

Report No	:		Voltage	:	V
Test No	:	A2407441E001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	100.000 W
Luminaire	:	0017440198 100W 4000K 12000lm	PF	:	
LampCAT	:		Ballast type	:	
Lamp flux	:	12000.0 lm	Width	:	169 mm
Number of Lamps	:	1	Length	:	249 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	12000.00	Central intensity(cd)	:	3958.905
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	4004.246
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=180.0 γ =1.0
IES Classification	:	TypeII	Max Cd(At 90°Vert)	:	17.366
Longitudinal Classification	:	VeryShort	Max Cd(80 to 90°Vert)	:	522.964
Cut Off Classification	:	FullCutoff			
Beam Angle(50%Imax)	:	[C0/180]Total=118.0 [C90/270]Total=118.3			
Field angle(10%Imax)	:	[C0/180]Total=162.4 [C90/270]Total=161.8			
Street Side UpWard Lumens	:	0.12%of Lamp 0.12%of Luminaire			
Street Side DownWard Lumens	:	49.28%of Lamp 49.28%of Luminaire			
House Side UpWard Lumens	:	0.12%of Lamp 0.12%of Luminaire			
House Side DownWard Lumens	:	50.48%of Lamp 50.48%of Luminaire			

SLI: 3.726 (C Flash Area: 0.010), Throw: 102.8 (long), Spread: 23.9 (narrow), Control: 3.726 (moderate)

Zonal flux distribution table

Appendix Page: 2 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3958.905	0.000	0	0.00%	0.00%
0.5	3959.634	0.947	0.947	0.01%	0.01%
1.0	3961.806	2.843	3.79	0.02%	0.03%
1.5	3961.806	4.739	8.529	0.04%	0.07%
2.0	3957.799	6.631	15.159	0.06%	0.13%
2.5	3958.416	8.520	23.68	0.07%	0.20%
3.0	3953.950	10.407	34.087	0.09%	0.28%
3.5	3956.969	12.296	46.383	0.10%	0.39%
4.0	3952.390	14.182	60.565	0.12%	0.50%
4.5	3951.514	16.059	76.623	0.13%	0.64%
5.0	3950.515	17.939	94.563	0.15%	0.79%
5.5	3947.305	19.812	114.375	0.17%	0.95%
6.0	3941.161	21.667	136.042	0.18%	1.13%
6.5	3939.023	23.519	159.562	0.20%	1.33%
7.0	3934.730	25.372	184.934	0.21%	1.54%
7.5	3931.705	27.216	212.15	0.23%	1.77%
8.0	3927.311	29.055	241.205	0.24%	2.01%
8.5	3923.108	30.883	272.088	0.26%	2.27%
9.0	3919.264	32.707	304.795	0.27%	2.54%
9.5	3913.468	34.518	339.312	0.29%	2.83%
10.0	3906.874	36.308	375.62	0.30%	3.13%
10.5	3898.922	38.080	413.7	0.32%	3.45%
11.0	3893.777	39.849	453.549	0.33%	3.78%
11.5	3885.455	41.607	495.157	0.35%	4.13%
12.0	3879.254	43.350	538.506	0.36%	4.49%
12.5	3869.260	45.073	583.579	0.38%	4.86%
13.0	3859.636	46.764	630.343	0.39%	5.25%
13.5	3853.238	48.465	678.808	0.40%	5.66%
14.0	3847.857	50.182	728.99	0.42%	6.07%
14.5	3838.480	51.871	780.861	0.43%	6.51%
15.0	3831.348	53.536	834.397	0.45%	6.95%
15.5	3821.965	55.189	889.586	0.46%	7.41%
16.0	3810.097	56.795	946.381	0.47%	7.89%
16.5	3801.455	58.393	1004.774	0.49%	8.37%
17.0	3793.122	60.005	1064.779	0.50%	8.87%
17.5	3781.068	61.577	1126.356	0.51%	9.39%
18.0	3772.578	63.133	1189.489	0.53%	9.91%
18.5	3762.337	64.691	1254.181	0.54%	10.45%

Zonal flux distribution table

Appendix Page: 3 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	3752.831	66.227	1320.407	0.55%	11.00%
19.5	3741.843	67.742	1388.149	0.56%	11.57%
20.0	3731.894	69.238	1457.387	0.58%	12.14%
20.5	3720.614	70.717	1528.103	0.59%	12.73%
21.0	3709.285	72.167	1600.27	0.60%	13.34%
21.5	3697.147	73.593	1673.864	0.61%	13.95%
22.0	3683.415	74.979	1748.843	0.62%	14.57%
22.5	3673.393	76.370	1825.213	0.64%	15.21%
23.0	3659.381	77.741	1902.954	0.65%	15.86%
23.5	3642.529	79.022	1981.976	0.66%	16.52%
24.0	3629.954	80.299	2062.275	0.67%	17.19%
24.5	3617.389	81.605	2143.88	0.68%	17.87%
25.0	3604.258	82.888	2226.769	0.69%	18.56%
25.5	3588.927	84.121	2310.89	0.70%	19.26%
26.0	3574.898	85.325	2396.215	0.71%	19.97%
26.5	3560.780	86.524	2482.739	0.72%	20.69%
27.0	3543.793	87.668	2570.407	0.73%	21.42%
27.5	3528.900	88.782	2659.189	0.74%	22.16%
28.0	3514.978	89.915	2749.105	0.75%	22.91%
28.5	3497.184	90.992	2840.097	0.76%	23.67%
29.0	3480.091	92.006	2932.103	0.77%	24.43%
29.5	3464.479	93.028	3025.131	0.78%	25.21%
30.0	3449.176	94.053	3119.184	0.78%	25.99%
30.5	3429.497	95.003	3214.187	0.79%	26.78%
31.0	3413.504	95.921	3310.108	0.80%	27.58%
31.5	3394.581	96.827	3406.935	0.81%	28.39%
32.0	3377.101	97.691	3504.626	0.81%	29.21%
32.5	3357.399	98.521	3603.147	0.82%	30.03%
33.0	3339.397	99.321	3702.468	0.83%	30.85%
33.5	3322.978	100.147	3802.615	0.83%	31.69%
34.0	3302.877	100.920	3903.535	0.84%	32.53%
34.5	3282.619	101.611	4005.146	0.85%	33.38%
35.0	3264.241	102.306	4107.452	0.85%	34.23%
35.5	3242.345	102.952	4210.404	0.86%	35.09%
36.0	3224.102	103.576	4313.98	0.86%	35.95%
36.5	3204.382	104.212	4418.192	0.87%	36.82%
37.0	3182.054	104.759	4522.951	0.87%	37.69%
37.5	3161.768	105.272	4628.224	0.88%	38.57%

Zonal flux distribution table

Appendix Page: 4 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	3138.906	105.752	4733.976	0.88%	39.45%
38.5	3117.234	106.184	4840.159	0.88%	40.33%
39.0	3095.602	106.612	4946.772	0.89%	41.22%
39.5	3075.350	107.041	5053.813	0.89%	42.12%
40.0	3052.791	107.430	5161.242	0.90%	43.01%
40.5	3029.554	107.741	5268.983	0.90%	43.91%
41.0	3005.109	107.995	5376.978	0.90%	44.81%
41.5	2980.216	108.192	5485.171	0.90%	45.71%
42.0	2957.439	108.395	5593.565	0.90%	46.61%
42.5	2934.886	108.615	5702.18	0.91%	47.52%
43.0	2913.573	108.838	5811.018	0.91%	48.43%
43.5	2886.615	108.954	5919.972	0.91%	49.33%
44.0	2860.763	108.960	6028.932	0.91%	50.24%
44.5	2836.156	108.984	6137.915	0.91%	51.15%
45.0	2812.138	109.017	6246.933	0.91%	52.06%
45.5	2784.776	108.972	6355.905	0.91%	52.97%
46.0	2759.922	108.885	6464.79	0.91%	53.87%
46.5	2735.815	108.837	6573.628	0.91%	54.78%
47.0	2708.347	108.713	6682.34	0.91%	55.69%
47.5	2682.393	108.525	6790.865	0.90%	56.59%
48.0	2656.501	108.344	6899.21	0.90%	57.49%
48.5	2628.140	108.090	7007.299	0.90%	58.39%
49.0	2601.564	107.795	7115.094	0.90%	59.29%
49.5	2571.609	107.442	7222.536	0.90%	60.19%
50.0	2542.968	107.019	7329.555	0.89%	61.08%
50.5	2514.887	106.610	7436.166	0.89%	61.97%
51.0	2486.953	106.191	7542.357	0.88%	62.85%
51.5	2458.160	105.731	7648.087	0.88%	63.73%
52.0	2427.274	105.183	7753.27	0.88%	64.61%
52.5	2398.537	104.610	7857.88	0.87%	65.48%
53.0	2370.664	104.077	7961.957	0.87%	66.35%
53.5	2338.863	103.453	8065.41	0.86%	67.21%
54.0	2308.285	102.744	8168.154	0.86%	68.07%
54.5	2277.158	102.025	8270.179	0.85%	68.92%
55.0	2246.238	101.273	8371.451	0.84%	69.76%
55.5	2215.919	100.514	8471.965	0.84%	70.60%
56.0	2183.579	99.699	8571.664	0.83%	71.43%
56.5	2150.892	98.805	8670.469	0.82%	72.25%

Zonal flux distribution table

Appendix Page: 5 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	2119.040	97.898	8768.366	0.82%	73.07%
57.5	2088.996	97.027	8865.393	0.81%	73.88%
58.0	2056.180	96.110	8961.503	0.80%	74.68%
58.5	2024.205	95.125	9056.628	0.79%	75.47%
59.0	1990.816	94.103	9150.732	0.78%	76.26%
59.5	1956.249	92.997	9243.729	0.77%	77.03%
60.0	1923.864	91.891	9335.619	0.77%	77.80%
60.5	1891.637	90.817	9426.436	0.76%	78.55%
61.0	1857.047	89.668	9516.104	0.75%	79.30%
61.5	1824.157	88.481	9604.585	0.74%	80.04%
62.0	1790.050	87.283	9691.869	0.73%	80.77%
62.5	1755.348	86.020	9777.888	0.72%	81.48%
63.0	1720.326	84.712	9862.6	0.71%	82.19%
63.5	1684.878	83.364	9945.965	0.69%	82.88%
64.0	1649.777	81.993	10027.958	0.68%	83.57%
64.5	1613.353	80.577	10108.535	0.67%	84.24%
65.0	1577.113	79.111	10187.646	0.66%	84.90%
65.5	1540.862	77.629	10265.274	0.65%	85.54%
66.0	1505.425	76.146	10341.421	0.63%	86.18%
66.5	1469.444	74.650	10416.071	0.62%	86.80%
67.0	1432.710	73.103	10489.174	0.61%	87.41%
67.5	1395.511	71.505	10560.678	0.60%	88.01%
68.0	1358.581	69.883	10630.561	0.58%	88.59%
68.5	1321.326	68.241	10698.802	0.57%	89.16%
69.0	1285.154	66.599	10765.401	0.55%	89.71%
69.5	1246.574	64.906	10830.307	0.54%	90.25%
70.0	1208.286	63.141	10893.449	0.53%	90.78%
70.5	1171.031	61.393	10954.842	0.51%	91.29%
71.0	1133.495	59.647	11014.489	0.50%	91.79%
71.5	1095.213	57.858	11072.347	0.48%	92.27%
72.0	1057.548	56.050	11128.398	0.47%	92.74%
72.5	1019.529	54.233	11182.631	0.45%	93.19%
73.0	982.094	52.407	11235.038	0.44%	93.63%
73.5	943.532	50.552	11285.59	0.42%	94.05%
74.0	906.381	48.690	11334.28	0.41%	94.45%
74.5	867.915	46.817	11381.097	0.39%	94.84%
75.0	830.600	44.926	11426.023	0.37%	95.22%
75.5	792.225	43.024	11469.047	0.36%	95.58%

Zonal flux distribution table

Appendix Page: 6 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	755.250	41.119	11510.167	0.34%	95.92%
76.5	716.738	39.199	11549.366	0.33%	96.24%
77.0	680.294	37.281	11586.646	0.31%	96.56%
77.5	642.849	35.380	11622.026	0.29%	96.85%
78.0	606.479	33.471	11655.497	0.28%	97.13%
78.5	570.401	31.589	11687.086	0.26%	97.39%
79.0	535.351	29.732	11716.818	0.25%	97.64%
79.5	499.480	27.872	11744.691	0.23%	97.87%
80.0	464.507	26.006	11770.697	0.22%	98.09%
80.5	429.720	24.162	11794.859	0.20%	98.29%
81.0	396.375	22.353	11817.212	0.19%	98.48%
81.5	363.253	20.583	11837.795	0.17%	98.65%
82.0	330.759	18.830	11856.625	0.16%	98.81%
82.5	299.583	17.123	11873.748	0.14%	98.95%
83.0	269.029	15.464	11889.212	0.13%	99.08%
83.5	238.843	13.827	11903.039	0.12%	99.19%
84.0	210.258	12.239	11915.279	0.10%	99.29%
84.5	183.421	10.739	11926.017	0.09%	99.38%
85.0	157.705	9.313	11935.33	0.08%	99.46%
85.5	133.516	7.957	11943.287	0.07%	99.53%
86.0	111.291	6.693	11949.98	0.06%	99.58%
86.5	90.929	5.532	11955.512	0.05%	99.63%
87.0	72.246	4.466	11959.978	0.04%	99.67%
87.5	55.691	3.503	11963.481	0.03%	99.70%
88.0	42.268	2.684	11966.165	0.02%	99.72%
88.5	30.900	2.005	11968.17	0.02%	99.73%
89.0	21.462	1.435	11969.605	0.01%	99.75%
89.5	13.401	0.956	11970.561	0.01%	99.75%
90.0	7.018	0.560	11971.121	0.00%	99.76%
90.5	3.038	0.276	11971.396	0.00%	99.76%
91.0	1.417	0.122	11971.518	0.00%	99.76%
91.5	1.244	0.073	11971.591	0.00%	99.76%
92.0	1.166	0.066	11971.657	0.00%	99.76%
92.5	1.127	0.063	11971.72	0.00%	99.76%
93.0	1.102	0.061	11971.781	0.00%	99.76%
93.5	1.080	0.060	11971.841	0.00%	99.77%
94.0	1.054	0.058	11971.899	0.00%	99.77%
94.5	1.045	0.057	11971.957	0.00%	99.77%

