

Report No	:		Voltage	:	V
Test No	:	A2205998A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	14.000 W
Luminaire	:	0017440092 LUMIK01&	PF	:	
		0017440095 LUMIK04 14W 3000K 1050lm	Ballast type	:	
LampCAT	:		Width	:	-55 mm
Lamp flux	:	1050.0 lm	Length	:	-55 mm
Number of Lamps	:	1	Height	:	0 mm
Phm Type	:	C			

Photometric Results

Lumens(lm)	:	1050.00	Central intensity(cd)	:	2223.564
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2223.564
Luminous Efficacy(lm/W)	:	75.00	Angle of maximum intensity	:	C=0.0 γ=0.0
Beam Angle(50%Imax)	:	[C0/180]Total=35.0 [C90/270]Total=35.2			
Field angle(10%Imax)	:	[C0/180]Total=69.2 [C90/270]Total=69.4			
Maximum s/h(1/2)	:	C0_180=0.56 C90_270=0.57			
Maximum s/h(1/4)	:	C0_180=0.65 C90_270=0.65			
Up flux rate of lamp(%)	:	0.26%			
Down flux rate of lamp(%)	:	99.74%			
Up flux rate of LUM(%)	:	0.26%			
Down flux rate of LUM(%)	:	99.74%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	99.526%			

Zonal flux distribution table

Appendix Page: 2 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2223.564	0.000	0	0.00%	0.00%
0.5	2221.161	0.532	0.532	0.05%	0.05%
1.0	2217.593	1.593	2.125	0.15%	0.20%
1.5	2212.265	2.649	4.774	0.25%	0.45%
2.0	2204.406	3.698	8.472	0.35%	0.81%
2.5	2193.672	4.734	13.205	0.45%	1.26%
3.0	2180.328	5.753	18.959	0.55%	1.81%
3.5	2164.790	6.753	25.712	0.64%	2.45%
4.0	2146.750	7.731	33.443	0.74%	3.19%
4.5	2126.260	8.682	42.125	0.83%	4.01%
5.0	2103.110	9.602	51.726	0.91%	4.93%
5.5	2077.340	10.487	62.213	1.00%	5.93%
6.0	2048.791	11.333	73.546	1.08%	7.00%
6.5	2017.826	12.137	85.684	1.16%	8.16%
7.0	1984.522	12.897	98.581	1.23%	9.39%
7.5	1949.029	13.609	112.19	1.30%	10.68%
8.0	1911.544	14.273	126.463	1.36%	12.04%
8.5	1872.323	14.885	141.348	1.42%	13.46%
9.0	1831.398	15.447	156.795	1.47%	14.93%
9.5	1788.907	15.954	172.749	1.52%	16.45%
10.0	1745.202	16.408	189.157	1.56%	18.01%
10.5	1700.611	16.810	205.967	1.60%	19.62%
11.0	1655.286	17.161	223.128	1.63%	21.25%
11.5	1609.579	17.462	240.59	1.66%	22.91%
12.0	1563.965	17.718	258.308	1.69%	24.60%
12.5	1518.674	17.932	276.239	1.71%	26.31%
13.0	1474.224	18.109	294.348	1.72%	28.03%
13.5	1430.557	18.253	312.6	1.74%	29.77%
14.0	1387.758	18.365	330.965	1.75%	31.52%
14.5	1345.667	18.446	349.412	1.76%	33.28%
15.0	1304.441	18.498	367.909	1.76%	35.04%
15.5	1264.403	18.524	386.434	1.76%	36.80%
16.0	1225.480	18.529	404.963	1.76%	38.57%
16.5	1187.745	18.513	423.476	1.76%	40.33%
17.0	1151.066	18.479	441.955	1.76%	42.09%
17.5	1115.546	18.427	460.382	1.75%	43.85%
18.0	1081.316	18.361	478.744	1.75%	45.59%
18.5	1049.007	18.290	497.033	1.74%	47.34%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 3 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1018.511	18.220	515.253	1.74%	49.07%
19.5	990.420	18.158	533.411	1.73%	50.80%
20.0	964.441	18.110	551.521	1.72%	52.53%
20.5	940.183	18.073	569.594	1.72%	54.25%
21.0	916.817	18.037	587.631	1.72%	55.96%
21.5	894.137	17.994	605.626	1.71%	57.68%
22.0	871.792	17.940	623.566	1.71%	59.39%
22.5	849.740	17.871	641.437	1.70%	61.09%
23.0	827.157	17.778	659.215	1.69%	62.78%
23.5	803.255	17.644	676.86	1.68%	64.46%
24.0	777.875	17.458	694.318	1.66%	66.13%
24.5	751.459	17.220	711.538	1.64%	67.77%
25.0	724.565	16.941	728.479	1.61%	69.38%
25.5	697.343	16.629	745.108	1.58%	70.96%
26.0	669.753	16.283	761.391	1.55%	72.51%
26.5	641.559	15.900	777.291	1.51%	74.03%
27.0	612.936	15.480	792.771	1.47%	75.50%
27.5	584.316	15.029	807.8	1.43%	76.93%
28.0	556.050	14.557	822.357	1.39%	78.32%
28.5	528.021	14.067	836.424	1.34%	79.66%
29.0	500.311	13.560	849.984	1.29%	80.95%
29.5	472.917	13.037	863.022	1.24%	82.19%
30.0	445.941	12.500	875.522	1.19%	83.38%
30.5	419.266	11.950	887.471	1.14%	84.52%
31.0	392.866	11.384	898.855	1.08%	85.61%
31.5	366.731	10.803	909.659	1.03%	86.63%
32.0	341.523	10.218	919.876	0.97%	87.61%
32.5	317.309	9.638	929.514	0.92%	88.53%
33.0	293.776	9.063	938.577	0.86%	89.39%
33.5	270.887	8.488	947.065	0.81%	90.20%
34.0	248.835	7.916	954.981	0.75%	90.95%
34.5	228.203	7.361	962.342	0.70%	91.65%
35.0	209.375	6.838	969.18	0.65%	92.30%
35.5	192.294	6.355	975.535	0.61%	92.91%
36.0	177.130	5.917	981.452	0.56%	93.47%
36.5	163.818	5.527	986.979	0.53%	94.00%
37.0	152.510	5.189	992.168	0.49%	94.49%
37.5	143.092	4.905	997.074	0.47%	94.96%

Equipment: GMS-1800
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Zonal flux distribution table

Appendix Page: 4 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	134.661	4.662	1001.736	0.44%	95.40%
38.5	126.351	4.430	1006.166	0.42%	95.83%
39.0	117.887	4.191	1010.357	0.40%	96.22%
39.5	109.003	3.936	1014.292	0.37%	96.60%
40.0	99.432	3.654	1017.946	0.35%	96.95%
40.5	89.248	3.342	1021.289	0.32%	97.27%
41.0	78.717	3.006	1024.294	0.29%	97.55%
41.5	67.603	2.645	1026.939	0.25%	97.80%
42.0	55.663	2.250	1029.19	0.21%	98.02%
42.5	43.115	1.821	1031.01	0.17%	98.19%
43.0	33.089	1.418	1032.429	0.14%	98.33%
43.5	26.423	1.118	1033.546	0.11%	98.43%
44.0	22.142	0.921	1034.467	0.09%	98.52%
44.5	18.927	0.786	1035.253	0.07%	98.60%
45.0	16.350	0.681	1035.934	0.06%	98.66%
45.5	14.744	0.605	1036.539	0.06%	98.72%
46.0	13.602	0.557	1037.096	0.05%	98.77%
46.5	12.592	0.519	1037.615	0.05%	98.82%
47.0	11.523	0.482	1038.096	0.05%	98.87%
47.5	10.436	0.442	1038.538	0.04%	98.91%
48.0	9.702	0.409	1038.947	0.04%	98.95%
48.5	9.171	0.386	1039.333	0.04%	98.98%
49.0	8.687	0.368	1039.701	0.04%	99.02%
49.5	8.242	0.352	1040.052	0.03%	99.05%
50.0	7.840	0.337	1040.389	0.03%	99.08%
50.5	7.480	0.323	1040.712	0.03%	99.12%
51.0	7.151	0.311	1041.023	0.03%	99.15%
51.5	6.844	0.299	1041.322	0.03%	99.17%
52.0	6.536	0.288	1041.61	0.03%	99.20%
52.5	6.231	0.277	1041.887	0.03%	99.23%
53.0	5.940	0.266	1042.152	0.03%	99.25%
53.5	5.666	0.255	1042.407	0.02%	99.28%
54.0	5.428	0.245	1042.652	0.02%	99.30%
54.5	5.235	0.237	1042.89	0.02%	99.32%
55.0	5.060	0.230	1043.12	0.02%	99.34%
55.5	4.883	0.224	1043.344	0.02%	99.37%
56.0	4.682	0.217	1043.561	0.02%	99.39%
56.5	4.463	0.208	1043.769	0.02%	99.41%

Equipment: GMS-1800
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Zonal flux distribution table

Appendix Page: 5 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	4.252	0.200	1043.969	0.02%	99.43%
57.5	4.065	0.192	1044.161	0.02%	99.44%
58.0	3.910	0.185	1044.346	0.02%	99.46%
58.5	3.766	0.179	1044.525	0.02%	99.48%
59.0	3.606	0.173	1044.697	0.02%	99.50%
59.5	3.431	0.166	1044.863	0.02%	99.51%
60.0	3.235	0.158	1045.021	0.02%	99.53%
60.5	3.018	0.149	1045.17	0.01%	99.54%
61.0	2.810	0.139	1045.309	0.01%	99.55%
61.5	2.638	0.131	1045.44	0.01%	99.57%
62.0	2.496	0.124	1045.564	0.01%	99.58%
62.5	2.372	0.118	1045.682	0.01%	99.59%
63.0	2.239	0.112	1045.795	0.01%	99.60%
63.5	2.082	0.106	1045.901	0.01%	99.61%
64.0	1.924	0.098	1045.999	0.01%	99.62%
64.5	1.804	0.092	1046.091	0.01%	99.63%
65.0	1.714	0.087	1046.178	0.01%	99.64%
65.5	1.629	0.083	1046.262	0.01%	99.64%
66.0	1.545	0.079	1046.341	0.01%	99.65%
66.5	1.461	0.075	1046.416	0.01%	99.66%
67.0	1.367	0.071	1046.488	0.01%	99.67%
67.5	1.279	0.067	1046.555	0.01%	99.67%
68.0	1.213	0.063	1046.618	0.01%	99.68%
68.5	1.154	0.060	1046.678	0.01%	99.68%
69.0	1.086	0.057	1046.735	0.01%	99.69%
69.5	1.001	0.054	1046.789	0.01%	99.69%
70.0	0.907	0.049	1046.838	0.00%	99.70%
70.5	0.819	0.045	1046.882	0.00%	99.70%
71.0	0.751	0.041	1046.923	0.00%	99.71%
71.5	0.700	0.038	1046.961	0.00%	99.71%
72.0	0.652	0.035	1046.996	0.00%	99.71%
72.5	0.601	0.033	1047.029	0.00%	99.72%
73.0	0.544	0.030	1047.059	0.00%	99.72%
73.5	0.486	0.027	1047.086	0.00%	99.72%
74.0	0.436	0.024	1047.11	0.00%	99.72%
74.5	0.395	0.022	1047.132	0.00%	99.73%
75.0	0.359	0.020	1047.152	0.00%	99.73%
75.5	0.325	0.018	1047.17	0.00%	99.73%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
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Zonal flux distribution table

Appendix Page: 6 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.289	0.016	1047.186	0.00%	99.73%
76.5	0.251	0.014	1047.201	0.00%	99.73%
77.0	0.216	0.012	1047.213	0.00%	99.73%
77.5	0.185	0.011	1047.224	0.00%	99.74%
78.0	0.154	0.009	1047.233	0.00%	99.74%
78.5	0.115	0.007	1047.24	0.00%	99.74%
79.0	0.068	0.005	1047.245	0.00%	99.74%
79.5	0.038	0.003	1047.248	0.00%	99.74%
80.0	0.025	0.002	1047.249	0.00%	99.74%
80.5	0.017	0.001	1047.251	0.00%	99.74%
81.0	0.011	0.001	1047.251	0.00%	99.74%
81.5	0.008	0.001	1047.252	0.00%	99.74%
82.0	0.007	0.000	1047.252	0.00%	99.74%
82.5	0.007	0.000	1047.253	0.00%	99.74%
83.0	0.007	0.000	1047.253	0.00%	99.74%
83.5	0.007	0.000	1047.253	0.00%	99.74%
84.0	0.006	0.000	1047.254	0.00%	99.74%
84.5	0.006	0.000	1047.254	0.00%	99.74%
85.0	0.006	0.000	1047.254	0.00%	99.74%
85.5	0.006	0.000	1047.255	0.00%	99.74%
86.0	0.006	0.000	1047.255	0.00%	99.74%
86.5	0.006	0.000	1047.255	0.00%	99.74%
87.0	0.006	0.000	1047.256	0.00%	99.74%
87.5	0.005	0.000	1047.256	0.00%	99.74%
88.0	0.005	0.000	1047.256	0.00%	99.74%
88.5	0.005	0.000	1047.257	0.00%	99.74%
89.0	0.005	0.000	1047.257	0.00%	99.74%
89.5	0.005	0.000	1047.257	0.00%	99.74%
90.0	0.005	0.000	1047.257	0.00%	99.74%
90.5	0.005	0.000	1047.258	0.00%	99.74%
91.0	0.005	0.000	1047.258	0.00%	99.74%
91.5	0.005	0.000	1047.258	0.00%	99.74%
92.0	0.005	0.000	1047.258	0.00%	99.74%
92.5	0.005	0.000	1047.259	0.00%	99.74%
93.0	0.005	0.000	1047.259	0.00%	99.74%
93.5	0.006	0.000	1047.259	0.00%	99.74%
94.0	0.006	0.000	1047.26	0.00%	99.74%
94.5	0.006	0.000	1047.26	0.00%	99.74%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
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Zonal flux distribution table

