

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	50.000 W
Luminaire	:		:	
LampCAT	:	Ballast type	:	
Lamp flux	:	Width	:	109 mm
Number of Lamps	:	Length	:	164 mm
Phm Type	:	Height	:	0 mm

Photometric Results

Lumens(lm)	: 6000.00	Central intensity(cd)	: 2312.873
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 2326.185
Luminous Efficacy(lm/W)	: 120.00	Angle of maximum intensity	: C=150.0 γ =2.0
IES Classification	: TypeII	Max Cd(At 90°Vert)	: 6.279
Longitudinal Classification	: VeryShort	Max Cd(80 to 90°Vert)	: 84.262
Cut Off Classification	: FullCutoff		
Beam Angle(50%Imax)	: [C0/180]Total=107.2 [C90/270]Total=110.4		
Field angle(10%Imax)	: [C0/180]Total=144.8 [C90/270]Total=146.6		
Street Side UpWard Lumens	: 0.07%of Lamp 0.07%of Luminaire		
Street Side DownWard Lumens	: 49.93%of Lamp 49.93%of Luminaire		
House Side UpWard Lumens	: 0.07%of Lamp 0.07%of Luminaire		
House Side DownWard Lumens	: 49.93%of Lamp 49.93%of Luminaire		
SLI: 5.641 (C Flash Area: 0.004), Throw: 103.2 (long), Spread: 26.0 (narrow), Control: 5.641 (tight)			

Zonal flux distribution table

Appendix Page: 2 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2312.873	0.000	0	0.00%	0.00%
0.5	2312.873	0.553	0.553	0.01%	0.01%
1.0	2318.085	1.662	2.215	0.03%	0.04%
1.5	2317.792	2.773	4.988	0.05%	0.08%
2.0	2317.708	3.881	8.869	0.06%	0.15%
2.5	2316.222	4.988	13.856	0.08%	0.23%
3.0	2316.096	6.093	19.949	0.10%	0.33%
3.5	2314.904	7.198	27.147	0.12%	0.45%
4.0	2314.925	8.302	35.449	0.14%	0.59%
4.5	2312.727	9.402	44.851	0.16%	0.75%
5.0	2310.718	10.496	55.347	0.17%	0.92%
5.5	2309.441	11.590	66.937	0.19%	1.12%
6.0	2308.541	12.684	79.621	0.21%	1.33%
6.5	2306.302	13.774	93.395	0.23%	1.56%
7.0	2303.581	14.855	108.25	0.25%	1.80%
7.5	2302.304	15.935	124.185	0.27%	2.07%
8.0	2298.704	17.010	141.195	0.28%	2.35%
8.5	2297.365	18.081	159.276	0.30%	2.65%
9.0	2293.702	19.147	178.423	0.32%	2.97%
9.5	2290.563	20.202	198.625	0.34%	3.31%
10.0	2287.695	21.256	219.881	0.35%	3.66%
10.5	2284.995	22.307	242.188	0.37%	4.04%
11.0	2281.605	23.352	265.54	0.39%	4.43%
11.5	2277.503	24.384	289.925	0.41%	4.83%
12.0	2274.175	25.412	315.336	0.42%	5.26%
12.5	2268.963	26.427	341.764	0.44%	5.70%
13.0	2266.975	27.445	369.208	0.46%	6.15%
13.5	2260.549	28.449	397.658	0.47%	6.63%
14.0	2257.284	29.439	427.097	0.49%	7.12%
14.5	2250.880	30.423	457.52	0.51%	7.63%
15.0	2246.108	31.389	488.909	0.52%	8.15%
15.5	2241.106	32.358	521.267	0.54%	8.69%
16.0	2236.314	33.319	554.587	0.56%	9.24%
16.5	2229.888	34.263	588.85	0.57%	9.81%
17.0	2222.709	35.180	624.03	0.59%	10.40%
17.5	2219.758	36.117	660.146	0.60%	11.00%
18.0	2210.884	37.031	697.178	0.62%	11.62%
18.5	2208.289	37.941	735.119	0.63%	12.25%

Zonal flux distribution table

Appendix Page: 3 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	2198.661	38.836	773.955	0.65%	12.90%
19.5	2195.417	39.716	813.671	0.66%	13.56%
20.0	2186.145	40.591	854.262	0.68%	14.24%
20.5	2181.039	41.440	895.702	0.69%	14.93%
21.0	2173.944	42.300	938.003	0.71%	15.63%
21.5	2168.272	43.146	981.149	0.72%	16.35%
22.0	2159.000	43.961	1025.11	0.73%	17.09%
22.5	2151.089	44.742	1069.852	0.75%	17.83%
23.0	2145.752	45.555	1115.406	0.76%	18.59%
23.5	2133.738	46.313	1161.719	0.77%	19.36%
24.0	2128.904	47.066	1208.785	0.78%	20.15%
24.5	2118.481	47.826	1256.611	0.80%	20.94%
25.0	2111.134	48.546	1305.158	0.81%	21.75%
25.5	2099.937	49.247	1354.404	0.82%	22.57%
26.0	2093.010	49.940	1404.345	0.83%	23.41%
26.5	2081.435	50.617	1454.962	0.84%	24.25%
27.0	2070.719	51.236	1506.198	0.85%	25.10%
27.5	2061.594	51.872	1558.07	0.86%	25.97%
28.0	2054.227	52.539	1610.609	0.88%	26.84%
28.5	2043.449	53.173	1663.782	0.89%	27.73%
29.0	2030.807	53.725	1717.507	0.90%	28.63%
29.5	2022.687	54.300	1771.807	0.90%	29.53%
30.0	2009.145	54.849	1826.656	0.91%	30.44%
30.5	1997.717	55.340	1881.995	0.92%	31.37%
31.0	1987.378	55.860	1937.856	0.93%	32.30%
31.5	1977.165	56.385	1994.241	0.94%	33.24%
32.0	1962.054	56.829	2051.07	0.95%	34.18%
32.5	1951.338	57.250	2108.32	0.95%	35.14%
33.0	1939.638	57.707	2166.028	0.96%	36.10%
33.5	1924.841	58.090	2224.117	0.97%	37.07%
34.0	1914.502	58.478	2282.595	0.97%	38.04%
34.5	1899.161	58.843	2341.438	0.98%	39.02%
35.0	1889.219	59.200	2400.638	0.99%	40.01%
35.5	1873.146	59.531	2460.169	0.99%	41.00%
36.0	1859.897	59.794	2519.963	1.00%	42.00%
36.5	1846.900	60.091	2580.054	1.00%	43.00%
37.0	1833.714	60.374	2640.429	1.01%	44.01%
37.5	1814.606	60.542	2700.97	1.01%	45.02%

Zonal flux distribution table

Appendix Page: 4 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1801.629	60.696	2761.666	1.01%	46.03%
38.5	1787.146	60.911	2822.577	1.02%	47.04%
39.0	1765.798	60.968	2883.546	1.02%	48.06%
39.5	1757.971	61.123	2944.669	1.02%	49.08%
40.0	1736.769	61.265	3005.934	1.02%	50.10%
40.5	1718.812	61.211	3067.145	1.02%	51.12%
41.0	1703.240	61.240	3128.385	1.02%	52.14%
41.5	1688.087	61.303	3189.688	1.02%	53.16%
42.0	1669.480	61.294	3250.982	1.02%	54.18%
42.5	1650.791	61.203	3312.185	1.02%	55.20%
43.0	1634.801	61.144	3373.329	1.02%	56.22%
43.5	1615.399	61.054	3434.383	1.02%	57.24%
44.0	1598.718	60.934	3495.316	1.02%	58.26%
44.5	1576.156	60.736	3556.052	1.01%	59.27%
45.0	1564.938	60.626	3616.678	1.01%	60.28%
45.5	1544.762	60.546	3677.224	1.01%	61.29%
46.0	1524.398	60.271	3737.496	1.00%	62.29%
46.5	1503.385	59.962	3797.458	1.00%	63.29%
47.0	1482.727	59.629	3857.087	0.99%	64.28%
47.5	1462.216	59.287	3916.374	0.99%	65.27%
48.0	1446.540	59.029	3975.402	0.98%	66.26%
48.5	1427.662	58.788	4034.19	0.98%	67.24%
49.0	1401.940	58.324	4092.514	0.97%	68.21%
49.5	1383.668	57.854	4150.368	0.96%	69.17%
50.0	1357.674	57.361	4207.729	0.96%	70.13%
50.5	1338.021	56.820	4264.549	0.95%	71.08%
51.0	1315.312	56.331	4320.88	0.94%	72.01%
51.5	1294.487	55.800	4376.68	0.93%	72.94%
52.0	1274.228	55.304	4431.984	0.92%	73.87%
52.5	1252.629	54.775	4486.759	0.91%	74.78%
53.0	1224.311	54.054	4540.813	0.90%	75.68%
53.5	1201.958	53.297	4594.11	0.89%	76.57%
54.0	1180.171	52.667	4646.777	0.88%	77.45%
54.5	1145.135	51.737	4698.514	0.86%	78.31%
55.0	1128.789	50.910	4749.424	0.85%	79.16%
55.5	1096.327	50.123	4799.547	0.84%	79.99%
56.0	1066.691	49.017	4848.564	0.82%	80.81%
56.5	1041.429	48.055	4896.619	0.80%	81.61%

