

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	46.000 W
Luminaire	:		:	
LampCAT	:	Ballast type	:	
Lamp flux	:	Width	:	60 mm
Number of Lamps	:	Length	:	1464 mm
Phm Type	:	Height	:	26 mm

Photometric Results

Lumens(lm)	:	6440.00	Central intensity(cd)	:	1708.434
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1708.558
Luminous Efficacy(lm/W)	:	140.00	Angle of maximum intensity	:	C=0.0 γ =1.0
Beam Angle(50%Imax)	:	[C0/180]Total=134.6 [C90/270]Total=111.0			
Field angle(10%Imax)	:	[C0/180]Total=256.8 [C90/270]Total=160.0			
Maximum s/h(1/2)	:	C0_180=1.33 C90_270=1.24			
Maximum s/h(1/4)	:	C0_180=1.47 C90_270=1.36			
Up flux rate of lamp(%)	:	11.55%			
Down flux rate of lamp(%)	:	88.45%			
Up flux rate of LUM(%)	:	11.55%			
Down flux rate of LUM(%)	:	88.45%			
CIE Type	:	Semidirect lighting			
Output flux ratio in π solid angle :	:	62.817%			

Zonal flux distribution table

Appendix Page: 2 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1708.434	0.000	0	0.00%	0.00%
0.5	1708.434	0.409	0.409	0.01%	0.01%
1.0	1706.421	1.225	1.634	0.02%	0.03%
1.5	1705.965	2.041	3.675	0.03%	0.06%
2.0	1705.426	2.856	6.531	0.04%	0.10%
2.5	1704.845	3.671	10.202	0.06%	0.16%
3.0	1703.849	4.484	14.685	0.07%	0.23%
3.5	1702.999	5.295	19.98	0.08%	0.31%
4.0	1701.837	6.105	26.086	0.09%	0.41%
4.5	1701.131	6.914	32.999	0.11%	0.51%
5.0	1699.680	7.721	40.72	0.12%	0.63%
5.5	1698.186	8.524	49.244	0.13%	0.76%
6.0	1696.775	9.325	58.569	0.14%	0.91%
6.5	1694.908	10.123	68.692	0.16%	1.07%
7.0	1693.207	10.918	79.609	0.17%	1.24%
7.5	1690.905	11.708	91.318	0.18%	1.42%
8.0	1689.245	12.496	103.814	0.19%	1.61%
8.5	1686.548	13.280	117.094	0.21%	1.82%
9.0	1684.681	14.060	131.154	0.22%	2.04%
9.5	1681.818	14.836	145.99	0.23%	2.27%
10.0	1679.516	15.606	161.596	0.24%	2.51%
10.5	1677.089	16.375	177.971	0.25%	2.76%
11.0	1674.039	17.136	195.107	0.27%	3.03%
11.5	1671.425	17.893	213	0.28%	3.31%
12.0	1668.210	18.645	231.645	0.29%	3.60%
12.5	1665.617	19.393	251.038	0.30%	3.90%
13.0	1661.178	20.129	271.167	0.31%	4.21%
13.5	1657.962	20.856	292.023	0.32%	4.53%
14.0	1654.706	21.586	313.609	0.34%	4.87%
14.5	1651.096	22.309	335.918	0.35%	5.22%
15.0	1647.403	23.024	358.942	0.36%	5.57%
15.5	1642.694	23.725	382.667	0.37%	5.94%
16.0	1640.205	24.430	407.097	0.38%	6.32%
16.5	1635.911	25.133	432.231	0.39%	6.71%
17.0	1631.637	25.817	458.048	0.40%	7.11%
17.5	1626.431	26.488	484.535	0.41%	7.52%
18.0	1621.950	27.150	511.685	0.42%	7.95%
18.5	1616.722	27.806	539.491	0.43%	8.38%

Zonal flux distribution table

Appendix Page: 3 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1612.408	28.456	567.947	0.44%	8.82%
19.5	1608.653	29.114	597.061	0.45%	9.27%
20.0	1601.724	29.741	626.803	0.46%	9.73%
20.5	1597.782	30.360	657.163	0.47%	10.20%
21.0	1591.269	30.975	688.138	0.48%	10.69%
21.5	1587.037	31.581	719.719	0.49%	11.18%
22.0	1581.208	32.186	751.905	0.50%	11.68%
22.5	1576.914	32.784	784.689	0.51%	12.18%
23.0	1569.072	33.353	818.043	0.52%	12.70%
23.5	1564.114	33.908	851.95	0.53%	13.23%
24.0	1557.538	34.468	886.418	0.54%	13.76%
24.5	1551.315	35.006	921.424	0.54%	14.31%
25.0	1546.253	35.553	956.977	0.55%	14.86%
25.5	1538.038	36.070	993.046	0.56%	15.42%
26.0	1534.097	36.591	1029.637	0.57%	15.99%
26.5	1525.053	37.094	1066.731	0.58%	16.56%
27.0	1520.945	37.587	1104.318	0.58%	17.15%
27.5	1511.693	38.068	1142.386	0.59%	17.74%
28.0	1508.540	38.553	1180.939	0.60%	18.34%
28.5	1497.068	39.002	1219.941	0.61%	18.94%
29.0	1493.002	39.429	1259.37	0.61%	19.56%
29.5	1483.999	39.879	1299.249	0.62%	20.17%
30.0	1477.630	40.290	1339.539	0.63%	20.80%
30.5	1470.453	40.717	1380.255	0.63%	21.43%
31.0	1461.325	41.096	1421.351	0.64%	22.07%
31.5	1456.637	41.500	1462.852	0.64%	22.72%
32.0	1445.891	41.873	1504.725	0.65%	23.37%
32.5	1441.203	42.236	1546.961	0.66%	24.02%
33.0	1429.171	42.571	1589.532	0.66%	24.68%
33.5	1424.649	42.898	1632.429	0.67%	25.35%
34.0	1413.364	43.226	1675.656	0.67%	26.02%
34.5	1406.207	43.505	1719.161	0.68%	26.70%
35.0	1398.221	43.824	1762.985	0.68%	27.38%
35.5	1387.994	44.085	1807.07	0.68%	28.06%
36.0	1382.849	44.382	1851.452	0.69%	28.75%
36.5	1372.435	44.666	1896.118	0.69%	29.44%
37.0	1365.673	44.914	1941.032	0.70%	30.14%
37.5	1354.989	45.148	1986.18	0.70%	30.84%

Zonal flux distribution table

Appendix Page: 4 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1349.616	45.395	2031.575	0.70%	31.55%
38.5	1335.925	45.581	2077.156	0.71%	32.25%
39.0	1327.938	45.712	2122.868	0.71%	32.96%
39.5	1319.516	45.923	2168.79	0.71%	33.68%
40.0	1310.139	46.099	2214.889	0.72%	34.39%
40.5	1301.323	46.259	2261.148	0.72%	35.11%
41.0	1289.913	46.372	2307.52	0.72%	35.83%
41.5	1284.147	46.529	2354.05	0.72%	36.55%
42.0	1270.911	46.644	2400.694	0.72%	37.28%
42.5	1265.103	46.747	2447.441	0.73%	38.00%
43.0	1251.931	46.841	2494.282	0.73%	38.73%
43.5	1247.491	46.951	2541.232	0.73%	39.46%
44.0	1231.144	46.990	2588.223	0.73%	40.19%
44.5	1223.801	46.964	2635.186	0.73%	40.92%
45.0	1214.279	47.057	2682.244	0.73%	41.65%
45.5	1201.874	47.043	2729.286	0.73%	42.38%
46.0	1195.215	47.073	2776.36	0.73%	43.11%
46.5	1181.461	47.068	2823.427	0.73%	43.84%
47.0	1176.545	47.086	2870.513	0.73%	44.57%
47.5	1161.422	47.067	2917.581	0.73%	45.30%
48.0	1154.431	46.997	2964.578	0.73%	46.03%
48.5	1141.777	46.966	3011.543	0.73%	46.76%
49.0	1130.886	46.844	3058.387	0.73%	47.49%
49.5	1117.610	46.699	3105.086	0.73%	48.22%
50.0	1109.996	46.611	3151.698	0.72%	48.94%
50.5	1097.944	46.539	3198.237	0.72%	49.66%
51.0	1090.268	46.457	3244.693	0.72%	50.38%
51.5	1077.241	46.343	3291.037	0.72%	51.10%
52.0	1067.470	46.175	3337.212	0.72%	51.82%
52.5	1055.335	46.016	3383.228	0.71%	52.53%
53.0	1045.336	45.842	3429.071	0.71%	53.25%
53.5	1035.151	45.702	3474.772	0.71%	53.96%
54.0	1021.666	45.474	3520.247	0.71%	54.66%
54.5	1010.132	45.207	3565.454	0.70%	55.36%
55.0	997.790	44.955	3610.408	0.70%	56.06%
55.5	986.982	44.709	3655.117	0.69%	56.76%
56.0	974.203	44.443	3699.56	0.69%	57.45%
56.5	965.594	44.218	3743.778	0.69%	58.13%

Zonal flux distribution table

Appendix Page: 5 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	953.251	43.994	3787.772	0.68%	58.82%
57.5	942.506	43.711	3831.483	0.68%	59.50%
58.0	930.121	43.419	3874.902	0.67%	60.17%
58.5	919.541	43.121	3918.023	0.67%	60.84%
59.0	908.816	42.853	3960.875	0.67%	61.50%
59.5	892.947	42.451	4003.327	0.66%	62.16%
60.0	884.068	42.084	4045.411	0.65%	62.82%
60.5	869.319	41.734	4087.145	0.65%	63.46%
61.0	860.606	41.380	4128.525	0.64%	64.11%
61.5	845.608	41.010	4169.535	0.64%	64.74%
62.0	836.667	40.627	4210.162	0.63%	65.38%
62.5	823.701	40.284	4250.447	0.63%	66.00%
63.0	812.479	39.878	4290.325	0.62%	66.62%
63.5	799.742	39.469	4329.794	0.61%	67.23%
64.0	788.706	39.057	4368.851	0.61%	67.84%
64.5	774.206	38.593	4407.445	0.60%	68.44%
65.0	759.166	38.022	4445.466	0.59%	69.03%
65.5	750.287	37.581	4483.047	0.58%	69.61%
66.0	736.844	37.173	4520.22	0.58%	70.19%
66.5	725.746	36.702	4556.922	0.57%	70.76%
67.0	714.524	36.279	4593.201	0.56%	71.32%
67.5	701.351	35.797	4628.998	0.56%	71.88%
68.0	688.157	35.258	4664.256	0.55%	72.43%
68.5	676.914	34.760	4699.015	0.54%	72.97%
69.0	665.670	34.305	4733.32	0.53%	73.50%
69.5	652.995	33.807	4767.127	0.52%	74.02%
70.0	638.827	33.227	4800.354	0.52%	74.54%
70.5	625.861	32.632	4832.987	0.51%	75.05%
71.0	614.742	32.110	4865.097	0.50%	75.54%
71.5	601.694	31.579	4896.676	0.49%	76.04%
72.0	590.326	31.036	4927.712	0.48%	76.52%
72.5	579.394	30.542	4958.254	0.47%	76.99%
73.0	570.266	30.101	4988.355	0.47%	77.46%
73.5	552.322	29.471	5017.825	0.46%	77.92%
74.0	543.610	28.845	5046.67	0.45%	78.36%
74.5	532.428	28.393	5075.063	0.44%	78.81%
75.0	516.828	27.753	5102.816	0.43%	79.24%
75.5	507.535	27.158	5129.974	0.42%	79.66%

Zonal flux distribution table

Appendix Page: 6 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	495.482	26.652	5156.626	0.41%	80.07%
76.5	483.119	26.060	5182.686	0.40%	80.48%
77.0	472.622	25.505	5208.19	0.40%	80.87%
77.5	461.855	24.987	5233.178	0.39%	81.26%
78.0	450.031	24.431	5257.608	0.38%	81.64%
78.5	440.115	23.892	5281.501	0.37%	82.01%
79.0	426.942	23.314	5304.815	0.36%	82.37%
79.5	415.761	22.698	5327.513	0.35%	82.73%
80.0	408.189	22.228	5349.741	0.35%	83.07%
80.5	395.701	21.721	5371.462	0.34%	83.41%
81.0	385.350	21.134	5392.596	0.33%	83.74%
81.5	374.438	20.588	5413.184	0.32%	84.06%
82.0	365.892	20.086	5433.27	0.31%	84.37%
82.5	356.847	19.633	5452.903	0.30%	84.67%
83.0	346.993	19.142	5472.045	0.30%	84.97%
83.5	339.007	18.677	5490.722	0.29%	85.26%
84.0	329.734	18.225	5508.947	0.28%	85.54%
84.5	321.851	17.774	5526.72	0.28%	85.82%
85.0	310.649	17.268	5543.988	0.27%	86.09%
85.5	304.924	16.818	5560.806	0.26%	86.35%
86.0	297.538	16.471	5577.277	0.26%	86.60%
86.5	289.925	16.071	5593.349	0.25%	86.85%
87.0	282.499	15.668	5609.017	0.24%	87.10%
87.5	277.043	15.322	5624.339	0.24%	87.33%
88.0	270.695	15.005	5639.344	0.23%	87.57%
88.5	264.783	14.674	5654.017	0.23%	87.80%
89.0	259.286	14.364	5668.382	0.22%	88.02%
89.5	253.871	14.067	5682.449	0.22%	88.24%
90.0	249.556	13.802	5696.25	0.21%	88.45%
90.5	242.088	13.479	5709.729	0.21%	88.66%
91.0	238.292	13.169	5722.898	0.20%	88.86%
91.5	233.936	12.943	5735.841	0.20%	89.07%
92.0	229.476	12.699	5748.54	0.20%	89.26%
92.5	225.907	12.475	5761.015	0.19%	89.46%
93.0	222.444	12.278	5773.292	0.19%	89.65%
93.5	219.186	12.088	5785.38	0.19%	89.84%
94.0	215.971	11.904	5797.285	0.18%	90.02%
94.5	212.631	11.718	5809.003	0.18%	90.20%

