

Report No	:	Voltage	: V
Test No	:	Current	: A
LumCAT	:	Power	: 58.000 W
Luminaire	: 0003010030 58W 3000K 7544lm PF		:
LampCAT	:	Ballast type	:
Lamp flux	: 7544.0 lm	Width	: 348 mm
Number of Lamps	: 1	Length	: 348 mm
Phm Type	: C	Height	: 0 mm

Photometric Results

Lumens(lm)	: 7544.00	Central intensity(cd)	: 1393.060
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 2754.143
Luminous Efficacy(lm/W)	: 130.07	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	1393.060	0.000	0	0.00%	0.00%
1.0	1393.060	1.333	1.333	0.02%	0.02%
2.0	1397.238	4.005	5.338	0.05%	0.07%
3.0	1396.720	6.682	12.02	0.09%	0.16%
4.0	1396.098	9.348	21.369	0.12%	0.28%
5.0	1396.564	12.014	33.383	0.16%	0.44%
6.0	1395.061	14.671	48.053	0.19%	0.64%
7.0	1387.699	17.273	65.326	0.23%	0.87%
8.0	1383.604	19.834	85.16	0.26%	1.13%
9.0	1380.441	22.401	107.561	0.30%	1.43%
10.0	1369.035	24.882	132.442	0.33%	1.76%
11.0	1361.881	27.287	159.73	0.36%	2.12%
12.0	1352.394	29.671	189.401	0.39%	2.51%
13.0	1342.388	31.980	221.381	0.42%	2.93%
14.0	1335.078	34.271	255.652	0.45%	3.39%
15.0	1329.426	36.579	292.232	0.48%	3.87%
16.0	1321.702	38.846	331.078	0.51%	4.39%
17.0	1320.095	41.140	372.218	0.55%	4.93%
18.0	1326.627	43.639	415.857	0.58%	5.51%
19.0	1331.552	46.247	462.104	0.61%	6.13%
20.0	1345.291	48.994	511.097	0.65%	6.77%
21.0	1362.607	51.997	563.095	0.69%	7.46%
22.0	1379.819	55.110	618.205	0.73%	8.19%
23.0	1398.431	58.295	676.5	0.77%	8.97%
24.0	1429.537	61.830	738.329	0.82%	9.79%
25.0	1462.302	65.754	804.084	0.87%	10.66%
26.0	1489.157	69.670	873.753	0.92%	11.58%
27.0	1528.506	73.828	947.581	0.98%	12.56%
28.0	1577.291	78.632	1026.213	1.04%	13.60%
29.0	1620.995	83.676	1109.889	1.11%	14.71%
30.0	1660.449	88.598	1198.488	1.17%	15.89%
31.0	1699.539	93.504	1291.991	1.24%	17.13%
32.0	1729.505	98.238	1390.229	1.30%	18.43%
33.0	1752.367	102.577	1492.806	1.36%	19.79%
34.0	1785.184	107.057	1599.863	1.42%	21.21%
35.0	1818.572	111.919	1711.783	1.48%	22.69%
36.0	1837.132	116.398	1828.181	1.54%	24.23%
37.0	1856.314	120.459	1948.64	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	1886.642	124.935	2073.575	1.66%	27.49%
39.0	1911.528	129.642	2203.217	1.72%	29.20%
40.0	1941.597	134.383	2337.6	1.78%	30.99%
41.0	1966.689	139.172	2476.773	1.84%	32.83%
42.0	1999.610	144.103	2620.875	1.91%	34.74%
43.0	2032.686	149.368	2770.243	1.98%	36.72%
44.0	2063.792	154.612	2924.856	2.05%	38.77%
45.0	2094.276	159.799	3084.655	2.12%	40.89%
46.0	2123.931	164.965	3249.62	2.19%	43.08%
47.0	2148.142	169.911	3419.531	2.25%	45.33%
48.0	2178.678	174.913	3594.444	2.32%	47.65%
49.0	2210.406	180.240	3774.684	2.39%	50.04%
50.0	2238.661	185.497	3960.181	2.46%	52.49%
51.0	2263.390	190.475	4150.656	2.52%	55.02%
52.0	2282.521	195.068	4345.725	2.59%	57.60%
53.0	2300.147	199.346	4545.07	2.64%	60.25%
54.0	2311.034	203.242	4748.312	2.69%	62.94%
55.0	2308.546	206.210	4954.522	2.73%	65.67%
56.0	2298.488	208.179	5162.701	2.76%	68.43%
57.0	2281.587	209.412	5372.113	2.78%	71.21%
58.0	2245.660	209.356	5581.469	2.78%	73.99%
59.0	2196.253	207.662	5789.131	2.75%	76.74%
60.0	2116.103	203.731	5992.862	2.70%	79.44%
61.0	2011.275	196.967	6189.828	2.61%	82.05%
62.0	1887.939	187.887	6377.715	2.49%	84.54%
63.0	1732.615	176.086	6553.802	2.33%	86.87%
64.0	1578.950	162.497	6716.299	2.15%	89.03%
65.0	1412.170	148.028	6864.327	1.96%	90.99%
66.0	1234.190	132.036	6996.363	1.75%	92.74%
67.0	1041.539	114.430	7110.793	1.52%	94.26%
68.0	865.012	96.580	7207.373	1.28%	95.54%
69.0	689.106	79.284	7286.657	1.05%	96.59%
70.0	504.335	61.293	7347.95	0.81%	97.40%
71.0	370.941	45.239	7393.189	0.60%	98.00%
72.0	275.860	33.632	7426.82	0.45%	98.45%
73.0	178.083	23.738	7450.558	0.31%	98.76%
74.0	126.447	16.010	7466.568	0.21%	98.97%
75.0	94.045	11.650	7478.218	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	74.240	8.933	7487.151	0.12%	99.25%
77.0	60.865	7.203	7494.354	0.10%	99.34%
78.0	53.606	6.128	7500.482	0.08%	99.42%
79.0	47.748	5.446	7505.928	0.07%	99.50%
80.0	41.579	4.816	7510.744	0.06%	99.56%
81.0	36.705	4.233	7514.977	0.06%	99.61%
82.0	32.454	3.750	7518.728	0.05%	99.66%
83.0	28.047	3.289	7522.016	0.04%	99.71%
84.0	24.004	2.836	7524.852	0.04%	99.75%
85.0	20.997	2.456	7527.308	0.03%	99.78%
86.0	17.783	2.120	7529.428	0.03%	99.81%
87.0	14.620	1.773	7531.201	0.02%	99.83%
88.0	12.028	1.460	7532.661	0.02%	99.85%
89.0	9.850	1.199	7533.86	0.02%	99.87%
90.0	7.725	0.964	7534.824	0.01%	99.88%
91.0	6.480	0.779	7535.603	0.01%	99.89%
92.0	5.288	0.645	7536.248	0.01%	99.90%
93.0	4.718	0.548	7536.796	0.01%	99.90%
94.0	4.355	0.497	7537.292	0.01%	99.91%
95.0	4.147	0.465	7537.757	0.01%	99.92%
96.0	4.044	0.447	7538.204	0.01%	99.92%
97.0	3.785	0.426	7538.631	0.01%	99.93%
98.0	3.577	0.400	7539.031	0.01%	99.93%
99.0	3.422	0.380	7539.41	0.01%	99.94%
100.0	3.370	0.367	7539.778	0.00%	99.94%
101.0	3.007	0.344	7540.121	0.00%	99.95%
102.0	2.748	0.309	7540.431	0.00%	99.95%
103.0	2.592	0.286	7540.716	0.00%	99.96%
104.0	2.281	0.260	7540.976	0.00%	99.96%
105.0	2.074	0.231	7541.207	0.00%	99.96%
106.0	1.918	0.211	7541.418	0.00%	99.97%
107.0	1.866	0.199	7541.617	0.00%	99.97%
108.0	1.711	0.187	7541.804	0.00%	99.97%
109.0	1.451	0.164	7541.969	0.00%	99.97%
110.0	1.400	0.147	7542.116	0.00%	99.97%
111.0	1.244	0.136	7542.252	0.00%	99.98%
112.0	1.192	0.124	7542.376	0.00%	99.98%
113.0	0.985	0.110	7542.486	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	0.881	0.094	7542.58	0.00%	99.98%
115.0	0.829	0.085	7542.666	0.00%	99.98%
116.0	0.829	0.082	7542.748	0.00%	99.98%
117.0	0.726	0.076	7542.824	0.00%	99.98%
118.0	0.726	0.071	7542.895	0.00%	99.99%
119.0	0.674	0.067	7542.962	0.00%	99.99%
120.0	0.674	0.064	7543.026	0.00%	99.99%
121.0	0.622	0.061	7543.088	0.00%	99.99%
122.0	0.622	0.058	7543.146	0.00%	99.99%
123.0	0.622	0.058	7543.203	0.00%	99.99%
124.0	0.622	0.057	7543.26	0.00%	99.99%
125.0	0.622	0.056	7543.316	0.00%	99.99%
126.0	0.622	0.056	7543.372	0.00%	99.99%
127.0	0.622	0.055	7543.427	0.00%	99.99%
128.0	0.622	0.054	7543.481	0.00%	99.99%
129.0	0.570	0.051	7543.532	0.00%	99.99%
130.0	0.570	0.048	7543.58	0.00%	99.99%
131.0	0.570	0.048	7543.628	0.00%	99.99%
132.0	0.570	0.047	7543.675	0.00%	100.00%
133.0	0.467	0.042	7543.717	0.00%	100.00%
134.0	0.467	0.037	7543.754	0.00%	100.00%
135.0	0.518	0.039	7543.792	0.00%	100.00%
136.0	0.570	0.042	7543.834	0.00%	100.00%
137.0	0.570	0.043	7543.877	0.00%	100.00%
138.0	0.518	0.040	7543.917	0.00%	100.00%
139.0	0.363	0.032	7543.949	0.00%	100.00%
140.0	0.363	0.026	7543.975	0.00%	100.00%
141.0	0.259	0.022	7543.997	0.00%	100.00%
142.0	0.156	0.014	7544.011	0.00%	100.00%
143.0	0.052	0.007	7544.018	0.00%	100.00%
144.0	0.052	0.003	7544.021	0.00%	100.00%
145.0	0.000	0.002	7544.023	0.00%	100.00%
146.0	0.000	0.000	7544.023	0.00%	100.00%
147.0	0.000	0.000	7544.023	0.00%	100.00%
148.0	0.000	0.000	7544.023	0.00%	100.00%
149.0	0.000	0.000	7544.023	0.00%	100.00%
150.0	0.000	0.000	7544.023	0.00%	100.00%
151.0	0.000	0.000	7544.023	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	7544.023	0.00%	100.00%
153.0	0.000	0.000	7544.023	0.00%	100.00%
154.0	0.000	0.000	7544.023	0.00%	100.00%
155.0	0.000	0.000	7544.023	0.00%	100.00%
156.0	0.000	0.000	7544.023	0.00%	100.00%
157.0	0.000	0.000	7544.023	0.00%	100.00%
158.0	0.000	0.000	7544.023	0.00%	100.00%
159.0	0.000	0.000	7544.023	0.00%	100.00%
160.0	0.000	0.000	7544.023	0.00%	100.00%
161.0	0.000	0.000	7544.023	0.00%	100.00%
162.0	0.000	0.000	7544.023	0.00%	100.00%
163.0	0.000	0.000	7544.023	0.00%	100.00%
164.0	0.000	0.000	7544.023	0.00%	100.00%
165.0	0.000	0.000	7544.023	0.00%	100.00%
166.0	0.000	0.000	7544.023	0.00%	100.00%
167.0	0.000	0.000	7544.023	0.00%	100.00%
168.0	0.000	0.000	7544.023	0.00%	100.00%
169.0	0.000	0.000	7544.023	0.00%	100.00%
170.0	0.000	0.000	7544.023	0.00%	100.00%
171.0	0.000	0.000	7544.023	0.00%	100.00%
172.0	0.000	0.000	7544.023	0.00%	100.00%
173.0	0.000	0.000	7544.023	0.00%	100.00%
174.0	0.000	0.000	7544.023	0.00%	100.00%
175.0	0.000	0.000	7544.023	0.00%	100.00%
176.0	0.000	0.000	7544.023	0.00%	100.00%
177.0	0.000	0.000	7544.023	0.00%	100.00%
178.0	0.000	0.000	7544.023	0.00%	100.00%
179.0	0.000	0.000	7544.023	0.00%	100.00%
180.0	0.000	0.000	7544.023	0.00%	100.00%

