

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	41.000 W
Luminaire	:	0003010030 41W 3000K 5330lm PF	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	5330.0 lm	:	Width : 348 mm
Number of Lamps	:	1	:	Length : 348 mm
Phm Type	:	C	:	Height : 0 mm

Photometric Results

Lumens(lm)	:	5330.00	Central intensity(cd)	:	984.223
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1945.855
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	984.223	0.000	0	0.00%	0.00%
1.0	984.223	0.942	0.942	0.02%	0.02%
2.0	987.176	2.830	3.771	0.05%	0.07%
3.0	986.809	4.721	8.493	0.09%	0.16%
4.0	986.370	6.605	15.097	0.12%	0.28%
5.0	986.700	8.488	23.585	0.16%	0.44%
6.0	985.637	10.365	33.951	0.19%	0.64%
7.0	980.436	12.203	46.154	0.23%	0.87%
8.0	977.543	14.013	60.167	0.26%	1.13%
9.0	975.308	15.827	75.994	0.30%	1.43%
10.0	967.250	17.579	93.573	0.33%	1.76%
11.0	962.195	19.279	112.852	0.36%	2.12%
12.0	955.492	20.963	133.815	0.39%	2.51%
13.0	948.423	22.595	156.41	0.42%	2.93%
14.0	943.258	24.213	180.623	0.45%	3.39%
15.0	939.265	25.844	206.467	0.48%	3.87%
16.0	933.808	27.446	233.913	0.51%	4.39%
17.0	932.672	29.066	262.979	0.55%	4.93%
18.0	937.288	30.832	293.811	0.58%	5.51%
19.0	940.768	32.674	326.485	0.61%	6.13%
20.0	950.474	34.615	361.1	0.65%	6.77%
21.0	962.708	36.737	397.837	0.69%	7.46%
22.0	974.869	38.936	436.774	0.73%	8.19%
23.0	988.018	41.187	477.96	0.77%	8.97%
24.0	1009.996	43.684	521.644	0.82%	9.79%
25.0	1033.145	46.457	568.1	0.87%	10.66%
26.0	1052.118	49.223	617.323	0.92%	11.58%
27.0	1079.919	52.161	669.484	0.98%	12.56%
28.0	1114.387	55.555	725.039	1.04%	13.60%
29.0	1145.265	59.119	784.158	1.11%	14.71%
30.0	1173.139	62.596	846.755	1.17%	15.89%
31.0	1200.757	66.062	912.817	1.24%	17.13%
32.0	1221.928	69.407	982.224	1.30%	18.43%
33.0	1238.081	72.473	1054.696	1.36%	19.79%
34.0	1261.267	75.638	1130.334	1.42%	21.21%
35.0	1284.856	79.073	1209.407	1.48%	22.69%
36.0	1297.969	82.238	1291.645	1.54%	24.23%
37.0	1311.521	85.107	1376.752	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	1332.949	88.269	1465.021	1.66%	27.49%
39.0	1350.531	91.595	1556.615	1.72%	29.20%
40.0	1371.775	94.944	1651.56	1.78%	30.99%
41.0	1389.504	98.328	1749.887	1.84%	32.83%
42.0	1412.763	101.811	1851.699	1.91%	34.74%
43.0	1436.132	105.531	1957.23	1.98%	36.72%
44.0	1458.109	109.237	2066.467	2.05%	38.77%
45.0	1479.646	112.901	2179.368	2.12%	40.89%
46.0	1500.598	116.551	2295.919	2.19%	43.08%
47.0	1517.703	120.046	2415.965	2.25%	45.33%
48.0	1539.278	123.579	2539.544	2.32%	47.65%
49.0	1561.695	127.343	2666.887	2.39%	50.04%
50.0	1581.657	131.057	2797.944	2.46%	52.49%
51.0	1599.129	134.574	2932.518	2.52%	55.02%
52.0	1612.645	137.820	3070.338	2.59%	57.60%
53.0	1625.098	140.842	3211.179	2.64%	60.25%
54.0	1632.790	143.594	3354.773	2.69%	62.94%
55.0	1631.032	145.692	3500.465	2.73%	65.67%
56.0	1623.926	147.082	3647.547	2.76%	68.43%
57.0	1611.985	147.953	3795.501	2.78%	71.21%
58.0	1586.602	147.914	3943.415	2.78%	73.99%
59.0	1551.695	146.717	4090.132	2.75%	76.74%
60.0	1495.067	143.940	4234.072	2.70%	79.44%
61.0	1421.004	139.161	4373.232	2.61%	82.05%
62.0	1333.865	132.746	4505.978	2.49%	84.54%
63.0	1224.126	124.408	4630.387	2.33%	86.87%
64.0	1115.559	114.807	4745.194	2.15%	89.03%
65.0	997.725	104.585	4849.779	1.96%	90.99%
66.0	871.979	93.286	4943.065	1.75%	92.74%
67.0	735.867	80.847	5023.912	1.52%	94.26%
68.0	611.148	68.235	5092.147	1.28%	95.54%
69.0	486.867	56.015	5148.163	1.05%	96.59%
70.0	356.322	43.305	5191.467	0.81%	97.40%
71.0	262.077	31.962	5223.43	0.60%	98.00%
72.0	194.900	23.761	5247.191	0.45%	98.45%
73.0	125.819	16.771	5263.962	0.31%	98.76%
74.0	89.337	11.311	5275.274	0.21%	98.97%
75.0	66.444	8.231	5283.505	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	52.452	6.311	5289.816	0.12%	99.25%
77.0	43.002	5.089	5294.905	0.10%	99.34%
78.0	37.874	4.329	5299.235	0.08%	99.42%
79.0	33.735	3.848	5303.082	0.07%	99.50%
80.0	29.376	3.402	5306.485	0.06%	99.56%
81.0	25.933	2.991	5309.476	0.06%	99.62%
82.0	22.929	2.650	5312.125	0.05%	99.66%
83.0	19.816	2.324	5314.449	0.04%	99.71%
84.0	16.959	2.003	5316.452	0.04%	99.75%
85.0	14.834	1.735	5318.188	0.03%	99.78%
86.0	12.564	1.498	5319.685	0.03%	99.81%
87.0	10.329	1.253	5320.938	0.02%	99.83%
88.0	8.498	1.031	5321.969	0.02%	99.85%
89.0	6.960	0.847	5322.817	0.02%	99.87%
90.0	5.458	0.681	5323.498	0.01%	99.88%
91.0	4.578	0.550	5324.048	0.01%	99.89%
92.0	3.736	0.456	5324.504	0.01%	99.90%
93.0	3.333	0.387	5324.891	0.01%	99.90%
94.0	3.077	0.351	5325.242	0.01%	99.91%
95.0	2.930	0.328	5325.57	0.01%	99.92%
96.0	2.857	0.316	5325.886	0.01%	99.92%
97.0	2.674	0.301	5326.187	0.01%	99.93%
98.0	2.527	0.283	5326.47	0.01%	99.93%
99.0	2.417	0.268	5326.738	0.01%	99.94%
100.0	2.381	0.259	5326.997	0.00%	99.94%
101.0	2.124	0.243	5327.24	0.00%	99.95%
102.0	1.941	0.218	5327.459	0.00%	99.95%
103.0	1.832	0.202	5327.661	0.00%	99.96%
104.0	1.612	0.184	5327.844	0.00%	99.96%
105.0	1.465	0.163	5328.008	0.00%	99.96%
106.0	1.355	0.149	5328.157	0.00%	99.97%
107.0	1.318	0.141	5328.297	0.00%	99.97%
108.0	1.208	0.132	5328.429	0.00%	99.97%
109.0	1.025	0.116	5328.545	0.00%	99.97%
110.0	0.989	0.104	5328.65	0.00%	99.97%
111.0	0.879	0.096	5328.745	0.00%	99.98%
112.0	0.842	0.088	5328.833	0.00%	99.98%
113.0	0.696	0.078	5328.911	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	0.622	0.066	5328.977	0.00%	99.98%
115.0	0.586	0.060	5329.038	0.00%	99.98%
116.0	0.586	0.058	5329.096	0.00%	99.98%
117.0	0.512	0.054	5329.15	0.00%	99.98%
118.0	0.512	0.050	5329.199	0.00%	99.99%
119.0	0.476	0.048	5329.247	0.00%	99.99%
120.0	0.476	0.045	5329.292	0.00%	99.99%
121.0	0.439	0.043	5329.336	0.00%	99.99%
122.0	0.439	0.041	5329.377	0.00%	99.99%
123.0	0.439	0.041	5329.417	0.00%	99.99%
124.0	0.439	0.040	5329.457	0.00%	99.99%
125.0	0.439	0.040	5329.497	0.00%	99.99%
126.0	0.439	0.039	5329.536	0.00%	99.99%
127.0	0.439	0.039	5329.575	0.00%	99.99%
128.0	0.439	0.038	5329.613	0.00%	99.99%
129.0	0.403	0.036	5329.649	0.00%	99.99%
130.0	0.403	0.034	5329.683	0.00%	99.99%
131.0	0.403	0.034	5329.717	0.00%	99.99%
132.0	0.403	0.033	5329.75	0.00%	100.00%
133.0	0.329	0.030	5329.78	0.00%	100.00%
134.0	0.329	0.026	5329.806	0.00%	100.00%
135.0	0.366	0.027	5329.833	0.00%	100.00%
136.0	0.403	0.030	5329.863	0.00%	100.00%
137.0	0.403	0.030	5329.893	0.00%	100.00%
138.0	0.366	0.028	5329.921	0.00%	100.00%
139.0	0.256	0.023	5329.944	0.00%	100.00%
140.0	0.256	0.018	5329.962	0.00%	100.00%
141.0	0.183	0.015	5329.978	0.00%	100.00%
142.0	0.110	0.010	5329.988	0.00%	100.00%
143.0	0.037	0.005	5329.993	0.00%	100.00%
144.0	0.037	0.002	5329.995	0.00%	100.00%
145.0	0.000	0.001	5329.996	0.00%	100.00%
146.0	0.000	0.000	5329.996	0.00%	100.00%
147.0	0.000	0.000	5329.996	0.00%	100.00%
148.0	0.000	0.000	5329.996	0.00%	100.00%
149.0	0.000	0.000	5329.996	0.00%	100.00%
150.0	0.000	0.000	5329.996	0.00%	100.00%
151.0	0.000	0.000	5329.996	0.00%	100.00%