Zonal flux distribution table

Appendix Page: 5 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	1014.681	47.141	4943.759	0.79%	82.40%
57.5	983.999	46.085	4989.844	0.77%	83.16%
58.0	952.374	44.897	5034.741	0.75%	83.91%
58.5	926.066	43.792	5078.533	0.73%	84.64%
59.0	894.002	42.658	5121.191	0.71%	85.35%
59.5	866.752	41.485	5162.676	0.69%	86.04%
60.0	830.398	40.193	5202.869	0.67%	86.71%
60.5	812.398	39.102	5241.971	0.65%	87.37%
61.0	776.504	38.006	5279.977	0.63%	88.00%
61.5	744.838	36.567	5316.544	0.61%	88.61%
62.0	714.218	35.236	5351.78	0.59%	89.20%
62.5	691.656	34.110	5385.89	0.57%	89.76%
63.0	666.353	33.099	5418.989	0.55%	90.32%
63.5	630.856	31.758	5450.746	0.53%	90.85%
64.0	610.638	30.526	5481.272	0.51%	91.35%
64.5	574.347	29.261	5510.533	0.49%	91.84%
65.0	558.754	28.096	5538.63	0.47%	92.31%
65.5	523.530	26.946	5565.575	0.45%	92.76%
66.0	501.010	25.610	5591.185	0.43%	93.19%
66.5	475.789	24.511	5615.697	0.41%	93.59%
67.0	458.104	23.524	5639.221	0.39%	93.99%
67.5	434.014	22.555	5661.776	0.38%	94.36%
68.0	413.650	21.509	5683.284	0.36%	94.72%
68.5	391.528	20.503	5703.787	0.34%	95.06%
69.0	369.363	19.442	5723.229	0.32%	95.39%
69.5	354.399	18.555	5741.784	0.31%	95.70%
70.0	324.762	17.469	5759.253	0.29%	95.99%
70.5	316.935	16.558	5775.811	0.28%	96.26%
71.0	292.113	15.764	5791.574	0.26%	96.53%
71.5	276.981	14.774	5806.348	0.25%	96.77%
72.0	259.275	13.962	5820.311	0.23%	97.01%
72.5	248.035	13.246	5833.557	0.22%	97.23%
73.0	229.848	12.512	5846.069	0.21%	97.43%
73.5	214.987	11.678	5857.747	0.19%	97.63%
74.0	204.669	11.045	5868.792	0.18%	97.81%
74.5	190.814	10.435	5879.227	0.17%	97.99%
75.0	179.533	9.796	5889.023	0.16%	98.15%
75.5	162.810	9.076	5898.099	0.15%	98.30%

Zonal flux distribution table

Appendix Page: 6 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	157.997	8.524	5906.624	0.14%	98.44%
76.5	140.939	7.961	5914.584	0.13%	98.58%
77.0	135.016	7.364	5921.948	0.12%	98.70%
77.5	122.521	6.886	5928.835	0.11%	98.81%
78.0	115.887	6.387	5935.222	0.11%	98.92%
78.5	104.731	5.922	5941.144	0.10%	99.02%
79.0	95.669	5.388	5946.532	0.09%	99.11%
79.5	89.662	4.992	5951.524	0.08%	99.19%
80.0	79.302	4.558	5956.082	0.08%	99.27%
80.5	75.137	4.173	5960.255	0.07%	99.34%
81.0	65.635	3.809	5964.064	0.06%	99.40%
81.5	60.319	3.413	5967.477	0.06%	99.46%
82.0	53.747	3.095	5970.572	0.05%	99.51%
82.5	50.105	2.821	5973.393	0.05%	99.56%
83.0	44.433	2.571	5975.964	0.04%	99.60%
83.5	39.661	2.290	5978.253	0.04%	99.64%
84.0	36.040	2.063	5980.316	0.03%	99.67%
84.5	31.080	1.831	5982.147	0.03%	99.70%
85.0	28.820	1.635	5983.783	0.03%	99.73%
85.5	23.608	1.432	5985.215	0.02%	99.75%
86.0	22.018	1.247	5986.462	0.02%	99.77%
86.5	17.874	1.091	5987.554	0.02%	99.79%
87.0	15.048	0.901	5988.455	0.02%	99.81%
87.5	12.265	0.748	5989.203	0.01%	99.82%
88.0	10.841	0.633	5989.836	0.01%	99.83%
88.5	8.498	0.530	5990.366	0.01%	99.84%
89.0	7.011	0.425	5990.791	0.01%	99.85%
89.5	5.609	0.346	5991.137	0.01%	99.85%
90.0	4.291	0.271	5991.408	0.00%	99.86%
90.5	2.805	0.195	5991.603	0.00%	99.86%
91.0	1.675	0.123	5991.726	0.00%	99.86%
91.5	1.382	0.084	5991.809	0.00%	99.86%
92.0	1.277	0.073	5991.882	0.00%	99.86%
92.5	1.256	0.069	5991.952	0.00%	99.87%
93.0	1.256	0.069	5992.02	0.00%	99.87%
93.5	1.256	0.069	5992.089	0.00%	99.87%
94.0	1.214	0.068	5992.157	0.00%	99.87%
94.5	1.172	0.065	5992.222	0.00%	99.87%

Zonal flux distribution table

Appendix Page: 7 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	1.130	0.063	5992.285	0.00%	99.87%
95.5	1.088	0.061	5992.345	0.00%	99.87%
96.0	1.068	0.059	5992.404	0.00%	99.87%
96.5	1.047	0.058	5992.462	0.00%	99.87%
97.0	1.005	0.056	5992.518	0.00%	99.88%
97.5	1.005	0.055	5992.572	0.00%	99.88%
98.0	1.005	0.055	5992.627	0.00%	99.88%
98.5	1.005	0.055	5992.681	0.00%	99.88%
99.0	1.005	0.054	5992.736	0.00%	99.88%
99.5	1.005	0.054	5992.79	0.00%	99.88%
100.0	1.005	0.054	5992.845	0.00%	99.88%
100.5	1.005	0.054	5992.899	0.00%	99.88%
101.0	1.005	0.054	5992.953	0.00%	99.88%
101.5	1.005	0.054	5993.007	0.00%	99.88%
102.0	1.005	0.054	5993.061	0.00%	99.88%
102.5	1.005	0.054	5993.115	0.00%	99.89%
103.0	1.005	0.054	5993.169	0.00%	99.89%
103.5	1.005	0.054	5993.222	0.00%	99.89%
104.0	1.005	0.054	5993.276	0.00%	99.89%
104.5	1.005	0.053	5993.329	0.00%	99.89%
105.0	1.005	0.053	5993.382	0.00%	99.89%
105.5	1.005	0.053	5993.436	0.00%	99.89%
106.0	1.005	0.053	5993.489	0.00%	99.89%
106.5	1.005	0.053	5993.542	0.00%	99.89%
107.0	1.005	0.053	5993.594	0.00%	99.89%
107.5	0.984	0.052	5993.646	0.00%	99.89%
108.0	1.005	0.052	5993.698	0.00%	99.89%
108.5	1.005	0.052	5993.751	0.00%	99.90%
109.0	1.005	0.052	5993.803	0.00%	99.90%
109.5	1.005	0.052	5993.855	0.00%	99.90%
110.0	1.005	0.052	5993.907	0.00%	99.90%
110.5	1.005	0.052	5993.958	0.00%	99.90%
111.0	1.005	0.052	5994.01	0.00%	99.90%
111.5	1.005	0.051	5994.061	0.00%	99.90%
112.0	1.005	0.051	5994.112	0.00%	99.90%
112.5	1.005	0.051	5994.163	0.00%	99.90%
113.0	1.026	0.051	5994.215	0.00%	99.90%
113.5	1.047	0.052	5994.267	0.00%	99.90%

Zonal flux distribution table

Appendix Page: 8 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	1.047	0.053	5994.32	0.00%	99.91%
114.5	1.047	0.052	5994.372	0.00%	99.91%
115.0	1.047	0.052	5994.424	0.00%	99.91%
115.5	1.089	0.053	5994.477	0.00%	99.91%
116.0	1.130	0.055	5994.532	0.00%	99.91%
116.5	1.130	0.056	5994.587	0.00%	99.91%
117.0	1.130	0.055	5994.643	0.00%	99.91%
117.5	1.172	0.056	5994.699	0.00%	99.91%
118.0	1.193	0.057	5994.756	0.00%	99.91%
118.5	1.193	0.058	5994.814	0.00%	99.91%
119.0	1.193	0.057	5994.871	0.00%	99.91%
119.5	1.214	0.058	5994.929	0.00%	99.92%
120.0	1.214	0.058	5994.986	0.00%	99.92%
120.5	1.235	0.058	5995.044	0.00%	99.92%
121.0	1.235	0.058	5995.103	0.00%	99.92%
121.5	1.256	0.058	5995.161	0.00%	99.92%
122.0	1.256	0.059	5995.22	0.00%	99.92%
122.5	1.256	0.058	5995.278	0.00%	99.92%
123.0	1.256	0.058	5995.336	0.00%	99.92%
123.5	1.256	0.058	5995.393	0.00%	99.92%
124.0	1.256	0.057	5995.451	0.00%	99.92%
124.5	1.256	0.057	5995.508	0.00%	99.93%
125.0	1.256	0.057	5995.564	0.00%	99.93%
125.5	1.256	0.056	5995.62	0.00%	99.93%
126.0	1.277	0.056	5995.677	0.00%	99.93%
126.5	1.319	0.057	5995.734	0.00%	99.93%
127.0	1.340	0.058	5995.793	0.00%	99.93%
127.5	1.340	0.058	5995.851	0.00%	99.93%
128.0	1.361	0.059	5995.91	0.00%	99.93%
128.5	1.361	0.059	5995.968	0.00%	99.93%
129.0	1.361	0.058	5996.026	0.00%	99.93%
129.5	1.382	0.058	5996.085	0.00%	99.93%
130.0	1.382	0.058	5996.143	0.00%	99.94%
130.5	1.382	0.058	5996.201	0.00%	99.94%
131.0	1.403	0.058	5996.259	0.00%	99.94%
131.5	1.403	0.058	5996.316	0.00%	99.94%
132.0	1.403	0.057	5996.374	0.00%	99.94%
132.5	1.445	0.058	5996.432	0.00%	99.94%

Zonal flux distribution table

Appendix Page: 9 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	1.486	0.059	5996.491	0.00%	99.94%
133.5	1.486	0.059	5996.55	0.00%	99.94%
134.0	1.507	0.059	5996.609	0.00%	99.94%
134.5	1.507	0.059	5996.668	0.00%	99.94%
135.0	1.507	0.059	5996.727	0.00%	99.95%
135.5	1.507	0.058	5996.785	0.00%	99.95%
136.0	1.507	0.058	5996.843	0.00%	99.95%
136.5	1.507	0.057	5996.9	0.00%	99.95%
137.0	1.507	0.057	5996.957	0.00%	99.95%
137.5	1.507	0.056	5997.013	0.00%	99.95%
138.0	1.528	0.056	5997.069	0.00%	99.95%
138.5	1.528	0.056	5997.124	0.00%	99.95%
139.0	1.570	0.056	5997.18	0.00%	99.95%
139.5	1.611	0.057	5997.237	0.00%	99.95%
140.0	1.611	0.057	5997.294	0.00%	99.95%
140.5	1.632	0.057	5997.351	0.00%	99.96%
141.0	1.632	0.057	5997.408	0.00%	99.96%
141.5	1.653	0.056	5997.464	0.00%	99.96%
142.0	1.653	0.056	5997.52	0.00%	99.96%
142.5	1.653	0.055	5997.576	0.00%	99.96%
143.0	1.653	0.055	5997.631	0.00%	99.96%
143.5	1.695	0.055	5997.686	0.00%	99.96%
144.0	1.695	0.055	5997.741	0.00%	99.96%
144.5	1.695	0.054	5997.795	0.00%	99.96%
145.0	1.695	0.054	5997.849	0.00%	99.96%
145.5	1.695	0.053	5997.902	0.00%	99.97%
146.0	1.695	0.052	5997.954	0.00%	99.97%
146.5	1.716	0.052	5998.006	0.00%	99.97%
147.0	1.716	0.052	5998.057	0.00%	99.97%
147.5	1.716	0.051	5998.108	0.00%	99.97%
148.0	1.758	0.051	5998.159	0.00%	99.97%
148.5	1.800	0.051	5998.21	0.00%	99.97%
149.0	1.800	0.051	5998.262	0.00%	99.97%
149.5	1.821	0.051	5998.312	0.00%	99.97%
150.0	1.862	0.051	5998.363	0.00%	99.97%
150.5	1.862	0.051	5998.414	0.00%	99.97%
151.0	1.862	0.050	5998.464	0.00%	99.97%
151.5	1.883	0.049	5998.513	0.00%	99.98%