Zonal flux distribution table

Appendix Page: 7 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	1.049	0.057	11972.014	0.00%	99.77%
95.5	1.059	0.058	11972.071	0.00%	99.77%
96.0	1.076	0.058	11972.13	0.00%	99.77%
96.5	1.097	0.059	11972.189	0.00%	99.77%
97.0	1.131	0.061	11972.25	0.00%	99.77%
97.5	1.149	0.062	11972.312	0.00%	99.77%
98.0	1.192	0.064	11972.375	0.00%	99.77%
98.5	1.223	0.066	11972.441	0.00%	99.77%
99.0	1.265	0.067	11972.508	0.00%	99.77%
99.5	1.317	0.070	11972.578	0.00%	99.77%
100.0	1.352	0.072	11972.65	0.00%	99.77%
100.5	1.391	0.074	11972.724	0.00%	99.77%
101.0	1.470	0.077	11972.801	0.00%	99.77%
101.5	1.567	0.082	11972.883	0.00%	99.77%
102.0	1.659	0.087	11972.969	0.00%	99.77%
102.5	1.789	0.092	11973.062	0.00%	99.78%
103.0	1.858	0.098	11973.159	0.00%	99.78%
103.5	1.936	0.101	11973.261	0.00%	99.78%
104.0	2.026	0.105	11973.366	0.00%	99.78%
104.5	2.091	0.109	11973.475	0.00%	99.78%
105.0	2.194	0.114	11973.589	0.00%	99.78%
105.5	2.242	0.117	11973.706	0.00%	99.78%
106.0	2.328	0.121	11973.827	0.00%	99.78%
106.5	2.402	0.124	11973.951	0.00%	99.78%
107.0	2.480	0.128	11974.08	0.00%	99.78%
107.5	2.625	0.134	11974.213	0.00%	99.79%
108.0	2.726	0.140	11974.353	0.00%	99.79%
108.5	2.829	0.145	11974.498	0.00%	99.79%
109.0	2.920	0.149	11974.647	0.00%	99.79%
109.5	2.993	0.153	11974.8	0.00%	99.79%
110.0	3.067	0.156	11974.956	0.00%	99.79%
110.5	3.149	0.160	11975.116	0.00%	99.79%
111.0	3.261	0.164	11975.281	0.00%	99.79%
111.5	3.310	0.168	11975.448	0.00%	99.80%
112.0	3.422	0.171	11975.62	0.00%	99.80%
112.5	3.490	0.175	11975.795	0.00%	99.80%
113.0	3.585	0.179	11975.974	0.00%	99.80%
113.5	3.651	0.182	11976.156	0.00%	99.80%

Zonal flux distribution table

Appendix Page: 8 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	3.728	0.185	11976.342	0.00%	99.80%
114.5	3.809	0.188	11976.53	0.00%	99.80%
115.0	3.850	0.191	11976.721	0.00%	99.81%
115.5	3.955	0.194	11976.914	0.00%	99.81%
116.0	3.992	0.196	11977.11	0.00%	99.81%
116.5	4.082	0.199	11977.309	0.00%	99.81%
117.0	4.142	0.201	11977.51	0.00%	99.81%
117.5	4.203	0.203	11977.714	0.00%	99.81%
118.0	4.259	0.205	11977.919	0.00%	99.82%
118.5	4.341	0.208	11978.127	0.00%	99.82%
119.0	4.371	0.209	11978.336	0.00%	99.82%
119.5	4.398	0.210	11978.546	0.00%	99.82%
120.0	4.419	0.210	11978.756	0.00%	99.82%
120.5	4.500	0.211	11978.967	0.00%	99.82%
121.0	4.566	0.214	11979.18	0.00%	99.83%
121.5	4.622	0.215	11979.396	0.00%	99.83%
122.0	4.657	0.216	11979.612	0.00%	99.83%
122.5	4.721	0.217	11979.83	0.00%	99.83%
123.0	4.756	0.219	11980.048	0.00%	99.83%
123.5	4.817	0.219	11980.268	0.00%	99.84%
124.0	4.898	0.221	11980.489	0.00%	99.84%
124.5	4.949	0.223	11980.712	0.00%	99.84%
125.0	4.981	0.224	11980.936	0.00%	99.84%
125.5	5.045	0.224	11981.16	0.00%	99.84%
126.0	5.110	0.226	11981.386	0.00%	99.84%
126.5	5.191	0.228	11981.614	0.00%	99.85%
127.0	5.235	0.229	11981.843	0.00%	99.85%
127.5	5.287	0.230	11982.073	0.00%	99.85%
128.0	5.322	0.230	11982.303	0.00%	99.85%
128.5	5.344	0.230	11982.532	0.00%	99.85%
129.0	5.391	0.230	11982.762	0.00%	99.86%
129.5	5.434	0.230	11982.992	0.00%	99.86%
130.0	5.448	0.229	11983.221	0.00%	99.86%
130.5	5.494	0.229	11983.45	0.00%	99.86%
131.0	5.507	0.228	11983.678	0.00%	99.86%
131.5	5.522	0.227	11983.906	0.00%	99.87%
132.0	5.581	0.227	11984.133	0.00%	99.87%
132.5	5.611	0.227	11984.36	0.00%	99.87%

Zonal flux distribution table

Appendix Page: 9 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	5.620	0.226	11984.586	0.00%	99.87%
133.5	5.650	0.225	11984.811	0.00%	99.87%
134.0	5.685	0.224	11985.036	0.00%	99.88%
134.5	5.711	0.224	11985.259	0.00%	99.88%
135.0	5.758	0.223	11985.483	0.00%	99.88%
135.5	5.784	0.223	11985.705	0.00%	99.88%
136.0	5.827	0.222	11985.928	0.00%	99.88%
136.5	5.887	0.222	11986.15	0.00%	99.88%
137.0	5.919	0.222	11986.371	0.00%	99.89%
137.5	5.966	0.221	11986.593	0.00%	99.89%
138.0	6.026	0.221	11986.814	0.00%	99.89%
138.5	6.082	0.221	11987.035	0.00%	99.89%
139.0	6.109	0.220	11987.255	0.00%	99.89%
139.5	6.169	0.220	11987.475	0.00%	99.90%
140.0	6.246	0.220	11987.695	0.00%	99.90%
140.5	6.286	0.220	11987.914	0.00%	99.90%
141.0	6.359	0.219	11988.134	0.00%	99.90%
141.5	6.407	0.219	11988.353	0.00%	99.90%
142.0	6.488	0.219	11988.572	0.00%	99.90%
142.5	6.566	0.219	11988.791	0.00%	99.91%
143.0	6.631	0.219	11989.01	0.00%	99.91%
143.5	6.685	0.218	11989.228	0.00%	99.91%
144.0	6.778	0.218	11989.446	0.00%	99.91%
144.5	6.834	0.218	11989.664	0.00%	99.91%
145.0	6.881	0.217	11989.881	0.00%	99.92%
145.5	6.954	0.216	11990.098	0.00%	99.92%
146.0	7.016	0.216	11990.313	0.00%	99.92%
146.5	7.072	0.215	11990.528	0.00%	99.92%
147.0	7.150	0.214	11990.741	0.00%	99.92%
147.5	7.210	0.213	11990.954	0.00%	99.92%
148.0	7.262	0.212	11991.166	0.00%	99.93%
148.5	7.318	0.210	11991.377	0.00%	99.93%
149.0	7.388	0.209	11991.586	0.00%	99.93%
149.5	7.461	0.208	11991.794	0.00%	99.93%
150.0	7.525	0.207	11992.001	0.00%	99.93%
150.5	7.565	0.205	11992.206	0.00%	99.94%
151.0	7.631	0.204	11992.41	0.00%	99.94%
151.5	7.741	0.203	11992.612	0.00%	99.94%

Zonal flux distribution table

Appendix Page: 10 Total:31

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	7.833	0.202	11992.814	0.00%	99.94%
152.5	7.914	0.201	11993.015	0.00%	99.94%
153.0	7.997	0.200	11993.215	0.00%	99.94%
153.5	8.104	0.199	11993.414	0.00%	99.95%
154.0	8.196	0.198	11993.611	0.00%	99.95%
154.5	8.347	0.197	11993.808	0.00%	99.95%
155.0	8.495	0.197	11994.005	0.00%	99.95%
155.5	8.657	0.197	11994.202	0.00%	99.95%
156.0	8.757	0.196	11994.398	0.00%	99.95%
156.5	8.900	0.195	11994.593	0.00%	99.95%
157.0	9.097	0.195	11994.788	0.00%	99.96%
157.5	9.228	0.194	11994.982	0.00%	99.96%
158.0	9.382	0.193	11995.176	0.00%	99.96%
158.5	9.534	0.192	11995.368	0.00%	99.96%
159.0	9.624	0.190	11995.558	0.00%	99.96%
159.5	9.728	0.188	11995.746	0.00%	99.96%
160.0	9.841	0.186	11995.932	0.00%	99.97%
160.5	9.991	0.184	11996.115	0.00%	99.97%
161.0	10.099	0.182	11996.297	0.00%	99.97%
161.5	10.173	0.179	11996.476	0.00%	99.97%
162.0	10.273	0.176	11996.651	0.00%	99.97%
162.5	10.363	0.172	11996.824	0.00%	99.97%
163.0	10.453	0.169	11996.993	0.00%	99.97%
163.5	10.545	0.166	11997.159	0.00%	99.98%
164.0	10.614	0.162	11997.321	0.00%	99.98%
164.5	10.670	0.158	11997.48	0.00%	99.98%
165.0	10.730	0.154	11997.634	0.00%	99.98%
165.5	10.821	0.150	11997.784	0.00%	99.98%
166.0	10.903	0.147	11997.931	0.00%	99.98%
166.5	10.937	0.142	11998.073	0.00%	99.98%
167.0	10.972	0.138	11998.211	0.00%	99.99%
167.5	10.993	0.133	11998.344	0.00%	99.99%
168.0	10.985	0.128	11998.472	0.00%	99.99%
168.5	10.998	0.123	11998.594	0.00%	99.99%
169.0	11.032	0.118	11998.712	0.00%	99.99%
169.5	11.049	0.113	11998.825	0.00%	99.99%
170.0	11.063	0.108	11998.933	0.00%	99.99%
170.5	11.093	0.103	11999.036	0.00%	99.99%

