

Report No	:		Voltage	:	V
Test No	:	A2205998A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	14.000 W
Luminaire	:	0017440092 LUMIK01& 0017440095 LUMIK04 14W 3000K 1050lm	PF	:	
LampCAT	:		Ballast type	:	
Lamp flux	:	1100.0 lm	Width	:	-55 mm
Number of Lamps	:	1	Length	:	-55 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	1100.00	Central intensity(cd)	:	2329.448
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2329.448
Luminous Efficacy(lm/W)	:	78.57	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	2329.448	0.000	0	0.00%	0.00%
0.5	2326.931	0.557	0.557	0.05%	0.05%
1.0	2323.193	1.669	2.226	0.15%	0.20%
1.5	2317.612	2.776	5.001	0.25%	0.45%
2.0	2309.379	3.874	8.875	0.35%	0.81%
2.5	2298.133	4.959	13.834	0.45%	1.26%
3.0	2284.153	6.027	19.862	0.55%	1.81%
3.5	2267.876	7.075	26.937	0.64%	2.45%
4.0	2248.977	8.099	35.036	0.74%	3.19%
4.5	2227.511	9.095	44.131	0.83%	4.01%
5.0	2203.259	10.059	54.189	0.91%	4.93%
5.5	2176.261	10.986	65.176	1.00%	5.93%
6.0	2146.353	11.873	77.049	1.08%	7.00%
6.5	2113.913	12.715	89.764	1.16%	8.16%
7.0	2079.023	13.511	103.275	1.23%	9.39%
7.5	2041.841	14.257	117.532	1.30%	10.68%
8.0	2002.570	14.952	132.485	1.36%	12.04%
8.5	1961.482	15.594	148.079	1.42%	13.46%
9.0	1918.608	16.182	164.261	1.47%	14.93%
9.5	1874.093	16.714	180.975	1.52%	16.45%
10.0	1828.307	17.189	198.164	1.56%	18.01%
10.5	1781.593	17.611	215.775	1.60%	19.62%
11.0	1734.110	17.978	233.753	1.63%	21.25%
11.5	1686.226	18.294	252.047	1.66%	22.91%
12.0	1638.439	18.561	270.608	1.69%	24.60%
12.5	1590.992	18.785	289.393	1.71%	26.31%
13.0	1544.425	18.971	308.364	1.72%	28.03%
13.5	1498.679	19.122	327.486	1.74%	29.77%
14.0	1453.842	19.239	346.726	1.75%	31.52%
14.5	1409.747	19.325	366.05	1.76%	33.28%
15.0	1366.557	19.379	385.429	1.76%	35.04%
15.5	1324.613	19.406	404.835	1.76%	36.80%
16.0	1283.836	19.411	424.247	1.76%	38.57%
16.5	1244.305	19.395	443.642	1.76%	40.33%
17.0	1205.879	19.359	463.001	1.76%	42.09%
17.5	1168.668	19.305	482.305	1.75%	43.85%
18.0	1132.808	19.236	501.541	1.75%	45.59%
18.5	1098.959	19.161	520.702	1.74%	47.34%

Equipment: GMS-1800
Temperature($^{\circ}$ 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	1067.011	19.087	539.789	1.74%	49.07%
19.5	1037.583	19.023	558.812	1.73%	50.80%
20.0	1010.367	18.973	577.784	1.72%	52.53%
20.5	984.954	18.934	596.718	1.72%	54.25%
21.0	960.475	18.896	615.614	1.72%	55.96%
21.5	936.715	18.851	634.465	1.71%	57.68%
22.0	913.306	18.794	653.26	1.71%	59.39%
22.5	890.204	18.722	671.982	1.70%	61.09%
23.0	866.545	18.625	690.606	1.69%	62.78%
23.5	841.505	18.485	709.091	1.68%	64.46%
24.0	814.917	18.289	727.38	1.66%	66.13%
24.5	787.243	18.040	745.421	1.64%	67.77%
25.0	759.068	17.748	763.169	1.61%	69.38%
25.5	730.549	17.420	780.59	1.58%	70.96%
26.0	701.646	17.058	797.648	1.55%	72.51%
26.5	672.110	16.658	814.305	1.51%	74.03%
27.0	642.123	16.217	830.522	1.47%	75.50%
27.5	612.141	15.745	846.267	1.43%	76.93%
28.0	582.529	15.250	861.517	1.39%	78.32%
28.5	553.164	14.737	876.254	1.34%	79.66%
29.0	524.135	14.206	890.46	1.29%	80.95%
29.5	495.437	13.658	904.118	1.24%	82.19%
30.0	467.177	13.095	917.213	1.19%	83.38%
30.5	439.231	12.519	929.732	1.14%	84.52%
31.0	411.574	11.926	941.658	1.08%	85.61%
31.5	384.194	11.318	952.976	1.03%	86.63%
32.0	357.786	10.704	963.68	0.97%	87.61%
32.5	332.419	10.097	973.777	0.92%	88.53%
33.0	307.765	9.495	983.272	0.86%	89.39%
33.5	283.786	8.892	992.164	0.81%	90.20%
34.0	260.685	8.293	1000.457	0.75%	90.95%
34.5	239.070	7.711	1008.168	0.70%	91.65%
35.0	219.345	7.164	1015.331	0.65%	92.30%
35.5	201.451	6.658	1021.989	0.61%	92.91%
36.0	185.565	6.199	1028.188	0.56%	93.47%
36.5	171.619	5.790	1033.979	0.53%	94.00%
37.0	159.772	5.436	1039.415	0.49%	94.49%
37.5	149.906	5.139	1044.553	0.47%	94.96%

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

Date:
Humidity(%): 55.3%

Operator: CWR

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	141.074	4.884	1049.437	0.44%	95.40%
38.5	132.367	4.641	1054.078	0.42%	95.83%
39.0	123.500	4.391	1058.469	0.40%	96.22%
39.5	114.194	4.123	1062.592	0.37%	96.60%
40.0	104.167	3.828	1066.42	0.35%	96.95%
40.5	93.498	3.501	1069.921	0.32%	97.27%
41.0	82.466	3.149	1073.07	0.29%	97.55%
41.5	70.822	2.771	1075.841	0.25%	97.80%
42.0	58.314	2.357	1078.199	0.21%	98.02%
42.5	45.168	1.908	1080.106	0.17%	98.19%
43.0	34.665	1.486	1081.592	0.14%	98.33%
43.5	27.682	1.171	1082.763	0.11%	98.43%
44.0	23.196	0.965	1083.728	0.09%	98.52%
44.5	19.828	0.823	1084.551	0.07%	98.60%
45.0	17.128	0.713	1085.264	0.06%	98.66%
45.5	15.446	0.634	1085.898	0.06%	98.72%
46.0	14.250	0.583	1086.481	0.05%	98.77%
46.5	13.191	0.543	1087.025	0.05%	98.82%
47.0	12.072	0.504	1087.529	0.05%	98.87%
47.5	10.933	0.463	1087.992	0.04%	98.91%
48.0	10.164	0.428	1088.421	0.04%	98.95%
48.5	9.608	0.404	1088.825	0.04%	98.98%
49.0	9.101	0.386	1089.211	0.04%	99.02%
49.5	8.634	0.368	1089.579	0.03%	99.05%
50.0	8.213	0.353	1089.931	0.03%	99.08%
50.5	7.836	0.338	1090.27	0.03%	99.12%
51.0	7.492	0.325	1090.595	0.03%	99.15%
51.5	7.170	0.313	1090.909	0.03%	99.17%
52.0	6.848	0.302	1091.21	0.03%	99.20%
52.5	6.527	0.290	1091.5	0.03%	99.23%
53.0	6.223	0.278	1091.779	0.03%	99.25%
53.5	5.936	0.267	1092.046	0.02%	99.28%
54.0	5.687	0.257	1092.303	0.02%	99.30%
54.5	5.484	0.249	1092.551	0.02%	99.32%
55.0	5.301	0.241	1092.793	0.02%	99.34%
55.5	5.116	0.235	1093.027	0.02%	99.37%
56.0	4.905	0.227	1093.254	0.02%	99.39%
56.5	4.676	0.218	1093.473	0.02%	99.41%

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

Date:
Humidity(%): 55.3%

Operator: CWR

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	4.454	0.209	1093.682	0.02%	99.43%
57.5	4.259	0.201	1093.883	0.02%	99.44%
58.0	4.096	0.194	1094.077	0.02%	99.46%
58.5	3.945	0.187	1094.264	0.02%	99.48%
59.0	3.778	0.181	1094.445	0.02%	99.50%
59.5	3.594	0.174	1094.619	0.02%	99.51%
60.0	3.389	0.165	1094.784	0.02%	99.53%
60.5	3.162	0.156	1094.94	0.01%	99.54%
61.0	2.944	0.146	1095.086	0.01%	99.55%
61.5	2.763	0.137	1095.223	0.01%	99.57%
62.0	2.615	0.130	1095.353	0.01%	99.58%
62.5	2.484	0.124	1095.477	0.01%	99.59%
63.0	2.346	0.118	1095.595	0.01%	99.60%
63.5	2.181	0.111	1095.705	0.01%	99.61%
64.0	2.016	0.103	1095.809	0.01%	99.62%
64.5	1.890	0.096	1095.905	0.01%	99.63%
65.0	1.795	0.091	1095.996	0.01%	99.64%
65.5	1.707	0.087	1096.084	0.01%	99.64%
66.0	1.619	0.083	1096.167	0.01%	99.65%
66.5	1.531	0.079	1096.246	0.01%	99.66%
67.0	1.432	0.075	1096.32	0.01%	99.67%
67.5	1.340	0.070	1096.391	0.01%	99.67%
68.0	1.271	0.066	1096.457	0.01%	99.68%
68.5	1.209	0.063	1096.52	0.01%	99.68%
69.0	1.138	0.060	1096.58	0.01%	99.69%
69.5	1.048	0.056	1096.636	0.01%	99.69%
70.0	0.950	0.051	1096.687	0.00%	99.70%
70.5	0.858	0.047	1096.734	0.00%	99.70%
71.0	0.787	0.043	1096.777	0.00%	99.71%
71.5	0.733	0.039	1096.816	0.00%	99.71%
72.0	0.683	0.037	1096.853	0.00%	99.71%
72.5	0.629	0.034	1096.887	0.00%	99.72%
73.0	0.570	0.031	1096.919	0.00%	99.72%
73.5	0.509	0.028	1096.947	0.00%	99.72%
74.0	0.457	0.025	1096.972	0.00%	99.72%
74.5	0.414	0.023	1096.995	0.00%	99.73%
75.0	0.376	0.021	1097.016	0.00%	99.73%
75.5	0.340	0.019	1097.035	0.00%	99.73%