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

Date:
Humidity(%): 56%

Operator: LSC

Zonal flux distribution table

Appendix Page: 6 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	0.000	0.000	5329.996	0.00%	100.00%
153.0	0.000	0.000	5329.996	0.00%	100.00%
154.0	0.000	0.000	5329.996	0.00%	100.00%
155.0	0.000	0.000	5329.996	0.00%	100.00%
156.0	0.000	0.000	5329.996	0.00%	100.00%
157.0	0.000	0.000	5329.996	0.00%	100.00%
158.0	0.000	0.000	5329.996	0.00%	100.00%
159.0	0.000	0.000	5329.996	0.00%	100.00%
160.0	0.000	0.000	5329.996	0.00%	100.00%
161.0	0.000	0.000	5329.996	0.00%	100.00%
162.0	0.000	0.000	5329.996	0.00%	100.00%
163.0	0.000	0.000	5329.996	0.00%	100.00%
164.0	0.000	0.000	5329.996	0.00%	100.00%
165.0	0.000	0.000	5329.996	0.00%	100.00%
166.0	0.000	0.000	5329.996	0.00%	100.00%
167.0	0.000	0.000	5329.996	0.00%	100.00%
168.0	0.000	0.000	5329.996	0.00%	100.00%
169.0	0.000	0.000	5329.996	0.00%	100.00%
170.0	0.000	0.000	5329.996	0.00%	100.00%
171.0	0.000	0.000	5329.996	0.00%	100.00%
172.0	0.000	0.000	5329.996	0.00%	100.00%
173.0	0.000	0.000	5329.996	0.00%	100.00%
174.0	0.000	0.000	5329.996	0.00%	100.00%
175.0	0.000	0.000	5329.996	0.00%	100.00%
176.0	0.000	0.000	5329.996	0.00%	100.00%
177.0	0.000	0.000	5329.996	0.00%	100.00%
178.0	0.000	0.000	5329.996	0.00%	100.00%
179.0	0.000	0.000	5329.996	0.00%	100.00%
180.0	0.000	0.000	5329.996	0.00%	100.00%

