120.61	2145.57	2167.95	2173.61	2175.42	2119.07	2042.65	1925.07
210.0	1931.50	1937.68	1939.22	1929.70	1901.14	1855.86	1784.59	1691.96	1532.95
225.0	1745.48	1747.79	1742.90	1734.41	1723.09	1688.62	1638.96	1547.88	1464.51
240.0	1685.01	1672.41	1650.28	1620.18	1579.52	1520.60	1462.20	1366.48	1296.24
255.0	1913.75	1871.81	1834.50	1794.11	1747.28	1692.48	1607.31	1549.42	1500.28
270.0	2032.62	2001.23	1932.27	1875.67	1782.53	1721.81	1650.79	1559.71	1454.22
285.0	1913.75	1871.81	1834.50	1794.11	1747.28	1692.48	1607.31	1549.42	1500.28
300.0	1685.01	1672.41	1650.28	1620.18	1579.52	1520.60	1462.20	1366.48	1296.24
315.0	1745.48	1747.79	1742.90	1734.41	1723.09	1688.62	1638.96	1547.88	1464.51
330.0	1931.50	1937.68	1939.22	1929.70	1901.14	1855.86	1784.59	1691.96	1532.95
345.0	2089.99	2120.61	2145.57	2167.95	2173.61	2175.42	2119.07	2042.65	1925.07
360.0	2174.64	2212.21	2256.98	2278.08	2258.01	2211.69	2128.84	2006.89	1846.85
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1659.54	1446.50	1220.09	893.84	691.60	518.19	356.09	223.84	130.71
15.0	1701.74	1479.18	1219.31	942.47	613.13	389.54	219.47	95.46	72.81
30.0	1360.82	1209.02	1020.17	878.66	746.41	623.16	465.19	367.16	256.52
45.0	1365.46	1229.35	1110.74	988.26	863.73	733.54	555.75	401.38	244.17
60.0	1219.31	1154.48	1092.72	1016.82	913.13	792.72	675.65	504.04	397.26
75.0	1438.01	1379.61	1294.19	1185.61	1028.40	946.33	861.68	656.36	533.11
90.0	1367.26	1322.49	1322.49	1332.78	1316.83	1097.10	928.31	733.29	543.40
105.0	1438.01	1379.61	1294.19	1185.61	1028.40	946.33	861.68	656.36	533.11
120.0	1219.31	1154.48	1092.72	1016.82	913.13	792.72	675.65	504.04	397.26
135.0	1365.46	1229.35	1110.74	988.26	863.73	733.54	555.75	401.38	244.17
150.0	1360.82	1209.02	1020.17	878.66	746.41	623.16	465.19	367.16	256.52
165.0	1701.74	1479.18	1219.31	942.47	613.13	389.54	219.47	95.46	72.81
180.0	1659.54	1446.50	1220.09	893.84	691.60	518.19	356.09	223.84	130.71
195.0	1701.74	1479.18	1219.31	942.47	613.13	389.54	219.47	95.46	72.81
210.0	1360.82	1209.02	1020.17	878.66	746.41	623.16	465.19	367.16	256.52
225.0	1365.46	1229.35	1110.74	988.26	863.73	733.54	555.75	401.38	244.17
240.0	1219.31	1154.48	1092.72	1016.82	913.13	792.72	675.65	504.04	397.26
255.0	1438.01	1379.61	1294.19	1185.61	1028.40	946.33	861.68	656.36	533.11
270.0	1367.26	1322.49	1322.49	1332.78	1316.83	1097.10	928.31	733.29	543.40
285.0	1438.01	1379.61	1294.19	1185.61	1028.40	946.33	861.68	656.36	533.11
300.0	1219.31	1154.48	1092.72	1016.82	913.13	792.72	675.65	504.04	397.26
315.0	1365.46	1229.35	1110.74	988.26	863.73	733.54	555.75	401.38	244.17
330.0	1360.82	1209.02	1020.17	878.66	746.41	623.16	465.19	367.16	256.52
345.0	1701.74	1479.18	1219.31	942.47	613.13	389.54	219.47	95.46	72.81
360.0	1659.54	1446.50	1220.09	893.84	691.60	518.19	356.09	223.84	130.71

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	75.64	55.06	48.89	44.77	40.65	34.48	30.88	27.79	23.67
15.0	64.84	58.15	53.00	48.37	44.00	37.05	34.73	31.91	27.27
30.0	207.38	137.39	93.14	65.61	53.78	49.14	44.00	40.14	35.51
45.0	162.10	110.12	78.48	63.29	55.06	48.63	44.77	38.59	34.99
60.0	298.98	172.39	118.61	85.42	65.35	54.03	47.34	43.48	37.56
75.0	408.58	254.46	180.88	129.42	94.17	70.50	57.12	50.17	42.71
90.0	378.74	247.52	157.98	104.46	71.53	50.95	45.28	37.57	32.93
105.0	408.58	254.46	180.88	129.42	94.17	70.50	57.12	50.17	42.71
120.0	298.98	172.39	118.61	85.42	65.35	54.03	47.34	43.48	37.56
135.0	162.10	110.12	78.48	63.29	55.06	48.63	44.77	38.59	34.99
150.0	207.38	137.39	93.14	65.61	53.78	49.14	44.00	40.14	35.51
165.0	64.84	58.15	53.00	48.37	44.00	37.05	34.73	31.91	27.27
