

Report No	:	Voltage	: V
Test No	:	Current	: A
LumCAT	:	Power	: 58.000 W
Luminaire	: 0003010030 58W 4000K 8200lm PF		:
LampCAT	:	Ballast type	:
Lamp flux	: 8200.0 lm	Width	: 348 mm
Number of Lamps	: 1	Length	: 348 mm
Phm Type	: C	Height	: 0 mm

Photometric Results

Lumens(lm)	: 8200.00	Central intensity(cd)	: 1514.196
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 2993.633
Luminous Efficacy(lm/W)	: 141.38	Angle of maximum intensity	: C=0.0 γ =57.0
Beam Angle(50%Imax)	: [C0/180]Total=130.4 [C90/270]Total=136.8		
Field angle(10%Imax)	: [C0/180]Total=140.0 [C90/270]Total=147.0		
Maximum s/h(1/2)	: C0_180=2.22 C90_270=2.31		
Maximum s/h(1/4)	: C0_180=2.39 C90_270=2.21		
Up flux rate of lamp(%)	: 0.12%		
Down flux rate of lamp(%)	: 99.88%		
Up flux rate of LUM(%)	: 0.12%		
Down flux rate of LUM(%)	: 99.88%		
CIE Type	: Direct lighting		
Output flux ratio in π solid angle :	: 79.438%		

Zonal flux distribution table

Appendix Page: 2 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1514.196	0.000	0	0.00%	0.00%
1.0	1514.196	1.449	1.449	0.02%	0.02%
2.0	1518.737	4.353	5.802	0.05%	0.07%
3.0	1518.174	7.263	13.065	0.09%	0.16%
4.0	1517.497	10.161	23.227	0.12%	0.28%
5.0	1518.004	13.059	36.285	0.16%	0.44%
6.0	1516.370	15.946	52.232	0.19%	0.64%
7.0	1508.368	18.774	71.006	0.23%	0.87%
8.0	1503.917	21.558	92.565	0.26%	1.13%
9.0	1500.479	24.349	116.914	0.30%	1.43%
10.0	1488.082	27.045	143.959	0.33%	1.76%
11.0	1480.305	29.660	173.619	0.36%	2.12%
12.0	1469.993	32.251	205.87	0.39%	2.51%
13.0	1459.116	34.761	240.631	0.42%	2.93%
14.0	1451.171	37.251	277.883	0.45%	3.39%
15.0	1445.029	39.760	317.643	0.48%	3.87%
16.0	1436.633	42.224	359.868	0.51%	4.39%
17.0	1434.886	44.717	404.585	0.55%	4.93%
18.0	1441.986	47.433	452.018	0.58%	5.51%
19.0	1447.339	50.268	502.287	0.61%	6.13%
20.0	1462.273	53.254	555.541	0.65%	6.77%
21.0	1481.094	56.519	612.059	0.69%	7.46%
22.0	1499.803	59.902	671.962	0.73%	8.19%
23.0	1520.033	63.364	735.326	0.77%	8.97%
24.0	1553.844	67.206	802.532	0.82%	9.79%
25.0	1589.459	71.472	874.004	0.87%	10.66%
26.0	1618.649	75.728	949.731	0.92%	11.58%
27.0	1661.420	80.248	1029.979	0.98%	12.56%
28.0	1714.447	85.470	1115.449	1.04%	13.60%
29.0	1761.952	90.952	1206.401	1.11%	14.71%
30.0	1804.835	96.303	1302.704	1.17%	15.89%
31.0	1847.325	101.634	1404.338	1.24%	17.13%
32.0	1879.896	106.780	1511.119	1.30%	18.43%
33.0	1904.747	111.497	1622.616	1.36%	19.79%
34.0	1940.418	116.366	1738.982	1.42%	21.21%
35.0	1976.708	121.651	1860.633	1.48%	22.69%
36.0	1996.882	126.520	1987.153	1.54%	24.23%
37.0	2017.732	130.934	2118.087	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	2050.698	135.799	2253.886	1.66%	27.49%
39.0	2077.747	140.915	2394.801	1.72%	29.20%
40.0	2110.431	146.069	2540.87	1.78%	30.99%
41.0	2137.706	151.274	2692.144	1.84%	32.83%
42.0	2173.489	156.633	2848.777	1.91%	34.74%
43.0	2209.441	162.356	3011.134	1.98%	36.72%
44.0	2243.252	168.057	3179.191	2.05%	38.77%
45.0	2276.388	173.695	3352.886	2.12%	40.89%
46.0	2308.621	179.310	3532.195	2.19%	43.08%
47.0	2334.937	184.686	3716.882	2.25%	45.33%
48.0	2368.128	190.123	3907.004	2.32%	47.65%
49.0	2402.616	195.913	4102.918	2.39%	50.04%
50.0	2433.327	201.627	4304.544	2.46%	52.49%
51.0	2460.207	207.038	4511.583	2.52%	55.02%
52.0	2481.001	212.031	4723.614	2.59%	57.60%
53.0	2500.161	216.680	4940.294	2.64%	60.25%
54.0	2511.995	220.915	5161.209	2.69%	62.94%
55.0	2509.290	224.142	5385.35	2.73%	65.67%
56.0	2498.358	226.282	5611.632	2.76%	68.43%
57.0	2479.986	227.621	5839.253	2.78%	71.21%
58.0	2440.935	227.561	6066.814	2.78%	73.99%
59.0	2387.231	225.720	6292.534	2.75%	76.74%
60.0	2300.112	221.446	6513.98	2.70%	79.44%
61.0	2186.168	214.094	6728.074	2.61%	82.05%
62.0	2052.107	204.225	6932.3	2.49%	84.54%
63.0	1883.277	191.398	7123.698	2.33%	86.87%
64.0	1716.251	176.628	7300.325	2.15%	89.03%
65.0	1534.967	160.900	7461.225	1.96%	90.99%
66.0	1341.511	143.518	7604.743	1.75%	92.74%
67.0	1132.108	124.380	7729.123	1.52%	94.26%
68.0	940.229	104.978	7834.101	1.28%	95.54%
69.0	749.028	86.178	7920.279	1.05%	96.59%
70.0	548.190	66.623	7986.902	0.81%	97.40%
71.0	403.198	49.173	8036.075	0.60%	98.00%
72.0	299.848	36.556	8072.631	0.45%	98.45%
73.0	193.568	25.802	8098.433	0.31%	98.76%
74.0	137.442	17.402	8115.835	0.21%	98.97%
75.0	102.222	12.663	8128.498	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	80.696	9.710	8138.208	0.12%	99.25%