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

Date:
Humidity(%): 56%

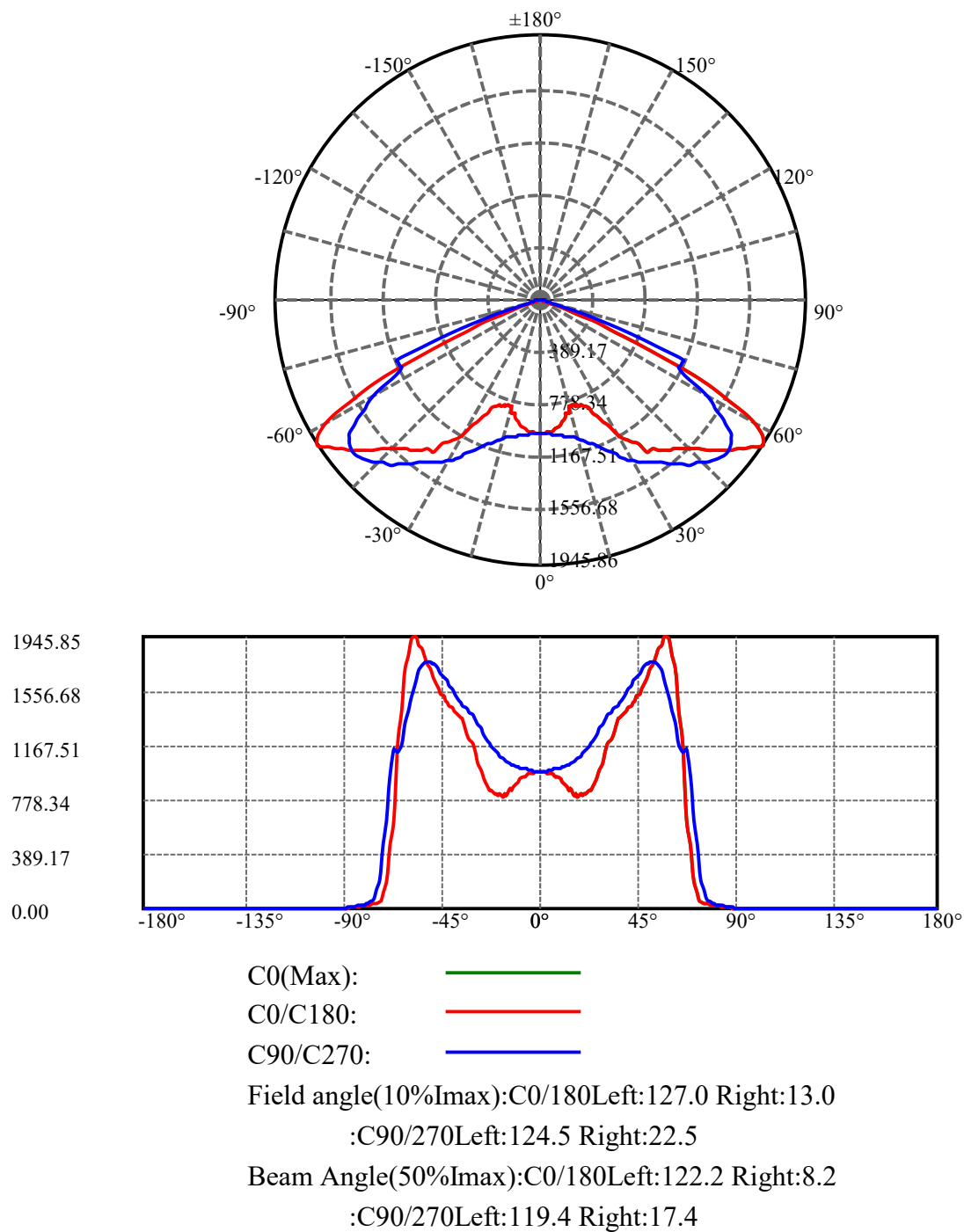
Operator: LSC

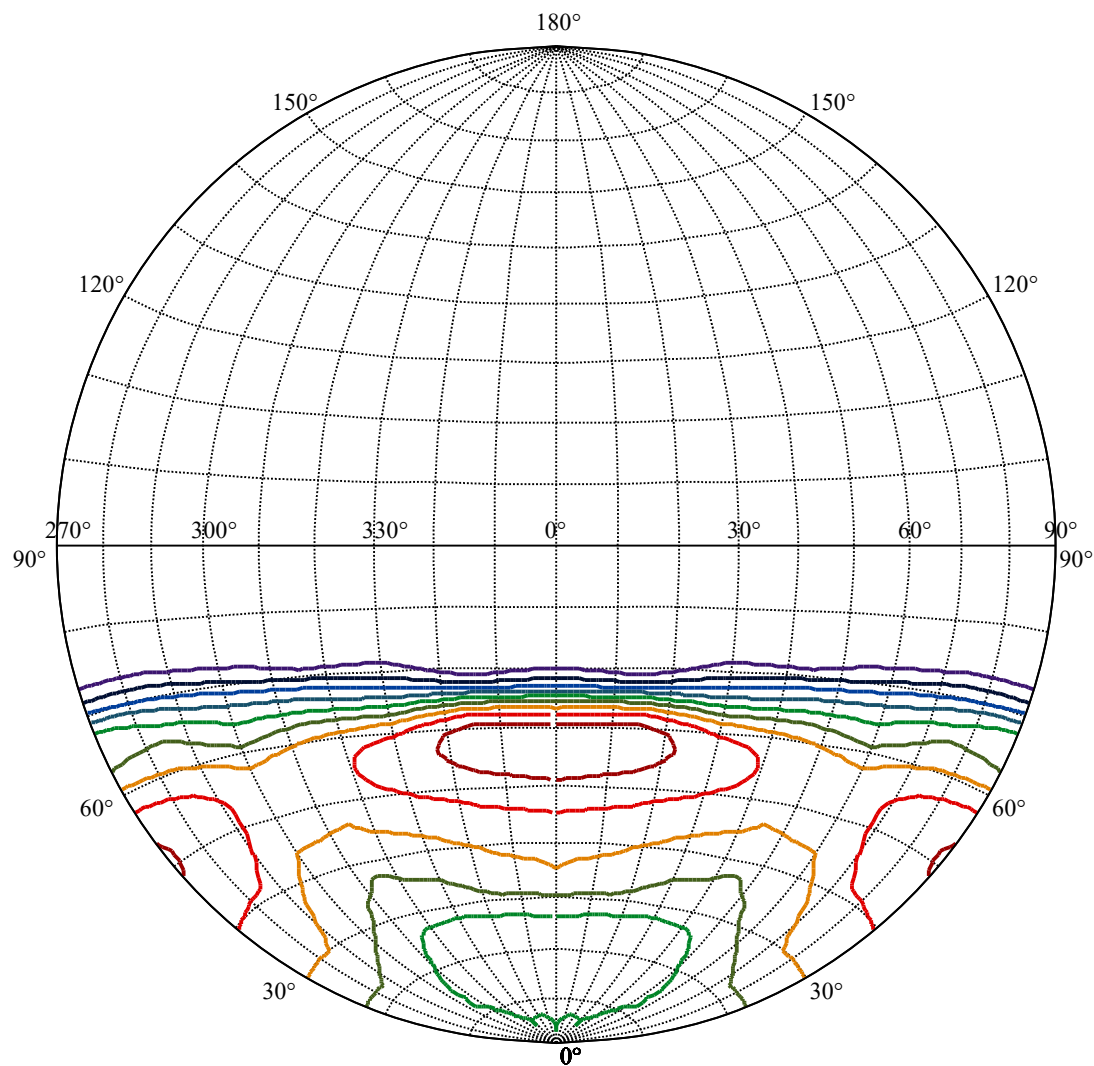
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	846.75	15.89%	15.89%
0-40	1651.56	30.99%	30.99%
0-60	4234.07	79.44%	79.44%
0-90	5323.50	99.88%	99.88%
0-120	5329.29	99.99%	99.99%
0-180	5330.00	100.00%	100.00%
60-90	1089.43	20.44%	20.44%
90-120	5.79	0.11%	0.11%
90-130	6.19	0.12%	0.12%
90-150	6.50	0.12%	0.12%
90-180	6.50	0.12%	0.12%
0-60.22	4264.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	93.57
10-20	267.53
20-30	485.65
30-40	804.81
40-50	1146.38
50-60	1436.13
60-70	957.40
70-80	115.02
80-90	17.01
90-100	3.50
100-110	1.65
110-120	0.64
120-130	0.39
130-140	0.28
140-150	0.03
150-160	0.00
160-170	0.00
170-180	0.00