Appendix Page: 7 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	0.006	0.000	1047.26	0.00%	99.74%
95.5	0.006	0.000	1047.261	0.00%	99.74%
96.0	0.006	0.000	1047.261	0.00%	99.74%
96.5	0.006	0.000	1047.261	0.00%	99.74%
97.0	0.006	0.000	1047.262	0.00%	99.74%
97.5	0.006	0.000	1047.262	0.00%	99.74%
98.0	0.007	0.000	1047.262	0.00%	99.74%
98.5	0.007	0.000	1047.263	0.00%	99.74%
99.0	0.007	0.000	1047.263	0.00%	99.74%
99.5	0.007	0.000	1047.263	0.00%	99.74%
100.0	0.008	0.000	1047.264	0.00%	99.74%
100.5	0.008	0.000	1047.264	0.00%	99.74%
101.0	0.008	0.000	1047.265	0.00%	99.74%
101.5	0.009	0.000	1047.265	0.00%	99.74%
102.0	0.009	0.000	1047.266	0.00%	99.74%
102.5	0.010	0.000	1047.266	0.00%	99.74%
103.0	0.010	0.001	1047.267	0.00%	99.74%
103.5	0.010	0.001	1047.267	0.00%	99.74%
104.0	0.011	0.001	1047.268	0.00%	99.74%
104.5	0.012	0.001	1047.268	0.00%	99.74%
105.0	0.012	0.001	1047.269	0.00%	99.74%
105.5	0.013	0.001	1047.27	0.00%	99.74%
106.0	0.014	0.001	1047.27	0.00%	99.74%
106.5	0.015	0.001	1047.271	0.00%	99.74%
107.0	0.015	0.001	1047.272	0.00%	99.74%
107.5	0.016	0.001	1047.273	0.00%	99.74%
108.0	0.017	0.001	1047.274	0.00%	99.74%
108.5	0.018	0.001	1047.275	0.00%	99.74%
109.0	0.019	0.001	1047.276	0.00%	99.74%
109.5	0.021	0.001	1047.277	0.00%	99.74%
110.0	0.022	0.001	1047.278	0.00%	99.74%
110.5	0.023	0.001	1047.279	0.00%	99.74%
111.0	0.025	0.001	1047.28	0.00%	99.74%
111.5	0.026	0.001	1047.281	0.00%	99.74%
112.0	0.028	0.001	1047.283	0.00%	99.74%
112.5	0.030	0.001	1047.284	0.00%	99.74%
113.0	0.032	0.002	1047.286	0.00%	99.74%
113.5	0.034	0.002	1047.288	0.00%	99.74%

Equipment: GMS-1800
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Zonal flux distribution table

Appendix Page: 8 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.035	0.002	1047.289	0.00%	99.74%
114.5	0.038	0.002	1047.291	0.00%	99.74%
115.0	0.040	0.002	1047.293	0.00%	99.74%
115.5	0.042	0.002	1047.295	0.00%	99.74%
116.0	0.045	0.002	1047.297	0.00%	99.74%
116.5	0.047	0.002	1047.299	0.00%	99.74%
117.0	0.050	0.002	1047.302	0.00%	99.74%
117.5	0.053	0.003	1047.304	0.00%	99.74%
118.0	0.056	0.003	1047.307	0.00%	99.74%
118.5	0.059	0.003	1047.31	0.00%	99.74%
119.0	0.062	0.003	1047.313	0.00%	99.74%
119.5	0.066	0.003	1047.316	0.00%	99.74%
120.0	0.070	0.003	1047.319	0.00%	99.74%
120.5	0.074	0.003	1047.322	0.00%	99.74%
121.0	0.079	0.004	1047.326	0.00%	99.75%
121.5	0.083	0.004	1047.33	0.00%	99.75%
122.0	0.088	0.004	1047.334	0.00%	99.75%
122.5	0.093	0.004	1047.338	0.00%	99.75%
123.0	0.098	0.004	1047.342	0.00%	99.75%
123.5	0.104	0.005	1047.347	0.00%	99.75%
124.0	0.109	0.005	1047.352	0.00%	99.75%
124.5	0.115	0.005	1047.357	0.00%	99.75%
125.0	0.121	0.005	1047.362	0.00%	99.75%
125.5	0.127	0.006	1047.368	0.00%	99.75%
126.0	0.134	0.006	1047.373	0.00%	99.75%
126.5	0.141	0.006	1047.38	0.00%	99.75%
127.0	0.147	0.006	1047.386	0.00%	99.75%
127.5	0.155	0.007	1047.392	0.00%	99.75%
128.0	0.162	0.007	1047.399	0.00%	99.75%
128.5	0.170	0.007	1047.406	0.00%	99.75%
129.0	0.178	0.007	1047.414	0.00%	99.75%
129.5	0.187	0.008	1047.422	0.00%	99.75%
130.0	0.196	0.008	1047.43	0.00%	99.76%
130.5	0.206	0.008	1047.438	0.00%	99.76%
131.0	0.215	0.009	1047.447	0.00%	99.76%
131.5	0.226	0.009	1047.456	0.00%	99.76%
132.0	0.237	0.009	1047.465	0.00%	99.76%
132.5	0.248	0.010	1047.475	0.00%	99.76%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 9 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
133.0	0.260	0.010	1047.486	0.00%	99.76%
133.5	0.274	0.011	1047.496	0.00%	99.76%
134.0	0.287	0.011	1047.507	0.00%	99.76%
134.5	0.301	0.012	1047.519	0.00%	99.76%
135.0	0.317	0.012	1047.531	0.00%	99.76%
135.5	0.333	0.013	1047.543	0.00%	99.77%
136.0	0.351	0.013	1047.557	0.00%	99.77%
136.5	0.369	0.014	1047.57	0.00%	99.77%
137.0	0.389	0.014	1047.584	0.00%	99.77%
137.5	0.410	0.015	1047.599	0.00%	99.77%
138.0	0.433	0.016	1047.615	0.00%	99.77%
138.5	0.458	0.016	1047.631	0.00%	99.77%
139.0	0.484	0.017	1047.648	0.00%	99.78%
139.5	0.512	0.018	1047.666	0.00%	99.78%
140.0	0.542	0.019	1047.685	0.00%	99.78%
140.5	0.575	0.020	1047.704	0.00%	99.78%
141.0	0.611	0.021	1047.725	0.00%	99.78%
141.5	0.650	0.022	1047.746	0.00%	99.79%
142.0	0.693	0.023	1047.769	0.00%	99.79%
142.5	0.741	0.024	1047.793	0.00%	99.79%
143.0	0.796	0.026	1047.819	0.00%	99.79%
143.5	0.858	0.027	1047.846	0.00%	99.79%
144.0	0.928	0.029	1047.875	0.00%	99.80%
144.5	1.007	0.031	1047.906	0.00%	99.80%
145.0	1.092	0.033	1047.939	0.00%	99.80%
145.5	1.182	0.036	1047.975	0.00%	99.81%
146.0	1.275	0.038	1048.012	0.00%	99.81%
146.5	1.368	0.040	1048.053	0.00%	99.81%
147.0	1.459	0.042	1048.095	0.00%	99.82%
147.5	1.548	0.045	1048.14	0.00%	99.82%
148.0	1.633	0.047	1048.186	0.00%	99.83%
148.5	1.712	0.048	1048.235	0.00%	99.83%
149.0	1.785	0.050	1048.284	0.00%	99.84%
149.5	1.851	0.051	1048.335	0.00%	99.84%
150.0	1.909	0.052	1048.387	0.00%	99.85%
150.5	1.961	0.053	1048.44	0.01%	99.85%
151.0	2.005	0.053	1048.493	0.01%	99.86%
151.5	2.044	0.053	1048.546	0.01%	99.86%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 10 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	2.077	0.053	1048.6	0.01%	99.87%
152.5	2.106	0.053	1048.653	0.01%	99.87%
153.0	2.130	0.053	1048.706	0.01%	99.88%
153.5	2.152	0.053	1048.759	0.01%	99.88%
154.0	2.170	0.052	1048.812	0.00%	99.89%
154.5	2.186	0.052	1048.864	0.00%	99.89%
155.0	2.201	0.051	1048.915	0.00%	99.90%
155.5	2.212	0.051	1048.966	0.00%	99.90%
156.0	2.222	0.050	1049.015	0.00%	99.91%
156.5	2.230	0.049	1049.065	0.00%	99.91%
157.0	2.236	0.048	1049.113	0.00%	99.92%
157.5	2.240	0.047	1049.16	0.00%	99.92%
158.0	2.242	0.047	1049.207	0.00%	99.92%
158.5	2.242	0.046	1049.252	0.00%	99.93%
159.0	2.240	0.045	1049.297	0.00%	99.93%
159.5	2.235	0.043	1049.34	0.00%	99.94%
160.0	2.228	0.042	1049.383	0.00%	99.94%
160.5	2.217	0.041	1049.424	0.00%	99.95%
161.0	2.203	0.040	1049.464	0.00%	99.95%
161.5	2.187	0.039	1049.503	0.00%	99.95%
162.0	2.166	0.037	1049.54	0.00%	99.96%
162.5	2.142	0.036	1049.576	0.00%	99.96%
163.0	2.113	0.035	1049.611	0.00%	99.96%
163.5	2.080	0.033	1049.644	0.00%	99.97%
164.0	2.042	0.032	1049.675	0.00%	99.97%
164.5	1.999	0.030	1049.705	0.00%	99.97%
165.0	1.949	0.028	1049.734	0.00%	99.97%
165.5	1.893	0.027	1049.761	0.00%	99.98%
166.0	1.830	0.025	1049.786	0.00%	99.98%
166.5	1.759	0.023	1049.809	0.00%	99.98%
167.0	1.679	0.022	1049.831	0.00%	99.98%
167.5	1.594	0.020	1049.851	0.00%	99.99%
168.0	1.505	0.018	1049.869	0.00%	99.99%
168.5	1.415	0.016	1049.885	0.00%	99.99%
169.0	1.326	0.015	1049.9	0.00%	99.99%
169.5	1.240	0.013	1049.913	0.00%	99.99%
170.0	1.156	0.012	1049.924	0.00%	99.99%
170.5	1.076	0.010	1049.935	0.00%	99.99%