180.0	75.64	55.06	48.89	44.77	40.65	34.48	30.88	27.79	23.67
195.0	64.84	58.15	53.00	48.37	44.00	37.05	34.73	31.91	27.27
210.0	207.38	137.39	93.14	65.61	53.78	49.14	44.00	40.14	35.51
225.0	162.10	110.12	78.48	63.29	55.06	48.63	44.77	38.59	34.99
240.0	298.98	172.39	118.61	85.42	65.35	54.03	47.34	43.48	37.56
255.0	408.58	254.46	180.88	129.42	94.17	70.50	57.12	50.17	42.71
270.0	378.74	247.52	157.98	104.46	71.53	50.95	45.28	37.57	32.93
285.0	408.58	254.46	180.88	129.42	94.17	70.50	57.12	50.17	42.71
300.0	298.98	172.39	118.61	85.42	65.35	54.03	47.34	43.48	37.56
315.0	162.10	110.12	78.48	63.29	55.06	48.63	44.77	38.59	34.99
330.0	207.38	137.39	93.14	65.61	53.78	49.14	44.00	40.14	35.51
345.0	64.84	58.15	53.00	48.37	44.00	37.05	34.73	31.91	27.27
360.0	75.64	55.06	48.89	44.77	40.65	34.48	30.88	27.79	23.67
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	21.61	18.53	16.47	13.38	10.81	9.26	6.18	4.63	3.60
15.0	24.96	22.13	18.53	15.95	13.64	11.32	9.26	6.43	4.63
30.0	30.10	27.27	23.93	19.81	17.75	14.67	12.35	10.55	8.49
45.0	31.39	26.50	23.67	21.36	18.78	16.21	14.15	12.09	10.29
60.0	32.93	29.33	25.99	21.87	20.07	17.24	14.92	13.38	11.58
75.0	38.34	34.48	28.04	24.44	21.10	18.27	14.92	12.35	10.55
90.0	27.27	24.19	21.61	18.01	14.92	11.84	7.72	5.15	3.09
105.0	38.34	34.48	28.04	24.44	21.10	18.27	14.92	12.35	10.55
120.0	32.93	29.33	25.99	21.87	20.07	17.24	14.92	13.38	11.58
135.0	31.39	26.50	23.67	21.36	18.78	16.21	14.15	12.09	10.29
150.0	30.10	27.27	23.93	19.81	17.75	14.67	12.35	10.55	8.49
165.0	24.96	22.13	18.53	15.95	13.64	11.32	9.26	6.43	4.63
180.0	21.61	18.53	16.47	13.38	10.81	9.26	6.18	4.63	3.60
195.0	24.96	22.13	18.53	15.95	13.64	11.32	9.26	6.43	4.63
210.0	30.10	27.27	23.93	19.81	17.75	14.67	12.35	10.55	8.49
225.0	31.39	26.50	23.67	21.36	18.78	16.21	14.15	12.09	10.29
240.0	32.93	29.33	25.99	21.87	20.07	17.24	14.92	13.38	11.58
255.0	38.34	34.48	28.04	24.44	21.10	18.27	14.92	12.35	10.55
270.0	27.27	24.19	21.61	18.01	14.92	11.84	7.72	5.15	3.09
285.0	38.34	34.48	28.04	24.44	21.10	18.27	14.92	12.35	10.55
300.0	32.93	29.33	25.99	21.87	20.07	17.24	14.92	13.38	11.58
315.0	31.39	26.50	23.67	21.36	18.78	16.21	14.15	12.09	10.29
330.0	30.10	27.27	23.93	19.81	17.75	14.67	12.35	10.55	8.49
345.0	24.96	22.13	18.53	15.95	13.64	11.32	9.26	6.43	4.63
360.0	21.61	18.53	16.47	13.38	10.81	9.26	6.18	4.63	3.60

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	2.57	2.06	1.03	0.51	0.51	0.51	0.51	0.51	0.51
15.0	2.57	1.29	0.77	0.77	0.51	0.51	0.51	0.51	0.51
30.0	6.69	5.15	4.12	3.35	2.83	2.32	2.06	2.06	1.54
45.0	8.23	7.20	5.66	5.40	5.15	4.89	4.63	4.37	4.12
60.0	10.03	9.26	8.75	7.98	7.20	6.95	6.95	6.18	6.18
75.0	8.49	7.72	6.43	5.66	5.66	5.66	5.66	5.40	5.15
90.0	2.06	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	8.49	7.72	6.43	5.66	5.66	5.66	5.66	5.40	5.15
120.0	10.03	9.26	8.75	7.98	7.20	6.95	6.95	6.18	6.18
135.0	8.23	7.20	5.66	5.40	5.15	4.89	4.63	4.37	4.12
150.0	6.69	5.15	4.12	3.35	2.83	2.32	2.06	2.06	1.54
165.0	2.57	1.29	0.77	0.77	0.51	0.51	0.51	0.51	0.51
180.0	2.57	2.06	1.03	0.51	0.51	0.51	0.51	0.51	0.51
195.0	2.57	1.29	0.77	0.77	0.51	0.51	0.51	0.51	0.51
210.0	6.69	5.15	4.12	3.35	2.83	2.32	2.06	2.06	1.54
225.0	8.23	7.20	5.66	5.40	5.15	4.89	4.63	4.37	4.12
240.0	10.03	9.26	8.75	7.98	7.20	6.95	6.95	6.18	6.18
255.0	8.49	7.72	6.43	5.66	5.66	5.66	5.66	5.40	5.15
270.0	2.06	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	8.49	7.72	6.43	5.66	5.66	5.66	5.66	5.40	5.15
300.0	10.03	9.26	8.75	7.98	7.20	6.95	6.95	6.18	6.18
315.0	8.23	7.20	5.66	5.40	5.15	4.89	4.63	4.37	4.12
330.0	6.69	5.15	4.12	3.35	2.83	2.32	2.06	2.06	1.54