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

Date:
Humidity(%): 56%

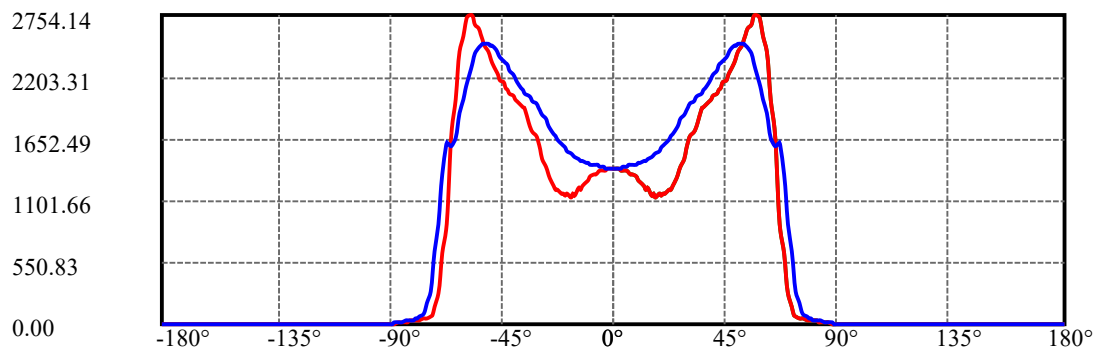
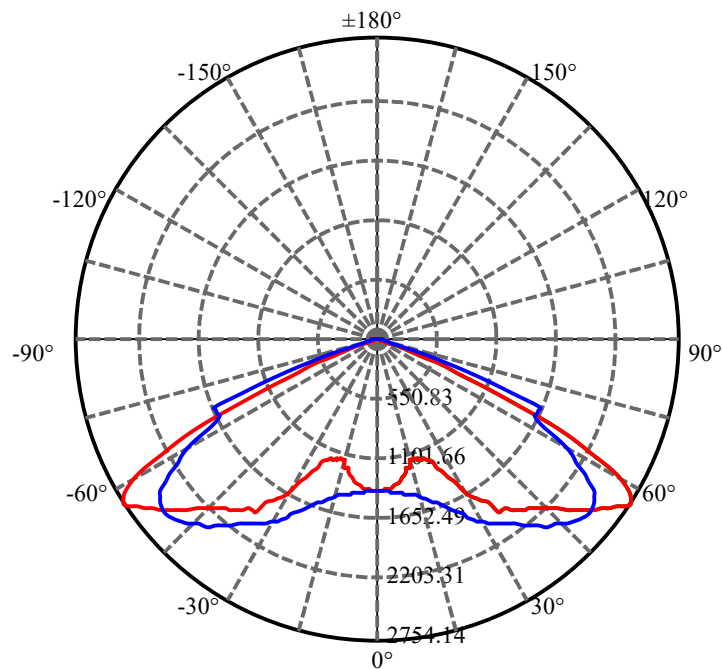
Operator: LSC