Equipment: GMS-1800
Temperature($^{\circ}\text{C}$): 25.0

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 11 Total:35

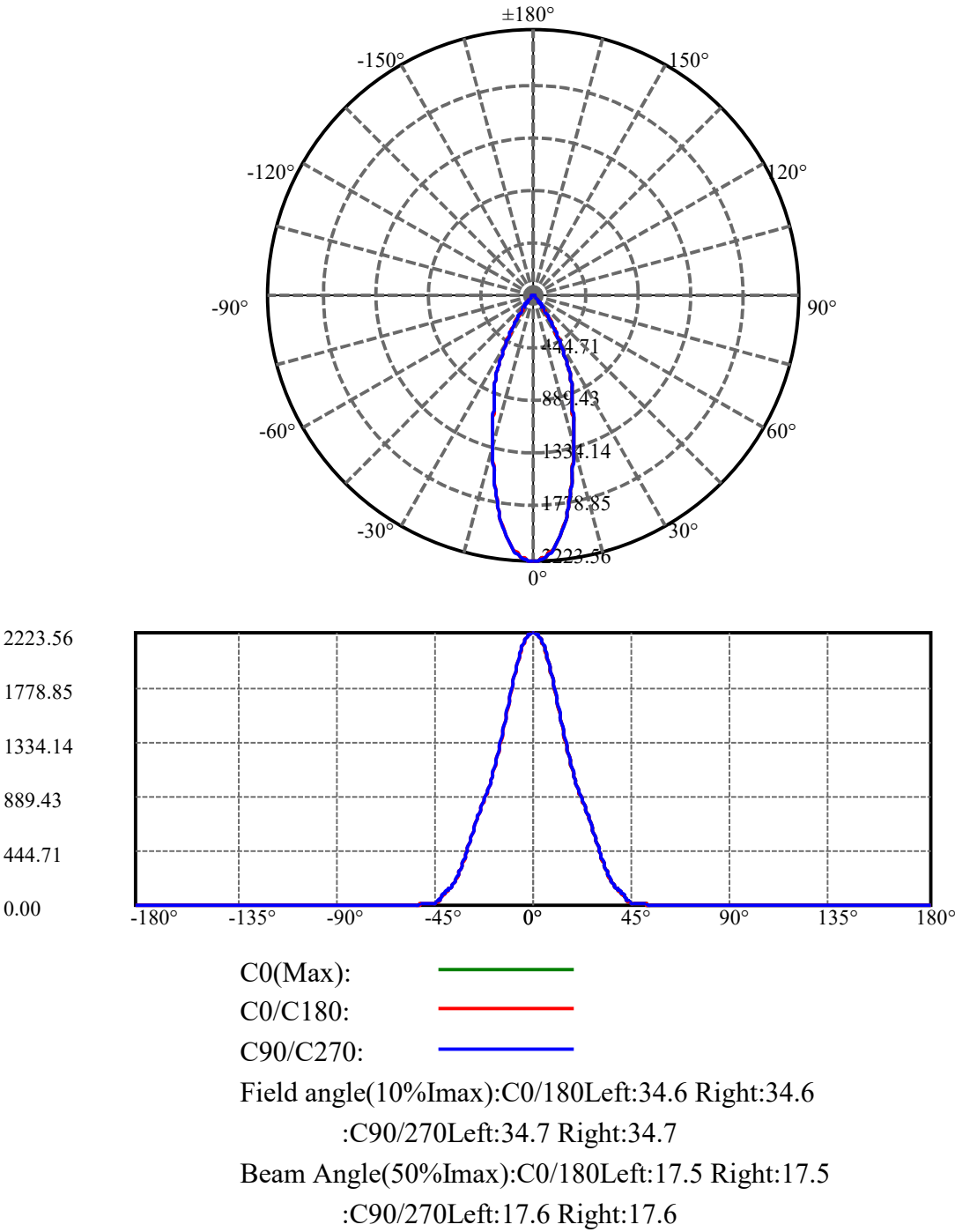
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	1.001	0.009	1049.944	0.00%	99.99%
171.5	0.933	0.008	1049.952	0.00%	100.00%
172.0	0.872	0.007	1049.959	0.00%	100.00%
172.5	0.817	0.006	1049.965	0.00%	100.00%
173.0	0.768	0.005	1049.971	0.00%	100.00%
173.5	0.725	0.005	1049.976	0.00%	100.00%
174.0	0.687	0.004	1049.98	0.00%	100.00%
174.5	0.653	0.004	1049.983	0.00%	100.00%
175.0	0.623	0.003	1049.987	0.00%	100.00%
175.5	0.597	0.003	1049.989	0.00%	100.00%
176.0	0.574	0.002	1049.992	0.00%	100.00%
176.5	0.554	0.002	1049.994	0.00%	100.00%
177.0	0.538	0.002	1049.996	0.00%	100.00%
177.5	0.526	0.001	1049.997	0.00%	100.00%
178.0	0.516	0.001	1049.998	0.00%	100.00%
178.5	0.497	0.001	1049.999	0.00%	100.00%
179.0	0.470	0.001	1050	0.00%	100.00%
179.5	0.465	0.000	1050	0.00%	100.00%
180.0	0.462	0.000	1050	0.00%	100.00%

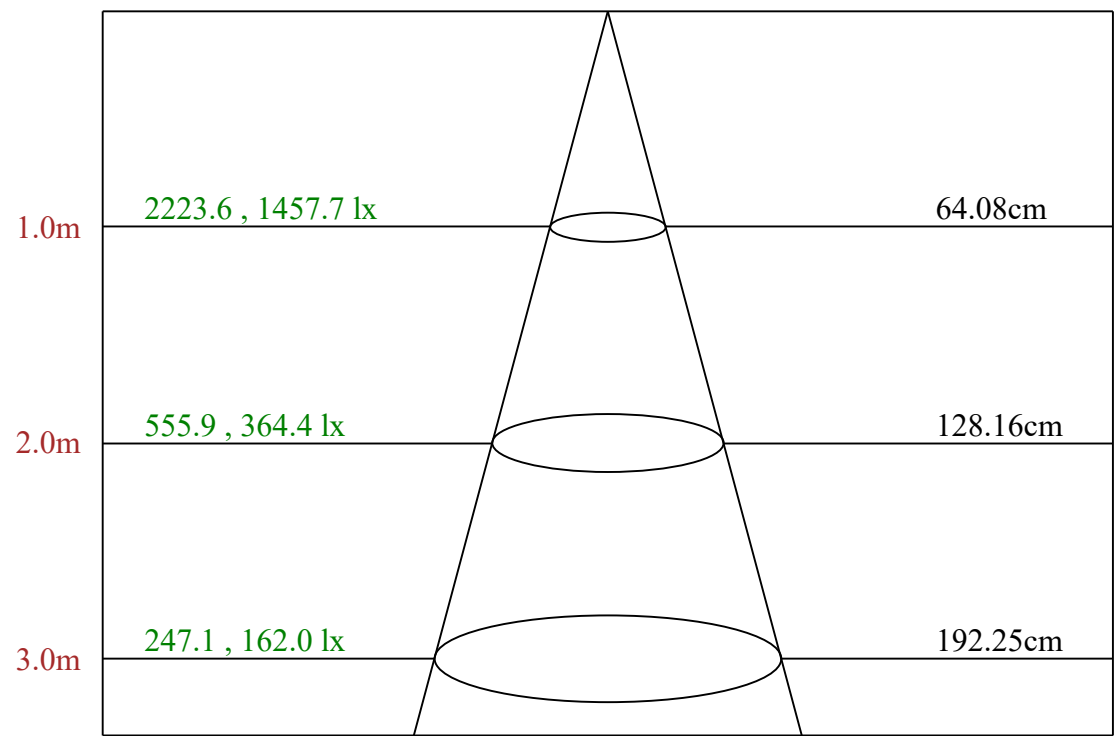
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	875.52	83.38%	83.38%
0-40	1017.95	96.95%	96.95%
0-60	1045.02	99.53%	99.53%
0-90	1047.26	99.74%	99.74%
0-120	1047.32	99.74%	99.74%
0-180	1050.00	100.00%	100.00%
60-90	2.24	0.21%	0.21%
90-120	0.06	0.01%	0.01%
90-130	0.17	0.02%	0.02%
90-150	1.13	0.11%	0.11%
90-180	2.74	0.26%	0.26%
0-28.63	840.00	80.00%	80.00%

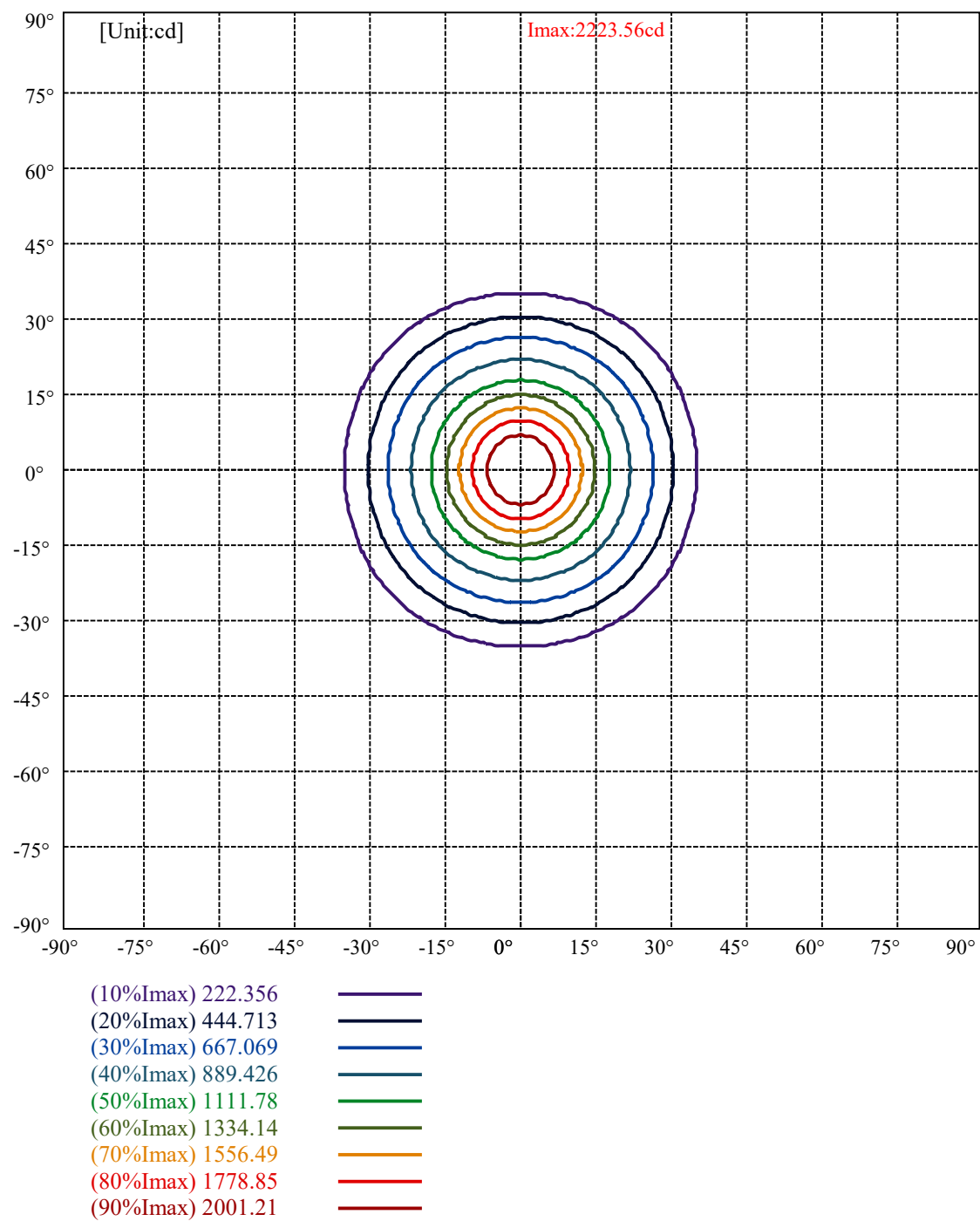
ZONAL LUMEN SUMMARY

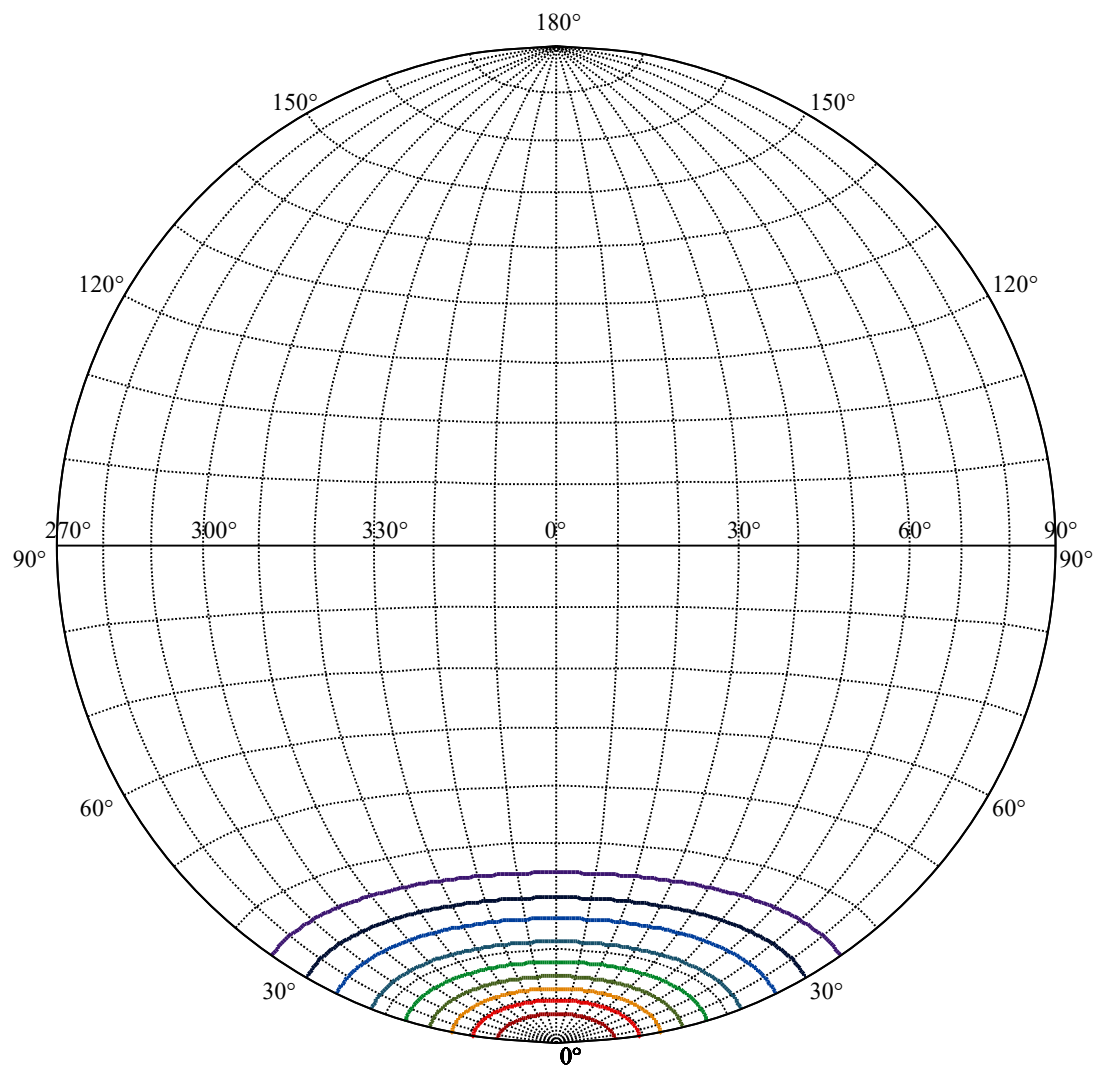
0-10	189.16
10-20	362.36
20-30	324.00
30-40	142.42
40-50	22.44
50-60	4.63
60-70	1.82
70-80	0.41
80-90	0.01
90-100	0.01
100-110	0.01
110-120	0.04
120-130	0.11
130-140	0.25
140-150	0.70
150-160	1.00
160-170	0.54
170-180	0.08