345.0	2.57	1.29	0.77	0.77	0.51	0.51	0.51	0.51	0.51
360.0	2.57	2.06	1.03	0.51	0.51	0.51	0.51	0.51	0.51
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.51
15.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
30.0	1.54	1.54	1.54	1.54	1.54	1.29	1.03	1.03	1.03
45.0	3.86	3.60	3.09	2.83	2.57	2.06	2.06	2.06	1.80
60.0	5.66	5.66	4.89	4.63	4.12	3.60	3.35	2.83	2.83
75.0	5.15	5.15	4.63	4.12	4.12	3.86	3.35	3.09	2.83
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	5.15	5.15	4.63	4.12	4.12	3.86	3.35	3.09	2.83
120.0	5.66	5.66	4.89	4.63	4.12	3.60	3.35	2.83	2.83
135.0	3.86	3.60	3.09	2.83	2.57	2.06	2.06	2.06	1.80
150.0	1.54	1.54	1.54	1.54	1.54	1.29	1.03	1.03	1.03
165.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
180.0	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.51
195.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
210.0	1.54	1.54	1.54	1.54	1.54	1.29	1.03	1.03	1.03
225.0	3.86	3.60	3.09	2.83	2.57	2.06	2.06	2.06	1.80
240.0	5.66	5.66	4.89	4.63	4.12	3.60	3.35	2.83	2.83
255.0	5.15	5.15	4.63	4.12	4.12	3.86	3.35	3.09	2.83
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	5.15	5.15	4.63	4.12	4.12	3.86	3.35	3.09	2.83
300.0	5.66	5.66	4.89	4.63	4.12	3.60	3.35	2.83	2.83
315.0	3.86	3.60	3.09	2.83	2.57	2.06	2.06	2.06	1.80
330.0	1.54	1.54	1.54	1.54	1.54	1.29	1.03	1.03	1.03
345.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
360.0	0.51	0.51	0.51	0.00	0.00	0.00	0.00	0.00	0.51

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
15.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
30.0	1.03	1.03	1.03	1.03	0.77	0.51	0.51	0.51	0.51
45.0	1.80	1.29	1.29	1.03	1.03	0.51	0.51	0.51	0.51
60.0	2.32	1.80	1.80	1.54	1.54	1.54	1.29	1.03	1.03
75.0	2.57	2.32	2.06	1.80	1.80	1.54	1.29	1.29	1.29
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	2.57	2.32	2.06	1.80	1.80	1.54	1.29	1.29	1.29
120.0	2.32	1.80	1.80	1.54	1.54	1.54	1.29	1.03	1.03
135.0	1.80	1.29	1.29	1.03	1.03	0.51	0.51	0.51	0.51
150.0	1.03	1.03	1.03	1.03	0.77	0.51	0.51	0.51	0.51
165.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
180.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
195.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
210.0	1.03	1.03	1.03	1.03	0.77	0.51	0.51	0.51	0.51
225.0	1.80	1.29	1.29	1.03	1.03	0.51	0.51	0.51	0.51
240.0	2.32	1.80	1.80	1.54	1.54	1.54	1.29	1.03	1.03
255.0	2.57	2.32	2.06	1.80	1.80	1.54	1.29	1.29	1.29
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	2.57	2.32	2.06	1.80	1.80	1.54	1.29	1.29	1.29
300.0	2.32	1.80	1.80	1.54	1.54	1.54	1.29	1.03	1.03
315.0	1.80	1.29	1.29	1.03	1.03	0.51	0.51	0.51	0.51
330.0	1.03	1.03	1.03	1.03	0.77	0.51	0.51	0.51	0.51
345.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
360.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.51	0.51	0.51	0.51	1.03	1.03	1.03	1.03	1.03
15.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
30.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
45.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
60.0	1.03	1.03	0.77	0.77	0.51	0.51	0.51	0.51	0.51
75.0	0.77	0.77	0.77	0.77	0.51	0.51	0.51	0.51	0.51
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.77	0.77	0.77	0.77	0.51	0.51	0.51	0.51	0.51
120.0	1.03	1.03	0.77	0.77	0.51	0.51	0.51	0.51	0.51
135.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
150.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
165.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
180.0	0.51	0.51	0.51	0.51	1.03	1.03	1.03	1.03	1.03
195.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
210.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
225.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