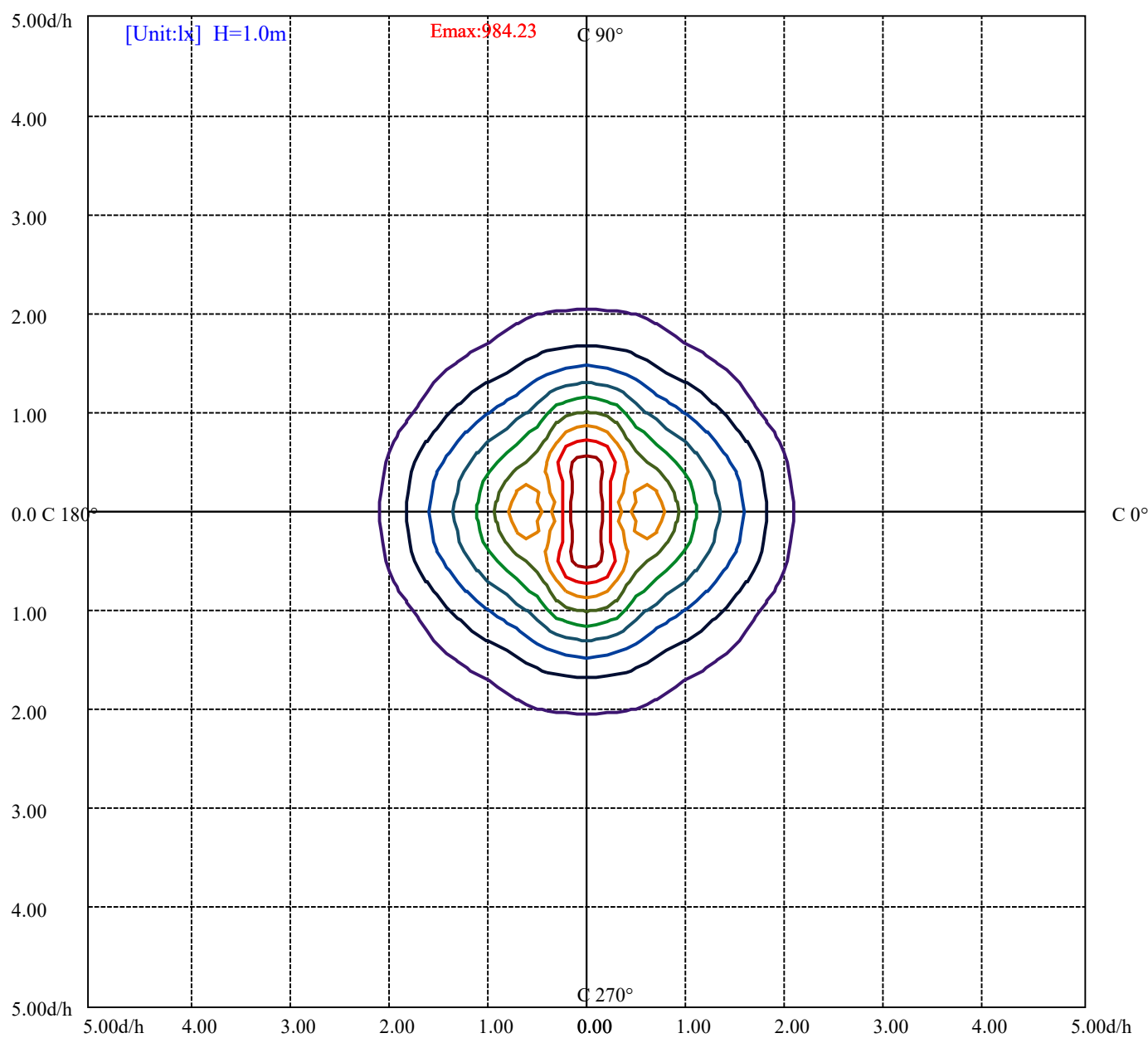


House

[Unit:cd]

Road

Imax:1945.86	
(10%Imax) 194.585	
(20%Imax) 389.171	
(30%Imax) 583.756	
(40%Imax) 778.342	
(50%Imax) 972.927	
(60%Imax) 1167.51	
(70%Imax) 1362.1	
(80%Imax) 1556.68	
(90%Imax) 1751.27	



(10%Emax)	98.4223	
(20%Emax)	196.845	
(30%Emax)	295.267	
(40%Emax)	393.689	
(50%Emax)	492.112	
(60%Emax)	590.534	
(70%Emax)	688.956	
(80%Emax)	787.378	
(90%Emax)	885.801	

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	984.22	984.22	978.42	970.51	971.39	970.51	959.52	945.90	938.42
15.0	984.22	984.22	986.55	989.41	989.41	988.09	979.74	971.39	961.94
30.0	984.22	984.22	981.28	979.52	975.13	972.05	972.71	959.52	959.30
45.0	984.22	984.22	995.34	995.12	992.71	993.59	995.56	990.07	976.88
60.0	984.22	984.22	979.74	979.52	980.84	982.60	983.48	981.28	985.67
75.0	984.22	984.22	1000.62	1000.84	1001.72	1002.16	1003.92	1007.21	1009.85
90.0	984.22	984.22	980.62	982.38	985.45	992.93	997.32	1000.40	1004.79
105.0	984.22	984.22	1000.62	1000.84	1001.72	1002.16	1003.92	1007.21	1009.85
120.0	984.22	984.22	979.74	979.52	980.84	982.60	983.48	981.28	985.67
135.0	984.22	984.22	995.34	995.12	992.71	993.59	995.56	990.07	976.88
150.0	984.22	984.22	981.28	979.52	975.13	972.05	972.71	959.52	959.30
165.0	984.22	984.22	986.55	989.41	989.41	988.09	979.74	971.39	961.94
180.0	984.22	984.22	978.42	970.51	971.39	970.51	959.52	945.90	938.42
195.0	984.22	984.22	986.55	989.41	989.41	988.09	979.74	971.39	961.94
210.0	984.22	984.22	981.28	979.52	975.13	972.05	972.71	959.52	959.30
225.0	984.22	984.22	995.34	995.12	992.71	993.59	995.56	990.07	976.88
240.0	984.22	984.22	979.74	979.52	980.84	982.60	983.48	981.28	985.67
255.0	984.22	984.22	1000.62	1000.84	1001.72	1002.16	1003.92	1007.21	1009.85
270.0	984.22	984.22	980.62	982.38	985.45	992.93	997.32	1000.40	1004.79
285.0	984.22	984.22	1000.62	1000.84	1001.72	1002.16	1003.92	1007.21	1009.85
300.0	984.22	984.22	979.74	979.52	980.84	982.60	983.48	981.28	985.67
315.0	984.22	984.22	995.34	995.12	992.71	993.59	995.56	990.07	976.88
330.0	984.22	984.22	981.28	979.52	975.13	972.05	972.71	959.52	959.30
345.0	984.22	984.22	986.55	989.41	989.41	988.09	979.74	971.39	961.94
360.0	984.22	984.22	978.42	970.51	971.39	970.51	959.52	945.90	938.42
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	927.43	905.02	898.43	876.01	850.95	854.91	812.28	816.23	802.61
15.0	954.47	932.05	915.79	899.96	871.17	838.65	829.20	810.30	797.55
30.0	952.49	937.98	924.80	919.08	908.32	898.21	888.10	865.68	853.37
45.0	975.34	969.85	968.31	952.27	951.61	944.36	935.79	922.38	919.74
60.0	988.09	986.99	985.67	984.57	984.14	992.49	994.47	996.88	1003.92
75.0	1013.59	1017.54	1020.40	1027.21	1034.46	1039.08	1054.90	1067.21	1080.40
90.0	1008.31	1013.15	1017.98	1023.69	1030.73	1038.64	1054.02	1064.57	1079.52
105.0	1013.59	1017.54	1020.40	1027.21	1034.46	1039.08	1054.90	1067.21	1080.40
120.0	988.09	986.99	985.67	984.57	984.14	992.49	994.47	996.88	1003.92
135.0	975.34	969.85	968.31	952.27	951.61	944.36	935.79	922.38	919.74
150.0	952.49	937.98	924.80	919.08	908.32	898.21	888.10	865.68	853.37
165.0	954.47	932.05	915.79	899.96	871.17	838.65	829.20	810.30	797.55
180.0	927.43	905.02	898.43	876.01	850.95	854.91	812.28	816.23	802.61
195.0	954.47	932.05	915.79	899.96	871.17	838.65	829.20	810.30	797.55
210.0	952.49	937.98	924.80	919.08	908.32	898.21	888.10	865.68	853.37
225.0	975.34	969.85	968.31	952.27	951.61	944.36	935.79	922.38	919.74
240.0	988.09	986.99	985.67	984.57	984.14	992.49	994.47	996.88	1003.92
255.0	1013.59	1017.54	1020.40	1027.21	1034.46	1039.08	1054.90	1067.21	1080.40
270.0	1008.31	1013.15	1017.98	1023.69	1030.73	1038.64	1054.02	1064.57	1079.52
285.0	1013.59	1017.54	1020.40	1027.21	1034.46	1039.08	1054.90	1067.21	1080.40
300.0	988.09	986.99	985.67	984.57	984.14	992.49	994.47	996.88	1003.92
315.0	975.34	969.85	968.31	952.27	951.61	944.36	935.79	922.38	919.74
330.0	952.49	937.98	924.80	919.08	908.32	898.21	888.10	865.68	853.37
345.0	954.47	932.05	915.79	899.96	871.17	838.65	829.20	810.30	797.55
360.0	927.43	905.02	898.43	876.01	850.95	854.91	812.28	816.23	802.61