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1198.49	15.89%	15.89%
0-40	2337.60	30.99%	30.99%
0-60	5992.86	79.44%	79.44%
0-90	7534.82	99.88%	99.88%
0-120	7543.03	99.99%	99.99%
0-180	7544.02	100.00%	100.00%
60-90	1541.96	20.44%	20.44%
90-120	8.20	0.11%	0.11%
90-130	8.76	0.12%	0.12%
90-150	9.20	0.12%	0.12%
90-180	9.20	0.12%	0.12%
0-60.22	6035.22	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	132.44
10-20	378.66
20-30	687.39
30-40	1139.11
40-50	1622.58
50-60	2032.68
60-70	1355.09
70-80	162.79
80-90	24.08
90-100	4.95
100-110	2.34
110-120	0.91
120-130	0.55
130-140	0.39
140-150	0.05
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max):

C0/C180:

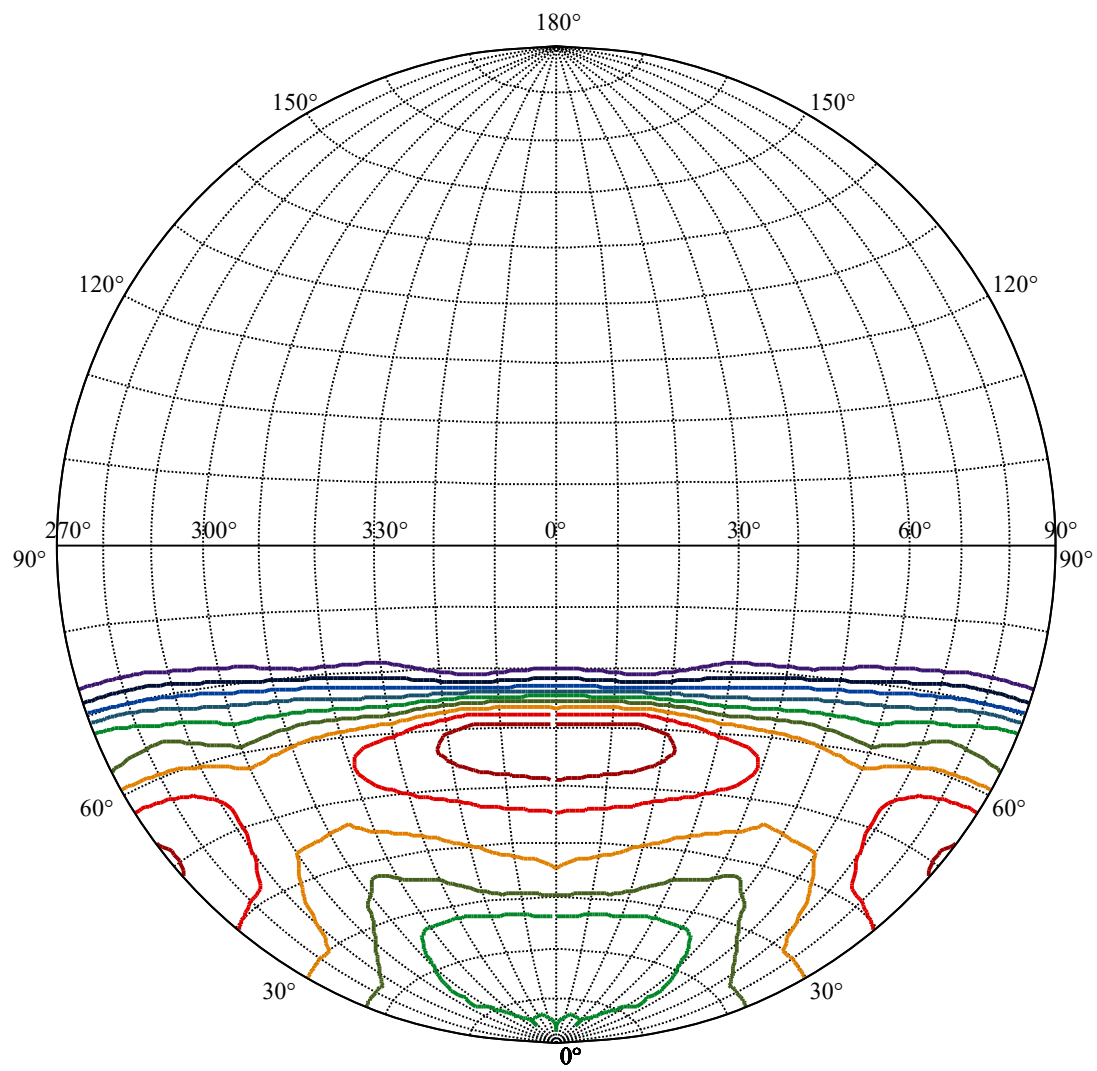
C90/C270:

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

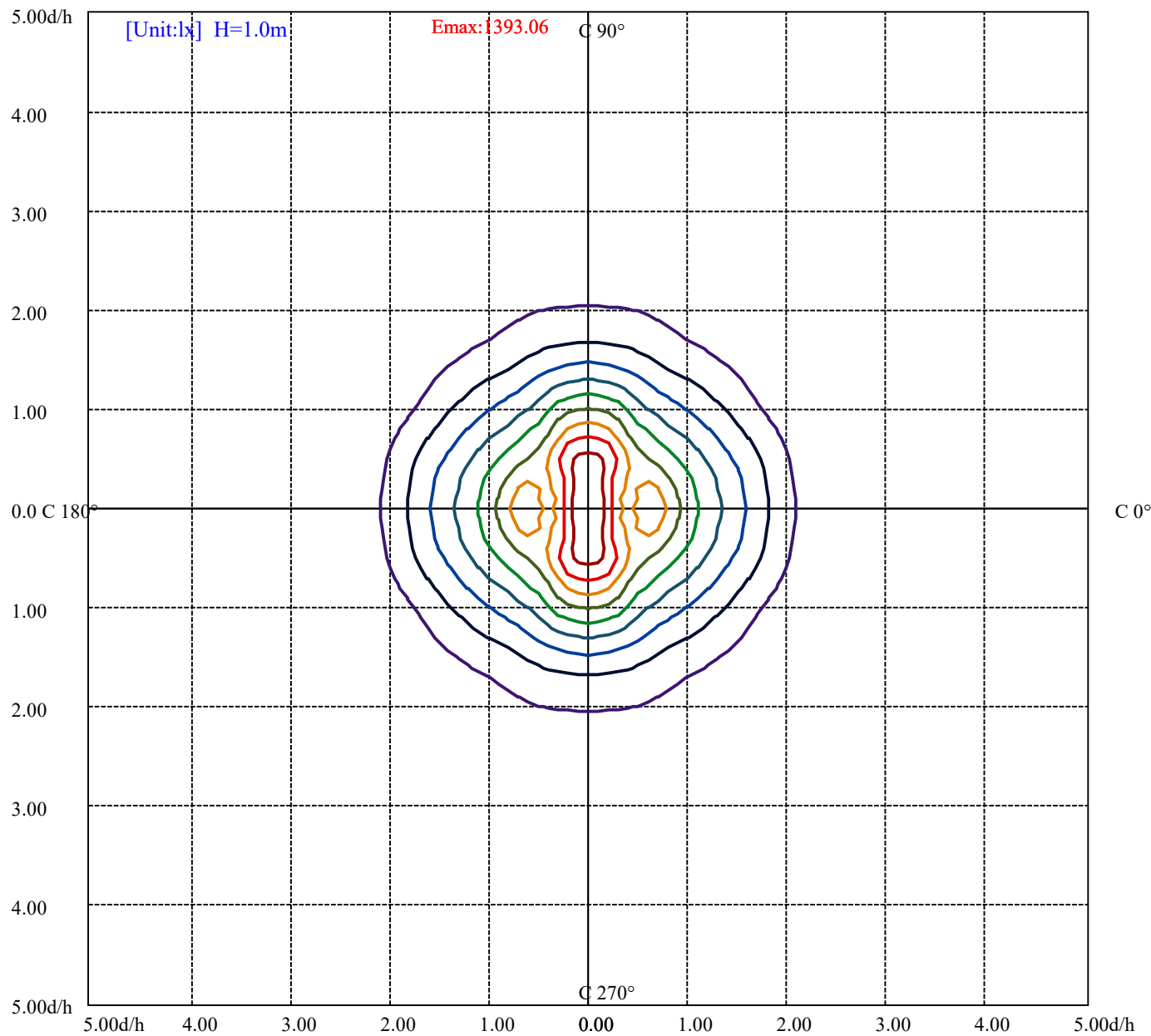


House

[Unit:cd]

