

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	48.000 W
Luminaire	:	0003010030 48W 4000K 6800lm PF	:	
LampCAT	:	Ballast type	:	
Lamp flux	:	6800.0 lm	:	Width : 348 mm
Number of Lamps	:	1	:	Length : 348 mm
Phm Type	:	C	:	Height : 0 mm

Photometric Results

Lumens(lm)	:	6800.00	Central intensity(cd)	:	1255.671
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2482.518
Luminous Efficacy(lm/W)	:	141.67	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	1255.671	0.000	0	0.00%	0.00%
1.0	1255.671	1.202	1.202	0.02%	0.02%
2.0	1259.437	3.610	4.812	0.05%	0.07%
3.0	1258.969	6.023	10.835	0.09%	0.16%
4.0	1258.409	8.426	19.261	0.12%	0.28%
5.0	1258.829	10.829	30.09	0.16%	0.44%
6.0	1257.474	13.224	43.314	0.19%	0.64%
7.0	1250.838	15.569	58.883	0.23%	0.87%
8.0	1247.147	17.878	76.761	0.26%	1.13%
9.0	1244.296	20.192	96.953	0.30%	1.43%
10.0	1234.016	22.428	119.38	0.33%	1.76%
11.0	1227.567	24.596	143.977	0.36%	2.12%
12.0	1219.015	26.745	170.721	0.39%	2.51%
13.0	1209.995	28.826	199.547	0.42%	2.93%
14.0	1203.407	30.891	230.439	0.45%	3.39%
15.0	1198.313	32.972	263.411	0.48%	3.87%
16.0	1191.350	35.015	298.426	0.51%	4.39%
17.0	1189.902	37.082	335.508	0.55%	4.93%
18.0	1195.790	39.335	374.843	0.58%	5.51%
19.0	1200.229	41.686	416.529	0.61%	6.13%
20.0	1212.613	44.162	460.691	0.65%	6.77%
21.0	1228.221	46.869	507.56	0.69%	7.46%
22.0	1243.735	49.675	557.235	0.73%	8.19%
23.0	1260.512	52.546	609.781	0.77%	8.97%
24.0	1288.550	55.732	665.512	0.82%	9.79%
25.0	1318.084	59.269	724.781	0.87%	10.66%
26.0	1342.290	62.798	787.58	0.92%	11.58%
27.0	1377.759	66.547	854.126	0.98%	12.56%
28.0	1421.732	70.877	925.004	1.04%	13.60%
29.0	1461.126	75.424	1000.427	1.11%	14.71%
30.0	1496.688	79.860	1080.288	1.17%	15.89%
31.0	1531.923	84.282	1164.57	1.24%	17.13%
32.0	1558.933	88.549	1253.119	1.30%	18.43%
33.0	1579.541	92.461	1345.58	1.36%	19.79%
34.0	1609.122	96.498	1442.078	1.42%	21.21%
35.0	1639.217	100.881	1542.959	1.48%	22.69%
36.0	1655.946	104.919	1647.878	1.54%	24.23%
37.0	1673.236	108.579	1756.457	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	1700.574	112.613	1869.07	1.66%	27.49%
39.0	1723.005	116.856	1985.927	1.72%	29.20%
40.0	1750.108	121.130	2107.056	1.78%	30.99%
41.0	1772.726	125.446	2232.503	1.84%	32.83%
42.0	1802.400	129.891	2362.394	1.91%	34.74%
43.0	1832.214	134.637	2497.03	1.98%	36.72%
44.0	1860.253	139.364	2636.394	2.05%	38.77%
45.0	1887.730	144.039	2780.434	2.12%	40.89%
46.0	1914.460	148.695	2929.129	2.19%	43.08%
47.0	1936.283	153.154	3082.283	2.25%	45.33%
48.0	1963.808	157.662	3239.945	2.32%	47.65%
49.0	1992.407	162.464	3402.409	2.39%	50.04%
50.0	2017.875	167.202	3569.612	2.46%	52.49%
51.0	2040.166	171.690	3741.301	2.52%	55.02%
52.0	2057.410	175.830	3917.131	2.59%	57.60%
53.0	2073.298	179.685	4096.817	2.64%	60.25%
54.0	2083.111	183.197	4280.014	2.69%	62.94%
55.0	2080.868	185.873	4465.887	2.73%	65.67%
56.0	2071.803	187.648	4653.534	2.76%	68.43%
57.0	2056.568	188.759	4842.293	2.78%	71.21%
58.0	2024.184	188.708	5031.002	2.78%	73.99%
59.0	1979.650	187.182	5218.183	2.75%	76.74%
60.0	1907.404	183.638	5401.821	2.70%	79.44%
61.0	1812.915	177.541	5579.362	2.61%	82.05%
62.0	1701.742	169.357	5748.719	2.49%	84.54%
63.0	1561.737	158.720	5907.439	2.33%	86.87%
64.0	1423.228	146.471	6053.91	2.15%	89.03%
65.0	1272.895	133.429	6187.339	1.96%	90.99%
66.0	1112.469	119.014	6306.354	1.75%	92.74%
67.0	938.818	103.144	6409.498	1.52%	94.26%
68.0	779.700	87.054	6496.553	1.28%	95.54%
69.0	621.143	71.464	6568.017	1.05%	96.59%
70.0	454.595	55.248	6623.265	0.81%	97.40%
71.0	334.358	40.777	6664.042	0.60%	98.00%
72.0	248.654	30.315	6694.357	0.45%	98.45%
73.0	160.520	21.397	6715.754	0.31%	98.76%
74.0	113.976	14.431	6730.185	0.21%	98.97%
75.0	84.769	10.501	6740.686	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	66.918	8.052	6748.738	0.12%	99.25%
77.0	54.862	6.493	6755.231	0.10%	99.34%
78.0	48.320	5.523	6760.754	0.08%	99.42%
79.0	43.039	4.909	6765.663	0.07%	99.50%
80.0	37.478	4.341	6770.004	0.06%	99.56%
81.0	33.086	3.816	6773.82	0.06%	99.61%
82.0	29.254	3.381	6777.2	0.05%	99.66%