77.0	66.157	7.830	8146.038	0.10%	99.34%
78.0	58.268	6.661	8152.698	0.08%	99.42%
79.0	51.900	5.919	8158.617	0.07%	99.50%
80.0	45.194	5.235	8163.852	0.06%	99.56%
81.0	39.898	4.602	8168.454	0.06%	99.61%
82.0	35.276	4.077	8172.53	0.05%	99.66%
83.0	30.486	3.575	8176.105	0.04%	99.71%
84.0	26.091	3.082	8179.187	0.04%	99.75%
85.0	22.822	2.670	8181.857	0.03%	99.78%
86.0	19.328	2.304	8184.161	0.03%	99.81%
87.0	15.891	1.928	8186.088	0.02%	99.83%
88.0	13.073	1.587	8187.675	0.02%	99.85%
89.0	10.707	1.303	8188.978	0.02%	99.87%
90.0	8.396	1.047	8190.026	0.01%	99.88%
91.0	7.044	0.847	8190.872	0.01%	99.89%
92.0	5.748	0.701	8191.574	0.01%	99.90%
93.0	5.128	0.596	8192.169	0.01%	99.90%
94.0	4.734	0.540	8192.709	0.01%	99.91%
95.0	4.508	0.505	8193.214	0.01%	99.92%
96.0	4.395	0.486	8193.7	0.01%	99.92%
97.0	4.113	0.464	8194.164	0.01%	99.93%
98.0	3.888	0.435	8194.598	0.01%	99.93%
99.0	3.719	0.413	8195.011	0.01%	99.94%
100.0	3.663	0.399	8195.41	0.00%	99.94%
101.0	3.268	0.374	8195.784	0.00%	99.95%
102.0	2.987	0.336	8196.12	0.00%	99.95%
103.0	2.818	0.311	8196.431	0.00%	99.96%
104.0	2.479	0.282	8196.713	0.00%	99.96%
105.0	2.254	0.251	8196.964	0.00%	99.96%
106.0	2.085	0.229	8197.194	0.00%	99.97%
107.0	2.029	0.216	8197.41	0.00%	99.97%
108.0	1.860	0.203	8197.613	0.00%	99.97%
109.0	1.578	0.179	8197.792	0.00%	99.97%
110.0	1.521	0.160	8197.952	0.00%	99.97%
111.0	1.353	0.148	8198.1	0.00%	99.98%
112.0	1.296	0.135	8198.235	0.00%	99.98%
113.0	1.071	0.120	8198.355	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	0.958	0.102	8198.457	0.00%	99.98%
115.0	0.902	0.093	8198.55	0.00%	99.98%
116.0	0.902	0.089	8198.639	0.00%	99.98%
117.0	0.789	0.083	8198.722	0.00%	99.98%
118.0	0.789	0.077	8198.798	0.00%	99.99%
119.0	0.732	0.073	8198.872	0.00%	99.99%
120.0	0.732	0.070	8198.942	0.00%	99.99%
121.0	0.676	0.067	8199.008	0.00%	99.99%
122.0	0.676	0.063	8199.071	0.00%	99.99%
123.0	0.676	0.063	8199.134	0.00%	99.99%
124.0	0.676	0.062	8199.196	0.00%	99.99%
125.0	0.676	0.061	8199.257	0.00%	99.99%
126.0	0.676	0.060	8199.317	0.00%	99.99%
127.0	0.676	0.060	8199.377	0.00%	99.99%
128.0	0.676	0.059	8199.436	0.00%	99.99%
129.0	0.620	0.056	8199.491	0.00%	99.99%
130.0	0.620	0.052	8199.544	0.00%	99.99%
131.0	0.620	0.052	8199.595	0.00%	99.99%
132.0	0.620	0.051	8199.646	0.00%	100.00%
133.0	0.507	0.046	8199.692	0.00%	100.00%
134.0	0.507	0.040	8199.732	0.00%	100.00%
135.0	0.563	0.042	8199.774	0.00%	100.00%
136.0	0.620	0.045	8199.819	0.00%	100.00%
137.0	0.620	0.047	8199.866	0.00%	100.00%
138.0	0.563	0.044	8199.91	0.00%	100.00%
139.0	0.394	0.035	8199.945	0.00%	100.00%
140.0	0.394	0.028	8199.973	0.00%	100.00%
141.0	0.282	0.024	8199.996	0.00%	100.00%
142.0	0.169	0.015	8200.012	0.00%	100.00%
143.0	0.056	0.008	8200.019	0.00%	100.00%
144.0	0.056	0.004	8200.023	0.00%	100.00%
145.0	0.000	0.002	8200.025	0.00%	100.00%
146.0	0.000	0.000	8200.025	0.00%	100.00%
147.0	0.000	0.000	8200.025	0.00%	100.00%
148.0	0.000	0.000	8200.025	0.00%	100.00%
149.0	0.000	0.000	8200.025	0.00%	100.00%
150.0	0.000	0.000	8200.025	0.00%	100.00%
151.0	0.000	0.000	8200.025	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	8200.025	0.00%	100.00%
153.0	0.000	0.000	8200.025	0.00%	100.00%
154.0	0.000	0.000	8200.025	0.00%	100.00%
155.0	0.000	0.000	8200.025	0.00%	100.00%
156.0	0.000	0.000	8200.025	0.00%	100.00%
157.0	0.000	0.000	8200.025	0.00%	100.00%
158.0	0.000	0.000	8200.025	0.00%	100.00%
159.0	0.000	0.000	8200.025	0.00%	100.00%
160.0	0.000	0.000	8200.025	0.00%	100.00%
161.0	0.000	0.000	8200.025	0.00%	100.00%
162.0	0.000	0.000	8200.025	0.00%	100.00%
163.0	0.000	0.000	8200.025	0.00%	100.00%
164.0	0.000	0.000	8200.025	0.00%	100.00%
165.0	0.000	0.000	8200.025	0.00%	100.00%
166.0	0.000	0.000	8200.025	0.00%	100.00%
167.0	0.000	0.000	8200.025	0.00%	100.00%
168.0	0.000	0.000	8200.025	0.00%	100.00%
169.0	0.000	0.000	8200.025	0.00%	100.00%
170.0	0.000	0.000	8200.025	0.00%	100.00%
171.0	0.000	0.000	8200.025	0.00%	100.00%
172.0	0.000	0.000	8200.025	0.00%	100.00%
173.0	0.000	0.000	8200.025	0.00%	100.00%
174.0	0.000	0.000	8200.025	0.00%	100.00%
175.0	0.000	0.000	8200.025	0.00%	100.00%
176.0	0.000	0.000	8200.025	0.00%	100.00%
177.0	0.000	0.000	8200.025	0.00%	100.00%
178.0	0.000	0.000	8200.025	0.00%	100.00%
179.0	0.000	0.000	8200.025	0.00%	100.00%
180.0	0.000	0.000	8200.025	0.00%	100.00%