240.0	1.03	1.03	0.77	0.77	0.51	0.51	0.51	0.51	0.51
255.0	0.77	0.77	0.77	0.77	0.51	0.51	0.51	0.51	0.51
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.77	0.77	0.77	0.77	0.51	0.51	0.51	0.51	0.51
300.0	1.03	1.03	0.77	0.77	0.51	0.51	0.51	0.51	0.51
315.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
330.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
345.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
360.0	0.51	0.51	0.51	0.51	1.03	1.03	1.03	1.03	1.03

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.03	1.03	1.03	1.03	1.03	1.03	1.03	0.51	0.51
15.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
30.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
45.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
60.0	0.51	0.51	0.51	0.26	0.26	0.51	0.51	0.26	0.26
75.0	0.51	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.26
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.51	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.26
120.0	0.51	0.51	0.51	0.26	0.26	0.51	0.51	0.26	0.26
135.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
150.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
165.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
180.0	1.03	1.03	1.03	1.03	1.03	1.03	1.03	0.51	0.51
195.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
210.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
225.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
240.0	0.51	0.51	0.51	0.26	0.26	0.51	0.51	0.26	0.26
255.0	0.51	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.26
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.51	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.26
300.0	0.51	0.51	0.51	0.26	0.26	0.51	0.51	0.26	0.26
315.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
330.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
345.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
360.0	1.03	1.03	1.03	1.03	1.03	1.03	1.03	0.51	0.51
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.00
15.0	0.51	0.77	0.77	0.51	0.26	0.26	0.26	0.00	0.00
30.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.26
45.0	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.00	0.00
60.0	0.51	0.51	0.51	0.51	0.26	0.26	0.00	0.00	0.00
75.0	0.26	0.26	0.26	0.26	0.26	0.26	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	0.26	0.26	0.26	0.26	0.26	0.26	0.00	0.00	0.00
120.0	0.51	0.51	0.51	0.51	0.26	0.26	0.00	0.00	0.00
135.0	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.00	0.00
150.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.26
165.0	0.51	0.77	0.77	0.51	0.26	0.26	0.26	0.00	0.00
180.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.00
195.0	0.51	0.77	0.77	0.51	0.26	0.26	0.26	0.00	0.00
210.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.26
225.0	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.00	0.00
240.0	0.51	0.51	0.51	0.51	0.26	0.26	0.00	0.00	0.00
255.0	0.26	0.26	0.26	0.26	0.26	0.26	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	0.26	0.26	0.26	0.26	0.26	0.26	0.00	0.00	0.00
300.0	0.51	0.51	0.51	0.51	0.26	0.26	0.00	0.00	0.00
315.0	0.51	0.51	0.51	0.51	0.26	0.26	0.26	0.00	0.00
330.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.26
345.0	0.51	0.77	0.77	0.51	0.26	0.26	0.26	0.00	0.00
360.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	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	0.26	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	0.26	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	0.26	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	0.26	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