83.0	25.281	2.965	6780.165	0.04%	99.71%
84.0	21.636	2.556	6782.721	0.04%	99.75%
85.0	18.926	2.214	6784.934	0.03%	99.78%
86.0	16.028	1.911	6786.845	0.03%	99.81%
87.0	13.178	1.598	6788.443	0.02%	99.83%
88.0	10.841	1.316	6789.759	0.02%	99.85%
89.0	8.879	1.081	6790.84	0.02%	99.87%
90.0	6.963	0.869	6791.709	0.01%	99.88%
91.0	5.841	0.702	6792.411	0.01%	99.89%
92.0	4.766	0.581	6792.992	0.01%	99.90%
93.0	4.252	0.494	6793.486	0.01%	99.90%
94.0	3.925	0.448	6793.934	0.01%	99.91%
95.0	3.738	0.419	6794.353	0.01%	99.92%
96.0	3.645	0.403	6794.755	0.01%	99.92%
97.0	3.411	0.384	6795.14	0.01%	99.93%
98.0	3.224	0.361	6795.501	0.01%	99.93%
99.0	3.084	0.342	6795.843	0.01%	99.94%
100.0	3.038	0.331	6796.174	0.00%	99.94%
101.0	2.710	0.310	6796.484	0.00%	99.95%
102.0	2.477	0.279	6796.762	0.00%	99.95%
103.0	2.337	0.258	6797.02	0.00%	99.96%
104.0	2.056	0.234	6797.254	0.00%	99.96%
105.0	1.869	0.208	6797.463	0.00%	99.96%
106.0	1.729	0.190	6797.653	0.00%	99.97%
107.0	1.683	0.179	6797.832	0.00%	99.97%
108.0	1.542	0.169	6798.001	0.00%	99.97%
109.0	1.308	0.148	6798.149	0.00%	99.97%
110.0	1.262	0.133	6798.282	0.00%	99.97%
111.0	1.122	0.122	6798.404	0.00%	99.98%
112.0	1.075	0.112	6798.516	0.00%	99.98%
113.0	0.888	0.099	6798.616	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	0.794	0.085	6798.7	0.00%	99.98%
115.0	0.748	0.077	6798.777	0.00%	99.98%
116.0	0.748	0.074	6798.851	0.00%	99.98%
117.0	0.654	0.069	6798.92	0.00%	99.98%
118.0	0.654	0.064	6798.984	0.00%	99.99%
119.0	0.608	0.061	6799.045	0.00%	99.99%
120.0	0.608	0.058	6799.103	0.00%	99.99%
121.0	0.561	0.055	6799.158	0.00%	99.99%
122.0	0.561	0.052	6799.21	0.00%	99.99%
123.0	0.561	0.052	6799.262	0.00%	99.99%
124.0	0.561	0.051	6799.313	0.00%	99.99%
125.0	0.561	0.051	6799.364	0.00%	99.99%
126.0	0.561	0.050	6799.414	0.00%	99.99%
127.0	0.561	0.049	6799.464	0.00%	99.99%
128.0	0.561	0.049	6799.512	0.00%	99.99%
129.0	0.514	0.046	6799.559	0.00%	99.99%
130.0	0.514	0.044	6799.602	0.00%	99.99%
131.0	0.514	0.043	6799.645	0.00%	99.99%
132.0	0.514	0.042	6799.687	0.00%	100.00%
133.0	0.421	0.038	6799.725	0.00%	100.00%
134.0	0.421	0.033	6799.758	0.00%	100.00%
135.0	0.467	0.035	6799.793	0.00%	100.00%
136.0	0.514	0.038	6799.831	0.00%	100.00%
137.0	0.514	0.039	6799.87	0.00%	100.00%
138.0	0.467	0.036	6799.906	0.00%	100.00%
139.0	0.327	0.029	6799.935	0.00%	100.00%
140.0	0.327	0.023	6799.958	0.00%	100.00%
141.0	0.234	0.020	6799.978	0.00%	100.00%
142.0	0.140	0.013	6799.99	0.00%	100.00%
143.0	0.047	0.006	6799.997	0.00%	100.00%
144.0	0.047	0.003	6800	0.00%	100.00%
145.0	0.000	0.001	6800.001	0.00%	100.00%
146.0	0.000	0.000	6800.001	0.00%	100.00%
147.0	0.000	0.000	6800.001	0.00%	100.00%
148.0	0.000	0.000	6800.001	0.00%	100.00%
149.0	0.000	0.000	6800.001	0.00%	100.00%
150.0	0.000	0.000	6800.001	0.00%	100.00%
151.0	0.000	0.000	6800.001	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	6800.001	0.00%	100.00%
153.0	0.000	0.000	6800.001	0.00%	100.00%
154.0	0.000	0.000	6800.001	0.00%	100.00%
155.0	0.000	0.000	6800.001	0.00%	100.00%
156.0	0.000	0.000	6800.001	0.00%	100.00%
157.0	0.000	0.000	6800.001	0.00%	100.00%
158.0	0.000	0.000	6800.001	0.00%	100.00%
159.0	0.000	0.000	6800.001	0.00%	100.00%
160.0	0.000	0.000	6800.001	0.00%	100.00%
161.0	0.000	0.000	6800.001	0.00%	100.00%
162.0	0.000	0.000	6800.001	0.00%	100.00%
163.0	0.000	0.000	6800.001	0.00%	100.00%
164.0	0.000	0.000	6800.001	0.00%	100.00%
165.0	0.000	0.000	6800.001	0.00%	100.00%
166.0	0.000	0.000	6800.001	0.00%	100.00%
167.0	0.000	0.000	6800.001	0.00%	100.00%
168.0	0.000	0.000	6800.001	0.00%	100.00%
169.0	0.000	0.000	6800.001	0.00%	100.00%
170.0	0.000	0.000	6800.001	0.00%	100.00%
171.0	0.000	0.000	6800.001	0.00%	100.00%
172.0	0.000	0.000	6800.001	0.00%	100.00%
173.0	0.000	0.000	6800.001	0.00%	100.00%
174.0	0.000	0.000	6800.001	0.00%	100.00%
175.0	0.000	0.000	6800.001	0.00%	100.00%
176.0	0.000	0.000	6800.001	0.00%	100.00%
177.0	0.000	0.000	6800.001	0.00%	100.00%
178.0	0.000	0.000	6800.001	0.00%	100.00%
179.0	0.000	0.000	6800.001	0.00%	100.00%
180.0	0.000	0.000	6800.001	0.00%	100.00%