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

Date:
Humidity(%): 55.3%

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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	0.303	0.017	1097.052	0.00%	99.73%
76.5	0.263	0.015	1097.067	0.00%	99.73%
77.0	0.226	0.013	1097.08	0.00%	99.73%
77.5	0.194	0.011	1097.092	0.00%	99.74%
78.0	0.161	0.010	1097.101	0.00%	99.74%
78.5	0.121	0.008	1097.109	0.00%	99.74%
79.0	0.071	0.005	1097.114	0.00%	99.74%
79.5	0.040	0.003	1097.117	0.00%	99.74%
80.0	0.026	0.002	1097.119	0.00%	99.74%
80.5	0.018	0.001	1097.12	0.00%	99.74%
81.0	0.012	0.001	1097.12	0.00%	99.74%
81.5	0.008	0.001	1097.121	0.00%	99.74%
82.0	0.007	0.000	1097.121	0.00%	99.74%
82.5	0.007	0.000	1097.122	0.00%	99.74%
83.0	0.007	0.000	1097.122	0.00%	99.74%
83.5	0.007	0.000	1097.123	0.00%	99.74%
84.0	0.006	0.000	1097.123	0.00%	99.74%
84.5	0.006	0.000	1097.123	0.00%	99.74%
85.0	0.006	0.000	1097.124	0.00%	99.74%
85.5	0.006	0.000	1097.124	0.00%	99.74%
86.0	0.006	0.000	1097.124	0.00%	99.74%
86.5	0.006	0.000	1097.125	0.00%	99.74%
87.0	0.006	0.000	1097.125	0.00%	99.74%
87.5	0.005	0.000	1097.125	0.00%	99.74%
88.0	0.005	0.000	1097.126	0.00%	99.74%
88.5	0.005	0.000	1097.126	0.00%	99.74%
89.0	0.005	0.000	1097.126	0.00%	99.74%
89.5	0.005	0.000	1097.126	0.00%	99.74%
90.0	0.005	0.000	1097.127	0.00%	99.74%
90.5	0.005	0.000	1097.127	0.00%	99.74%
91.0	0.005	0.000	1097.127	0.00%	99.74%
91.5	0.005	0.000	1097.127	0.00%	99.74%
92.0	0.005	0.000	1097.128	0.00%	99.74%
92.5	0.005	0.000	1097.128	0.00%	99.74%
93.0	0.005	0.000	1097.128	0.00%	99.74%
93.5	0.006	0.000	1097.129	0.00%	99.74%
94.0	0.006	0.000	1097.129	0.00%	99.74%
94.5	0.006	0.000	1097.129	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	1097.13	0.00%	99.74%
95.5	0.006	0.000	1097.13	0.00%	99.74%
96.0	0.006	0.000	1097.13	0.00%	99.74%
96.5	0.006	0.000	1097.131	0.00%	99.74%
97.0	0.006	0.000	1097.131	0.00%	99.74%
97.5	0.006	0.000	1097.131	0.00%	99.74%
98.0	0.007	0.000	1097.132	0.00%	99.74%
98.5	0.007	0.000	1097.132	0.00%	99.74%
99.0	0.007	0.000	1097.132	0.00%	99.74%
99.5	0.007	0.000	1097.133	0.00%	99.74%
100.0	0.008	0.000	1097.133	0.00%	99.74%
100.5	0.008	0.000	1097.134	0.00%	99.74%
101.0	0.008	0.000	1097.134	0.00%	99.74%
101.5	0.009	0.000	1097.134	0.00%	99.74%
102.0	0.009	0.000	1097.135	0.00%	99.74%
102.5	0.010	0.000	1097.135	0.00%	99.74%
103.0	0.010	0.001	1097.136	0.00%	99.74%
103.5	0.011	0.001	1097.137	0.00%	99.74%
104.0	0.012	0.001	1097.137	0.00%	99.74%
104.5	0.013	0.001	1097.138	0.00%	99.74%
105.0	0.013	0.001	1097.138	0.00%	99.74%
105.5	0.014	0.001	1097.139	0.00%	99.74%
106.0	0.015	0.001	1097.14	0.00%	99.74%
106.5	0.016	0.001	1097.141	0.00%	99.74%
107.0	0.016	0.001	1097.142	0.00%	99.74%
107.5	0.017	0.001	1097.142	0.00%	99.74%
108.0	0.018	0.001	1097.143	0.00%	99.74%
108.5	0.019	0.001	1097.144	0.00%	99.74%
109.0	0.020	0.001	1097.145	0.00%	99.74%
109.5	0.022	0.001	1097.147	0.00%	99.74%
110.0	0.023	0.001	1097.148	0.00%	99.74%
110.5	0.024	0.001	1097.149	0.00%	99.74%
111.0	0.026	0.001	1097.15	0.00%	99.74%
111.5	0.027	0.001	1097.152	0.00%	99.74%
112.0	0.029	0.001	1097.153	0.00%	99.74%
112.5	0.031	0.002	1097.154	0.00%	99.74%
113.0	0.033	0.002	1097.156	0.00%	99.74%
113.5	0.036	0.002	1097.158	0.00%	99.74%

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

Date:
Humidity(%): 55.3%

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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	0.037	0.002	1097.16	0.00%	99.74%
114.5	0.040	0.002	1097.162	0.00%	99.74%
115.0	0.042	0.002	1097.164	0.00%	99.74%
115.5	0.044	0.002	1097.166	0.00%	99.74%
116.0	0.047	0.002	1097.168	0.00%	99.74%
116.5	0.049	0.002	1097.17	0.00%	99.74%
117.0	0.052	0.002	1097.173	0.00%	99.74%
117.5	0.056	0.003	1097.175	0.00%	99.74%
118.0	0.059	0.003	1097.178	0.00%	99.74%
118.5	0.062	0.003	1097.181	0.00%	99.74%
119.0	0.065	0.003	1097.184	0.00%	99.74%
119.5	0.069	0.003	1097.187	0.00%	99.74%
120.0	0.073	0.003	1097.191	0.00%	99.74%
120.5	0.077	0.004	1097.194	0.00%	99.74%
121.0	0.083	0.004	1097.198	0.00%	99.75%
121.5	0.087	0.004	1097.202	0.00%	99.75%
122.0	0.092	0.004	1097.206	0.00%	99.75%
122.5	0.097	0.004	1097.211	0.00%	99.75%
123.0	0.103	0.005	1097.215	0.00%	99.75%
123.5	0.109	0.005	1097.22	0.00%	99.75%
124.0	0.114	0.005	1097.225	0.00%	99.75%
124.5	0.120	0.005	1097.23	0.00%	99.75%
125.0	0.127	0.006	1097.236	0.00%	99.75%
125.5	0.133	0.006	1097.242	0.00%	99.75%
126.0	0.140	0.006	1097.248	0.00%	99.75%
126.5	0.148	0.006	1097.254	0.00%	99.75%
127.0	0.154	0.007	1097.261	0.00%	99.75%
127.5	0.162	0.007	1097.268	0.00%	99.75%
128.0	0.170	0.007	1097.275	0.00%	99.75%
128.5	0.178	0.008	1097.283	0.00%	99.75%
129.0	0.187	0.008	1097.29	0.00%	99.75%
129.5	0.196	0.008	1097.298	0.00%	99.75%
130.0	0.206	0.008	1097.307	0.00%	99.76%
130.5	0.216	0.009	1097.316	0.00%	99.76%
131.0	0.226	0.009	1097.325	0.00%	99.76%
131.5	0.237	0.010	1097.334	0.00%	99.76%
132.0	0.248	0.010	1097.344	0.00%	99.76%
132.5	0.260	0.010	1097.355	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	0.273	0.011	1097.365	0.00%	99.76%
133.5	0.287	0.011	1097.377	0.00%	99.76%
134.0	0.301	0.012	1097.388	0.00%	99.76%
134.5	0.316	0.012	1097.4	0.00%	99.76%
135.0	0.332	0.013	1097.413	0.00%	99.76%
135.5	0.349	0.013	1097.426	0.00%	99.77%
136.0	0.367	0.014	1097.44	0.00%	99.77%
136.5	0.387	0.014	1097.454	0.00%	99.77%
137.0	0.408	0.015	1097.469	0.00%	99.77%
137.5	0.430	0.016	1097.485	0.00%	99.77%
138.0	0.453	0.016	1097.501	0.00%	99.77%
138.5	0.479	0.017	1097.518	0.00%	99.77%
139.0	0.507	0.018	1097.536	0.00%	99.78%
139.5	0.536	0.019	1097.554	0.00%	99.78%
140.0	0.568	0.020	1097.574	0.00%	99.78%
140.5	0.602	0.020	1097.594	0.00%	99.78%
141.0	0.640	0.022	1097.616	0.00%	99.78%
141.5	0.681	0.023	1097.639	0.00%	99.79%
142.0	0.726	0.024	1097.663	0.00%	99.79%
142.5	0.777	0.025	1097.688	0.00%	99.79%
143.0	0.834	0.027	1097.714	0.00%	99.79%
143.5	0.898	0.028	1097.743	0.00%	99.79%
144.0	0.972	0.030	1097.773	0.00%	99.80%
144.5	1.055	0.032	1097.806	0.00%	99.80%
145.0	1.144	0.035	1097.84	0.00%	99.80%
145.5	1.238	0.037	1097.878	0.00%	99.81%
146.0	1.336	0.040	1097.917	0.00%	99.81%
146.5	1.433	0.042	1097.96	0.00%	99.81%
147.0	1.529	0.045	1098.004	0.00%	99.82%
147.5	1.621	0.047	1098.051	0.00%	99.82%
148.0	1.711	0.049	1098.1	0.00%	99.83%
148.5	1.794	0.051	1098.15	0.00%	99.83%
149.0	1.870	0.052	1098.202	0.00%	99.84%
149.5	1.939	0.053	1098.256	0.00%	99.84%
150.0	2.000	0.054	1098.31	0.00%	99.85%
150.5	2.054	0.055	1098.365	0.01%	99.85%
151.0	2.101	0.056	1098.421	0.01%	99.86%
151.5	2.141	0.056	1098.477	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	2.176	0.056	1098.533	0.01%	99.87%
152.5	2.206	0.056	1098.589	0.01%	99.87%
153.0	2.232	0.056	1098.644	0.01%	99.88%
153.5	2.254	0.055	1098.7	0.01%	99.88%
154.0	2.274	0.055	1098.755	0.00%	99.89%
154.5	2.291	0.054	1098.809	0.00%	99.89%
155.0	2.305	0.054	1098.863	0.00%	99.90%
155.5	2.317	0.053	1098.916	0.00%	99.90%
156.0	2.328	0.052	1098.968	0.00%	99.91%
156.5	2.336	0.051	1099.02	0.00%	99.91%
157.0	2.342	0.051	1099.07	0.00%	99.92%
157.5	2.346	0.050	1099.12	0.00%	99.92%
158.0	2.349	0.049	1099.169	0.00%	99.92%
158.5	2.348	0.048	1099.216	0.00%	99.93%
159.0	2.346	0.047	1099.263	0.00%	99.93%
159.5	2.341	0.046	1099.309	0.00%	99.94%
160.0	2.334	0.044	1099.353	0.00%	99.94%
160.5	2.323	0.043	1099.396	0.00%	99.95%
161.0	2.308	0.042	1099.438	0.00%	99.95%
161.5	2.291	0.041	1099.478	0.00%	99.95%
162.0	2.269	0.039	1099.518	0.00%	99.96%
162.5	2.244	0.038	1099.555	0.00%	99.96%
163.0	2.214	0.036	1099.592	0.00%	99.96%
163.5	2.179	0.035	1099.626	0.00%	99.97%
164.0	2.139	0.033	1099.659	0.00%	99.97%
164.5	2.094	0.031	1099.691	0.00%	99.97%
165.0	2.043	0.030	1099.721	0.00%	99.97%
165.5	1.983	0.028	1099.749	0.00%	99.98%
166.0	1.917	0.026	1099.775	0.00%	99.98%
166.5	1.842	0.024	1099.8	0.00%	99.98%
167.0	1.759	0.023	1099.822	0.00%	99.98%
167.5	1.670	0.021	1099.843	0.00%	99.99%
168.0	1.577	0.019	1099.862	0.00%	99.99%
168.5	1.483	0.017	1099.879	0.00%	99.99%
169.0	1.389	0.015	1099.894	0.00%	99.99%
169.5	1.299	0.014	1099.908	0.00%	99.99%
170.0	1.211	0.012	1099.92	0.00%	99.99%
170.5	1.127	0.011	1099.931	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