Zonal flux distribution table

Appendix Page: 10 Total:28

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	1.883	0.049	5998.562	0.00%	99.98%
152.5	1.883	0.048	5998.61	0.00%	99.98%
153.0	1.883	0.047	5998.657	0.00%	99.98%
153.5	1.883	0.046	5998.704	0.00%	99.98%
154.0	1.883	0.046	5998.75	0.00%	99.98%
154.5	1.883	0.045	5998.794	0.00%	99.98%
155.0	1.883	0.044	5998.838	0.00%	99.98%
155.5	1.883	0.043	5998.882	0.00%	99.98%
156.0	1.883	0.042	5998.924	0.00%	99.98%
156.5	1.883	0.042	5998.966	0.00%	99.98%
157.0	1.883	0.041	5999.006	0.00%	99.98%
157.5	1.883	0.040	5999.046	0.00%	99.98%
158.0	1.883	0.039	5999.085	0.00%	99.98%
158.5	1.883	0.038	5999.124	0.00%	99.99%
159.0	1.925	0.038	5999.162	0.00%	99.99%
159.5	1.946	0.038	5999.199	0.00%	99.99%
160.0	1.946	0.037	5999.236	0.00%	99.99%
160.5	1.967	0.036	5999.272	0.00%	99.99%
161.0	2.009	0.036	5999.308	0.00%	99.99%
161.5	2.009	0.035	5999.344	0.00%	99.99%
162.0	2.009	0.034	5999.378	0.00%	99.99%
162.5	2.009	0.034	5999.412	0.00%	99.99%
163.0	2.009	0.033	5999.444	0.00%	99.99%
163.5	2.009	0.032	5999.476	0.00%	99.99%
164.0	2.009	0.031	5999.507	0.00%	99.99%
164.5	2.009	0.030	5999.537	0.00%	99.99%
165.0	2.009	0.029	5999.566	0.00%	99.99%
165.5	2.009	0.028	5999.594	0.00%	99.99%
166.0	2.009	0.027	5999.621	0.00%	99.99%
166.5	2.009	0.026	5999.647	0.00%	99.99%
167.0	2.009	0.025	5999.672	0.00%	99.99%
167.5	2.009	0.024	5999.697	0.00%	99.99%
168.0	2.009	0.023	5999.72	0.00%	100.00%
168.5	2.009	0.022	5999.743	0.00%	100.00%
169.0	2.009	0.021	5999.764	0.00%	100.00%
169.5	2.030	0.021	5999.785	0.00%	100.00%
170.0	2.030	0.020	5999.805	0.00%	100.00%
170.5	2.030	0.019	5999.823	0.00%	100.00%

Zonal flux distribution table

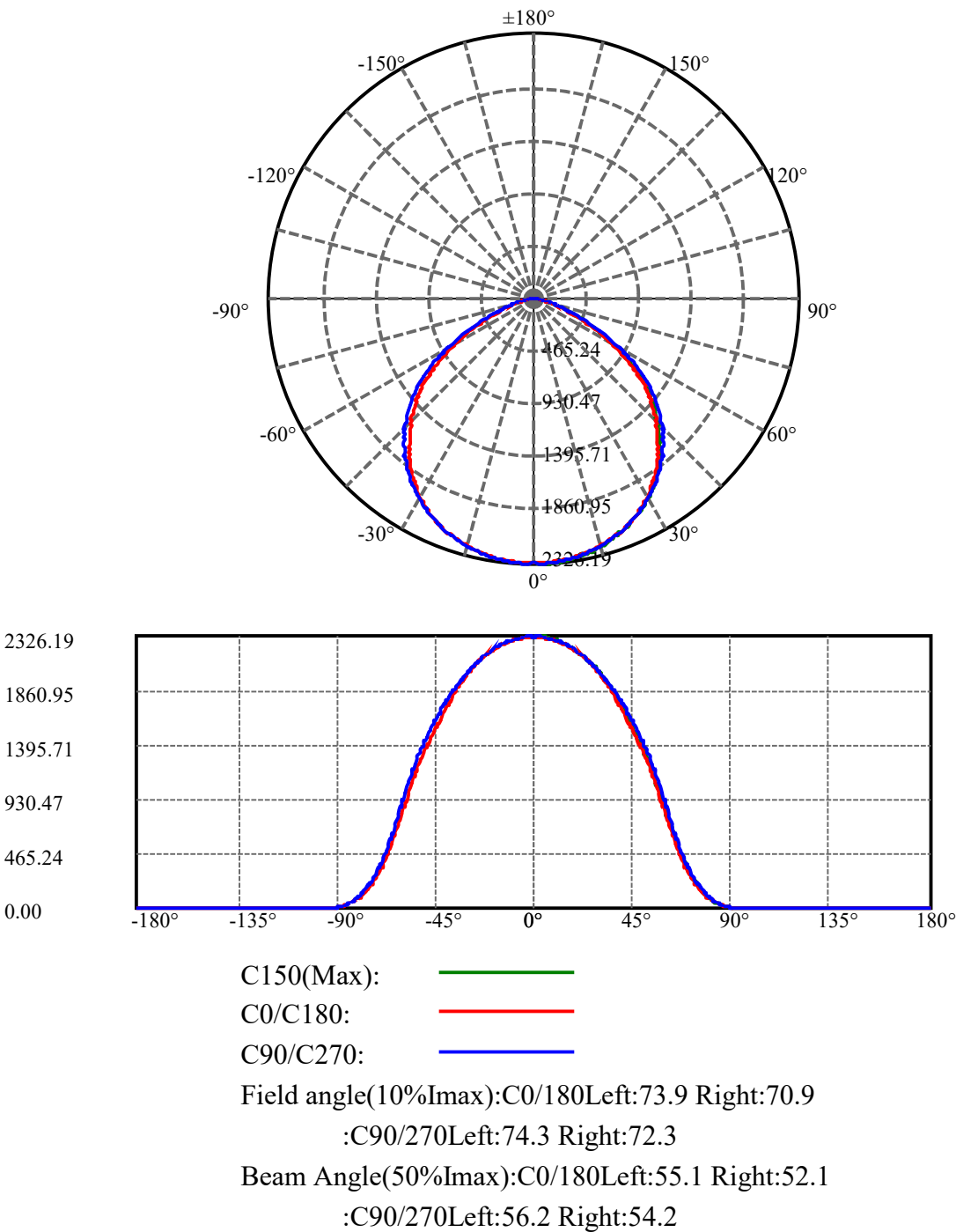
Appendix Page: 11 Total:28

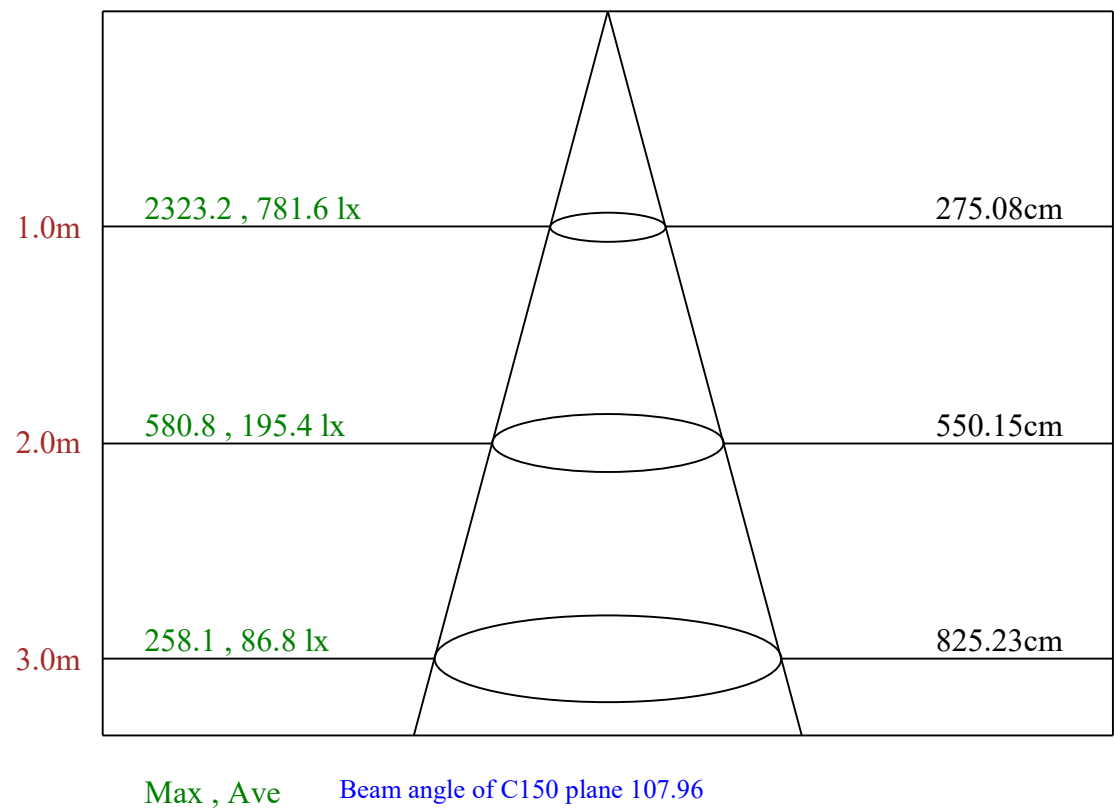
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	2.030	0.018	5999.841	0.00%	100.00%
171.5	2.030	0.017	5999.858	0.00%	100.00%
172.0	2.051	0.016	5999.874	0.00%	100.00%
172.5	2.051	0.015	5999.889	0.00%	100.00%
173.0	2.051	0.014	5999.904	0.00%	100.00%
173.5	2.030	0.013	5999.917	0.00%	100.00%
174.0	2.051	0.012	5999.929	0.00%	100.00%
174.5	2.072	0.011	5999.94	0.00%	100.00%
175.0	2.072	0.010	5999.951	0.00%	100.00%
175.5	2.072	0.009	5999.96	0.00%	100.00%
176.0	2.072	0.008	5999.968	0.00%	100.00%
176.5	2.072	0.007	5999.976	0.00%	100.00%
177.0	2.093	0.006	5999.982	0.00%	100.00%
177.5	2.093	0.006	5999.988	0.00%	100.00%
178.0	2.072	0.004	5999.992	0.00%	100.00%
178.5	2.093	0.003	5999.996	0.00%	100.00%
179.0	2.114	0.003	5999.998	0.00%	100.00%
179.5	2.093	0.002	6000	0.00%	100.00%
180.0	2.093	0.001	6000	0.00%	100.00%