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

Date:
Humidity(%): 56%

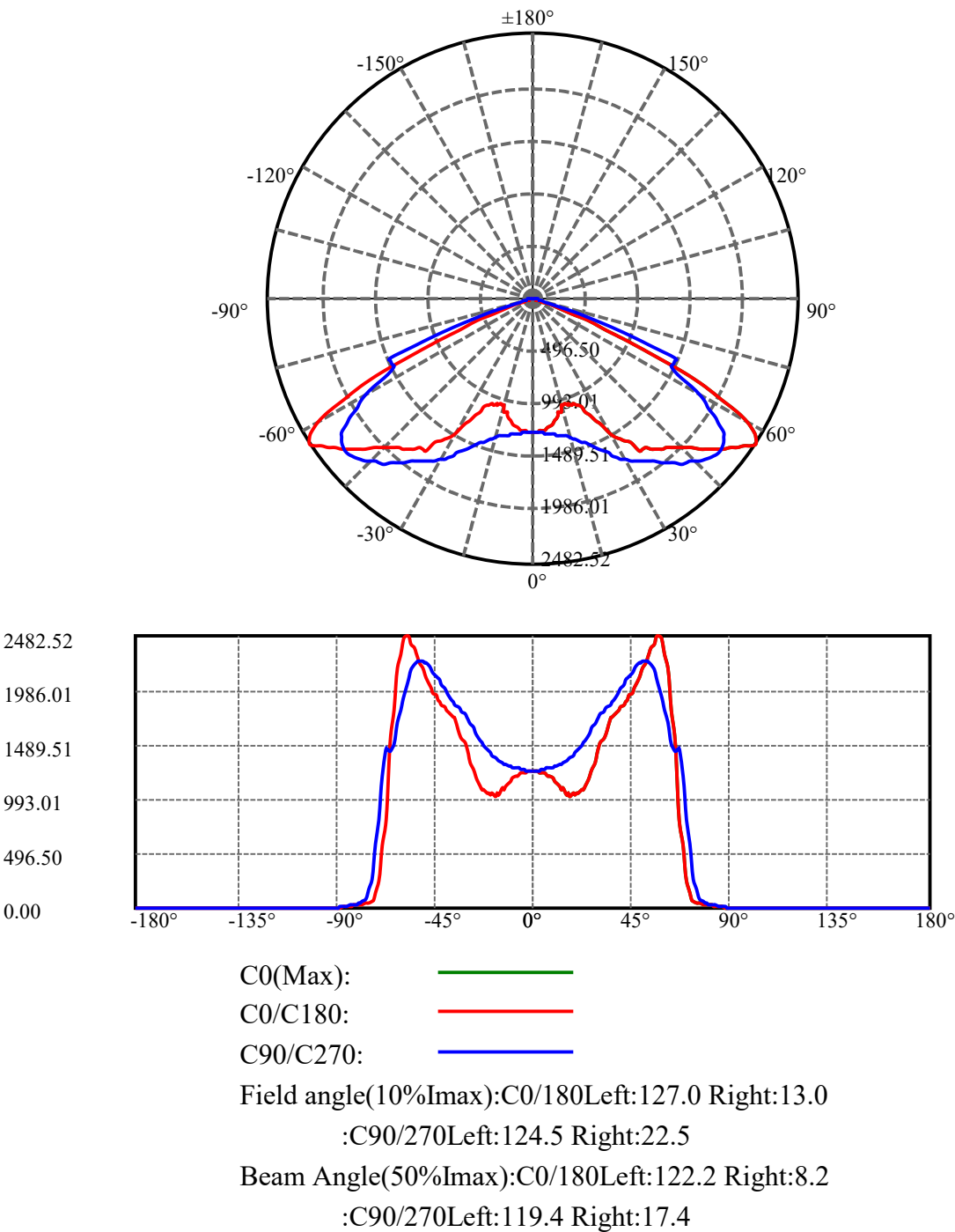
Operator: LSC

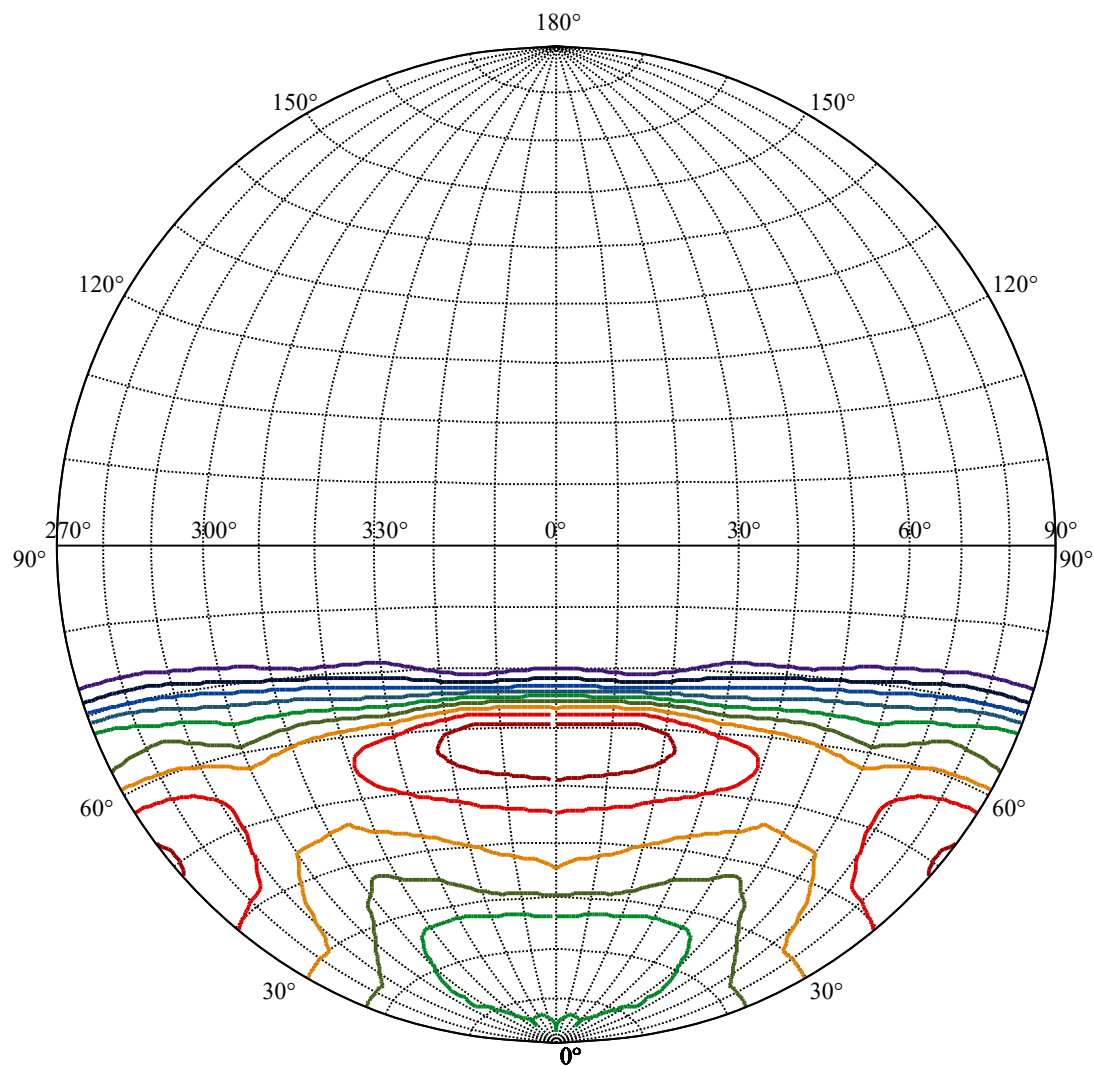
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1080.29	15.89%	15.89%
0-40	2107.06	30.99%	30.99%
0-60	5401.82	79.44%	79.44%
0-90	6791.71	99.88%	99.88%
0-120	6799.10	99.99%	99.99%
0-180	6800.00	100.00%	100.00%
60-90	1389.89	20.44%	20.44%
90-120	7.39	0.11%	0.11%
90-130	7.89	0.12%	0.12%
90-150	8.29	0.12%	0.12%
90-180	8.29	0.12%	0.12%
0-60.22	5440.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	119.38
10-20	341.31
20-30	619.60
30-40	1026.77
40-50	1462.56
50-60	1832.21
60-70	1221.44
70-80	146.74
80-90	21.71
90-100	4.47
100-110	2.11
110-120	0.82
120-130	0.50
130-140	0.36
140-150	0.04
150-160	0.00
160-170	0.00
170-180	0.00