Zonal flux distribution table

Appendix Page: 7 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	208.959	11.518	5820.521	0.18%	90.38%
95.5	205.433	11.313	5831.834	0.18%	90.56%
96.0	202.218	11.120	5842.954	0.17%	90.73%
96.5	199.209	10.940	5853.894	0.17%	90.90%
97.0	196.886	10.784	5864.678	0.17%	91.07%
97.5	194.625	10.648	5875.325	0.17%	91.23%
98.0	192.239	10.509	5885.834	0.16%	91.39%
98.5	189.833	10.366	5896.201	0.16%	91.56%
99.0	187.634	10.228	5906.429	0.16%	91.71%
99.5	184.730	10.076	5916.505	0.16%	91.87%
100.0	183.568	9.951	5926.456	0.15%	92.03%
100.5	180.581	9.824	5936.28	0.15%	92.18%
101.0	178.382	9.668	5945.948	0.15%	92.33%
101.5	176.411	9.540	5955.488	0.15%	92.48%
102.0	174.295	9.413	5964.901	0.15%	92.62%
102.5	172.719	9.297	5974.198	0.14%	92.77%
103.0	170.893	9.188	5983.386	0.14%	92.91%
103.5	169.296	9.078	5992.465	0.14%	93.05%
104.0	167.595	8.971	6001.436	0.14%	93.19%
104.5	165.852	8.860	6010.296	0.14%	93.33%
105.0	164.027	8.746	6019.042	0.14%	93.46%
105.5	162.658	8.641	6027.683	0.13%	93.60%
106.0	159.712	8.506	6036.189	0.13%	93.73%
106.5	158.550	8.377	6044.566	0.13%	93.86%
107.0	156.932	8.282	6052.848	0.13%	93.99%
107.5	155.148	8.171	6061.019	0.13%	94.12%
108.0	153.696	8.064	6069.083	0.13%	94.24%
108.5	152.181	7.964	6077.047	0.12%	94.36%
109.0	150.771	7.865	6084.912	0.12%	94.49%
109.5	149.236	7.765	6092.677	0.12%	94.61%
110.0	147.680	7.661	6100.338	0.12%	94.73%
110.5	145.792	7.548	6107.886	0.12%	94.84%
111.0	143.967	7.429	6115.315	0.12%	94.96%
111.5	142.286	7.314	6122.629	0.11%	95.07%
112.0	141.021	7.214	6129.843	0.11%	95.18%
112.5	139.320	7.113	6136.956	0.11%	95.29%
113.0	137.868	7.008	6143.964	0.11%	95.40%
113.5	136.167	6.903	6150.867	0.11%	95.51%

Zonal flux distribution table

Appendix Page: 8 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	135.088	6.807	6157.674	0.11%	95.62%
114.5	133.781	6.721	6164.395	0.10%	95.72%
115.0	131.997	6.617	6171.012	0.10%	95.82%
115.5	130.877	6.518	6177.53	0.10%	95.92%
116.0	128.450	6.404	6183.934	0.10%	96.02%
116.5	127.205	6.286	6190.22	0.10%	96.12%
117.0	125.712	6.192	6196.411	0.10%	96.22%
117.5	124.052	6.087	6202.499	0.09%	96.31%
118.0	122.787	5.989	6208.488	0.09%	96.41%
118.5	121.355	5.896	6214.384	0.09%	96.50%
119.0	120.090	5.803	6220.187	0.09%	96.59%
119.5	118.638	5.710	6225.898	0.09%	96.68%
120.0	117.165	5.613	6231.51	0.09%	96.76%
120.5	115.609	5.513	6237.023	0.09%	96.85%
121.0	114.074	5.412	6242.434	0.08%	96.93%
121.5	112.456	5.309	6247.744	0.08%	97.01%
122.0	110.506	5.198	6252.942	0.08%	97.10%
122.5	109.490	5.101	6258.042	0.08%	97.17%
123.0	107.934	5.013	6263.056	0.08%	97.25%
123.5	106.689	4.921	6267.976	0.08%	97.33%
124.0	105.341	4.833	6272.81	0.08%	97.40%
124.5	103.992	4.744	6277.553	0.07%	97.48%
125.0	102.789	4.658	6282.211	0.07%	97.55%
125.5	101.254	4.568	6286.78	0.07%	97.62%
126.0	99.760	4.473	6291.252	0.07%	97.69%
126.5	98.122	4.375	6295.627	0.07%	97.76%
127.0	97.250	4.292	6299.919	0.07%	97.82%
127.5	95.653	4.210	6304.128	0.07%	97.89%
128.0	94.906	4.131	6308.259	0.06%	97.95%
128.5	92.769	4.041	6312.3	0.06%	98.02%
129.0	92.044	3.951	6316.251	0.06%	98.08%
129.5	90.426	3.874	6320.125	0.06%	98.14%
130.0	89.513	3.793	6323.918	0.06%	98.20%
130.5	87.687	3.708	6327.626	0.06%	98.26%
131.0	86.588	3.620	6331.245	0.06%	98.31%
131.5	84.845	3.534	6334.779	0.05%	98.37%
132.0	83.518	3.444	6338.222	0.05%	98.42%
132.5	82.480	3.369	6341.591	0.05%	98.47%

Zonal flux distribution table

Appendix Page: 9 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	80.924	3.290	6344.881	0.05%	98.52%
133.5	80.074	3.215	6348.096	0.05%	98.57%
134.0	78.580	3.142	6351.238	0.05%	98.62%
134.5	77.792	3.071	6354.308	0.05%	98.67%
135.0	76.195	2.998	6357.307	0.05%	98.72%
135.5	75.531	2.928	6360.235	0.05%	98.76%
136.0	73.726	2.855	6363.09	0.04%	98.81%
136.5	72.149	2.766	6365.856	0.04%	98.85%
137.0	71.071	2.690	6368.546	0.04%	98.89%
137.5	69.577	2.617	6371.164	0.04%	98.93%
138.0	68.976	2.554	6373.718	0.04%	98.97%
138.5	67.399	2.490	6376.207	0.04%	99.01%
139.0	66.694	2.424	6378.631	0.04%	99.05%
139.5	65.158	2.360	6380.991	0.04%	99.08%
140.0	64.495	2.297	6383.287	0.04%	99.12%
140.5	63.022	2.235	6385.523	0.03%	99.15%
141.0	62.337	2.174	6387.697	0.03%	99.19%
141.5	60.408	2.106	6389.803	0.03%	99.22%
142.0	59.433	2.034	6391.837	0.03%	99.25%
142.5	58.272	1.976	6393.813	0.03%	99.28%
143.0	56.716	1.908	6395.721	0.03%	99.31%
143.5	56.404	1.856	6397.577	0.03%	99.34%
144.0	54.931	1.805	6399.382	0.03%	99.37%
144.5	54.226	1.748	6401.13	0.03%	99.40%
145.0	52.836	1.694	6402.824	0.03%	99.42%
145.5	52.214	1.642	6404.466	0.03%	99.45%
146.0	50.720	1.588	6406.054	0.02%	99.47%
146.5	50.243	1.538	6407.592	0.02%	99.50%
147.0	48.708	1.487	6409.079	0.02%	99.52%
147.5	47.547	1.428	6410.507	0.02%	99.54%
148.0	46.862	1.381	6411.888	0.02%	99.56%
148.5	45.534	1.333	6413.221	0.02%	99.58%
149.0	45.140	1.290	6414.51	0.02%	99.60%
149.5	43.875	1.248	6415.758	0.02%	99.62%
150.0	43.688	1.209	6416.967	0.02%	99.64%
150.5	42.236	1.169	6418.136	0.02%	99.66%
151.0	41.717	1.125	6419.261	0.02%	99.68%
151.5	40.410	1.083	6420.344	0.02%	99.69%

Zonal flux distribution table

Appendix Page: 10 Total:29

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	39.498	1.037	6421.381	0.02%	99.71%
152.5	38.709	0.998	6422.379	0.02%	99.73%
153.0	37.568	0.957	6423.337	0.01%	99.74%
153.5	37.257	0.923	6424.26	0.01%	99.76%
154.0	36.033	0.889	6425.149	0.01%	99.77%
154.5	35.681	0.854	6426.003	0.01%	99.78%
155.0	34.644	0.822	6426.825	0.01%	99.80%
155.5	34.084	0.789	6427.614	0.01%	99.81%
156.0	33.129	0.757	6428.371	0.01%	99.82%
156.5	32.673	0.727	6429.097	0.01%	99.83%
157.0	31.366	0.693	6429.79	0.01%	99.84%
157.5	30.432	0.655	6430.446	0.01%	99.85%
158.0	29.996	0.627	6431.073	0.01%	99.86%
158.5	28.876	0.598	6431.671	0.01%	99.87%
159.0	28.482	0.570	6432.241	0.01%	99.88%
159.5	27.466	0.543	6432.784	0.01%	99.89%
160.0	27.051	0.517	6433.302	0.01%	99.90%
160.5	26.138	0.493	6433.794	0.01%	99.90%
161.0	25.806	0.470	6434.264	0.01%	99.91%
161.5	24.811	0.446	6434.71	0.01%	99.92%
162.0	24.064	0.420	6435.13	0.01%	99.92%
162.5	23.068	0.394	6435.523	0.01%	99.93%
163.0	22.238	0.368	6435.892	0.01%	99.94%
163.5	21.636	0.347	6436.238	0.01%	99.94%
164.0	21.035	0.327	6436.566	0.01%	99.95%
164.5	20.268	0.307	6436.873	0.00%	99.95%
165.0	19.707	0.288	6437.161	0.00%	99.96%
165.5	18.878	0.269	6437.431	0.00%	99.96%
166.0	18.317	0.251	6437.682	0.00%	99.96%
166.5	17.467	0.233	6437.915	0.00%	99.97%
167.0	16.844	0.216	6438.131	0.00%	99.97%
167.5	15.952	0.198	6438.329	0.00%	99.97%
168.0	15.185	0.181	6438.51	0.00%	99.98%
168.5	14.584	0.166	6438.676	0.00%	99.98%
169.0	14.003	0.153	6438.829	0.00%	99.98%
169.5	13.525	0.141	6438.97	0.00%	99.98%
170.0	13.028	0.130	6439.1	0.00%	99.99%
170.5	12.260	0.117	6439.217	0.00%	99.99%