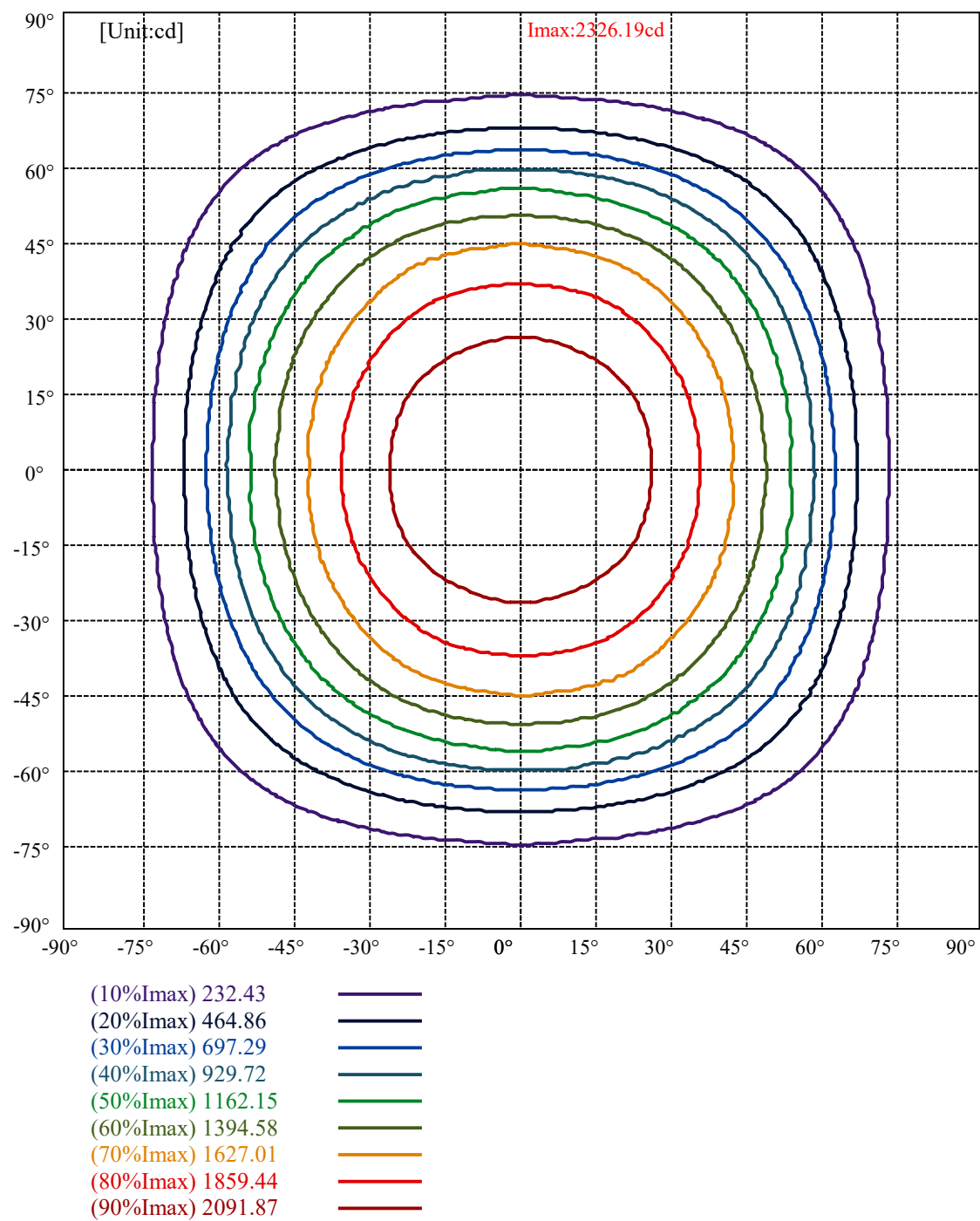
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1826.66	30.44%	30.44%
0-40	3005.93	50.10%	50.10%
0-60	5202.87	86.71%	86.71%
0-90	5991.41	99.86%	99.86%
0-120	5994.99	99.92%	99.92%
0-180	6000.00	100.00%	100.00%
60-90	788.54	13.14%	13.14%
90-120	3.58	0.06%	0.06%
90-130	4.73	0.08%	0.08%
90-150	6.96	0.12%	0.12%
90-180	8.59	0.14%	0.14%
0-55.50	4800.00	80.00%	80.00%

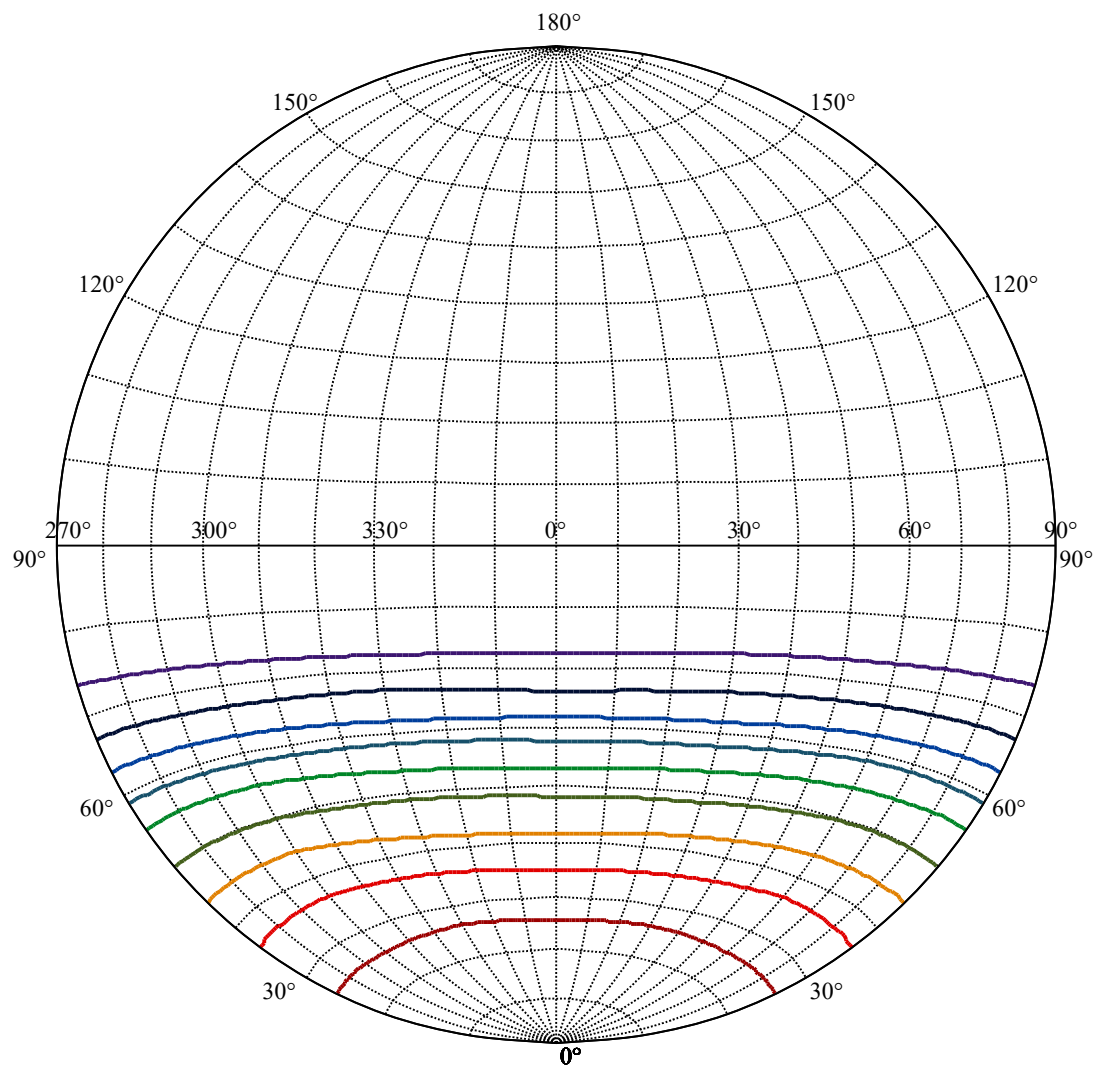
ZONAL LUMEN SUMMARY

0-10	219.88
10-20	634.38
20-30	972.39
30-40	1179.28
40-50	1201.80
50-60	995.14
60-70	556.38
70-80	196.83
80-90	35.33
90-100	1.44
100-110	1.06
110-120	1.08
120-130	1.16
130-140	1.15
140-150	1.07
150-160	0.87
160-170	0.57
170-180	0.20