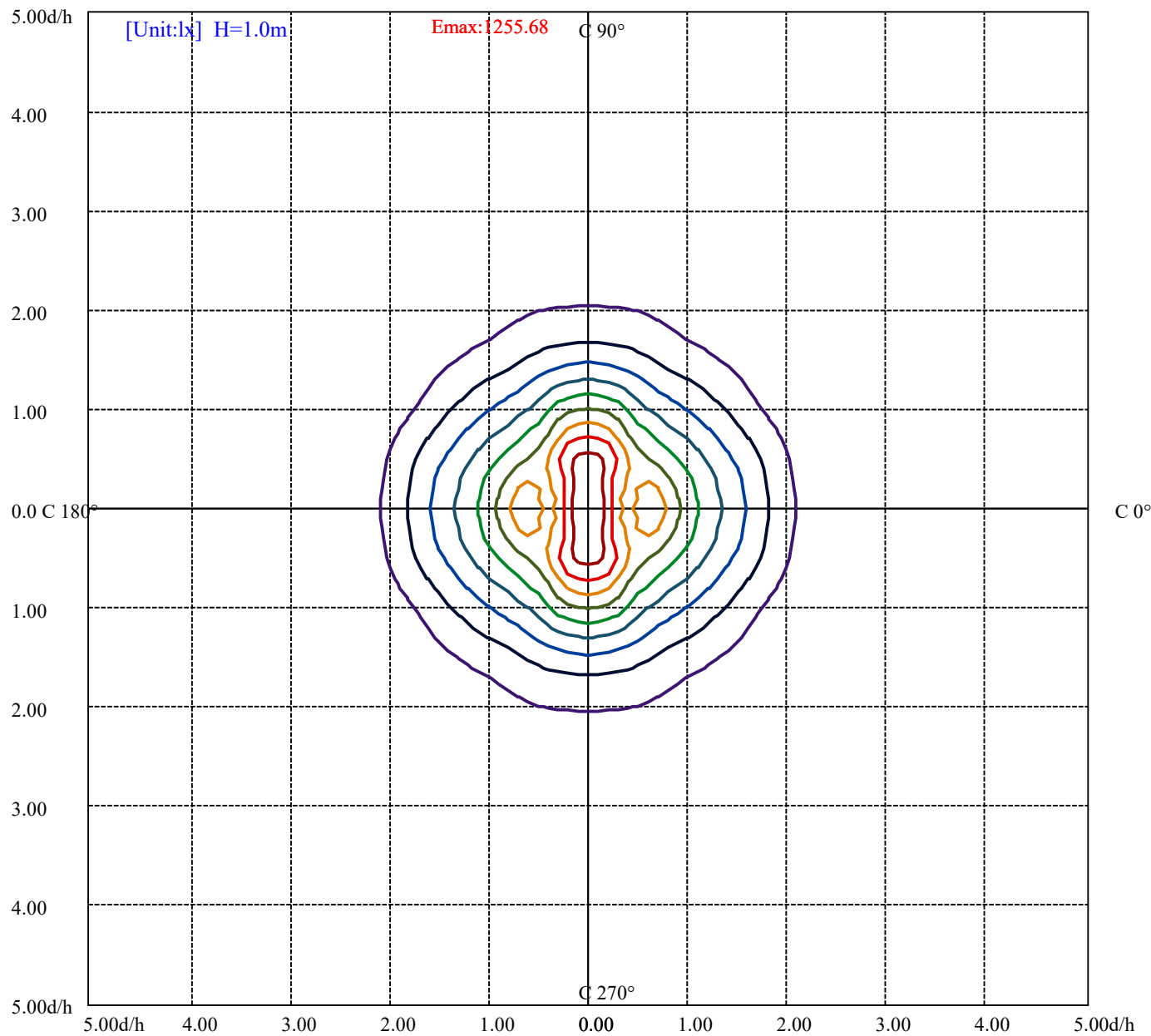


House

[Unit:cd]

Road

	Imax:2482.52	
(10%Imax)	248.252	—
(20%Imax)	496.504	—
(30%Imax)	744.755	—
(40%Imax)	993.007	—
(50%Imax)	1241.26	—
(60%Imax)	1489.51	—
(70%Imax)	1737.76	—
(80%Imax)	1986.01	—
(90%Imax)	2234.27	—



(10%Emax)	125.567	
(20%Emax)	251.134	
(30%Emax)	376.701	
(40%Emax)	502.268	
(50%Emax)	627.836	
(60%Emax)	753.403	
(70%Emax)	878.97	
(80%Emax)	1004.54	
(90%Emax)	1130.1	

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	1255.67	1255.67	1248.27	1238.17	1239.30	1238.17	1224.16	1206.77	1197.24
15.0	1255.67	1255.67	1258.64	1262.29	1262.29	1260.61	1249.95	1239.30	1227.24
30.0	1255.67	1255.67	1251.91	1249.67	1244.06	1240.14	1240.98	1224.16	1223.87
45.0	1255.67	1255.67	1269.86	1269.58	1266.49	1267.61	1270.14	1263.13	1246.31
60.0	1255.67	1255.67	1249.95	1249.67	1251.35	1253.60	1254.72	1251.91	1257.52
75.0	1255.67	1255.67	1276.59	1276.87	1277.99	1278.55	1280.79	1285.00	1288.36
90.0	1255.67	1255.67	1251.07	1253.31	1257.24	1266.77	1272.38	1276.31	1281.91
105.0	1255.67	1255.67	1276.59	1276.87	1277.99	1278.55	1280.79	1285.00	1288.36
120.0	1255.67	1255.67	1249.95	1249.67	1251.35	1253.60	1254.72	1251.91	1257.52
135.0	1255.67	1255.67	1269.86	1269.58	1266.49	1267.61	1270.14	1263.13	1246.31
150.0	1255.67	1255.67	1251.91	1249.67	1244.06	1240.14	1240.98	1224.16	1223.87
165.0	1255.67	1255.67	1258.64	1262.29	1262.29	1260.61	1249.95	1239.30	1227.24
180.0	1255.67	1255.67	1248.27	1238.17	1239.30	1238.17	1224.16	1206.77	1197.24
195.0	1255.67	1255.67	1258.64	1262.29	1262.29	1260.61	1249.95	1239.30	1227.24
210.0	1255.67	1255.67	1251.91	1249.67	1244.06	1240.14	1240.98	1224.16	1223.87
225.0	1255.67	1255.67	1269.86	1269.58	1266.49	1267.61	1270.14	1263.13	1246.31
240.0	1255.67	1255.67	1249.95	1249.67	1251.35	1253.60	1254.72	1251.91	1257.52
255.0	1255.67	1255.67	1276.59	1276.87	1277.99	1278.55	1280.79	1285.00	1288.36
270.0	1255.67	1255.67	1251.07	1253.31	1257.24	1266.77	1272.38	1276.31	1281.91
285.0	1255.67	1255.67	1276.59	1276.87	1277.99	1278.55	1280.79	1285.00	1288.36
300.0	1255.67	1255.67	1249.95	1249.67	1251.35	1253.60	1254.72	1251.91	1257.52
315.0	1255.67	1255.67	1269.86	1269.58	1266.49	1267.61	1270.14	1263.13	1246.31
330.0	1255.67	1255.67	1251.91	1249.67	1244.06	1240.14	1240.98	1224.16	1223.87
345.0	1255.67	1255.67	1258.64	1262.29	1262.29	1260.61	1249.95	1239.30	1227.24
360.0	1255.67	1255.67	1248.27	1238.17	1239.30	1238.17	1224.16	1206.77	1197.24

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1183.22	1154.62	1146.21	1117.61	1085.65	1090.69	1036.30	1041.35	1023.96
15.0	1217.71	1189.11	1168.36	1148.17	1111.44	1069.94	1057.89	1033.78	1017.51
30.0	1215.18	1196.68	1179.86	1172.56	1158.83	1145.93	1133.03	1104.43	1088.73
45.0	1244.34	1237.33	1235.37	1214.90	1214.06	1204.81	1193.87	1176.77	1173.41
60.0	1260.60	1259.20	1257.52	1256.12	1255.56	1266.21	1268.74	1271.82	1280.79
75.0	1293.13	1298.18	1301.82	1310.51	1319.77	1325.65	1345.84	1361.54	1378.37
90.0	1286.40	1292.57	1298.74	1306.03	1315.00	1325.09	1344.72	1358.18	1377.25
105.0	1293.13	1298.18	1301.82	1310.51	1319.77	1325.65	1345.84	1361.54	1378.37
120.0	1260.60	1259.20	1257.52	1256.12	1255.56	1266.21	1268.74	1271.82	1280.79
135.0	1244.34	1237.33	1235.37	1214.90	1214.06	1204.81	1193.87	1176.77	1173.41
150.0	1215.18	1196.68	1179.86	1172.56	1158.83	1145.93	1133.03	1104.43	1088.73
165.0	1217.71	1189.11	1168.36	1148.17	1111.44	1069.94	1057.89	1033.78	1017.51
180.0	1183.22	1154.62	1146.21	1117.61	1085.65	1090.69	1036.30	1041.35	1023.96
195.0	1217.71	1189.11	1168.36	1148.17	1111.44	1069.94	1057.89	1033.78	1017.51
210.0	1215.18	1196.68	1179.86	1172.56	1158.83	1145.93	1133.03	1104.43	1088.73
225.0	1244.34	1237.33	1235.37	1214.90	1214.06	1204.81	1193.87	1176.77	1173.41
240.0	1260.60	1259.20	1257.52	1256.12	1255.56	1266.21	1268.74	1271.82	1280.79
255.0	1293.13	1298.18	1301.82	1310.51	1319.77	1325.65	1345.84	1361.54	1378.37
270.0	1286.40	1292.57	1298.74	1306.03	1315.00	1325.09	1344.72	1358.18	1377.25
285.0	1293.13	1298.18	1301.82	1310.51	1319.77	1325.65	1345.84	1361.54	1378.37
300.0	1260.60	1259.20	1257.52	1256.12	1255.56	1266.21	1268.74	1271.82	1280.79
315.0	1244.34	1237.33	1235.37	1214.90	1214.06	1204.81	1193.87	1176.77	1173.41
330.0	1215.18	1196.68	1179.86	1172.56	1158.83	1145.93	1133.03	1104.43	1088.73
345.0	1217.71	1189.11	1168.36	1148.17	1111.44	1069.94	1057.89	1033.78	1017.51
360.0	1183.22	1154.62	1146.21	1117.61	1085.65	1090.69	1036.30	1041.35	1023.96