Zonal flux distribution table

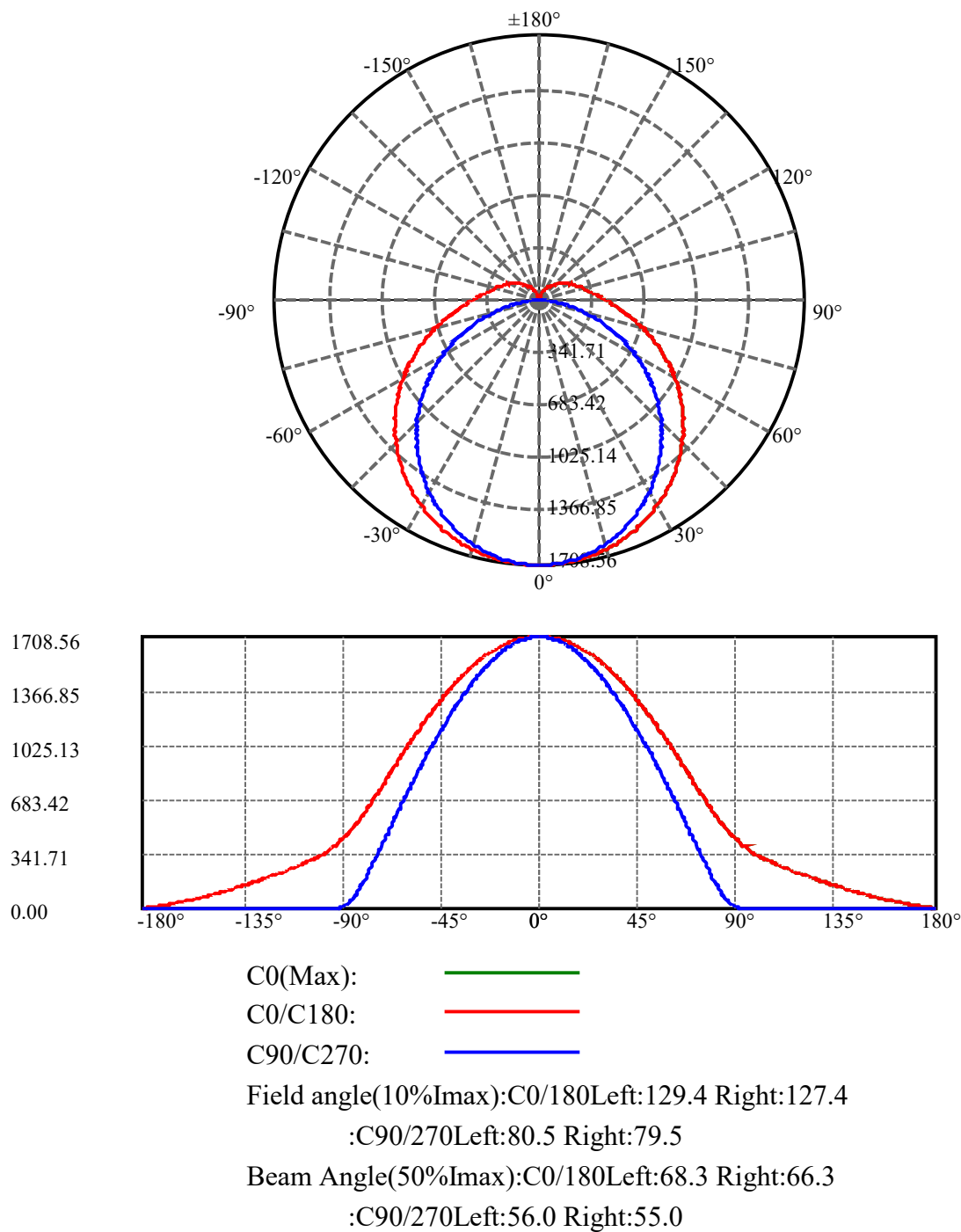
Appendix Page: 11 Total:29

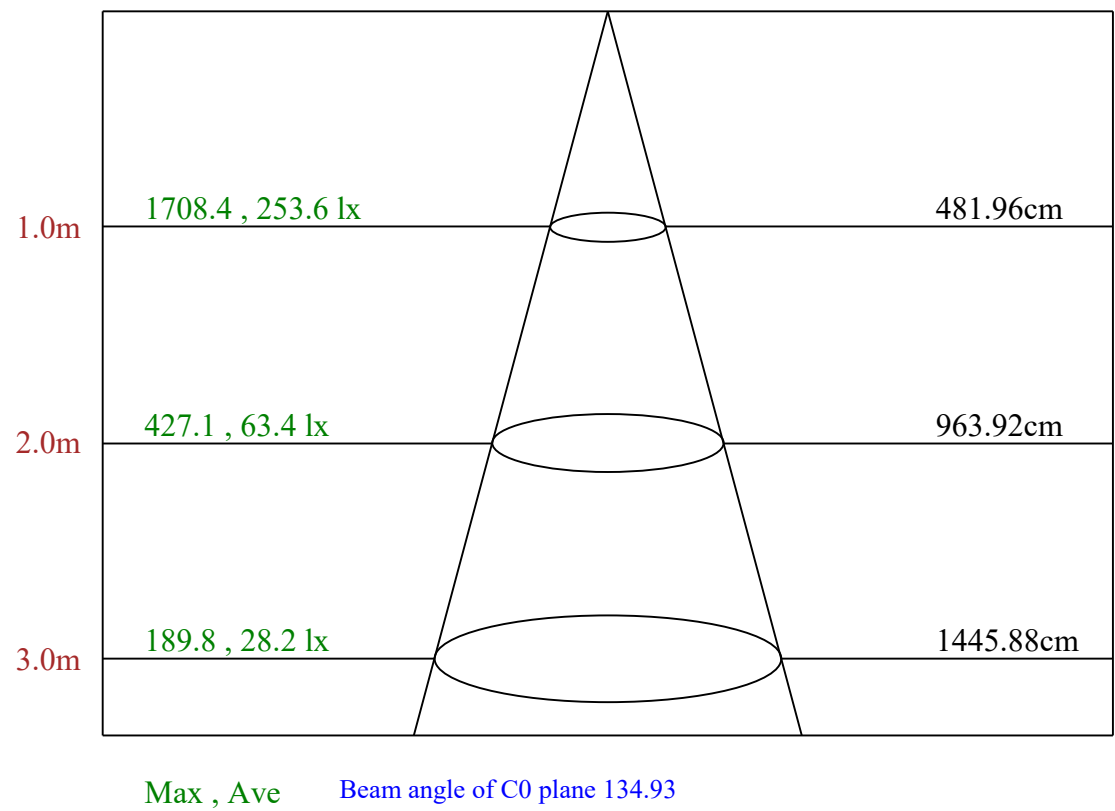
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	11.845	0.106	6439.323	0.00%	99.99%
171.5	11.119	0.096	6439.419	0.00%	99.99%
172.0	10.828	0.086	6439.505	0.00%	99.99%
172.5	9.874	0.077	6439.582	0.00%	99.99%
173.0	9.335	0.066	6439.648	0.00%	99.99%
173.5	8.920	0.059	6439.707	0.00%	100.00%
174.0	8.464	0.052	6439.759	0.00%	100.00%
174.5	8.049	0.045	6439.804	0.00%	100.00%
175.0	7.634	0.039	6439.844	0.00%	100.00%
175.5	7.447	0.034	6439.878	0.00%	100.00%
176.0	6.804	0.029	6439.907	0.00%	100.00%
176.5	6.597	0.024	6439.931	0.00%	100.00%
177.0	6.182	0.020	6439.951	0.00%	100.00%
177.5	5.974	0.016	6439.967	0.00%	100.00%
178.0	5.560	0.012	6439.979	0.00%	100.00%
178.5	5.435	0.009	6439.988	0.00%	100.00%
179.0	5.373	0.006	6439.995	0.00%	100.00%
179.5	5.187	0.004	6439.999	0.00%	100.00%
180.0	5.103	0.001	6440	0.00%	100.00%

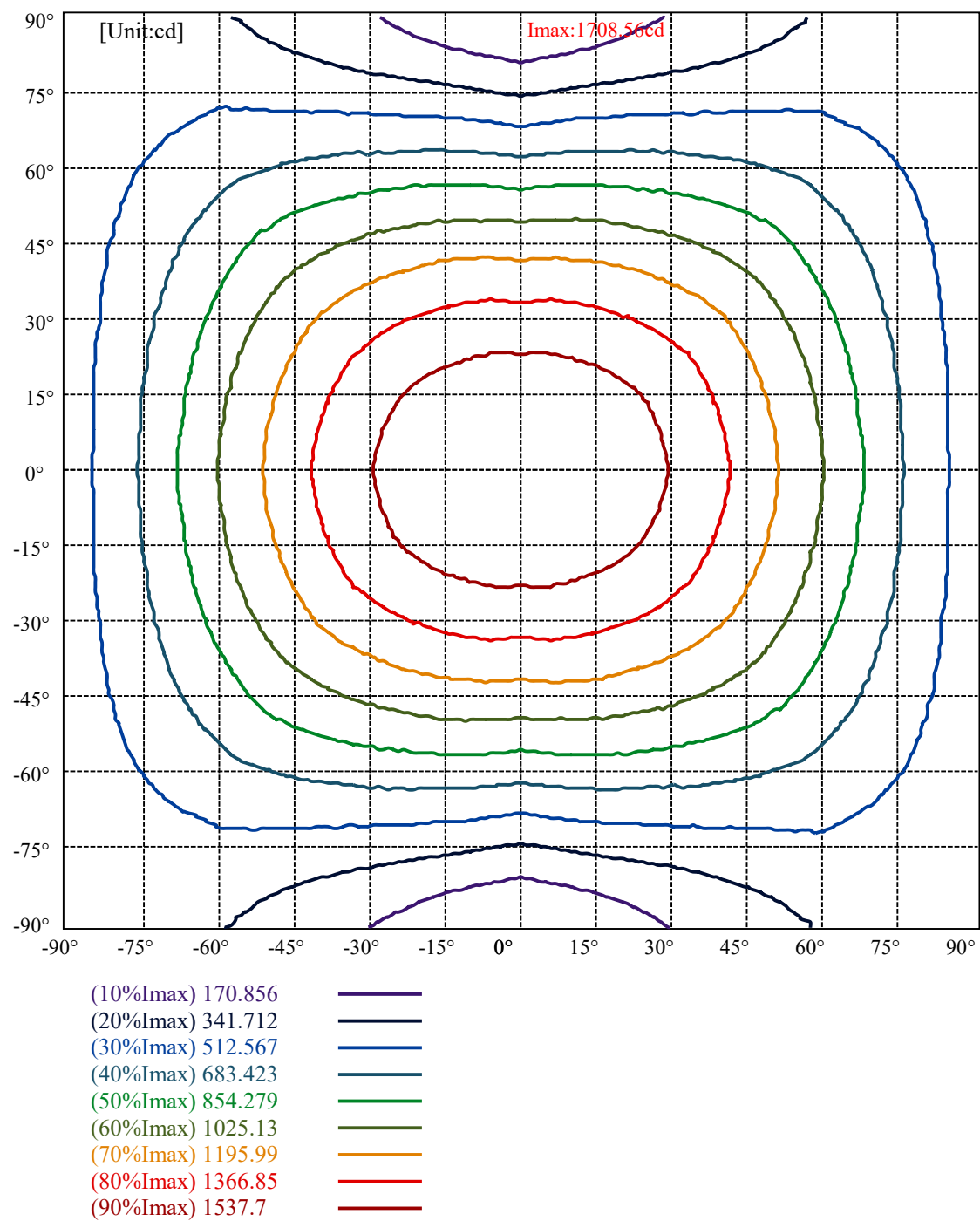
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1339.54	20.80%	20.80%
0-40	2214.89	34.39%	34.39%
0-60	4045.41	62.82%	62.82%
0-90	5696.25	88.45%	88.45%
0-120	6231.51	96.76%	96.76%
0-180	6440.00	100.00%	100.00%
60-90	1650.84	25.63%	25.63%
90-120	535.26	8.31%	8.31%
90-130	627.67	9.75%	9.75%
90-150	720.72	11.19%	11.19%
90-180	743.75	11.55%	11.55%
0-75.91	5152.00	80.00%	80.00%

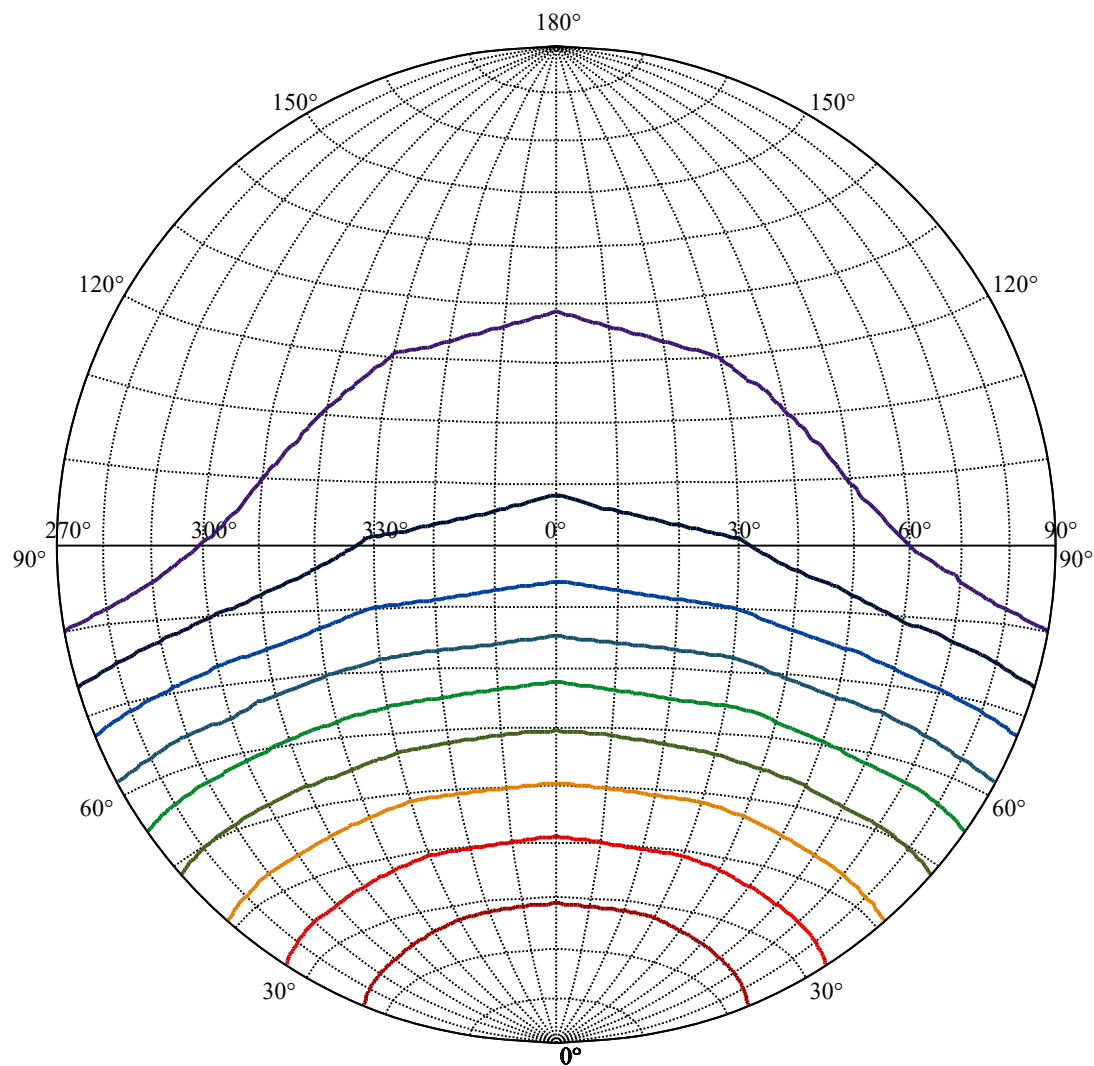
ZONAL LUMEN SUMMARY

0-10	161.60
10-20	465.21
20-30	712.74
30-40	875.35
40-50	936.81
50-60	893.71
60-70	754.94
70-80	549.39
80-90	346.51
90-100	230.21
100-110	173.88
110-120	131.17
120-130	92.41
130-140	59.37
140-150	33.68
150-160	16.33
160-170	5.80
170-180	0.90