Zonal flux distribution table

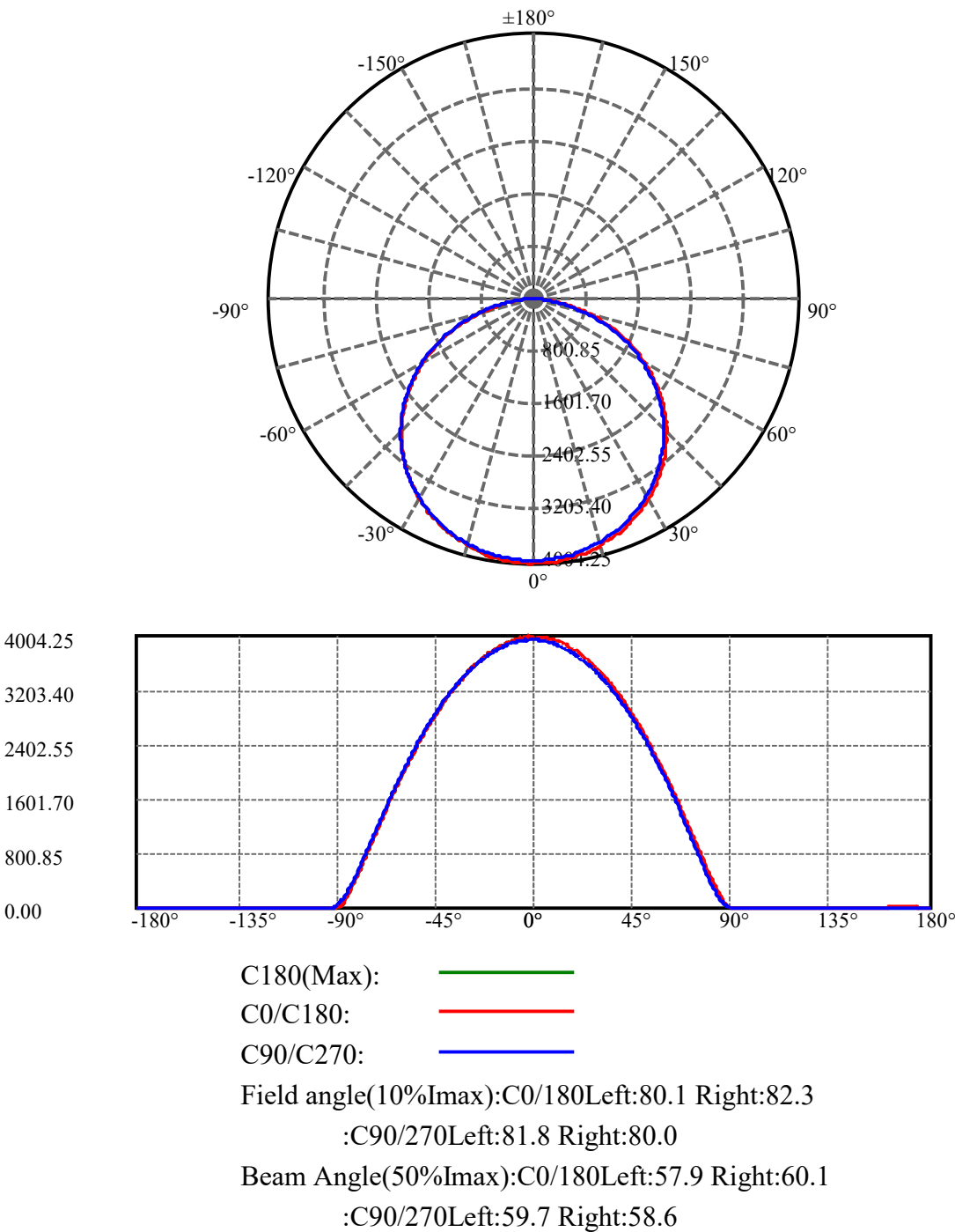
Appendix Page: 11 Total:31

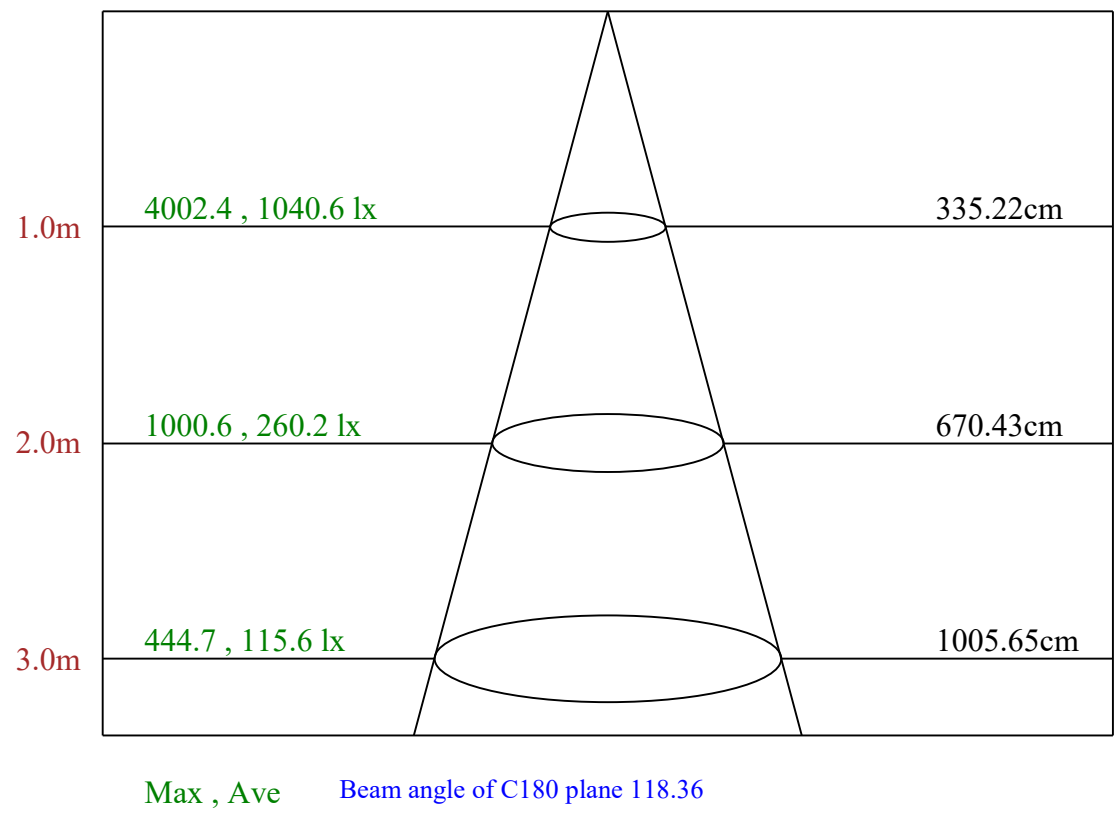
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	11.149	0.098	11999.134	0.00%	99.99%
171.5	11.183	0.093	11999.227	0.00%	99.99%
172.0	11.243	0.088	11999.315	0.00%	99.99%
172.5	11.351	0.084	11999.399	0.00%	99.99%
173.0	11.347	0.079	11999.477	0.00%	100.00%
173.5	11.342	0.073	11999.55	0.00%	100.00%
174.0	11.320	0.068	11999.618	0.00%	100.00%
174.5	11.270	0.062	11999.68	0.00%	100.00%
175.0	11.235	0.056	11999.737	0.00%	100.00%
175.5	11.195	0.051	11999.787	0.00%	100.00%
176.0	11.148	0.045	11999.833	0.00%	100.00%
176.5	11.092	0.040	11999.873	0.00%	100.00%
177.0	11.078	0.034	11999.907	0.00%	100.00%
177.5	11.031	0.029	11999.936	0.00%	100.00%
178.0	10.959	0.024	11999.96	0.00%	100.00%
178.5	10.862	0.018	11999.978	0.00%	100.00%
179.0	10.717	0.013	11999.991	0.00%	100.00%
179.5	10.626	0.008	11999.999	0.00%	100.00%
180.0	10.766	0.003	12000.001	0.00%	100.00%

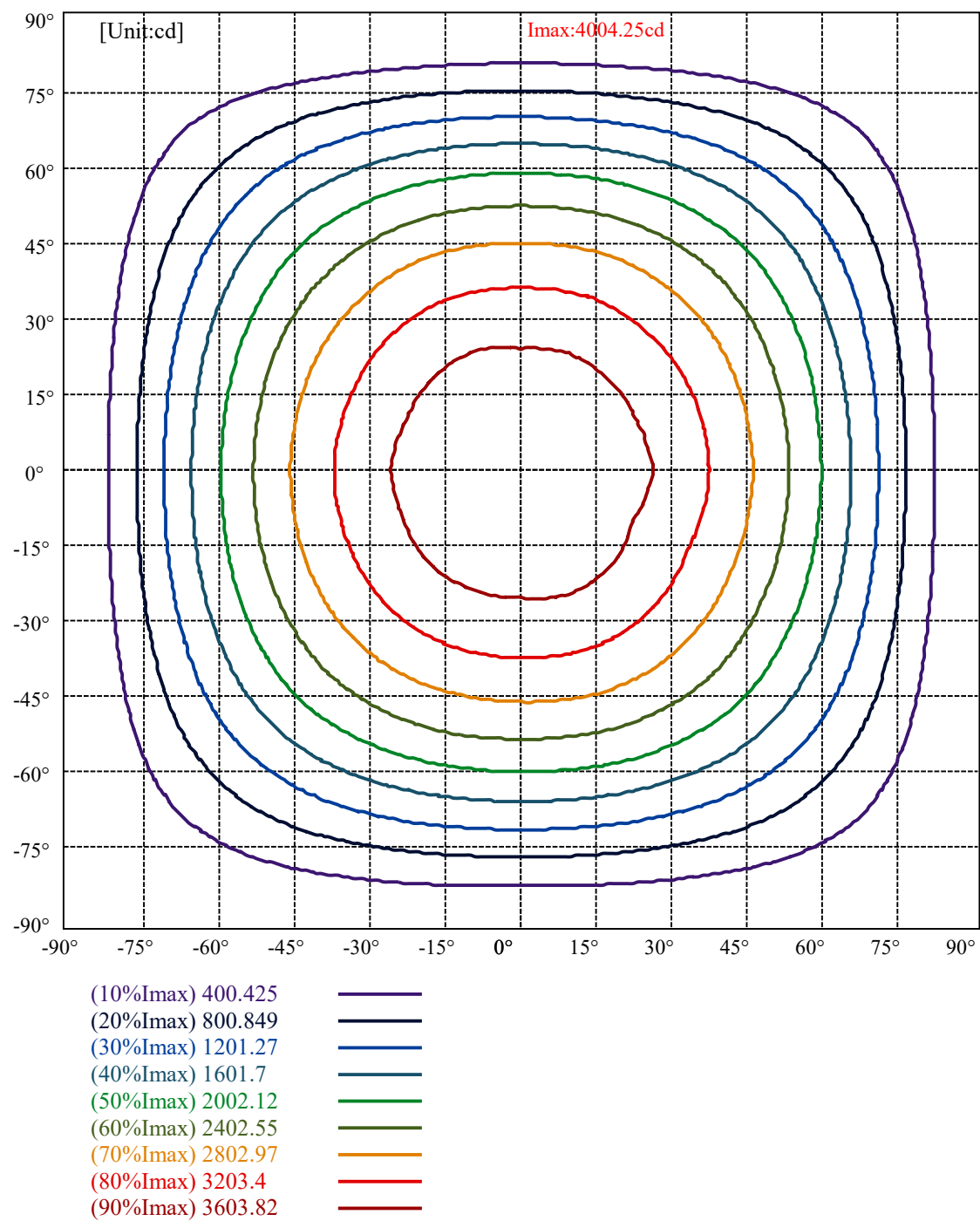
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3119.18	25.99%	25.99%
0-40	5161.24	43.01%	43.01%
0-60	9335.62	77.80%	77.80%
0-90	11971.12	99.76%	99.76%
0-120	11978.76	99.82%	99.82%
0-180	12000.00	100.00%	100.00%
60-90	2635.50	21.96%	21.96%
90-120	7.63	0.06%	0.06%
90-130	12.10	0.10%	0.10%
90-150	20.88	0.17%	0.17%
90-180	28.88	0.24%	0.24%
0-61.47	9600.00	80.00%	80.00%

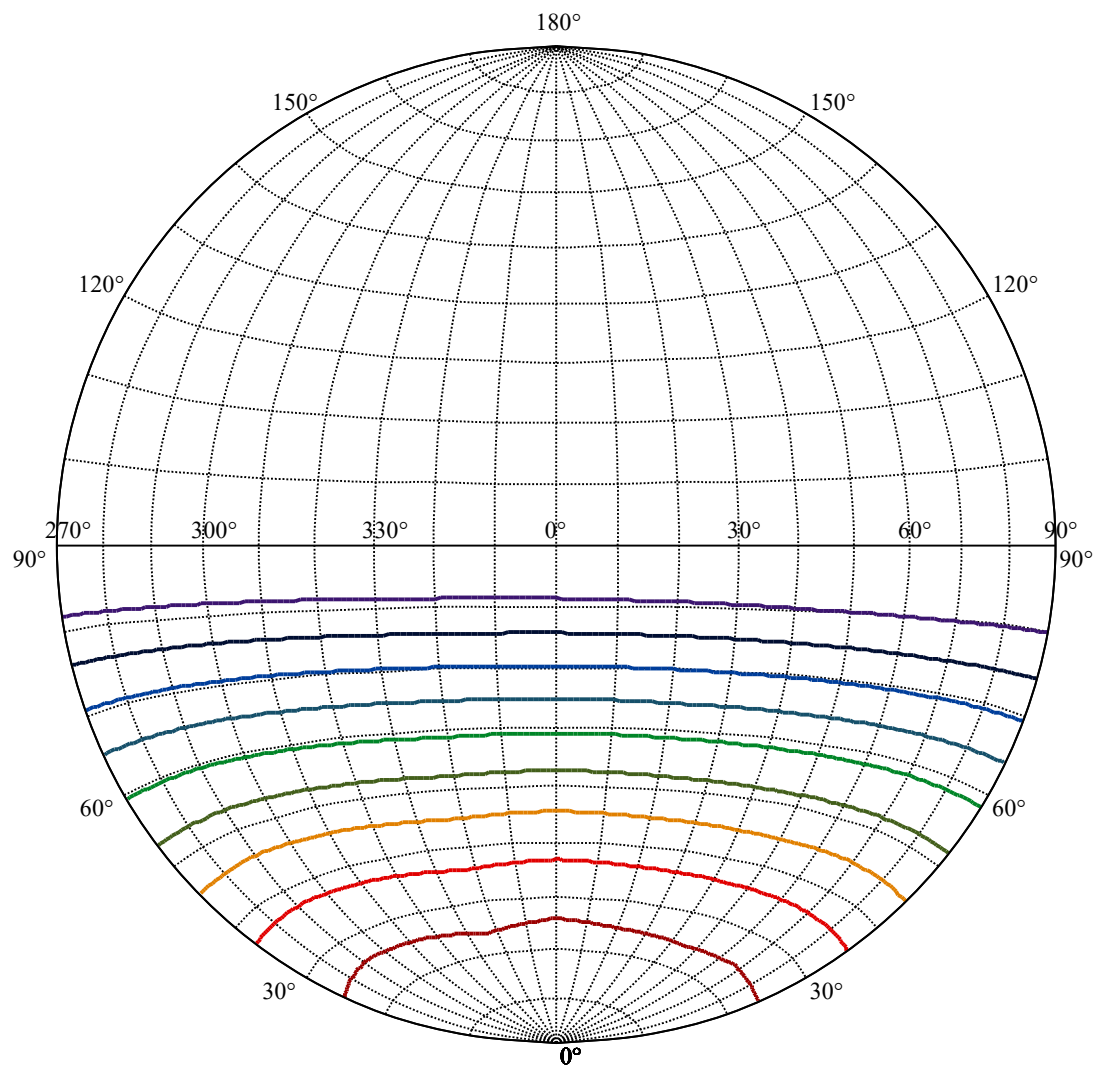
ZONAL LUMEN SUMMARY

0-10	375.62
10-20	1081.77
20-30	1661.80
30-40	2042.06
40-50	2168.31
50-60	2006.06
60-70	1557.83
70-80	877.25
80-90	200.42
90-100	1.53
100-110	2.31
110-120	3.80
120-130	4.47
130-140	4.47
140-150	4.31
150-160	3.93
160-170	3.00
170-180	1.07







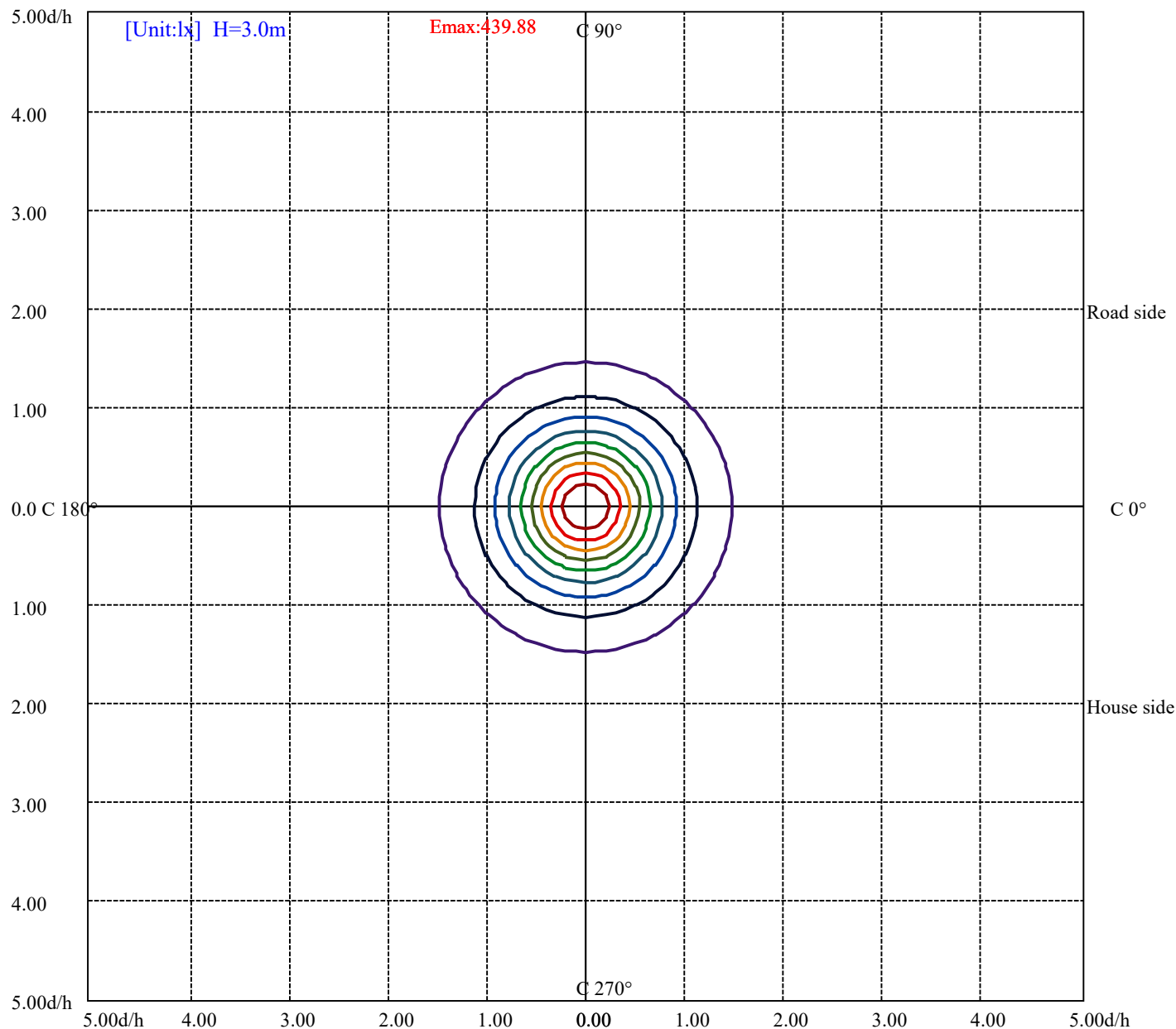


House

[Unit:cd]