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

Date:
Humidity(%): 56%

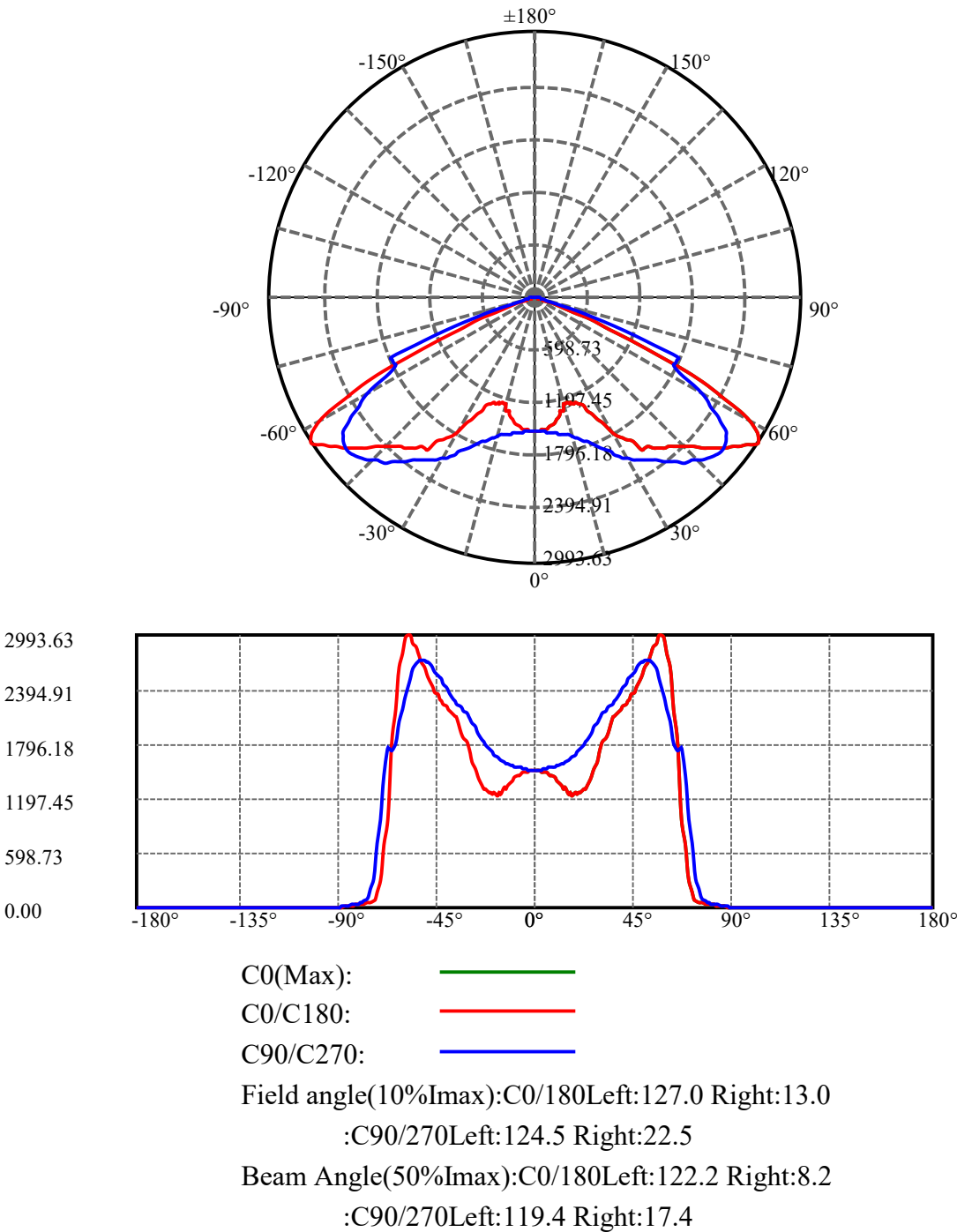
Operator: LSC

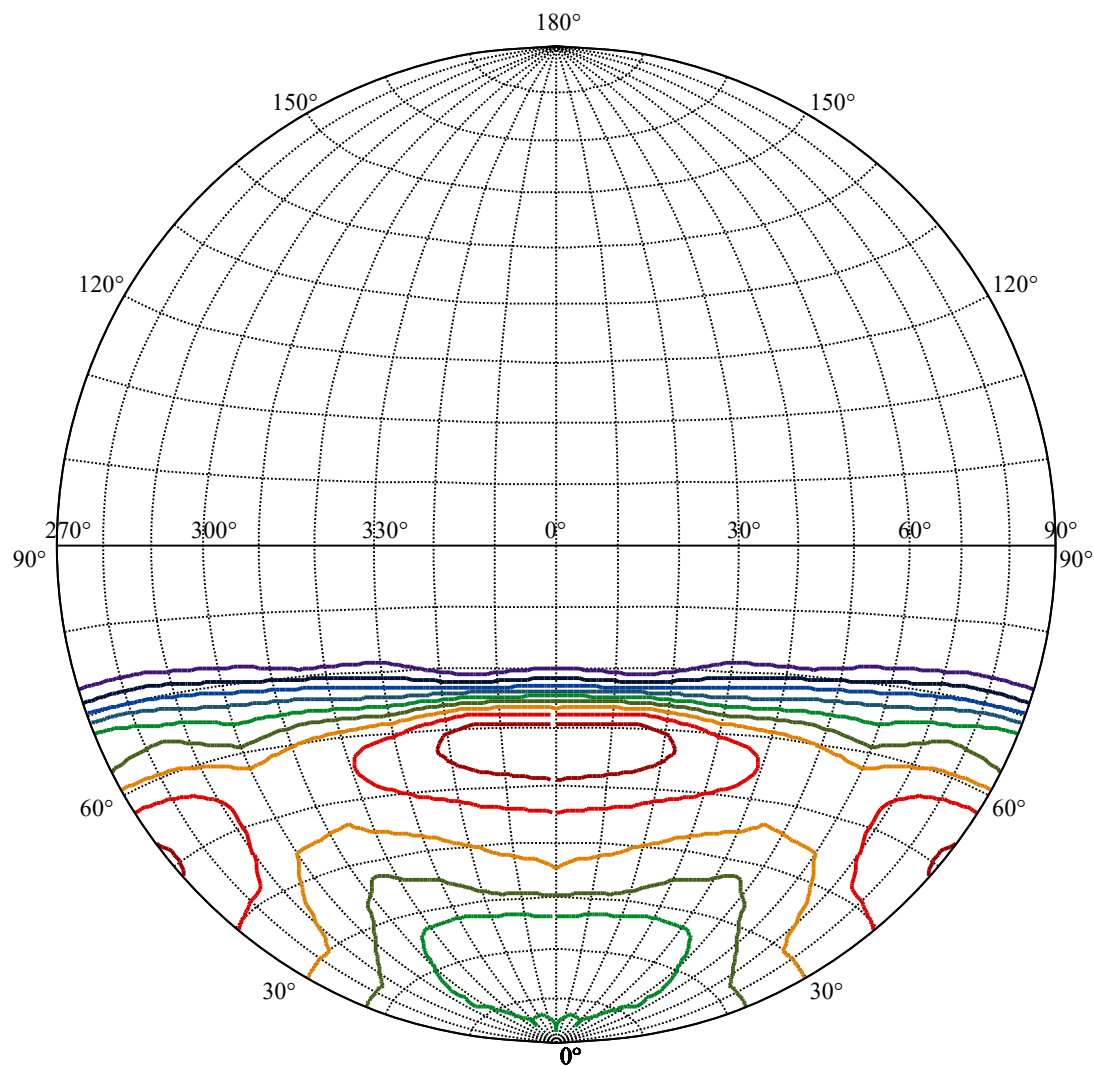
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1302.70	15.89%	15.89%
0-40	2540.87	30.99%	30.99%
0-60	6513.98	79.44%	79.44%
0-90	8190.03	99.88%	99.88%
0-120	8198.94	99.99%	99.99%
0-180	8200.02	100.00%	100.00%
60-90	1676.05	20.44%	20.44%
90-120	8.92	0.11%	0.11%
90-130	9.52	0.12%	0.12%
90-150	10.00	0.12%	0.12%
90-180	10.00	0.12%	0.12%
0-60.22	6560.02	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	143.96
10-20	411.58
20-30	747.16
30-40	1238.17
40-50	1763.67
50-60	2209.44
60-70	1472.92
70-80	176.95
80-90	26.17
90-100	5.38
100-110	2.54
110-120	0.99
120-130	0.60
130-140	0.43
140-150	0.05
150-160	0.00
160-170	0.00
170-180	0.00