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	822.82	809.20	827.66	826.34	847.88	844.80	871.61	913.37	957.76
15.0	790.96	788.32	801.07	821.06	821.51	839.75	876.89	915.13	922.60
30.0	844.36	841.50	838.43	843.92	847.22	863.04	881.94	892.71	911.83
45.0	923.70	926.78	928.31	932.27	938.42	935.57	944.36	961.72	974.03
60.0	1012.71	1021.06	1033.80	1049.41	1074.90	1094.02	1112.48	1125.67	1136.66
75.0	1094.24	1108.53	1125.23	1145.67	1163.47	1183.25	1207.86	1228.74	1258.85
90.0	1092.70	1107.65	1124.35	1141.49	1159.51	1180.17	1201.27	1236.43	1259.73
105.0	1094.24	1108.53	1125.23	1145.67	1163.47	1183.25	1207.86	1228.74	1258.85
120.0	1012.71	1021.06	1033.80	1049.41	1074.90	1094.02	1112.48	1125.67	1136.66
135.0	923.70	926.78	928.31	932.27	938.42	935.57	944.36	961.72	974.03
150.0	844.36	841.50	838.43	843.92	847.22	863.04	881.94	892.71	911.83
165.0	790.96	788.32	801.07	821.06	821.51	839.75	876.89	915.13	922.60
180.0	822.82	809.20	827.66	826.34	847.88	844.80	871.61	913.37	957.76
195.0	790.96	788.32	801.07	821.06	821.51	839.75	876.89	915.13	922.60
210.0	844.36	841.50	838.43	843.92	847.22	863.04	881.94	892.71	911.83
225.0	923.70	926.78	928.31	932.27	938.42	935.57	944.36	961.72	974.03
240.0	1012.71	1021.06	1033.80	1049.41	1074.90	1094.02	1112.48	1125.67	1136.66
255.0	1094.24	1108.53	1125.23	1145.67	1163.47	1183.25	1207.86	1228.74	1258.85
270.0	1092.70	1107.65	1124.35	1141.49	1159.51	1180.17	1201.27	1236.43	1259.73
285.0	1094.24	1108.53	1125.23	1145.67	1163.47	1183.25	1207.86	1228.74	1258.85
300.0	1012.71	1021.06	1033.80	1049.41	1074.90	1094.02	1112.48	1125.67	1136.66
315.0	923.70	926.78	928.31	932.27	938.42	935.57	944.36	961.72	974.03
330.0	844.36	841.50	838.43	843.92	847.22	863.04	881.94	892.71	911.83
345.0	790.96	788.32	801.07	821.06	821.51	839.75	876.89	915.13	922.60
360.0	822.82	809.20	827.66	826.34	847.88	844.80	871.61	913.37	957.76

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	996.88	1043.91	1097.98	1151.16	1185.89	1209.18	1235.11	1274.67	1358.63
15.0	970.51	1014.90	1075.34	1119.73	1166.11	1215.34	1247.42	1284.12	1301.49
30.0	944.58	982.60	1008.09	1032.05	1073.58	1089.85	1112.26	1146.77	1176.88
45.0	984.36	1025.01	1039.96	1059.08	1077.76	1086.55	1091.82	1105.45	1128.96
60.0	1152.70	1176.88	1192.26	1210.28	1221.05	1233.58	1238.41	1252.26	1261.71
75.0	1281.27	1306.32	1337.31	1360.16	1380.16	1400.16	1410.27	1421.70	1433.79
90.0	1295.33	1317.31	1339.29	1363.90	1385.88	1403.02	1421.48	1439.94	1454.01
105.0	1281.27	1306.32	1337.31	1360.16	1380.16	1400.16	1410.27	1421.70	1433.79
120.0	1152.70	1176.88	1192.26	1210.28	1221.05	1233.58	1238.41	1252.26	1261.71
135.0	984.36	1025.01	1039.96	1059.08	1077.76	1086.55	1091.82	1105.45	1128.96
150.0	944.58	982.60	1008.09	1032.05	1073.58	1089.85	1112.26	1146.77	1176.88
165.0	970.51	1014.90	1075.34	1119.73	1166.11	1215.34	1247.42	1284.12	1301.49
180.0	996.88	1043.91	1097.98	1151.16	1185.89	1209.18	1235.11	1274.67	1358.63
195.0	970.51	1014.90	1075.34	1119.73	1166.11	1215.34	1247.42	1284.12	1301.49
210.0	944.58	982.60	1008.09	1032.05	1073.58	1089.85	1112.26	1146.77	1176.88
225.0	984.36	1025.01	1039.96	1059.08	1077.76	1086.55	1091.82	1105.45	1128.96
240.0	1152.70	1176.88	1192.26	1210.28	1221.05	1233.58	1238.41	1252.26	1261.71
255.0	1281.27	1306.32	1337.31	1360.16	1380.16	1400.16	1410.27	1421.70	1433.79
270.0	1295.33	1317.31	1339.29	1363.90	1385.88	1403.02	1421.48	1439.94	1454.01
285.0	1281.27	1306.32	1337.31	1360.16	1380.16	1400.16	1410.27	1421.70	1433.79
300.0	1152.70	1176.88	1192.26	1210.28	1221.05	1233.58	1238.41	1252.26	1261.71
315.0	984.36	1025.01	1039.96	1059.08	1077.76	1086.55	1091.82	1105.45	1128.96
330.0	944.58	982.60	1008.09	1032.05	1073.58	1089.85	1112.26	1146.77	1176.88
345.0	970.51	1014.90	1075.34	1119.73	1166.11	1215.34	1247.42	1284.12	1301.49
360.0	996.88	1043.91	1097.98	1151.16	1185.89	1209.18	1235.11	1274.67	1358.63

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	1366.54	1372.25	1400.38	1416.65	1441.26	1454.45	1469.83	1492.25	1518.62
15.0	1315.11	1335.11	1350.27	1366.10	1383.68	1407.41	1426.98	1451.15	1475.54
30.0	1196.43	1223.25	1252.26	1276.21	1303.90	1326.98	1346.10	1370.71	1392.47
45.0	1146.99	1153.58	1183.91	1193.14	1217.97	1230.94	1261.49	1296.65	1326.98
60.0	1258.85	1260.61	1264.34	1283.90	1298.85	1308.30	1327.42	1344.78	1358.63
75.0	1451.59	1466.31	1486.53	1504.11	1522.58	1541.26	1566.31	1584.77	1606.31
90.0	1471.15	1488.29	1520.38	1542.79	1566.09	1589.83	1626.75	1645.21	1658.83
105.0	1451.59	1466.31	1486.53	1504.11	1522.58	1541.26	1566.31	1584.77	1606.31
120.0	1258.85	1260.61	1264.34	1283.90	1298.85	1308.30	1327.42	1344.78	1358.63
135.0	1146.99	1153.58	1183.91	1193.14	1217.97	1230.94	1261.49	1296.65	1326.98
150.0	1196.43	1223.25	1252.26	1276.21	1303.90	1326.98	1346.10	1370.71	1392.47
165.0	1315.11	1335.11	1350.27	1366.10	1383.68	1407.41	1426.98	1451.15	1475.54
180.0	1366.54	1372.25	1400.38	1416.65	1441.26	1454.45	1469.83	1492.25	1518.62
195.0	1315.11	1335.11	1350.27	1366.10	1383.68	1407.41	1426.98	1451.15	1475.54
210.0	1196.43	1223.25	1252.26	1276.21	1303.90	1326.98	1346.10	1370.71	1392.47
225.0	1146.99	1153.58	1183.91	1193.14	1217.97	1230.94	1261.49	1296.65	1326.98
240.0	1258.85	1260.61	1264.34	1283.90	1298.85	1308.30	1327.42	1344.78	1358.63
255.0	1451.59	1466.31	1486.53	1504.11	1522.58	1541.26	1566.31	1584.77	1606.31
270.0	1471.15	1488.29	1520.38	1542.79	1566.09	1589.83	1626.75	1645.21	1658.83
285.0	1451.59	1466.31	1486.53	1504.11	1522.58	1541.26	1566.31	1584.77	1606.31
300.0	1258.85	1260.61	1264.34	1283.90	1298.85	1308.30	1327.42	1344.78	1358.63
315.0	1146.99	1153.58	1183.91	1193.14	1217.97	1230.94	1261.49	1296.65	1326.98
330.0	1196.43	1223.25	1252.26	1276.21	1303.90	1326.98	1346.10	1370.71	1392.47
345.0	1315.11	1335.11	1350.27	1366.10	1383.68	1407.41	1426.98	1451.15	1475.54
360.0	1366.54	1372.25	1400.38	1416.65	1441.26	1454.45	1469.83	1492.25	1518.62