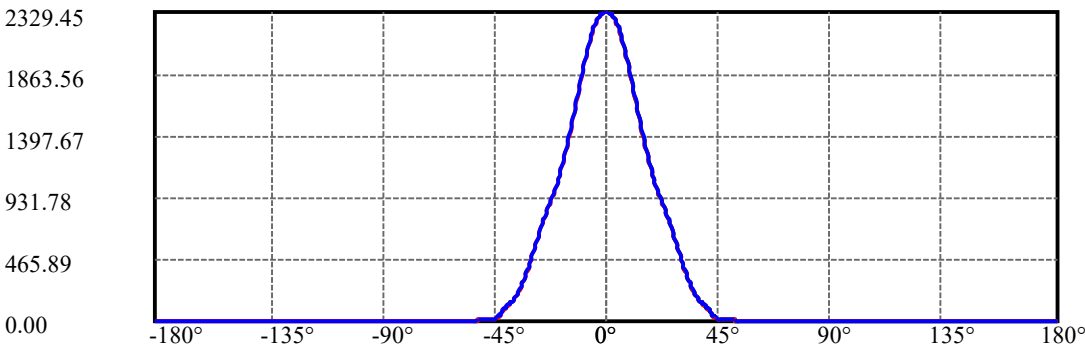
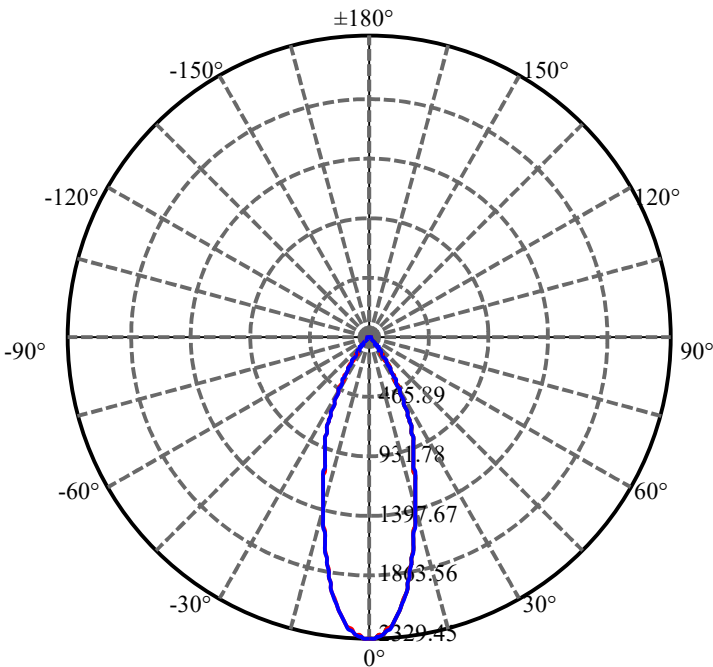
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	1.049	0.010	1099.941	0.00%	99.99%
171.5	0.978	0.008	1099.949	0.00%	100.00%
172.0	0.913	0.007	1099.957	0.00%	100.00%
172.5	0.856	0.007	1099.963	0.00%	100.00%
173.0	0.805	0.006	1099.969	0.00%	100.00%
173.5	0.760	0.005	1099.974	0.00%	100.00%
174.0	0.720	0.004	1099.978	0.00%	100.00%
174.5	0.684	0.004	1099.982	0.00%	100.00%
175.0	0.653	0.003	1099.986	0.00%	100.00%
175.5	0.625	0.003	1099.989	0.00%	100.00%
176.0	0.602	0.002	1099.991	0.00%	100.00%
176.5	0.581	0.002	1099.993	0.00%	100.00%
177.0	0.564	0.002	1099.995	0.00%	100.00%
177.5	0.551	0.001	1099.996	0.00%	100.00%
178.0	0.540	0.001	1099.998	0.00%	100.00%
178.5	0.520	0.001	1099.998	0.00%	100.00%
179.0	0.492	0.001	1099.999	0.00%	100.00%
179.5	0.487	0.000	1099.999	0.00%	100.00%
180.0	0.484	0.000	1100	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	917.21	83.38%	83.38%
0-40	1066.42	96.95%	96.95%
0-60	1094.78	99.53%	99.53%
0-90	1097.13	99.74%	99.74%
0-120	1097.19	99.74%	99.74%
0-180	1100.00	100.00%	100.00%
60-90	2.34	0.21%	0.21%
90-120	0.06	0.01%	0.01%
90-130	0.18	0.02%	0.02%
90-150	1.18	0.11%	0.11%
90-180	2.87	0.26%	0.26%
0-28.63	880.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	198.16
10-20	379.62
20-30	339.43
30-40	149.21
40-50	23.51
50-60	4.85
60-70	1.90
70-80	0.43
80-90	0.01
90-100	0.01
100-110	0.01
110-120	0.04
120-130	0.12
130-140	0.27
140-150	0.74
150-160	1.04
160-170	0.57
170-180	0.08



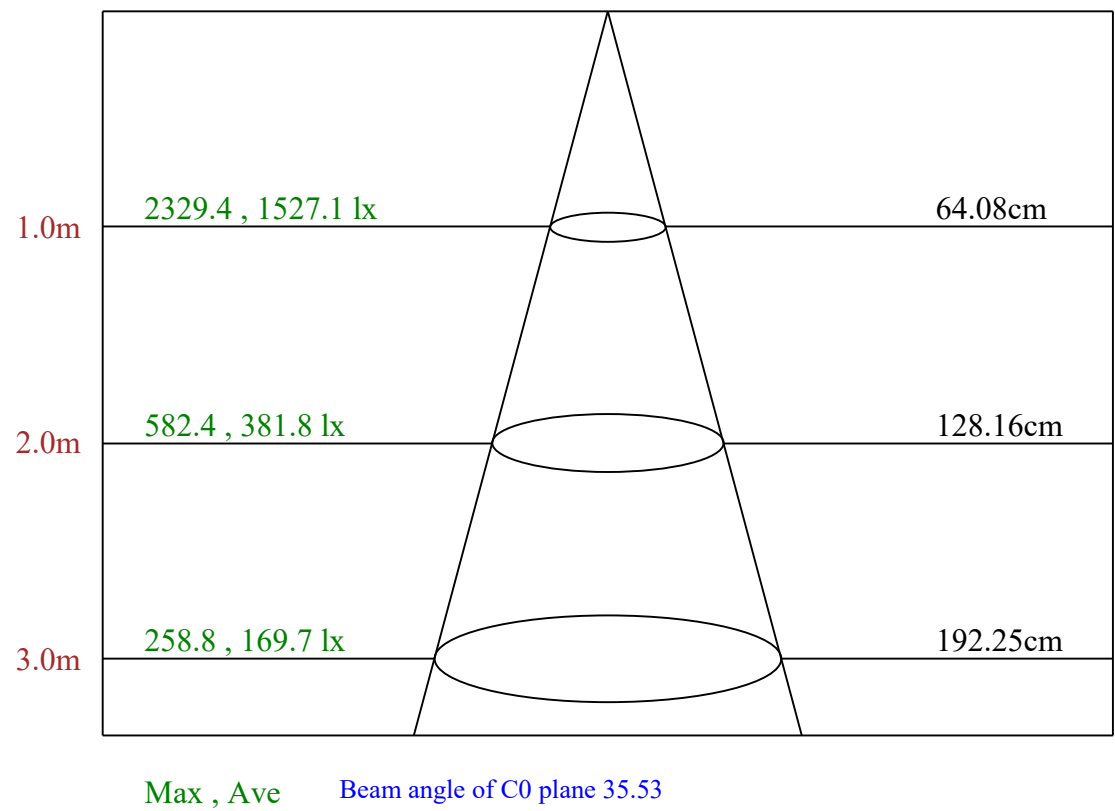
C0(Max): —————

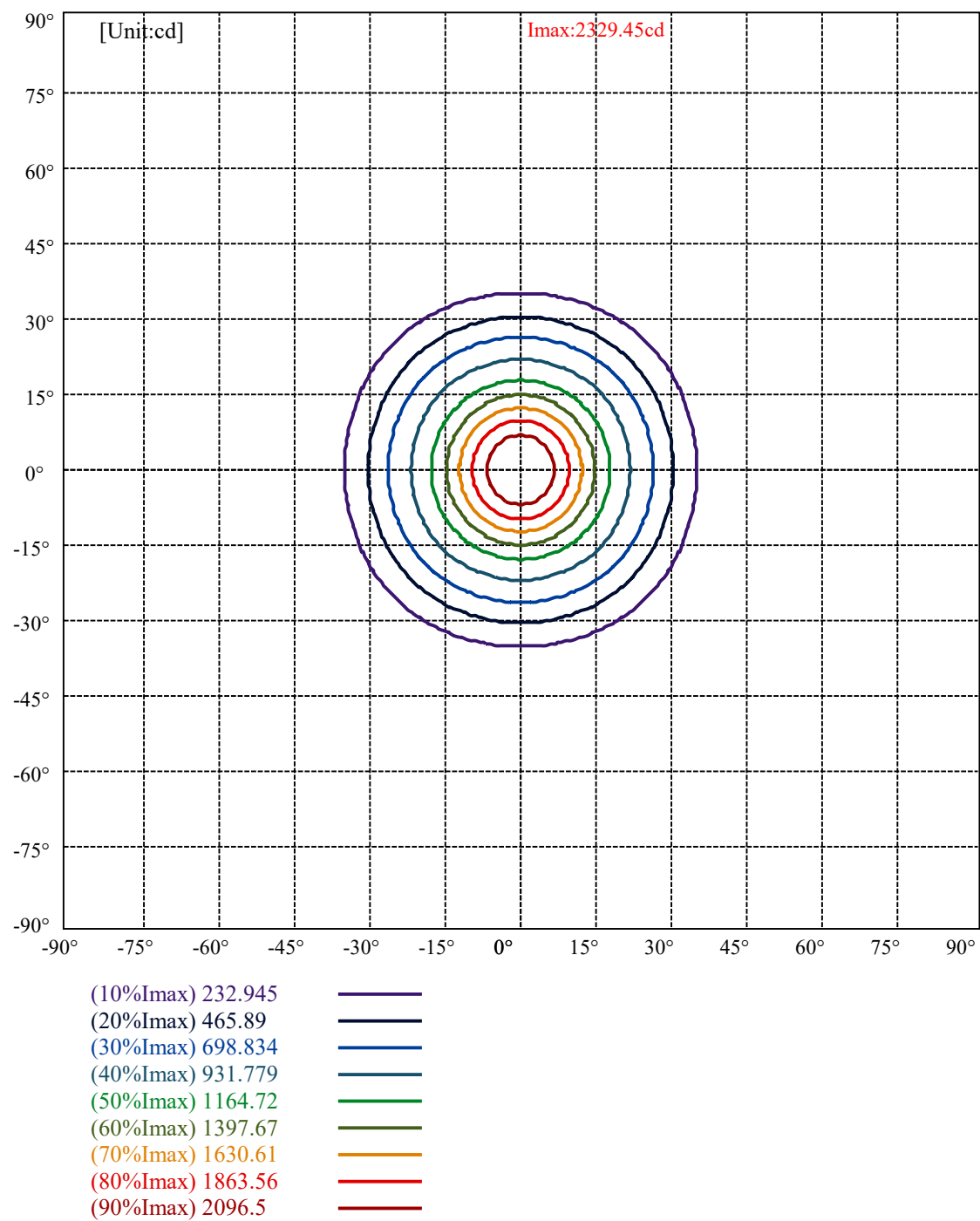
C0/C180: —————

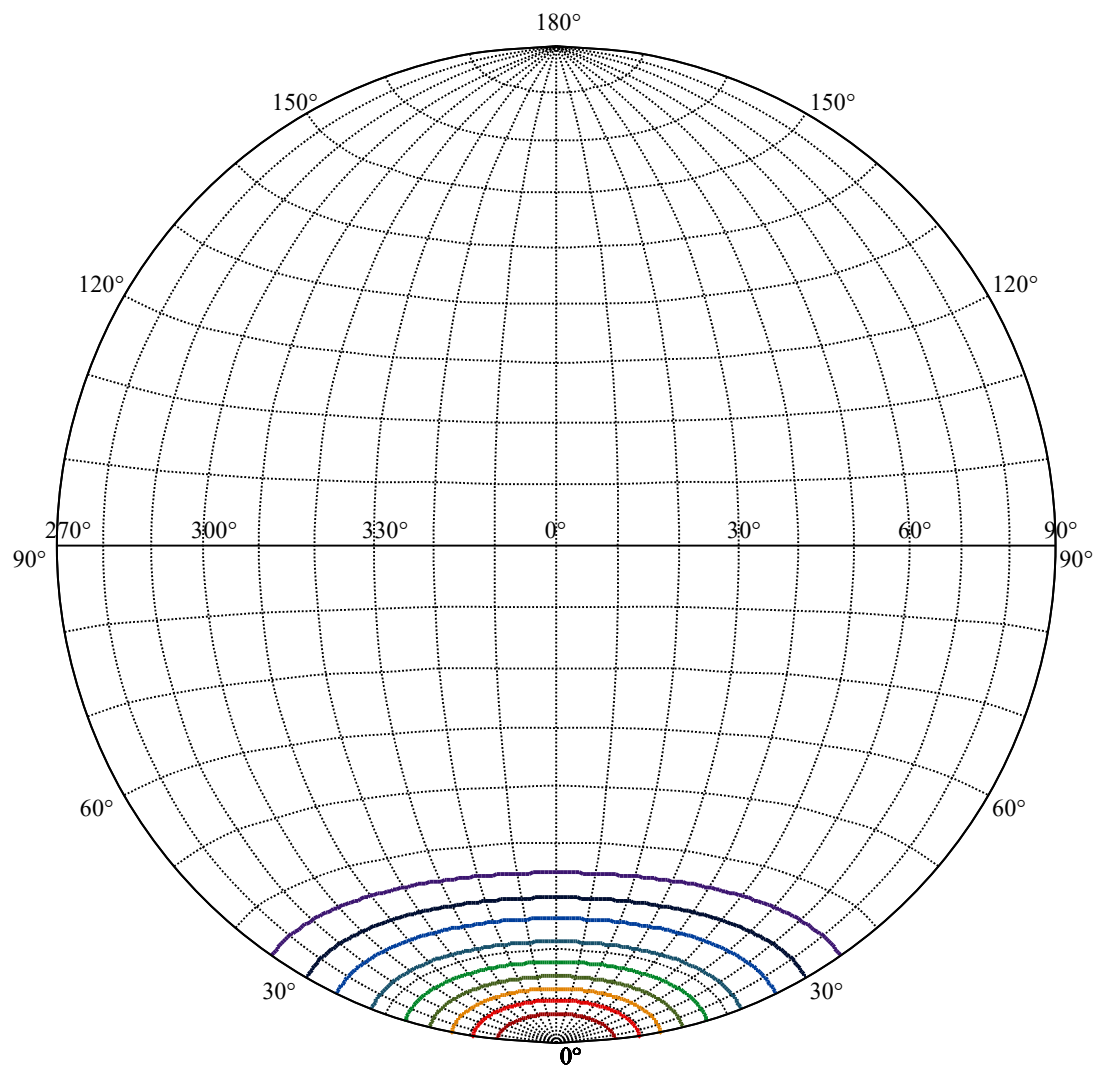
C90/C270: —————

Field angle(10%Imax):C0/180Left:34.6 Right:34.6
:C90/270Left:34.7 Right:34.7

Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5
:C90/270Left:17.6 Right:17.6