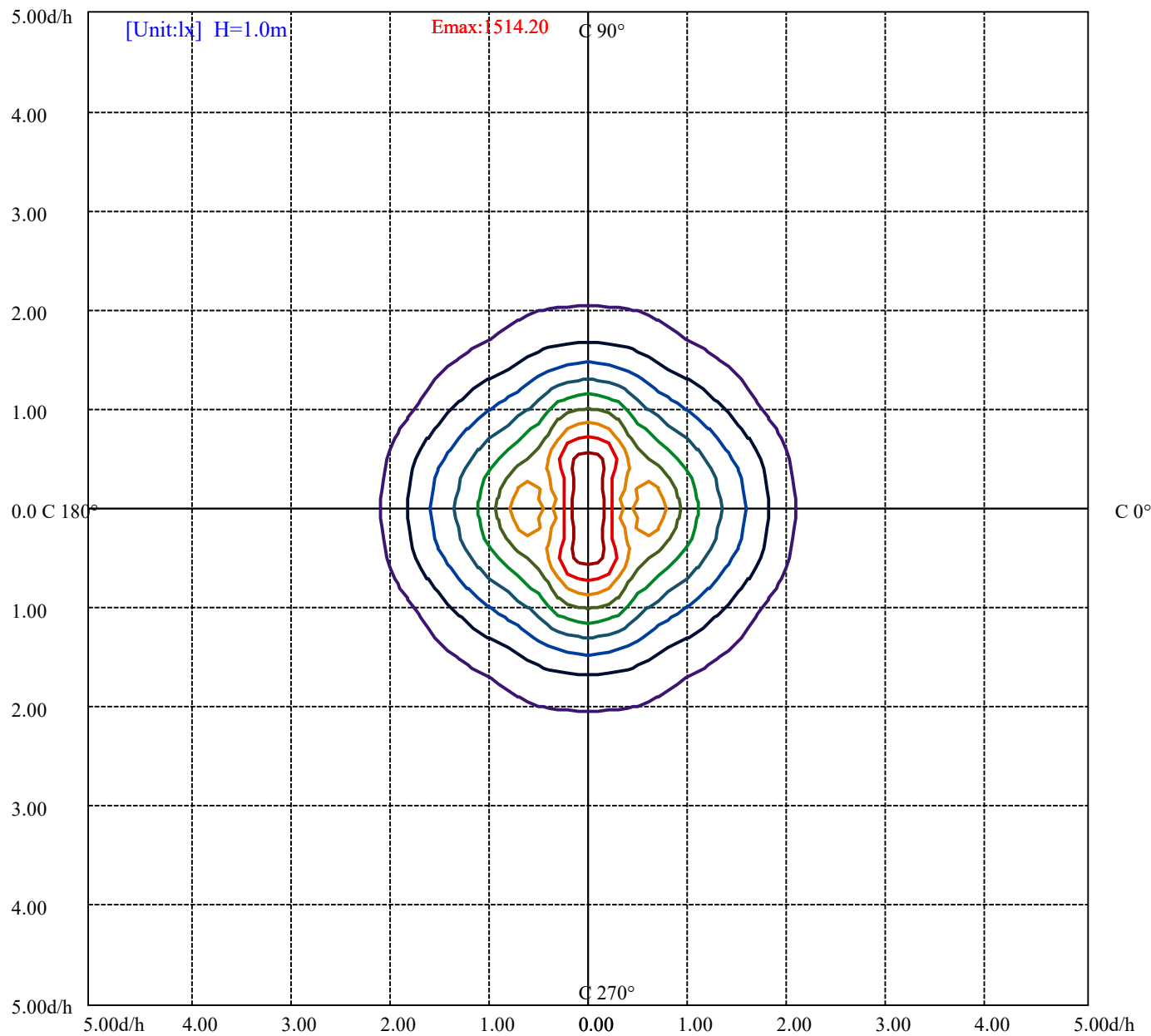


House

[Unit:cd]

Road

I _{max} :2993.63	
(10%I _{max})	299.363
(20%I _{max})	598.727
(30%I _{max})	898.09
(40%I _{max})	1197.45
(50%I _{max})	1496.82
(60%I _{max})	1796.18
(70%I _{max})	2095.54
(80%I _{max})	2394.91
(90%I _{max})	2694.27



(10%Emax)	151.42	
(20%Emax)	302.839	
(30%Emax)	454.259	
(40%Emax)	605.678	
(50%Emax)	757.098	
(60%Emax)	908.518	
(70%Emax)	1059.94	
(80%Emax)	1211.36	
(90%Emax)	1362.78	

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	1514.20	1514.20	1505.27	1493.10	1494.45	1493.10	1476.19	1455.23	1443.73
15.0	1514.20	1514.20	1517.78	1522.17	1522.17	1520.15	1507.30	1494.45	1479.91
30.0	1514.20	1514.20	1509.66	1506.96	1500.20	1495.46	1496.48	1476.19	1475.85
45.0	1514.20	1514.20	1531.30	1530.97	1527.25	1528.60	1531.64	1523.19	1502.90
60.0	1514.20	1514.20	1507.30	1506.96	1508.99	1511.69	1513.05	1509.66	1516.43
75.0	1514.20	1514.20	1539.42	1539.76	1541.11	1541.79	1544.49	1549.56	1553.62
90.0	1514.20	1514.20	1508.65	1511.35	1516.09	1527.58	1534.35	1539.08	1545.84
105.0	1514.20	1514.20	1539.42	1539.76	1541.11	1541.79	1544.49	1549.56	1553.62
120.0	1514.20	1514.20	1507.30	1506.96	1508.99	1511.69	1513.05	1509.66	1516.43
135.0	1514.20	1514.20	1531.30	1530.97	1527.25	1528.60	1531.64	1523.19	1502.90
150.0	1514.20	1514.20	1509.66	1506.96	1500.20	1495.46	1496.48	1476.19	1475.85
165.0	1514.20	1514.20	1517.78	1522.17	1522.17	1520.15	1507.30	1494.45	1479.91
180.0	1514.20	1514.20	1505.27	1493.10	1494.45	1493.10	1476.19	1455.23	1443.73
195.0	1514.20	1514.20	1517.78	1522.17	1522.17	1520.15	1507.30	1494.45	1479.91
210.0	1514.20	1514.20	1509.66	1506.96	1500.20	1495.46	1496.48	1476.19	1475.85
225.0	1514.20	1514.20	1531.30	1530.97	1527.25	1528.60	1531.64	1523.19	1502.90
240.0	1514.20	1514.20	1507.30	1506.96	1508.99	1511.69	1513.05	1509.66	1516.43
255.0	1514.20	1514.20	1539.42	1539.76	1541.11	1541.79	1544.49	1549.56	1553.62
270.0	1514.20	1514.20	1508.65	1511.35	1516.09	1527.58	1534.35	1539.08	1545.84
285.0	1514.20	1514.20	1539.42	1539.76	1541.11	1541.79	1544.49	1549.56	1553.62
300.0	1514.20	1514.20	1507.30	1506.96	1508.99	1511.69	1513.05	1509.66	1516.43
315.0	1514.20	1514.20	1531.30	1530.97	1527.25	1528.60	1531.64	1523.19	1502.90
330.0	1514.20	1514.20	1509.66	1506.96	1500.20	1495.46	1496.48	1476.19	1475.85
345.0	1514.20	1514.20	1517.78	1522.17	1522.17	1520.15	1507.30	1494.45	1479.91
360.0	1514.20	1514.20	1505.27	1493.10	1494.45	1493.10	1476.19	1455.23	1443.73

C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1426.83	1392.34	1382.20	1347.71	1309.16	1315.25	1249.66	1255.74	1234.78
15.0	1468.42	1433.93	1408.91	1384.56	1340.27	1290.23	1275.69	1246.62	1227.00
30.0	1465.37	1443.06	1422.77	1413.98	1397.41	1381.86	1366.31	1331.82	1312.88
45.0	1500.54	1492.08	1489.72	1465.04	1464.02	1452.86	1439.68	1419.05	1414.99
60.0	1520.15	1518.46	1516.43	1514.74	1514.06	1526.91	1529.95	1533.67	1544.49
75.0	1559.37	1565.45	1569.85	1580.33	1591.49	1598.59	1622.93	1641.87	1662.15
90.0	1551.25	1558.69	1566.13	1574.92	1585.74	1597.91	1621.58	1637.81	1660.80
105.0	1559.37	1565.45	1569.85	1580.33	1591.49	1598.59	1622.93	1641.87	1662.15
120.0	1520.15	1518.46	1516.43	1514.74	1514.06	1526.91	1529.95	1533.67	1544.49
135.0	1500.54	1492.08	1489.72	1465.04	1464.02	1452.86	1439.68	1419.05	1414.99
150.0	1465.37	1443.06	1422.77	1413.98	1397.41	1381.86	1366.31	1331.82	1312.88
165.0	1468.42	1433.93	1408.91	1384.56	1340.27	1290.23	1275.69	1246.62	1227.00
180.0	1426.83	1392.34	1382.20	1347.71	1309.16	1315.25	1249.66	1255.74	1234.78
195.0	1468.42	1433.93	1408.91	1384.56	1340.27	1290.23	1275.69	1246.62	1227.00
210.0	1465.37	1443.06	1422.77	1413.98	1397.41	1381.86	1366.31	1331.82	1312.88
225.0	1500.54	1492.08	1489.72	1465.04	1464.02	1452.86	1439.68	1419.05	1414.99
240.0	1520.15	1518.46	1516.43	1514.74	1514.06	1526.91	1529.95	1533.67	1544.49
255.0	1559.37	1565.45	1569.85	1580.33	1591.49	1598.59	1622.93	1641.87	1662.15
270.0	1551.25	1558.69	1566.13	1574.92	1585.74	1597.91	1621.58	1637.81	1660.80
285.0	1559.37	1565.45	1569.85	1580.33	1591.49	1598.59	1622.93	1641.87	1662.15
300.0	1520.15	1518.46	1516.43	1514.74	1514.06	1526.91	1529.95	1533.67	1544.49
315.0	1500.54	1492.08	1489.72	1465.04	1464.02	1452.86	1439.68	1419.05	1414.99
330.0	1465.37	1443.06	1422.77	1413.98	1397.41	1381.86	1366.31	1331.82	1312.88
345.0	1468.42	1433.93	1408.91	1384.56	1340.27	1290.23	1275.69	1246.62	1227.00
360.0	1426.83	1392.34	1382.20	1347.71	1309.16	1315.25	1249.66	1255.74	1234.78