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1539.72	1573.12	1598.62	1643.89	1675.98	1710.70	1747.62	1784.54	1822.34
15.0	1502.14	1533.78	1564.77	1588.51	1624.33	1668.06	1698.17	1727.18	1755.09
30.0	1419.50	1448.73	1474.01	1498.40	1536.64	1557.74	1588.29	1613.56	1634.22
45.0	1346.54	1357.97	1365.66	1391.15	1406.32	1430.27	1454.67	1471.37	1482.58
60.0	1376.21	1383.68	1390.93	1404.34	1418.84	1427.41	1430.93	1431.37	1439.50
75.0	1623.45	1639.93	1650.26	1657.73	1667.19	1668.72	1665.87	1658.39	1651.14
90.0	1680.37	1705.86	1722.57	1747.18	1757.73	1764.76	1766.08	1763.44	1753.77
105.0	1623.45	1639.93	1650.26	1657.73	1667.19	1668.72	1665.87	1658.39	1651.14
120.0	1376.21	1383.68	1390.93	1404.34	1418.84	1427.41	1430.93	1431.37	1439.50
135.0	1346.54	1357.97	1365.66	1391.15	1406.32	1430.27	1454.67	1471.37	1482.58
150.0	1419.50	1448.73	1474.01	1498.40	1536.64	1557.74	1588.29	1613.56	1634.22
165.0	1502.14	1533.78	1564.77	1588.51	1624.33	1668.06	1698.17	1727.18	1755.09
180.0	1539.72	1573.12	1598.62	1643.89	1675.98	1710.70	1747.62	1784.54	1822.34
195.0	1502.14	1533.78	1564.77	1588.51	1624.33	1668.06	1698.17	1727.18	1755.09
210.0	1419.50	1448.73	1474.01	1498.40	1536.64	1557.74	1588.29	1613.56	1634.22
225.0	1346.54	1357.97	1365.66	1391.15	1406.32	1430.27	1454.67	1471.37	1482.58
240.0	1376.21	1383.68	1390.93	1404.34	1418.84	1427.41	1430.93	1431.37	1439.50
255.0	1623.45	1639.93	1650.26	1657.73	1667.19	1668.72	1665.87	1658.39	1651.14
270.0	1680.37	1705.86	1722.57	1747.18	1757.73	1764.76	1766.08	1763.44	1753.77
285.0	1623.45	1639.93	1650.26	1657.73	1667.19	1668.72	1665.87	1658.39	1651.14
300.0	1376.21	1383.68	1390.93	1404.34	1418.84	1427.41	1430.93	1431.37	1439.50
315.0	1346.54	1357.97	1365.66	1391.15	1406.32	1430.27	1454.67	1471.37	1482.58
330.0	1419.50	1448.73	1474.01	1498.40	1536.64	1557.74	1588.29	1613.56	1634.22
345.0	1502.14	1533.78	1564.77	1588.51	1624.33	1668.06	1698.17	1727.18	1755.09
360.0	1539.72	1573.12	1598.62	1643.89	1675.98	1710.70	1747.62	1784.54	1822.34

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	1857.51	1889.59	1927.83	1945.86	1928.71	1889.15	1818.39	1714.22	1577.52
15.0	1785.20	1811.36	1832.67	1851.79	1856.63	1858.17	1810.04	1744.76	1644.33
30.0	1649.82	1655.10	1656.42	1648.29	1623.89	1585.21	1524.33	1445.22	1309.40
45.0	1490.93	1492.91	1488.73	1481.48	1471.81	1442.36	1399.94	1322.14	1250.94
60.0	1439.28	1428.51	1409.61	1383.90	1349.18	1298.85	1248.96	1167.21	1107.21
75.0	1634.66	1598.84	1566.97	1532.47	1492.47	1445.66	1372.91	1323.46	1281.49
90.0	1736.19	1709.38	1650.48	1602.13	1522.58	1470.71	1410.05	1332.25	1242.15
105.0	1634.66	1598.84	1566.97	1532.47	1492.47	1445.66	1372.91	1323.46	1281.49
120.0	1439.28	1428.51	1409.61	1383.90	1349.18	1298.85	1248.96	1167.21	1107.21
135.0	1490.93	1492.91	1488.73	1481.48	1471.81	1442.36	1399.94	1322.14	1250.94
150.0	1649.82	1655.10	1656.42	1648.29	1623.89	1585.21	1524.33	1445.22	1309.40
165.0	1785.20	1811.36	1832.67	1851.79	1856.63	1858.17	1810.04	1744.76	1644.33
180.0	1857.51	1889.59	1927.83	1945.86	1928.71	1889.15	1818.39	1714.22	1577.52
195.0	1785.20	1811.36	1832.67	1851.79	1856.63	1858.17	1810.04	1744.76	1644.33
210.0	1649.82	1655.10	1656.42	1648.29	1623.89	1585.21	1524.33	1445.22	1309.40
225.0	1490.93	1492.91	1488.73	1481.48	1471.81	1442.36	1399.94	1322.14	1250.94
240.0	1439.28	1428.51	1409.61	1383.90	1349.18	1298.85	1248.96	1167.21	1107.21
255.0	1634.66	1598.84	1566.97	1532.47	1492.47	1445.66	1372.91	1323.46	1281.49
270.0	1736.19	1709.38	1650.48	1602.13	1522.58	1470.71	1410.05	1332.25	1242.15
285.0	1634.66	1598.84	1566.97	1532.47	1492.47	1445.66	1372.91	1323.46	1281.49
300.0	1439.28	1428.51	1409.61	1383.90	1349.18	1298.85	1248.96	1167.21	1107.21
315.0	1490.93	1492.91	1488.73	1481.48	1471.81	1442.36	1399.94	1322.14	1250.94
330.0	1649.82	1655.10	1656.42	1648.29	1623.89	1585.21	1524.33	1445.22	1309.40
345.0	1785.20	1811.36	1832.67	1851.79	1856.63	1858.17	1810.04	1744.76	1644.33
360.0	1857.51	1889.59	1927.83	1945.86	1928.71	1889.15	1818.39	1714.22	1577.52
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1417.52	1235.55	1042.16	763.49	590.75	442.62	304.16	191.20	111.64
15.0	1453.57	1263.47	1041.50	805.02	523.71	332.73	187.46	81.54	62.20
30.0	1162.37	1032.71	871.39	750.52	637.56	532.29	397.35	313.61	219.11
45.0	1166.33	1050.07	948.75	844.14	737.77	626.57	474.71	342.84	208.56
60.0	1041.50	986.11	933.37	868.54	779.97	677.12	577.12	430.53	339.33
75.0	1228.30	1178.41	1105.45	1012.71	878.43	808.32	736.02	560.64	455.37
90.0	1167.86	1129.62	1129.62	1138.41	1124.79	937.10	792.94	626.35	464.16
105.0	1228.30	1178.41	1105.45	1012.71	878.43	808.32	736.02	560.64	455.37
120.0	1041.50	986.11	933.37	868.54	779.97	677.12	577.12	430.53	339.33
135.0	1166.33	1050.07	948.75	844.14	737.77	626.57	474.71	342.84	208.56
150.0	1162.37	1032.71	871.39	750.52	637.56	532.29	397.35	313.61	219.11
165.0	1453.57	1263.47	1041.50	805.02	523.71	332.73	187.46	81.54	62.20
180.0	1417.52	1235.55	1042.16	763.49	590.75	442.62	304.16	191.20	111.64
195.0	1453.57	1263.47	1041.50	805.02	523.71	332.73	187.46	81.54	62.20
210.0	1162.37	1032.71	871.39	750.52	637.56	532.29	397.35	313.61	219.11
225.0	1166.33	1050.07	948.75	844.14	737.77	626.57	474.71	342.84	208.56
240.0	1041.50	986.11	933.37	868.54	779.97	677.12	577.12	430.53	339.33
255.0	1228.30	1178.41	1105.45	1012.71	878.43	808.32	736.02	560.64	455.37
270.0	1167.86	1129.62	1129.62	1138.41	1124.79	937.10	792.94	626.35	464.16
285.0	1228.30	1178.41	1105.45	1012.71	878.43	808.32	736.02	560.64	455.37
300.0	1041.50	986.11	933.37	868.54	779.97	677.12	577.12	430.53	339.33
315.0	1166.33	1050.07	948.75	844.14	737.77	626.57	474.71	342.84	208.56
330.0	1162.37	1032.71	871.39	750.52	637.56	532.29	397.35	313.61	219.11
345.0	1453.57	1263.47	1041.50	805.02	523.71	332.73	187.46	81.54	62.20
360.0	1417.52	1235.55	1042.16	763.49	590.75	442.62	304.16	191.20	111.64