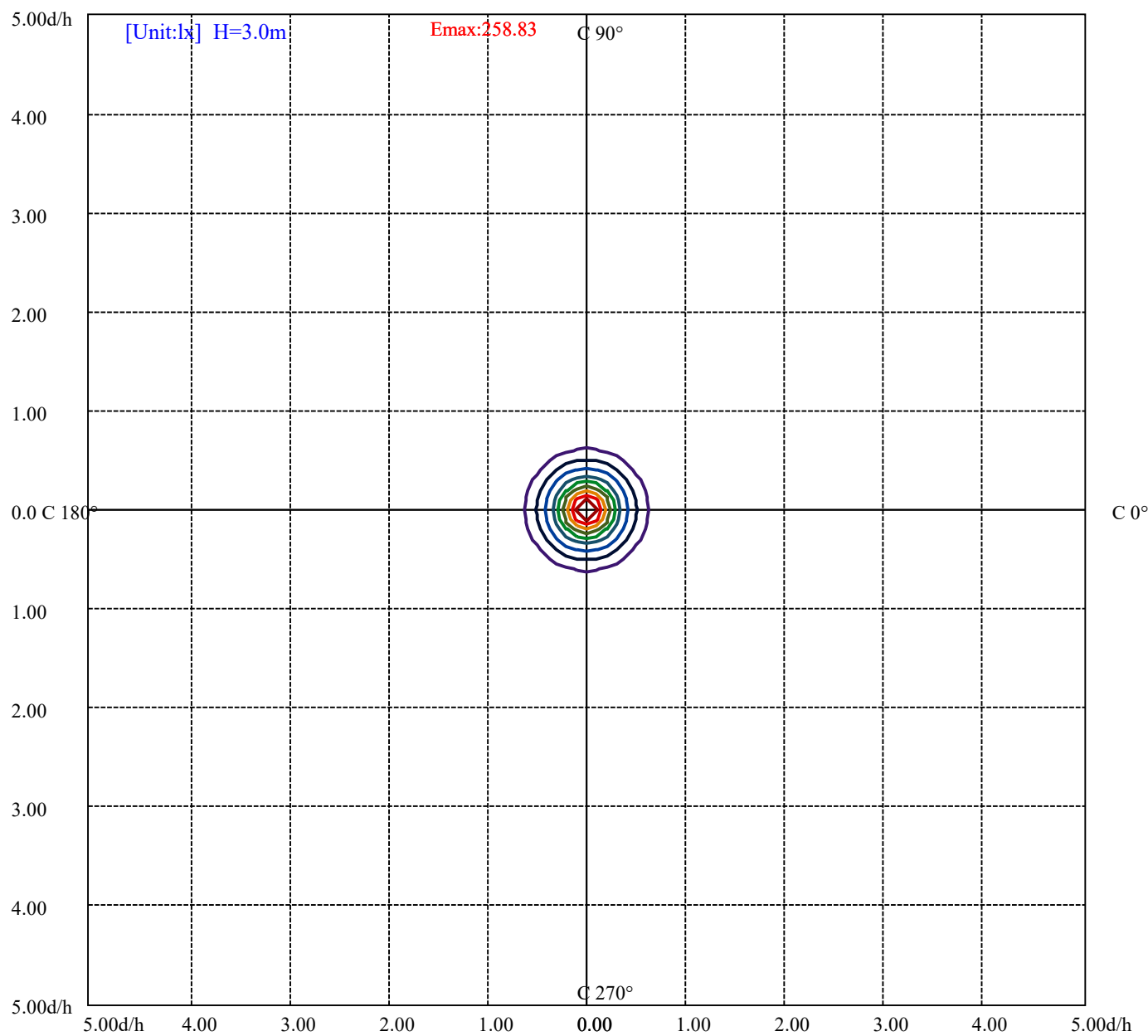


House

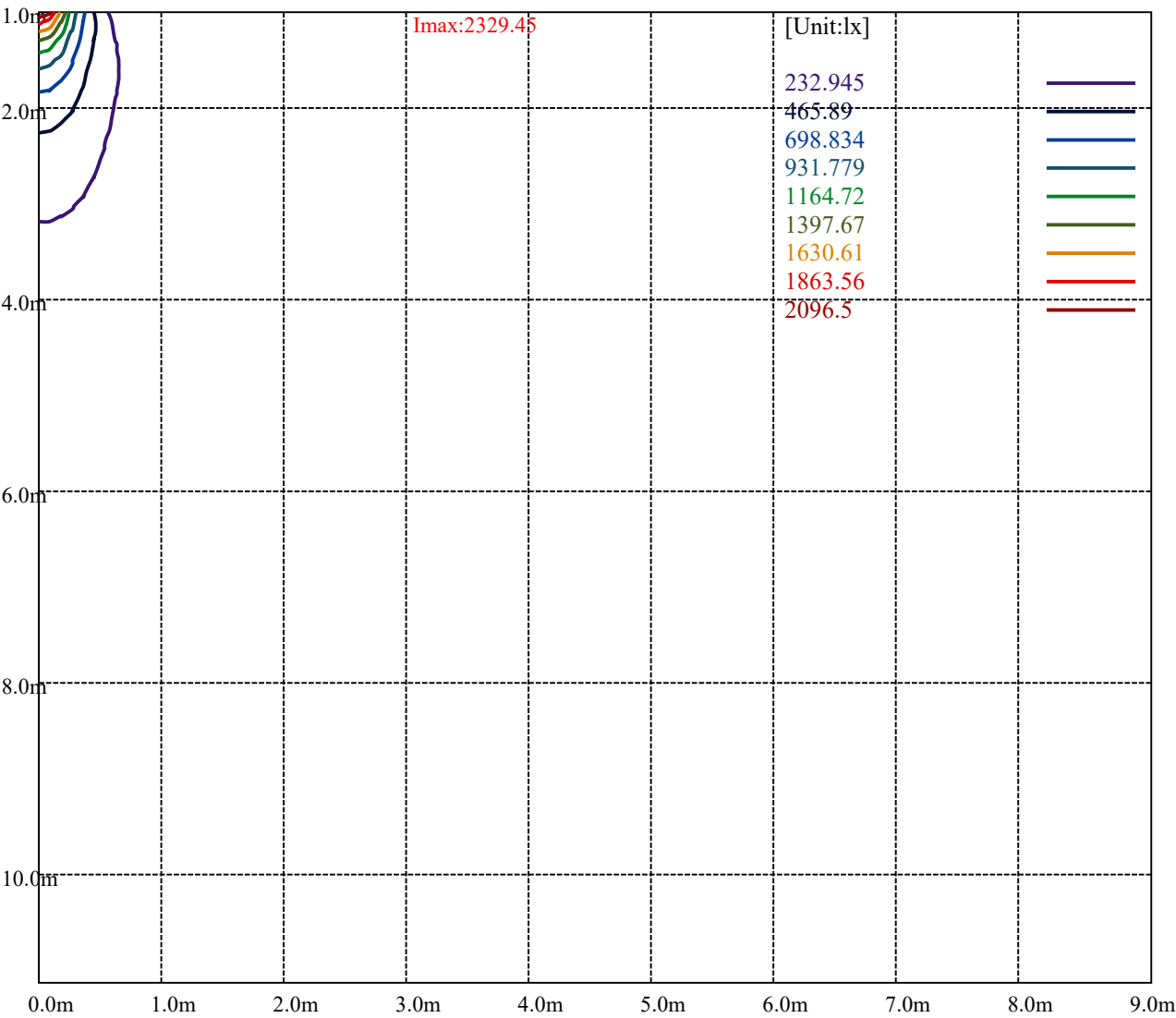
[Unit:cd]

Road

I _{max} :2329.45	
(10%I _{max})	232.945
(20%I _{max})	465.89
(30%I _{max})	698.834
(40%I _{max})	931.779
(50%I _{max})	1164.72
(60%I _{max})	1397.67
(70%I _{max})	1630.61
(80%I _{max})	1863.56
(90%I _{max})	2096.5



(10%Emax)	25.88278	—
(20%Emax)	51.76545	—
(30%Emax)	77.64822	—
(40%Emax)	103.531	—
(50%Emax)	129.4133	—
(60%Emax)	155.2967	—
(70%Emax)	181.1789	—
(80%Emax)	207.0622	—
(90%Emax)	232.9444	—



Luminance Limiting Curve(no luminous side)

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Luminance Table

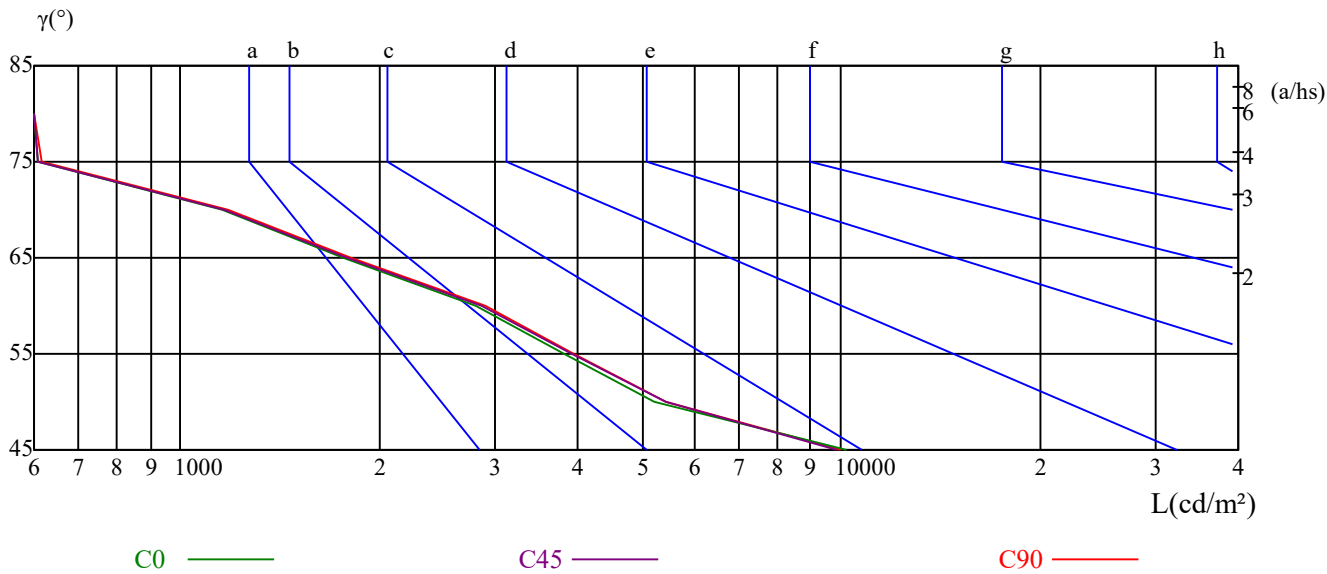
γ	45	50	55	60	65	70	75	80	85
C0	10203	5228	3799	2799	1767	1160	608	58	29
C45	9887	5423	3903	2866	1789	1163	607	61	29
C90	10028	5443	3946	2890	1807	1184	615	63	29

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1767	1807	1789	608	615	607	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