Road

Imax:4004.25	
(10%Imax) 400.425	
(20%Imax) 800.849	
(30%Imax) 1201.27	
(40%Imax) 1601.7	
(50%Imax) 2002.12	
(60%Imax) 2402.55	
(70%Imax) 2802.97	
(80%Imax) 3203.4	
(90%Imax) 3603.82	



(10%Emax)	43.98778	—
(20%Emax)	87.97567	—
(30%Emax)	131.9633	—
(40%Emax)	175.9511	—
(50%Emax)	219.9389	—
(60%Emax)	263.9267	—
(70%Emax)	307.9144	—
(80%Emax)	351.9022	—
(90%Emax)	395.89	—

Intensity data(cd)

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C/ γ (°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	3958.91	3988.18	3979.29	3989.97	3975.78	3991.77	3980.00	3990.42	3973.90
22.5	3958.91	3944.27	3951.36	3960.52	3943.28	3946.16	3944.63	3942.56	3938.07
45.0	3958.91	3951.99	3961.42	3953.97	3949.66	3936.10	3937.45	3967.88	3943.37
67.5	3958.91	3970.49	3969.95	3967.17	3957.65	3980.45	3954.15	3950.56	3949.03
90.0	3958.91	3944.36	3942.21	3943.64	3943.55	3941.40	3940.23	3932.33	3930.98
112.5	3958.91	3979.02	3977.49	3978.93	3981.17	3976.05	3973.72	3970.04	3969.23
135.0	3958.91	3960.88	3959.44	3961.69	3962.41	3958.73	3956.39	3957.83	3953.52
157.5	3958.91	3930.89	3933.86	3936.10	3936.19	3936.19	3933.94	3936.91	3932.42
180.0	3958.91	3995.90	4004.25	3989.07	3992.66	3988.98	3991.14	3995.63	3995.00
202.5	3958.91	3946.42	3961.96	3965.01	3954.51	3952.98	3948.58	3958.99	3956.03
225.0	3958.91	3943.01	3952.26	3956.30	3957.20	3962.41	3955.04	3960.07	3960.16
247.5	3958.91	3969.32	3972.01	3967.70	3953.61	3955.67	3949.75	3953.43	3953.43
270.0	3958.91	3945.17	3944.45	3945.17	3949.48	3948.22	3939.42	3944.36	3936.28
292.5	3958.91	3982.70	3981.89	3980.36	3978.03	3975.25	3973.72	3969.95	3969.23
315.0	3958.91	3965.46	3964.65	3963.21	3962.41	3958.64	3959.35	3956.39	3956.39
337.5	3958.91	3936.10	3932.42	3930.08	3927.21	3925.68	3925.68	3924.16	3921.20
360.0	3958.91	3988.18	3979.29	3989.97	3975.78	3991.77	3980.00	3990.42	3973.90
C/ γ (°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	3986.65	3982.88	3978.39	3971.65	3958.82	3961.78	3953.07	3949.75	3954.15
22.5	3952.62	3961.87	3948.85	3933.14	3936.37	3928.29	3940.68	3915.18	3910.15
45.0	3934.21	3925.86	3933.05	3912.22	3921.11	3927.75	3918.77	3917.15	3910.69
67.5	3949.75	3971.12	3960.34	3950.73	3947.50	3944.45	3943.01	3940.77	3921.29
90.0	3931.25	3924.16	3921.82	3917.42	3918.14	3915.90	3913.65	3911.32	3907.55
112.5	3965.55	3958.82	3959.35	3956.48	3952.71	3942.92	3936.91	3932.42	3933.14
135.0	3949.66	3947.32	3946.51	3941.49	3939.06	3932.33	3931.43	3926.22	3923.17
157.5	3932.33	3928.83	3926.49	3924.16	3921.29	3917.51	3918.95	3914.46	3909.25
180.0	3985.21	3974.62	3973.54	3964.92	3970.04	3959.44	3953.43	3952.71	3953.34
202.5	3949.30	3954.42	3947.86	3946.16	3931.16	3933.41	3923.89	3912.58	3915.27
225.0	3954.24	3955.67	3954.24	3945.35	3942.12	3941.40	3941.40	3942.12	3924.25
247.5	3960.16	3954.15	3948.94	3948.94	3954.15	3938.34	3931.88	3937.81	3940.59
270.0	3933.23	3936.91	3931.79	3928.74	3925.06	3920.48	3917.42	3915.99	3909.25
292.5	3967.70	3962.41	3960.88	3955.67	3955.67	3949.66	3948.85	3944.99	3940.59
315.0	3954.15	3954.06	3950.38	3949.57	3945.80	3939.06	3936.64	3932.33	3927.66
337.5	3918.23	3915.18	3914.46	3911.95	3905.39	3902.97	3897.31	3891.21	3889.41
360.0	3986.65	3982.88	3978.39	3971.65	3958.82	3961.78	3953.07	3949.75	3954.15
C/ γ (°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	3944.81	3932.69	3920.75	3926.13	3935.65	3921.64	3911.41	3911.23	3896.77
22.5	3916.80	3908.00	3923.62	3910.06	3898.66	3878.55	3886.54	3859.69	3843.17
45.0	3914.10	3900.28	3887.80	3884.92	3885.64	3867.32	3879.18	3851.88	3835.81
67.5	3914.55	3925.59	3912.13	3893.45	3892.73	3899.92	3871.63	3877.74	3862.03
90.0	3899.11	3890.67	3882.32	3873.88	3865.53	3859.69	3850.44	3843.71	3834.28
112.5	3924.88	3919.13	3915.27	3909.97	3900.19	3890.40	3880.52	3870.65	3860.86
135.0	3914.73	3906.38	3897.94	3889.59	3881.24	3875.40	3871.18	3864.09	3856.10
157.5	3908.45	3903.96	3894.80	3885.64	3876.39	3867.23	3858.08	3850.26	3846.31
180.0	3947.68	3953.79	3941.85	3929.90	3918.05	3906.11	3894.17	3881.06	3868.49
202.5	3918.32	3898.93	3898.75	3893.09	3887.35	3881.60	3875.94	3870.20	3863.55
225.0	3929.10	3905.75	3898.30	3891.21	3884.11	3877.11	3870.02	3868.40	3869.75
247.5	3936.19	3935.83	3925.50	3905.48	3912.85	3908.36	3905.57	3890.76	3875.85
270.0	3900.99	3900.19	3896.41	3890.40	3884.74	3877.29	3873.25	3859.78	3854.66
292.5	3933.23	3933.68	3926.40	3924.70	3917.24	3910.51	3905.48	3894.89	3886.54
315.0	3922.36	3917.78	3912.76	3904.94	3898.93	3894.71	3886.36	3874.87	3868.04
337.5	3882.95	3882.86	3875.40	3869.39	3861.13	3851.43	3848.29	3838.95	3831.95
360.0	3944.81	3932.69	3920.75	3926.13	3935.65	3921.64	3911.41	3911.23	3896.77

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	3882.14	3889.23	3884.11	3869.84	3846.40	3836.35	3815.52	3810.22	3804.92
22.5	3860.68	3845.06	3835.00	3824.50	3821.98	3808.34	3799.90	3788.40	3766.58
45.0	3826.38	3835.09	3815.79	3820.10	3812.56	3795.23	3786.97	3783.64	3771.97
67.5	3851.97	3859.42	3845.96	3833.12	3824.59	3803.49	3801.33	3785.98	3770.80
90.0	3828.27	3821.62	3816.15	3807.26	3799.18	3788.13	3777.99	3766.67	3755.90
112.5	3859.87	3851.07	3844.88	3838.50	3831.05	3820.55	3812.11	3802.68	3791.28
135.0	3847.84	3837.25	3829.17	3821.08	3814.17	3804.47	3793.88	3783.02	3774.93
157.5	3840.12	3830.42	3823.24	3812.82	3803.94	3793.07	3784.36	3777.00	3764.16
180.0	3873.61	3874.15	3857.00	3844.97	3833.48	3824.95	3813.27	3810.67	3799.00
202.5	3844.25	3838.50	3835.09	3826.92	3808.60	3796.66	3800.97	3792.62	3777.63
225.0	3861.94	3848.02	3837.16	3833.12	3831.50	3821.71	3807.71	3798.64	3788.49
247.5	3861.04	3846.22	3832.13	3842.99	3833.83	3812.20	3812.56	3815.97	3788.22
270.0	3847.30	3840.39	3834.37	3829.79	3820.82	3812.47	3798.82	3792.35	3784.81
292.5	3880.52	3876.93	3865.08	3855.29	3846.13	3834.01	3828.63	3819.29	3807.98
315.0	3863.01	3854.04	3848.65	3838.86	3829.79	3825.04	3814.98	3800.61	3795.85
337.5	3822.88	3818.30	3811.93	3802.41	3793.43	3784.90	3774.31	3762.19	3754.55
360.0	3882.14	3889.23	3884.11	3869.84	3846.40	3836.35	3815.52	3810.22	3804.92
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	3796.57	3795.05	3785.26	3774.40	3768.83	3754.55	3746.65	3725.46	3714.78
22.5	3766.14	3753.66	3757.79	3745.04	3725.46	3722.59	3701.40	3687.04	3686.95
45.0	3756.26	3743.60	3735.79	3724.39	3717.47	3701.40	3689.91	3678.51	3656.69
67.5	3780.05	3761.11	3748.09	3737.31	3723.85	3715.95	3710.47	3688.65	3673.03
90.0	3748.63	3736.42	3726.18	3717.83	3705.80	3692.42	3679.85	3667.19	3654.35
112.5	3778.62	3768.20	3755.90	3744.32	3732.74	3719.36	3707.96	3695.03	3682.64
135.0	3763.71	3754.10	3744.23	3733.72	3721.42	3710.38	3697.45	3685.51	3674.02
157.5	3754.55	3745.04	3737.58	3728.34	3719.09	3706.61	3694.85	3682.55	3671.68
180.0	3791.19	3775.65	3767.57	3750.69	3753.84	3747.28	3726.63	3714.60	3703.74
202.5	3768.83	3755.27	3740.10	3725.37	3721.33	3715.68	3706.16	3702.12	3687.93
225.0	3774.31	3764.88	3748.99	3748.72	3738.84	3722.05	3704.27	3693.05	3679.13
247.5	3780.41	3775.65	3767.66	3751.32	3742.25	3731.75	3731.75	3729.41	3700.23
270.0	3773.68	3766.05	3756.35	3744.86	3735.61	3722.05	3712.71	3697.27	3685.60
292.5	3802.68	3787.77	3783.11	3771.61	3757.25	3745.04	3736.51	3726.63	3710.92
315.0	3780.05	3777.72	3762.63	3756.35	3743.42	3730.31	3721.06	3709.66	3695.39
337.5	3745.58	3737.23	3728.07	3715.23	3703.11	3692.42	3680.93	3671.68	3657.59
360.0	3796.57	3795.05	3785.26	3774.40	3768.83	3754.55	3746.65	3725.46	3714.78
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	3698.44	3689.82	3658.21	3659.92	3645.55	3633.34	3607.40	3607.84	3584.68
22.5	3671.23	3655.97	3643.04	3630.65	3607.75	3597.61	3575.25	3562.68	3558.37
45.0	3657.32	3641.51	3618.80	3608.29	3603.89	3588.09	3586.30	3561.61	3550.65
67.5	3669.35	3653.55	3632.72	3617.00	3609.01	3599.94	3578.13	3561.43	3552.63
90.0	3643.94	3629.12	3614.67	3599.40	3583.42	3571.48	3560.26	3550.20	3535.66
112.5	3670.87	3656.78	3643.04	3631.10	3618.26	3604.52	3586.74	3572.38	3556.76
135.0	3662.52	3650.40	3634.78	3619.97	3607.31	3591.68	3573.55	3560.08	3546.25
157.5	3658.57	3645.02	3630.38	3616.37	3603.00	3588.72	3576.51	3561.16	3545.35
180.0	3686.41	3678.51	3656.15	3638.91	3632.54	3617.18	3601.20	3591.86	3582.26
202.5	3674.82	3653.63	3644.39	3631.82	3614.31	3602.19	3588.45	3570.31	3557.03
225.0	3679.58	3663.06	3645.64	3636.40	3632.45	3619.61	3600.21	3585.49	3574.62
247.5	3696.01	3676.71	3658.03	3640.35	3629.03	3607.04	3599.14	3580.64	3557.39
270.0	3675.27	3660.91	3646.63	3633.43	3620.41	3606.77	3596.89	3582.97	3567.71
292.5	3700.41	3689.10	3679.67	3663.06	3646.27	3636.40	3622.84	3607.93	3593.57
315.0	3684.07	3671.77	3655.97	3645.11	3632.72	3619.79	3604.79	3590.96	3573.82
337.5	3645.46	3634.24	3618.35	3607.49	3592.31	3583.78	3565.20	3550.83	3535.75
360.0	3698.44	3689.82	3658.21	3659.92	3645.55	3633.34	3607.40	3607.84	3584.68

Intensity data(cd)