Max , Ave Beam angle of C0 plane 35.53



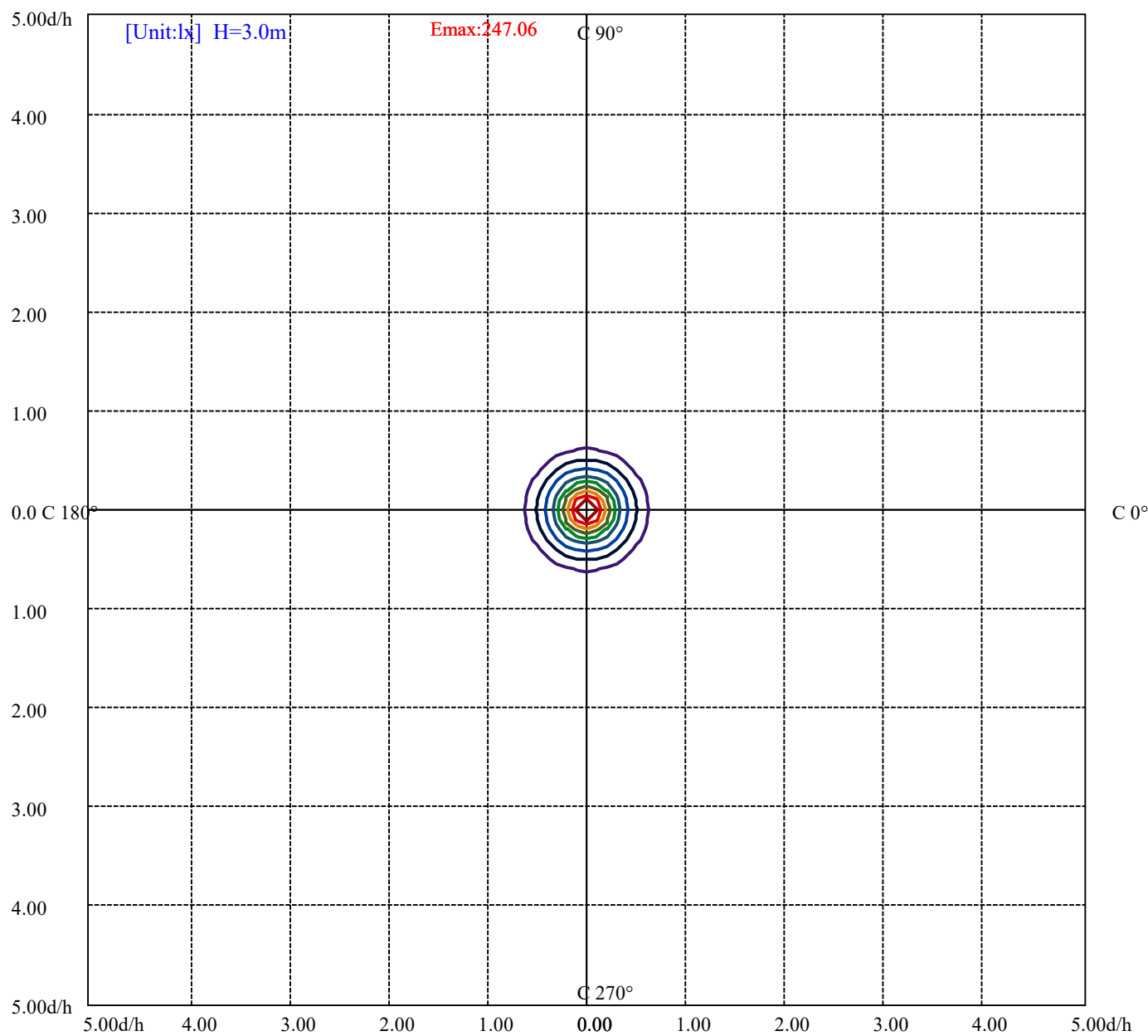


House

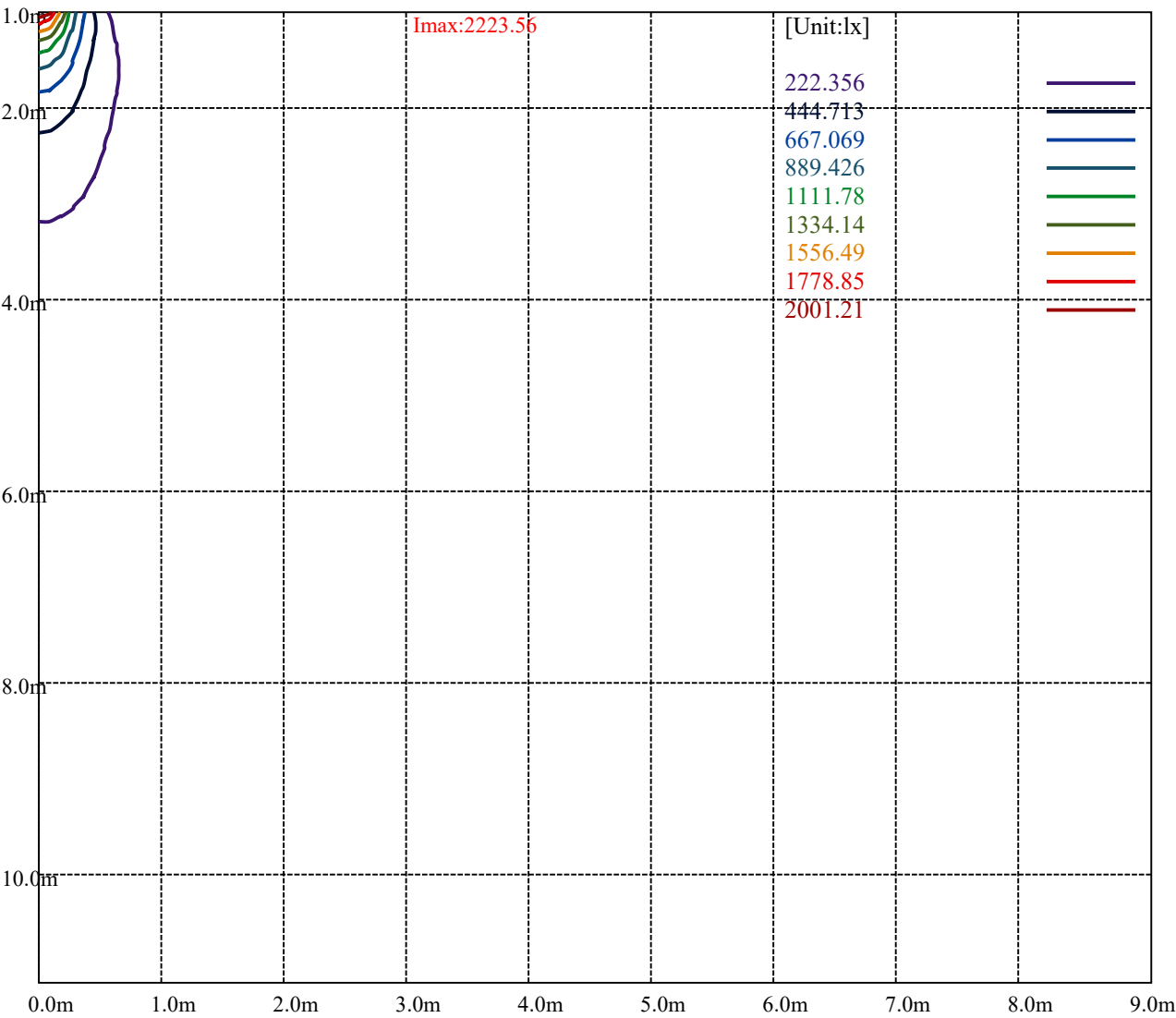
[Unit:cd]

Road

Imax:2223.56	
(10%Imax) 222.356	
(20%Imax) 444.713	
(30%Imax) 667.069	
(40%Imax) 889.426	
(50%Imax) 1111.78	
(60%Imax) 1334.14	
(70%Imax) 1556.49	
(80%Imax) 1778.85	
(90%Imax) 2001.21	



(10%Emax)	24.70622	
(20%Emax)	49.41256	
(30%Emax)	74.11877	
(40%Emax)	98.825	
(50%Emax)	123.5311	
(60%Emax)	148.2378	
(70%Emax)	172.9433	
(80%Emax)	197.65	
(90%Emax)	222.3567	



Luminance Limiting Curve(no luminous side)

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Luminance Table

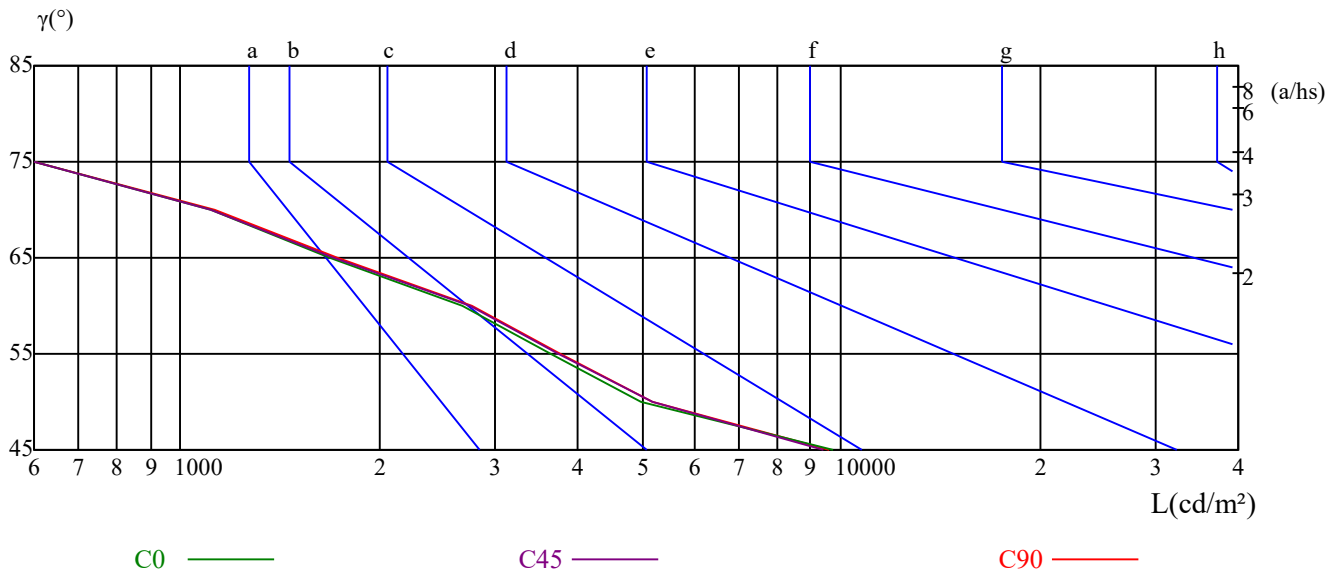
γ	45	50	55	60	65	70	75	80	85
C0	9739	4990	3627	2672	1686	1108	581	56	29
C45	9437	5177	3726	2736	1707	1110	579	58	29
C90	9572	5196	3767	2759	1725	1130	587	61	29

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1686	1725	1707	581	587	579	29	29	29