Road

Imax:2754.14	
(10%Imax) 275.414	
(20%Imax) 550.829	
(30%Imax) 826.243	
(40%Imax) 1101.66	
(50%Imax) 1377.07	
(60%Imax) 1652.49	
(70%Imax) 1927.9	
(80%Imax) 2203.31	
(90%Imax) 2478.73	



(10%Emax)	139.306	
(20%Emax)	278.612	
(30%Emax)	417.918	
(40%Emax)	557.224	
(50%Emax)	696.53	
(60%Emax)	835.836	
(70%Emax)	975.142	
(80%Emax)	1114.45	
(90%Emax)	1253.75	

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	1393.06	1393.06	1384.85	1373.65	1374.89	1373.65	1358.10	1338.81	1328.24
15.0	1393.06	1393.06	1396.36	1400.40	1400.40	1398.53	1386.71	1374.89	1361.52
30.0	1393.06	1393.06	1388.89	1386.40	1380.18	1375.83	1376.76	1358.10	1357.79
45.0	1393.06	1393.06	1408.80	1408.49	1405.07	1406.31	1409.11	1401.33	1382.67
60.0	1393.06	1393.06	1386.71	1386.40	1388.27	1390.76	1392.00	1388.89	1395.11
75.0	1393.06	1393.06	1416.27	1416.58	1417.82	1418.44	1420.93	1425.60	1429.33
90.0	1393.06	1393.06	1387.96	1390.45	1394.80	1405.38	1411.60	1415.95	1422.18
105.0	1393.06	1393.06	1416.27	1416.58	1417.82	1418.44	1420.93	1425.60	1429.33
120.0	1393.06	1393.06	1386.71	1386.40	1388.27	1390.76	1392.00	1388.89	1395.11
135.0	1393.06	1393.06	1408.80	1408.49	1405.07	1406.31	1409.11	1401.33	1382.67
150.0	1393.06	1393.06	1388.89	1386.40	1380.18	1375.83	1376.76	1358.10	1357.79
165.0	1393.06	1393.06	1396.36	1400.40	1400.40	1398.53	1386.71	1374.89	1361.52
180.0	1393.06	1393.06	1384.85	1373.65	1374.89	1373.65	1358.10	1338.81	1328.24
195.0	1393.06	1393.06	1396.36	1400.40	1400.40	1398.53	1386.71	1374.89	1361.52
210.0	1393.06	1393.06	1388.89	1386.40	1380.18	1375.83	1376.76	1358.10	1357.79
225.0	1393.06	1393.06	1408.80	1408.49	1405.07	1406.31	1409.11	1401.33	1382.67
240.0	1393.06	1393.06	1386.71	1386.40	1388.27	1390.76	1392.00	1388.89	1395.11
255.0	1393.06	1393.06	1416.27	1416.58	1417.82	1418.44	1420.93	1425.60	1429.33
270.0	1393.06	1393.06	1387.96	1390.45	1394.80	1405.38	1411.60	1415.95	1422.18
285.0	1393.06	1393.06	1416.27	1416.58	1417.82	1418.44	1420.93	1425.60	1429.33
300.0	1393.06	1393.06	1386.71	1386.40	1388.27	1390.76	1392.00	1388.89	1395.11
315.0	1393.06	1393.06	1408.80	1408.49	1405.07	1406.31	1409.11	1401.33	1382.67
330.0	1393.06	1393.06	1388.89	1386.40	1380.18	1375.83	1376.76	1358.10	1357.79
345.0	1393.06	1393.06	1396.36	1400.40	1400.40	1398.53	1386.71	1374.89	1361.52
360.0	1393.06	1393.06	1384.85	1373.65	1374.89	1373.65	1358.10	1338.81	1328.24

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1312.68	1280.95	1271.62	1239.89	1204.43	1210.03	1149.69	1155.28	1136.00
15.0	1350.94	1319.21	1296.20	1273.80	1233.05	1187.01	1173.64	1146.89	1128.84
30.0	1348.14	1327.61	1308.95	1300.86	1285.62	1271.31	1257.00	1225.27	1207.85
45.0	1380.49	1372.72	1370.54	1347.83	1346.90	1336.63	1324.50	1305.53	1301.79
60.0	1398.53	1396.98	1395.11	1393.56	1392.94	1404.76	1407.56	1410.98	1420.93
75.0	1434.62	1440.22	1444.26	1453.90	1464.17	1470.70	1493.10	1510.52	1529.18
90.0	1427.15	1434.00	1440.84	1448.93	1458.88	1470.08	1491.85	1506.78	1527.94
105.0	1434.62	1440.22	1444.26	1453.90	1464.17	1470.70	1493.10	1510.52	1529.18
120.0	1398.53	1396.98	1395.11	1393.56	1392.94	1404.76	1407.56	1410.98	1420.93
135.0	1380.49	1372.72	1370.54	1347.83	1346.90	1336.63	1324.50	1305.53	1301.79
150.0	1348.14	1327.61	1308.95	1300.86	1285.62	1271.31	1257.00	1225.27	1207.85
165.0	1350.94	1319.21	1296.20	1273.80	1233.05	1187.01	1173.64	1146.89	1128.84
180.0	1312.68	1280.95	1271.62	1239.89	1204.43	1210.03	1149.69	1155.28	1136.00
195.0	1350.94	1319.21	1296.20	1273.80	1233.05	1187.01	1173.64	1146.89	1128.84
210.0	1348.14	1327.61	1308.95	1300.86	1285.62	1271.31	1257.00	1225.27	1207.85
225.0	1380.49	1372.72	1370.54	1347.83	1346.90	1336.63	1324.50	1305.53	1301.79
240.0	1398.53	1396.98	1395.11	1393.56	1392.94	1404.76	1407.56	1410.98	1420.93
255.0	1434.62	1440.22	1444.26	1453.90	1464.17	1470.70	1493.10	1510.52	1529.18
270.0	1427.15	1434.00	1440.84	1448.93	1458.88	1470.08	1491.85	1506.78	1527.94
285.0	1434.62	1440.22	1444.26	1453.90	1464.17	1470.70	1493.10	1510.52	1529.18
300.0	1398.53	1396.98	1395.11	1393.56	1392.94	1404.76	1407.56	1410.98	1420.93
315.0	1380.49	1372.72	1370.54	1347.83	1346.90	1336.63	1324.50	1305.53	1301.79
330.0	1348.14	1327.61	1308.95	1300.86	1285.62	1271.31	1257.00	1225.27	1207.85
345.0	1350.94	1319.21	1296.20	1273.80	1233.05	1187.01	1173.64	1146.89	1128.84
360.0	1312.68	1280.95	1271.62	1239.89	1204.43	1210.03	1149.69	1155.28	1136.00