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	1265.89	1244.92	1273.33	1271.30	1304.43	1299.70	1340.95	1405.19	1473.49
15.0	1216.86	1212.80	1232.41	1263.18	1263.86	1291.92	1349.06	1407.89	1419.39
30.0	1299.02	1294.63	1289.89	1298.35	1303.42	1327.76	1356.84	1373.41	1402.82
45.0	1421.08	1425.81	1428.18	1434.27	1443.73	1439.34	1452.86	1479.57	1498.51
60.0	1558.01	1570.86	1590.47	1614.48	1653.70	1683.12	1711.52	1731.80	1748.71
75.0	1683.45	1705.43	1731.13	1762.57	1789.96	1820.39	1858.26	1890.38	1936.70
90.0	1681.09	1704.08	1729.78	1756.15	1783.87	1815.66	1848.11	1902.21	1938.05
105.0	1683.45	1705.43	1731.13	1762.57	1789.96	1820.39	1858.26	1890.38	1936.70
120.0	1558.01	1570.86	1590.47	1614.48	1653.70	1683.12	1711.52	1731.80	1748.71
135.0	1421.08	1425.81	1428.18	1434.27	1443.73	1439.34	1452.86	1479.57	1498.51
150.0	1299.02	1294.63	1289.89	1298.35	1303.42	1327.76	1356.84	1373.41	1402.82
165.0	1216.86	1212.80	1232.41	1263.18	1263.86	1291.92	1349.06	1407.89	1419.39
180.0	1265.89	1244.92	1273.33	1271.30	1304.43	1299.70	1340.95	1405.19	1473.49
195.0	1216.86	1212.80	1232.41	1263.18	1263.86	1291.92	1349.06	1407.89	1419.39
210.0	1299.02	1294.63	1289.89	1298.35	1303.42	1327.76	1356.84	1373.41	1402.82
225.0	1421.08	1425.81	1428.18	1434.27	1443.73	1439.34	1452.86	1479.57	1498.51
240.0	1558.01	1570.86	1590.47	1614.48	1653.70	1683.12	1711.52	1731.80	1748.71
255.0	1683.45	1705.43	1731.13	1762.57	1789.96	1820.39	1858.26	1890.38	1936.70
270.0	1681.09	1704.08	1729.78	1756.15	1783.87	1815.66	1848.11	1902.21	1938.05
285.0	1683.45	1705.43	1731.13	1762.57	1789.96	1820.39	1858.26	1890.38	1936.70
300.0	1558.01	1570.86	1590.47	1614.48	1653.70	1683.12	1711.52	1731.80	1748.71
315.0	1421.08	1425.81	1428.18	1434.27	1443.73	1439.34	1452.86	1479.57	1498.51
330.0	1299.02	1294.63	1289.89	1298.35	1303.42	1327.76	1356.84	1373.41	1402.82
345.0	1216.86	1212.80	1232.41	1263.18	1263.86	1291.92	1349.06	1407.89	1419.39
360.0	1265.89	1244.92	1273.33	1271.30	1304.43	1299.70	1340.95	1405.19	1473.49

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1533.67	1606.03	1689.20	1771.02	1824.45	1860.29	1900.18	1961.04	2090.20
15.0	1493.10	1561.40	1654.38	1722.67	1794.02	1869.75	1919.12	1975.58	2002.29
30.0	1453.20	1511.69	1550.92	1587.77	1651.67	1676.69	1711.18	1764.26	1810.58
45.0	1514.40	1576.95	1599.94	1629.36	1658.10	1671.62	1679.73	1700.70	1736.88
60.0	1773.39	1810.58	1834.25	1861.98	1878.54	1897.82	1905.25	1926.56	1941.09
75.0	1971.19	2009.73	2057.40	2092.57	2123.34	2154.10	2169.66	2187.24	2205.84
90.0	1992.83	2026.64	2060.45	2098.32	2132.13	2158.50	2186.90	2215.30	2236.94
105.0	1971.19	2009.73	2057.40	2092.57	2123.34	2154.10	2169.66	2187.24	2205.84
120.0	1773.39	1810.58	1834.25	1861.98	1878.54	1897.82	1905.25	1926.56	1941.09
135.0	1514.40	1576.95	1599.94	1629.36	1658.10	1671.62	1679.73	1700.70	1736.88
150.0	1453.20	1511.69	1550.92	1587.77	1651.67	1676.69	1711.18	1764.26	1810.58
165.0	1493.10	1561.40	1654.38	1722.67	1794.02	1869.75	1919.12	1975.58	2002.29
180.0	1533.67	1606.03	1689.20	1771.02	1824.45	1860.29	1900.18	1961.04	2090.20
195.0	1493.10	1561.40	1654.38	1722.67	1794.02	1869.75	1919.12	1975.58	2002.29
210.0	1453.20	1511.69	1550.92	1587.77	1651.67	1676.69	1711.18	1764.26	1810.58
225.0	1514.40	1576.95	1599.94	1629.36	1658.10	1671.62	1679.73	1700.70	1736.88
240.0	1773.39	1810.58	1834.25	1861.98	1878.54	1897.82	1905.25	1926.56	1941.09
255.0	1971.19	2009.73	2057.40	2092.57	2123.34	2154.10	2169.66	2187.24	2205.84
270.0	1992.83	2026.64	2060.45	2098.32	2132.13	2158.50	2186.90	2215.30	2236.94
285.0	1971.19	2009.73	2057.40	2092.57	2123.34	2154.10	2169.66	2187.24	2205.84
300.0	1773.39	1810.58	1834.25	1861.98	1878.54	1897.82	1905.25	1926.56	1941.09
315.0	1514.40	1576.95	1599.94	1629.36	1658.10	1671.62	1679.73	1700.70	1736.88
330.0	1453.20	1511.69	1550.92	1587.77	1651.67	1676.69	1711.18	1764.26	1810.58
345.0	1493.10	1561.40	1654.38	1722.67	1794.02	1869.75	1919.12	1975.58	2002.29
360.0	1533.67	1606.03	1689.20	1771.02	1824.45	1860.29	1900.18	1961.04	2090.20