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	1049.76	1032.37	1055.93	1054.24	1081.72	1077.79	1112.00	1165.27	1221.91
15.0	1009.10	1005.74	1022.00	1047.51	1048.07	1071.35	1118.73	1167.52	1177.05
30.0	1077.24	1073.59	1069.66	1076.67	1080.88	1101.07	1125.18	1138.92	1163.31
45.0	1178.45	1182.38	1184.34	1189.39	1197.24	1193.59	1204.81	1226.96	1242.66
60.0	1292.01	1302.66	1318.93	1338.83	1371.36	1395.75	1419.30	1436.13	1450.15
75.0	1396.03	1414.26	1435.56	1461.64	1484.35	1509.59	1540.99	1567.63	1606.04
90.0	1394.07	1413.13	1434.44	1456.31	1479.30	1505.66	1532.58	1577.44	1607.16
105.0	1396.03	1414.26	1435.56	1461.64	1484.35	1509.59	1540.99	1567.63	1606.04
120.0	1292.01	1302.66	1318.93	1338.83	1371.36	1395.75	1419.30	1436.13	1450.15
135.0	1178.45	1182.38	1184.34	1189.39	1197.24	1193.59	1204.81	1226.96	1242.66
150.0	1077.24	1073.59	1069.66	1076.67	1080.88	1101.07	1125.18	1138.92	1163.31
165.0	1009.10	1005.74	1022.00	1047.51	1048.07	1071.35	1118.73	1167.52	1177.05
180.0	1049.76	1032.37	1055.93	1054.24	1081.72	1077.79	1112.00	1165.27	1221.91
195.0	1009.10	1005.74	1022.00	1047.51	1048.07	1071.35	1118.73	1167.52	1177.05
210.0	1077.24	1073.59	1069.66	1076.67	1080.88	1101.07	1125.18	1138.92	1163.31
225.0	1178.45	1182.38	1184.34	1189.39	1197.24	1193.59	1204.81	1226.96	1242.66
240.0	1292.01	1302.66	1318.93	1338.83	1371.36	1395.75	1419.30	1436.13	1450.15
255.0	1396.03	1414.26	1435.56	1461.64	1484.35	1509.59	1540.99	1567.63	1606.04
270.0	1394.07	1413.13	1434.44	1456.31	1479.30	1505.66	1532.58	1577.44	1607.16
285.0	1396.03	1414.26	1435.56	1461.64	1484.35	1509.59	1540.99	1567.63	1606.04
300.0	1292.01	1302.66	1318.93	1338.83	1371.36	1395.75	1419.30	1436.13	1450.15
315.0	1178.45	1182.38	1184.34	1189.39	1197.24	1193.59	1204.81	1226.96	1242.66
330.0	1077.24	1073.59	1069.66	1076.67	1080.88	1101.07	1125.18	1138.92	1163.31
345.0	1009.10	1005.74	1022.00	1047.51	1048.07	1071.35	1118.73	1167.52	1177.05
360.0	1049.76	1032.37	1055.93	1054.24	1081.72	1077.79	1112.00	1165.27	1221.91
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1271.82	1331.82	1400.80	1468.65	1512.95	1542.67	1575.76	1626.23	1733.33
15.0	1238.17	1294.81	1371.92	1428.56	1487.72	1550.52	1591.46	1638.28	1660.43
30.0	1205.09	1253.60	1286.12	1316.68	1369.67	1390.42	1419.02	1463.04	1501.46
45.0	1255.84	1307.71	1326.78	1351.17	1375.00	1386.22	1392.95	1410.33	1440.33
60.0	1470.61	1501.46	1521.08	1544.07	1557.81	1573.79	1579.96	1597.63	1609.68
75.0	1634.64	1666.60	1706.14	1735.29	1760.81	1786.33	1799.22	1813.80	1829.22
90.0	1652.58	1680.62	1708.66	1740.06	1768.10	1789.97	1813.52	1837.07	1855.02
105.0	1634.64	1666.60	1706.14	1735.29	1760.81	1786.33	1799.22	1813.80	1829.22
120.0	1470.61	1501.46	1521.08	1544.07	1557.81	1573.79	1579.96	1597.63	1609.68
135.0	1255.84	1307.71	1326.78	1351.17	1375.00	1386.22	1392.95	1410.33	1440.33
150.0	1205.09	1253.60	1286.12	1316.68	1369.67	1390.42	1419.02	1463.04	1501.46
165.0	1238.17	1294.81	1371.92	1428.56	1487.72	1550.52	1591.46	1638.28	1660.43
180.0	1271.82	1331.82	1400.80	1468.65	1512.95	1542.67	1575.76	1626.23	1733.33
195.0	1238.17	1294.81	1371.92	1428.56	1487.72	1550.52	1591.46	1638.28	1660.43
210.0	1205.09	1253.60	1286.12	1316.68	1369.67	1390.42	1419.02	1463.04	1501.46
225.0	1255.84	1307.71	1326.78	1351.17	1375.00	1386.22	1392.95	1410.33	1440.33
240.0	1470.61	1501.46	1521.08	1544.07	1557.81	1573.79	1579.96	1597.63	1609.68
255.0	1634.64	1666.60	1706.14	1735.29	1760.81	1786.33	1799.22	1813.80	1829.22
270.0	1652.58	1680.62	1708.66	1740.06	1768.10	1789.97	1813.52	1837.07	1855.02
285.0	1634.64	1666.60	1706.14	1735.29	1760.81	1786.33	1799.22	1813.80	1829.22
300.0	1470.61	1501.46	1521.08	1544.07	1557.81	1573.79	1579.96	1597.63	1609.68
315.0	1255.84	1307.71	1326.78	1351.17	1375.00	1386.22	1392.95	1410.33	1440.33
330.0	1205.09	1253.60	1286.12	1316.68	1369.67	1390.42	1419.02	1463.04	1501.46
345.0	1238.17	1294.81	1371.92	1428.56	1487.72	1550.52	1591.46	1638.28	1660.43
360.0	1271.82	1331.82	1400.80	1468.65	1512.95	1542.67	1575.76	1626.23	1733.33