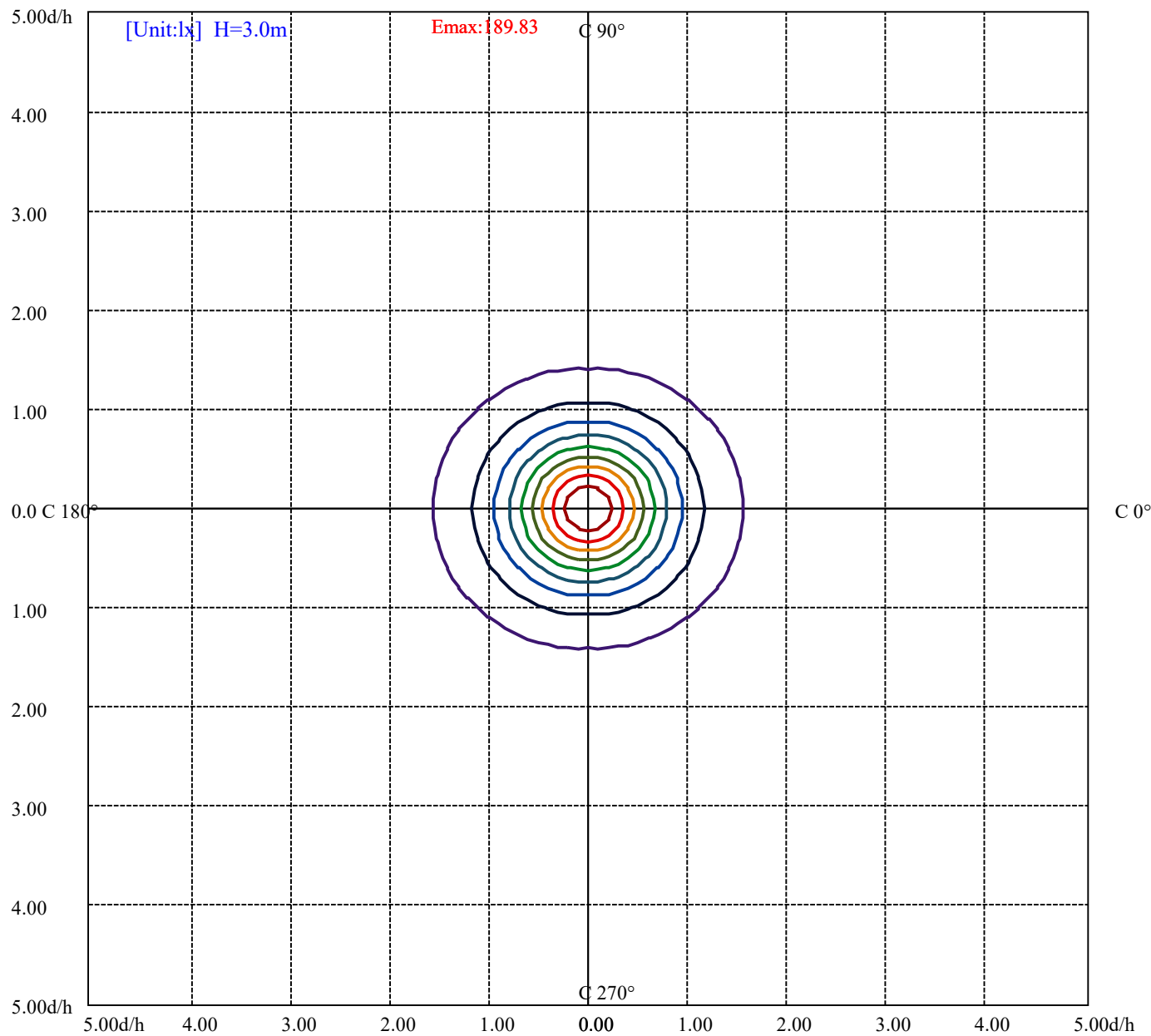


House

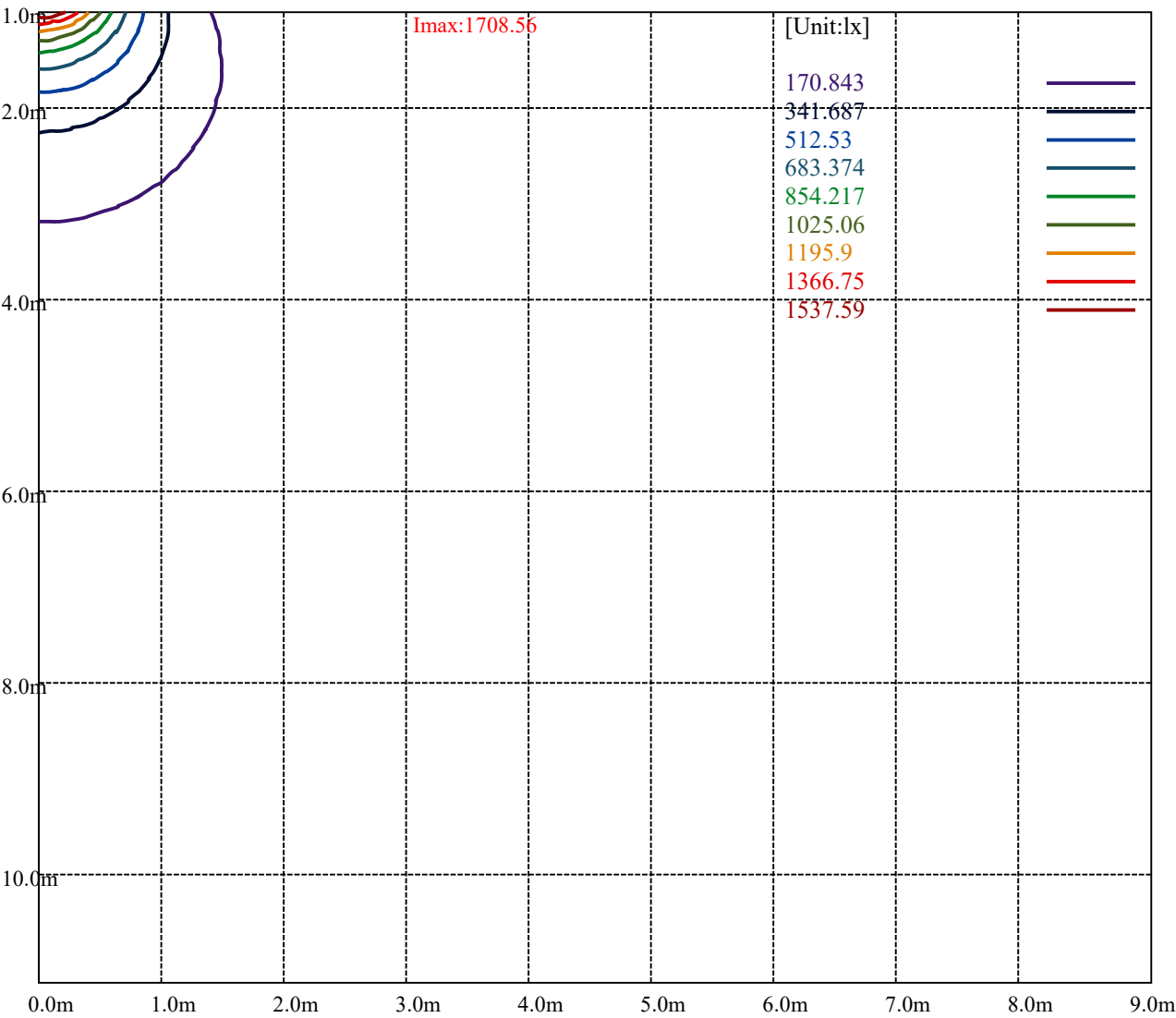
[Unit:cd]

Road

Imax:1708.56	
(10%Imax) 170.856	
(20%Imax) 341.712	
(30%Imax) 512.567	
(40%Imax) 683.423	
(50%Imax) 854.279	
(60%Imax) 1025.13	
(70%Imax) 1195.99	
(80%Imax) 1366.85	
(90%Imax) 1537.7	



(10%Emax)	18.98256	—
(20%Emax)	37.96523	—
(30%Emax)	56.94778	—
(40%Emax)	75.93045	—
(50%Emax)	94.91299	—
(60%Emax)	113.8956	—
(70%Emax)	132.8778	—
(80%Emax)	151.8611	—
(90%Emax)	170.8433	—



Intensity data(cd)