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	2102.37	2111.16	2154.44	2179.46	2217.33	2237.62	2261.29	2295.77	2336.35
15.0	2023.26	2054.02	2077.35	2101.70	2128.75	2165.26	2195.35	2232.55	2270.08
30.0	1840.68	1881.92	1926.56	1963.41	2006.01	2041.51	2070.93	2108.80	2142.27
45.0	1764.60	1774.74	1821.40	1835.60	1873.81	1893.76	1940.76	1994.85	2041.51
60.0	1936.70	1939.40	1945.15	1975.24	1998.23	2012.77	2042.19	2068.90	2090.20
75.0	2233.22	2255.88	2286.98	2314.03	2342.43	2371.17	2409.72	2438.12	2471.25
90.0	2263.31	2289.69	2339.05	2373.54	2409.38	2445.90	2502.70	2531.10	2552.06
105.0	2233.22	2255.88	2286.98	2314.03	2342.43	2371.17	2409.72	2438.12	2471.25
120.0	1936.70	1939.40	1945.15	1975.24	1998.23	2012.77	2042.19	2068.90	2090.20
135.0	1764.60	1774.74	1821.40	1835.60	1873.81	1893.76	1940.76	1994.85	2041.51
150.0	1840.68	1881.92	1926.56	1963.41	2006.01	2041.51	2070.93	2108.80	2142.27
165.0	2023.26	2054.02	2077.35	2101.70	2128.75	2165.26	2195.35	2232.55	2270.08
180.0	2102.37	2111.16	2154.44	2179.46	2217.33	2237.62	2261.29	2295.77	2336.35
195.0	2023.26	2054.02	2077.35	2101.70	2128.75	2165.26	2195.35	2232.55	2270.08
210.0	1840.68	1881.92	1926.56	1963.41	2006.01	2041.51	2070.93	2108.80	2142.27
225.0	1764.60	1774.74	1821.40	1835.60	1873.81	1893.76	1940.76	1994.85	2041.51
240.0	1936.70	1939.40	1945.15	1975.24	1998.23	2012.77	2042.19	2068.90	2090.20
255.0	2233.22	2255.88	2286.98	2314.03	2342.43	2371.17	2409.72	2438.12	2471.25
270.0	2263.31	2289.69	2339.05	2373.54	2409.38	2445.90	2502.70	2531.10	2552.06
285.0	2233.22	2255.88	2286.98	2314.03	2342.43	2371.17	2409.72	2438.12	2471.25
300.0	1936.70	1939.40	1945.15	1975.24	1998.23	2012.77	2042.19	2068.90	2090.20
315.0	1764.60	1774.74	1821.40	1835.60	1873.81	1893.76	1940.76	1994.85	2041.51
330.0	1840.68	1881.92	1926.56	1963.41	2006.01	2041.51	2070.93	2108.80	2142.27
345.0	2023.26	2054.02	2077.35	2101.70	2128.75	2165.26	2195.35	2232.55	2270.08
360.0	2102.37	2111.16	2154.44	2179.46	2217.33	2237.62	2261.29	2295.77	2336.35
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2368.81	2420.20	2459.42	2529.07	2578.43	2631.86	2688.66	2745.46	2803.62
15.0	2310.99	2359.68	2407.35	2443.87	2498.98	2566.26	2612.58	2657.21	2700.15
30.0	2183.86	2228.83	2267.71	2305.24	2364.07	2396.53	2443.53	2482.41	2514.19
45.0	2071.61	2089.19	2101.02	2140.24	2163.57	2200.42	2237.96	2263.65	2280.90
60.0	2117.25	2128.75	2139.90	2160.53	2182.84	2196.03	2201.44	2202.12	2214.63
75.0	2497.63	2522.98	2538.88	2550.37	2564.91	2567.28	2562.88	2551.39	2540.23
90.0	2585.20	2624.42	2650.11	2687.98	2704.21	2715.03	2717.06	2713.00	2698.13
105.0	2497.63	2522.98	2538.88	2550.37	2564.91	2567.28	2562.88	2551.39	2540.23
120.0	2117.25	2128.75	2139.90	2160.53	2182.84	2196.03	2201.44	2202.12	2214.63
135.0	2071.61	2089.19	2101.02	2140.24	2163.57	2200.42	2237.96	2263.65	2280.90
150.0	2183.86	2228.83	2267.71	2305.24	2364.07	2396.53	2443.53	2482.41	2514.19
165.0	2310.99	2359.68	2407.35	2443.87	2498.98	2566.26	2612.58	2657.21	2700.15
180.0	2368.81	2420.20	2459.42	2529.07	2578.43	2631.86	2688.66	2745.46	2803.62
195.0	2310.99	2359.68	2407.35	2443.87	2498.98	2566.26	2612.58	2657.21	2700.15
210.0	2183.86	2228.83	2267.71	2305.24	2364.07	2396.53	2443.53	2482.41	2514.19
225.0	2071.61	2089.19	2101.02	2140.24	2163.57	2200.42	2237.96	2263.65	2280.90
240.0	2117.25	2128.75	2139.90	2160.53	2182.84	2196.03	2201.44	2202.12	2214.63
255.0	2497.63	2522.98	2538.88	2550.37	2564.91	2567.28	2562.88	2551.39	2540.23
270.0	2585.20	2624.42	2650.11	2687.98	2704.21	2715.03	2717.06	2713.00	2698.13
285.0	2497.63	2522.98	2538.88	2550.37	2564.91	2567.28	2562.88	2551.39	2540.23
300.0	2117.25	2128.75	2139.90	2160.53	2182.84	2196.03	2201.44	2202.12	2214.63
315.0	2071.61	2089.19	2101.02	2140.24	2163.57	2200.42	2237.96	2263.65	2280.90
330.0	2183.86	2228.83	2267.71	2305.24	2364.07	2396.53	2443.53	2482.41	2514.19
345.0	2310.99	2359.68	2407.35	2443.87	2498.98	2566.26	2612.58	2657.21	2700.15
360.0	2368.81	2420.20	2459.42	2529.07	2578.43	2631.86	2688.66	2745.46	2803.62

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	2857.71	2907.08	2965.91	2993.63	2967.26	2906.40	2797.53	2637.27	2426.96
15.0	2746.48	2786.71	2819.51	2848.92	2856.36	2858.73	2784.68	2684.26	2529.75
30.0	2538.20	2546.31	2548.34	2535.83	2498.30	2438.79	2345.14	2223.42	2014.46
45.0	2293.74	2296.79	2290.36	2279.21	2264.33	2219.02	2153.77	2034.08	1924.53
60.0	2214.29	2197.72	2168.64	2129.08	2075.66	1998.24	1921.48	1795.71	1703.40
75.0	2514.87	2459.76	2410.73	2357.65	2296.11	2224.09	2112.18	2036.10	1971.52
90.0	2671.08	2629.83	2539.21	2464.83	2342.43	2262.64	2169.32	2049.63	1911.00
105.0	2514.87	2459.76	2410.73	2357.65	2296.11	2224.09	2112.18	2036.10	1971.52
120.0	2214.29	2197.72	2168.64	2129.08	2075.66	1998.24	1921.48	1795.71	1703.40
135.0	2293.74	2296.79	2290.36	2279.21	2264.33	2219.02	2153.77	2034.08	1924.53
150.0	2538.20	2546.31	2548.34	2535.83	2498.30	2438.79	2345.14	2223.42	2014.46
165.0	2746.48	2786.71	2819.51	2848.92	2856.36	2858.73	2784.68	2684.26	2529.75
180.0	2857.71	2907.08	2965.91	2993.63	2967.26	2906.40	2797.53	2637.27	2426.96
195.0	2746.48	2786.71	2819.51	2848.92	2856.36	2858.73	2784.68	2684.26	2529.75
210.0	2538.20	2546.31	2548.34	2535.83	2498.30	2438.79	2345.14	2223.42	2014.46
225.0	2293.74	2296.79	2290.36	2279.21	2264.33	2219.02	2153.77	2034.08	1924.53
240.0	2214.29	2197.72	2168.64	2129.08	2075.66	1998.24	1921.48	1795.71	1703.40
255.0	2514.87	2459.76	2410.73	2357.65	2296.11	2224.09	2112.18	2036.10	1971.52
270.0	2671.08	2629.83	2539.21	2464.83	2342.43	2262.64	2169.32	2049.63	1911.00
285.0	2514.87	2459.76	2410.73	2357.65	2296.11	2224.09	2112.18	2036.10	1971.52
300.0	2214.29	2197.72	2168.64	2129.08	2075.66	1998.24	1921.48	1795.71	1703.40
315.0	2293.74	2296.79	2290.36	2279.21	2264.33	2219.02	2153.77	2034.08	1924.53
330.0	2538.20	2546.31	2548.34	2535.83	2498.30	2438.79	2345.14	2223.42	2014.46
345.0	2746.48	2786.71	2819.51	2848.92	2856.36	2858.73	2784.68	2684.26	2529.75
360.0	2857.71	2907.08	2965.91	2993.63	2967.26	2906.40	2797.53	2637.27	2426.96