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	1164.62	1145.33	1171.46	1169.59	1200.08	1195.72	1233.67	1292.77	1355.61
15.0	1119.51	1115.78	1133.82	1162.13	1162.75	1188.57	1241.14	1295.26	1305.84
30.0	1195.10	1191.06	1186.70	1194.48	1199.14	1221.54	1248.29	1263.53	1290.60
45.0	1307.39	1311.75	1313.93	1319.53	1328.24	1324.19	1336.63	1361.21	1378.63
60.0	1433.37	1445.19	1463.24	1485.32	1521.40	1548.47	1574.60	1593.26	1608.81
75.0	1548.78	1569.00	1592.64	1621.57	1646.76	1674.76	1709.60	1739.15	1781.76
90.0	1546.60	1567.75	1591.39	1615.66	1641.16	1670.40	1700.27	1750.04	1783.01
105.0	1548.78	1569.00	1592.64	1621.57	1646.76	1674.76	1709.60	1739.15	1781.76
120.0	1433.37	1445.19	1463.24	1485.32	1521.40	1548.47	1574.60	1593.26	1608.81
135.0	1307.39	1311.75	1313.93	1319.53	1328.24	1324.19	1336.63	1361.21	1378.63
150.0	1195.10	1191.06	1186.70	1194.48	1199.14	1221.54	1248.29	1263.53	1290.60
165.0	1119.51	1115.78	1133.82	1162.13	1162.75	1188.57	1241.14	1295.26	1305.84
180.0	1164.62	1145.33	1171.46	1169.59	1200.08	1195.72	1233.67	1292.77	1355.61
195.0	1119.51	1115.78	1133.82	1162.13	1162.75	1188.57	1241.14	1295.26	1305.84
210.0	1195.10	1191.06	1186.70	1194.48	1199.14	1221.54	1248.29	1263.53	1290.60
225.0	1307.39	1311.75	1313.93	1319.53	1328.24	1324.19	1336.63	1361.21	1378.63
240.0	1433.37	1445.19	1463.24	1485.32	1521.40	1548.47	1574.60	1593.26	1608.81
255.0	1548.78	1569.00	1592.64	1621.57	1646.76	1674.76	1709.60	1739.15	1781.76
270.0	1546.60	1567.75	1591.39	1615.66	1641.16	1670.40	1700.27	1750.04	1783.01
285.0	1548.78	1569.00	1592.64	1621.57	1646.76	1674.76	1709.60	1739.15	1781.76
300.0	1433.37	1445.19	1463.24	1485.32	1521.40	1548.47	1574.60	1593.26	1608.81
315.0	1307.39	1311.75	1313.93	1319.53	1328.24	1324.19	1336.63	1361.21	1378.63
330.0	1195.10	1191.06	1186.70	1194.48	1199.14	1221.54	1248.29	1263.53	1290.60
345.0	1119.51	1115.78	1133.82	1162.13	1162.75	1188.57	1241.14	1295.26	1305.84
360.0	1164.62	1145.33	1171.46	1169.59	1200.08	1195.72	1233.67	1292.77	1355.61
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1410.98	1477.55	1554.07	1629.34	1678.49	1711.46	1748.17	1804.16	1922.98
15.0	1373.65	1436.48	1522.03	1584.86	1650.50	1720.17	1765.59	1817.53	1842.11
30.0	1336.94	1390.76	1426.84	1460.75	1519.54	1542.56	1574.29	1623.12	1665.74
45.0	1393.25	1450.79	1471.95	1499.01	1525.45	1537.89	1545.36	1564.64	1597.93
60.0	1631.52	1665.74	1687.51	1713.02	1728.26	1745.99	1752.83	1772.43	1785.81
75.0	1813.49	1848.95	1892.81	1925.16	1953.47	1981.78	1996.08	2012.26	2029.37
90.0	1833.40	1864.50	1895.61	1930.45	1961.56	1985.82	2011.95	2038.08	2057.99
105.0	1813.49	1848.95	1892.81	1925.16	1953.47	1981.78	1996.08	2012.26	2029.37
120.0	1631.52	1665.74	1687.51	1713.02	1728.26	1745.99	1752.83	1772.43	1785.81
135.0	1393.25	1450.79	1471.95	1499.01	1525.45	1537.89	1545.36	1564.64	1597.93
150.0	1336.94	1390.76	1426.84	1460.75	1519.54	1542.56	1574.29	1623.12	1665.74
165.0	1373.65	1436.48	1522.03	1584.86	1650.50	1720.17	1765.59	1817.53	1842.11
180.0	1410.98	1477.55	1554.07	1629.34	1678.49	1711.46	1748.17	1804.16	1922.98
195.0	1373.65	1436.48	1522.03	1584.86	1650.50	1720.17	1765.59	1817.53	1842.11
210.0	1336.94	1390.76	1426.84	1460.75	1519.54	1542.56	1574.29	1623.12	1665.74
225.0	1393.25	1450.79	1471.95	1499.01	1525.45	1537.89	1545.36	1564.64	1597.93
240.0	1631.52	1665.74	1687.51	1713.02	1728.26	1745.99	1752.83	1772.43	1785.81
255.0	1813.49	1848.95	1892.81	1925.16	1953.47	1981.78	1996.08	2012.26	2029.37
270.0	1833.40	1864.50	1895.61	1930.45	1961.56	1985.82	2011.95	2038.08	2057.99
285.0	1813.49	1848.95	1892.81	1925.16	1953.47	1981.78	1996.08	2012.26	2029.37
300.0	1631.52	1665.74	1687.51	1713.02	1728.26	1745.99	1752.83	1772.43	1785.81
315.0	1393.25	1450.79	1471.95	1499.01	1525.45	1537.89	1545.36	1564.64	1597.93
330.0	1336.94	1390.76	1426.84	1460.75	1519.54	1542.56	1574.29	1623.12	1665.74
345.0	1373.65	1436.48	1522.03	1584.86	1650.50	1720.17	1765.59	1817.53	1842.11
360.0	1410.98	1477.55	1554.07	1629.34	1678.49	1711.46	1748.17	1804.16	1922.98