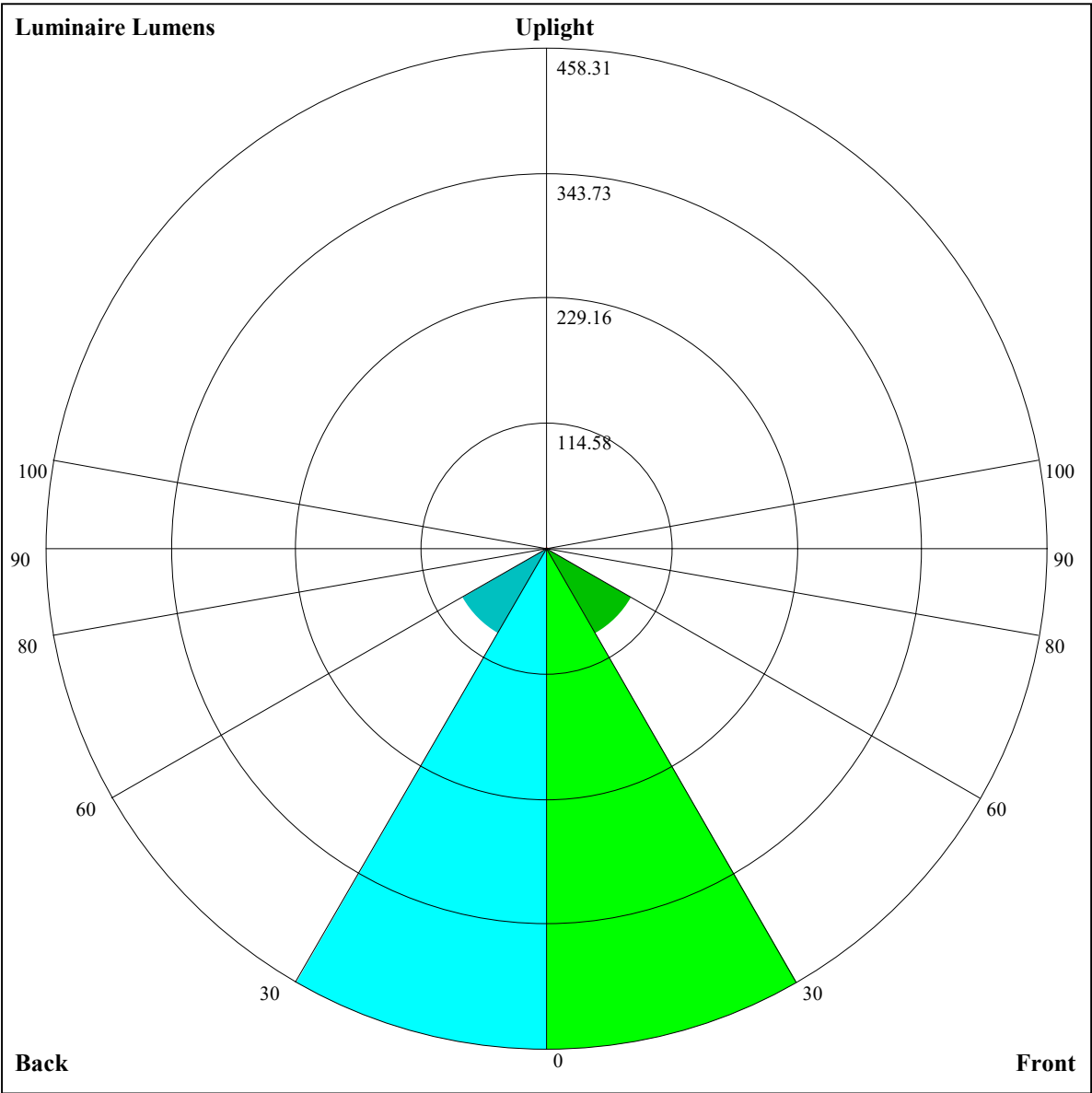
Equipment: GMS-1800
Temperature(°C): 25.0

Date:
Humidity(%): 55.3%

Operator: CWR

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	18.71	19.62	19.08	19.94	20.26	18.77	19.68	19.14	20.00	20.32
	3H	18.50	19.31	18.89	19.65	20.00	18.56	19.37	18.95	19.71	20.06
	4H	18.39	19.13	18.80	19.49	19.87	18.45	19.20	18.86	19.56	19.93
	6H	18.29	18.97	18.72	19.36	19.76	18.35	19.03	18.78	19.42	19.82
	8H	18.21	18.86	18.64	19.25	19.67	18.28	18.92	18.70	19.32	19.73
	12H	18.14	18.75	18.57	19.15	19.58	18.20	18.81	18.63	19.22	19.64
4H	2H	18.39	19.13	18.79	19.49	19.87	18.45	19.19	18.85	19.55	19.93
	3H	18.14	18.76	18.57	19.16	19.59	18.20	18.82	18.63	19.22	19.65
	4H	18.05	18.59	18.50	19.02	19.48	18.12	18.65	18.56	19.08	19.54
	6H	17.90	18.38	18.38	18.84	19.30	17.97	18.44	18.45	18.90	19.36
	8H	17.84	18.28	18.33	18.74	19.22	17.90	18.34	18.39	18.80	19.28
	12H	17.79	18.19	18.28	18.65	19.17	17.85	18.25	18.34	18.71	19.23
8H	4H	17.84	18.28	18.33	18.74	19.22	17.90	18.34	18.40	18.80	19.29
	6H	17.68	18.03	18.19	18.52	19.04	17.74	18.09	18.25	18.58	19.10
	8H	17.66	17.95	18.20	18.48	18.99	17.72	18.01	18.26	18.54	19.05
	12H	17.60	17.82	18.15	18.34	18.87	17.66	17.88	18.21	18.40	18.93
12H	4H	17.79	18.19	18.28	18.65	19.17	17.85	18.25	18.34	18.71	19.24
	6H	17.66	17.95	18.20	18.48	18.99	17.72	18.01	18.26	18.54	19.05
	8H	17.60	17.82	18.15	18.34	18.87	17.66	17.88	18.21	18.40	18.93
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		-0.4					-0.5				

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



Luminaire Lumens:

FL=458.31,FM=89.59,FH=1.18,FVH=0

BL=458.31,BM=89.59,BH=1.18,BVH=0

UL=0,UH=2.87

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	2329.45	2328.06	2323.94	2317.24	2308.18	2296.59	2282.45	2265.86	2247.03
22.5	2329.45	2327.09	2322.78	2316.53	2307.39	2295.06	2280.04	2263.11	2243.20
45.0	2329.45	2326.77	2322.88	2317.74	2308.77	2297.25	2282.89	2266.29	2246.94
67.5	2329.45	2326.60	2323.21	2318.34	2310.86	2300.14	2287.71	2272.42	2254.70
90.0	2329.45	2326.48	2323.85	2318.45	2312.82	2303.59	2289.50	2273.51	2255.09
112.5	2329.45	2326.60	2323.21	2318.34	2310.86	2300.14	2287.71	2272.42	2254.70
135.0	2329.45	2326.77	2322.88	2317.74	2308.77	2297.25	2282.89	2266.29	2246.94
157.5	2329.45	2327.09	2322.78	2316.53	2307.39	2295.06	2280.04	2263.11	2243.20
180.0	2329.45	2328.06	2323.94	2317.24	2308.18	2296.59	2282.45	2265.86	2247.03
202.5	2329.45	2327.09	2322.78	2316.53	2307.39	2295.06	2280.04	2263.11	2243.20
225.0	2329.45	2326.77	2322.88	2317.74	2308.77	2297.25	2282.89	2266.29	2246.94
247.5	2329.45	2326.60	2323.21	2318.34	2310.86	2300.14	2287.71	2272.42	2254.70
270.0	2329.45	2326.48	2323.85	2318.45	2312.82	2303.59	2289.50	2273.51	2255.09
292.5	2329.45	2326.60	2323.21	2318.34	2310.86	2300.14	2287.71	2272.42	2254.70
315.0	2329.45	2326.77	2322.88	2317.74	2308.77	2297.25	2282.89	2266.29	2246.94
337.5	2329.45	2327.09	2322.78	2316.53	2307.39	2295.06	2280.04	2263.11	2243.20
360.0	2329.45	2328.06	2323.94	2317.24	2308.18	2296.59	2282.45	2265.86	2247.03

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2225.82	2201.91	2175.22	2145.53	2113.22	2078.51	2041.32	2002.12	1961.33
22.5	2221.43	2197.43	2170.94	2141.17	2109.29	2074.61	2037.53	1998.11	1957.13
45.0	2225.09	2200.58	2173.31	2143.60	2111.18	2076.37	2039.23	2000.27	1959.62
67.5	2233.68	2209.07	2181.73	2151.59	2118.63	2083.51	2046.51	2007.24	1965.64
90.0	2233.87	2210.00	2182.91	2152.56	2119.87	2084.70	2046.87	2007.22	1965.76
112.5	2233.68	2209.07	2181.73	2151.59	2118.63	2083.51	2046.51	2007.24	1965.64
135.0	2225.09	2200.58	2173.31	2143.60	2111.18	2076.37	2039.23	2000.27	1959.62
157.5	2221.43	2197.43	2170.94	2141.17	2109.29	2074.61	2037.53	1998.11	1957.13
180.0	2225.82	2201.91	2175.22	2145.53	2113.22	2078.51	2041.32	2002.12	1961.33
202.5	2221.43	2197.43	2170.94	2141.17	2109.29	2074.61	2037.53	1998.11	1957.13
225.0	2225.09	2200.58	2173.31	2143.60	2111.18	2076.37	2039.23	2000.27	1959.62
247.5	2233.68	2209.07	2181.73	2151.59	2118.63	2083.51	2046.51	2007.24	1965.64
270.0	2233.87	2210.00	2182.91	2152.56	2119.87	2084.70	2046.87	2007.22	1965.76
292.5	2233.68	2209.07	2181.73	2151.59	2118.63	2083.51	2046.51	2007.24	1965.64
315.0	2225.09	2200.58	2173.31	2143.60	2111.18	2076.37	2039.23	2000.27	1959.62
337.5	2221.43	2197.43	2170.94	2141.17	2109.29	2074.61	2037.53	1998.11	1957.13
360.0	2225.82	2201.91	2175.22	2145.53	2113.22	2078.51	2041.32	2002.12	1961.33

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1918.45	1873.79	1828.26	1781.38	1733.35	1685.07	1636.74	1589.14	1542.36
22.5	1914.20	1869.70	1823.81	1777.59	1729.87	1681.91	1633.69	1586.01	1539.29
45.0	1916.90	1872.40	1826.65	1779.83	1732.98	1685.04	1637.53	1589.88	1543.57
67.5	1922.70	1878.15	1832.25	1785.26	1737.69	1690.15	1642.77	1595.53	1548.82
90.0	1922.83	1878.45	1832.79	1785.99	1738.44	1690.55	1642.80	1595.95	1549.70
112.5	1922.70	1878.15	1832.25	1785.26	1737.69	1690.15	1642.77	1595.53	1548.82
135.0	1916.90	1872.40	1826.65	1779.83	1732.98	1685.04	1637.53	1589.88	1543.57
157.5	1914.20	1869.70	1823.81	1777.59	1729.87	1681.91	1633.69	1586.01	1539.29
180.0	1918.45	1873.79	1828.26	1781.38	1733.35	1685.07	1636.74	1589.14	1542.36
202.5	1914.20	1869.70	1823.81	1777.59	1729.87	1681.91	1633.69	1586.01	1539.29
225.0	1916.90	1872.40	1826.65	1779.83	1732.98	1685.04	1637.53	1589.88	1543.57
247.5	1922.70	1878.15	1832.25	1785.26	1737.69	1690.15	1642.77	1595.53	1548.82
270.0	1922.83	1878.45	1832.79	1785.99	1738.44	1690.55	1642.80	1595.95	1549.70
292.5	1922.70	1878.15	1832.25	1785.26	1737.69	1690.15	1642.77	1595.53	1548.82
315.0	1916.90	1872.40	1826.65	1779.83	1732.98	1685.04	1637.53	1589.88	1543.57
337.5	1914.20	1869.70	1823.81	1777.59	1729.87	1681.91	1633.69	1586.01	1539.29
360.0	1918.45	1873.79	1828.26	1781.38	1733.35	1685.07	1636.74	1589.14	1542.36