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2180.81	1900.86	1603.32	1174.60	908.84	680.96	467.95	294.16	171.76
15.0	2236.27	1943.80	1602.31	1238.50	805.72	511.90	288.41	125.44	95.69
30.0	1788.27	1588.78	1340.61	1154.65	980.86	818.90	611.31	482.48	337.10
45.0	1794.35	1615.49	1459.63	1298.68	1135.04	963.95	730.32	527.45	320.87
60.0	1602.31	1517.10	1435.96	1336.21	1199.96	1041.72	887.88	662.36	522.04
75.0	1889.70	1812.95	1700.70	1558.01	1351.43	1243.57	1132.33	862.52	700.57
90.0	1796.72	1737.89	1737.89	1751.41	1730.45	1441.70	1219.90	963.62	714.09
105.0	1889.70	1812.95	1700.70	1558.01	1351.43	1243.57	1132.33	862.52	700.57
120.0	1602.31	1517.10	1435.96	1336.21	1199.96	1041.72	887.88	662.36	522.04
135.0	1794.35	1615.49	1459.63	1298.68	1135.04	963.95	730.32	527.45	320.87
150.0	1788.27	1588.78	1340.61	1154.65	980.86	818.90	611.31	482.48	337.10
165.0	2236.27	1943.80	1602.31	1238.50	805.72	511.90	288.41	125.44	95.69
180.0	2180.81	1900.86	1603.32	1174.60	908.84	680.96	467.95	294.16	171.76
195.0	2236.27	1943.80	1602.31	1238.50	805.72	511.90	288.41	125.44	95.69
210.0	1788.27	1588.78	1340.61	1154.65	980.86	818.90	611.31	482.48	337.10
225.0	1794.35	1615.49	1459.63	1298.68	1135.04	963.95	730.32	527.45	320.87
240.0	1602.31	1517.10	1435.96	1336.21	1199.96	1041.72	887.88	662.36	522.04
255.0	1889.70	1812.95	1700.70	1558.01	1351.43	1243.57	1132.33	862.52	700.57
270.0	1796.72	1737.89	1737.89	1751.41	1730.45	1441.70	1219.90	963.62	714.09
285.0	1889.70	1812.95	1700.70	1558.01	1351.43	1243.57	1132.33	862.52	700.57
300.0	1602.31	1517.10	1435.96	1336.21	1199.96	1041.72	887.88	662.36	522.04
315.0	1794.35	1615.49	1459.63	1298.68	1135.04	963.95	730.32	527.45	320.87
330.0	1788.27	1588.78	1340.61	1154.65	980.86	818.90	611.31	482.48	337.10
345.0	2236.27	1943.80	1602.31	1238.50	805.72	511.90	288.41	125.44	95.69
360.0	2180.81	1900.86	1603.32	1174.60	908.84	680.96	467.95	294.16	171.76

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	99.41	72.36	64.24	58.83	53.42	45.31	40.57	36.52	31.11
15.0	85.20	76.41	69.65	63.57	57.82	48.69	45.65	41.93	35.84
30.0	272.52	180.55	122.40	86.22	70.67	64.58	57.82	52.75	46.66
45.0	213.01	144.71	103.12	83.18	72.36	63.90	58.83	50.72	45.98
60.0	392.89	226.53	155.87	112.25	85.88	71.00	62.21	57.14	49.36
75.0	536.92	334.39	237.69	170.07	123.75	92.64	75.06	65.93	56.13
90.0	497.70	325.26	207.60	137.27	94.00	66.95	59.51	49.36	43.28
105.0	536.92	334.39	237.69	170.07	123.75	92.64	75.06	65.93	56.13
120.0	392.89	226.53	155.87	112.25	85.88	71.00	62.21	57.14	49.36
135.0	213.01	144.71	103.12	83.18	72.36	63.90	58.83	50.72	45.98
150.0	272.52	180.55	122.40	86.22	70.67	64.58	57.82	52.75	46.66
165.0	85.20	76.41	69.65	63.57	57.82	48.69	45.65	41.93	35.84
180.0	99.41	72.36	64.24	58.83	53.42	45.31	40.57	36.52	31.11
195.0	85.20	76.41	69.65	63.57	57.82	48.69	45.65	41.93	35.84
210.0	272.52	180.55	122.40	86.22	70.67	64.58	57.82	52.75	46.66
225.0	213.01	144.71	103.12	83.18	72.36	63.90	58.83	50.72	45.98
240.0	392.89	226.53	155.87	112.25	85.88	71.00	62.21	57.14	49.36
255.0	536.92	334.39	237.69	170.07	123.75	92.64	75.06	65.93	56.13
270.0	497.70	325.26	207.60	137.27	94.00	66.95	59.51	49.36	43.28
285.0	536.92	334.39	237.69	170.07	123.75	92.64	75.06	65.93	56.13
300.0	392.89	226.53	155.87	112.25	85.88	71.00	62.21	57.14	49.36
315.0	213.01	144.71	103.12	83.18	72.36	63.90	58.83	50.72	45.98
330.0	272.52	180.55	122.40	86.22	70.67	64.58	57.82	52.75	46.66
345.0	85.20	76.41	69.65	63.57	57.82	48.69	45.65	41.93	35.84
360.0	99.41	72.36	64.24	58.83	53.42	45.31	40.57	36.52	31.11
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	28.40	24.34	21.64	17.58	14.20	12.17	8.11	6.09	4.73
15.0	32.80	29.08	24.34	20.96	17.92	14.88	12.17	8.45	6.09
30.0	39.56	35.84	31.44	26.04	23.33	19.27	16.23	13.86	11.16
45.0	41.25	34.83	31.11	28.06	24.68	21.30	18.60	15.89	13.52
60.0	43.28	38.54	34.15	28.74	26.37	22.65	19.61	17.58	15.22
75.0	50.38	45.31	36.85	32.12	27.73	24.01	19.61	16.23	13.86
90.0	35.84	31.78	28.40	23.67	19.61	15.55	10.14	6.76	4.06
105.0	50.38	45.31	36.85	32.12	27.73	24.01	19.61	16.23	13.86
120.0	43.28	38.54	34.15	28.74	26.37	22.65	19.61	17.58	15.22
135.0	41.25	34.83	31.11	28.06	24.68	21.30	18.60	15.89	13.52
150.0	39.56	35.84	31.44	26.04	23.33	19.27	16.23	13.86	11.16
165.0	32.80	29.08	24.34	20.96	17.92	14.88	12.17	8.45	6.09
180.0	28.40	24.34	21.64	17.58	14.20	12.17	8.11	6.09	4.73
195.0	32.80	29.08	24.34	20.96	17.92	14.88	12.17	8.45	6.09
210.0	39.56	35.84	31.44	26.04	23.33	19.27	16.23	13.86	11.16
225.0	41.25	34.83	31.11	28.06	24.68	21.30	18.60	15.89	13.52
240.0	43.28	38.54	34.15	28.74	26.37	22.65	19.61	17.58	15.22
255.0	50.38	45.31	36.85	32.12	27.73	24.01	19.61	16.23	13.86
270.0	35.84	31.78	28.40	23.67	19.61	15.55	10.14	6.76	4.06
285.0	50.38	45.31	36.85	32.12	27.73	24.01	19.61	16.23	13.86
300.0	43.28	38.54	34.15	28.74	26.37	22.65	19.61	17.58	15.22
315.0	41.25	34.83	31.11	28.06	24.68	21.30	18.60	15.89	13.52
330.0	39.56	35.84	31.44	26.04	23.33	19.27	16.23	13.86	11.16
345.0	32.80	29.08	24.34	20.96	17.92	14.88	12.17	8.45	6.09
360.0	28.40	24.34	21.64	17.58	14.20	12.17	8.11	6.09	4.73