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	1743.43	1750.72	1786.61	1807.35	1838.76	1855.58	1875.21	1903.81	1937.45
15.0	1677.82	1703.33	1722.68	1742.87	1765.30	1795.58	1820.53	1851.37	1882.50
30.0	1526.41	1560.62	1597.63	1628.19	1663.52	1692.96	1717.35	1748.75	1776.51
45.0	1463.32	1471.73	1510.43	1522.20	1553.89	1570.43	1609.40	1654.26	1692.96
60.0	1606.04	1608.28	1613.05	1638.00	1657.07	1669.13	1693.52	1715.67	1733.33
75.0	1851.94	1870.72	1896.52	1918.95	1942.50	1966.33	1998.30	2021.85	2049.33
90.0	1876.89	1898.76	1939.70	1968.29	1998.02	2028.30	2075.40	2098.95	2116.34
105.0	1851.94	1870.72	1896.52	1918.95	1942.50	1966.33	1998.30	2021.85	2049.33
120.0	1606.04	1608.28	1613.05	1638.00	1657.07	1669.13	1693.52	1715.67	1733.33
135.0	1463.32	1471.73	1510.43	1522.20	1553.89	1570.43	1609.40	1654.26	1692.96
150.0	1526.41	1560.62	1597.63	1628.19	1663.52	1692.96	1717.35	1748.75	1776.51
165.0	1677.82	1703.33	1722.68	1742.87	1765.30	1795.58	1820.53	1851.37	1882.50
180.0	1743.43	1750.72	1786.61	1807.35	1838.76	1855.58	1875.21	1903.81	1937.45
195.0	1677.82	1703.33	1722.68	1742.87	1765.30	1795.58	1820.53	1851.37	1882.50
210.0	1526.41	1560.62	1597.63	1628.19	1663.52	1692.96	1717.35	1748.75	1776.51
225.0	1463.32	1471.73	1510.43	1522.20	1553.89	1570.43	1609.40	1654.26	1692.96
240.0	1606.04	1608.28	1613.05	1638.00	1657.07	1669.13	1693.52	1715.67	1733.33
255.0	1851.94	1870.72	1896.52	1918.95	1942.50	1966.33	1998.30	2021.85	2049.33
270.0	1876.89	1898.76	1939.70	1968.29	1998.02	2028.30	2075.40	2098.95	2116.34
285.0	1851.94	1870.72	1896.52	1918.95	1942.50	1966.33	1998.30	2021.85	2049.33
300.0	1606.04	1608.28	1613.05	1638.00	1657.07	1669.13	1693.52	1715.67	1733.33
315.0	1463.32	1471.73	1510.43	1522.20	1553.89	1570.43	1609.40	1654.26	1692.96
330.0	1526.41	1560.62	1597.63	1628.19	1663.52	1692.96	1717.35	1748.75	1776.51
345.0	1677.82	1703.33	1722.68	1742.87	1765.30	1795.58	1820.53	1851.37	1882.50
360.0	1743.43	1750.72	1786.61	1807.35	1838.76	1855.58	1875.21	1903.81	1937.45
C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	1964.37	2006.99	2039.51	2097.27	2138.21	2182.51	2229.61	2276.72	2324.94
15.0	1916.42	1956.80	1996.33	2026.62	2072.32	2128.11	2166.53	2203.54	2239.15
30.0	1811.00	1848.29	1880.53	1911.66	1960.44	1987.36	2026.33	2058.58	2084.93
45.0	1717.91	1732.49	1742.30	1774.83	1794.18	1824.74	1855.86	1877.17	1891.47
60.0	1755.76	1765.30	1774.55	1791.65	1810.16	1821.09	1825.58	1826.14	1836.51
75.0	2071.20	2092.22	2105.40	2114.94	2126.99	2128.95	2125.31	2115.78	2106.52
90.0	2143.82	2176.34	2197.65	2229.05	2242.51	2251.48	2253.16	2249.80	2237.46
105.0	2071.20	2092.22	2105.40	2114.94	2126.99	2128.95	2125.31	2115.78	2106.52
120.0	1755.76	1765.30	1774.55	1791.65	1810.16	1821.09	1825.58	1826.14	1836.51
135.0	1717.91	1732.49	1742.30	1774.83	1794.18	1824.74	1855.86	1877.17	1891.47
150.0	1811.00	1848.29	1880.53	1911.66	1960.44	1987.36	2026.33	2058.58	2084.93
165.0	1916.42	1956.80	1996.33	2026.62	2072.32	2128.11	2166.53	2203.54	2239.15
180.0	1964.37	2006.99	2039.51	2097.27	2138.21	2182.51	2229.61	2276.72	2324.94
195.0	1916.42	1956.80	1996.33	2026.62	2072.32	2128.11	2166.53	2203.54	2239.15
210.0	1811.00	1848.29	1880.53	1911.66	1960.44	1987.36	2026.33	2058.58	2084.93
225.0	1717.91	1732.49	1742.30	1774.83	1794.18	1824.74	1855.86	1877.17	1891.47
240.0	1755.76	1765.30	1774.55	1791.65	1810.16	1821.09	1825.58	1826.14	1836.51
255.0	2071.20	2092.22	2105.40	2114.94	2126.99	2128.95	2125.31	2115.78	2106.52
270.0	2143.82	2176.34	2197.65	2229.05	2242.51	2251.48	2253.16	2249.80	2237.46
285.0	2071.20	2092.22	2105.40	2114.94	2126.99	2128.95	2125.31	2115.78	2106.52
300.0	1755.76	1765.30	1774.55	1791.65	1810.16	1821.09	1825.58	1826.14	1836.51
315.0	1717.91	1732.49	1742.30	1774.83	1794.18	1824.74	1855.86	1877.17	1891.47
330.0	1811.00	1848.29	1880.53	1911.66	1960.44	1987.36	2026.33	2058.58	2084.93
345.0	1916.42	1956.80	1996.33	2026.62	2072.32	2128.11	2166.53	2203.54	2239.15
360.0	1964.37	2006.99	2039.51	2097.27	2138.21	2182.51	2229.61	2276.72	2324.94

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	2369.80	2410.74	2459.53	2482.52	2460.65	2410.18	2319.90	2186.99	2012.60
15.0	2277.56	2310.92	2338.12	2362.51	2368.68	2370.65	2309.24	2225.97	2097.83
30.0	2104.84	2111.57	2113.25	2102.88	2071.76	2022.41	1944.74	1843.80	1670.53
45.0	1902.12	1904.65	1899.32	1890.07	1877.73	1840.16	1786.04	1686.79	1595.94
60.0	1836.23	1822.49	1798.38	1765.58	1721.28	1657.07	1593.42	1489.12	1412.57
75.0	2085.50	2039.79	1999.14	1955.12	1904.09	1844.36	1751.56	1688.47	1634.92
90.0	2215.03	2180.83	2105.68	2044.00	1942.50	1876.33	1798.94	1699.69	1584.73
105.0	2085.50	2039.79	1999.14	1955.12	1904.09	1844.36	1751.56	1688.47	1634.92
120.0	1836.23	1822.49	1798.38	1765.58	1721.28	1657.07	1593.42	1489.12	1412.57
135.0	1902.12	1904.65	1899.32	1890.07	1877.73	1840.16	1786.04	1686.79	1595.94
150.0	2104.84	2111.57	2113.25	2102.88	2071.76	2022.41	1944.74	1843.80	1670.53
165.0	2277.56	2310.92	2338.12	2362.51	2368.68	2370.65	2309.24	2225.97	2097.83
180.0	2369.80	2410.74	2459.53	2482.52	2460.65	2410.18	2319.90	2186.99	2012.60
195.0	2277.56	2310.92	2338.12	2362.51	2368.68	2370.65	2309.24	2225.97	2097.83
210.0	2104.84	2111.57	2113.25	2102.88	2071.76	2022.41	1944.74	1843.80	1670.53
225.0	1902.12	1904.65	1899.32	1890.07	1877.73	1840.16	1786.04	1686.79	1595.94
240.0	1836.23	1822.49	1798.38	1765.58	1721.28	1657.07	1593.42	1489.12	1412.57
255.0	2085.50	2039.79	1999.14	1955.12	1904.09	1844.36	1751.56	1688.47	1634.92
270.0	2215.03	2180.83	2105.68	2044.00	1942.50	1876.33	1798.94	1699.69	1584.73
285.0	2085.50	2039.79	1999.14	1955.12	1904.09	1844.36	1751.56	1688.47	1634.92
300.0	1836.23	1822.49	1798.38	1765.58	1721.28	1657.07	1593.42	1489.12	1412.57
315.0	1902.12	1904.65	1899.32	1890.07	1877.73	1840.16	1786.04	1686.79	1595.94
330.0	2104.84	2111.57	2113.25	2102.88	2071.76	2022.41	1944.74	1843.80	1670.53
345.0	2277.56	2310.92	2338.12	2362.51	2368.68	2370.65	2309.24	2225.97	2097.83
360.0	2369.80	2410.74	2459.53	2482.52	2460.65	2410.18	2319.90	2186.99	2012.60