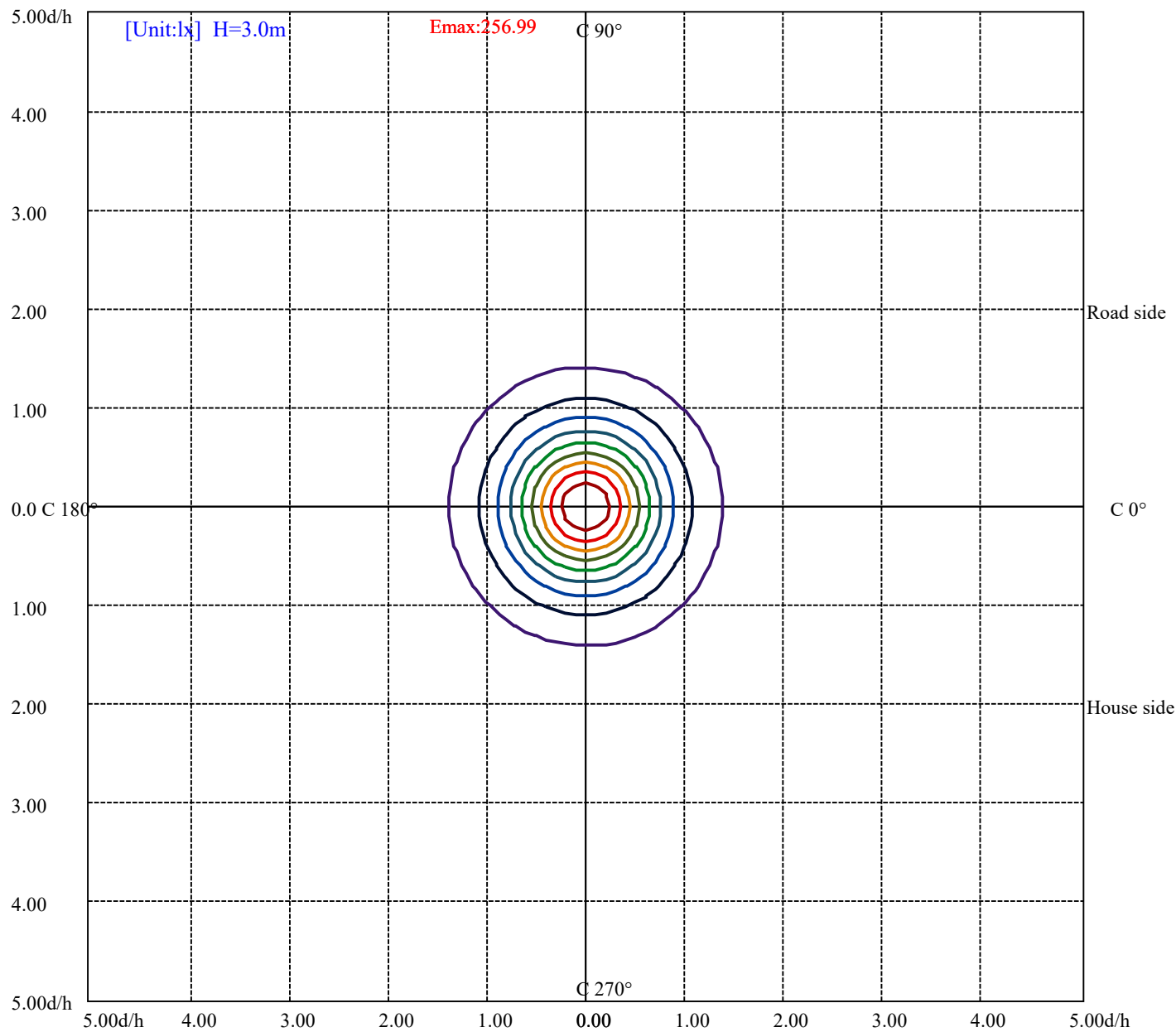


House

[Unit:cd]

Road

Imax:2326.19	
(10%Imax) 232.618	
(20%Imax) 465.237	
(30%Imax) 697.856	
(40%Imax) 930.474	
(50%Imax) 1163.09	
(60%Imax) 1395.71	
(70%Imax) 1628.33	
(80%Imax) 1860.95	
(90%Imax) 2093.57	



(10%Emax)	25.69855	—
(20%Emax)	51.39722	—
(30%Emax)	77.09578	—
(40%Emax)	102.7943	—
(50%Emax)	128.4933	—
(60%Emax)	154.1911	—
(70%Emax)	179.89	—
(80%Emax)	205.5889	—
(90%Emax)	231.2878	—

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	2312.87	2312.87	2312.87	2312.87	2310.74	2310.74	2310.74	2310.74	2311.37
30.0	2312.87	2312.87	2316.39	2315.89	2315.89	2315.26	2315.26	2314.38	2314.38
60.0	2312.87	2312.87	2315.64	2313.88	2313.88	2312.25	2311.74	2310.24	2309.11
90.0	2312.87	2312.87	2324.30	2324.05	2324.05	2321.41	2321.41	2318.52	2318.40
120.0	2312.87	2312.87	2315.89	2315.51	2315.51	2313.25	2313.25	2312.37	2312.37
150.0	2312.87	2312.87	2323.42	2324.55	2326.19	2324.43	2324.18	2323.17	2323.92
180.0	2312.87	2312.87	2312.87	2312.87	2310.74	2310.74	2310.74	2310.74	2311.37
210.0	2312.87	2312.87	2316.39	2315.89	2315.89	2315.26	2315.26	2314.38	2314.38
240.0	2312.87	2312.87	2315.64	2313.88	2313.88	2312.25	2311.74	2310.24	2309.11
270.0	2312.87	2312.87	2324.30	2324.05	2324.05	2321.41	2321.41	2318.52	2318.40
300.0	2312.87	2312.87	2315.89	2315.51	2315.51	2313.25	2313.25	2312.37	2312.37
330.0	2312.87	2312.87	2323.42	2324.55	2326.19	2324.43	2324.18	2323.17	2323.92
360.0	2312.87	2312.87	2312.87	2312.87	2310.74	2310.74	2310.74	2310.74	2311.37

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2308.98	2305.09	2303.71	2302.95	2300.57	2300.57	2299.06	2299.06	2295.92
30.0	2311.37	2309.73	2309.61	2307.98	2307.10	2304.08	2304.08	2300.06	2300.06
60.0	2307.73	2306.34	2305.21	2302.58	2299.31	2298.31	2296.80	2292.40	2290.77
90.0	2316.26	2315.01	2312.62	2312.62	2309.61	2303.46	2303.46	2297.68	2297.68
120.0	2309.73	2307.47	2307.60	2306.72	2304.46	2301.07	2301.07	2298.43	2298.43
150.0	2322.29	2320.66	2317.90	2318.40	2316.77	2314.00	2309.36	2304.59	2301.32
180.0	2308.98	2305.09	2303.71	2302.95	2300.57	2300.57	2299.06	2299.06	2295.92
210.0	2311.37	2309.73	2309.61	2307.98	2307.10	2304.08	2304.08	2300.06	2300.06
240.0	2307.73	2306.34	2305.21	2302.58	2299.31	2298.31	2296.80	2292.40	2290.77
270.0	2316.26	2315.01	2312.62	2312.62	2309.61	2303.46	2303.46	2297.68	2297.68
300.0	2309.73	2307.47	2307.60	2306.72	2304.46	2301.07	2301.07	2298.43	2298.43
330.0	2322.29	2320.66	2317.90	2318.40	2316.77	2314.00	2309.36	2304.59	2301.32
360.0	2308.98	2305.09	2303.71	2302.95	2300.57	2300.57	2299.06	2299.06	2295.92

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	2295.92	2288.14	2284.12	2278.59	2276.21	2273.69	2265.91	2265.91	2258.37
30.0	2295.42	2292.15	2289.52	2285.62	2282.48	2276.33	2276.33	2268.80	2268.80
60.0	2288.76	2286.25	2283.99	2281.10	2278.09	2274.20	2271.56	2264.53	2264.53
90.0	2292.91	2292.53	2288.89	2287.88	2283.49	2280.10	2276.21	2268.67	2268.67
120.0	2293.54	2290.14	2288.39	2284.74	2280.85	2274.95	2274.95	2267.41	2267.41
150.0	2295.67	2294.16	2291.28	2292.03	2288.51	2285.75	2280.10	2278.47	2274.07
180.0	2295.92	2288.14	2284.12	2278.59	2276.21	2273.69	2265.91	2265.91	2258.37
210.0	2295.42	2292.15	2289.52	2285.62	2282.48	2276.33	2276.33	2268.80	2268.80
240.0	2288.76	2286.25	2283.99	2281.10	2278.09	2274.20	2271.56	2264.53	2264.53
270.0	2292.91	2292.53	2288.89	2287.88	2283.49	2280.10	2276.21	2268.67	2268.67
300.0	2293.54	2290.14	2288.39	2284.74	2280.85	2274.95	2274.95	2267.41	2267.41
330.0	2295.67	2294.16	2291.28	2292.03	2288.51	2285.75	2280.10	2278.47	2274.07
360.0	2295.92	2288.14	2284.12	2278.59	2276.21	2273.69	2265.91	2265.91	2258.37

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	2258.37	2247.95	2247.95	2240.79	2235.52	2230.62	2219.44	2219.44	2210.40
30.0	2259.63	2259.63	2249.83	2244.56	2240.17	2235.14	2231.25	2221.58	2221.58
60.0	2256.74	2252.60	2248.33	2242.93	2238.53	2233.76	2228.24	2223.09	2218.94
90.0	2261.01	2261.01	2252.22	2247.45	2240.42	2236.02	2228.74	2219.07	2219.07
120.0	2260.01	2260.01	2250.96	2247.07	2242.93	2237.65	2232.13	2220.45	2220.45
150.0	2267.54	2262.52	2255.99	2253.85	2249.08	2244.69	2239.54	2232.63	2228.11
180.0	2258.37	2247.95	2247.95	2240.79	2235.52	2230.62	2219.44	2219.44	2210.40
210.0	2259.63	2259.63	2249.83	2244.56	2240.17	2235.14	2231.25	2221.58	2221.58
240.0	2256.74	2252.60	2248.33	2242.93	2238.53	2233.76	2228.24	2223.09	2218.94
270.0	2261.01	2261.01	2252.22	2247.45	2240.42	2236.02	2228.74	2219.07	2219.07
300.0	2260.01	2260.01	2250.96	2247.07	2242.93	2237.65	2232.13	2220.45	2220.45
330.0	2267.54	2262.52	2255.99	2253.85	2249.08	2244.69	2239.54	2232.63	2228.11
360.0	2258.37	2247.95	2247.95	2240.79	2235.52	2230.62	2219.44	2219.44	2210.40

Intensity data(cd)