Glare Table

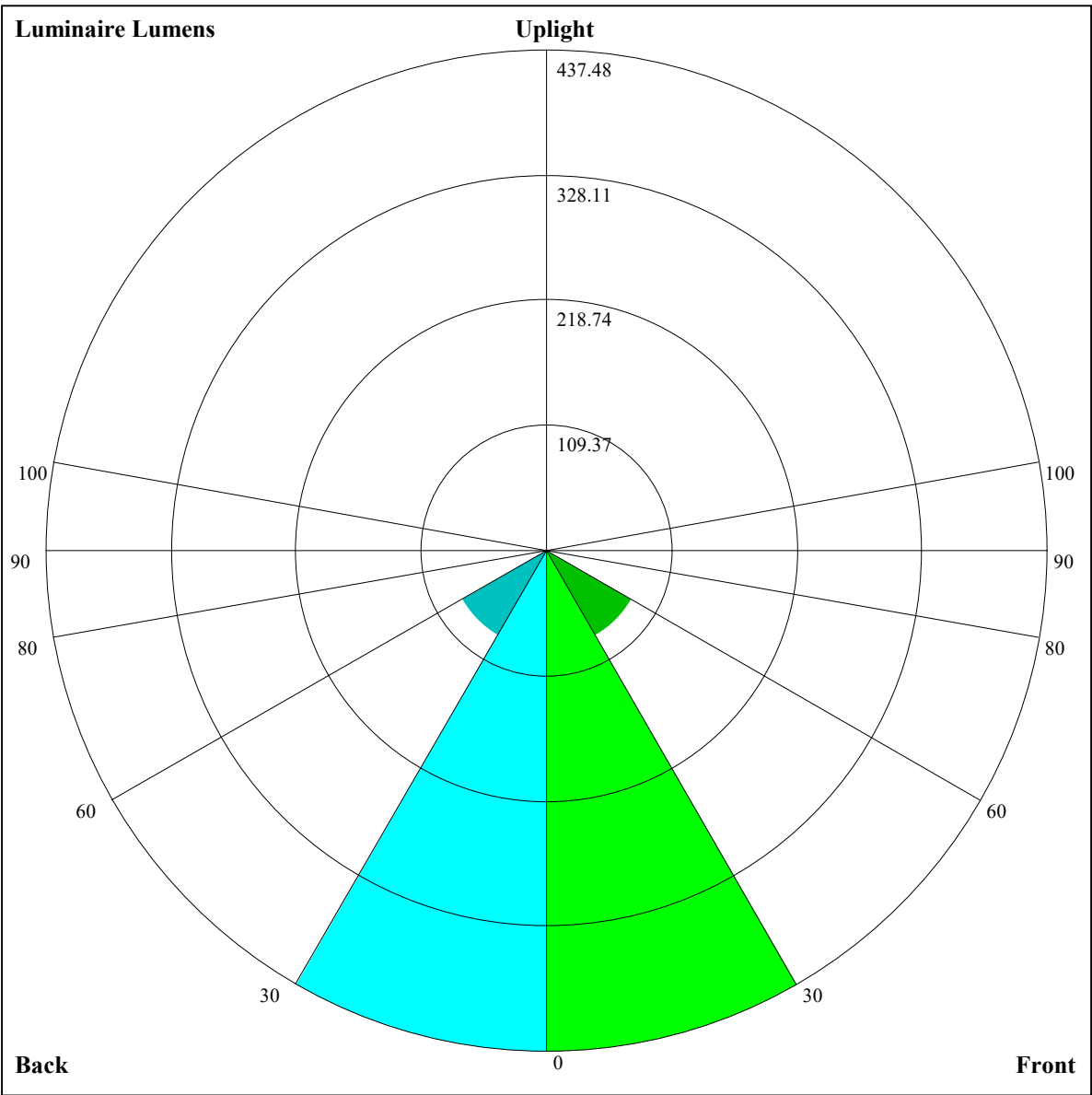
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illumination assessment according UGR												
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30		
Rf of Wall	50	30	50	30	30	50	30	50	30	30		
Rf of Floor	20	20	20	20	20	20	20	20	20	20		
Room dimensions		Viewed crosswise					Viewed endwise					
X	Y											
2H	2H	18.55	19.46	18.91	19.77	20.10	18.61	19.52	18.98	19.83	20.16	
	3H	18.34	19.14	18.73	19.49	19.84	18.40	19.20	18.79	19.55	19.90	
	4H	18.23	18.97	18.63	19.33	19.71	18.29	19.03	18.69	19.39	19.77	
	6H	18.13	18.81	18.56	19.20	19.60	18.19	18.87	18.62	19.26	19.66	
	8H	18.05	18.70	18.48	19.09	19.51	18.11	18.76	18.54	19.15	19.57	
	12H	17.98	18.59	18.41	18.99	19.42	18.04	18.65	18.47	19.05	19.48	
4H	2H	18.23	18.97	18.63	19.33	19.71	18.29	19.03	18.69	19.39	19.77	
	3H	17.98	18.60	18.41	19.00	19.43	18.04	18.66	18.47	19.06	19.49	
	4H	17.89	18.43	18.34	18.86	19.32	17.95	18.49	18.40	18.92	19.38	
	6H	17.74	18.21	18.22	18.67	19.13	17.80	18.28	18.28	18.73	19.19	
	8H	17.68	18.12	18.17	18.58	19.06	17.74	18.18	18.23	18.64	19.12	
	12H	17.62	18.02	18.12	18.48	19.01	17.68	18.09	18.18	18.54	19.07	
8H	4H	17.68	18.12	18.17	18.58	19.06	17.74	18.18	18.23	18.64	19.12	
	6H	17.52	17.87	18.03	18.36	18.88	17.58	17.93	18.09	18.42	18.94	
	8H	17.50	17.79	18.04	18.32	18.82	17.56	17.85	18.10	18.38	18.88	
	12H	17.44	17.66	17.99	18.18	18.71	17.50	17.72	18.05	18.24	18.77	
12H	4H	17.62	18.03	18.12	18.48	19.01	17.69	18.09	18.18	18.55	19.07	
	6H	17.50	17.79	18.04	18.32	18.82	17.56	17.85	18.10	18.38	18.88	
	8H	17.44	17.66	17.99	18.18	18.71	17.50	17.72	18.05	18.24	18.77	
Variation with the observer position at spacings:												
S = 1.0H		5.7/-13.2					5.7/-13.3					
S = 1.5H		8.5/-15.3					8.5/-15.4					
S = 2.0H		10.5/-17.1					10.5/-17.1					
Standard tables:		BK0					BK0					
Uncorrected UGR		-0.6					-0.7					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



Luminaire Lumens:
FL=437.48,FM=85.52,FH=1.13,FVH=0
BL=437.48,BM=85.52,BH=1.13,BVH=0
UL=0,UH=2.74
BUG Rating:B1-U1-G0

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	2223.56	2222.24	2218.31	2211.91	2203.26	2192.20	2178.70	2162.86	2144.90
22.5	2223.56	2221.31	2217.20	2211.23	2202.51	2190.74	2176.40	2160.24	2141.24
45.0	2223.56	2221.01	2217.30	2212.38	2203.82	2192.83	2179.12	2163.27	2144.81
67.5	2223.56	2220.84	2217.61	2212.96	2205.82	2195.59	2183.73	2169.13	2152.22
90.0	2223.56	2220.73	2218.22	2213.07	2207.70	2198.88	2185.43	2170.17	2152.58
112.5	2223.56	2220.84	2217.61	2212.96	2205.82	2195.59	2183.73	2169.13	2152.22
135.0	2223.56	2221.01	2217.30	2212.38	2203.82	2192.83	2179.12	2163.27	2144.81
157.5	2223.56	2221.31	2217.20	2211.23	2202.51	2190.74	2176.40	2160.24	2141.24
180.0	2223.56	2222.24	2218.31	2211.91	2203.26	2192.20	2178.70	2162.86	2144.90
202.5	2223.56	2221.31	2217.20	2211.23	2202.51	2190.74	2176.40	2160.24	2141.24
225.0	2223.56	2221.01	2217.30	2212.38	2203.82	2192.83	2179.12	2163.27	2144.81
247.5	2223.56	2220.84	2217.61	2212.96	2205.82	2195.59	2183.73	2169.13	2152.22
270.0	2223.56	2220.73	2218.22	2213.07	2207.70	2198.88	2185.43	2170.17	2152.58
292.5	2223.56	2220.84	2217.61	2212.96	2205.82	2195.59	2183.73	2169.13	2152.22
315.0	2223.56	2221.01	2217.30	2212.38	2203.82	2192.83	2179.12	2163.27	2144.81
337.5	2223.56	2221.31	2217.20	2211.23	2202.51	2190.74	2176.40	2160.24	2141.24
360.0	2223.56	2222.24	2218.31	2211.91	2203.26	2192.20	2178.70	2162.86	2144.90

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2124.65	2101.82	2076.35	2048.01	2017.16	1984.03	1948.54	1911.12	1872.18
22.5	2120.45	2097.54	2072.26	2043.85	2013.42	1980.31	1944.91	1907.28	1868.17
45.0	2123.95	2100.56	2074.52	2046.16	2015.22	1981.99	1946.54	1909.35	1870.54
67.5	2132.15	2108.66	2082.56	2053.79	2022.33	1988.80	1953.48	1916.00	1876.29
90.0	2132.33	2109.54	2083.69	2054.72	2023.52	1989.94	1953.83	1915.98	1876.41
112.5	2132.15	2108.66	2082.56	2053.79	2022.33	1988.80	1953.48	1916.00	1876.29
135.0	2123.95	2100.56	2074.52	2046.16	2015.22	1981.99	1946.54	1909.35	1870.54
157.5	2120.45	2097.54	2072.26	2043.85	2013.42	1980.31	1944.91	1907.28	1868.17
180.0	2124.65	2101.82	2076.35	2048.01	2017.16	1984.03	1948.54	1911.12	1872.18
202.5	2120.45	2097.54	2072.26	2043.85	2013.42	1980.31	1944.91	1907.28	1868.17
225.0	2123.95	2100.56	2074.52	2046.16	2015.22	1981.99	1946.54	1909.35	1870.54
247.5	2132.15	2108.66	2082.56	2053.79	2022.33	1988.80	1953.48	1916.00	1876.29
270.0	2132.33	2109.54	2083.69	2054.72	2023.52	1989.94	1953.83	1915.98	1876.41
292.5	2132.15	2108.66	2082.56	2053.79	2022.33	1988.80	1953.48	1916.00	1876.29
315.0	2123.95	2100.56	2074.52	2046.16	2015.22	1981.99	1946.54	1909.35	1870.54
337.5	2120.45	2097.54	2072.26	2043.85	2013.42	1980.31	1944.91	1907.28	1868.17
360.0	2124.65	2101.82	2076.35	2048.01	2017.16	1984.03	1948.54	1911.12	1872.18

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1831.25	1788.62	1745.16	1700.41	1654.56	1608.48	1562.34	1516.90	1472.25
22.5	1827.19	1784.72	1740.91	1696.79	1651.24	1605.46	1559.43	1513.92	1469.32
45.0	1829.77	1787.29	1743.62	1698.93	1654.21	1608.45	1563.10	1517.61	1473.40
67.5	1835.30	1792.78	1748.96	1704.12	1658.71	1613.32	1568.10	1523.01	1478.42
90.0	1835.43	1793.06	1749.48	1704.81	1659.42	1613.71	1568.12	1523.40	1479.26
112.5	1835.30	1792.78	1748.96	1704.12	1658.71	1613.32	1568.10	1523.01	1478.42
135.0	1829.77	1787.29	1743.62	1698.93	1654.21	1608.45	1563.10	1517.61	1473.40
157.5	1827.19	1784.72	1740.91	1696.79	1651.24	1605.46	1559.43	1513.92	1469.32
180.0	1831.25	1788.62	1745.16	1700.41	1654.56	1608.48	1562.34	1516.90	1472.25
202.5	1827.19	1784.72	1740.91	1696.79	1651.24	1605.46	1559.43	1513.92	1469.32
225.0	1829.77	1787.29	1743.62	1698.93	1654.21	1608.45	1563.10	1517.61	1473.40
247.5	1835.30	1792.78	1748.96	1704.12	1658.71	1613.32	1568.10	1523.01	1478.42
270.0	1835.43	1793.06	1749.48	1704.81	1659.42	1613.71	1568.12	1523.40	1479.26
292.5	1835.30	1792.78	1748.96	1704.12	1658.71	1613.32	1568.10	1523.01	1478.42
315.0	1829.77	1787.29	1743.62	1698.93	1654.21	1608.45	1563.10	1517.61	1473.40
337.5	1827.19	1784.72	1740.91	1696.79	1651.24	1605.46	1559.43	1513.92	1469.32
360.0	1831.25	1788.62	1745.16	1700.41	1654.56	1608.48	1562.34	1516.90	1472.25

Intensity data(cd)

Appendix Page: 23 Total:35

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1428.29	1385.33	1343.03	1301.73	1261.44	1222.53	1184.92	1148.68	1113.29
22.5	1425.84	1383.07	1340.88	1299.57	1259.97	1221.35	1184.03	1147.80	1112.66
45.0	1429.59	1386.85	1344.67	1303.92	1263.82	1224.93	1187.16	1150.59	1115.11
67.5	1434.90	1392.12	1350.15	1308.62	1268.44	1229.24	1191.30	1154.06	1118.22
90.0	1435.52	1392.66	1350.91	1309.60	1269.34	1230.27	1192.04	1154.94	1119.11
112.5	1434.90	1392.12	1350.15	1308.62	1268.44	1229.24	1191.30	1154.06	1118.22
135.0	1429.59	1386.85	1344.67	1303.92	1263.82	1224.93	1187.16	1150.59	1115.11
157.5	1425.84	1383.07	1340.88	1299.57	1259.97	1221.35	1184.03	1147.80	1112.66
180.0	1428.29	1385.33	1343.03	1301.73	1261.44	1222.53	1184.92	1148.68	1113.29
202.5	1425.84	1383.07	1340.88	1299.57	1259.97	1221.35	1184.03	1147.80	1112.66
225.0	1429.59	1386.85	1344.67	1303.92	1263.82	1224.93	1187.16	1150.59	1115.11
247.5	1434.90	1392.12	1350.15	1308.62	1268.44	1229.24	1191.30	1154.06	1118.22
270.0	1435.52	1392.66	1350.91	1309.60	1269.34	1230.27	1192.04	1154.94	1119.11
292.5	1434.90	1392.12	1350.15	1308.62	1268.44	1229.24	1191.30	1154.06	1118.22
315.0	1429.59	1386.85	1344.67	1303.92	1263.82	1224.93	1187.16	1150.59	1115.11
337.5	1425.84	1383.07	1340.88	1299.57	1259.97	1221.35	1184.03	1147.80	1112.66
360.0	1428.29	1385.33	1343.03	1301.73	1261.44	1222.53	1184.92	1148.68	1113.29