Appendix Page: 19 Total:29

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1708.43	1708.43	1708.56	1708.06	1708.06	1707.44	1706.32	1705.82	1704.70
30.0	1708.43	1708.43	1707.06	1706.82	1706.32	1705.20	1704.58	1703.08	1701.96
60.0	1708.43	1708.43	1705.70	1704.82	1704.82	1703.58	1703.58	1701.59	1701.59
90.0	1708.43	1708.43	1706.82	1706.82	1705.57	1705.57	1704.08	1704.08	1701.71
120.0	1708.43	1708.43	1706.94	1706.94	1706.32	1705.82	1704.20	1703.08	1702.21
150.0	1708.43	1708.43	1703.46	1702.34	1701.46	1701.46	1700.34	1700.34	1698.85
180.0	1708.43	1708.43	1708.56	1708.06	1708.06	1707.44	1706.32	1705.82	1704.70
210.0	1708.43	1708.43	1707.06	1706.82	1706.32	1705.20	1704.58	1703.08	1701.96
240.0	1708.43	1708.43	1705.70	1704.82	1704.82	1703.58	1703.58	1701.59	1701.59
270.0	1708.43	1708.43	1706.82	1706.82	1705.57	1705.57	1704.08	1704.08	1701.71
300.0	1708.43	1708.43	1706.94	1706.94	1706.32	1705.82	1704.20	1703.08	1702.21
330.0	1708.43	1708.43	1703.46	1702.34	1701.46	1701.46	1700.34	1700.34	1698.85
360.0	1708.43	1708.43	1708.56	1708.06	1708.06	1707.44	1706.32	1705.82	1704.70
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1704.08	1702.71	1701.96	1700.59	1699.72	1698.35	1697.36	1694.62	1692.75
30.0	1701.96	1701.22	1699.22	1697.85	1696.49	1695.12	1693.87	1690.76	1689.14
60.0	1699.35	1698.73	1696.73	1695.61	1693.00	1689.39	1689.39	1685.28	1685.28
90.0	1701.71	1698.85	1696.73	1695.49	1691.63	1691.63	1687.27	1687.27	1682.30
120.0	1700.97	1699.72	1698.10	1696.61	1694.74	1693.00	1688.77	1688.77	1684.41
150.0	1698.73	1696.86	1696.36	1694.49	1693.87	1691.76	1688.77	1688.77	1685.41
180.0	1704.08	1702.71	1701.96	1700.59	1699.72	1698.35	1697.36	1694.62	1692.75
210.0	1701.96	1701.22	1699.22	1697.85	1696.49	1695.12	1693.87	1690.76	1689.14
240.0	1699.35	1698.73	1696.73	1695.61	1693.00	1689.39	1689.39	1685.28	1685.28
270.0	1701.71	1698.85	1696.73	1695.49	1691.63	1691.63	1687.27	1687.27	1682.30
300.0	1700.97	1699.72	1698.10	1696.61	1694.74	1693.00	1688.77	1688.77	1684.41
330.0	1698.73	1696.86	1696.36	1694.49	1693.87	1691.76	1688.77	1688.77	1685.41
360.0	1704.08	1702.71	1701.96	1700.59	1699.72	1698.35	1697.36	1694.62	1692.75
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1692.75	1689.89	1688.27	1686.15	1684.54	1682.42	1680.55	1678.31	1673.71
30.0	1686.90	1685.03	1683.04	1681.18	1678.94	1676.82	1674.58	1670.85	1668.23
60.0	1680.43	1678.56	1675.57	1672.96	1669.60	1663.63	1663.63	1657.15	1657.15
90.0	1682.30	1676.69	1673.46	1670.72	1664.25	1664.25	1657.03	1657.03	1649.44
120.0	1681.55	1679.06	1676.32	1673.71	1670.72	1667.98	1664.75	1661.63	1654.91
150.0	1684.16	1681.67	1680.43	1677.82	1676.20	1673.46	1668.73	1668.73	1663.63
180.0	1692.75	1689.89	1688.27	1686.15	1684.54	1682.42	1680.55	1678.31	1673.71
210.0	1686.90	1685.03	1683.04	1681.18	1678.94	1676.82	1674.58	1670.85	1668.23
240.0	1680.43	1678.56	1675.57	1672.96	1669.60	1663.63	1663.63	1657.15	1657.15
270.0	1682.30	1676.69	1673.46	1670.72	1664.25	1664.25	1657.03	1657.03	1649.44
300.0	1681.55	1679.06	1676.32	1673.71	1670.72	1667.98	1664.75	1661.63	1654.91
330.0	1684.16	1681.67	1680.43	1677.82	1676.20	1673.46	1668.73	1668.73	1663.63
360.0	1692.75	1689.89	1688.27	1686.15	1684.54	1682.42	1680.55	1678.31	1673.71
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1671.47	1668.98	1666.49	1663.63	1661.14	1658.15	1655.41	1652.05	1648.94
30.0	1662.51	1662.51	1657.03	1657.03	1651.18	1651.18	1643.96	1643.96	1637.61
60.0	1649.69	1649.69	1642.22	1638.86	1630.77	1630.77	1625.91	1617.08	1617.08
90.0	1649.44	1641.22	1641.22	1632.51	1627.53	1623.30	1619.19	1613.96	1603.76
120.0	1651.05	1647.69	1643.71	1639.98	1635.62	1631.76	1627.41	1623.30	1618.69
150.0	1663.63	1658.15	1655.91	1652.42	1649.93	1646.08	1643.59	1639.48	1632.51
180.0	1671.47	1668.98	1666.49	1663.63	1661.14	1658.15	1655.41	1652.05	1648.94
210.0	1662.51	1662.51	1657.03	1657.03	1651.18	1651.18	1643.96	1643.96	1637.61
240.0	1649.69	1649.69	1642.22	1638.86	1630.77	1630.77	1625.91	1617.08	1617.08
270.0	1649.44	1641.22	1641.22	1632.51	1627.53	1623.30	1619.19	1613.96	1603.76
300.0	1651.05	1647.69	1643.71	1639.98	1635.62	1631.76	1627.41	1623.30	1618.69
330.0	1663.63	1658.15	1655.91	1652.42	1649.93	1646.08	1643.59	1639.48	1632.51
360.0	1671.47	1668.98	1666.49	1663.63	1661.14	1658.15	1655.41	1652.05	1648.94

Intensity data(cd)

Appendix Page: 20 Total:29

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1638.98	1638.98	1635.62	1632.14	1628.53	1624.54	1620.81	1616.83	1612.84
30.0	1634.00	1630.14	1622.43	1622.43	1614.21	1614.21	1605.75	1605.75	1596.66
60.0	1608.24	1608.24	1598.41	1598.41	1588.45	1583.84	1577.87	1567.04	1567.04
90.0	1603.76	1592.93	1592.93	1581.85	1575.63	1570.28	1563.80	1558.33	1545.76
120.0	1614.21	1604.75	1599.77	1594.92	1589.57	1584.59	1573.76	1573.76	1568.03
150.0	1632.51	1625.29	1625.29	1622.18	1613.96	1609.23	1605.62	1600.52	1596.91
180.0	1638.98	1638.98	1635.62	1632.14	1628.53	1624.54	1620.81	1616.83	1612.84
210.0	1634.00	1630.14	1622.43	1622.43	1614.21	1614.21	1605.75	1605.75	1596.66
240.0	1608.24	1608.24	1598.41	1598.41	1588.45	1583.84	1577.87	1567.04	1567.04
270.0	1603.76	1592.93	1592.93	1581.85	1575.63	1570.28	1563.80	1558.33	1545.76
300.0	1614.21	1604.75	1599.77	1594.92	1589.57	1584.59	1573.76	1573.76	1568.03
330.0	1632.51	1625.29	1625.29	1622.18	1613.96	1609.23	1605.62	1600.52	1596.91
360.0	1638.98	1638.98	1635.62	1632.14	1628.53	1624.54	1620.81	1616.83	1612.84
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1608.49	1604.38	1595.92	1591.31	1586.83	1581.98	1577.49	1572.52	1567.66
30.0	1596.66	1587.58	1577.99	1577.99	1567.91	1567.91	1557.46	1557.46	1546.88
60.0	1555.84	1555.84	1544.14	1544.14	1532.06	1532.06	1516.38	1516.38	1503.44
90.0	1545.76	1532.81	1532.81	1519.37	1519.37	1505.55	1497.96	1491.24	1476.68
120.0	1562.81	1551.23	1551.23	1539.41	1533.19	1527.09	1520.61	1514.51	1507.92
150.0	1591.93	1582.60	1582.60	1573.01	1568.53	1562.93	1558.33	1552.48	1547.75
180.0	1608.49	1604.38	1595.92	1591.31	1586.83	1581.98	1577.49	1572.52	1567.66
210.0	1596.66	1587.58	1577.99	1577.99	1567.91	1567.91	1557.46	1557.46	1546.88
240.0	1555.84	1555.84	1544.14	1544.14	1532.06	1532.06	1516.38	1516.38	1503.44
270.0	1545.76	1532.81	1532.81	1519.37	1519.37	1505.55	1497.96	1491.24	1476.68
300.0	1562.81	1551.23	1551.23	1539.41	1533.19	1527.09	1520.61	1514.51	1507.92
330.0	1591.93	1582.60	1582.60	1573.01	1568.53	1562.93	1558.33	1552.48	1547.75
360.0	1608.49	1604.38	1595.92	1591.31	1586.83	1581.98	1577.49	1572.52	1567.66
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1562.68	1557.58	1552.48	1541.90	1536.54	1531.07	1525.47	1519.87	1514.39
30.0	1546.88	1535.55	1535.55	1524.22	1512.52	1512.52	1500.33	1500.33	1487.63
60.0	1496.34	1490.37	1483.15	1476.68	1476.68	1462.74	1455.14	1447.93	1433.36
90.0	1476.68	1461.62	1461.62	1446.18	1446.18	1430.25	1430.25	1413.95	1405.23
120.0	1501.45	1494.60	1488.00	1474.31	1466.97	1460.00	1452.65	1445.44	1437.84
150.0	1541.65	1530.45	1530.45	1519.12	1519.12	1507.42	1501.94	1495.22	1489.50
180.0	1562.68	1557.58	1552.48	1541.90	1536.54	1531.07	1525.47	1519.87	1514.39
210.0	1546.88	1535.55	1535.55	1524.22	1512.52	1512.52	1500.33	1500.33	1487.63
240.0	1496.34	1490.37	1483.15	1476.68	1476.68	1462.74	1455.14	1447.93	1433.36
270.0	1476.68	1461.62	1461.62	1446.18	1446.18	1430.25	1430.25	1413.95	1405.23
300.0	1501.45	1494.60	1488.00	1474.31	1466.97	1460.00	1452.65	1445.44	1437.84
330.0	1541.65	1530.45	1530.45	1519.12	1519.12	1507.42	1501.94	1495.22	1489.50
360.0	1562.68	1557.58	1552.48	1541.90	1536.54	1531.07	1525.47	1519.87	1514.39
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1508.42	1502.57	1496.84	1490.62	1478.29	1472.07	1465.85	1459.38	1453.03
30.0	1487.63	1475.06	1475.06	1461.99	1455.27	1448.55	1434.86	1434.86	1420.79
60.0	1433.36	1418.05	1409.96	1402.74	1394.65	1387.06	1378.60	1370.76	1354.45
90.0	1397.39	1380.21	1380.21	1362.91	1362.91	1345.11	1345.11	1326.94	1317.36
120.0	1430.37	1422.66	1415.19	1399.88	1399.88	1383.95	1375.73	1367.77	1359.30
150.0	1482.65	1476.80	1469.96	1456.89	1456.89	1443.44	1437.10	1429.63	1423.03
180.0	1508.42	1502.57	1496.84	1490.62	1478.29	1472.07	1465.85	1459.38	1453.03
210.0	1487.63	1475.06	1475.06	1461.99	1455.27	1448.55	1434.86	1434.86	1420.79
240.0	1433.36	1418.05	1409.96	1402.74	1394.65	1387.06	1378.60	1370.76	1354.45
270.0	1397.39	1380.21	1380.21	1362.91	1362.91	1345.11	1345.11	1326.94	1317.36
300.0	1430.37	1422.66	1415.19	1399.88	1399.88	1383.95	1375.73	1367.77	1359.30
330.0	1482.65	1476.80	1469.96	1456.89	1456.89	1443.44	1437.10	1429.63	1423.03
360.0	1508.42	1502.57	1496.84	1490.62	1478.29	1472.07	1465.85	1459.38	1453.03

Intensity data(cd)

Appendix Page: 21 Total:29

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1446.43	1439.59	1432.86	1426.27	1419.30	1412.20	1398.26	1391.29	1384.07
30.0	1420.79	1406.60	1406.60	1392.16	1392.16	1377.10	1369.88	1369.88	1346.36
60.0	1354.45	1337.77	1328.93	1320.60	1311.63	1303.42	1285.50	1285.50	1276.28
90.0	1308.52	1298.94	1289.85	1270.93	1270.93	1251.27	1251.27	1231.60	1231.60
120.0	1351.09	1342.63	1334.41	1325.57	1317.11	1299.68	1290.85	1282.13	1273.05
150.0	1415.81	1409.09	1401.37	1394.40	1386.56	1371.88	1371.88	1356.69	1349.47
180.0	1446.43	1439.59	1432.86	1426.27	1419.30	1412.20	1398.26	1391.29	1384.07
210.0	1420.79	1406.60	1406.60	1392.16	1392.16	1377.10	1369.88	1369.88	1346.36
240.0	1354.45	1337.77	1328.93	1320.60	1311.63	1303.42	1285.50	1285.50	1276.28
270.0	1308.52	1298.94	1289.85	1270.93	1270.93	1251.27	1251.27	1231.60	1231.60
300.0	1351.09	1342.63	1334.41	1325.57	1317.11	1299.68	1290.85	1282.13	1273.05
330.0	1415.81	1409.09	1401.37	1394.40	1386.56	1371.88	1371.88	1356.69	1349.47
360.0	1446.43	1439.59	1432.86	1426.27	1419.30	1412.20	1398.26	1391.29	1384.07
C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1376.98	1369.63	1362.17	1354.82	1347.36	1339.64	1332.05	1316.61	1308.77
30.0	1346.36	1330.55	1330.55	1314.62	1314.62	1298.69	1298.69	1282.01	1265.33
60.0	1267.70	1249.40	1249.40	1230.98	1221.15	1212.18	1202.35	1193.14	1183.31
90.0	1211.56	1201.23	1191.27	1170.74	1170.74	1149.95	1149.95	1128.79	1128.79
120.0	1264.09	1254.88	1245.92	1236.33	1227.25	1217.66	1208.45	1189.28	1179.57
150.0	1341.26	1333.79	1325.57	1317.98	1309.52	1293.46	1293.46	1277.03	1277.03
180.0	1376.98	1369.63	1362.17	1354.82	1347.36	1339.64	1332.05	1316.61	1308.77
210.0	1346.36	1330.55	1330.55	1314.62	1314.62	1298.69	1298.69	1282.01	1265.33
240.0	1267.70	1249.40	1249.40	1230.98	1221.15	1212.18	1202.35	1193.14	1183.31
270.0	1211.56	1201.23	1191.27	1170.74	1170.74	1149.95	1149.95	1128.79	1128.79
300.0	1264.09	1254.88	1245.92	1236.33	1227.25	1217.66	1208.45	1189.28	1179.57
330.0	1341.26	1333.79	1325.57	1317.98	1309.52	1293.46	1293.46	1277.03	1277.03
360.0	1376.98	1369.63	1362.17	1354.82	1347.36	1339.64	1332.05	1316.61	1308.77
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	1308.77	1288.98	1288.98	1273.05	1273.05	1256.62	1256.62	1239.94	1223.14
30.0	1265.33	1248.53	1248.53	1231.23	1231.23	1222.27	1209.57	1200.73	1182.81
60.0	1174.10	1154.43	1154.43	1134.64	1134.64	1114.98	1104.52	1094.56	1084.23
90.0	1107.13	1107.13	1085.35	1074.15	1063.45	1041.29	1041.29	1018.76	1018.76
120.0	1170.11	1160.16	1150.57	1140.62	1130.78	1115.47	1105.64	1105.64	1085.35
150.0	1260.23	1252.01	1243.43	1235.09	1226.12	1217.91	1208.95	1191.02	1191.02
180.0	1308.77	1288.98	1288.98	1273.05	1273.05	1256.62	1256.62	1239.94	1223.14
210.0	1265.33	1248.53	1248.53	1231.23	1231.23	1222.27	1209.57	1200.73	1182.81
240.0	1174.10	1154.43	1154.43	1134.64	1134.64	1114.98	1104.52	1094.56	1084.23
270.0	1107.13	1107.13	1085.35	1074.15	1063.45	1041.29	1041.29	1018.76	1018.76
300.0	1170.11	1160.16	1150.57	1140.62	1130.78	1115.47	1105.64	1105.64	1085.35
330.0	1260.23	1252.01	1243.43	1235.09	1226.12	1217.91	1208.95	1191.02	1191.02
360.0	1308.77	1288.98	1288.98	1273.05	1273.05	1256.62	1256.62	1239.94	1223.14
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	1223.14	1206.09	1206.09	1188.78	1188.78	1171.36	1171.36	1153.69	1153.69
30.0	1173.72	1164.64	1155.43	1146.34	1137.50	1127.92	1118.59	1109.00	1100.04
60.0	1074.40	1063.82	1053.74	1043.03	1027.35	1016.77	995.61	995.61	974.20
90.0	996.11	996.11	973.08	973.08	949.81	937.98	926.41	902.76	902.76
120.0	1064.94	1064.94	1044.28	1044.28	1023.24	1023.24	1001.96	1001.96	980.80
150.0	1173.35	1164.39	1155.05	1146.09	1136.76	1127.55	1118.09	1109.00	1099.42
180.0	1223.14	1206.09	1206.09	1188.78	1188.78	1171.36	1171.36	1153.69	1153.69
210.0	1173.72	1164.64	1155.43	1146.34	1137.50	1127.92	1118.59	1109.00	1100.04
240.0	1074.40	1063.82	1053.74	1043.03	1027.35	1016.77	995.61	995.61	974.20
270.0	996.11	996.11	973.08	973.08	949.81	937.98	926.41	902.76	902.76
300.0	1064.94	1064.94	1044.28	1044.28	1023.24	1023.24	1001.96	1001.96	980.80
330.0	1173.35	1164.39	1155.05	1146.09	1136.76	1127.55	1118.09	1109.00	1099.42
360.0	1223.14	1206.09	1206.09	1188.78	1188.78	1171.36	1171.36	1153.69	1153.69