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	1496.30	1451.30	1406.98	1363.72	1321.51	1280.75	1241.35	1203.38	1166.31
22.5	1493.73	1448.93	1404.73	1361.45	1319.97	1279.51	1240.42	1202.46	1165.64
45.0	1497.67	1452.89	1408.71	1366.01	1324.00	1283.26	1243.70	1205.38	1168.21
67.5	1503.22	1458.42	1414.44	1370.93	1328.84	1287.77	1248.03	1209.02	1171.47
90.0	1503.88	1458.97	1415.24	1371.96	1329.78	1288.85	1248.80	1209.94	1172.40
112.5	1503.22	1458.42	1414.44	1370.93	1328.84	1287.77	1248.03	1209.02	1171.47
135.0	1497.67	1452.89	1408.71	1366.01	1324.00	1283.26	1243.70	1205.38	1168.21
157.5	1493.73	1448.93	1404.73	1361.45	1319.97	1279.51	1240.42	1202.46	1165.64
180.0	1496.30	1451.30	1406.98	1363.72	1321.51	1280.75	1241.35	1203.38	1166.31
202.5	1493.73	1448.93	1404.73	1361.45	1319.97	1279.51	1240.42	1202.46	1165.64
225.0	1497.67	1452.89	1408.71	1366.01	1324.00	1283.26	1243.70	1205.38	1168.21
247.5	1503.22	1458.42	1414.44	1370.93	1328.84	1287.77	1248.03	1209.02	1171.47
270.0	1503.88	1458.97	1415.24	1371.96	1329.78	1288.85	1248.80	1209.94	1172.40
292.5	1503.22	1458.42	1414.44	1370.93	1328.84	1287.77	1248.03	1209.02	1171.47
315.0	1497.67	1452.89	1408.71	1366.01	1324.00	1283.26	1243.70	1205.38	1168.21
337.5	1493.73	1448.93	1404.73	1361.45	1319.97	1279.51	1240.42	1202.46	1165.64
360.0	1496.30	1451.30	1406.98	1363.72	1321.51	1280.75	1241.35	1203.38	1166.31

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1130.74	1096.90	1065.27	1035.73	1008.68	982.95	958.01	933.90	911.08
22.5	1129.70	1096.09	1064.25	1035.14	1008.09	982.80	957.97	934.07	910.43
45.0	1132.78	1098.72	1066.76	1037.17	1010.21	984.99	960.87	936.94	913.61
67.5	1135.27	1101.53	1069.37	1039.78	1012.24	986.87	962.60	939.05	915.38
90.0	1136.22	1102.10	1070.06	1040.76	1013.18	987.35	962.92	939.69	916.53
112.5	1135.27	1101.53	1069.37	1039.78	1012.24	986.87	962.60	939.05	915.38
135.0	1132.78	1098.72	1066.76	1037.17	1010.21	984.99	960.87	936.94	913.61
157.5	1129.70	1096.09	1064.25	1035.14	1008.09	982.80	957.97	934.07	910.43
180.0	1130.74	1096.90	1065.27	1035.73	1008.68	982.95	958.01	933.90	911.08
202.5	1129.70	1096.09	1064.25	1035.14	1008.09	982.80	957.97	934.07	910.43
225.0	1132.78	1098.72	1066.76	1037.17	1010.21	984.99	960.87	936.94	913.61
247.5	1135.27	1101.53	1069.37	1039.78	1012.24	986.87	962.60	939.05	915.38
270.0	1136.22	1102.10	1070.06	1040.76	1013.18	987.35	962.92	939.69	916.53
292.5	1135.27	1101.53	1069.37	1039.78	1012.24	986.87	962.60	939.05	915.38
315.0	1132.78	1098.72	1066.76	1037.17	1010.21	984.99	960.87	936.94	913.61
337.5	1129.70	1096.09	1064.25	1035.14	1008.09	982.80	957.97	934.07	910.43
360.0	1130.74	1096.90	1065.27	1035.73	1008.68	982.95	958.01	933.90	911.08

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	888.49	865.24	840.66	814.84	787.56	759.41	730.95	702.09	672.59
22.5	887.56	864.43	839.99	813.37	785.92	758.00	729.57	700.86	671.40
45.0	890.49	866.92	841.54	815.10	787.39	759.29	730.73	701.37	671.88
67.5	891.99	867.90	842.65	815.61	787.63	759.27	730.80	702.02	672.49
90.0	893.07	868.62	843.03	816.35	788.50	760.01	731.24	702.61	672.74
112.5	891.99	867.90	842.65	815.61	787.63	759.27	730.80	702.02	672.49
135.0	890.49	866.92	841.54	815.10	787.39	759.29	730.73	701.37	671.88
157.5	887.56	864.43	839.99	813.37	785.92	758.00	729.57	700.86	671.40
180.0	888.49	865.24	840.66	814.84	787.56	759.41	730.95	702.09	672.59
202.5	887.56	864.43	839.99	813.37	785.92	758.00	729.57	700.86	671.40
225.0	890.49	866.92	841.54	815.10	787.39	759.29	730.73	701.37	671.88
247.5	891.99	867.90	842.65	815.61	787.63	759.27	730.80	702.02	672.49
270.0	893.07	868.62	843.03	816.35	788.50	760.01	731.24	702.61	672.74
292.5	891.99	867.90	842.65	815.61	787.63	759.27	730.80	702.02	672.49
315.0	890.49	866.92	841.54	815.10	787.39	759.29	730.73	701.37	671.88
337.5	887.56	864.43	839.99	813.37	785.92	758.00	729.57	700.86	671.40
360.0	888.49	865.24	840.66	814.84	787.56	759.41	730.95	702.09	672.59

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	642.76	612.65	582.67	553.30	524.15	495.42	467.04	438.75	410.85
22.5	641.13	610.99	581.40	552.05	522.91	494.20	465.84	437.80	410.23
45.0	642.01	612.20	582.48	552.99	524.10	495.42	467.23	439.37	411.79
67.5	642.41	612.40	582.94	553.72	524.75	496.28	468.18	440.46	412.71
90.0	643.13	613.31	583.92	554.50	525.41	496.28	467.88	439.85	412.27
112.5	642.41	612.40	582.94	553.72	524.75	496.28	468.18	440.46	412.71
135.0	642.01	612.20	582.48	552.99	524.10	495.42	467.23	439.37	411.79
157.5	641.13	610.99	581.40	552.05	522.91	494.20	465.84	437.80	410.23
180.0	642.76	612.65	582.67	553.30	524.15	495.42	467.04	438.75	410.85
202.5	641.13	610.99	581.40	552.05	522.91	494.20	465.84	437.80	410.23
225.0	642.01	612.20	582.48	552.99	524.10	495.42	467.23	439.37	411.79
247.5	642.41	612.40	582.94	553.72	524.75	496.28	468.18	440.46	412.71
270.0	643.13	613.31	583.92	554.50	525.41	496.28	467.88	439.85	412.27
292.5	642.41	612.40	582.94	553.72	524.75	496.28	468.18	440.46	412.71
315.0	642.01	612.20	582.48	552.99	524.10	495.42	467.23	439.37	411.79
337.5	641.13	610.99	581.40	552.05	522.91	494.20	465.84	437.80	410.23
360.0	642.76	612.65	582.67	553.30	524.15	495.42	467.04	438.75	410.85

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	383.27	356.27	330.97	306.30	282.27	259.04	237.58	217.94	200.34
22.5	382.79	356.76	331.40	306.76	282.65	259.18	237.62	217.95	200.07
45.0	384.50	358.06	332.33	307.63	283.57	260.62	238.99	219.24	201.43
67.5	385.36	358.82	333.56	308.97	285.16	262.34	240.80	220.94	202.84
90.0	384.98	358.75	333.81	309.11	285.27	262.15	240.18	220.55	202.59
112.5	385.36	358.82	333.56	308.97	285.16	262.34	240.80	220.94	202.84
135.0	384.50	358.06	332.33	307.63	283.57	260.62	238.99	219.24	201.43
157.5	382.79	356.76	331.40	306.76	282.65	259.18	237.62	217.95	200.07
180.0	383.27	356.27	330.97	306.30	282.27	259.04	237.58	217.94	200.34
202.5	382.79	356.76	331.40	306.76	282.65	259.18	237.62	217.95	200.07
225.0	384.50	358.06	332.33	307.63	283.57	260.62	238.99	219.24	201.43
247.5	385.36	358.82	333.56	308.97	285.16	262.34	240.80	220.94	202.84
270.0	384.98	358.75	333.81	309.11	285.27	262.15	240.18	220.55	202.59
292.5	385.36	358.82	333.56	308.97	285.16	262.34	240.80	220.94	202.84
315.0	384.50	358.06	332.33	307.63	283.57	260.62	238.99	219.24	201.43
337.5	382.79	356.76	331.40	306.76	282.65	259.18	237.62	217.95	200.07
360.0	383.27	356.27	330.97	306.30	282.27	259.04	237.58	217.94	200.34

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	184.56	170.52	158.45	148.58	140.02	131.60	122.78	113.68	103.57
22.5	184.32	170.30	158.39	148.59	140.10	131.70	122.81	113.11	102.73
45.0	185.50	171.63	159.86	150.01	141.00	132.25	123.43	114.27	104.19
67.5	186.80	172.97	161.29	151.31	142.29	133.23	124.21	114.94	105.15
90.0	186.73	172.65	160.66	150.85	141.81	132.97	124.33	115.24	105.63
112.5	186.80	172.97	161.29	151.31	142.29	133.23	124.21	114.94	105.15
135.0	185.50	171.63	159.86	150.01	141.00	132.25	123.43	114.27	104.19
157.5	184.32	170.30	158.39	148.59	140.10	131.70	122.81	113.11	102.73
180.0	184.56	170.52	158.45	148.58	140.02	131.60	122.78	113.68	103.57
202.5	184.32	170.30	158.39	148.59	140.10	131.70	122.81	113.11	102.73
225.0	185.50	171.63	159.86	150.01	141.00	132.25	123.43	114.27	104.19
247.5	186.80	172.97	161.29	151.31	142.29	133.23	124.21	114.94	105.15
270.0	186.73	172.65	160.66	150.85	141.81	132.97	124.33	115.24	105.63
292.5	186.80	172.97	161.29	151.31	142.29	133.23	124.21	114.94	105.15
315.0	185.50	171.63	159.86	150.01	141.00	132.25	123.43	114.27	104.19
337.5	184.32	170.30	158.39	148.59	140.10	131.70	122.81	113.11	102.73
360.0	184.56	170.52	158.45	148.58	140.02	131.60	122.78	113.68	103.57

Intensity data(cd)

Appendix Page: 25 Total:35

C/ $\gamma(^{\circ})$	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	92.89	82.00	70.66	57.89	44.78	33.46	26.52	22.95	19.89
22.5	91.93	81.02	69.70	57.60	44.56	33.38	27.43	23.83	20.50
45.0	93.64	82.66	70.96	58.15	44.77	34.40	27.30	22.56	19.28
67.5	94.56	83.44	71.46	59.00	45.86	35.60	28.16	23.08	19.62
90.0	94.81	83.49	71.69	59.12	46.19	37.11	29.15	23.69	19.94
112.5	94.56	83.44	71.46	59.00	45.86	35.60	28.16	23.08	19.62
135.0	93.64	82.66	70.96	58.15	44.77	34.40	27.30	22.56	19.28
157.5	91.93	81.02	69.70	57.60	44.56	33.38	27.43	23.83	20.50
180.0	92.89	82.00	70.66	57.89	44.78	33.46	26.52	22.95	19.89
202.5	91.93	81.02	69.70	57.60	44.56	33.38	27.43	23.83	20.50
225.0	93.64	82.66	70.96	58.15	44.77	34.40	27.30	22.56	19.28
247.5	94.56	83.44	71.46	59.00	45.86	35.60	28.16	23.08	19.62
270.0	94.81	83.49	71.69	59.12	46.19	37.11	29.15	23.69	19.94
292.5	94.56	83.44	71.46	59.00	45.86	35.60	28.16	23.08	19.62
315.0	93.64	82.66	70.96	58.15	44.77	34.40	27.30	22.56	19.28
337.5	91.93	81.02	69.70	57.60	44.56	33.38	27.43	23.83	20.50
360.0	92.89	82.00	70.66	57.89	44.78	33.46	26.52	22.95	19.89
C/ $\gamma(^{\circ})$	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	17.14	15.00	13.83	12.77	11.60	10.57	9.80	9.29	8.82
22.5	17.92	15.45	14.07	12.95	11.81	10.73	10.00	9.46	8.97
45.0	16.61	15.39	14.33	13.32	12.23	11.05	10.25	9.71	9.19
67.5	17.00	15.64	14.49	13.44	12.31	11.13	10.35	9.76	9.23
90.0	16.85	15.63	14.39	13.35	12.25	11.06	10.31	9.73	9.21
112.5	17.00	15.64	14.49	13.44	12.31	11.13	10.35	9.76	9.23
135.0	16.61	15.39	14.33	13.32	12.23	11.05	10.25	9.71	9.19
157.5	17.92	15.45	14.07	12.95	11.81	10.73	10.00	9.46	8.97
180.0	17.14	15.00	13.83	12.77	11.60	10.57	9.80	9.29	8.82
202.5	17.92	15.45	14.07	12.95	11.81	10.73	10.00	9.46	8.97
225.0	16.61	15.39	14.33	13.32	12.23	11.05	10.25	9.71	9.19
247.5	17.00	15.64	14.49	13.44	12.31	11.13	10.35	9.76	9.23
270.0	16.85	15.63	14.39	13.35	12.25	11.06	10.31	9.73	9.21
292.5	17.00	15.64	14.49	13.44	12.31	11.13	10.35	9.76	9.23
315.0	16.61	15.39	14.33	13.32	12.23	11.05	10.25	9.71	9.19
337.5	17.92	15.45	14.07	12.95	11.81	10.73	10.00	9.46	8.97
360.0	17.14	15.00	13.83	12.77	11.60	10.57	9.80	9.29	8.82
C/ $\gamma(^{\circ})$	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	8.38	7.98	7.61	7.27	6.95	6.64	6.33	6.04	5.78
22.5	8.51	8.10	7.72	7.38	7.06	6.75	6.44	6.14	5.85
45.0	8.71	8.28	7.90	7.55	7.22	6.89	6.56	6.25	5.96
67.5	8.76	8.32	7.95	7.61	7.29	6.96	6.64	6.33	6.04
90.0	8.73	8.31	7.93	7.59	7.27	6.93	6.60	6.30	6.02
112.5	8.76	8.32	7.95	7.61	7.29	6.96	6.64	6.33	6.04
135.0	8.71	8.28	7.90	7.55	7.22	6.89	6.56	6.25	5.96
157.5	8.51	8.10	7.72	7.38	7.06	6.75	6.44	6.14	5.85
180.0	8.38	7.98	7.61	7.27	6.95	6.64	6.33	6.04	5.78
202.5	8.51	8.10	7.72	7.38	7.06	6.75	6.44	6.14	5.85
225.0	8.71	8.28	7.90	7.55	7.22	6.89	6.56	6.25	5.96
247.5	8.76	8.32	7.95	7.61	7.29	6.96	6.64	6.33	6.04
270.0	8.73	8.31	7.93	7.59	7.27	6.93	6.60	6.30	6.02
292.5	8.76	8.32	7.95	7.61	7.29	6.96	6.64	6.33	6.04
315.0	8.71	8.28	7.90	7.55	7.22	6.89	6.56	6.25	5.96
337.5	8.51	8.10	7.72	7.38	7.06	6.75	6.44	6.14	5.85
360.0	8.38	7.98	7.61	7.27	6.95	6.64	6.33	6.04	5.78