Appendix Page: 19 Total:28

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	2210.40	2200.86	2200.86	2192.32	2188.18	2180.14	2172.98	2165.70	2153.27
30.0	2210.65	2210.65	2199.98	2199.98	2188.55	2182.15	2177.88	2171.35	2166.07
60.0	2208.27	2202.24	2197.59	2191.06	2185.54	2180.01	2173.99	2166.70	2158.92
90.0	2209.90	2209.90	2199.10	2194.71	2186.79	2181.14	2174.49	2168.21	2159.54
120.0	2208.64	2208.64	2197.22	2197.22	2184.53	2179.51	2172.98	2166.33	2158.92
150.0	2217.44	2217.44	2197.22	2197.22	2183.28	2183.28	2171.35	2171.35	2157.28
180.0	2210.40	2200.86	2200.86	2192.32	2188.18	2180.14	2172.98	2165.70	2153.27
210.0	2210.65	2210.65	2199.98	2199.98	2188.55	2182.15	2177.88	2171.35	2166.07
240.0	2208.27	2202.24	2197.59	2191.06	2185.54	2180.01	2173.99	2166.70	2158.92
270.0	2209.90	2209.90	2199.10	2194.71	2186.79	2181.14	2174.49	2168.21	2159.54
300.0	2208.64	2208.64	2197.22	2197.22	2184.53	2179.51	2172.98	2166.33	2158.92
330.0	2217.44	2217.44	2197.22	2197.22	2183.28	2183.28	2171.35	2171.35	2157.28
360.0	2210.40	2200.86	2200.86	2192.32	2188.18	2180.14	2172.98	2165.70	2153.27

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	2153.27	2138.57	2138.57	2124.63	2124.63	2104.79	2096.76	2087.97	2070.89
30.0	2151.88	2151.88	2138.07	2138.07	2124.13	2124.13	2107.56	2098.01	2089.72
60.0	2152.14	2145.86	2132.29	2124.26	2115.22	2106.30	2097.26	2088.47	2079.30
90.0	2145.98	2145.98	2131.42	2124.38	2115.97	2109.06	2099.77	2093.87	2083.95
120.0	2145.98	2145.98	2131.79	2131.79	2115.34	2106.93	2097.76	2089.22	2080.93
150.0	2157.28	2146.23	2130.29	2130.29	2115.59	2115.59	2100.52	2100.52	2083.82
180.0	2153.27	2138.57	2138.57	2124.63	2124.63	2104.79	2096.76	2087.97	2070.89
210.0	2151.88	2151.88	2138.07	2138.07	2124.13	2124.13	2107.56	2098.01	2089.72
240.0	2152.14	2145.86	2132.29	2124.26	2115.22	2106.30	2097.26	2088.47	2079.30
270.0	2145.98	2145.98	2131.42	2124.38	2115.97	2109.06	2099.77	2093.87	2083.95
300.0	2145.98	2145.98	2131.79	2131.79	2115.34	2106.93	2097.76	2089.22	2080.93
330.0	2157.28	2146.23	2130.29	2130.29	2115.59	2115.59	2100.52	2100.52	2083.82
360.0	2153.27	2138.57	2138.57	2124.63	2124.63	2104.79	2096.76	2087.97	2070.89

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	2070.89	2050.04	2050.04	2029.32	2029.32	2007.72	2007.72	1988.13	1978.84
30.0	2070.51	2062.10	2051.30	2051.30	2039.74	2020.78	2009.23	1987.50	1987.50
60.0	2071.01	2062.72	2055.44	2039.12	2029.70	2021.54	2013.12	2003.70	1993.41
90.0	2065.74	2065.74	2057.32	2047.03	2028.07	2028.07	2007.97	2000.06	1989.51
120.0	2062.35	2062.35	2044.64	2044.64	2029.20	2029.20	2009.73	1999.81	1990.02
150.0	2083.82	2066.62	2066.62	2049.29	2028.82	2028.82	2007.09	2007.09	1984.99
180.0	2070.89	2050.04	2050.04	2029.32	2029.32	2007.72	2007.72	1988.13	1978.84
210.0	2070.51	2062.10	2051.30	2051.30	2039.74	2020.78	2009.23	1987.50	1987.50
240.0	2071.01	2062.72	2055.44	2039.12	2029.70	2021.54	2013.12	2003.70	1993.41
270.0	2065.74	2065.74	2057.32	2047.03	2028.07	2028.07	2007.97	2000.06	1989.51
300.0	2062.35	2062.35	2044.64	2044.64	2029.20	2029.20	2009.73	1999.81	1990.02
330.0	2083.82	2066.62	2066.62	2049.29	2028.82	2028.82	2007.09	2007.09	1984.99
360.0	2070.89	2050.04	2050.04	2029.32	2029.32	2007.72	2007.72	1988.13	1978.84

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1965.15	1940.54	1940.54	1915.30	1915.30	1888.93	1888.93	1862.43	1849.12
30.0	1966.53	1955.98	1943.43	1932.88	1920.32	1909.40	1896.08	1885.41	1871.60
60.0	1983.99	1973.31	1963.90	1953.72	1931.50	1919.82	1909.40	1897.97	1887.80
90.0	1981.48	1971.05	1948.95	1948.95	1928.36	1928.36	1905.00	1893.95	1880.89
120.0	1980.85	1970.93	1950.71	1950.71	1931.25	1931.25	1909.90	1909.90	1888.80
150.0	1984.99	1960.51	1960.51	1936.27	1922.33	1909.27	1885.66	1885.66	1860.67
180.0	1965.15	1940.54	1940.54	1915.30	1915.30	1888.93	1888.93	1862.43	1849.12
210.0	1966.53	1955.98	1943.43	1932.88	1920.32	1909.40	1896.08	1885.41	1871.60
240.0	1983.99	1973.31	1963.90	1953.72	1931.50	1919.82	1909.40	1897.97	1887.80
270.0	1981.48	1971.05	1948.95	1948.95	1928.36	1928.36	1905.00	1893.95	1880.89
300.0	1980.85	1970.93	1950.71	1950.71	1931.25	1931.25	1909.90	1909.90	1888.80
330.0	1984.99	1960.51	1960.51	1936.27	1922.33	1909.27	1885.66	1885.66	1860.67
360.0	1965.15	1940.54	1940.54	1915.30	1915.30	1888.93	1888.93	1862.43	1849.12

Intensity data(cd)

Appendix Page: 20 Total:28

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1832.67	1817.35	1802.40	1768.88	1768.88	1736.98	1736.98	1705.58	1705.58
30.0	1844.35	1844.35	1816.34	1803.79	1788.72	1774.15	1757.82	1742.25	1725.43
60.0	1874.23	1862.43	1849.62	1837.69	1824.25	1812.70	1785.20	1785.20	1758.33
90.0	1870.34	1857.28	1845.48	1831.16	1806.80	1806.80	1782.31	1782.31	1755.19
120.0	1877.12	1866.32	1854.77	1842.71	1817.72	1817.72	1790.98	1790.98	1765.36
150.0	1860.67	1833.67	1833.67	1803.41	1803.41	1774.53	1741.50	1741.50	1710.73
180.0	1832.67	1817.35	1802.40	1768.88	1768.88	1736.98	1736.98	1705.58	1705.58
210.0	1844.35	1844.35	1816.34	1803.79	1788.72	1774.15	1757.82	1742.25	1725.43
240.0	1874.23	1862.43	1849.62	1837.69	1824.25	1812.70	1785.20	1785.20	1758.33
270.0	1870.34	1857.28	1845.48	1831.16	1806.80	1806.80	1782.31	1782.31	1755.19
300.0	1877.12	1866.32	1854.77	1842.71	1817.72	1817.72	1790.98	1790.98	1765.36
330.0	1860.67	1833.67	1833.67	1803.41	1803.41	1774.53	1741.50	1741.50	1710.73
360.0	1832.67	1817.35	1802.40	1768.88	1768.88	1736.98	1736.98	1705.58	1705.58

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1672.43	1654.35	1640.03	1606.76	1606.76	1576.11	1576.11	1541.33	1541.33
30.0	1692.52	1692.52	1659.37	1659.37	1623.83	1607.26	1589.80	1572.22	1555.14
60.0	1743.76	1730.45	1714.50	1700.56	1683.86	1669.17	1652.21	1621.20	1604.37
90.0	1741.63	1726.56	1713.62	1698.05	1668.54	1668.54	1637.27	1637.27	1604.37
120.0	1751.80	1737.10	1722.54	1707.22	1676.83	1676.83	1644.05	1644.05	1611.53
150.0	1710.73	1678.46	1678.46	1644.93	1644.93	1610.90	1592.94	1576.24	1540.20
180.0	1672.43	1654.35	1640.03	1606.76	1606.76	1576.11	1576.11	1541.33	1541.33
210.0	1692.52	1692.52	1659.37	1659.37	1623.83	1607.26	1589.80	1572.22	1555.14
240.0	1743.76	1730.45	1714.50	1700.56	1683.86	1669.17	1652.21	1621.20	1604.37
270.0	1741.63	1726.56	1713.62	1698.05	1668.54	1668.54	1637.27	1637.27	1604.37
300.0	1751.80	1737.10	1722.54	1707.22	1676.83	1676.83	1644.05	1644.05	1611.53
330.0	1710.73	1678.46	1678.46	1644.93	1644.93	1610.90	1592.94	1576.24	1540.20
360.0	1672.43	1654.35	1640.03	1606.76	1606.76	1576.11	1576.11	1541.33	1541.33

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	1508.93	1508.93	1475.28	1456.69	1438.48	1403.45	1403.45	1366.28	1366.28
30.0	1538.07	1520.74	1485.57	1485.57	1449.91	1432.33	1413.24	1394.91	1375.69
60.0	1586.54	1570.09	1551.63	1534.05	1514.96	1497.63	1497.63	1461.09	1422.41
90.0	1604.37	1571.09	1554.64	1536.81	1520.61	1502.53	1466.11	1466.11	1428.94
120.0	1611.53	1592.44	1573.98	1539.07	1520.86	1503.66	1465.11	1465.11	1426.30
150.0	1540.20	1505.29	1505.29	1468.12	1451.54	1433.71	1433.71	1412.49	1392.02
180.0	1508.93	1508.93	1475.28	1456.69	1438.48	1403.45	1403.45	1366.28	1366.28
210.0	1538.07	1520.74	1485.57	1485.57	1449.91	1432.33	1413.24	1394.91	1375.69
240.0	1586.54	1570.09	1551.63	1534.05	1514.96	1497.63	1497.63	1461.09	1422.41
270.0	1604.37	1571.09	1554.64	1536.81	1520.61	1502.53	1466.11	1466.11	1428.94
300.0	1611.53	1592.44	1573.98	1539.07	1520.86	1503.66	1465.11	1465.11	1426.30
330.0	1540.20	1505.29	1505.29	1468.12	1451.54	1433.71	1433.71	1412.49	1392.02
360.0	1508.93	1508.93	1475.28	1456.69	1438.48	1403.45	1403.45	1366.28	1366.28