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	64.61	47.03	41.76	38.24	34.72	29.45	26.37	23.74	20.22
15.0	55.38	49.67	45.27	41.32	37.58	31.65	29.67	27.25	23.30
30.0	177.14	117.36	79.56	56.04	45.93	41.98	37.58	34.29	30.33
45.0	138.46	94.06	67.03	54.06	47.03	41.54	38.24	32.97	29.89
60.0	255.37	147.25	101.31	72.96	55.82	46.15	40.44	37.14	32.09
75.0	349.00	217.35	154.50	110.55	80.44	60.22	48.79	42.86	36.48
90.0	323.50	211.42	134.94	89.23	61.10	43.52	38.68	32.09	28.13
105.0	349.00	217.35	154.50	110.55	80.44	60.22	48.79	42.86	36.48
120.0	255.37	147.25	101.31	72.96	55.82	46.15	40.44	37.14	32.09
135.0	138.46	94.06	67.03	54.06	47.03	41.54	38.24	32.97	29.89
150.0	177.14	117.36	79.56	56.04	45.93	41.98	37.58	34.29	30.33
165.0	55.38	49.67	45.27	41.32	37.58	31.65	29.67	27.25	23.30
180.0	64.61	47.03	41.76	38.24	34.72	29.45	26.37	23.74	20.22
195.0	55.38	49.67	45.27	41.32	37.58	31.65	29.67	27.25	23.30
210.0	177.14	117.36	79.56	56.04	45.93	41.98	37.58	34.29	30.33
225.0	138.46	94.06	67.03	54.06	47.03	41.54	38.24	32.97	29.89
240.0	255.37	147.25	101.31	72.96	55.82	46.15	40.44	37.14	32.09
255.0	349.00	217.35	154.50	110.55	80.44	60.22	48.79	42.86	36.48
270.0	323.50	211.42	134.94	89.23	61.10	43.52	38.68	32.09	28.13
285.0	349.00	217.35	154.50	110.55	80.44	60.22	48.79	42.86	36.48
300.0	255.37	147.25	101.31	72.96	55.82	46.15	40.44	37.14	32.09
315.0	138.46	94.06	67.03	54.06	47.03	41.54	38.24	32.97	29.89
330.0	177.14	117.36	79.56	56.04	45.93	41.98	37.58	34.29	30.33
345.0	55.38	49.67	45.27	41.32	37.58	31.65	29.67	27.25	23.30
360.0	64.61	47.03	41.76	38.24	34.72	29.45	26.37	23.74	20.22
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.46	15.82	14.07	11.43	9.23	7.91	5.27	3.96	3.08
15.0	21.32	18.90	15.82	13.63	11.65	9.67	7.91	5.50	3.96
30.0	25.71	23.30	20.44	16.92	15.16	12.53	10.55	9.01	7.25
45.0	26.81	22.64	20.22	18.24	16.04	13.85	12.09	10.33	8.79
60.0	28.13	25.05	22.20	18.68	17.14	14.73	12.75	11.43	9.89
75.0	32.75	29.45	23.95	20.88	18.02	15.60	12.75	10.55	9.01
90.0	23.30	20.66	18.46	15.38	12.75	10.11	6.59	4.40	2.64
105.0	32.75	29.45	23.95	20.88	18.02	15.60	12.75	10.55	9.01
120.0	28.13	25.05	22.20	18.68	17.14	14.73	12.75	11.43	9.89
135.0	26.81	22.64	20.22	18.24	16.04	13.85	12.09	10.33	8.79
150.0	25.71	23.30	20.44	16.92	15.16	12.53	10.55	9.01	7.25
165.0	21.32	18.90	15.82	13.63	11.65	9.67	7.91	5.50	3.96
180.0	18.46	15.82	14.07	11.43	9.23	7.91	5.27	3.96	3.08
195.0	21.32	18.90	15.82	13.63	11.65	9.67	7.91	5.50	3.96
210.0	25.71	23.30	20.44	16.92	15.16	12.53	10.55	9.01	7.25
225.0	26.81	22.64	20.22	18.24	16.04	13.85	12.09	10.33	8.79
240.0	28.13	25.05	22.20	18.68	17.14	14.73	12.75	11.43	9.89
255.0	32.75	29.45	23.95	20.88	18.02	15.60	12.75	10.55	9.01
270.0	23.30	20.66	18.46	15.38	12.75	10.11	6.59	4.40	2.64
285.0	32.75	29.45	23.95	20.88	18.02	15.60	12.75	10.55	9.01
300.0	28.13	25.05	22.20	18.68	17.14	14.73	12.75	11.43	9.89
315.0	26.81	22.64	20.22	18.24	16.04	13.85	12.09	10.33	8.79
330.0	25.71	23.30	20.44	16.92	15.16	12.53	10.55	9.01	7.25
345.0	21.32	18.90	15.82	13.63	11.65	9.67	7.91	5.50	3.96
360.0	18.46	15.82	14.07	11.43	9.23	7.91	5.27	3.96	3.08