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	1934.18	1942.27	1982.09	2005.11	2039.94	2058.61	2080.38	2112.11	2149.44
15.0	1861.40	1889.70	1911.16	1933.56	1958.45	1992.04	2019.73	2053.94	2088.47
30.0	1693.42	1731.37	1772.43	1806.34	1845.53	1878.19	1905.25	1940.09	1970.89
45.0	1623.43	1632.76	1675.69	1688.76	1723.91	1742.26	1785.50	1835.27	1878.19
60.0	1781.76	1784.25	1789.54	1817.22	1838.38	1851.75	1878.81	1903.39	1922.98
75.0	2054.56	2075.41	2104.02	2128.91	2155.04	2181.48	2216.94	2243.07	2273.55
90.0	2082.25	2106.51	2151.93	2183.66	2216.63	2250.22	2302.48	2328.61	2347.90
105.0	2054.56	2075.41	2104.02	2128.91	2155.04	2181.48	2216.94	2243.07	2273.55
120.0	1781.76	1784.25	1789.54	1817.22	1838.38	1851.75	1878.81	1903.39	1922.98
135.0	1623.43	1632.76	1675.69	1688.76	1723.91	1742.26	1785.50	1835.27	1878.19
150.0	1693.42	1731.37	1772.43	1806.34	1845.53	1878.19	1905.25	1940.09	1970.89
165.0	1861.40	1889.70	1911.16	1933.56	1958.45	1992.04	2019.73	2053.94	2088.47
180.0	1934.18	1942.27	1982.09	2005.11	2039.94	2058.61	2080.38	2112.11	2149.44
195.0	1861.40	1889.70	1911.16	1933.56	1958.45	1992.04	2019.73	2053.94	2088.47
210.0	1693.42	1731.37	1772.43	1806.34	1845.53	1878.19	1905.25	1940.09	1970.89
225.0	1623.43	1632.76	1675.69	1688.76	1723.91	1742.26	1785.50	1835.27	1878.19
240.0	1781.76	1784.25	1789.54	1817.22	1838.38	1851.75	1878.81	1903.39	1922.98
255.0	2054.56	2075.41	2104.02	2128.91	2155.04	2181.48	2216.94	2243.07	2273.55
270.0	2082.25	2106.51	2151.93	2183.66	2216.63	2250.22	2302.48	2328.61	2347.90
285.0	2054.56	2075.41	2104.02	2128.91	2155.04	2181.48	2216.94	2243.07	2273.55
300.0	1781.76	1784.25	1789.54	1817.22	1838.38	1851.75	1878.81	1903.39	1922.98
315.0	1623.43	1632.76	1675.69	1688.76	1723.91	1742.26	1785.50	1835.27	1878.19
330.0	1693.42	1731.37	1772.43	1806.34	1845.53	1878.19	1905.25	1940.09	1970.89
345.0	1861.40	1889.70	1911.16	1933.56	1958.45	1992.04	2019.73	2053.94	2088.47
360.0	1934.18	1942.27	1982.09	2005.11	2039.94	2058.61	2080.38	2112.11	2149.44
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2179.30	2226.58	2262.66	2326.74	2372.16	2421.31	2473.57	2525.82	2579.33
15.0	2126.11	2170.90	2214.76	2248.36	2299.06	2360.96	2403.58	2444.64	2484.14
30.0	2009.15	2050.52	2086.29	2120.82	2174.95	2204.81	2248.04	2283.82	2313.06
45.0	1905.88	1922.05	1932.94	1969.02	1990.49	2024.39	2058.92	2082.56	2098.43
60.0	1947.87	1958.45	1968.71	1987.69	2008.22	2020.35	2025.32	2025.95	2037.46
75.0	2297.81	2321.14	2335.76	2346.34	2359.72	2361.89	2357.85	2347.27	2337.01
90.0	2378.38	2414.46	2438.10	2472.94	2487.87	2497.83	2499.69	2495.96	2482.27
105.0	2297.81	2321.14	2335.76	2346.34	2359.72	2361.89	2357.85	2347.27	2337.01
120.0	1947.87	1958.45	1968.71	1987.69	2008.22	2020.35	2025.32	2025.95	2037.46
135.0	1905.88	1922.05	1932.94	1969.02	1990.49	2024.39	2058.92	2082.56	2098.43
150.0	2009.15	2050.52	2086.29	2120.82	2174.95	2204.81	2248.04	2283.82	2313.06
165.0	2126.11	2170.90	2214.76	2248.36	2299.06	2360.96	2403.58	2444.64	2484.14
180.0	2179.30	2226.58	2262.66	2326.74	2372.16	2421.31	2473.57	2525.82	2579.33
195.0	2126.11	2170.90	2214.76	2248.36	2299.06	2360.96	2403.58	2444.64	2484.14
210.0	2009.15	2050.52	2086.29	2120.82	2174.95	2204.81	2248.04	2283.82	2313.06
225.0	1905.88	1922.05	1932.94	1969.02	1990.49	2024.39	2058.92	2082.56	2098.43
240.0	1947.87	1958.45	1968.71	1987.69	2008.22	2020.35	2025.32	2025.95	2037.46
255.0	2297.81	2321.14	2335.76	2346.34	2359.72	2361.89	2357.85	2347.27	2337.01
270.0	2378.38	2414.46	2438.10	2472.94	2487.87	2497.83	2499.69	2495.96	2482.27
285.0	2297.81	2321.14	2335.76	2346.34	2359.72	2361.89	2357.85	2347.27	2337.01
300.0	1947.87	1958.45	1968.71	1987.69	2008.22	2020.35	2025.32	2025.95	2037.46
315.0	1905.88	1922.05	1932.94	1969.02	1990.49	2024.39	2058.92	2082.56	2098.43
330.0	2009.15	2050.52	2086.29	2120.82	2174.95	2204.81	2248.04	2283.82	2313.06
345.0	2126.11	2170.90	2214.76	2248.36	2299.06	2360.96	2403.58	2444.64	2484.14
360.0	2179.30	2226.58	2262.66	2326.74	2372.16	2421.31	2473.57	2525.82	2579.33

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	2629.10	2674.51	2728.64	2754.14	2729.88	2673.89	2573.73	2426.28	2232.80
15.0	2526.76	2563.77	2593.95	2621.01	2627.85	2630.03	2561.91	2469.52	2327.37
30.0	2335.14	2342.61	2344.47	2332.97	2298.44	2243.69	2157.53	2045.54	1853.31
45.0	2110.24	2113.04	2107.13	2096.87	2083.18	2041.50	1981.46	1871.35	1770.56
60.0	2037.15	2021.90	1995.15	1958.76	1909.61	1838.38	1767.77	1652.05	1567.13
75.0	2313.68	2262.98	2217.87	2169.04	2112.42	2046.17	1943.20	1873.21	1813.80
90.0	2457.39	2419.44	2336.08	2267.64	2155.04	2081.63	1995.77	1885.66	1758.12
105.0	2313.68	2262.98	2217.87	2169.04	2112.42	2046.17	1943.20	1873.21	1813.80
120.0	2037.15	2021.90	1995.15	1958.76	1909.61	1838.38	1767.77	1652.05	1567.13
135.0	2110.24	2113.04	2107.13	2096.87	2083.18	2041.50	1981.46	1871.35	1770.56
150.0	2335.14	2342.61	2344.47	2332.97	2298.44	2243.69	2157.53	2045.54	1853.31
165.0	2526.76	2563.77	2593.95	2621.01	2627.85	2630.03	2561.91	2469.52	2327.37
180.0	2629.10	2674.51	2728.64	2754.14	2729.88	2673.89	2573.73	2426.28	2232.80
195.0	2526.76	2563.77	2593.95	2621.01	2627.85	2630.03	2561.91	2469.52	2327.37
210.0	2335.14	2342.61	2344.47	2332.97	2298.44	2243.69	2157.53	2045.54	1853.31
225.0	2110.24	2113.04	2107.13	2096.87	2083.18	2041.50	1981.46	1871.35	1770.56
240.0	2037.15	2021.90	1995.15	1958.76	1909.61	1838.38	1767.77	1652.05	1567.13
255.0	2313.68	2262.98	2217.87	2169.04	2112.42	2046.17	1943.20	1873.21	1813.80
270.0	2457.39	2419.44	2336.08	2267.64	2155.04	2081.63	1995.77	1885.66	1758.12
285.0	2313.68	2262.98	2217.87	2169.04	2112.42	2046.17	1943.20	1873.21	1813.80
300.0	2037.15	2021.90	1995.15	1958.76	1909.61	1838.38	1767.77	1652.05	1567.13
315.0	2110.24	2113.04	2107.13	2096.87	2083.18	2041.50	1981.46	1871.35	1770.56
330.0	2335.14	2342.61	2344.47	2332.97	2298.44	2243.69	2157.53	2045.54	1853.31
345.0	2526.76	2563.77	2593.95	2621.01	2627.85	2630.03	2561.91	2469.52	2327.37
360.0	2629.10	2674.51	2728.64	2754.14	2729.88	2673.89	2573.73	2426.28	2232.80