C/ γ (°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	5.55	5.36	5.18	4.99	4.78	4.55	4.34	4.17	4.02
22.5	5.61	5.40	5.23	5.06	4.86	4.63	4.41	4.22	4.05
45.0	5.70	5.50	5.32	5.14	4.93	4.70	4.48	4.28	4.11
67.5	5.79	5.57	5.37	5.18	4.96	4.73	4.51	4.30	4.14
90.0	5.77	5.57	5.38	5.18	4.96	4.74	4.51	4.31	4.15
112.5	5.79	5.57	5.37	5.18	4.96	4.73	4.51	4.30	4.14
135.0	5.70	5.50	5.32	5.14	4.93	4.70	4.48	4.28	4.11
157.5	5.61	5.40	5.23	5.06	4.86	4.63	4.41	4.22	4.05
180.0	5.55	5.36	5.18	4.99	4.78	4.55	4.34	4.17	4.02
202.5	5.61	5.40	5.23	5.06	4.86	4.63	4.41	4.22	4.05
225.0	5.70	5.50	5.32	5.14	4.93	4.70	4.48	4.28	4.11
247.5	5.79	5.57	5.37	5.18	4.96	4.73	4.51	4.30	4.14
270.0	5.77	5.57	5.38	5.18	4.96	4.74	4.51	4.31	4.15
292.5	5.79	5.57	5.37	5.18	4.96	4.73	4.51	4.30	4.14
315.0	5.70	5.50	5.32	5.14	4.93	4.70	4.48	4.28	4.11
337.5	5.61	5.40	5.23	5.06	4.86	4.63	4.41	4.22	4.05
360.0	5.55	5.36	5.18	4.99	4.78	4.55	4.34	4.17	4.02
C/ γ (°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	3.88	3.71	3.53	3.33	3.12	2.91	2.74	2.59	2.46
22.5	3.90	3.74	3.55	3.35	3.14	2.93	2.75	2.60	2.47
45.0	3.95	3.79	3.61	3.41	3.17	2.94	2.76	2.62	2.49
67.5	3.98	3.81	3.63	3.42	3.19	2.96	2.77	2.62	2.50
90.0	4.01	3.83	3.64	3.43	3.20	2.98	2.80	2.64	2.51
112.5	3.98	3.81	3.63	3.42	3.19	2.96	2.77	2.62	2.50
135.0	3.95	3.79	3.61	3.41	3.17	2.94	2.76	2.62	2.49
157.5	3.90	3.74	3.55	3.35	3.14	2.93	2.75	2.60	2.47
180.0	3.88	3.71	3.53	3.33	3.12	2.91	2.74	2.59	2.46
202.5	3.90	3.74	3.55	3.35	3.14	2.93	2.75	2.60	2.47
225.0	3.95	3.79	3.61	3.41	3.17	2.94	2.76	2.62	2.49
247.5	3.98	3.81	3.63	3.42	3.19	2.96	2.77	2.62	2.50
270.0	4.01	3.83	3.64	3.43	3.20	2.98	2.80	2.64	2.51
292.5	3.98	3.81	3.63	3.42	3.19	2.96	2.77	2.62	2.50
315.0	3.95	3.79	3.61	3.41	3.17	2.94	2.76	2.62	2.49
337.5	3.90	3.74	3.55	3.35	3.14	2.93	2.75	2.60	2.47
360.0	3.88	3.71	3.53	3.33	3.12	2.91	2.74	2.59	2.46
C/ γ (°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	2.32	2.17	2.02	1.88	1.77	1.69	1.60	1.51	1.42
22.5	2.33	2.17	2.02	1.89	1.78	1.70	1.61	1.52	1.43
45.0	2.35	2.18	2.01	1.88	1.80	1.71	1.62	1.54	1.43
67.5	2.36	2.19	2.02	1.90	1.81	1.72	1.63	1.54	1.43
90.0	2.37	2.19	2.02	1.90	1.81	1.72	1.64	1.55	1.45
112.5	2.36	2.19	2.02	1.90	1.81	1.72	1.63	1.54	1.43
135.0	2.35	2.18	2.01	1.88	1.80	1.71	1.62	1.54	1.43
157.5	2.33	2.17	2.02	1.89	1.78	1.70	1.61	1.52	1.43
180.0	2.32	2.17	2.02	1.88	1.77	1.69	1.60	1.51	1.42
202.5	2.33	2.17	2.02	1.89	1.78	1.70	1.61	1.52	1.43
225.0	2.35	2.18	2.01	1.88	1.80	1.71	1.62	1.54	1.43
247.5	2.36	2.19	2.02	1.90	1.81	1.72	1.63	1.54	1.43
270.0	2.37	2.19	2.02	1.90	1.81	1.72	1.64	1.55	1.45
292.5	2.36	2.19	2.02	1.90	1.81	1.72	1.63	1.54	1.43
315.0	2.35	2.18	2.01	1.88	1.80	1.71	1.62	1.54	1.43
337.5	2.33	2.17	2.02	1.89	1.78	1.70	1.61	1.52	1.43
360.0	2.32	2.17	2.02	1.88	1.77	1.69	1.60	1.51	1.42

C/ $\gamma(^{\circ})$	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	1.34	1.28	1.21	1.13	1.04	0.94	0.86	0.79	0.73
22.5	1.35	1.28	1.21	1.13	1.04	0.95	0.86	0.79	0.73
45.0	1.33	1.26	1.20	1.13	1.05	0.94	0.85	0.78	0.73
67.5	1.34	1.27	1.21	1.15	1.06	0.96	0.86	0.79	0.74
90.0	1.35	1.28	1.22	1.15	1.06	0.96	0.86	0.79	0.74
112.5	1.34	1.27	1.21	1.15	1.06	0.96	0.86	0.79	0.74
135.0	1.33	1.26	1.20	1.13	1.05	0.94	0.85	0.78	0.73
157.5	1.35	1.28	1.21	1.13	1.04	0.95	0.86	0.79	0.73
180.0	1.34	1.28	1.21	1.13	1.04	0.94	0.86	0.79	0.73
202.5	1.35	1.28	1.21	1.13	1.04	0.95	0.86	0.79	0.73
225.0	1.33	1.26	1.20	1.13	1.05	0.94	0.85	0.78	0.73
247.5	1.34	1.27	1.21	1.15	1.06	0.96	0.86	0.79	0.74
270.0	1.35	1.28	1.22	1.15	1.06	0.96	0.86	0.79	0.74
292.5	1.34	1.27	1.21	1.15	1.06	0.96	0.86	0.79	0.74
315.0	1.33	1.26	1.20	1.13	1.05	0.94	0.85	0.78	0.73
337.5	1.35	1.28	1.21	1.13	1.04	0.95	0.86	0.79	0.73
360.0	1.34	1.28	1.21	1.13	1.04	0.94	0.86	0.79	0.73

C/ $\gamma(^{\circ})$	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	0.68	0.62	0.56	0.51	0.46	0.41	0.37	0.34	0.30
22.5	0.68	0.63	0.57	0.51	0.46	0.41	0.38	0.34	0.30
45.0	0.68	0.62	0.57	0.51	0.45	0.41	0.37	0.34	0.30
67.5	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
90.0	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
112.5	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
135.0	0.68	0.62	0.57	0.51	0.45	0.41	0.37	0.34	0.30
157.5	0.68	0.63	0.57	0.51	0.46	0.41	0.38	0.34	0.30
180.0	0.68	0.62	0.56	0.51	0.46	0.41	0.37	0.34	0.30
202.5	0.68	0.63	0.57	0.51	0.46	0.41	0.38	0.34	0.30
225.0	0.68	0.62	0.57	0.51	0.45	0.41	0.37	0.34	0.30
247.5	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
270.0	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
292.5	0.69	0.64	0.58	0.51	0.46	0.42	0.38	0.34	0.31
315.0	0.68	0.62	0.57	0.51	0.45	0.41	0.37	0.34	0.30
337.5	0.68	0.63	0.57	0.51	0.46	0.41	0.38	0.34	0.30
360.0	0.68	0.62	0.56	0.51	0.46	0.41	0.37	0.34	0.30

C/ $\gamma(^{\circ})$	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	0.26	0.23	0.20	0.16	0.12	0.08	0.04	0.02	0.02
22.5	0.26	0.23	0.19	0.16	0.12	0.08	0.04	0.02	0.02
45.0	0.26	0.22	0.19	0.16	0.12	0.07	0.04	0.02	0.02
67.5	0.27	0.23	0.20	0.16	0.12	0.07	0.04	0.03	0.02
90.0	0.27	0.23	0.20	0.16	0.12	0.06	0.04	0.03	0.02
112.5	0.27	0.23	0.20	0.16	0.12	0.07	0.04	0.03	0.02
135.0	0.26	0.22	0.19	0.16	0.12	0.07	0.04	0.02	0.02
157.5	0.26	0.23	0.19	0.16	0.12	0.08	0.04	0.02	0.02
180.0	0.26	0.23	0.20	0.16	0.12	0.08	0.04	0.02	0.02
202.5	0.26	0.23	0.19	0.16	0.12	0.08	0.04	0.02	0.02
225.0	0.26	0.22	0.19	0.16	0.12	0.07	0.04	0.02	0.02
247.5	0.27	0.23	0.20	0.16	0.12	0.07	0.04	0.03	0.02
270.0	0.27	0.23	0.20	0.16	0.12	0.06	0.04	0.03	0.02
292.5	0.27	0.23	0.20	0.16	0.12	0.07	0.04	0.03	0.02
315.0	0.26	0.22	0.19	0.16	0.12	0.07	0.04	0.02	0.02
337.5	0.26	0.23	0.19	0.16	0.12	0.08	0.04	0.02	0.02
360.0	0.26	0.23	0.20	0.16	0.12	0.08	0.04	0.02	0.02

Intensity data(cd)										Appendix Page: 28 Total:35	
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	0.02	0.02	0.02		
22.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
45.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
67.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
90.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
112.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
135.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
157.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	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	0.02	0.02	0.02		
225.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
247.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
270.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
292.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
315.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
337.5	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02		
360.0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	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	0.03	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	0.03	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	0.03	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	0.04	0.04	0.04	0.04	0.04	0.05	0.05
22.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
45.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
67.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
90.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
112.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
135.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
157.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
180.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
202.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
225.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
247.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
270.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
292.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
315.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
337.5	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05
360.0	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	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	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09
22.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
45.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
67.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
90.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
112.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
135.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
157.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
180.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09
202.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
225.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
247.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
270.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
292.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
315.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
337.5	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08
360.0	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09