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	1329.48	1329.48	1290.80	1271.84	1250.12	1232.03	1209.43	1166.11	1166.11
30.0	1356.61	1336.51	1317.05	1296.83	1255.52	1255.52	1213.57	1193.48	1170.13
60.0	1402.19	1382.48	1361.00	1341.79	1320.06	1300.10	1277.74	1256.90	1232.54
90.0	1428.94	1391.39	1373.43	1353.09	1334.38	1312.91	1293.19	1270.84	1228.77
120.0	1426.30	1387.25	1366.90	1347.56	1326.09	1305.50	1282.52	1261.54	1217.22
150.0	1358.49	1318.93	1318.93	1280.76	1280.76	1239.32	1239.32	1197.00	1197.00
180.0	1329.48	1329.48	1290.80	1271.84	1250.12	1232.03	1209.43	1166.11	1166.11
210.0	1356.61	1336.51	1317.05	1296.83	1255.52	1255.52	1213.57	1193.48	1170.13
240.0	1402.19	1382.48	1361.00	1341.79	1320.06	1300.10	1277.74	1256.90	1232.54
270.0	1428.94	1391.39	1373.43	1353.09	1334.38	1312.91	1293.19	1270.84	1228.77
300.0	1426.30	1387.25	1366.90	1347.56	1326.09	1305.50	1282.52	1261.54	1217.22
330.0	1358.49	1318.93	1318.93	1280.76	1280.76	1239.32	1239.32	1197.00	1197.00
360.0	1329.48	1329.48	1290.80	1271.84	1250.12	1232.03	1209.43	1166.11	1166.11

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	1122.28	1122.28	1072.30	1072.30	1021.07	998.08	969.33	916.59	916.59
30.0	1148.53	1123.54	1101.94	1075.57	1025.71	1025.71	974.35	974.35	922.74
60.0	1211.31	1163.72	1137.22	1113.99	1086.24	1061.75	1033.50	1008.63	980.63
90.0	1228.77	1182.81	1182.81	1136.47	1114.49	1085.49	1062.38	1033.25	977.87
120.0	1217.22	1170.13	1170.13	1120.15	1093.15	1068.91	1039.90	1014.16	959.41
150.0	1152.92	1108.34	1108.34	1059.49	1059.49	1008.63	1008.63	957.02	957.02
180.0	1122.28	1122.28	1072.30	1072.30	1021.07	998.08	969.33	916.59	916.59
210.0	1148.53	1123.54	1101.94	1075.57	1025.71	1025.71	974.35	974.35	922.74
240.0	1211.31	1163.72	1137.22	1113.99	1086.24	1061.75	1033.50	1008.63	980.63
270.0	1228.77	1182.81	1182.81	1136.47	1114.49	1085.49	1062.38	1033.25	977.87
300.0	1217.22	1170.13	1170.13	1120.15	1093.15	1068.91	1039.90	1014.16	959.41
330.0	1152.92	1108.34	1108.34	1059.49	1059.49	1008.63	1008.63	957.02	957.02
360.0	1122.28	1122.28	1072.30	1072.30	1021.07	998.08	969.33	916.59	916.59

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	864.72	864.72	810.47	810.47	756.10	756.10	703.10	676.61	651.37
30.0	896.87	870.12	843.63	817.76	790.88	765.39	714.66	688.91	664.80
60.0	953.51	925.88	870.25	842.24	815.50	787.37	760.87	733.12	706.87
90.0	977.87	921.61	921.61	865.98	865.98	810.22	778.83	752.83	720.43
120.0	959.41	903.02	903.02	846.39	846.39	790.38	762.00	734.75	707.37
150.0	904.03	878.66	851.54	799.55	799.55	749.57	749.57	699.09	699.09
180.0	864.72	864.72	810.47	810.47	756.10	756.10	703.10	676.61	651.37
210.0	896.87	870.12	843.63	817.76	790.88	765.39	714.66	688.91	664.80
240.0	953.51	925.88	870.25	842.24	815.50	787.37	760.87	733.12	706.87
270.0	977.87	921.61	921.61	865.98	865.98	810.22	778.83	752.83	720.43
300.0	959.41	903.02	903.02	846.39	846.39	790.38	762.00	734.75	707.37
330.0	904.03	878.66	851.54	799.55	799.55	749.57	749.57	699.09	699.09
360.0	864.72	864.72	810.47	810.47	756.10	756.10	703.10	676.61	651.37

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	626.00	601.64	553.92	553.92	509.84	509.84	466.77	445.17	426.46
30.0	664.80	606.79	606.79	560.70	560.70	515.74	496.15	472.80	454.09
60.0	680.25	655.01	629.14	579.41	555.93	531.44	509.21	485.86	464.63
90.0	696.45	642.83	642.83	591.72	591.72	542.99	515.49	498.29	471.92
120.0	680.75	629.01	629.01	578.78	578.78	530.44	507.71	484.35	463.25
150.0	649.86	649.86	602.14	581.55	555.55	510.72	510.72	468.28	468.28
180.0	626.00	601.64	553.92	553.92	509.84	509.84	466.77	445.17	426.46
210.0	664.80	606.79	606.79	560.70	560.70	515.74	496.15	472.80	454.09
240.0	680.25	655.01	629.14	579.41	555.93	531.44	509.21	485.86	464.63
270.0	696.45	642.83	642.83	591.72	591.72	542.99	515.49	498.29	471.92
300.0	680.75	629.01	629.01	578.78	578.78	530.44	507.71	484.35	463.25
330.0	649.86	649.86	602.14	581.55	555.55	510.72	510.72	468.28	468.28
360.0	626.00	601.64	553.92	553.92	509.84	509.84	466.77	445.17	426.46

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	405.74	388.03	351.49	351.49	317.71	317.71	286.44	286.44	256.68
30.0	431.73	392.43	392.43	355.26	355.26	320.35	320.35	287.95	275.14
60.0	442.78	422.82	401.85	383.14	363.92	328.51	312.81	295.61	281.29
90.0	455.72	430.98	415.41	377.11	377.11	340.94	340.94	307.41	288.45
120.0	441.40	420.93	400.84	362.04	362.04	326.37	326.37	292.97	278.03
150.0	426.71	426.71	387.15	387.15	350.36	314.70	314.70	282.30	282.30
180.0	405.74	388.03	351.49	351.49	317.71	317.71	286.44	286.44	256.68
210.0	431.73	392.43	392.43	355.26	355.26	320.35	320.35	287.95	275.14
240.0	442.78	422.82	401.85	383.14	363.92	328.51	312.81	295.61	281.29
270.0	455.72	430.98	415.41	377.11	377.11	340.94	340.94	307.41	288.45
300.0	441.40	420.93	400.84	362.04	362.04	326.37	326.37	292.97	278.03
330.0	426.71	426.71	387.15	387.15	350.36	314.70	314.70	282.30	282.30
360.0	405.74	388.03	351.49	351.49	317.71	317.71	286.44	286.44	256.68

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	241.99	229.81	204.56	204.56	181.46	181.46	160.11	160.11	140.65
30.0	257.68	246.13	230.06	204.44	204.44	180.58	180.58	158.23	158.23
60.0	265.22	252.16	236.96	224.78	210.97	199.79	177.06	165.64	156.22
90.0	276.52	258.94	248.52	222.52	222.52	198.03	198.03	175.05	175.05
120.0	262.46	249.40	234.95	209.59	209.59	185.98	185.98	164.25	164.25
150.0	251.78	251.78	224.03	224.03	199.04	199.04	175.43	153.58	153.58
180.0	241.99	229.81	204.56	204.56	181.46	181.46	160.11	160.11	140.65
210.0	257.68	246.13	230.06	204.44	204.44	180.58	180.58	158.23	158.23
240.0	265.22	252.16	236.96	224.78	210.97	199.79	177.06	165.64	156.22
270.0	276.52	258.94	248.52	222.52	222.52	198.03	198.03	175.05	175.05
300.0	262.46	249.40	234.95	209.59	209.59	185.98	185.98	164.25	164.25
330.0	251.78	251.78	224.03	224.03	199.04	199.04	175.43	153.58	153.58
360.0	241.99	229.81	204.56	204.56	181.46	181.46	160.11	160.11	140.65

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	129.60	122.56	112.14	105.86	91.17	91.17	78.49	78.49	67.06
30.0	137.88	137.88	119.17	112.52	102.60	88.03	88.03	75.09	75.10
60.0	145.67	137.00	127.21	119.17	110.13	102.97	94.56	80.37	75.10
90.0	153.96	142.91	134.74	124.32	116.66	99.83	99.83	84.26	84.26
120.0	144.41	135.62	126.08	117.67	108.50	92.68	92.68	77.98	77.98
150.0	134.12	134.12	115.78	115.78	99.33	99.33	84.39	79.62	71.33
180.0	129.60	122.56	112.14	105.86	91.17	91.17	78.49	78.49	67.06
210.0	137.88	137.88	119.17	112.52	102.60	88.03	88.03	75.09	75.10
240.0	145.67	137.00	127.21	119.17	110.13	102.97	94.56	80.37	75.10
270.0	153.96	142.91	134.74	124.32	116.66	99.83	99.83	84.26	84.26
300.0	144.41	135.62	126.08	117.67	108.50	92.68	92.68	77.98	77.98
330.0	134.12	134.12	115.78	115.78	99.33	99.33	84.39	79.62	71.33
360.0	129.60	122.56	112.14	105.86	91.17	91.17	78.49	78.49	67.06

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	67.06	56.89	50.73	48.10	42.70	40.31	33.40	29.26	26.62
30.0	63.67	60.03	53.37	50.23	44.58	36.92	36.92	30.01	30.01
60.0	67.81	63.29	56.89	52.99	47.34	44.20	39.43	36.54	32.27
90.0	70.45	61.78	58.02	49.85	46.72	39.81	36.92	28.38	28.38
120.0	64.67	59.78	52.99	48.98	43.07	34.53	34.53	27.25	27.25
150.0	60.15	60.15	50.48	50.48	42.19	42.19	35.04	35.04	28.38
180.0	67.06	56.89	50.73	48.10	42.70	40.31	33.40	29.26	26.62
210.0	63.67	60.03	53.37	50.23	44.58	36.92	36.92	30.01	30.01
240.0	67.81	63.29	56.89	52.99	47.34	44.20	39.43	36.54	32.27
270.0	70.45	61.78	58.02	49.85	46.72	39.81	36.92	28.38	28.38
300.0	64.67	59.78	52.99	48.98	43.07	34.53	34.53	27.25	27.25
330.0	60.15	60.15	50.48	50.48	42.19	42.19	35.04	35.04	28.38
360.0	67.06	56.89	50.73	48.10	42.70	40.31	33.40	29.26	26.62