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	1135.89	1117.84	1117.84	1099.54	1099.54	1080.75	1080.75	1062.20	1062.20
30.0	1090.46	1071.54	1062.08	1046.89	1037.31	1037.31	1018.02	1018.02	998.10
60.0	974.20	952.80	952.80	930.89	919.94	908.98	898.28	886.95	864.80
90.0	878.74	878.74	854.72	854.72	830.32	818.00	805.92	781.03	781.03
120.0	970.10	959.27	937.61	937.61	915.83	915.83	893.80	893.80	871.52
150.0	1080.62	1080.62	1061.70	1052.24	1042.29	1032.70	1022.75	1013.04	1003.08
180.0	1135.89	1117.84	1117.84	1099.54	1099.54	1080.75	1080.75	1062.20	1062.20
210.0	1090.46	1071.54	1062.08	1046.89	1037.31	1037.31	1018.02	1018.02	998.10
240.0	974.20	952.80	952.80	930.89	919.94	908.98	898.28	886.95	864.80
270.0	878.74	878.74	854.72	854.72	830.32	818.00	805.92	781.03	781.03
300.0	970.10	959.27	937.61	937.61	915.83	915.83	893.80	893.80	871.52
330.0	1080.62	1080.62	1061.70	1052.24	1042.29	1032.70	1022.75	1013.04	1003.08
360.0	1135.89	1117.84	1117.84	1099.54	1099.54	1080.75	1080.75	1062.20	1062.20

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	1043.41	1043.41	1024.24	1004.95	1004.95	985.53	985.53	965.99	965.99
30.0	998.10	978.31	958.52	958.52	937.86	937.86	917.32	917.32	896.91
60.0	864.80	842.39	842.39	819.86	819.86	797.21	785.88	774.68	763.36
90.0	756.14	756.14	730.87	730.87	705.60	705.60	680.34	667.39	654.57
120.0	871.52	849.36	838.29	826.83	804.31	804.31	781.65	781.65	758.88
150.0	983.29	983.29	963.38	963.38	943.34	933.13	922.92	912.97	902.51
180.0	1043.41	1043.41	1024.24	1004.95	1004.95	985.53	985.53	965.99	965.99
210.0	998.10	978.31	958.52	958.52	937.86	937.86	917.32	917.32	896.91
240.0	864.80	842.39	842.39	819.86	819.86	797.21	785.88	774.68	763.36
270.0	756.14	756.14	730.87	730.87	705.60	705.60	680.34	667.39	654.57
300.0	871.52	849.36	838.29	826.83	804.31	804.31	781.65	781.65	758.88
330.0	983.29	983.29	963.38	963.38	943.34	933.13	922.92	912.97	902.51
360.0	1043.41	1043.41	1024.24	1004.95	1004.95	985.53	985.53	965.99	965.99

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	946.20	946.20	926.66	906.49	906.49	886.70	886.70	866.66	866.66
30.0	896.91	876.62	876.62	855.84	835.05	835.05	814.14	814.14	793.35
60.0	751.78	728.88	728.88	705.85	705.85	682.83	682.83	659.80	648.22
90.0	628.81	628.81	602.79	602.79	577.03	577.03	550.77	537.57	524.50
120.0	758.88	735.97	735.97	712.95	689.80	689.80	666.65	666.65	655.19
150.0	892.30	881.97	861.31	861.31	840.77	830.32	819.99	809.66	799.20
180.0	946.20	946.20	926.66	906.49	906.49	886.70	886.70	866.66	866.66
210.0	896.91	876.62	876.62	855.84	835.05	835.05	814.14	814.14	793.35
240.0	751.78	728.88	728.88	705.85	705.85	682.83	682.83	659.80	648.22
270.0	628.81	628.81	602.79	602.79	577.03	577.03	550.77	537.57	524.50
300.0	758.88	735.97	735.97	712.95	689.80	689.80	666.65	666.65	655.19
330.0	892.30	881.97	861.31	861.31	840.77	830.32	819.99	809.66	799.20
360.0	946.20	946.20	926.66	906.49	906.49	886.70	886.70	866.66	866.66

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	846.50	846.50	826.34	826.34	806.30	786.13	786.13	766.34	766.34
30.0	793.35	772.19	772.19	751.41	740.70	730.25	709.46	709.46	688.68
60.0	624.83	613.37	613.37	589.85	589.85	566.95	566.95	543.80	532.35
90.0	511.19	498.12	471.73	471.73	458.66	438.87	425.68	412.48	399.41
120.0	643.62	620.47	620.47	597.32	585.87	574.17	551.02	551.02	528.11
150.0	788.62	778.29	757.38	757.38	736.60	736.60	715.93	705.35	695.27
180.0	846.50	846.50	826.34	826.34	806.30	786.13	786.13	766.34	766.34
210.0	793.35	772.19	772.19	751.41	740.70	730.25	709.46	709.46	688.68
240.0	624.83	613.37	613.37	589.85	589.85	566.95	566.95	543.80	532.35
270.0	511.19	498.12	471.73	471.73	458.66	438.87	425.68	412.48	399.41
300.0	643.62	620.47	620.47	597.32	585.87	574.17	551.02	551.02	528.11
330.0	788.62	778.29	757.38	757.38	736.60	736.60	715.93	705.35	695.27
360.0	846.50	846.50	826.34	826.34	806.30	786.13	786.13	766.34	766.34

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	746.43	746.43	726.64	726.64	707.10	707.10	688.05	678.59	669.13
30.0	688.68	667.77	667.77	647.23	647.23	627.19	607.27	607.27	587.61
60.0	520.89	509.20	498.12	475.34	475.34	452.81	452.81	430.66	430.66
90.0	373.15	373.15	359.83	333.70	321.00	307.81	295.24	282.17	269.84
120.0	528.11	505.09	505.09	476.71	476.71	465.38	442.98	431.90	420.70
150.0	684.69	674.74	664.16	654.32	634.28	634.28	614.62	614.62	594.95
180.0	746.43	746.43	726.64	726.64	707.10	707.10	688.05	678.59	669.13
210.0	688.68	667.77	667.77	647.23	647.23	627.19	607.27	607.27	587.61
240.0	520.89	509.20	498.12	475.34	475.34	452.81	452.81	430.66	430.66
270.0	373.15	373.15	359.83	333.70	321.00	307.81	295.24	282.17	269.84
300.0	528.11	505.09	505.09	476.71	476.71	465.38	442.98	431.90	420.70
330.0	684.69	674.74	664.16	654.32	634.28	634.28	614.62	614.62	594.95
360.0	746.43	746.43	726.64	726.64	707.10	707.10	688.05	678.59	669.13
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	650.46	650.46	641.38	632.29	614.25	605.53	596.69	579.52	579.52
30.0	587.61	568.19	568.19	549.40	549.40	530.98	521.89	513.18	495.63
60.0	409.00	397.80	387.47	376.39	366.43	346.02	346.02	326.48	326.48
90.0	256.78	244.58	220.06	207.49	196.04	183.59	172.64	172.64	144.13
120.0	410.12	399.04	388.46	377.63	367.43	356.72	336.56	336.56	317.14
150.0	584.75	575.66	565.58	556.99	547.16	538.82	520.77	520.77	511.31
180.0	650.46	650.46	641.38	632.29	614.25	605.53	596.69	579.52	579.52
210.0	587.61	568.19	568.19	549.40	549.40	530.98	521.89	513.18	495.63
240.0	409.00	397.80	387.47	376.39	366.43	346.02	346.02	326.48	326.48
270.0	256.78	244.58	220.06	207.49	196.04	183.59	172.64	172.64	144.13
300.0	410.12	399.04	388.46	377.63	367.43	356.72	336.56	336.56	317.14
330.0	584.75	575.66	565.58	556.99	547.16	538.82	520.77	520.77	511.31
360.0	650.46	650.46	641.38	632.29	614.25	605.53	596.69	579.52	579.52
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	562.72	562.72	546.04	546.04	530.11	530.11	514.67	514.67	499.74
30.0	495.63	478.70	478.70	462.27	462.27	446.46	446.46	431.03	423.94
60.0	307.43	297.35	289.39	279.55	272.09	255.78	255.78	240.60	232.26
90.0	144.13	122.85	113.89	102.56	83.64	83.64	66.22	66.22	50.53
120.0	308.06	298.35	289.88	280.55	272.58	263.75	256.15	247.81	233.00
150.0	494.13	486.67	477.46	470.11	461.27	454.31	439.12	430.78	424.43
180.0	562.72	562.72	546.04	546.04	530.11	530.11	514.67	514.67	499.74
210.0	495.63	478.70	478.70	462.27	462.27	446.46	446.46	431.03	423.94
240.0	307.43	297.35	289.39	279.55	272.09	255.78	255.78	240.60	232.26
270.0	144.13	122.85	113.89	102.56	83.64	83.64	66.22	66.22	50.53
300.0	308.06	298.35	289.88	280.55	272.58	263.75	256.15	247.81	233.00
330.0	494.13	486.67	477.46	470.11	461.27	454.31	439.12	430.78	424.43
360.0	562.72	562.72	546.04	546.04	530.11	530.11	514.67	514.67	499.74
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	485.17	485.17	471.11	471.11	457.67	457.67	444.60	444.60	432.15
30.0	416.47	402.28	402.28	388.96	388.96	376.39	376.39	364.31	364.31
60.0	226.41	226.41	213.21	205.87	201.26	194.54	190.19	180.23	180.23
90.0	50.53	41.57	36.84	25.52	23.65	16.68	10.33	10.33	5.97
120.0	226.53	219.31	213.46	206.62	201.39	195.04	190.44	184.71	180.60
150.0	424.43	410.49	402.65	396.93	389.33	383.86	376.76	371.53	359.96
180.0	485.17	485.17	471.11	471.11	457.67	457.67	444.60	444.60	432.15
210.0	416.47	402.28	402.28	388.96	388.96	376.39	376.39	364.31	364.31
240.0	226.41	226.41	213.21	205.87	201.26	194.54	190.19	180.23	180.23
270.0	50.53	41.57	36.84	25.52	23.65	16.68	10.33	10.33	5.97
300.0	226.53	219.31	213.46	206.62	201.39	195.04	190.44	184.71	180.60
330.0	424.43	410.49	402.65	396.93	389.33	383.86	376.76	371.53	359.96
360.0	485.17	485.17	471.11	471.11	457.67	457.67	444.60	444.60	432.15