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C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	3568.34	3555.86	3537.72	3530.45	3510.97	3494.18	3478.28	3462.39	3446.32
22.5	3532.42	3525.06	3510.52	3488.61	3473.44	3447.94	3436.44	3424.32	3408.07
45.0	3531.89	3501.63	3486.36	3480.26	3450.00	3441.74	3434.47	3403.76	3393.08
67.5	3532.60	3520.12	3512.22	3487.26	3472.54	3458.98	3444.79	3417.14	3412.92
90.0	3520.66	3503.42	3487.98	3469.40	3453.05	3436.71	3419.03	3403.13	3386.34
112.5	3541.85	3522.82	3506.48	3487.44	3472.09	3458.62	3440.75	3422.62	3408.07
135.0	3530.99	3514.74	3498.85	3483.76	3466.88	3448.03	3429.89	3414.09	3396.94
157.5	3528.29	3512.67	3497.86	3480.17	3463.65	3448.57	3433.39	3414.36	3395.14
180.0	3559.54	3545.71	3530.36	3511.15	3498.40	3478.28	3460.69	3442.91	3429.26
202.5	3543.83	3523.81	3522.28	3495.88	3478.19	3470.92	3462.21	3434.02	3400.08
225.0	3557.56	3542.93	3533.59	3506.75	3488.07	3475.05	3461.14	3440.84	3418.22
247.5	3541.40	3547.60	3530.36	3511.95	3499.92	3482.32	3463.83	3439.86	3433.75
270.0	3549.75	3536.55	3521.29	3505.40	3487.35	3470.83	3452.87	3441.38	3423.96
292.5	3577.14	3561.69	3548.59	3532.60	3515.37	3498.13	3481.52	3464.37	3449.28
315.0	3561.61	3542.48	3526.50	3514.11	3493.82	3481.70	3462.21	3439.50	3427.02
337.5	3522.82	3505.31	3488.70	3469.75	3457.72	3439.68	3425.31	3407.26	3387.60
360.0	3568.34	3555.86	3537.72	3530.45	3510.97	3494.18	3478.28	3462.39	3446.32
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	3431.15	3408.97	3383.20	3371.80	3357.16	3335.97	3306.17	3301.68	3272.68
22.5	3380.42	3378.26	3363.36	3330.32	3321.70	3303.56	3274.74	3265.31	3225.63
45.0	3373.68	3356.71	3334.36	3308.14	3306.26	3271.69	3260.73	3241.43	3215.66
67.5	3386.34	3369.20	3336.06	3321.70	3306.61	3297.46	3274.56	3250.95	3234.97
90.0	3366.59	3346.93	3327.18	3311.28	3294.04	3272.32	3251.94	3232.00	3209.56
112.5	3390.74	3371.98	3354.83	3338.94	3318.47	3291.71	3270.07	3252.20	3231.37
135.0	3379.43	3360.13	3341.99	3322.69	3304.10	3283.54	3264.42	3244.39	3225.27
157.5	3377.99	3360.31	3338.40	3324.12	3305.99	3287.67	3265.22	3245.02	3225.54
180.0	3405.83	3390.03	3367.22	3350.34	3328.07	3308.59	3293.15	3278.51	3259.75
202.5	3377.28	3348.45	3343.88	3333.19	3322.42	3306.97	3284.71	3263.16	3240.89
225.0	3400.62	3387.96	3364.98	3349.71	3325.56	3309.67	3292.79	3276.09	3251.31
247.5	3417.95	3398.64	3382.57	3360.22	3338.40	3319.45	3299.61	3272.23	3256.42
270.0	3410.95	3387.87	3374.04	3353.75	3335.53	3318.11	3298.09	3276.81	3261.54
292.5	3431.42	3413.37	3397.75	3378.89	3361.47	3341.90	3321.88	3301.86	3282.19
315.0	3410.32	3397.66	3373.24	3357.25	3340.55	3316.40	3302.22	3278.42	3259.48
337.5	3372.61	3357.16	3335.35	3318.02	3301.32	3281.03	3261.63	3247.81	3225.27
360.0	3431.15	3408.97	3383.20	3371.80	3357.16	3335.97	3306.17	3301.68	3272.68
C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	3255.53	3235.50	3205.70	3186.75	3170.68	3134.05	3132.52	3108.19	3090.32
22.5	3219.25	3205.25	3173.64	3150.66	3124.17	3103.97	3081.34	3072.19	3061.68
45.0	3205.25	3184.42	3175.71	3142.94	3108.19	3102.44	3076.23	3048.21	3017.87
67.5	3208.93	3195.55	3169.96	3156.40	3143.38	3108.28	3077.57	3068.06	3036.81
90.0	3191.42	3170.14	3150.12	3128.48	3105.05	3080.89	3058.00	3038.34	3016.43
112.5	3209.56	3189.53	3169.60	3148.14	3125.16	3103.16	3083.86	3061.95	3035.64
135.0	3204.80	3183.52	3161.88	3141.05	3118.60	3096.25	3074.25	3051.89	3029.45
157.5	3204.26	3184.33	3164.30	3142.94	3118.33	3098.22	3081.34	3055.57	3032.32
180.0	3237.93	3215.75	3186.57	3176.07	3153.89	3129.20	3104.51	3085.83	3060.69
202.5	3221.77	3200.58	3180.20	3156.58	3140.24	3121.03	3094.00	3070.21	3051.00
225.0	3235.77	3219.79	3192.95	3172.30	3151.56	3136.47	3108.64	3088.08	3065.99
247.5	3242.69	3222.67	3198.78	3178.67	3154.70	3138.00	3116.99	3097.86	3076.49
270.0	3241.34	3215.48	3201.84	3179.93	3154.07	3130.19	3111.33	3090.86	3073.17
292.5	3263.34	3240.62	3217.10	3196.63	3173.91	3153.80	3129.02	3110.16	3087.81
315.0	3241.16	3222.76	3200.04	3180.83	3156.40	3133.42	3116.90	3099.93	3070.39
337.5	3202.64	3184.24	3164.48	3149.94	3124.17	3106.39	3083.14	3058.27	3038.61
360.0	3255.53	3235.50	3205.70	3186.75	3170.68	3134.05	3132.52	3108.19	3090.32

Intensity data(cd)

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C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	3064.55	3033.58	3004.22	2984.73	2963.10	2938.14	2912.28	2877.26	2855.62
22.5	3021.64	2990.21	2969.20	2958.97	2928.26	2914.88	2880.22	2852.21	2830.57
45.0	3010.14	2976.83	2946.49	2931.85	2907.25	2898.99	2863.70	2839.10	2815.40
67.5	3007.18	2990.48	2966.24	2935.35	2921.79	2903.30	2858.41	2836.77	2818.54
90.0	2994.61	2974.68	2950.35	2927.99	2902.58	2876.90	2849.70	2826.08	2803.91
112.5	3015.17	2989.67	2967.23	2939.93	2917.84	2894.05	2870.71	2845.12	2821.68
135.0	3005.12	2983.39	2959.41	2935.89	2912.73	2887.59	2862.00	2837.49	2813.24
157.5	3011.22	2987.34	2963.54	2939.21	2916.59	2893.69	2867.65	2842.42	2818.09
180.0	3042.11	3018.76	2994.61	2967.41	2941.64	2920.63	2894.59	2865.41	2836.77
202.5	3030.08	3003.14	2975.94	2952.05	2933.11	2918.11	2900.25	2872.41	2833.27
225.0	3049.02	3025.59	2994.52	2968.21	2953.40	2924.13	2904.65	2873.22	2855.89
247.5	3042.74	3017.06	2997.93	2975.04	2954.93	2938.23	2905.00	2878.07	2853.92
270.0	3049.20	3023.52	3001.97	2978.54	2954.48	2930.95	2909.05	2885.52	2858.95
292.5	3061.68	3047.05	3021.01	2995.96	2973.60	2947.02	2925.48	2900.61	2874.66
315.0	3051.98	3030.52	3003.68	2980.16	2955.28	2929.34	2907.34	2885.79	2859.12
337.5	3016.43	2989.94	2967.14	2947.74	2921.62	2901.23	2874.84	2854.73	2828.87
360.0	3064.55	3033.58	3004.22	2984.73	2963.10	2938.14	2912.28	2877.26	2855.62
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	2845.48	2809.92	2785.68	2759.82	2738.99	2705.50	2675.24	2653.07	2627.84
22.5	2806.96	2783.70	2746.89	2722.02	2693.65	2673.72	2648.76	2621.46	2598.12
45.0	2791.70	2762.07	2735.85	2719.06	2681.89	2664.83	2642.83	2599.82	2575.40
67.5	2797.35	2766.20	2744.38	2725.34	2691.59	2664.02	2633.22	2606.74	2583.12
90.0	2777.51	2752.28	2726.51	2702.00	2673.18	2646.42	2618.59	2591.92	2565.62
112.5	2797.44	2768.62	2743.93	2716.37	2687.81	2658.90	2631.70	2604.22	2577.83
135.0	2786.22	2760.72	2735.58	2709.18	2682.61	2654.59	2627.66	2599.47	2571.27
157.5	2794.93	2768.44	2742.85	2717.98	2691.23	2663.84	2635.92	2608.89	2583.30
180.0	2818.00	2790.35	2763.23	2734.14	2714.66	2690.69	2664.47	2632.96	2603.33
202.5	2805.70	2780.83	2763.86	2740.16	2709.36	2683.95	2666.71	2636.73	2610.69
225.0	2829.85	2793.76	2774.55	2752.10	2721.75	2696.25	2670.67	2639.69	2615.18
247.5	2817.91	2793.76	2780.47	2762.61	2734.95	2707.66	2692.12	2660.79	2630.08
270.0	2833.81	2809.56	2779.66	2757.22	2730.19	2703.62	2676.41	2652.89	2625.68
292.5	2851.94	2826.89	2801.21	2776.70	2750.39	2723.10	2696.70	2670.13	2641.13
315.0	2836.95	2811.00	2785.05	2756.59	2732.53	2708.29	2678.75	2651.36	2624.43
337.5	2802.47	2778.32	2749.05	2721.75	2698.77	2672.91	2644.27	2620.12	2592.01
360.0	2845.48	2809.92	2785.68	2759.82	2738.99	2705.50	2675.24	2653.07	2627.84
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	2598.30	2559.33	2530.51	2515.97	2486.16	2448.63	2413.79	2390.27	2355.52
22.5	2560.77	2530.69	2504.83	2484.90	2450.06	2416.39	2390.09	2365.84	2337.11
45.0	2540.39	2519.56	2494.42	2458.23	2440.28	2402.39	2369.61	2352.91	2310.54
67.5	2556.55	2527.64	2491.99	2462.90	2431.30	2400.32	2369.79	2349.95	2304.79
90.0	2537.33	2512.82	2483.01	2452.58	2421.60	2392.24	2361.26	2331.82	2301.56
112.5	2548.83	2517.31	2489.84	2461.20	2430.58	2400.32	2369.53	2341.69	2312.96
135.0	2543.98	2513.81	2482.48	2455.00	2429.23	2399.69	2372.04	2341.69	2310.63
157.5	2555.74	2526.83	2496.93	2468.29	2439.56	2409.93	2379.22	2349.23	2319.07
180.0	2575.76	2544.97	2518.93	2490.11	2460.03	2432.29	2406.34	2374.91	2342.95
202.5	2578.19	2552.96	2523.87	2492.35	2462.27	2435.34	2403.46	2376.17	2347.98
225.0	2582.32	2555.74	2528.62	2499.71	2476.37	2444.68	2418.01	2388.74	2355.25
247.5	2600.90	2570.91	2541.64	2515.52	2489.30	2452.94	2432.64	2406.70	2374.37
270.0	2596.95	2567.23	2540.57	2513.45	2482.39	2455.27	2425.19	2395.56	2363.42
292.5	2612.30	2584.47	2557.00	2528.45	2498.73	2470.08	2442.52	2409.84	2382.81
315.0	2594.26	2568.85	2542.27	2511.83	2482.83	2454.28	2425.91	2392.60	2365.48
337.5	2563.19	2534.37	2511.30	2480.77	2449.88	2421.60	2397.18	2362.70	2337.38
360.0	2598.30	2559.33	2530.51	2515.97	2486.16	2448.63	2413.79	2390.27	2355.52

Intensity data(cd)

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C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	2320.05	2289.62	2258.55	2233.23	2193.73	2170.20	2141.83	2112.11	2071.98
22.5	2306.05	2269.86	2241.04	2215.00	2180.35	2143.80	2114.80	2082.84	2046.57
45.0	2284.86	2251.64	2216.98	2186.54	2156.55	2107.26	2082.84	2068.65	2043.16
67.5	2272.83	2256.49	2223.44	2194.89	2154.85	2121.36	2086.97	2060.12	2027.80
90.0	2273.63	2242.93	2211.05	2181.96	2148.38	2116.60	2081.85	2050.16	2020.35
112.5	2282.79	2251.10	2219.04	2187.89	2156.64	2123.87	2091.64	2058.69	2024.30
135.0	2280.64	2253.43	2221.56	2189.24	2156.46	2125.31	2093.17	2059.41	2026.10
157.5	2286.56	2256.49	2225.60	2193.91	2160.24	2129.80	2096.67	2063.90	2029.33
180.0	2315.21	2275.16	2247.78	2219.22	2188.25	2155.12	2124.77	2092.27	2057.70
202.5	2314.85	2288.00	2251.64	2219.13	2195.25	2167.33	2122.88	2093.53	2060.66
225.0	2327.77	2293.39	2264.21	2232.33	2197.86	2169.93	2143.45	2109.06	2078.80
247.5	2341.69	2300.39	2276.69	2245.89	2215.00	2175.59	2146.86	2117.86	2084.10
270.0	2333.25	2305.87	2276.06	2243.38	2212.22	2181.25	2148.20	2116.15	2085.18
292.5	2352.11	2319.42	2286.47	2254.51	2226.41	2195.97	2163.02	2131.59	2102.32
315.0	2334.24	2306.14	2273.81	2242.75	2210.69	2180.08	2147.85	2116.42	2083.83
337.5	2306.05	2274.62	2245.89	2214.83	2184.39	2150.81	2117.86	2091.19	2056.71
360.0	2320.05	2289.62	2258.55	2233.23	2193.73	2170.20	2141.83	2112.11	2071.98

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	2039.29	2009.85	1964.59	1938.74	1912.88	1873.46	1840.69	1808.28	1777.21
22.5	2014.69	1987.49	1946.73	1913.51	1879.48	1848.32	1815.91	1781.07	1745.16
45.0	1999.43	1959.74	1927.69	1900.49	1863.50	1830.09	1795.71	1768.32	1718.67
67.5	1997.28	1964.86	1931.28	1898.69	1865.47	1823.45	1794.45	1755.66	1719.48
90.0	1988.03	1953.19	1916.83	1884.86	1853.98	1820.58	1786.37	1750.55	1714.27
112.5	1992.43	1961.09	1925.90	1891.78	1857.93	1823.72	1787.90	1754.59	1720.02
135.0	1994.31	1960.46	1926.61	1892.77	1858.11	1825.52	1792.83	1757.64	1722.98
157.5	1998.80	1965.22	1932.09	1899.50	1869.78	1836.83	1804.87	1772.09	1735.28
180.0	2027.26	1994.67	1961.54	1932.54	1896.81	1858.29	1824.89	1792.56	1760.78
202.5	2033.91	2000.51	1965.13	1932.18	1900.13	1867.27	1835.21	1799.66	1770.21
225.0	2046.39	2011.28	1981.38	1949.96	1915.30	1881.18	1845.81	1811.33	1780.08
247.5	2055.64	2014.33	1979.14	1946.01	1917.10	1886.39	1856.49	1821.83	1789.42
270.0	2054.38	2022.06	1990.90	1954.63	1923.38	1890.34	1853.53	1819.23	1786.91
292.5	2070.09	2036.33	2001.41	1967.20	1935.41	1901.65	1867.45	1835.21	1801.36
315.0	2051.95	2020.89	1986.59	1950.86	1919.79	1885.40	1851.46	1816.45	1783.59
337.5	2023.40	1991.08	1962.17	1928.14	1897.16	1860.26	1832.97	1796.34	1760.15
360.0	2039.29	2009.85	1964.59	1938.74	1912.88	1873.46	1840.69	1808.28	1777.21