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	26.62	20.22	20.22	14.44	12.06	11.43	8.67	8.67	5.78
30.0	24.11	24.11	18.59	15.82	13.06	12.31	9.67	6.91	6.91
60.0	25.99	22.86	19.72	16.45	13.56	11.05	8.04	7.54	4.52
90.0	21.22	21.22	16.20	12.94	12.31	9.17	9.17	6.15	6.15
120.0	21.10	21.10	15.57	13.69	10.93	9.42	6.66	4.02	4.02
150.0	22.60	22.60	16.95	16.95	11.68	11.68	8.79	8.79	6.28
180.0	26.62	20.22	20.22	14.44	12.06	11.43	8.67	8.67	5.78
210.0	24.11	24.11	18.59	15.82	13.06	12.31	9.67	6.91	6.91
240.0	25.99	22.86	19.72	16.45	13.56	11.05	8.04	7.54	4.52
270.0	21.22	21.22	16.20	12.94	12.31	9.17	9.17	6.15	6.15
300.0	21.10	21.10	15.57	13.69	10.93	9.42	6.66	4.02	4.02
330.0	22.60	22.60	16.95	16.95	11.68	11.68	8.79	8.79	6.28
360.0	26.62	20.22	20.22	14.44	12.06	11.43	8.67	8.67	5.78

Intensity data(cd)										Appendix Page: 23 Total:28
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	
0.0	5.78	2.64	2.64	1.38	1.26	1.26	1.26	1.26	1.13	
30.0	3.77	3.77	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
60.0	4.52	2.01	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
90.0	3.39	3.39	1.88	1.38	1.38	1.26	1.26	1.26	1.26	
120.0	2.01	2.01	1.38	1.38	1.26	1.26	1.26	1.26	1.13	
150.0	6.28	3.01	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
180.0	5.78	2.64	2.64	1.38	1.26	1.26	1.26	1.26	1.13	
210.0	3.77	3.77	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
240.0	4.52	2.01	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
270.0	3.39	3.39	1.88	1.38	1.38	1.26	1.26	1.26	1.26	
300.0	2.01	2.01	1.38	1.38	1.26	1.26	1.26	1.26	1.13	
330.0	6.28	3.01	1.38	1.38	1.26	1.26	1.26	1.26	1.26	
360.0	5.78	2.64	2.64	1.38	1.26	1.26	1.26	1.26	1.13	
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	
0.0	1.13	1.13	1.13	1.13	1.13	1.01	1.01	1.01	1.01	
30.0	1.13	1.13	1.13	1.13	1.01	1.01	1.01	1.01	1.01	
60.0	1.26	1.13	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
90.0	1.26	1.26	1.13	1.13	1.13	1.01	1.01	1.01	1.01	
120.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
150.0	1.26	1.13	1.13	1.01	1.01	1.01	1.01	1.01	1.01	
180.0	1.13	1.13	1.13	1.13	1.13	1.01	1.01	1.01	1.01	
210.0	1.13	1.13	1.13	1.13	1.01	1.01	1.01	1.01	1.01	
240.0	1.26	1.13	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
270.0	1.26	1.26	1.13	1.13	1.13	1.01	1.01	1.01	1.01	
300.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
330.0	1.26	1.13	1.13	1.01	1.01	1.01	1.01	1.01	1.01	
360.0	1.13	1.13	1.13	1.13	1.13	1.01	1.01	1.01	1.01	
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0	
0.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
30.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
60.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
90.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
120.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
150.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
180.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
210.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
240.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
270.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
300.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
330.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
360.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5	
0.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.88	
30.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
60.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
90.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
120.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
150.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
180.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.88	
210.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
240.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
270.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
300.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
330.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	
360.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	0.88	

Intensity data(cd)										Appendix Page: 24 Total:28	
C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0		
0.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
30.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
60.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
90.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
120.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
150.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
180.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
210.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
240.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
270.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
300.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
330.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
360.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5		
0.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.13	1.13		
30.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.13		
60.0	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.26	1.26		
90.0	1.01	1.01	1.01	1.01	1.01	1.01	1.26	1.26	1.13		
120.0	1.01	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
150.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
180.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.13	1.13		
210.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.13		
240.0	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.26	1.26		
270.0	1.01	1.01	1.01	1.01	1.01	1.01	1.26	1.26	1.13		
300.0	1.01	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
330.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		
360.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.13	1.13		
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0		
0.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
30.0	1.13	1.13	1.13	1.13	1.13	1.26	1.26	1.26	1.26		
60.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
90.0	1.13	1.13	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
120.0	1.13	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
150.0	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.26	1.26		
180.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
210.0	1.13	1.13	1.13	1.13	1.13	1.26	1.26	1.26	1.26		
240.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
270.0	1.13	1.13	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
300.0	1.13	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
330.0	1.01	1.13	1.13	1.13	1.13	1.13	1.13	1.26	1.26		
360.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5		
0.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
30.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
60.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
90.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
120.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
150.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
180.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
210.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
240.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
270.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
300.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
330.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
360.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26		

Intensity data(cd)										Appendix Page: 25 Total:28
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0	
0.0	1.26	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
30.0	1.26	1.26	1.26	1.26	1.38	1.38	1.38	1.38	1.38	
60.0	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
90.0	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
120.0	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
150.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.38	1.38	
180.0	1.26	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
210.0	1.26	1.26	1.26	1.26	1.38	1.38	1.38	1.38	1.38	
240.0	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
270.0	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
300.0	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
330.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.38	1.38	
360.0	1.26	1.26	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5	
0.0	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	1.51	
30.0	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	
60.0	1.38	1.38	1.38	1.38	1.51	1.51	1.38	1.51	1.51	
90.0	1.38	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
120.0	1.38	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	
150.0	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	
180.0	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	1.51	
210.0	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	
240.0	1.38	1.38	1.38	1.38	1.51	1.51	1.38	1.51	1.51	
270.0	1.38	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
300.0	1.38	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	
330.0	1.38	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	
360.0	1.38	1.38	1.38	1.38	1.51	1.51	1.51	1.51	1.51	
C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0	
0.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
30.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
60.0	1.51	1.51	1.51	1.51	1.51	1.51	1.63	1.63	1.63	
90.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.63	
120.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.63	
150.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
180.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
210.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
240.0	1.51	1.51	1.51	1.51	1.51	1.51	1.63	1.63	1.63	
270.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.63	
300.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.63	
330.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
360.0	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5	
0.0	1.51	1.51	1.76	1.76	1.76	1.76	1.76	1.76	1.76	
30.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
60.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76	
90.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
120.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76	
150.0	1.63	1.63	1.51	1.51	1.63	1.63	1.63	1.63	1.63	
180.0	1.51	1.51	1.76	1.76	1.76	1.76	1.76	1.76	1.76	
210.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
240.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76	
270.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
300.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76	
330.0	1.63	1.63	1.51	1.51	1.63	1.63	1.63	1.63	1.63	
360.0	1.51	1.51	1.76	1.76	1.76	1.76	1.76	1.76	1.76	

Intensity data(cd)									Appendix Page: 26 Total:28
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
30.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76
60.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
90.0	1.63	1.63	1.63	1.63	1.63	1.76	1.76	1.76	1.76
120.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
150.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76
180.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
210.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76
240.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
270.0	1.63	1.63	1.63	1.63	1.63	1.76	1.76	1.76	1.76
300.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
330.0	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.76
360.0	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76
C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	1.76	1.76	1.76	1.76	1.76	1.76	1.88	1.88	1.88
30.0	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88	1.88
60.0	1.76	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88
90.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
120.0	1.76	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88
150.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
180.0	1.76	1.76	1.76	1.76	1.76	1.76	1.88	1.88	1.88
210.0	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88	1.88
240.0	1.76	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88
270.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
300.0	1.76	1.76	1.76	1.88	1.88	1.88	1.88	1.88	1.88
330.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
360.0	1.76	1.76	1.76	1.76	1.76	1.76	1.88	1.88	1.88
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
30.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
60.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
90.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
120.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
150.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
180.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
210.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
240.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
270.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
300.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
330.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
360.0	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	1.88	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01
30.0	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01	2.01
60.0	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01
90.0	1.88	1.88	1.88	2.01	2.01	1.88	1.88	2.01	2.01
120.0	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01
150.0	1.88	1.88	1.88	2.01	2.01	1.88	1.88	2.01	2.01
180.0	1.88	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01
210.0	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01	2.01
240.0	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01
270.0	1.88	1.88	1.88	2.01	2.01	1.88	1.88	2.01	2.01
300.0	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01	2.01
330.0	1.88	1.88	1.88	2.01	2.01	1.88	1.88	2.01	2.01
360.0	1.88	1.88	1.88	1.88	1.88	1.88	2.01	2.01	2.01

Intensity data(cd)										Appendix Page: 27 Total:28
C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0	
0.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
30.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
60.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
90.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
120.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
150.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
180.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
210.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
240.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
270.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
300.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
330.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
360.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5	
0.0	2.01	2.01	2.01	2.01	2.01	2.01	2.14	2.14	2.14	
30.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
60.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
90.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
120.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
150.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
180.0	2.01	2.01	2.01	2.01	2.01	2.01	2.14	2.14	2.14	
210.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
240.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
270.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
300.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
330.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
360.0	2.01	2.01	2.01	2.01	2.01	2.01	2.14	2.14	2.14	
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0	
0.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
30.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
60.0	2.01	2.01	2.01	2.01	2.14	2.01	2.01	2.14	2.14	
90.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
120.0	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	2.14	
150.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
180.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
210.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
240.0	2.01	2.01	2.01	2.01	2.14	2.01	2.01	2.14	2.14	
270.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
300.0	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	2.14	
330.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
360.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
C/γ(°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5	
0.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
30.0	2.01	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	
60.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
90.0	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	2.01	
120.0	2.14	2.14	2.01	2.01	2.14	2.14	2.14	2.14	2.14	
150.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
180.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
210.0	2.01	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	
240.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
270.0	2.01	2.01	2.14	2.14	2.01	2.01	2.14	2.14	2.01	
300.0	2.14	2.14	2.01	2.01	2.14	2.14	2.14	2.14	2.14	
330.0	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
360.0	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	

Intensity data(cd)

Appendix Page: 28 Total:28

C/$\gamma(^{\circ})$	180.0
0.0	2.14
30.0	2.01
60.0	2.14
90.0	2.14
120.0	2.14
150.0	2.01
180.0	2.14
210.0	2.01
240.0	2.14
270.0	2.14
300.0	2.14
330.0	2.01
360.0	2.14