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1808.48	1576.32	1329.58	974.05	753.67	564.69	388.05	243.93	142.44
15.0	1854.46	1611.93	1328.74	1027.05	668.15	424.50	239.17	104.02	79.35
30.0	1482.95	1317.52	1111.72	957.51	813.39	679.09	506.93	400.11	279.54
45.0	1488.00	1339.67	1210.42	1076.95	941.25	799.37	605.63	437.40	266.08
60.0	1328.74	1258.08	1190.79	1108.08	995.08	863.86	736.29	549.27	432.91
75.0	1567.06	1503.42	1410.33	1292.01	1120.69	1031.25	939.01	715.26	580.96
90.0	1489.96	1441.17	1441.17	1452.39	1435.00	1195.56	1011.62	799.09	592.17
105.0	1567.06	1503.42	1410.33	1292.01	1120.69	1031.25	939.01	715.26	580.96
120.0	1328.74	1258.08	1190.79	1108.08	995.08	863.86	736.29	549.27	432.91
135.0	1488.00	1339.67	1210.42	1076.95	941.25	799.37	605.63	437.40	266.08
150.0	1482.95	1317.52	1111.72	957.51	813.39	679.09	506.93	400.11	279.54
165.0	1854.46	1611.93	1328.74	1027.05	668.15	424.50	239.17	104.02	79.35
180.0	1808.48	1576.32	1329.58	974.05	753.67	564.69	388.05	243.93	142.44
195.0	1854.46	1611.93	1328.74	1027.05	668.15	424.50	239.17	104.02	79.35
210.0	1482.95	1317.52	1111.72	957.51	813.39	679.09	506.93	400.11	279.54
225.0	1488.00	1339.67	1210.42	1076.95	941.25	799.37	605.63	437.40	266.08
240.0	1328.74	1258.08	1190.79	1108.08	995.08	863.86	736.29	549.27	432.91
255.0	1567.06	1503.42	1410.33	1292.01	1120.69	1031.25	939.01	715.26	580.96
270.0	1489.96	1441.17	1441.17	1452.39	1435.00	1195.56	1011.62	799.09	592.17
285.0	1567.06	1503.42	1410.33	1292.01	1120.69	1031.25	939.01	715.26	580.96
300.0	1328.74	1258.08	1190.79	1108.08	995.08	863.86	736.29	549.27	432.91
315.0	1488.00	1339.67	1210.42	1076.95	941.25	799.37	605.63	437.40	266.08
330.0	1482.95	1317.52	1111.72	957.51	813.39	679.09	506.93	400.11	279.54
345.0	1854.46	1611.93	1328.74	1027.05	668.15	424.50	239.17	104.02	79.35
360.0	1808.48	1576.32	1329.58	974.05	753.67	564.69	388.05	243.93	142.44

C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	82.43	60.00	53.27	48.79	44.30	37.57	33.65	30.28	25.80
15.0	70.66	63.37	57.76	52.71	47.95	40.38	37.85	34.77	29.72
30.0	225.99	149.73	101.50	71.50	58.60	53.55	47.95	43.74	38.69
45.0	176.64	120.01	85.52	68.97	60.00	52.99	48.79	42.06	38.13
60.0	325.81	187.86	129.26	93.09	71.22	58.88	51.59	47.39	40.94
75.0	445.25	277.30	197.11	141.03	102.62	76.83	62.25	54.68	46.54
90.0	412.72	269.73	172.16	113.84	77.95	55.52	49.35	40.94	35.89
105.0	445.25	277.30	197.11	141.03	102.62	76.83	62.25	54.68	46.54
120.0	325.81	187.86	129.26	93.09	71.22	58.88	51.59	47.39	40.94
135.0	176.64	120.01	85.52	68.97	60.00	52.99	48.79	42.06	38.13
150.0	225.99	149.73	101.50	71.50	58.60	53.55	47.95	43.74	38.69
165.0	70.66	63.37	57.76	52.71	47.95	40.38	37.85	34.77	29.72
180.0	82.43	60.00	53.27	48.79	44.30	37.57	33.65	30.28	25.80
195.0	70.66	63.37	57.76	52.71	47.95	40.38	37.85	34.77	29.72
210.0	225.99	149.73	101.50	71.50	58.60	53.55	47.95	43.74	38.69
225.0	176.64	120.01	85.52	68.97	60.00	52.99	48.79	42.06	38.13
240.0	325.81	187.86	129.26	93.09	71.22	58.88	51.59	47.39	40.94
255.0	445.25	277.30	197.11	141.03	102.62	76.83	62.25	54.68	46.54
270.0	412.72	269.73	172.16	113.84	77.95	55.52	49.35	40.94	35.89
285.0	445.25	277.30	197.11	141.03	102.62	76.83	62.25	54.68	46.54
300.0	325.81	187.86	129.26	93.09	71.22	58.88	51.59	47.39	40.94
315.0	176.64	120.01	85.52	68.97	60.00	52.99	48.79	42.06	38.13
330.0	225.99	149.73	101.50	71.50	58.60	53.55	47.95	43.74	38.69
345.0	70.66	63.37	57.76	52.71	47.95	40.38	37.85	34.77	29.72
360.0	82.43	60.00	53.27	48.79	44.30	37.57	33.65	30.28	25.80

C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	23.55	20.19	17.94	14.58	11.78	10.09	6.73	5.05	3.93
15.0	27.20	24.11	20.19	17.38	14.86	12.34	10.09	7.01	5.05
30.0	32.81	29.72	26.08	21.59	19.35	15.98	13.46	11.50	9.25
45.0	34.21	28.88	25.80	23.27	20.47	17.66	15.42	13.18	11.22
60.0	35.89	31.96	28.32	23.83	21.87	18.79	16.26	14.58	12.62
75.0	41.78	37.57	30.56	26.64	22.99	19.91	16.26	13.46	11.50
90.0	29.72	26.36	23.55	19.63	16.26	12.90	8.41	5.61	3.36
105.0	41.78	37.57	30.56	26.64	22.99	19.91	16.26	13.46	11.50
120.0	35.89	31.96	28.32	23.83	21.87	18.79	16.26	14.58	12.62
135.0	34.21	28.88	25.80	23.27	20.47	17.66	15.42	13.18	11.22
150.0	32.81	29.72	26.08	21.59	19.35	15.98	13.46	11.50	9.25
165.0	27.20	24.11	20.19	17.38	14.86	12.34	10.09	7.01	5.05
180.0	23.55	20.19	17.94	14.58	11.78	10.09	6.73	5.05	3.93
195.0	27.20	24.11	20.19	17.38	14.86	12.34	10.09	7.01	5.05
210.0	32.81	29.72	26.08	21.59	19.35	15.98	13.46	11.50	9.25
225.0	34.21	28.88	25.80	23.27	20.47	17.66	15.42	13.18	11.22
240.0	35.89	31.96	28.32	23.83	21.87	18.79	16.26	14.58	12.62
255.0	41.78	37.57	30.56	26.64	22.99	19.91	16.26	13.46	11.50
270.0	29.72	26.36	23.55	19.63	16.26	12.90	8.41	5.61	3.36
285.0	41.78	37.57	30.56	26.64	22.99	19.91	16.26	13.46	11.50
300.0	35.89	31.96	28.32	23.83	21.87	18.79	16.26	14.58	12.62
315.0	34.21	28.88	25.80	23.27	20.47	17.66	15.42	13.18	11.22
330.0	32.81	29.72	26.08	21.59	19.35	15.98	13.46	11.50	9.25
345.0	27.20	24.11	20.19	17.38	14.86	12.34	10.09	7.01	5.05
360.0	23.55	20.19	17.94	14.58	11.78	10.09	6.73	5.05	3.93