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1079.35	1047.04	1016.85	988.65	962.83	938.27	914.46	891.45	869.67
22.5	1078.35	1046.27	1015.88	988.09	962.27	938.13	914.42	891.61	869.05
45.0	1081.29	1048.78	1018.27	990.02	964.29	940.22	917.19	894.35	872.08
67.5	1083.66	1051.46	1020.76	992.52	966.22	942.02	918.85	896.37	873.77
90.0	1084.58	1052.01	1021.42	993.45	967.13	942.47	919.15	896.98	874.87
112.5	1083.66	1051.46	1020.76	992.52	966.22	942.02	918.85	896.37	873.77
135.0	1081.29	1048.78	1018.27	990.02	964.29	940.22	917.19	894.35	872.08
157.5	1078.35	1046.27	1015.88	988.09	962.27	938.13	914.42	891.61	869.05
180.0	1079.35	1047.04	1016.85	988.65	962.83	938.27	914.46	891.45	869.67
202.5	1078.35	1046.27	1015.88	988.09	962.27	938.13	914.42	891.61	869.05
225.0	1081.29	1048.78	1018.27	990.02	964.29	940.22	917.19	894.35	872.08
247.5	1083.66	1051.46	1020.76	992.52	966.22	942.02	918.85	896.37	873.77
270.0	1084.58	1052.01	1021.42	993.45	967.13	942.47	919.15	896.98	874.87
292.5	1083.66	1051.46	1020.76	992.52	966.22	942.02	918.85	896.37	873.77
315.0	1081.29	1048.78	1018.27	990.02	964.29	940.22	917.19	894.35	872.08
337.5	1078.35	1046.27	1015.88	988.09	962.27	938.13	914.42	891.61	869.05
360.0	1079.35	1047.04	1016.85	988.65	962.83	938.27	914.46	891.45	869.67

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	848.10	825.91	802.45	777.80	751.77	724.89	697.73	670.17	642.02
22.5	847.22	825.13	801.81	776.40	750.20	723.55	696.41	669.00	640.88
45.0	850.01	827.51	803.29	778.05	751.60	724.78	697.52	669.49	641.34
67.5	851.44	828.45	804.35	778.53	751.83	724.76	697.58	670.11	641.92
90.0	852.48	829.14	804.71	779.24	752.65	725.46	698.00	670.67	642.16
112.5	851.44	828.45	804.35	778.53	751.83	724.76	697.58	670.11	641.92
135.0	850.01	827.51	803.29	778.05	751.60	724.78	697.52	669.49	641.34
157.5	847.22	825.13	801.81	776.40	750.20	723.55	696.41	669.00	640.88
180.0	848.10	825.91	802.45	777.80	751.77	724.89	697.73	670.17	642.02
202.5	847.22	825.13	801.81	776.40	750.20	723.55	696.41	669.00	640.88
225.0	850.01	827.51	803.29	778.05	751.60	724.78	697.52	669.49	641.34
247.5	851.44	828.45	804.35	778.53	751.83	724.76	697.58	670.11	641.92
270.0	852.48	829.14	804.71	779.24	752.65	725.46	698.00	670.67	642.16
292.5	851.44	828.45	804.35	778.53	751.83	724.76	697.58	670.11	641.92
315.0	850.01	827.51	803.29	778.05	751.60	724.78	697.52	669.49	641.34
337.5	847.22	825.13	801.81	776.40	750.20	723.55	696.41	669.00	640.88
360.0	848.10	825.91	802.45	777.80	751.77	724.89	697.73	670.17	642.02

Intensity data(cd)

Appendix Page: 24 Total:35

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	613.55	584.80	556.19	528.15	500.32	472.90	445.81	418.80	392.18
22.5	611.99	583.22	554.97	526.96	499.14	471.73	444.67	417.90	391.59
45.0	612.83	584.37	556.01	527.85	500.28	472.90	445.99	419.40	393.07
67.5	613.21	584.56	556.44	528.55	500.90	473.72	446.90	420.44	393.95
90.0	613.90	585.43	557.38	529.29	501.53	473.73	446.61	419.86	393.53
112.5	613.21	584.56	556.44	528.55	500.90	473.72	446.90	420.44	393.95
135.0	612.83	584.37	556.01	527.85	500.28	472.90	445.99	419.40	393.07
157.5	611.99	583.22	554.97	526.96	499.14	471.73	444.67	417.90	391.59
180.0	613.55	584.80	556.19	528.15	500.32	472.90	445.81	418.80	392.18
202.5	611.99	583.22	554.97	526.96	499.14	471.73	444.67	417.90	391.59
225.0	612.83	584.37	556.01	527.85	500.28	472.90	445.99	419.40	393.07
247.5	613.21	584.56	556.44	528.55	500.90	473.72	446.90	420.44	393.95
270.0	613.90	585.43	557.38	529.29	501.53	473.73	446.61	419.86	393.53
292.5	613.21	584.56	556.44	528.55	500.90	473.72	446.90	420.44	393.95
315.0	612.83	584.37	556.01	527.85	500.28	472.90	445.99	419.40	393.07
337.5	611.99	583.22	554.97	526.96	499.14	471.73	444.67	417.90	391.59
360.0	613.55	584.80	556.19	528.15	500.32	472.90	445.81	418.80	392.18

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	365.85	340.07	315.93	292.38	269.44	247.27	226.78	208.04	191.23
22.5	365.39	340.54	316.34	292.81	269.80	247.40	226.82	208.05	190.98
45.0	367.03	341.78	317.22	293.65	270.68	248.77	228.13	209.28	192.27
67.5	367.84	342.51	318.39	294.93	272.19	250.42	229.85	210.90	193.62
90.0	367.48	342.44	318.64	295.06	272.30	250.23	229.26	210.52	193.38
112.5	367.84	342.51	318.39	294.93	272.19	250.42	229.85	210.90	193.62
135.0	367.03	341.78	317.22	293.65	270.68	248.77	228.13	209.28	192.27
157.5	365.39	340.54	316.34	292.81	269.80	247.40	226.82	208.05	190.98
180.0	365.85	340.07	315.93	292.38	269.44	247.27	226.78	208.04	191.23
202.5	365.39	340.54	316.34	292.81	269.80	247.40	226.82	208.05	190.98
225.0	367.03	341.78	317.22	293.65	270.68	248.77	228.13	209.28	192.27
247.5	367.84	342.51	318.39	294.93	272.19	250.42	229.85	210.90	193.62
270.0	367.48	342.44	318.64	295.06	272.30	250.23	229.26	210.52	193.38
292.5	367.84	342.51	318.39	294.93	272.19	250.42	229.85	210.90	193.62
315.0	367.03	341.78	317.22	293.65	270.68	248.77	228.13	209.28	192.27
337.5	365.39	340.54	316.34	292.81	269.80	247.40	226.82	208.05	190.98
360.0	365.85	340.07	315.93	292.38	269.44	247.27	226.78	208.04	191.23

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	176.17	162.77	151.24	141.82	133.66	125.62	117.20	108.51	98.86
22.5	175.94	162.56	151.19	141.84	133.73	125.72	117.23	107.97	98.06
45.0	177.07	163.83	152.59	143.19	134.59	126.24	117.82	109.07	99.46
67.5	178.31	165.10	153.96	144.44	135.82	127.18	118.56	109.72	100.37
90.0	178.24	164.81	153.36	143.99	135.36	126.93	118.68	110.00	100.83
112.5	178.31	165.10	153.96	144.44	135.82	127.18	118.56	109.72	100.37
135.0	177.07	163.83	152.59	143.19	134.59	126.24	117.82	109.07	99.46
157.5	175.94	162.56	151.19	141.84	133.73	125.72	117.23	107.97	98.06
180.0	176.17	162.77	151.24	141.82	133.66	125.62	117.20	108.51	98.86
202.5	175.94	162.56	151.19	141.84	133.73	125.72	117.23	107.97	98.06
225.0	177.07	163.83	152.59	143.19	134.59	126.24	117.82	109.07	99.46
247.5	178.31	165.10	153.96	144.44	135.82	127.18	118.56	109.72	100.37
270.0	178.24	164.81	153.36	143.99	135.36	126.93	118.68	110.00	100.83
292.5	178.31	165.10	153.96	144.44	135.82	127.18	118.56	109.72	100.37
315.0	177.07	163.83	152.59	143.19	134.59	126.24	117.82	109.07	99.46
337.5	175.94	162.56	151.19	141.84	133.73	125.72	117.23	107.97	98.06
360.0	176.17	162.77	151.24	141.82	133.66	125.62	117.20	108.51	98.86

C/ γ (°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	88.67	78.27	67.45	55.26	42.74	31.94	25.31	21.91	18.98
22.5	87.75	77.34	66.53	54.99	42.53	31.86	26.18	22.75	19.57
45.0	89.39	78.90	67.73	55.51	42.73	32.84	26.06	21.53	18.40
67.5	90.26	79.64	68.21	56.32	43.78	33.98	26.88	22.03	18.73
90.0	90.50	79.69	68.43	56.43	44.09	35.42	27.82	22.61	19.04
112.5	90.26	79.64	68.21	56.32	43.78	33.98	26.88	22.03	18.73
135.0	89.39	78.90	67.73	55.51	42.73	32.84	26.06	21.53	18.40
157.5	87.75	77.34	66.53	54.99	42.53	31.86	26.18	22.75	19.57
180.0	88.67	78.27	67.45	55.26	42.74	31.94	25.31	21.91	18.98
202.5	87.75	77.34	66.53	54.99	42.53	31.86	26.18	22.75	19.57
225.0	89.39	78.90	67.73	55.51	42.73	32.84	26.06	21.53	18.40
247.5	90.26	79.64	68.21	56.32	43.78	33.98	26.88	22.03	18.73
270.0	90.50	79.69	68.43	56.43	44.09	35.42	27.82	22.61	19.04
292.5	90.26	79.64	68.21	56.32	43.78	33.98	26.88	22.03	18.73
315.0	89.39	78.90	67.73	55.51	42.73	32.84	26.06	21.53	18.40
337.5	87.75	77.34	66.53	54.99	42.53	31.86	26.18	22.75	19.57
360.0	88.67	78.27	67.45	55.26	42.74	31.94	25.31	21.91	18.98
C/ γ (°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	16.36	14.31	13.20	12.19	11.08	10.09	9.36	8.87	8.42
22.5	17.10	14.75	13.43	12.36	11.28	10.24	9.55	9.03	8.56
45.0	15.85	14.69	13.68	12.71	11.68	10.55	9.78	9.27	8.78
67.5	16.22	14.92	13.83	12.83	11.75	10.63	9.88	9.31	8.81
90.0	16.08	14.92	13.74	12.74	11.70	10.56	9.84	9.29	8.79
112.5	16.22	14.92	13.83	12.83	11.75	10.63	9.88	9.31	8.81
135.0	15.85	14.69	13.68	12.71	11.68	10.55	9.78	9.27	8.78
157.5	17.10	14.75	13.43	12.36	11.28	10.24	9.55	9.03	8.56
180.0	16.36	14.31	13.20	12.19	11.08	10.09	9.36	8.87	8.42
202.5	17.10	14.75	13.43	12.36	11.28	10.24	9.55	9.03	8.56
225.0	15.85	14.69	13.68	12.71	11.68	10.55	9.78	9.27	8.78
247.5	16.22	14.92	13.83	12.83	11.75	10.63	9.88	9.31	8.81
270.0	16.08	14.92	13.74	12.74	11.70	10.56	9.84	9.29	8.79
292.5	16.22	14.92	13.83	12.83	11.75	10.63	9.88	9.31	8.81
315.0	15.85	14.69	13.68	12.71	11.68	10.55	9.78	9.27	8.78
337.5	17.10	14.75	13.43	12.36	11.28	10.24	9.55	9.03	8.56
360.0	16.36	14.31	13.20	12.19	11.08	10.09	9.36	8.87	8.42
C/ γ (°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	8.00	7.62	7.26	6.94	6.63	6.33	6.04	5.77	5.51
22.5	8.12	7.74	7.37	7.04	6.74	6.45	6.15	5.86	5.59
45.0	8.32	7.91	7.54	7.21	6.89	6.58	6.27	5.97	5.68
67.5	8.36	7.94	7.59	7.27	6.96	6.65	6.34	6.04	5.76
90.0	8.33	7.94	7.57	7.24	6.94	6.62	6.30	6.01	5.74
112.5	8.36	7.94	7.59	7.27	6.96	6.65	6.34	6.04	5.76
135.0	8.32	7.91	7.54	7.21	6.89	6.58	6.27	5.97	5.68
157.5	8.12	7.74	7.37	7.04	6.74	6.45	6.15	5.86	5.59
180.0	8.00	7.62	7.26	6.94	6.63	6.33	6.04	5.77	5.51
202.5	8.12	7.74	7.37	7.04	6.74	6.45	6.15	5.86	5.59
225.0	8.32	7.91	7.54	7.21	6.89	6.58	6.27	5.97	5.68
247.5	8.36	7.94	7.59	7.27	6.96	6.65	6.34	6.04	5.76
270.0	8.33	7.94	7.57	7.24	6.94	6.62	6.30	6.01	5.74
292.5	8.36	7.94	7.59	7.27	6.96	6.65	6.34	6.04	5.76
315.0	8.32	7.91	7.54	7.21	6.89	6.58	6.27	5.97	5.68
337.5	8.12	7.74	7.37	7.04	6.74	6.45	6.15	5.86	5.59
360.0	8.00	7.62	7.26	6.94	6.63	6.33	6.04	5.77	5.51