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2006.35	1748.79	1475.06	1080.63	836.13	626.48	430.51	270.62	158.02
15.0	2057.36	1788.30	1474.12	1139.42	741.26	470.95	265.34	115.40	88.03
30.0	1645.21	1461.68	1233.36	1062.28	902.39	753.39	562.40	443.89	310.13
45.0	1650.81	1486.25	1342.86	1194.79	1044.24	886.84	671.90	485.26	295.20
60.0	1474.12	1395.74	1321.08	1229.32	1103.96	958.38	816.85	609.37	480.28
75.0	1738.53	1667.91	1564.64	1433.37	1243.32	1144.09	1041.75	793.52	644.52
90.0	1652.98	1598.86	1598.86	1611.30	1592.01	1326.37	1122.31	886.53	656.96
105.0	1738.53	1667.91	1564.64	1433.37	1243.32	1144.09	1041.75	793.52	644.52
120.0	1474.12	1395.74	1321.08	1229.32	1103.96	958.38	816.85	609.37	480.28
135.0	1650.81	1486.25	1342.86	1194.79	1044.24	886.84	671.90	485.26	295.20
150.0	1645.21	1461.68	1233.36	1062.28	902.39	753.39	562.40	443.89	310.13
165.0	2057.36	1788.30	1474.12	1139.42	741.26	470.95	265.34	115.40	88.03
180.0	2006.35	1748.79	1475.06	1080.63	836.13	626.48	430.51	270.62	158.02
195.0	2057.36	1788.30	1474.12	1139.42	741.26	470.95	265.34	115.40	88.03
210.0	1645.21	1461.68	1233.36	1062.28	902.39	753.39	562.40	443.89	310.13
225.0	1650.81	1486.25	1342.86	1194.79	1044.24	886.84	671.90	485.26	295.20
240.0	1474.12	1395.74	1321.08	1229.32	1103.96	958.38	816.85	609.37	480.28
255.0	1738.53	1667.91	1564.64	1433.37	1243.32	1144.09	1041.75	793.52	644.52
270.0	1652.98	1598.86	1598.86	1611.30	1592.01	1326.37	1122.31	886.53	656.96
285.0	1738.53	1667.91	1564.64	1433.37	1243.32	1144.09	1041.75	793.52	644.52
300.0	1474.12	1395.74	1321.08	1229.32	1103.96	958.38	816.85	609.37	480.28
315.0	1650.81	1486.25	1342.86	1194.79	1044.24	886.84	671.90	485.26	295.20
330.0	1645.21	1461.68	1233.36	1062.28	902.39	753.39	562.40	443.89	310.13
345.0	2057.36	1788.30	1474.12	1139.42	741.26	470.95	265.34	115.40	88.03
360.0	2006.35	1748.79	1475.06	1080.63	836.13	626.48	430.51	270.62	158.02

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	91.45	66.57	59.10	54.13	49.15	41.68	37.33	33.60	28.62
15.0	78.39	70.30	64.08	58.48	53.19	44.79	41.99	38.57	32.97
30.0	250.72	166.11	112.61	79.32	65.01	59.41	53.19	48.53	42.93
45.0	195.97	133.14	94.87	76.52	66.57	58.79	54.13	46.66	42.31
60.0	361.45	208.41	143.40	103.27	79.01	65.32	57.24	52.57	45.42
75.0	493.97	307.64	218.68	156.46	113.85	85.23	69.06	60.66	51.64
90.0	457.88	299.24	190.99	126.29	86.47	61.59	54.75	45.42	39.82
105.0	493.97	307.64	218.68	156.46	113.85	85.23	69.06	60.66	51.64
120.0	361.45	208.41	143.40	103.27	79.01	65.32	57.24	52.57	45.42
135.0	195.97	133.14	94.87	76.52	66.57	58.79	54.13	46.66	42.31
150.0	250.72	166.11	112.61	79.32	65.01	59.41	53.19	48.53	42.93
165.0	78.39	70.30	64.08	58.48	53.19	44.79	41.99	38.57	32.97
180.0	91.45	66.57	59.10	54.13	49.15	41.68	37.33	33.60	28.62
195.0	78.39	70.30	64.08	58.48	53.19	44.79	41.99	38.57	32.97
210.0	250.72	166.11	112.61	79.32	65.01	59.41	53.19	48.53	42.93
225.0	195.97	133.14	94.87	76.52	66.57	58.79	54.13	46.66	42.31
240.0	361.45	208.41	143.40	103.27	79.01	65.32	57.24	52.57	45.42
255.0	493.97	307.64	218.68	156.46	113.85	85.23	69.06	60.66	51.64
270.0	457.88	299.24	190.99	126.29	86.47	61.59	54.75	45.42	39.82
285.0	493.97	307.64	218.68	156.46	113.85	85.23	69.06	60.66	51.64
300.0	361.45	208.41	143.40	103.27	79.01	65.32	57.24	52.57	45.42
315.0	195.97	133.14	94.87	76.52	66.57	58.79	54.13	46.66	42.31
330.0	250.72	166.11	112.61	79.32	65.01	59.41	53.19	48.53	42.93
345.0	78.39	70.30	64.08	58.48	53.19	44.79	41.99	38.57	32.97
360.0	91.45	66.57	59.10	54.13	49.15	41.68	37.33	33.60	28.62
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	26.13	22.40	19.91	16.18	13.07	11.20	7.47	5.60	4.36
15.0	30.17	26.75	22.40	19.29	16.49	13.69	11.20	7.78	5.60
30.0	36.39	32.97	28.93	23.95	21.46	17.73	14.93	12.75	10.27
45.0	37.95	32.04	28.62	25.82	22.71	19.60	17.11	14.62	12.44
60.0	39.82	35.46	31.42	26.44	24.26	20.84	18.04	16.18	14.00
75.0	46.35	41.68	33.91	29.55	25.51	22.09	18.04	14.93	12.75
90.0	32.97	29.24	26.13	21.78	18.04	14.31	9.33	6.22	3.73
105.0	46.35	41.68	33.91	29.55	25.51	22.09	18.04	14.93	12.75
120.0	39.82	35.46	31.42	26.44	24.26	20.84	18.04	16.18	14.00
135.0	37.95	32.04	28.62	25.82	22.71	19.60	17.11	14.62	12.44
150.0	36.39	32.97	28.93	23.95	21.46	17.73	14.93	12.75	10.27
165.0	30.17	26.75	22.40	19.29	16.49	13.69	11.20	7.78	5.60
180.0	26.13	22.40	19.91	16.18	13.07	11.20	7.47	5.60	4.36
195.0	30.17	26.75	22.40	19.29	16.49	13.69	11.20	7.78	5.60
210.0	36.39	32.97	28.93	23.95	21.46	17.73	14.93	12.75	10.27
225.0	37.95	32.04	28.62	25.82	22.71	19.60	17.11	14.62	12.44
240.0	39.82	35.46	31.42	26.44	24.26	20.84	18.04	16.18	14.00
255.0	46.35	41.68	33.91	29.55	25.51	22.09	18.04	14.93	12.75
270.0	32.97	29.24	26.13	21.78	18.04	14.31	9.33	6.22	3.73
285.0	46.35	41.68	33.91	29.55	25.51	22.09	18.04	14.93	12.75
300.0	39.82	35.46	31.42	26.44	24.26	20.84	18.04	16.18	14.00
315.0	37.95	32.04	28.62	25.82	22.71	19.60	17.11	14.62	12.44
330.0	36.39	32.97	28.93	23.95	21.46	17.73	14.93	12.75	10.27
345.0	30.17	26.75	22.40	19.29	16.49	13.69	11.20	7.78	5.60
360.0	26.13	22.40	19.91	16.18	13.07	11.20	7.47	5.60	4.36

Intensity data(cd)