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	2.80	2.24	1.12	0.56	0.56	0.56	0.56	0.56	0.56
15.0	2.80	1.40	0.84	0.84	0.56	0.56	0.56	0.56	0.56
30.0	7.29	5.61	4.49	3.65	3.09	2.52	2.24	2.24	1.68
45.0	8.97	7.85	6.17	5.89	5.61	5.33	5.05	4.77	4.49
60.0	10.94	10.09	9.53	8.69	7.85	7.57	7.57	6.73	6.73
75.0	9.25	8.41	7.01	6.17	6.17	6.17	6.17	5.89	5.61
90.0	2.24	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	9.25	8.41	7.01	6.17	6.17	6.17	6.17	5.89	5.61
120.0	10.94	10.09	9.53	8.69	7.85	7.57	7.57	6.73	6.73
135.0	8.97	7.85	6.17	5.89	5.61	5.33	5.05	4.77	4.49
150.0	7.29	5.61	4.49	3.65	3.09	2.52	2.24	2.24	1.68
165.0	2.80	1.40	0.84	0.84	0.56	0.56	0.56	0.56	0.56
180.0	2.80	2.24	1.12	0.56	0.56	0.56	0.56	0.56	0.56
195.0	2.80	1.40	0.84	0.84	0.56	0.56	0.56	0.56	0.56
210.0	7.29	5.61	4.49	3.65	3.09	2.52	2.24	2.24	1.68
225.0	8.97	7.85	6.17	5.89	5.61	5.33	5.05	4.77	4.49
240.0	10.94	10.09	9.53	8.69	7.85	7.57	7.57	6.73	6.73
255.0	9.25	8.41	7.01	6.17	6.17	6.17	6.17	5.89	5.61
270.0	2.24	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	9.25	8.41	7.01	6.17	6.17	6.17	6.17	5.89	5.61
300.0	10.94	10.09	9.53	8.69	7.85	7.57	7.57	6.73	6.73
315.0	8.97	7.85	6.17	5.89	5.61	5.33	5.05	4.77	4.49
330.0	7.29	5.61	4.49	3.65	3.09	2.52	2.24	2.24	1.68
345.0	2.80	1.40	0.84	0.84	0.56	0.56	0.56	0.56	0.56
360.0	2.80	2.24	1.12	0.56	0.56	0.56	0.56	0.56	0.56
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	0.56	0.56	0.56	0.00	0.00	0.00	0.00	0.00	0.56
15.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
30.0	1.68	1.68	1.68	1.68	1.68	1.40	1.12	1.12	1.12
45.0	4.21	3.93	3.36	3.09	2.80	2.24	2.24	2.24	1.96
60.0	6.17	6.17	5.33	5.05	4.49	3.93	3.65	3.09	3.09
75.0	5.61	5.61	5.05	4.49	4.49	4.21	3.65	3.36	3.09
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	5.61	5.61	5.05	4.49	4.49	4.21	3.65	3.36	3.09
120.0	6.17	6.17	5.33	5.05	4.49	3.93	3.65	3.09	3.09
135.0	4.21	3.93	3.36	3.09	2.80	2.24	2.24	2.24	1.96
150.0	1.68	1.68	1.68	1.68	1.68	1.40	1.12	1.12	1.12
165.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
180.0	0.56	0.56	0.56	0.00	0.00	0.00	0.00	0.00	0.56
195.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
210.0	1.68	1.68	1.68	1.68	1.68	1.40	1.12	1.12	1.12
225.0	4.21	3.93	3.36	3.09	2.80	2.24	2.24	2.24	1.96
240.0	6.17	6.17	5.33	5.05	4.49	3.93	3.65	3.09	3.09
255.0	5.61	5.61	5.05	4.49	4.49	4.21	3.65	3.36	3.09
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	5.61	5.61	5.05	4.49	4.49	4.21	3.65	3.36	3.09
300.0	6.17	6.17	5.33	5.05	4.49	3.93	3.65	3.09	3.09
315.0	4.21	3.93	3.36	3.09	2.80	2.24	2.24	2.24	1.96
330.0	1.68	1.68	1.68	1.68	1.68	1.40	1.12	1.12	1.12
345.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
360.0	0.56	0.56	0.56	0.00	0.00	0.00	0.00	0.00	0.56

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
15.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
30.0	1.12	1.12	1.12	1.12	0.84	0.56	0.56	0.56	0.56
45.0	1.96	1.40	1.40	1.12	1.12	0.56	0.56	0.56	0.56
60.0	2.52	1.96	1.96	1.68	1.68	1.68	1.40	1.12	1.12
75.0	2.80	2.52	2.24	1.96	1.96	1.68	1.40	1.40	1.40
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	2.80	2.52	2.24	1.96	1.96	1.68	1.40	1.40	1.40
120.0	2.52	1.96	1.96	1.68	1.68	1.68	1.40	1.12	1.12
135.0	1.96	1.40	1.40	1.12	1.12	0.56	0.56	0.56	0.56
150.0	1.12	1.12	1.12	1.12	0.84	0.56	0.56	0.56	0.56
165.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
195.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
210.0	1.12	1.12	1.12	1.12	0.84	0.56	0.56	0.56	0.56
225.0	1.96	1.40	1.40	1.12	1.12	0.56	0.56	0.56	0.56
240.0	2.52	1.96	1.96	1.68	1.68	1.68	1.40	1.12	1.12
255.0	2.80	2.52	2.24	1.96	1.96	1.68	1.40	1.40	1.40
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	2.80	2.52	2.24	1.96	1.96	1.68	1.40	1.40	1.40
300.0	2.52	1.96	1.96	1.68	1.68	1.68	1.40	1.12	1.12
315.0	1.96	1.40	1.40	1.12	1.12	0.56	0.56	0.56	0.56
330.0	1.12	1.12	1.12	1.12	0.84	0.56	0.56	0.56	0.56
345.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
360.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	0.56	0.56	0.56	0.56	1.12	1.12	1.12	1.12	1.12
15.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
30.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
45.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
60.0	1.12	1.12	0.84	0.84	0.56	0.56	0.56	0.56	0.56
75.0	0.84	0.84	0.84	0.84	0.56	0.56	0.56	0.56	0.56
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.84	0.84	0.84	0.84	0.56	0.56	0.56	0.56	0.56
120.0	1.12	1.12	0.84	0.84	0.56	0.56	0.56	0.56	0.56
135.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
150.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
165.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
180.0	0.56	0.56	0.56	0.56	1.12	1.12	1.12	1.12	1.12
195.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
210.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
225.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
240.0	1.12	1.12	0.84	0.84	0.56	0.56	0.56	0.56	0.56
255.0	0.84	0.84	0.84	0.84	0.56	0.56	0.56	0.56	0.56
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.84	0.84	0.84	0.84	0.56	0.56	0.56	0.56	0.56
300.0	1.12	1.12	0.84	0.84	0.56	0.56	0.56	0.56	0.56
315.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
330.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
345.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
360.0	0.56	0.56	0.56	0.56	1.12	1.12	1.12	1.12	1.12

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.56	0.56
15.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
30.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
45.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
60.0	0.56	0.56	0.56	0.28	0.28	0.56	0.56	0.28	0.28
75.0	0.56	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.56	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28
120.0	0.56	0.56	0.56	0.28	0.28	0.56	0.56	0.28	0.28
135.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
150.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
165.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
180.0	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.56	0.56
195.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
210.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
225.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
240.0	0.56	0.56	0.56	0.28	0.28	0.56	0.56	0.28	0.28
255.0	0.56	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285.0	0.56	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28
300.0	0.56	0.56	0.56	0.28	0.28	0.56	0.56	0.28	0.28
315.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
330.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
345.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
360.0	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.56	0.56
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.00
15.0	0.56	0.84	0.84	0.56	0.28	0.28	0.28	0.00	0.00
30.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.28
45.0	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.00	0.00
60.0	0.56	0.56	0.56	0.56	0.28	0.28	0.00	0.00	0.00
75.0	0.28	0.28	0.28	0.28	0.28	0.28	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	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00
120.0	0.56	0.56	0.56	0.56	0.28	0.28	0.00	0.00	0.00
135.0	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.00	0.00
150.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.28
165.0	0.56	0.84	0.84	0.56	0.28	0.28	0.28	0.00	0.00
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.00
195.0	0.56	0.84	0.84	0.56	0.28	0.28	0.28	0.00	0.00
210.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.28
225.0	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.00	0.00
240.0	0.56	0.56	0.56	0.56	0.28	0.28	0.00	0.00	0.00
255.0	0.28	0.28	0.28	0.28	0.28	0.28	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	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00
300.0	0.56	0.56	0.56	0.56	0.28	0.28	0.00	0.00	0.00
315.0	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.00	0.00
330.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.28
345.0	0.56	0.84	0.84	0.56	0.28	0.28	0.28	0.00	0.00
360.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	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	0.28	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	0.28	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	0.28	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	0.28	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