Intensity data(cd)										Appendix Page: 26 Total:35
C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	
0.0	5.29	5.11	4.94	4.77	4.57	4.35	4.14	3.98	3.84	
22.5	5.35	5.16	4.99	4.83	4.64	4.42	4.21	4.03	3.87	
45.0	5.44	5.25	5.08	4.91	4.71	4.49	4.27	4.08	3.92	
67.5	5.52	5.32	5.13	4.94	4.73	4.51	4.30	4.11	3.95	
90.0	5.51	5.32	5.13	4.95	4.74	4.52	4.31	4.12	3.96	
112.5	5.52	5.32	5.13	4.94	4.73	4.51	4.30	4.11	3.95	
135.0	5.44	5.25	5.08	4.91	4.71	4.49	4.27	4.08	3.92	
157.5	5.35	5.16	4.99	4.83	4.64	4.42	4.21	4.03	3.87	
180.0	5.29	5.11	4.94	4.77	4.57	4.35	4.14	3.98	3.84	
202.5	5.35	5.16	4.99	4.83	4.64	4.42	4.21	4.03	3.87	
225.0	5.44	5.25	5.08	4.91	4.71	4.49	4.27	4.08	3.92	
247.5	5.52	5.32	5.13	4.94	4.73	4.51	4.30	4.11	3.95	
270.0	5.51	5.32	5.13	4.95	4.74	4.52	4.31	4.12	3.96	
292.5	5.52	5.32	5.13	4.94	4.73	4.51	4.30	4.11	3.95	
315.0	5.44	5.25	5.08	4.91	4.71	4.49	4.27	4.08	3.92	
337.5	5.35	5.16	4.99	4.83	4.64	4.42	4.21	4.03	3.87	
360.0	5.29	5.11	4.94	4.77	4.57	4.35	4.14	3.98	3.84	
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	
0.0	3.70	3.55	3.37	3.17	2.97	2.78	2.61	2.47	2.35	
22.5	3.73	3.57	3.39	3.20	2.99	2.80	2.63	2.48	2.36	
45.0	3.77	3.61	3.44	3.25	3.02	2.81	2.64	2.50	2.38	
67.5	3.80	3.64	3.47	3.27	3.04	2.83	2.65	2.50	2.38	
90.0	3.83	3.66	3.48	3.28	3.06	2.84	2.67	2.52	2.39	
112.5	3.80	3.64	3.47	3.27	3.04	2.83	2.65	2.50	2.38	
135.0	3.77	3.61	3.44	3.25	3.02	2.81	2.64	2.50	2.38	
157.5	3.73	3.57	3.39	3.20	2.99	2.80	2.63	2.48	2.36	
180.0	3.70	3.55	3.37	3.17	2.97	2.78	2.61	2.47	2.35	
202.5	3.73	3.57	3.39	3.20	2.99	2.80	2.63	2.48	2.36	
225.0	3.77	3.61	3.44	3.25	3.02	2.81	2.64	2.50	2.38	
247.5	3.80	3.64	3.47	3.27	3.04	2.83	2.65	2.50	2.38	
270.0	3.83	3.66	3.48	3.28	3.06	2.84	2.67	2.52	2.39	
292.5	3.80	3.64	3.47	3.27	3.04	2.83	2.65	2.50	2.38	
315.0	3.77	3.61	3.44	3.25	3.02	2.81	2.64	2.50	2.38	
337.5	3.73	3.57	3.39	3.20	2.99	2.80	2.63	2.48	2.36	
360.0	3.70	3.55	3.37	3.17	2.97	2.78	2.61	2.47	2.35	
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	
0.0	2.22	2.07	1.92	1.80	1.69	1.61	1.53	1.44	1.35	
22.5	2.22	2.07	1.93	1.80	1.70	1.62	1.54	1.45	1.37	
45.0	2.25	2.08	1.92	1.80	1.71	1.63	1.55	1.47	1.37	
67.5	2.25	2.09	1.93	1.81	1.73	1.64	1.55	1.47	1.37	
90.0	2.26	2.09	1.93	1.82	1.73	1.65	1.56	1.48	1.38	
112.5	2.25	2.09	1.93	1.81	1.73	1.64	1.55	1.47	1.37	
135.0	2.25	2.08	1.92	1.80	1.71	1.63	1.55	1.47	1.37	
157.5	2.22	2.07	1.93	1.80	1.70	1.62	1.54	1.45	1.37	
180.0	2.22	2.07	1.92	1.80	1.69	1.61	1.53	1.44	1.35	
202.5	2.22	2.07	1.93	1.80	1.70	1.62	1.54	1.45	1.37	
225.0	2.25	2.08	1.92	1.80	1.71	1.63	1.55	1.47	1.37	
247.5	2.25	2.09	1.93	1.81	1.73	1.64	1.55	1.47	1.37	
270.0	2.26	2.09	1.93	1.82	1.73	1.65	1.56	1.48	1.38	
292.5	2.25	2.09	1.93	1.81	1.73	1.64	1.55	1.47	1.37	
315.0	2.25	2.08	1.92	1.80	1.71	1.63	1.55	1.47	1.37	
337.5	2.22	2.07	1.93	1.80	1.70	1.62	1.54	1.45	1.37	
360.0	2.22	2.07	1.92	1.80	1.69	1.61	1.53	1.44	1.35	

C/ $\gamma(^{\circ})$	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	1.28	1.22	1.15	1.08	0.99	0.90	0.82	0.75	0.70
22.5	1.29	1.22	1.16	1.08	0.99	0.90	0.82	0.75	0.70
45.0	1.27	1.20	1.14	1.08	1.00	0.90	0.81	0.74	0.69
67.5	1.28	1.21	1.16	1.10	1.01	0.91	0.82	0.75	0.70
90.0	1.28	1.22	1.17	1.10	1.01	0.92	0.82	0.76	0.71
112.5	1.28	1.21	1.16	1.10	1.01	0.91	0.82	0.75	0.70
135.0	1.27	1.20	1.14	1.08	1.00	0.90	0.81	0.74	0.69
157.5	1.29	1.22	1.16	1.08	0.99	0.90	0.82	0.75	0.70
180.0	1.28	1.22	1.15	1.08	0.99	0.90	0.82	0.75	0.70
202.5	1.29	1.22	1.16	1.08	0.99	0.90	0.82	0.75	0.70
225.0	1.27	1.20	1.14	1.08	1.00	0.90	0.81	0.74	0.69
247.5	1.28	1.21	1.16	1.10	1.01	0.91	0.82	0.75	0.70
270.0	1.28	1.22	1.17	1.10	1.01	0.92	0.82	0.76	0.71
292.5	1.28	1.21	1.16	1.10	1.01	0.91	0.82	0.75	0.70
315.0	1.27	1.20	1.14	1.08	1.00	0.90	0.81	0.74	0.69
337.5	1.29	1.22	1.16	1.08	0.99	0.90	0.82	0.75	0.70
360.0	1.28	1.22	1.15	1.08	0.99	0.90	0.82	0.75	0.70

C/ $\gamma(^{\circ})$	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
22.5	0.65	0.60	0.54	0.49	0.44	0.40	0.36	0.32	0.29
45.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
67.5	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
90.0	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
112.5	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
135.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
157.5	0.65	0.60	0.54	0.49	0.44	0.40	0.36	0.32	0.29
180.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
202.5	0.65	0.60	0.54	0.49	0.44	0.40	0.36	0.32	0.29
225.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
247.5	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
270.0	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
292.5	0.66	0.61	0.55	0.49	0.44	0.40	0.36	0.33	0.29
315.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29
337.5	0.65	0.60	0.54	0.49	0.44	0.40	0.36	0.32	0.29
360.0	0.65	0.60	0.54	0.48	0.43	0.39	0.36	0.32	0.29

C/ $\gamma(^{\circ})$	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	0.25	0.22	0.19	0.16	0.12	0.08	0.04	0.02	0.02
22.5	0.25	0.22	0.19	0.15	0.12	0.08	0.04	0.02	0.02
45.0	0.25	0.21	0.18	0.15	0.11	0.06	0.04	0.02	0.02
67.5	0.25	0.22	0.19	0.15	0.11	0.06	0.04	0.03	0.02
90.0	0.25	0.22	0.19	0.16	0.12	0.06	0.04	0.03	0.02
112.5	0.25	0.22	0.19	0.15	0.11	0.06	0.04	0.03	0.02
135.0	0.25	0.21	0.18	0.15	0.11	0.06	0.04	0.02	0.02
157.5	0.25	0.22	0.19	0.15	0.12	0.08	0.04	0.02	0.02
180.0	0.25	0.22	0.19	0.16	0.12	0.08	0.04	0.02	0.02
202.5	0.25	0.22	0.19	0.15	0.12	0.08	0.04	0.02	0.02
225.0	0.25	0.21	0.18	0.15	0.11	0.06	0.04	0.02	0.02
247.5	0.25	0.22	0.19	0.15	0.11	0.06	0.04	0.03	0.02
270.0	0.25	0.22	0.19	0.16	0.12	0.06	0.04	0.03	0.02
292.5	0.25	0.22	0.19	0.15	0.11	0.06	0.04	0.03	0.02
315.0	0.25	0.21	0.18	0.15	0.11	0.06	0.04	0.02	0.02
337.5	0.25	0.22	0.19	0.15	0.12	0.08	0.04	0.02	0.02
360.0	0.25	0.22	0.19	0.16	0.12	0.08	0.04	0.02	0.02

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Intensity data(cd)										Appendix Page: 29 Total:35	
C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5		
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0		
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5		
0.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
180.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
202.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02		

C/ $\gamma(^{\circ})$	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
22.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
45.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
67.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
112.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
135.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
157.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
180.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
202.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
225.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
247.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
270.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
292.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
315.0	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
337.5	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
360.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
C/ $\gamma(^{\circ})$	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
22.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
45.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
67.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
90.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
112.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
135.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
157.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
180.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
202.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
225.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
247.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
270.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
292.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
315.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
337.5	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
360.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
C/ $\gamma(^{\circ})$	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
22.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
45.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
67.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
90.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
112.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
135.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
157.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
180.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
202.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
225.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
247.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
270.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
292.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
315.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
337.5	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
360.0	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08

C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
22.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
45.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
67.5	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
90.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
112.5	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
135.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
157.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
180.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
202.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
225.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
247.5	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
270.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
292.5	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
315.0	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13
337.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
360.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	0.14	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20
22.5	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20
45.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
67.5	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
90.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
112.5	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
135.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
157.5	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20
180.0	0.14	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20
202.5	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20
225.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
247.5	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
270.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
292.5	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
315.0	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19
337.5	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20
360.0	0.14	0.14	0.15	0.16	0.17	0.18	0.19	0.19	0.20
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	0.21	0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.33
22.5	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30	0.32
45.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
67.5	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
90.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
112.5	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
135.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
157.5	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30	0.32
180.0	0.21	0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.33
202.5	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30	0.32
225.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
247.5	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
270.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
292.5	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
315.0	0.20	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29
337.5	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.30	0.32
360.0	0.21	0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.33

C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	0.34	0.36	0.38	0.41	0.43	0.46	0.49	0.52	0.55
22.5	0.34	0.35	0.37	0.39	0.42	0.44	0.47	0.50	0.53
45.0	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
67.5	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
90.0	0.30	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45
112.5	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
135.0	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
157.5	0.34	0.35	0.37	0.39	0.42	0.44	0.47	0.50	0.53
180.0	0.34	0.36	0.38	0.41	0.43	0.46	0.49	0.52	0.55
202.5	0.34	0.35	0.37	0.39	0.42	0.44	0.47	0.50	0.53
225.0	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
247.5	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
270.0	0.30	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45
292.5	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
315.0	0.31	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45
337.5	0.34	0.35	0.37	0.39	0.42	0.44	0.47	0.50	0.53
360.0	0.34	0.36	0.38	0.41	0.43	0.46	0.49	0.52	0.55
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	0.59	0.62	0.67	0.72	0.77	0.83	0.90	0.98	1.08
22.5	0.56	0.60	0.64	0.68	0.73	0.79	0.85	0.92	1.01
45.0	0.48	0.50	0.53	0.56	0.60	0.63	0.67	0.72	0.76
67.5	0.48	0.50	0.53	0.56	0.59	0.63	0.66	0.71	0.75
90.0	0.48	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74
112.5	0.48	0.50	0.53	0.56	0.59	0.63	0.66	0.71	0.75
135.0	0.48	0.50	0.53	0.56	0.60	0.63	0.67	0.72	0.76
157.5	0.56	0.60	0.64	0.68	0.73	0.79	0.85	0.92	1.01
180.0	0.59	0.62	0.67	0.72	0.77	0.83	0.90	0.98	1.08
202.5	0.56	0.60	0.64	0.68	0.73	0.79	0.85	0.92	1.01
225.0	0.48	0.50	0.53	0.56	0.60	0.63	0.67	0.72	0.76
247.5	0.48	0.50	0.53	0.56	0.59	0.63	0.66	0.71	0.75
270.0	0.48	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74
292.5	0.48	0.50	0.53	0.56	0.59	0.63	0.66	0.71	0.75
315.0	0.48	0.50	0.53	0.56	0.60	0.63	0.67	0.72	0.76
337.5	0.56	0.60	0.64	0.68	0.73	0.79	0.85	0.92	1.01
360.0	0.59	0.62	0.67	0.72	0.77	0.83	0.90	0.98	1.08
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	1.19	1.31	1.43	1.55	1.67	1.77	1.86	1.94	2.00
22.5	1.10	1.21	1.33	1.44	1.55	1.65	1.74	1.81	1.88
45.0	0.82	0.88	0.95	1.03	1.11	1.20	1.28	1.36	1.45
67.5	0.80	0.86	0.92	1.00	1.08	1.17	1.27	1.37	1.47
90.0	0.79	0.85	0.91	0.98	1.06	1.15	1.25	1.36	1.47
112.5	0.80	0.86	0.92	1.00	1.08	1.17	1.27	1.37	1.47
135.0	0.82	0.88	0.95	1.03	1.11	1.20	1.28	1.36	1.45
157.5	1.10	1.21	1.33	1.44	1.55	1.65	1.74	1.81	1.88
180.0	1.19	1.31	1.43	1.55	1.67	1.77	1.86	1.94	2.00
202.5	1.10	1.21	1.33	1.44	1.55	1.65	1.74	1.81	1.88
225.0	0.82	0.88	0.95	1.03	1.11	1.20	1.28	1.36	1.45
247.5	0.80	0.86	0.92	1.00	1.08	1.17	1.27	1.37	1.47
270.0	0.79	0.85	0.91	0.98	1.06	1.15	1.25	1.36	1.47
292.5	0.80	0.86	0.92	1.00	1.08	1.17	1.27	1.37	1.47
315.0	0.82	0.88	0.95	1.03	1.11	1.20	1.28	1.36	1.45
337.5	1.10	1.21	1.33	1.44	1.55	1.65	1.74	1.81	1.88
360.0	1.19	1.31	1.43	1.55	1.67	1.77	1.86	1.94	2.00