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	2.20	1.76	0.88	0.44	0.44	0.44	0.44	0.44	0.44
15.0	2.20	1.10	0.66	0.66	0.44	0.44	0.44	0.44	0.44
30.0	5.71	4.40	3.52	2.86	2.42	1.98	1.76	1.76	1.32
45.0	7.03	6.15	4.84	4.62	4.40	4.18	3.96	3.74	3.52
60.0	8.57	7.91	7.47	6.81	6.15	5.93	5.93	5.27	5.27
75.0	7.25	6.59	5.50	4.84	4.84	4.84	4.84	4.62	4.40
90.0	1.76	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	7.25	6.59	5.50	4.84	4.84	4.84	4.84	4.62	4.40
120.0	8.57	7.91	7.47	6.81	6.15	5.93	5.93	5.27	5.27
135.0	7.03	6.15	4.84	4.62	4.40	4.18	3.96	3.74	3.52
150.0	5.71	4.40	3.52	2.86	2.42	1.98	1.76	1.76	1.32
165.0	2.20	1.10	0.66	0.66	0.44	0.44	0.44	0.44	0.44
180.0	2.20	1.76	0.88	0.44	0.44	0.44	0.44	0.44	0.44
195.0	2.20	1.10	0.66	0.66	0.44	0.44	0.44	0.44	0.44
210.0	5.71	4.40	3.52	2.86	2.42	1.98	1.76	1.76	1.32
225.0	7.03	6.15	4.84	4.62	4.40	4.18	3.96	3.74	3.52
240.0	8.57	7.91	7.47	6.81	6.15	5.93	5.93	5.27	5.27
255.0	7.25	6.59	5.50	4.84	4.84	4.84	4.84	4.62	4.40
270.0	1.76	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	7.25	6.59	5.50	4.84	4.84	4.84	4.84	4.62	4.40
300.0	8.57	7.91	7.47	6.81	6.15	5.93	5.93	5.27	5.27
315.0	7.03	6.15	4.84	4.62	4.40	4.18	3.96	3.74	3.52
330.0	5.71	4.40	3.52	2.86	2.42	1.98	1.76	1.76	1.32
345.0	2.20	1.10	0.66	0.66	0.44	0.44	0.44	0.44	0.44
360.0	2.20	1.76	0.88	0.44	0.44	0.44	0.44	0.44	0.44
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.44
15.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
30.0	1.32	1.32	1.32	1.32	1.32	1.10	0.88	0.88	0.88
45.0	3.30	3.08	2.64	2.42	2.20	1.76	1.76	1.76	1.54
60.0	4.84	4.84	4.18	3.96	3.52	3.08	2.86	2.42	2.42
75.0	4.40	4.40	3.96	3.52	3.52	3.30	2.86	2.64	2.42
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	4.40	4.40	3.96	3.52	3.52	3.30	2.86	2.64	2.42
120.0	4.84	4.84	4.18	3.96	3.52	3.08	2.86	2.42	2.42
135.0	3.30	3.08	2.64	2.42	2.20	1.76	1.76	1.76	1.54
150.0	1.32	1.32	1.32	1.32	1.32	1.10	0.88	0.88	0.88
165.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
180.0	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.44
195.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
210.0	1.32	1.32	1.32	1.32	1.32	1.10	0.88	0.88	0.88
225.0	3.30	3.08	2.64	2.42	2.20	1.76	1.76	1.76	1.54
240.0	4.84	4.84	4.18	3.96	3.52	3.08	2.86	2.42	2.42
255.0	4.40	4.40	3.96	3.52	3.52	3.30	2.86	2.64	2.42
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	4.40	4.40	3.96	3.52	3.52	3.30	2.86	2.64	2.42
300.0	4.84	4.84	4.18	3.96	3.52	3.08	2.86	2.42	2.42
315.0	3.30	3.08	2.64	2.42	2.20	1.76	1.76	1.76	1.54
330.0	1.32	1.32	1.32	1.32	1.32	1.10	0.88	0.88	0.88
345.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
360.0	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.44

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
15.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
30.0	0.88	0.88	0.88	0.88	0.66	0.44	0.44	0.44	0.44
45.0	1.54	1.10	1.10	0.88	0.88	0.44	0.44	0.44	0.44
60.0	1.98	1.54	1.54	1.32	1.32	1.32	1.10	0.88	0.88
75.0	2.20	1.98	1.76	1.54	1.54	1.32	1.10	1.10	1.10
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	2.20	1.98	1.76	1.54	1.54	1.32	1.10	1.10	1.10
120.0	1.98	1.54	1.54	1.32	1.32	1.32	1.10	0.88	0.88
135.0	1.54	1.10	1.10	0.88	0.88	0.44	0.44	0.44	0.44
150.0	0.88	0.88	0.88	0.88	0.66	0.44	0.44	0.44	0.44
165.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
180.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
195.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
210.0	0.88	0.88	0.88	0.88	0.66	0.44	0.44	0.44	0.44
225.0	1.54	1.10	1.10	0.88	0.88	0.44	0.44	0.44	0.44
240.0	1.98	1.54	1.54	1.32	1.32	1.32	1.10	0.88	0.88
255.0	2.20	1.98	1.76	1.54	1.54	1.32	1.10	1.10	1.10
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	2.20	1.98	1.76	1.54	1.54	1.32	1.10	1.10	1.10
300.0	1.98	1.54	1.54	1.32	1.32	1.32	1.10	0.88	0.88
315.0	1.54	1.10	1.10	0.88	0.88	0.44	0.44	0.44	0.44
330.0	0.88	0.88	0.88	0.88	0.66	0.44	0.44	0.44	0.44
345.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
360.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.44	0.44	0.44	0.44	0.88	0.88	0.88	0.88	0.88
15.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
30.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
45.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
60.0	0.88	0.88	0.66	0.66	0.44	0.44	0.44	0.44	0.44
75.0	0.66	0.66	0.66	0.66	0.44	0.44	0.44	0.44	0.44
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.66	0.66	0.66	0.66	0.44	0.44	0.44	0.44	0.44
120.0	0.88	0.88	0.66	0.66	0.44	0.44	0.44	0.44	0.44
135.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
150.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
165.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
180.0	0.44	0.44	0.44	0.44	0.88	0.88	0.88	0.88	0.88
195.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
210.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
225.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
240.0	0.88	0.88	0.66	0.66	0.44	0.44	0.44	0.44	0.44
255.0	0.66	0.66	0.66	0.66	0.44	0.44	0.44	0.44	0.44
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.66	0.66	0.66	0.66	0.44	0.44	0.44	0.44	0.44
300.0	0.88	0.88	0.66	0.66	0.44	0.44	0.44	0.44	0.44
315.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
330.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
345.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
360.0	0.44	0.44	0.44	0.44	0.88	0.88	0.88	0.88	0.88

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.44	0.44
15.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
30.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
45.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
60.0	0.44	0.44	0.44	0.22	0.22	0.44	0.44	0.22	0.22
75.0	0.44	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.22
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.44	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.22
120.0	0.44	0.44	0.44	0.22	0.22	0.44	0.44	0.22	0.22
135.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
150.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
165.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
180.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.44	0.44
195.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
210.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
225.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
240.0	0.44	0.44	0.44	0.22	0.22	0.44	0.44	0.22	0.22
255.0	0.44	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.22
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.44	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.22
300.0	0.44	0.44	0.44	0.22	0.22	0.44	0.44	0.22	0.22
315.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
330.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
345.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
360.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.44	0.44
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.00
15.0	0.44	0.66	0.66	0.44	0.22	0.22	0.22	0.00	0.00
30.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.22
45.0	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.00	0.00
60.0	0.44	0.44	0.44	0.44	0.22	0.22	0.00	0.00	0.00
75.0	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
120.0	0.44	0.44	0.44	0.44	0.22	0.22	0.00	0.00	0.00
135.0	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.00	0.00
150.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.22
165.0	0.44	0.66	0.66	0.44	0.22	0.22	0.22	0.00	0.00
180.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.00
195.0	0.44	0.66	0.66	0.44	0.22	0.22	0.22	0.00	0.00
210.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.22
225.0	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.00	0.00
240.0	0.44	0.44	0.44	0.44	0.22	0.22	0.00	0.00	0.00
255.0	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.00	0.00
300.0	0.44	0.44	0.44	0.44	0.22	0.22	0.00	0.00	0.00
315.0	0.44	0.44	0.44	0.44	0.22	0.22	0.22	0.00	0.00
330.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.22
345.0	0.44	0.66	0.66	0.44	0.22	0.22	0.22	0.00	0.00
360.0	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.00

Intensity data(cd)

Appendix Page: 19 Total:21

C/ γ (°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210.0	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ γ (°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Intensity data(cd)

Appendix Page: 20 Total:21

C/ γ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/ γ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
210.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
240.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Intensity data(cd)

Appendix Page: 21 Total:21

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