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	1739.32	1699.64	1668.75	1631.49	1594.32	1557.06	1519.80	1485.68	1445.90
22.5	1705.65	1669.92	1634.18	1598.54	1562.89	1527.16	1492.77	1455.60	1420.76
45.0	1692.36	1656.81	1621.16	1585.52	1549.87	1512.97	1479.39	1440.25	1402.90
67.5	1682.58	1645.59	1608.68	1571.69	1534.70	1497.71	1460.72	1421.12	1389.79
90.0	1677.55	1642.62	1606.62	1569.09	1532.64	1496.00	1459.37	1419.33	1379.73
112.5	1687.34	1652.50	1617.21	1578.70	1541.70	1504.44	1468.08	1432.17	1395.62
135.0	1689.94	1655.10	1618.74	1583.36	1545.92	1510.91	1477.15	1440.52	1405.77
157.5	1699.46	1665.43	1628.71	1594.23	1557.96	1524.02	1488.28	1450.75	1414.12
180.0	1723.07	1687.79	1653.31	1618.20	1580.49	1543.50	1506.06	1469.70	1433.87
202.5	1734.92	1696.14	1661.84	1625.29	1590.82	1556.70	1518.36	1486.04	1446.08
225.0	1746.86	1711.22	1676.83	1644.96	1606.26	1568.01	1536.59	1499.86	1463.23
247.5	1749.56	1714.54	1681.32	1639.57	1609.49	1574.75	1543.05	1508.48	1471.58
270.0	1751.62	1716.52	1681.77	1645.77	1609.76	1573.76	1537.66	1504.26	1467.54
292.5	1765.81	1731.15	1694.16	1656.81	1619.37	1582.02	1544.85	1512.08	1474.63
315.0	1750.10	1715.44	1682.04	1645.86	1609.67	1573.40	1537.22	1501.57	1465.03
337.5	1729.09	1697.66	1661.12	1624.58	1587.94	1551.40	1517.46	1483.70	1446.80
360.0	1739.32	1699.64	1668.75	1631.49	1594.32	1557.06	1519.80	1485.68	1445.90

Intensity data(cd)

Appendix Page: 23 Total:31

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	1408.55	1376.41	1338.52	1303.59	1264.45	1223.15	1186.96	1152.66	1111.27
22.5	1381.08	1344.89	1312.03	1276.93	1236.79	1198.63	1163.71	1126.09	1088.11
45.0	1365.99	1328.73	1290.49	1253.67	1215.60	1175.20	1136.14	1097.63	1062.43
67.5	1348.31	1307.90	1267.14	1228.08	1187.50	1151.32	1110.65	1073.38	1035.76
90.0	1338.97	1301.80	1264.36	1226.92	1185.44	1146.20	1107.86	1068.63	1028.22
112.5	1358.09	1320.56	1281.69	1242.81	1202.85	1161.01	1122.50	1084.34	1045.10
135.0	1368.60	1332.15	1292.55	1257.80	1219.29	1182.11	1143.42	1106.25	1067.64
157.5	1376.32	1339.06	1302.16	1264.45	1224.22	1187.50	1149.88	1111.63	1073.74
180.0	1398.50	1360.25	1322.99	1283.30	1245.14	1207.79	1171.70	1135.07	1096.64
202.5	1409.99	1368.24	1330.26	1296.59	1263.91	1227.28	1189.93	1149.70	1108.67
225.0	1424.71	1389.43	1356.48	1318.68	1279.26	1242.27	1204.92	1169.72	1130.22
247.5	1438.99	1402.81	1366.80	1334.30	1296.41	1254.12	1218.57	1179.06	1143.60
270.0	1431.99	1396.61	1360.16	1324.78	1287.16	1251.70	1213.90	1177.18	1139.65
292.5	1440.07	1402.63	1365.19	1330.44	1291.92	1253.04	1217.31	1180.05	1143.33
315.0	1427.77	1391.94	1354.68	1319.13	1280.79	1244.51	1209.23	1172.60	1133.99
337.5	1410.26	1373.90	1335.74	1300.99	1264.45	1226.74	1189.84	1151.95	1115.04
360.0	1408.55	1376.41	1338.52	1303.59	1264.45	1223.15	1186.96	1152.66	1111.27
C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	1078.59	1037.11	1002.90	960.88	923.89	886.91	853.69	816.08	778.68
22.5	1049.77	1012.87	976.06	936.10	902.16	865.05	828.98	792.12	754.09
45.0	1024.72	986.20	948.22	906.65	869.23	832.41	795.63	751.83	714.35
67.5	993.65	954.69	917.34	878.60	839.52	794.56	754.96	717.39	683.99
90.0	988.63	949.66	912.31	874.37	837.88	799.17	760.53	722.01	685.79
112.5	1006.94	968.34	928.11	887.35	849.86	807.75	767.64	728.42	690.29
135.0	1028.40	986.74	946.43	904.50	864.01	821.85	782.35	741.17	700.84
157.5	1036.21	998.41	961.96	924.88	888.11	849.61	812.76	776.22	739.77
180.0	1058.93	1022.92	985.21	947.33	908.54	870.50	833.29	795.18	758.17
202.5	1070.15	1036.48	996.89	960.25	925.24	885.34	849.80	817.05	778.12
225.0	1095.56	1058.39	1021.31	983.96	945.35	910.96	872.79	836.45	801.06
247.5	1110.73	1068.89	1032.80	995.99	960.16	923.71	886.21	842.02	805.11
270.0	1100.14	1062.25	1025.98	988.99	953.34	916.62	879.76	841.85	805.64
292.5	1106.25	1068.27	1031.90	994.55	956.30	918.77	882.20	843.99	806.96
315.0	1095.02	1059.11	1021.13	984.14	948.22	910.06	871.49	834.78	798.20
337.5	1077.07	1042.14	1004.97	967.98	930.27	893.38	857.54	819.05	782.96
360.0	1078.59	1037.11	1002.90	960.88	923.89	886.91	853.69	816.08	778.68
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	738.17	706.01	665.31	626.77	591.98	559.07	525.97	489.53	454.70
22.5	715.98	681.53	644.24	607.66	570.89	533.68	499.72	462.56	426.06
45.0	676.11	635.83	597.96	560.15	522.96	485.57	448.00	414.04	376.06
67.5	645.53	608.47	569.89	532.11	495.44	460.90	426.63	390.04	353.71
90.0	646.76	609.58	571.78	533.77	498.85	463.80	427.77	393.23	360.35
112.5	647.86	608.50	569.78	530.54	492.63	454.89	417.43	381.63	343.52
135.0	661.98	621.37	581.76	543.53	503.83	469.52	433.19	397.40	361.84
157.5	701.94	664.96	628.81	593.89	556.49	521.08	487.43	454.23	420.47
180.0	719.84	684.47	648.30	612.75	576.14	542.49	506.64	472.34	437.16
202.5	737.82	704.96	670.16	636.14	600.04	565.43	528.74	495.88	461.34
225.0	761.91	723.30	686.27	650.68	620.14	584.61	547.55	511.72	478.48
247.5	768.92	733.56	695.60	663.28	627.35	595.88	556.06	522.96	488.92
270.0	768.18	732.80	696.00	660.71	624.69	589.40	553.98	518.44	484.74
292.5	769.97	734.35	697.51	661.89	626.37	590.73	553.18	518.91	485.95
315.0	761.69	725.17	688.32	651.60	616.00	581.05	545.66	510.65	477.35
337.5	745.16	709.86	673.89	638.17	602.62	567.53	533.74	498.54	464.87
360.0	738.17	706.01	665.31	626.77	591.98	559.07	525.97	489.53	454.70

Intensity data(cd)										Appendix Page: 24 Total:31	
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0		
0.0	423.66	389.45	355.17	322.20	288.98	256.36	224.52	192.21	162.76		
22.5	392.70	359.79	327.27	296.14	265.88	236.40	209.69	184.47	159.06		
45.0	340.32	308.42	274.03	246.42	221.48	196.74	173.62	153.62	133.19		
67.5	321.68	289.08	255.29	225.44	197.80	171.52	147.77	125.06	102.71		
90.0	328.52	296.12	265.85	236.52	207.75	180.94	154.75	132.55	110.27		
112.5	306.53	274.68	241.13	208.43	179.99	151.90	126.80	105.49	86.72		
135.0	328.80	294.19	261.35	229.88	199.66	171.11	145.43	121.39	97.80		
157.5	387.19	352.45	318.50	285.60	251.53	216.20	183.93	154.61	126.08		
180.0	405.72	373.13	341.18	306.15	270.48	234.92	200.66	168.26	138.34		
202.5	428.08	393.87	364.28	334.41	303.54	268.09	234.59	204.56	175.51		
225.0	444.70	411.75	379.28	349.35	318.36	289.57	261.21	234.62	208.63		
247.5	455.20	421.25	391.63	360.85	329.42	299.42	270.43	242.60	216.53		
270.0	450.93	417.86	384.88	353.37	322.46	292.62	263.74	235.62	208.58		
292.5	451.64	419.13	385.06	354.21	323.46	293.54	264.98	236.76	210.30		
315.0	444.80	411.41	379.80	347.68	317.04	287.54	259.71	232.40	205.79		
337.5	431.53	399.46	367.44	336.70	306.65	274.64	242.28	210.52	181.03		
360.0	423.66	389.45	355.17	322.20	288.98	256.36	224.52	192.21	162.76		
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5		
0.0	134.32	107.90	84.10	59.38	37.63	26.87	20.12	14.21	9.37		
22.5	135.35	113.47	94.08	75.30	58.32	42.42	30.13	19.67	10.83		
45.0	110.80	88.27	69.73	52.35	36.94	23.44	13.96	8.03	3.55		
67.5	82.71	64.97	47.85	32.14	19.86	11.70	6.73	3.63	1.72		
90.0	90.41	71.34	53.72	37.73	25.01	15.37	8.21	4.57	2.68		
112.5	68.13	52.62	38.43	26.35	17.01	10.11	5.37	3.45	2.50		
135.0	77.53	60.47	45.54	31.97	21.52	13.47	8.16	5.44	3.45		
157.5	102.67	82.00	65.27	51.15	38.22	27.34	17.31	9.94	4.95		
180.0	109.48	83.75	60.65	41.15	24.47	16.25	11.03	6.78	3.32		
202.5	148.75	124.82	102.19	84.63	68.45	54.58	41.91	29.58	17.87		
225.0	182.18	159.58	136.38	115.41	94.49	75.42	57.59	40.83	25.43		
247.5	190.53	165.55	142.78	120.32	99.11	80.54	61.67	45.32	29.91		
270.0	183.40	158.90	134.83	112.34	91.93	72.84	55.15	39.70	26.08		
292.5	184.97	160.98	137.87	115.46	95.10	76.05	58.50	42.30	28.07		
315.0	181.15	157.39	135.17	113.70	93.53	74.90	57.01	40.86	26.27		
337.5	153.87	128.64	106.27	86.57	69.47	55.01	41.56	29.08	18.43		
360.0	134.32	107.90	84.10	59.38	37.63	26.87	20.12	14.21	9.37		
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0		
0.0	4.46	1.94	1.46	1.18	0.97	0.97	0.97	0.97	0.83		
22.5	3.70	1.38	1.12	1.04	0.97	0.97	0.97	0.90	0.90		
45.0	1.52	1.30	1.04	0.90	0.83	0.83	0.83	0.83	0.83		
67.5	1.32	1.17	1.17	1.17	1.11	1.10	1.10	1.10	1.03		
90.0	1.38	1.31	1.31	1.24	1.24	1.24	1.31	1.24	1.25		
112.5	1.87	1.38	1.45	1.38	1.38	1.38	1.38	1.38	1.45		
135.0	2.00	1.61	1.59	1.59	1.59	1.59	1.59	1.59	1.59		
157.5	1.99	1.31	1.31	1.24	1.24	1.24	1.24	1.31	1.31		
180.0	1.38	0.76	0.76	0.76	0.76	0.76	0.76	0.83	0.83		
202.5	8.57	3.08	0.83	0.76	0.76	0.76	0.76	0.76	0.90		
225.0	12.69	4.53	1.04	0.97	0.90	0.90	0.90	0.77	0.76		
247.5	17.37	7.75	1.44	0.90	0.96	0.90	0.90	0.90	0.90		
270.0	15.30	6.20	2.18	1.87	1.79	1.59	1.45	1.45	1.32		
292.5	16.30	6.72	2.20	1.79	1.66	1.52	1.45	1.31	1.17		
315.0	14.08	5.23	2.19	1.87	1.52	1.45	1.18	1.11	0.97		
337.5	8.38	2.92	1.58	1.24	0.96	0.83	0.83	0.83	0.83		
360.0	4.46	1.94	1.46	1.18	0.97	0.97	0.97	0.97	0.83		

C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	0.83	0.90	0.84	0.83	0.83	0.83	0.83	0.83	0.83
22.5	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.97
45.0	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.90	0.90
67.5	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
90.0	1.38	1.38	1.38	1.45	1.45	1.59	1.59	1.66	1.79
112.5	1.45	1.45	1.45	1.45	1.59	1.52	1.65	1.72	1.72
135.0	1.59	1.59	1.66	1.67	1.80	1.80	1.80	1.94	1.94
157.5	1.31	1.45	1.52	1.52	1.52	1.65	1.72	1.66	1.72
180.0	0.91	0.97	0.97	1.04	1.11	1.25	1.32	1.32	1.39
202.5	0.83	0.90	0.97	1.11	1.18	1.18	1.25	1.38	1.32
225.0	0.83	0.83	0.83	0.90	0.97	1.04	1.04	1.18	1.32
247.5	0.90	0.90	0.90	0.97	0.90	1.03	0.97	1.10	1.17
270.0	1.18	0.97	0.97	0.90	0.90	0.90	0.90	0.90	0.90
292.5	0.97	0.97	0.97	0.90	0.90	0.90	0.90	0.90	0.90
315.0	1.04	0.97	0.97	0.97	0.90	0.90	0.90	0.90	0.90
337.5	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
360.0	0.83	0.90	0.84	0.83	0.83	0.83	0.83	0.83	0.83
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	0.83	0.90	0.90	0.97	1.17	1.25	1.46	1.73	1.74
22.5	0.97	0.97	0.97	1.04	1.18	1.38	1.52	1.59	1.73
45.0	0.97	0.97	0.97	1.11	1.13	1.52	1.59	1.59	1.73
67.5	1.10	1.10	1.17	1.24	1.24	1.38	1.72	1.86	1.86
90.0	1.79	1.79	1.86	1.87	1.94	2.13	2.08	2.21	2.21
112.5	1.72	1.86	1.86	1.86	2.00	2.00	2.07	2.20	2.21
135.0	2.07	2.01	2.15	2.15	2.22	2.35	2.36	2.50	2.56
157.5	1.79	1.93	1.93	1.93	2.00	2.13	2.27	2.34	2.34
180.0	1.53	1.66	1.67	1.87	1.94	1.88	2.02	2.22	2.29
202.5	1.38	1.59	1.66	1.66	1.74	1.87	1.87	2.08	2.08
225.0	1.32	1.38	1.45	1.52	1.59	1.66	1.73	1.87	1.87
247.5	1.24	1.38	1.45	1.45	1.58	1.59	1.65	1.66	1.79
270.0	0.90	0.90	0.90	0.90	0.90	0.90	1.03	1.10	1.17
292.5	0.90	0.90	0.90	0.90	0.90	0.90	1.03	1.03	1.17
315.0	0.90	0.90	0.90	0.90	0.97	0.97	0.97	1.18	1.25
337.5	0.83	0.83	0.90	0.90	1.03	1.17	1.18	1.46	1.73
360.0	0.83	0.90	0.90	0.97	1.17	1.25	1.46	1.73	1.74
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	1.87	1.81	1.94	2.01	2.08	2.22	2.35	2.43	2.70
22.5	1.80	1.87	1.87	1.87	2.01	2.08	2.15	2.28	2.49
45.0	1.66	1.74	1.87	1.87	2.01	1.95	2.08	2.16	2.42
67.5	1.86	1.79	1.79	1.93	2.00	2.13	2.14	2.14	2.21
90.0	2.28	2.48	2.48	2.55	2.55	2.69	2.70	2.83	2.83
112.5	2.34	2.34	2.48	2.55	2.62	2.62	2.76	2.83	2.96
135.0	2.63	2.63	2.71	2.84	2.84	2.98	2.98	2.98	3.11
157.5	2.41	2.48	2.61	2.69	2.76	2.83	2.83	2.90	3.03
180.0	2.36	2.50	2.50	2.71	2.71	2.91	2.98	3.05	3.19
202.5	2.22	2.35	2.35	2.49	2.56	2.63	2.77	2.84	2.98
225.0	1.94	2.08	2.14	2.28	2.29	2.42	2.56	2.63	2.76
247.5	1.86	1.93	2.00	2.14	2.28	2.34	2.34	2.48	2.62
270.0	1.17	1.37	1.51	1.65	1.66	1.79	1.86	1.86	2.00
292.5	1.31	1.45	1.59	1.72	1.72	1.79	1.80	1.93	2.01
315.0	1.39	1.73	1.80	1.80	1.80	1.81	2.00	2.08	2.15
337.5	1.86	1.86	1.80	2.00	2.00	2.07	2.14	2.27	2.55
360.0	1.87	1.81	1.94	2.01	2.08	2.22	2.35	2.43	2.70