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	2.06	2.11	2.15	2.19	2.23	2.26	2.28	2.30	2.32
22.5	1.94	1.99	2.03	2.07	2.11	2.14	2.17	2.19	2.21
45.0	1.53	1.60	1.68	1.74	1.80	1.86	1.90	1.94	1.97
67.5	1.57	1.66	1.74	1.81	1.88	1.93	1.98	2.02	2.05
90.0	1.57	1.67	1.75	1.82	1.88	1.93	1.98	2.02	2.05
112.5	1.57	1.66	1.74	1.81	1.88	1.93	1.98	2.02	2.05
135.0	1.53	1.60	1.68	1.74	1.80	1.86	1.90	1.94	1.97
157.5	1.94	1.99	2.03	2.07	2.11	2.14	2.17	2.19	2.21
180.0	2.06	2.11	2.15	2.19	2.23	2.26	2.28	2.30	2.32
202.5	1.94	1.99	2.03	2.07	2.11	2.14	2.17	2.19	2.21
225.0	1.53	1.60	1.68	1.74	1.80	1.86	1.90	1.94	1.97
247.5	1.57	1.66	1.74	1.81	1.88	1.93	1.98	2.02	2.05
270.0	1.57	1.67	1.75	1.82	1.88	1.93	1.98	2.02	2.05
292.5	1.57	1.66	1.74	1.81	1.88	1.93	1.98	2.02	2.05
315.0	1.53	1.60	1.68	1.74	1.80	1.86	1.90	1.94	1.97
337.5	1.94	1.99	2.03	2.07	2.11	2.14	2.17	2.19	2.21
360.0	2.06	2.11	2.15	2.19	2.23	2.26	2.28	2.30	2.32
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	2.34	2.36	2.37	2.38	2.39	2.40	2.40	2.41	2.41
22.5	2.23	2.24	2.25	2.26	2.27	2.28	2.28	2.28	2.28
45.0	2.00	2.02	2.04	2.06	2.08	2.09	2.10	2.11	2.12
67.5	2.09	2.11	2.14	2.16	2.18	2.19	2.21	2.22	2.23
90.0	2.08	2.11	2.13	2.15	2.17	2.19	2.20	2.21	2.22
112.5	2.09	2.11	2.14	2.16	2.18	2.19	2.21	2.22	2.23
135.0	2.00	2.02	2.04	2.06	2.08	2.09	2.10	2.11	2.12
157.5	2.23	2.24	2.25	2.26	2.27	2.28	2.28	2.28	2.28
180.0	2.34	2.36	2.37	2.38	2.39	2.40	2.40	2.41	2.41
202.5	2.23	2.24	2.25	2.26	2.27	2.28	2.28	2.28	2.28
225.0	2.00	2.02	2.04	2.06	2.08	2.09	2.10	2.11	2.12
247.5	2.09	2.11	2.14	2.16	2.18	2.19	2.21	2.22	2.23
270.0	2.08	2.11	2.13	2.15	2.17	2.19	2.20	2.21	2.22
292.5	2.09	2.11	2.14	2.16	2.18	2.19	2.21	2.22	2.23
315.0	2.00	2.02	2.04	2.06	2.08	2.09	2.10	2.11	2.12
337.5	2.23	2.24	2.25	2.26	2.27	2.28	2.28	2.28	2.28
360.0	2.34	2.36	2.37	2.38	2.39	2.40	2.40	2.41	2.41
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	2.41	2.40	2.40	2.39	2.38	2.36	2.35	2.32	2.29
22.5	2.28	2.28	2.27	2.26	2.25	2.24	2.22	2.19	2.17
45.0	2.12	2.12	2.12	2.12	2.12	2.12	2.11	2.10	2.08
67.5	2.24	2.24	2.25	2.25	2.25	2.25	2.25	2.24	2.24
90.0	2.23	2.24	2.24	2.25	2.25	2.25	2.25	2.24	2.23
112.5	2.24	2.24	2.25	2.25	2.25	2.25	2.25	2.24	2.24
135.0	2.12	2.12	2.12	2.12	2.12	2.12	2.11	2.10	2.08
157.5	2.28	2.28	2.27	2.26	2.25	2.24	2.22	2.19	2.17
180.0	2.41	2.40	2.40	2.39	2.38	2.36	2.35	2.32	2.29
202.5	2.28	2.28	2.27	2.26	2.25	2.24	2.22	2.19	2.17
225.0	2.12	2.12	2.12	2.12	2.12	2.12	2.11	2.10	2.08
247.5	2.24	2.24	2.25	2.25	2.25	2.25	2.25	2.24	2.24
270.0	2.23	2.24	2.24	2.25	2.25	2.25	2.25	2.24	2.23
292.5	2.24	2.24	2.25	2.25	2.25	2.25	2.25	2.24	2.24
315.0	2.12	2.12	2.12	2.12	2.12	2.12	2.11	2.10	2.08
337.5	2.28	2.28	2.27	2.26	2.25	2.24	2.22	2.19	2.17
360.0	2.41	2.40	2.40	2.39	2.38	2.36	2.35	2.32	2.29

C/ $\gamma(^{\circ})$	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	2.26	2.23	2.18	2.13	2.08	2.02	1.95	1.86	1.77
22.5	2.14	2.10	2.06	2.02	1.96	1.91	1.84	1.77	1.68
45.0	2.06	2.04	2.02	1.99	1.96	1.92	1.88	1.83	1.78
67.5	2.22	2.21	2.19	2.17	2.14	2.11	2.07	2.03	1.98
90.0	2.22	2.21	2.19	2.16	2.14	2.11	2.07	2.03	1.98
112.5	2.22	2.21	2.19	2.17	2.14	2.11	2.07	2.03	1.98
135.0	2.06	2.04	2.02	1.99	1.96	1.92	1.88	1.83	1.78
157.5	2.14	2.10	2.06	2.02	1.96	1.91	1.84	1.77	1.68
180.0	2.26	2.23	2.18	2.13	2.08	2.02	1.95	1.86	1.77
202.5	2.14	2.10	2.06	2.02	1.96	1.91	1.84	1.77	1.68
225.0	2.06	2.04	2.02	1.99	1.96	1.92	1.88	1.83	1.78
247.5	2.22	2.21	2.19	2.17	2.14	2.11	2.07	2.03	1.98
270.0	2.22	2.21	2.19	2.16	2.14	2.11	2.07	2.03	1.98
292.5	2.22	2.21	2.19	2.17	2.14	2.11	2.07	2.03	1.98
315.0	2.06	2.04	2.02	1.99	1.96	1.92	1.88	1.83	1.78
337.5	2.14	2.10	2.06	2.02	1.96	1.91	1.84	1.77	1.68
360.0	2.26	2.23	2.18	2.13	2.08	2.02	1.95	1.86	1.77
C/ $\gamma(^{\circ})$	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	1.67	1.55	1.43	1.32	1.23	1.14	1.07	1.00	0.94
22.5	1.59	1.49	1.38	1.28	1.18	1.10	1.03	0.96	0.90
45.0	1.72	1.65	1.58	1.50	1.41	1.32	1.24	1.16	1.08
67.5	1.93	1.87	1.80	1.72	1.64	1.54	1.44	1.34	1.24
90.0	1.93	1.87	1.80	1.73	1.64	1.55	1.45	1.34	1.23
112.5	1.93	1.87	1.80	1.72	1.64	1.54	1.44	1.34	1.24
135.0	1.72	1.65	1.58	1.50	1.41	1.32	1.24	1.16	1.08
157.5	1.59	1.49	1.38	1.28	1.18	1.10	1.03	0.96	0.90
180.0	1.67	1.55	1.43	1.32	1.23	1.14	1.07	1.00	0.94
202.5	1.59	1.49	1.38	1.28	1.18	1.10	1.03	0.96	0.90
225.0	1.72	1.65	1.58	1.50	1.41	1.32	1.24	1.16	1.08
247.5	1.93	1.87	1.80	1.72	1.64	1.54	1.44	1.34	1.24
270.0	1.93	1.87	1.80	1.73	1.64	1.55	1.45	1.34	1.23
292.5	1.93	1.87	1.80	1.72	1.64	1.54	1.44	1.34	1.24
315.0	1.72	1.65	1.58	1.50	1.41	1.32	1.24	1.16	1.08
337.5	1.59	1.49	1.38	1.28	1.18	1.10	1.03	0.96	0.90
360.0	1.67	1.55	1.43	1.32	1.23	1.14	1.07	1.00	0.94
C/ $\gamma(^{\circ})$	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.88	0.83	0.79	0.75	0.71	0.68	0.65	0.62	0.60
22.5	0.84	0.79	0.74	0.70	0.66	0.63	0.59	0.57	0.54
45.0	1.00	0.93	0.86	0.80	0.75	0.71	0.67	0.63	0.60
67.5	1.15	1.07	0.99	0.93	0.87	0.82	0.78	0.74	0.71
90.0	1.14	1.06	0.98	0.92	0.86	0.82	0.77	0.73	0.70
112.5	1.15	1.07	0.99	0.93	0.87	0.82	0.78	0.74	0.71
135.0	1.00	0.93	0.86	0.80	0.75	0.71	0.67	0.63	0.60
157.5	0.84	0.79	0.74	0.70	0.66	0.63	0.59	0.57	0.54
180.0	0.88	0.83	0.79	0.75	0.71	0.68	0.65	0.62	0.60
202.5	0.84	0.79	0.74	0.70	0.66	0.63	0.59	0.57	0.54
225.0	1.00	0.93	0.86	0.80	0.75	0.71	0.67	0.63	0.60
247.5	1.15	1.07	0.99	0.93	0.87	0.82	0.78	0.74	0.71
270.0	1.14	1.06	0.98	0.92	0.86	0.82	0.77	0.73	0.70
292.5	1.15	1.07	0.99	0.93	0.87	0.82	0.78	0.74	0.71
315.0	1.00	0.93	0.86	0.80	0.75	0.71	0.67	0.63	0.60
337.5	0.84	0.79	0.74	0.70	0.66	0.63	0.59	0.57	0.54
360.0	0.88	0.83	0.79	0.75	0.71	0.68	0.65	0.62	0.60

Intensity data(cd)									Appendix Page: 35 Total:35
C/ γ (°)	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5
0.0	0.58	0.56	0.54	0.52	0.51	0.50	0.48	0.47	0.46
22.5	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.47	0.47
45.0	0.57	0.55	0.53	0.51	0.50	0.50	0.50	0.47	0.47
67.5	0.68	0.65	0.61	0.58	0.56	0.54	0.51	0.47	0.46
90.0	0.67	0.65	0.63	0.61	0.60	0.57	0.52	0.47	0.46
112.5	0.68	0.65	0.61	0.58	0.56	0.54	0.51	0.47	0.46
135.0	0.57	0.55	0.53	0.51	0.50	0.50	0.50	0.47	0.47
157.5	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.47	0.47
180.0	0.58	0.56	0.54	0.52	0.51	0.50	0.48	0.47	0.46
202.5	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.47	0.47
225.0	0.57	0.55	0.53	0.51	0.50	0.50	0.50	0.47	0.47
247.5	0.68	0.65	0.61	0.58	0.56	0.54	0.51	0.47	0.46
270.0	0.67	0.65	0.63	0.61	0.60	0.57	0.52	0.47	0.46
292.5	0.68	0.65	0.61	0.58	0.56	0.54	0.51	0.47	0.46
315.0	0.57	0.55	0.53	0.51	0.50	0.50	0.50	0.47	0.47
337.5	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.47	0.47
360.0	0.58	0.56	0.54	0.52	0.51	0.50	0.48	0.47	0.46
C/ γ (°)	180.0								
0.0	0.46								
22.5	0.46								
45.0	0.46								
67.5	0.46								
90.0	0.46								
112.5	0.46								
135.0	0.46								
157.5	0.46								
180.0	0.46								
202.5	0.46								
225.0	0.46								
247.5	0.46								
270.0	0.46								
292.5	0.46								
315.0	0.46								
337.5	0.46								
360.0	0.46								