Intensity data(cd)										Appendix Page: 24 Total:29	
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0		
0.0	432.15	420.20	408.87	408.87	397.92	397.92	387.59	387.59	377.76		
30.0	352.74	341.91	341.91	331.70	331.70	322.12	322.12	313.03	313.03		
60.0	171.14	171.14	163.05	163.05	156.08	151.97	149.61	146.12	144.13		
90.0	5.97	3.24	3.24	1.99	1.99	1.87	1.87	1.87	1.87		
120.0	175.37	167.04	163.67	159.57	156.70	152.97	150.48	147.24	145.13		
150.0	359.96	349.01	349.01	338.43	332.45	328.59	322.99	319.26	313.91		
180.0	432.15	420.20	408.87	408.87	397.92	397.92	387.59	387.59	377.76		
210.0	352.74	341.91	341.91	331.70	331.70	322.12	322.12	313.03	313.03		
240.0	171.14	171.14	163.05	163.05	156.08	151.97	149.61	146.12	144.13		
270.0	5.97	3.24	3.24	1.99	1.99	1.87	1.87	1.87	1.87		
300.0	175.37	167.04	163.67	159.57	156.70	152.97	150.48	147.24	145.13		
330.0	359.96	349.01	349.01	338.43	332.45	328.59	322.99	319.26	313.91		
360.0	432.15	420.20	408.87	408.87	397.92	397.92	387.59	387.59	377.76		
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5		
0.0	377.76	368.42	359.59	359.59	351.12	351.12	343.16	343.16	335.56		
30.0	304.45	304.45	296.48	289.14	289.14	282.29	282.29	275.70	275.70		
60.0	139.15	139.15	134.80	134.80	130.94	128.70	128.70	125.34	123.97		
90.0	1.87	1.74	1.74	1.62	1.62	1.62	1.62	1.62	1.62		
120.0	142.14	137.66	137.66	133.68	132.18	130.19	128.70	126.96	125.46		
150.0	310.42	302.33	302.33	294.49	290.26	287.40	283.29	280.67	276.69		
180.0	377.76	368.42	359.59	359.59	351.12	351.12	343.16	343.16	335.56		
210.0	304.45	304.45	296.48	289.14	289.14	282.29	282.29	275.70	275.70		
240.0	139.15	139.15	134.80	134.80	130.94	128.70	128.70	125.34	123.97		
270.0	1.87	1.74	1.74	1.62	1.62	1.62	1.62	1.62	1.62		
300.0	142.14	137.66	137.66	133.68	132.18	130.19	128.70	126.96	125.46		
330.0	310.42	302.33	302.33	294.49	290.26	287.40	283.29	280.67	276.69		
360.0	377.76	368.42	359.59	359.59	351.12	351.12	343.16	343.16	335.56		
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0		
0.0	335.56	328.47	328.47	321.62	315.28	315.28	309.18	309.18	303.33		
30.0	269.72	266.73	264.00	261.51	258.64	253.66	253.66	248.93	248.93		
60.0	120.86	120.86	118.00	118.00	115.26	115.26	112.64	111.40	110.28		
90.0	1.62	1.62	1.62	1.49	1.49	1.49	1.49	1.62	1.62		
120.0	123.84	122.48	121.11	118.12	116.88	115.38	114.26	112.89	111.65		
150.0	274.20	268.23	268.23	262.75	262.75	257.40	254.54	252.30	249.56		
180.0	335.56	328.47	328.47	321.62	315.28	315.28	309.18	309.18	303.33		
210.0	269.72	266.73	264.00	261.51	258.64	253.66	253.66	248.93	248.93		
240.0	120.86	120.86	118.00	118.00	115.26	115.26	112.64	111.40	110.28		
270.0	1.62	1.62	1.62	1.49	1.49	1.49	1.49	1.62	1.62		
300.0	123.84	122.48	121.11	118.12	116.88	115.38	114.26	112.89	111.65		
330.0	274.20	268.23	268.23	262.75	262.75	257.40	254.54	252.30	249.56		
360.0	335.56	328.47	328.47	321.62	315.28	315.28	309.18	309.18	303.33		
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5		
0.0	303.33	297.85	297.85	292.50	292.50	287.15	282.04	282.04	276.82		
30.0	244.33	244.33	239.85	239.85	235.37	231.01	231.01	226.65	226.65		
60.0	108.91	107.79	105.42	105.42	103.06	101.81	100.82	100.82	98.70		
90.0	1.62	1.62	1.62	1.62	1.62	1.62	1.74	1.74	1.62		
120.0	110.28	109.16	107.79	106.79	105.42	103.18	102.19	101.07	100.07		
150.0	247.32	244.83	242.59	237.98	237.98	233.50	233.50	229.27	227.03		
180.0	303.33	297.85	297.85	292.50	292.50	287.15	282.04	282.04	276.82		
210.0	244.33	244.33	239.85	239.85	235.37	231.01	231.01	226.65	226.65		
240.0	108.91	107.79	105.42	105.42	103.06	101.81	100.82	100.82	98.70		
270.0	1.62	1.62	1.62	1.62	1.62	1.62	1.74	1.74	1.62		
300.0	110.28	109.16	107.79	106.79	105.42	103.18	102.19	101.07	100.07		
330.0	247.32	244.83	242.59	237.98	237.98	233.50	233.50	229.27	227.03		
360.0	303.33	297.85	297.85	292.50	292.50	287.15	282.04	282.04	276.82		

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	276.82	271.84	271.84	266.86	266.86	261.75	256.90	256.90	254.41
30.0	222.42	222.42	218.19	218.19	213.84	213.84	209.73	205.62	205.62
60.0	97.58	96.59	95.59	94.60	92.60	92.60	90.61	90.61	88.62
90.0	1.62	1.62	1.74	1.74	1.74	1.74	1.74	1.74	1.74
120.0	98.95	97.96	96.71	95.72	94.72	92.73	92.73	90.86	89.99
150.0	224.79	222.67	220.56	218.32	216.32	212.09	212.09	207.98	205.74
180.0	276.82	271.84	271.84	266.86	266.86	261.75	256.90	256.90	254.41
210.0	222.42	222.42	218.19	218.19	213.84	213.84	209.73	205.62	205.62
240.0	97.58	96.59	95.59	94.60	92.60	92.60	90.61	90.61	88.62
270.0	1.62	1.62	1.74	1.74	1.74	1.74	1.74	1.74	1.74
300.0	98.95	97.96	96.71	95.72	94.72	92.73	92.73	90.86	89.99
330.0	224.79	222.67	220.56	218.32	216.32	212.09	212.09	207.98	205.74
360.0	276.82	271.84	271.84	266.86	266.86	261.75	256.90	256.90	254.41
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	251.92	247.19	244.70	242.21	242.21	237.48	237.48	232.63	228.02
30.0	201.64	201.64	197.53	197.53	193.55	193.55	189.56	185.70	185.70
60.0	87.75	86.75	85.88	84.89	83.89	82.90	81.15	81.15	79.41
90.0	1.74	1.74	1.87	1.87	1.87	1.87	1.87	1.87	1.87
120.0	88.99	88.12	87.25	86.38	85.51	84.51	83.52	81.53	80.41
150.0	203.88	201.76	199.77	197.65	195.66	191.68	191.68	187.82	187.82
180.0	251.92	247.19	244.70	242.21	242.21	237.48	237.48	232.63	228.02
210.0	201.64	201.64	197.53	197.53	193.55	193.55	189.56	185.70	185.70
240.0	87.75	86.75	85.88	84.89	83.89	82.90	81.15	81.15	79.41
270.0	1.74	1.74	1.87	1.87	1.87	1.87	1.87	1.87	1.87
300.0	88.99	88.12	87.25	86.38	85.51	84.51	83.52	81.53	80.41
330.0	203.88	201.76	199.77	197.65	195.66	191.68	191.68	187.82	187.82
360.0	251.92	247.19	244.70	242.21	242.21	237.48	237.48	232.63	228.02
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	228.02	223.17	223.17	218.56	218.56	213.84	213.84	209.35	206.99
30.0	181.85	181.85	177.99	177.99	174.25	174.25	170.52	170.52	166.79
60.0	79.41	77.67	76.92	76.30	75.05	74.31	72.07	72.07	69.95
90.0	1.87	1.87	1.87	1.87	1.99	2.12	2.12	2.12	2.12
120.0	79.29	77.79	76.80	75.43	74.43	73.06	72.07	70.95	69.95
150.0	183.84	181.97	179.98	177.99	176.25	174.25	172.39	168.65	168.65
180.0	228.02	223.17	223.17	218.56	218.56	213.84	213.84	209.35	206.99
210.0	181.85	181.85	177.99	177.99	174.25	174.25	170.52	170.52	166.79
240.0	79.41	77.67	76.92	76.30	75.05	74.31	72.07	72.07	69.95
270.0	1.87	1.87	1.87	1.87	1.99	2.12	2.12	2.12	2.12
300.0	79.29	77.79	76.80	75.43	74.43	73.06	72.07	70.95	69.95
330.0	183.84	181.97	179.98	177.99	176.25	174.25	172.39	168.65	168.65
360.0	228.02	223.17	223.17	218.56	218.56	213.84	213.84	209.35	206.99
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	204.75	200.02	200.02	195.66	195.66	191.31	191.31	186.83	186.83
30.0	165.04	163.05	159.44	159.44	155.83	155.83	152.35	152.35	147.12
60.0	69.95	67.83	67.83	65.97	64.60	63.85	61.74	61.74	59.87
90.0	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.24
120.0	67.96	66.96	66.22	64.97	64.35	63.23	62.48	61.49	60.86
150.0	164.92	163.05	161.31	159.44	157.58	155.71	153.97	152.22	150.61
180.0	204.75	200.02	200.02	195.66	195.66	191.31	191.31	186.83	186.83
210.0	165.04	163.05	159.44	159.44	155.83	155.83	152.35	152.35	147.12
240.0	69.95	67.83	67.83	65.97	64.60	63.85	61.74	61.74	59.87
270.0	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.24
300.0	67.96	66.96	66.22	64.97	64.35	63.23	62.48	61.49	60.86
330.0	164.92	163.05	161.31	159.44	157.58	155.71	153.97	152.22	150.61
360.0	204.75	200.02	200.02	195.66	195.66	191.31	191.31	186.83	186.83