Intensity data(cd)										Appendix Page: 26 Total:31	
C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0		
0.0	2.84	2.84	2.84	3.05	3.12	3.25	3.33	3.46	3.67		
22.5	2.63	2.63	2.77	2.84	2.91	2.91	3.05	3.19	3.19		
45.0	2.56	2.63	2.77	2.77	2.77	2.77	2.91	2.98	3.11		
67.5	2.41	2.68	2.82	2.83	2.76	2.76	2.89	2.89	3.03		
90.0	3.04	3.10	3.10	3.17	3.25	3.38	3.45	3.45	3.59		
112.5	2.90	3.03	3.17	3.24	3.31	3.44	3.52	3.58	3.59		
135.0	3.19	3.19	3.26	3.33	3.46	3.46	3.60	3.54	3.67		
157.5	3.03	3.10	3.24	3.31	3.38	3.51	3.52	3.65	3.72		
180.0	3.19	3.40	3.47	3.54	3.61	3.75	3.88	3.88	4.02		
202.5	3.12	3.19	3.19	3.39	3.39	3.46	3.61	3.74	3.88		
225.0	2.84	2.98	3.05	3.05	3.25	3.25	3.46	3.46	3.60		
247.5	2.63	2.76	2.89	2.90	2.97	3.04	3.17	3.17	3.31		
270.0	2.00	2.20	2.21	2.41	2.41	2.69	2.83	2.83	2.83		
292.5	2.14	2.21	2.35	2.49	2.69	2.76	2.83	2.76	2.90		
315.0	2.29	2.50	2.77	2.70	2.84	2.91	2.98	3.05	3.19		
337.5	2.83	2.83	2.83	2.90	2.97	3.03	3.17	3.31	3.45		
360.0	2.84	2.84	2.84	3.05	3.12	3.25	3.33	3.46	3.67		
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5		
0.0	3.74	3.95	3.95	4.09	4.16	4.23	4.30	4.30	4.43		
22.5	3.39	3.53	3.67	3.74	3.87	3.88	4.01	4.02	4.02		
45.0	3.12	3.25	3.26	3.33	3.39	3.53	3.53	3.53	3.67		
67.5	2.96	3.10	3.10	3.17	3.31	3.24	3.38	3.38	3.38		
90.0	3.66	3.66	3.72	3.73	3.79	3.87	4.00	4.00	4.01		
112.5	3.72	3.79	3.86	3.93	3.93	3.79	3.99	4.13	4.20		
135.0	3.74	3.74	3.88	3.95	3.95	3.95	4.09	4.02	4.09		
157.5	3.72	3.86	3.86	4.00	4.00	4.13	4.20	4.20	4.27		
180.0	4.09	4.16	4.23	4.37	4.51	4.58	4.65	4.78	4.92		
202.5	3.95	4.02	4.09	4.09	4.30	4.36	4.43	4.50	4.71		
225.0	3.67	3.74	3.81	3.88	3.95	4.01	4.08	4.15	4.29		
247.5	3.31	3.45	3.45	3.58	3.72	3.72	3.79	3.80	3.93		
270.0	2.89	3.03	3.10	3.10	3.23	3.17	3.31	3.38	3.38		
292.5	2.97	2.97	3.17	3.17	3.25	3.38	3.45	3.52	3.79		
315.0	3.26	3.26	3.40	3.53	3.67	3.81	4.02	4.02	4.02		
337.5	3.66	3.86	3.86	4.00	3.93	3.93	4.07	4.14	4.20		
360.0	3.74	3.95	3.95	4.09	4.16	4.23	4.30	4.30	4.43		
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0		
0.0	4.71	4.78	4.92	4.93	4.99	4.93	5.06	5.13	5.27		
22.5	4.02	4.08	4.09	4.22	4.22	4.23	4.36	4.63	4.78		
45.0	3.74	3.74	3.74	3.88	3.95	3.95	3.95	3.88	3.88		
67.5	3.44	3.51	3.65	3.78	3.79	3.86	3.79	3.93	3.93		
90.0	4.14	4.14	4.21	4.21	4.21	4.28	4.28	4.28	4.28		
112.5	4.21	4.21	4.34	4.34	4.28	4.28	4.28	4.28	4.28		
135.0	4.16	4.16	4.09	4.16	4.09	4.09	4.16	4.16	4.16		
157.5	4.27	4.41	4.48	4.55	4.62	4.69	4.76	4.76	4.82		
180.0	4.92	4.99	5.00	5.07	5.13	5.20	5.20	5.34	5.34		
202.5	4.78	4.91	4.92	4.99	4.99	5.06	5.06	5.06	5.19		
225.0	4.36	4.36	4.49	4.57	4.64	4.77	4.64	4.77	4.84		
247.5	4.00	4.07	4.07	4.20	4.20	4.20	4.20	4.21	4.28		
270.0	3.51	3.58	3.72	3.86	3.86	3.80	3.79	3.99	4.00		
292.5	3.79	3.79	3.79	3.86	3.86	3.93	3.93	4.01	4.21		
315.0	4.02	4.09	4.16	4.16	4.30	4.30	4.36	4.64	4.78		
337.5	4.20	4.41	4.49	4.69	4.82	4.82	4.89	4.96	5.03		
360.0	4.71	4.78	4.92	4.93	4.99	4.93	5.06	5.13	5.27		

Intensity data(cd)										Appendix Page: 27 Total:31	
C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5		
0.0	5.27	5.34	5.41	5.41	5.55	5.68	5.75	5.82	5.89		
22.5	4.92	4.92	4.98	4.99	5.06	5.06	5.12	5.12	5.19		
45.0	4.09	4.08	4.02	4.15	4.16	4.22	4.23	4.29	4.36		
67.5	3.93	4.06	4.07	4.00	4.13	4.14	4.07	4.13	4.14		
90.0	4.28	4.35	4.42	4.55	4.55	4.62	4.62	4.63	4.76		
112.5	4.28	4.28	4.34	4.34	4.34	4.34	4.54	4.48	4.62		
135.0	4.23	4.23	4.37	4.30	4.43	4.50	4.57	4.71	4.71		
157.5	4.96	4.89	5.03	4.96	4.96	5.10	5.10	5.17	5.24		
180.0	5.34	5.42	5.62	5.62	5.62	5.76	5.76	5.83	5.96		
202.5	5.19	5.33	5.40	5.40	5.68	5.68	5.75	5.68	5.75		
225.0	4.98	4.92	4.92	5.05	4.99	5.12	5.26	5.26	5.26		
247.5	4.34	4.34	4.41	4.48	4.62	4.69	4.82	4.83	4.89		
270.0	3.93	4.06	4.13	4.14	4.21	4.21	4.27	4.34	4.34		
292.5	4.14	4.28	4.28	4.34	4.49	4.76	4.69	4.76	4.83		
315.0	4.99	4.92	4.99	5.06	5.06	5.06	5.12	5.20	5.20		
337.5	5.10	5.10	5.17	5.31	5.24	5.44	5.51	5.45	5.58		
360.0	5.27	5.34	5.41	5.41	5.55	5.68	5.75	5.82	5.89		
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0		
0.0	5.96	5.96	6.03	6.10	6.10	6.10	6.24	6.24	6.31		
22.5	5.19	5.33	5.40	5.40	5.47	5.54	5.54	5.68	5.68		
45.0	4.43	4.44	4.57	4.64	4.71	4.71	4.78	4.78	4.71		
67.5	4.20	4.20	4.20	4.34	4.27	4.41	4.35	4.41	4.55		
90.0	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.90	4.97		
112.5	4.62	4.62	4.76	4.76	4.83	4.89	4.83	4.89	4.90		
135.0	4.71	4.91	4.85	4.92	4.85	4.92	4.99	5.06	4.99		
157.5	5.31	5.58	5.65	5.65	5.72	5.72	5.72	5.86	5.86		
180.0	5.97	6.10	6.17	6.24	6.31	6.39	6.52	6.45	6.52		
202.5	5.88	5.89	5.96	6.10	6.16	6.16	6.23	6.30	6.30		
225.0	5.39	5.60	5.61	5.75	5.75	5.81	5.82	5.88	5.82		
247.5	4.96	4.96	5.03	5.03	5.17	4.97	5.10	5.10	5.17		
270.0	4.41	4.54	4.62	4.69	4.62	4.62	4.69	4.76	4.69		
292.5	4.90	4.90	4.90	4.90	4.96	4.97	5.03	5.03	5.04		
315.0	5.27	5.40	5.34	5.41	5.47	5.47	5.61	5.61	5.61		
337.5	5.65	5.72	5.79	5.79	5.86	5.93	5.93	6.00	6.06		
360.0	5.96	5.96	6.03	6.10	6.10	6.10	6.24	6.24	6.31		
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5		
0.0	6.38	6.45	6.45	6.58	6.65	6.66	6.66	6.80	6.87		
22.5	5.75	5.75	5.82	5.89	5.96	6.03	6.09	6.09	6.16		
45.0	4.84	4.85	4.85	4.91	4.85	4.98	4.85	4.92	4.92		
67.5	4.62	4.62	4.62	4.55	4.68	4.69	4.69	4.82	4.76		
90.0	4.96	4.90	4.83	4.90	4.97	5.03	4.90	4.96	4.90		
112.5	4.90	4.90	4.90	4.96	4.90	4.97	4.97	4.97	4.97		
135.0	4.99	4.99	4.92	4.99	4.92	4.99	4.99	4.99	5.06		
157.5	5.86	5.86	5.93	5.99	6.06	6.07	6.13	6.13	6.20		
180.0	6.66	6.66	6.60	6.79	6.87	6.80	6.86	6.80	6.94		
202.5	6.37	6.37	6.44	6.51	6.51	6.44	6.58	6.58	6.65		
225.0	5.82	5.88	5.95	5.89	6.02	5.95	6.02	6.02	6.09		
247.5	5.17	5.17	5.24	5.24	5.30	5.24	5.31	5.37	5.24		
270.0	4.76	4.76	4.76	4.76	4.82	4.70	4.82	4.96	4.83		
292.5	5.10	5.10	5.10	5.17	5.11	5.17	5.24	5.17	5.31		
315.0	5.61	5.75	5.75	5.89	5.82	5.89	5.82	5.89	5.96		
337.5	6.13	6.13	6.20	6.27	6.34	6.34	6.48	6.48	6.55		
360.0	6.38	6.45	6.45	6.58	6.65	6.66	6.66	6.80	6.87		

Intensity data(cd)									Appendix Page: 28 Total:31
C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	6.87	7.00	7.00	7.07	7.14	7.21	7.21	7.35	7.35
22.5	6.30	6.37	6.44	6.51	6.58	6.72	6.86	6.99	6.99
45.0	4.92	4.99	4.99	5.05	4.99	5.05	5.06	5.12	5.12
67.5	4.82	4.82	4.82	4.89	4.83	4.89	4.96	4.96	5.03
90.0	4.90	4.97	4.97	5.03	4.97	4.97	4.97	4.97	4.97
112.5	4.97	4.83	4.96	4.97	5.03	4.97	5.10	5.10	5.17
135.0	4.99	5.06	4.99	5.06	5.06	5.06	4.99	5.06	5.06
157.5	6.27	6.27	6.34	6.41	6.48	6.55	6.75	6.76	6.89
180.0	7.00	7.01	7.07	7.08	7.15	7.29	7.35	7.35	7.42
202.5	6.72	6.79	6.85	6.92	6.93	6.99	7.06	7.20	7.14
225.0	6.09	6.09	6.16	6.16	6.30	6.30	6.37	6.44	6.51
247.5	5.38	5.45	5.51	5.58	5.65	5.72	5.72	5.72	5.72
270.0	4.89	4.90	4.96	4.97	4.97	4.97	5.03	5.03	5.03
292.5	5.38	5.38	5.38	5.52	5.52	5.59	5.66	5.79	5.72
315.0	6.03	5.96	6.03	6.10	6.24	6.24	6.31	6.37	6.44
337.5	6.62	6.68	6.76	6.89	6.89	6.96	7.03	7.10	7.17
360.0	6.87	7.00	7.00	7.07	7.14	7.21	7.21	7.35	7.35
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	7.42	7.49	7.69	7.63	7.83	7.98	7.98	8.17	8.18
22.5	7.06	7.20	7.27	7.34	7.48	7.48	7.62	7.69	7.76
45.0	5.12	5.26	5.26	5.33	5.40	5.47	5.54	5.68	5.75
67.5	5.10	5.03	5.17	5.17	5.17	5.17	5.24	5.17	5.30
90.0	5.04	5.10	5.04	5.17	5.10	5.18	5.24	5.25	5.39
112.5	5.17	5.17	5.10	5.31	5.31	5.24	5.44	5.38	5.45
135.0	5.19	5.26	5.13	5.26	5.20	5.40	5.40	5.61	5.61
157.5	6.89	6.96	7.10	7.17	7.17	7.37	7.44	7.44	7.58
180.0	7.43	7.63	7.70	7.77	7.84	7.91	8.11	8.11	8.11
202.5	7.27	7.34	7.48	7.48	7.55	7.68	7.76	7.89	7.90
225.0	6.51	6.64	6.71	6.85	6.92	6.99	6.99	7.06	7.20
247.5	5.79	5.79	5.86	5.93	6.00	6.00	6.07	6.13	6.13
270.0	5.03	5.17	5.17	5.17	5.17	5.31	5.31	5.38	5.38
292.5	5.86	5.93	5.86	5.93	5.94	6.07	6.14	6.14	6.14
315.0	6.51	6.58	6.65	6.72	6.86	6.93	7.00	7.07	7.07
337.5	7.31	7.37	7.37	7.51	7.58	7.65	7.79	7.93	7.99
360.0	7.42	7.49	7.69	7.63	7.83	7.98	7.98	8.17	8.18
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	8.25	8.18	8.32	8.46	8.53	8.53	8.60	8.74	8.74
22.5	8.03	8.10	8.10	8.17	8.17	8.31	8.38	8.45	8.45
45.0	5.89	5.89	5.95	6.03	6.17	6.30	6.37	6.44	6.58
67.5	5.31	5.38	5.31	5.37	5.44	5.44	5.51	5.51	5.58
90.0	5.59	5.59	5.65	5.66	5.72	5.72	5.73	5.79	5.86
112.5	5.52	5.58	5.65	5.65	5.65	5.65	5.79	5.79	5.79
135.0	5.68	5.68	5.75	5.82	5.82	5.89	5.96	5.96	6.03
157.5	7.65	7.78	7.79	7.99	7.99	8.00	8.13	8.20	8.27
180.0	8.19	8.32	8.32	8.39	8.53	8.60	8.67	8.67	8.74
202.5	8.04	8.10	8.24	8.24	8.38	8.38	8.38	8.52	8.52
225.0	7.27	7.34	7.47	7.54	7.68	7.69	7.89	7.96	7.96
247.5	6.20	6.27	6.34	6.41	6.41	6.48	6.62	6.69	6.82
270.0	5.38	5.45	5.58	5.59	5.65	5.72	5.79	5.86	5.86
292.5	6.27	6.34	6.28	6.41	6.42	6.48	6.55	6.62	6.62
315.0	7.21	7.27	7.28	7.41	7.41	7.62	7.62	7.69	7.83
337.5	8.00	8.06	8.07	8.13	8.27	8.34	8.41	8.48	8.55
360.0	8.25	8.18	8.32	8.46	8.53	8.53	8.60	8.74	8.74