Appendix Page: 16 Total:21

C/ γ (°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	3.11	2.49	1.24	0.62	0.62	0.62	0.62	0.62	0.62
15.0	3.11	1.56	0.93	0.93	0.62	0.62	0.62	0.62	0.62
30.0	8.09	6.22	4.98	4.04	3.42	2.80	2.49	2.49	1.87
45.0	9.95	8.71	6.84	6.53	6.22	5.91	5.60	5.29	4.98
60.0	12.13	11.20	10.58	9.64	8.71	8.40	8.40	7.47	7.47
75.0	10.27	9.33	7.78	6.84	6.84	6.84	6.84	6.53	6.22
90.0	2.49	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	10.27	9.33	7.78	6.84	6.84	6.84	6.84	6.53	6.22
120.0	12.13	11.20	10.58	9.64	8.71	8.40	8.40	7.47	7.47
135.0	9.95	8.71	6.84	6.53	6.22	5.91	5.60	5.29	4.98
150.0	8.09	6.22	4.98	4.04	3.42	2.80	2.49	2.49	1.87
165.0	3.11	1.56	0.93	0.93	0.62	0.62	0.62	0.62	0.62
180.0	3.11	2.49	1.24	0.62	0.62	0.62	0.62	0.62	0.62
195.0	3.11	1.56	0.93	0.93	0.62	0.62	0.62	0.62	0.62
210.0	8.09	6.22	4.98	4.04	3.42	2.80	2.49	2.49	1.87
225.0	9.95	8.71	6.84	6.53	6.22	5.91	5.60	5.29	4.98
240.0	12.13	11.20	10.58	9.64	8.71	8.40	8.40	7.47	7.47
255.0	10.27	9.33	7.78	6.84	6.84	6.84	6.84	6.53	6.22
270.0	2.49	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	10.27	9.33	7.78	6.84	6.84	6.84	6.84	6.53	6.22
300.0	12.13	11.20	10.58	9.64	8.71	8.40	8.40	7.47	7.47
315.0	9.95	8.71	6.84	6.53	6.22	5.91	5.60	5.29	4.98
330.0	8.09	6.22	4.98	4.04	3.42	2.80	2.49	2.49	1.87
345.0	3.11	1.56	0.93	0.93	0.62	0.62	0.62	0.62	0.62
360.0	3.11	2.49	1.24	0.62	0.62	0.62	0.62	0.62	0.62
C/ γ (°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.62	0.62	0.62	0.00	0.00	0.00	0.00	0.00	0.62
15.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
30.0	1.87	1.87	1.87	1.87	1.87	1.56	1.24	1.24	1.24
45.0	4.67	4.36	3.73	3.42	3.11	2.49	2.49	2.49	2.18
60.0	6.84	6.84	5.91	5.60	4.98	4.36	4.04	3.42	3.42
75.0	6.22	6.22	5.60	4.98	4.98	4.67	4.04	3.73	3.42
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	6.22	6.22	5.60	4.98	4.98	4.67	4.04	3.73	3.42
120.0	6.84	6.84	5.91	5.60	4.98	4.36	4.04	3.42	3.42
135.0	4.67	4.36	3.73	3.42	3.11	2.49	2.49	2.49	2.18
150.0	1.87	1.87	1.87	1.87	1.87	1.56	1.24	1.24	1.24
165.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
180.0	0.62	0.62	0.62	0.00	0.00	0.00	0.00	0.00	0.62
195.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
210.0	1.87	1.87	1.87	1.87	1.87	1.56	1.24	1.24	1.24
225.0	4.67	4.36	3.73	3.42	3.11	2.49	2.49	2.49	2.18
240.0	6.84	6.84	5.91	5.60	4.98	4.36	4.04	3.42	3.42
255.0	6.22	6.22	5.60	4.98	4.98	4.67	4.04	3.73	3.42
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	6.22	6.22	5.60	4.98	4.98	4.67	4.04	3.73	3.42
300.0	6.84	6.84	5.91	5.60	4.98	4.36	4.04	3.42	3.42
315.0	4.67	4.36	3.73	3.42	3.11	2.49	2.49	2.49	2.18
330.0	1.87	1.87	1.87	1.87	1.87	1.56	1.24	1.24	1.24
345.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
360.0	0.62	0.62	0.62	0.00	0.00	0.00	0.00	0.00	0.62

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
15.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
30.0	1.24	1.24	1.24	1.24	0.93	0.62	0.62	0.62	0.62
45.0	2.18	1.56	1.56	1.24	1.24	0.62	0.62	0.62	0.62
60.0	2.80	2.18	2.18	1.87	1.87	1.87	1.56	1.24	1.24
75.0	3.11	2.80	2.49	2.18	2.18	1.87	1.56	1.56	1.56
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	3.11	2.80	2.49	2.18	2.18	1.87	1.56	1.56	1.56
120.0	2.80	2.18	2.18	1.87	1.87	1.87	1.56	1.24	1.24
135.0	2.18	1.56	1.56	1.24	1.24	0.62	0.62	0.62	0.62
150.0	1.24	1.24	1.24	1.24	0.93	0.62	0.62	0.62	0.62
165.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
180.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
195.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
210.0	1.24	1.24	1.24	1.24	0.93	0.62	0.62	0.62	0.62
225.0	2.18	1.56	1.56	1.24	1.24	0.62	0.62	0.62	0.62
240.0	2.80	2.18	2.18	1.87	1.87	1.87	1.56	1.24	1.24
255.0	3.11	2.80	2.49	2.18	2.18	1.87	1.56	1.56	1.56
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	3.11	2.80	2.49	2.18	2.18	1.87	1.56	1.56	1.56
300.0	2.80	2.18	2.18	1.87	1.87	1.87	1.56	1.24	1.24
315.0	2.18	1.56	1.56	1.24	1.24	0.62	0.62	0.62	0.62
330.0	1.24	1.24	1.24	1.24	0.93	0.62	0.62	0.62	0.62
345.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
360.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.62	0.62	0.62	0.62	1.24	1.24	1.24	1.24	1.24
15.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
30.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
45.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
60.0	1.24	1.24	0.93	0.93	0.62	0.62	0.62	0.62	0.62
75.0	0.93	0.93	0.93	0.93	0.62	0.62	0.62	0.62	0.62
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.93	0.93	0.93	0.93	0.62	0.62	0.62	0.62	0.62
120.0	1.24	1.24	0.93	0.93	0.62	0.62	0.62	0.62	0.62
135.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
150.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
165.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
180.0	0.62	0.62	0.62	0.62	1.24	1.24	1.24	1.24	1.24
195.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
210.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
225.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
240.0	1.24	1.24	0.93	0.93	0.62	0.62	0.62	0.62	0.62
255.0	0.93	0.93	0.93	0.93	0.62	0.62	0.62	0.62	0.62
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.93	0.93	0.93	0.93	0.62	0.62	0.62	0.62	0.62
300.0	1.24	1.24	0.93	0.93	0.62	0.62	0.62	0.62	0.62
315.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
330.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
345.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
360.0	0.62	0.62	0.62	0.62	1.24	1.24	1.24	1.24	1.24

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.62	0.62
15.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
30.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
45.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
60.0	0.62	0.62	0.62	0.31	0.31	0.62	0.62	0.31	0.31
75.0	0.62	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.31
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.62	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.31
120.0	0.62	0.62	0.62	0.31	0.31	0.62	0.62	0.31	0.31
135.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
150.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
165.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
180.0	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.62	0.62
195.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
210.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
225.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
240.0	0.62	0.62	0.62	0.31	0.31	0.62	0.62	0.31	0.31
255.0	0.62	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.31
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.62	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.31
300.0	0.62	0.62	0.62	0.31	0.31	0.62	0.62	0.31	0.31
315.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
330.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
345.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
360.0	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.62	0.62
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.00
15.0	0.62	0.93	0.93	0.62	0.31	0.31	0.31	0.00	0.00
30.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.31
45.0	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.00	0.00
60.0	0.62	0.62	0.62	0.62	0.31	0.31	0.00	0.00	0.00
75.0	0.31	0.31	0.31	0.31	0.31	0.31	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	0.31	0.31	0.31	0.31	0.31	0.31	0.00	0.00	0.00
120.0	0.62	0.62	0.62	0.62	0.31	0.31	0.00	0.00	0.00
135.0	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.00	0.00
150.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.31
165.0	0.62	0.93	0.93	0.62	0.31	0.31	0.31	0.00	0.00
180.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.00
195.0	0.62	0.93	0.93	0.62	0.31	0.31	0.31	0.00	0.00
210.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.31
225.0	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.00	0.00
240.0	0.62	0.62	0.62	0.62	0.31	0.31	0.00	0.00	0.00
255.0	0.31	0.31	0.31	0.31	0.31	0.31	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	0.31	0.31	0.31	0.31	0.31	0.31	0.00	0.00	0.00
300.0	0.62	0.62	0.62	0.62	0.31	0.31	0.00	0.00	0.00
315.0	0.62	0.62	0.62	0.62	0.31	0.31	0.31	0.00	0.00
330.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.31
345.0	0.62	0.93	0.93	0.62	0.31	0.31	0.31	0.00	0.00
360.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	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	0.31	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	0.31	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	0.31	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	0.31	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