C/ $\gamma(^{\circ})$	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	3.38	2.70	1.35	0.68	0.68	0.68	0.68	0.68	0.68
15.0	3.38	1.69	1.01	1.01	0.68	0.68	0.68	0.68	0.68
30.0	8.79	6.76	5.41	4.40	3.72	3.04	2.70	2.70	2.03
45.0	10.82	9.47	7.44	7.10	6.76	6.42	6.09	5.75	5.41
60.0	13.19	12.17	11.50	10.48	9.47	9.13	9.13	8.11	8.11
75.0	11.16	10.14	8.45	7.44	7.44	7.44	7.44	7.10	6.76
90.0	2.70	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	11.16	10.14	8.45	7.44	7.44	7.44	7.44	7.10	6.76
120.0	13.19	12.17	11.50	10.48	9.47	9.13	9.13	8.11	8.11
135.0	10.82	9.47	7.44	7.10	6.76	6.42	6.09	5.75	5.41
150.0	8.79	6.76	5.41	4.40	3.72	3.04	2.70	2.70	2.03
165.0	3.38	1.69	1.01	1.01	0.68	0.68	0.68	0.68	0.68
180.0	3.38	2.70	1.35	0.68	0.68	0.68	0.68	0.68	0.68
195.0	3.38	1.69	1.01	1.01	0.68	0.68	0.68	0.68	0.68
210.0	8.79	6.76	5.41	4.40	3.72	3.04	2.70	2.70	2.03
225.0	10.82	9.47	7.44	7.10	6.76	6.42	6.09	5.75	5.41
240.0	13.19	12.17	11.50	10.48	9.47	9.13	9.13	8.11	8.11
255.0	11.16	10.14	8.45	7.44	7.44	7.44	7.44	7.10	6.76
270.0	2.70	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	11.16	10.14	8.45	7.44	7.44	7.44	7.44	7.10	6.76
300.0	13.19	12.17	11.50	10.48	9.47	9.13	9.13	8.11	8.11
315.0	10.82	9.47	7.44	7.10	6.76	6.42	6.09	5.75	5.41
330.0	8.79	6.76	5.41	4.40	3.72	3.04	2.70	2.70	2.03
345.0	3.38	1.69	1.01	1.01	0.68	0.68	0.68	0.68	0.68
360.0	3.38	2.70	1.35	0.68	0.68	0.68	0.68	0.68	0.68
C/ $\gamma(^{\circ})$	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.68
15.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
30.0	2.03	2.03	2.03	2.03	2.03	1.69	1.35	1.35	1.35
45.0	5.07	4.73	4.06	3.72	3.38	2.70	2.70	2.70	2.37
60.0	7.44	7.44	6.42	6.09	5.41	4.73	4.40	3.72	3.72
75.0	6.76	6.76	6.09	5.41	5.41	5.07	4.40	4.06	3.72
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	6.76	6.76	6.09	5.41	5.41	5.07	4.40	4.06	3.72
120.0	7.44	7.44	6.42	6.09	5.41	4.73	4.40	3.72	3.72
135.0	5.07	4.73	4.06	3.72	3.38	2.70	2.70	2.70	2.37
150.0	2.03	2.03	2.03	2.03	2.03	1.69	1.35	1.35	1.35
165.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
180.0	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.68
195.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
210.0	2.03	2.03	2.03	2.03	2.03	1.69	1.35	1.35	1.35
225.0	5.07	4.73	4.06	3.72	3.38	2.70	2.70	2.70	2.37
240.0	7.44	7.44	6.42	6.09	5.41	4.73	4.40	3.72	3.72
255.0	6.76	6.76	6.09	5.41	5.41	5.07	4.40	4.06	3.72
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	6.76	6.76	6.09	5.41	5.41	5.07	4.40	4.06	3.72
300.0	7.44	7.44	6.42	6.09	5.41	4.73	4.40	3.72	3.72
315.0	5.07	4.73	4.06	3.72	3.38	2.70	2.70	2.70	2.37
330.0	2.03	2.03	2.03	2.03	2.03	1.69	1.35	1.35	1.35
345.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
360.0	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.68

C/ γ (°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
15.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
30.0	1.35	1.35	1.35	1.35	1.01	0.68	0.68	0.68	0.68
45.0	2.37	1.69	1.69	1.35	1.35	0.68	0.68	0.68	0.68
60.0	3.04	2.37	2.37	2.03	2.03	2.03	1.69	1.35	1.35
75.0	3.38	3.04	2.70	2.37	2.37	2.03	1.69	1.69	1.69
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	3.38	3.04	2.70	2.37	2.37	2.03	1.69	1.69	1.69
120.0	3.04	2.37	2.37	2.03	2.03	2.03	1.69	1.35	1.35
135.0	2.37	1.69	1.69	1.35	1.35	0.68	0.68	0.68	0.68
150.0	1.35	1.35	1.35	1.35	1.01	0.68	0.68	0.68	0.68
165.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
180.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
195.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
210.0	1.35	1.35	1.35	1.35	1.01	0.68	0.68	0.68	0.68
225.0	2.37	1.69	1.69	1.35	1.35	0.68	0.68	0.68	0.68
240.0	3.04	2.37	2.37	2.03	2.03	2.03	1.69	1.35	1.35
255.0	3.38	3.04	2.70	2.37	2.37	2.03	1.69	1.69	1.69
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	3.38	3.04	2.70	2.37	2.37	2.03	1.69	1.69	1.69
300.0	3.04	2.37	2.37	2.03	2.03	2.03	1.69	1.35	1.35
315.0	2.37	1.69	1.69	1.35	1.35	0.68	0.68	0.68	0.68
330.0	1.35	1.35	1.35	1.35	1.01	0.68	0.68	0.68	0.68
345.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
360.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
C/ γ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.68	0.68	0.68	0.68	1.35	1.35	1.35	1.35	1.35
15.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
30.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
45.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
60.0	1.35	1.35	1.01	1.01	0.68	0.68	0.68	0.68	0.68
75.0	1.01	1.01	1.01	1.01	0.68	0.68	0.68	0.68	0.68
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	1.01	1.01	1.01	1.01	0.68	0.68	0.68	0.68	0.68
120.0	1.35	1.35	1.01	1.01	0.68	0.68	0.68	0.68	0.68
135.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
150.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
165.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
180.0	0.68	0.68	0.68	0.68	1.35	1.35	1.35	1.35	1.35
195.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
210.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
225.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
240.0	1.35	1.35	1.01	1.01	0.68	0.68	0.68	0.68	0.68
255.0	1.01	1.01	1.01	1.01	0.68	0.68	0.68	0.68	0.68
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	1.01	1.01	1.01	1.01	0.68	0.68	0.68	0.68	0.68
300.0	1.35	1.35	1.01	1.01	0.68	0.68	0.68	0.68	0.68
315.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
330.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
345.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
360.0	0.68	0.68	0.68	0.68	1.35	1.35	1.35	1.35	1.35

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.35	1.35	1.35	1.35	1.35	1.35	1.35	0.68	0.68
15.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
30.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
45.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
60.0	0.68	0.68	0.68	0.34	0.34	0.68	0.68	0.34	0.34
75.0	0.68	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.34
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.68	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.34
120.0	0.68	0.68	0.68	0.34	0.34	0.68	0.68	0.34	0.34
135.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
150.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
165.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
180.0	1.35	1.35	1.35	1.35	1.35	1.35	1.35	0.68	0.68
195.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
210.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
225.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
240.0	0.68	0.68	0.68	0.34	0.34	0.68	0.68	0.34	0.34
255.0	0.68	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.34
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.68	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.34
300.0	0.68	0.68	0.68	0.34	0.34	0.68	0.68	0.34	0.34
315.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
330.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
345.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
360.0	1.35	1.35	1.35	1.35	1.35	1.35	1.35	0.68	0.68

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.00
15.0	0.68	1.01	1.01	0.68	0.34	0.34	0.34	0.00	0.00
30.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.34
45.0	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.00	0.00
60.0	0.68	0.68	0.68	0.68	0.34	0.34	0.00	0.00	0.00
75.0	0.34	0.34	0.34	0.34	0.34	0.34	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	0.34	0.34	0.34	0.34	0.34	0.34	0.00	0.00	0.00
120.0	0.68	0.68	0.68	0.68	0.34	0.34	0.00	0.00	0.00
135.0	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.00	0.00
150.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.34
165.0	0.68	1.01	1.01	0.68	0.34	0.34	0.34	0.00	0.00
180.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.00
195.0	0.68	1.01	1.01	0.68	0.34	0.34	0.34	0.00	0.00
210.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.34
225.0	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.00	0.00
240.0	0.68	0.68	0.68	0.68	0.34	0.34	0.00	0.00	0.00
255.0	0.34	0.34	0.34	0.34	0.34	0.34	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	0.34	0.34	0.34	0.34	0.34	0.34	0.00	0.00	0.00
300.0	0.68	0.68	0.68	0.68	0.34	0.34	0.00	0.00	0.00
315.0	0.68	0.68	0.68	0.68	0.34	0.34	0.34	0.00	0.00
330.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.34
345.0	0.68	1.01	1.01	0.68	0.34	0.34	0.34	0.00	0.00
360.0	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	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	0.34	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	0.34	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	0.34	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	0.34	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

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