Intensity data(cd)									Appendix Page: 29 Total:31		
C/γ(°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5		
0.0	8.87	8.94	9.08	9.15	9.16	9.23	9.36	9.50	9.57		
22.5	8.59	8.66	8.72	8.79	8.86	8.93	9.14	9.21	9.35		
45.0	6.72	6.93	6.99	7.06	7.20	7.27	7.55	7.69	7.82		
67.5	5.58	5.58	5.65	5.79	5.72	5.79	5.99	6.07	6.20		
90.0	5.86	5.86	5.93	6.00	6.00	6.14	6.14	6.21	6.28		
112.5	5.86	5.86	5.86	5.93	6.00	5.93	6.00	6.07	6.13		
135.0	6.10	6.10	6.17	6.24	6.31	6.31	6.37	6.37	6.51		
157.5	8.27	8.27	8.27	8.34	8.34	8.47	8.41	8.48	8.54		
180.0	8.74	8.81	8.88	8.95	9.08	9.09	9.15	9.16	9.30		
202.5	8.66	8.80	8.80	8.86	8.86	9.00	9.07	9.21	9.28		
225.0	8.03	8.10	8.17	8.24	8.31	8.38	8.51	8.65	8.72		
247.5	6.83	6.89	6.96	7.10	7.10	7.17	7.31	7.37	7.45		
270.0	5.93	6.00	6.07	6.07	6.14	6.21	6.27	6.34	6.41		
292.5	6.62	6.69	6.82	6.90	6.90	6.90	7.04	7.17	7.17		
315.0	7.83	8.03	8.18	8.18	8.18	8.25	8.38	8.52	8.59		
337.5	8.61	8.68	8.82	8.82	8.89	9.03	9.16	9.30	9.30		
360.0	8.87	8.94	9.08	9.15	9.16	9.23	9.36	9.50	9.57		
C/γ(°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0		
0.0	9.64	9.77	9.91	10.05	10.26	10.47	10.61	10.81	11.16		
22.5	9.42	9.56	9.56	9.77	10.05	10.31	10.46	10.60	10.88		
45.0	8.04	8.24	8.32	8.59	8.88	9.21	9.28	9.49	9.69		
67.5	6.34	6.54	6.61	6.95	7.10	7.37	7.44	7.71	8.13		
90.0	6.35	6.41	6.41	6.49	6.62	6.62	6.69	6.83	6.90		
112.5	6.07	6.14	6.21	6.34	6.41	6.48	6.55	6.69	6.83		
135.0	6.58	6.65	6.72	6.86	6.93	7.00	7.06	7.20	7.21		
157.5	8.61	8.68	8.68	8.75	8.76	8.96	9.03	9.03	9.17		
180.0	9.36	9.36	9.36	9.50	9.57	9.64	9.78	9.92	9.99		
202.5	9.28	9.28	9.42	9.49	9.56	9.70	9.76	9.83	9.97		
225.0	8.79	9.00	9.07	9.14	9.21	9.34	9.41	9.55	9.69		
247.5	7.65	7.73	7.86	7.93	8.13	8.20	8.27	8.41	8.55		
270.0	6.48	6.62	6.90	7.03	7.10	7.30	7.38	7.57	7.85		
292.5	7.24	7.38	7.52	7.66	7.93	8.00	8.28	8.36	8.62		
315.0	8.73	8.87	9.01	9.28	9.42	9.63	9.71	9.91	10.18		
337.5	9.37	9.45	9.58	9.72	9.99	10.27	10.40	10.47	10.75		
360.0	9.64	9.77	9.91	10.05	10.26	10.47	10.61	10.81	11.16		
C/γ(°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5		
0.0	11.37	11.44	11.72	11.79	11.99	12.07	12.28	12.47	12.55		
22.5	11.08	11.28	11.56	11.63	11.71	11.91	12.12	12.26	12.33		
45.0	9.90	10.11	10.32	10.46	10.66	10.66	10.80	11.01	11.15		
67.5	8.27	8.54	8.82	9.03	9.16	9.37	9.44	9.65	9.85		
90.0	6.97	7.04	7.17	7.17	7.31	7.38	7.52	7.52	7.52		
112.5	6.83	7.03	6.97	7.03	7.10	7.24	7.38	7.51	7.45		
135.0	7.41	7.48	7.55	7.69	7.76	7.90	7.97	8.03	8.11		
157.5	9.24	9.30	9.30	9.37	9.44	9.44	9.58	9.65	9.58		
180.0	9.99	10.13	10.26	10.27	10.40	10.47	10.54	10.61	10.61		
202.5	10.05	10.24	10.32	10.32	10.39	10.53	10.67	10.73	10.67		
225.0	9.76	9.89	9.97	10.04	10.11	10.25	10.44	10.39	10.45		
247.5	8.68	8.89	8.96	9.17	9.18	9.37	9.44	9.58	9.58		
270.0	7.99	8.20	8.34	8.41	8.54	8.62	8.82	8.89	9.17		
292.5	8.83	8.97	9.17	9.24	9.39	9.58	9.72	9.93	10.14		
315.0	10.33	10.47	10.74	10.81	10.94	11.02	11.29	11.37	11.50		
337.5	10.96	11.10	11.38	11.57	11.58	11.65	11.86	12.00	12.13		
360.0	11.37	11.44	11.72	11.79	11.99	12.07	12.28	12.47	12.55		

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	12.69	12.76	12.90	12.97	12.97	12.97	13.04	13.11	13.11
22.5	12.54	12.67	12.67	12.67	12.74	12.74	12.75	12.88	12.95
45.0	11.36	11.42	11.42	11.42	11.50	11.63	11.70	11.70	11.77
67.5	9.99	10.06	10.13	10.20	10.27	10.27	10.34	10.41	10.54
90.0	7.59	7.66	7.72	7.86	7.94	8.14	8.14	8.21	8.28
112.5	7.52	7.72	7.73	7.93	8.00	8.00	8.07	8.28	8.34
135.0	8.04	8.11	8.18	8.31	8.31	8.38	8.38	8.45	8.59
157.5	9.58	9.65	9.72	9.79	9.85	9.86	9.86	9.92	9.92
180.0	10.68	10.75	10.82	10.96	10.96	11.03	11.03	11.10	11.10
202.5	10.80	10.87	10.94	11.08	11.22	11.22	11.22	11.29	11.36
225.0	10.52	10.53	10.72	10.80	10.93	11.01	11.15	11.22	11.35
247.5	9.65	9.72	9.86	9.93	10.06	10.20	10.34	10.41	10.48
270.0	9.24	9.31	9.51	9.58	9.65	9.72	9.85	9.99	10.14
292.5	10.28	10.41	10.48	10.62	10.69	10.76	10.89	11.03	11.10
315.0	11.70	11.85	11.92	11.99	12.06	12.12	12.19	12.27	12.47
337.5	12.20	12.34	12.54	12.61	12.68	12.68	12.75	12.89	12.96
360.0	12.69	12.76	12.90	12.97	12.97	12.97	13.04	13.11	13.11
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	13.11	13.11	13.11	13.04	12.97	12.97	12.90	12.90	12.83
22.5	12.95	12.88	12.88	12.75	12.74	12.74	12.67	12.54	12.53
45.0	11.77	11.77	11.77	11.70	11.70	11.70	11.70	11.63	11.63
67.5	10.48	10.54	10.41	10.48	10.48	10.54	10.54	10.54	10.68
90.0	8.41	8.49	8.62	8.62	8.62	8.76	8.83	8.96	8.97
112.5	8.34	8.48	8.55	8.62	8.69	8.82	8.96	9.03	9.10
135.0	8.66	8.66	8.73	8.80	8.87	8.87	9.01	9.08	9.15
157.5	9.92	9.99	9.99	9.92	9.92	9.92	9.92	9.92	9.92
180.0	11.10	11.10	11.10	11.10	11.10	11.10	11.10	11.03	11.03
202.5	11.49	11.50	11.56	11.50	11.50	11.56	11.50	11.50	11.43
225.0	11.49	11.49	11.56	11.56	11.56	11.63	11.70	11.70	11.70
247.5	10.48	10.62	10.68	10.75	10.75	10.82	10.89	10.96	11.03
270.0	10.21	10.27	10.21	10.21	10.27	10.27	10.34	10.34	10.41
292.5	11.11	11.18	11.31	11.38	11.38	11.45	11.45	11.59	11.72
315.0	12.47	12.47	12.47	12.47	12.47	12.47	12.47	12.47	12.47
337.5	13.02	13.03	12.96	12.89	12.96	12.89	12.82	12.82	12.89
360.0	13.11	13.11	13.11	13.04	12.97	12.97	12.90	12.90	12.83
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	12.83	12.83	12.76	12.69	12.62	12.49	12.35	12.21	12.07
22.5	12.53	12.60	12.54	12.53	12.26	12.19	11.98	11.98	11.85
45.0	11.70	11.70	11.77	11.70	11.70	11.63	11.56	11.42	11.35
67.5	10.75	10.75	10.75	10.75	10.82	10.75	10.75	10.68	10.68
90.0	9.10	9.18	9.38	9.66	9.86	9.86	10.00	10.07	10.00
112.5	9.24	9.31	9.51	9.79	9.86	10.00	10.13	10.14	10.21
135.0	9.22	9.35	9.42	9.70	9.84	9.91	9.97	10.04	10.18
157.5	9.99	10.07	10.20	10.40	10.47	10.54	10.54	10.54	10.68
180.0	11.03	11.10	11.17	11.37	11.30	11.37	11.30	11.30	11.30
202.5	11.43	11.43	11.49	11.63	11.63	11.63	11.70	11.70	11.64
225.0	11.70	11.70	11.77	12.05	11.98	12.04	12.05	11.91	11.91
247.5	11.10	11.16	11.31	11.58	11.65	11.72	11.72	11.72	11.71
270.0	10.55	10.55	10.55	10.55	10.55	10.55	10.55	10.55	10.48
292.5	11.66	11.79	11.79	11.79	11.72	11.65	11.51	11.45	11.45
315.0	12.61	12.61	12.61	12.61	12.54	12.54	12.47	12.34	12.13
337.5	12.95	12.82	12.89	12.82	12.75	12.61	12.53	12.27	12.13
360.0	12.83	12.83	12.76	12.69	12.62	12.49	12.35	12.21	12.07

Intensity data(cd)									Appendix Page: 31 Total:31	
C/ $\gamma(^{\circ})$	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5	
0.0	12.07	11.93	11.86	11.79	11.72	11.59	11.38	11.16	10.97	
22.5	11.77	11.70	11.56	11.43	11.43	11.49	11.36	11.15	11.01	
45.0	11.28	11.28	11.22	11.22	11.14	11.08	11.08	11.01	10.94	
67.5	10.68	10.68	10.68	10.68	10.68	10.68	10.68	10.61	10.54	
90.0	10.07	10.07	10.00	10.07	10.14	10.07	10.00	10.00	9.93	
112.5	10.21	10.20	10.14	10.21	10.21	10.21	10.14	10.07	10.07	
135.0	10.11	10.05	10.05	10.05	10.18	10.05	10.11	10.05	10.11	
157.5	10.68	10.61	10.61	10.68	10.62	10.61	10.61	10.61	10.61	
180.0	11.17	11.16	11.03	11.03	11.02	10.96	10.96	10.89	10.75	
202.5	11.56	11.43	11.36	11.35	11.22	11.15	11.01	10.94	10.94	
225.0	11.84	11.84	11.71	11.77	11.64	11.63	11.49	11.36	11.15	
247.5	11.65	11.65	11.65	11.58	11.51	11.44	11.29	11.09	10.89	
270.0	10.41	10.41	10.41	10.48	10.48	10.48	10.35	10.21	10.21	
292.5	11.38	11.31	11.24	11.10	10.96	10.83	10.61	10.34	10.28	
315.0	12.06	12.05	11.99	11.92	11.84	11.64	11.43	11.08	10.88	
337.5	12.19	11.99	11.99	11.92	11.72	11.44	11.29	10.90	10.75	
360.0	12.07	11.93	11.86	11.79	11.72	11.59	11.38	11.16	10.97	
C/ $\gamma(^{\circ})$	180.0									
0.0	10.77									
22.5	10.77									
45.0	10.77									
67.5	10.77									
90.0	10.77									
112.5	10.77									
135.0	10.77									
157.5	10.77									
180.0	10.77									
202.5	10.77									
225.0	10.77									
247.5	10.77									
270.0	10.77									
292.5	10.77									
315.0	10.77									
337.5	10.77									
360.0	10.77									