C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	182.47	178.24	178.24	173.88	173.88	169.65	169.65	165.54	165.54
30.0	147.12	145.38	143.64	143.64	142.02	137.41	135.67	133.80	131.69
60.0	59.87	58.00	58.00	56.13	55.14	54.52	53.52	52.90	51.41
90.0	2.37	2.37	2.37	2.37	2.37	2.37	2.49	2.49	2.49
120.0	59.87	57.88	57.88	56.26	56.26	54.64	54.64	53.27	53.27
150.0	146.87	146.87	143.39	141.64	139.78	138.03	136.29	134.55	132.68
180.0	182.47	178.24	178.24	173.88	173.88	169.65	169.65	165.54	165.54
210.0	147.12	145.38	143.64	143.64	142.02	137.41	135.67	133.80	131.69
240.0	59.87	58.00	58.00	56.13	55.14	54.52	53.52	52.90	51.41
270.0	2.37	2.37	2.37	2.37	2.37	2.37	2.49	2.49	2.49
300.0	59.87	57.88	57.88	56.26	56.26	54.64	54.64	53.27	53.27
330.0	146.87	146.87	143.39	141.64	139.78	138.03	136.29	134.55	132.68
360.0	182.47	178.24	178.24	173.88	173.88	169.65	169.65	165.54	165.54
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	161.43	159.44	157.33	153.22	153.22	149.24	149.24	145.25	145.25
30.0	129.82	127.45	122.97	121.11	118.74	117.00	114.63	113.02	110.90
60.0	51.41	49.66	49.66	48.79	48.17	47.42	46.30	46.30	45.31
90.0	2.49	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
120.0	51.90	51.28	50.91	49.79	49.79	48.79	48.79	47.67	47.67
150.0	129.07	129.07	125.59	125.59	122.35	120.48	118.87	116.63	115.01
180.0	161.43	159.44	157.33	153.22	153.22	149.24	149.24	145.25	145.25
210.0	129.82	127.45	122.97	121.11	118.74	117.00	114.63	113.02	110.90
240.0	51.41	49.66	49.66	48.79	48.17	47.42	46.30	46.30	45.31
270.0	2.49	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
300.0	51.90	51.28	50.91	49.79	49.79	48.79	48.79	47.67	47.67
330.0	129.07	129.07	125.59	125.59	122.35	120.48	118.87	116.63	115.01
360.0	161.43	159.44	157.33	153.22	153.22	149.24	149.24	145.25	145.25
C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	141.15	141.15	137.16	133.18	133.18	129.20	129.20	125.09	125.09
30.0	109.28	107.17	105.55	103.56	99.95	98.33	96.46	94.97	92.98
60.0	44.81	44.44	43.94	43.44	42.57	42.57	42.07	41.57	40.70
90.0	2.61	2.74	2.74	2.74	2.74	2.74	2.86	2.86	2.86
120.0	46.68	46.68	45.68	45.18	44.68	43.56	43.56	42.44	42.44
150.0	112.64	111.02	107.29	104.80	103.31	101.07	99.70	97.46	96.09
180.0	141.15	141.15	137.16	133.18	133.18	129.20	129.20	125.09	125.09
210.0	109.28	107.17	105.55	103.56	99.95	98.33	96.46	94.97	92.98
240.0	44.81	44.44	43.94	43.44	42.57	42.57	42.07	41.57	40.70
270.0	2.61	2.74	2.74	2.74	2.74	2.74	2.86	2.86	2.86
300.0	46.68	46.68	45.68	45.18	44.68	43.56	43.56	42.44	42.44
330.0	112.64	111.02	107.29	104.80	103.31	101.07	99.70	97.46	96.09
360.0	141.15	141.15	137.16	133.18	133.18	129.20	129.20	125.09	125.09
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	121.11	121.11	117.12	117.12	113.39	111.52	109.66	106.05	106.05
30.0	91.36	89.62	88.00	86.26	82.90	81.40	79.66	78.17	78.17
60.0	40.70	39.58	39.58	38.58	38.58	37.34	37.34	36.10	35.60
90.0	2.86	2.99	2.99	2.99	3.11	3.11	3.11	3.11	3.11
120.0	41.07	41.07	39.95	39.95	38.71	37.46	37.46	36.34	36.34
150.0	93.85	92.60	90.49	89.12	85.76	85.76	82.40	80.53	79.16
180.0	121.11	121.11	117.12	117.12	113.39	111.52	109.66	106.05	106.05
210.0	91.36	89.62	88.00	86.26	82.90	81.40	79.66	78.17	78.17
240.0	40.70	39.58	39.58	38.58	38.58	37.34	37.34	36.10	35.60
270.0	2.86	2.99	2.99	2.99	3.11	3.11	3.11	3.11	3.11
300.0	41.07	41.07	39.95	39.95	38.71	37.46	37.46	36.34	36.34
330.0	93.85	92.60	90.49	89.12	85.76	85.76	82.40	80.53	79.16
360.0	121.11	121.11	117.12	117.12	113.39	111.52	109.66	106.05	106.05

C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	102.56	102.56	98.95	98.95	95.34	95.34	91.98	88.62	88.62
30.0	75.30	73.69	72.32	70.82	69.45	68.08	65.35	63.98	62.73
60.0	35.22	34.48	33.98	32.98	32.98	31.99	31.99	30.87	30.87
90.0	3.24	3.36	3.36	3.49	3.49	3.49	3.61	3.61	3.61
120.0	35.85	35.22	34.10	34.10	33.11	32.61	32.24	31.12	31.12
150.0	77.42	76.05	74.31	72.94	69.95	69.95	67.09	67.09	64.23
180.0	102.56	102.56	98.95	98.95	95.34	95.34	91.98	88.62	88.62
210.0	75.30	73.69	72.32	70.82	69.45	68.08	65.35	63.98	62.73
240.0	35.22	34.48	33.98	32.98	32.98	31.99	31.99	30.87	30.87
270.0	3.24	3.36	3.36	3.49	3.49	3.49	3.61	3.61	3.61
300.0	35.85	35.22	34.10	34.10	33.11	32.61	32.24	31.12	31.12
330.0	77.42	76.05	74.31	72.94	69.95	69.95	67.09	67.09	64.23
360.0	102.56	102.56	98.95	98.95	95.34	95.34	91.98	88.62	88.62
C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	85.26	85.26	82.15	82.15	78.79	78.79	75.68	72.56	72.56
30.0	61.61	60.74	59.37	58.62	57.38	56.51	55.26	54.52	52.53
60.0	29.75	29.37	28.63	28.25	27.76	26.76	26.76	25.89	25.89
90.0	3.61	3.61	3.73	3.73	3.73	3.73	3.73	3.73	3.73
120.0	30.25	30.25	29.25	29.25	28.38	28.38	27.26	26.51	26.14
150.0	62.73	61.61	60.12	60.12	57.38	56.14	53.77	53.77	51.41
180.0	85.26	85.26	82.15	82.15	78.79	78.79	75.68	72.56	72.56
210.0	61.61	60.74	59.37	58.62	57.38	56.51	55.26	54.52	52.53
240.0	29.75	29.37	28.63	28.25	27.76	26.76	26.76	25.89	25.89
270.0	3.61	3.61	3.73	3.73	3.73	3.73	3.73	3.73	3.73
300.0	30.25	30.25	29.25	29.25	28.38	28.38	27.26	26.51	26.14
330.0	62.73	61.61	60.12	60.12	57.38	56.14	53.77	53.77	51.41
360.0	85.26	85.26	82.15	82.15	78.79	78.79	75.68	72.56	72.56
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	69.58	69.58	66.47	66.47	63.48	63.48	60.74	60.74	57.75
30.0	51.41	50.53	49.29	48.54	47.42	46.43	45.31	44.56	42.57
60.0	24.89	24.89	23.90	23.53	22.90	21.91	21.91	20.91	20.91
90.0	3.73	3.73	3.73	3.73	3.86	3.73	3.86	3.86	3.86
120.0	25.27	25.27	24.27	24.27	23.53	23.53	22.53	22.53	21.78
150.0	50.53	49.54	48.54	47.55	46.68	45.43	44.44	43.44	41.32
180.0	69.58	69.58	66.47	66.47	63.48	63.48	60.74	60.74	57.75
210.0	51.41	50.53	49.29	48.54	47.42	46.43	45.31	44.56	42.57
240.0	24.89	24.89	23.90	23.53	22.90	21.91	21.91	20.91	20.91
270.0	3.73	3.73	3.73	3.73	3.86	3.73	3.86	3.86	3.86
300.0	25.27	25.27	24.27	24.27	23.53	23.53	22.53	22.53	21.78
330.0	50.53	49.54	48.54	47.55	46.68	45.43	44.44	43.44	41.32
360.0	69.58	69.58	66.47	66.47	63.48	63.48	60.74	60.74	57.75
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	55.02	55.02	52.28	52.28	49.54	49.54	46.80	46.80	44.31
30.0	41.57	40.70	39.58	38.83	37.71	36.97	35.97	35.97	35.10
60.0	19.92	19.92	18.92	18.42	17.67	17.43	16.68	15.68	15.68
90.0	3.86	3.86	3.86	3.98	4.11	4.23	4.36	4.36	4.48
120.0	20.91	20.91	19.92	19.92	19.04	18.42	18.17	18.17	17.30
150.0	41.32	39.58	38.71	37.46	36.72	35.72	34.85	33.86	31.99
180.0	55.02	55.02	52.28	52.28	49.54	49.54	46.80	46.80	44.31
210.0	41.57	40.70	39.58	38.83	37.71	36.97	35.97	35.97	35.10
240.0	19.92	19.92	18.92	18.42	17.67	17.43	16.68	15.68	15.68
270.0	3.86	3.86	3.86	3.98	4.11	4.23	4.36	4.36	4.48
300.0	20.91	20.91	19.92	19.92	19.04	18.42	18.17	18.17	17.30
330.0	41.32	39.58	38.71	37.46	36.72	35.72	34.85	33.86	31.99
360.0	55.02	55.02	52.28	52.28	49.54	49.54	46.80	46.80	44.31

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	44.31	41.70	38.58	38.58	37.34	35.97	34.60	33.11	31.86
30.0	32.74	30.74	30.74	28.75	28.75	26.88	26.88	24.77	24.77
60.0	14.69	14.69	13.69	13.69	12.95	12.70	12.32	12.07	11.58
90.0	4.48	4.61	4.61	4.73	4.73	4.73	4.73	4.73	4.85
120.0	16.93	16.55	15.68	15.68	14.81	14.81	13.94	13.94	13.07
150.0	31.24	30.12	30.12	28.38	27.63	26.51	25.76	24.65	23.77
180.0	44.31	41.70	38.58	38.58	37.34	35.97	34.60	33.11	31.86
210.0	32.74	30.74	30.74	28.75	28.75	26.88	26.88	24.77	24.77
240.0	14.69	14.69	13.69	13.69	12.95	12.70	12.32	12.07	11.58
270.0	4.48	4.61	4.61	4.73	4.73	4.73	4.73	4.73	4.85
300.0	16.93	16.55	15.68	15.68	14.81	14.81	13.94	13.94	13.07
330.0	31.24	30.12	30.12	28.38	27.63	26.51	25.76	24.65	23.77
360.0	44.31	41.70	38.58	38.58	37.34	35.97	34.60	33.11	31.86
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	30.74	29.50	27.13	26.14	24.89	23.90	22.78	21.53	20.16
30.0	22.78	22.78	20.91	19.29	19.29	17.55	17.55	16.93	15.19
60.0	10.83	10.83	10.33	10.33	9.71	9.71	9.34	8.96	8.84
90.0	4.85	4.85	4.85	4.85	4.85	4.98	4.98	4.98	4.98
120.0	12.82	12.20	11.58	11.33	10.33	10.33	9.58	9.58	8.84
150.0	22.78	20.91	20.91	19.17	18.42	17.55	16.93	16.18	15.56
180.0	30.74	29.50	27.13	26.14	24.89	23.90	22.78	21.53	20.16
210.0	22.78	22.78	20.91	19.29	19.29	17.55	17.55	16.93	15.19
240.0	10.83	10.83	10.33	10.33	9.71	9.71	9.34	8.96	8.84
270.0	4.85	4.85	4.85	4.85	4.85	4.98	4.98	4.98	4.98
300.0	12.82	12.20	11.58	11.33	10.33	10.33	9.58	9.58	8.84
330.0	22.78	20.91	20.91	19.17	18.42	17.55	16.93	16.18	15.56
360.0	30.74	29.50	27.13	26.14	24.89	23.90	22.78	21.53	20.16
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	19.42	18.30	17.43	15.43	14.19	13.44	12.45	11.70	10.83
30.0	14.69	13.44	12.95	11.33	10.33	9.83	9.09	8.59	7.97
60.0	8.34	8.34	7.97	7.97	7.47	7.47	7.22	6.85	6.72
90.0	4.98	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10
120.0	8.84	8.09	8.09	7.34	6.85	6.85	6.72	6.47	6.10
150.0	14.81	13.44	13.44	12.07	12.07	10.83	10.21	9.58	9.09
180.0	19.42	18.30	17.43	15.43	14.19	13.44	12.45	11.70	10.83
210.0	14.69	13.44	12.95	11.33	10.33	9.83	9.09	8.59	7.97
240.0	8.34	8.34	7.97	7.97	7.47	7.47	7.22	6.85	6.72
270.0	4.98	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10
300.0	8.84	8.09	8.09	7.34	6.85	6.85	6.72	6.47	6.10
330.0	14.81	13.44	13.44	12.07	12.07	10.83	10.21	9.58	9.09
360.0	19.42	18.30	17.43	15.43	14.19	13.44	12.45	11.70	10.83
C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	10.83	8.22	7.72	6.60	6.22	4.61	4.36	4.36	3.98
30.0	7.47	7.09	6.72	6.35	5.73	5.60	5.35	5.35	5.23
60.0	6.47	6.47	6.35	6.35	6.22	6.22	5.97	5.97	5.73
90.0	5.10	5.10	5.10	5.23	5.23	5.23	5.23	5.23	5.23
120.0	6.10	5.73	5.73	5.48	5.35	5.23	5.23	5.23	5.23
150.0	8.71	8.22	7.97	7.09	7.09	6.47	6.47	6.10	5.73
180.0	10.83	8.22	7.72	6.60	6.22	4.61	4.36	4.36	3.98
210.0	7.47	7.09	6.72	6.35	5.73	5.60	5.35	5.35	5.23
240.0	6.47	6.47	6.35	6.35	6.22	6.22	5.97	5.97	5.73
270.0	5.10	5.10	5.10	5.23	5.23	5.23	5.23	5.23	5.23
300.0	6.10	5.73	5.73	5.48	5.35	5.23	5.23	5.23	5.23
330.0	8.71	8.22	7.97	7.09	7.09	6.47	6.47	6.10	5.73
360.0	10.83	8.22	7.72	6.60	6.22	4.61	4.36	4.36	3.98

Intensity data(cd)

Appendix Page: 29 Total:29

C/γ(°)	180.0
0.0	3.98
30.0	5.23
60.0	5.35
90.0	5.23
120.0	5.23
150.0	5.60
180.0	3.98
210.0	5.23
240.0	5.35
270.0	5.23
300.0	5.23
330.0	5.60
360.0	3.98