C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14
22.5	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.14
45.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
67.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
90.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
112.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
135.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
157.5	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.14
180.0	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14
202.5	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.14
225.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
247.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
270.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
292.5	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
315.0	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13
337.5	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.14
360.0	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20	0.21
22.5	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21
45.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
67.5	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
90.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
112.5	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
135.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
157.5	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21
180.0	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20	0.21
202.5	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21
225.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
247.5	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
270.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
292.5	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
315.0	0.14	0.15	0.15	0.16	0.17	0.18	0.18	0.19	0.20
337.5	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21
360.0	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20	0.21
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	0.22	0.24	0.25	0.26	0.27	0.29	0.31	0.32	0.34
22.5	0.22	0.23	0.25	0.26	0.27	0.28	0.30	0.32	0.33
45.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
67.5	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31
90.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
112.5	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31
135.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
157.5	0.22	0.23	0.25	0.26	0.27	0.28	0.30	0.32	0.33
180.0	0.22	0.24	0.25	0.26	0.27	0.29	0.31	0.32	0.34
202.5	0.22	0.23	0.25	0.26	0.27	0.28	0.30	0.32	0.33
225.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
247.5	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31
270.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
292.5	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.31
315.0	0.21	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
337.5	0.22	0.23	0.25	0.26	0.27	0.28	0.30	0.32	0.33
360.0	0.22	0.24	0.25	0.26	0.27	0.29	0.31	0.32	0.34

C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	0.36	0.38	0.40	0.43	0.45	0.48	0.51	0.54	0.58
22.5	0.35	0.37	0.39	0.41	0.44	0.46	0.49	0.52	0.55
45.0	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45	0.48
67.5	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48
90.0	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.47
112.5	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48
135.0	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45	0.48
157.5	0.35	0.37	0.39	0.41	0.44	0.46	0.49	0.52	0.55
180.0	0.36	0.38	0.40	0.43	0.45	0.48	0.51	0.54	0.58
202.5	0.35	0.37	0.39	0.41	0.44	0.46	0.49	0.52	0.55
225.0	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45	0.48
247.5	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48
270.0	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.47
292.5	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48
315.0	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45	0.48
337.5	0.35	0.37	0.39	0.41	0.44	0.46	0.49	0.52	0.55
360.0	0.36	0.38	0.40	0.43	0.45	0.48	0.51	0.54	0.58
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	0.61	0.65	0.70	0.75	0.81	0.87	0.94	1.03	1.13
22.5	0.59	0.63	0.67	0.71	0.77	0.82	0.89	0.97	1.05
45.0	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.75	0.80
67.5	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74	0.79
90.0	0.50	0.53	0.55	0.59	0.62	0.65	0.69	0.73	0.78
112.5	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74	0.79
135.0	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.75	0.80
157.5	0.59	0.63	0.67	0.71	0.77	0.82	0.89	0.97	1.05
180.0	0.61	0.65	0.70	0.75	0.81	0.87	0.94	1.03	1.13
202.5	0.59	0.63	0.67	0.71	0.77	0.82	0.89	0.97	1.05
225.0	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.75	0.80
247.5	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74	0.79
270.0	0.50	0.53	0.55	0.59	0.62	0.65	0.69	0.73	0.78
292.5	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.74	0.79
315.0	0.50	0.53	0.56	0.59	0.62	0.66	0.70	0.75	0.80
337.5	0.59	0.63	0.67	0.71	0.77	0.82	0.89	0.97	1.05
360.0	0.61	0.65	0.70	0.75	0.81	0.87	0.94	1.03	1.13
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	1.24	1.37	1.50	1.63	1.75	1.86	1.95	2.03	2.10
22.5	1.15	1.27	1.39	1.51	1.63	1.73	1.82	1.90	1.97
45.0	0.86	0.92	0.99	1.08	1.16	1.25	1.34	1.43	1.51
67.5	0.84	0.90	0.97	1.04	1.13	1.23	1.33	1.43	1.54
90.0	0.83	0.89	0.95	1.02	1.11	1.20	1.31	1.42	1.54
112.5	0.84	0.90	0.97	1.04	1.13	1.23	1.33	1.43	1.54
135.0	0.86	0.92	0.99	1.08	1.16	1.25	1.34	1.43	1.51
157.5	1.15	1.27	1.39	1.51	1.63	1.73	1.82	1.90	1.97
180.0	1.24	1.37	1.50	1.63	1.75	1.86	1.95	2.03	2.10
202.5	1.15	1.27	1.39	1.51	1.63	1.73	1.82	1.90	1.97
225.0	0.86	0.92	0.99	1.08	1.16	1.25	1.34	1.43	1.51
247.5	0.84	0.90	0.97	1.04	1.13	1.23	1.33	1.43	1.54
270.0	0.83	0.89	0.95	1.02	1.11	1.20	1.31	1.42	1.54
292.5	0.84	0.90	0.97	1.04	1.13	1.23	1.33	1.43	1.54
315.0	0.86	0.92	0.99	1.08	1.16	1.25	1.34	1.43	1.51
337.5	1.15	1.27	1.39	1.51	1.63	1.73	1.82	1.90	1.97
360.0	1.24	1.37	1.50	1.63	1.75	1.86	1.95	2.03	2.10

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	2.16	2.21	2.26	2.30	2.33	2.36	2.39	2.41	2.43
22.5	2.03	2.09	2.13	2.17	2.21	2.24	2.27	2.29	2.31
45.0	1.60	1.68	1.76	1.83	1.89	1.94	1.99	2.03	2.07
67.5	1.64	1.74	1.82	1.90	1.97	2.02	2.07	2.12	2.15
90.0	1.65	1.74	1.83	1.91	1.97	2.03	2.07	2.12	2.15
112.5	1.64	1.74	1.82	1.90	1.97	2.02	2.07	2.12	2.15
135.0	1.60	1.68	1.76	1.83	1.89	1.94	1.99	2.03	2.07
157.5	2.03	2.09	2.13	2.17	2.21	2.24	2.27	2.29	2.31
180.0	2.16	2.21	2.26	2.30	2.33	2.36	2.39	2.41	2.43
202.5	2.03	2.09	2.13	2.17	2.21	2.24	2.27	2.29	2.31
225.0	1.60	1.68	1.76	1.83	1.89	1.94	1.99	2.03	2.07
247.5	1.64	1.74	1.82	1.90	1.97	2.02	2.07	2.12	2.15
270.0	1.65	1.74	1.83	1.91	1.97	2.03	2.07	2.12	2.15
292.5	1.64	1.74	1.82	1.90	1.97	2.02	2.07	2.12	2.15
315.0	1.60	1.68	1.76	1.83	1.89	1.94	1.99	2.03	2.07
337.5	2.03	2.09	2.13	2.17	2.21	2.24	2.27	2.29	2.31
360.0	2.16	2.21	2.26	2.30	2.33	2.36	2.39	2.41	2.43
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	2.45	2.47	2.48	2.49	2.50	2.51	2.52	2.52	2.52
22.5	2.33	2.35	2.36	2.37	2.38	2.39	2.39	2.39	2.39
45.0	2.09	2.12	2.14	2.16	2.18	2.19	2.20	2.21	2.22
67.5	2.18	2.21	2.24	2.26	2.28	2.30	2.31	2.32	2.33
90.0	2.18	2.21	2.24	2.26	2.28	2.29	2.31	2.32	2.33
112.5	2.18	2.21	2.24	2.26	2.28	2.30	2.31	2.32	2.33
135.0	2.09	2.12	2.14	2.16	2.18	2.19	2.20	2.21	2.22
157.5	2.33	2.35	2.36	2.37	2.38	2.39	2.39	2.39	2.39
180.0	2.45	2.47	2.48	2.49	2.50	2.51	2.52	2.52	2.52
202.5	2.33	2.35	2.36	2.37	2.38	2.39	2.39	2.39	2.39
225.0	2.09	2.12	2.14	2.16	2.18	2.19	2.20	2.21	2.22
247.5	2.18	2.21	2.24	2.26	2.28	2.30	2.31	2.32	2.33
270.0	2.18	2.21	2.24	2.26	2.28	2.29	2.31	2.32	2.33
292.5	2.18	2.21	2.24	2.26	2.28	2.30	2.31	2.32	2.33
315.0	2.09	2.12	2.14	2.16	2.18	2.19	2.20	2.21	2.22
337.5	2.33	2.35	2.36	2.37	2.38	2.39	2.39	2.39	2.39
360.0	2.45	2.47	2.48	2.49	2.50	2.51	2.52	2.52	2.52
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	2.52	2.52	2.51	2.50	2.49	2.48	2.46	2.43	2.40
22.5	2.39	2.39	2.38	2.37	2.36	2.34	2.32	2.30	2.27
45.0	2.22	2.23	2.23	2.22	2.22	2.22	2.21	2.20	2.18
67.5	2.34	2.35	2.36	2.36	2.36	2.36	2.36	2.35	2.34
90.0	2.34	2.35	2.35	2.36	2.36	2.36	2.35	2.35	2.34
112.5	2.34	2.35	2.36	2.36	2.36	2.36	2.36	2.35	2.34
135.0	2.22	2.23	2.23	2.22	2.22	2.22	2.21	2.20	2.18
157.5	2.39	2.39	2.38	2.37	2.36	2.34	2.32	2.30	2.27
180.0	2.52	2.52	2.51	2.50	2.49	2.48	2.46	2.43	2.40
202.5	2.39	2.39	2.38	2.37	2.36	2.34	2.32	2.30	2.27
225.0	2.22	2.23	2.23	2.22	2.22	2.22	2.21	2.20	2.18
247.5	2.34	2.35	2.36	2.36	2.36	2.36	2.36	2.35	2.34
270.0	2.34	2.35	2.35	2.36	2.36	2.36	2.35	2.35	2.34
292.5	2.34	2.35	2.36	2.36	2.36	2.36	2.36	2.35	2.34
315.0	2.22	2.23	2.23	2.22	2.22	2.22	2.21	2.20	2.18
337.5	2.39	2.39	2.38	2.37	2.36	2.34	2.32	2.30	2.27
360.0	2.52	2.52	2.51	2.50	2.49	2.48	2.46	2.43	2.40

C/ $\gamma(^{\circ})$	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	2.37	2.33	2.29	2.24	2.18	2.11	2.04	1.95	1.85
22.5	2.24	2.20	2.16	2.11	2.06	2.00	1.93	1.85	1.76
45.0	2.16	2.14	2.12	2.09	2.05	2.01	1.97	1.92	1.86
67.5	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
90.0	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
112.5	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
135.0	2.16	2.14	2.12	2.09	2.05	2.01	1.97	1.92	1.86
157.5	2.24	2.20	2.16	2.11	2.06	2.00	1.93	1.85	1.76
180.0	2.37	2.33	2.29	2.24	2.18	2.11	2.04	1.95	1.85
202.5	2.24	2.20	2.16	2.11	2.06	2.00	1.93	1.85	1.76
225.0	2.16	2.14	2.12	2.09	2.05	2.01	1.97	1.92	1.86
247.5	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
270.0	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
292.5	2.33	2.31	2.29	2.27	2.24	2.21	2.17	2.13	2.08
315.0	2.16	2.14	2.12	2.09	2.05	2.01	1.97	1.92	1.86
337.5	2.24	2.20	2.16	2.11	2.06	2.00	1.93	1.85	1.76
360.0	2.37	2.33	2.29	2.24	2.18	2.11	2.04	1.95	1.85
C/ $\gamma(^{\circ})$	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	1.74	1.62	1.50	1.39	1.28	1.19	1.12	1.05	0.98
22.5	1.67	1.56	1.45	1.34	1.24	1.15	1.07	1.00	0.94
45.0	1.80	1.73	1.65	1.57	1.48	1.38	1.30	1.21	1.13
67.5	2.02	1.96	1.88	1.80	1.71	1.61	1.51	1.41	1.30
90.0	2.02	1.96	1.89	1.81	1.72	1.62	1.51	1.40	1.29
112.5	2.02	1.96	1.88	1.80	1.71	1.61	1.51	1.41	1.30
135.0	1.80	1.73	1.65	1.57	1.48	1.38	1.30	1.21	1.13
157.5	1.67	1.56	1.45	1.34	1.24	1.15	1.07	1.00	0.94
180.0	1.74	1.62	1.50	1.39	1.28	1.19	1.12	1.05	0.98
202.5	1.67	1.56	1.45	1.34	1.24	1.15	1.07	1.00	0.94
225.0	1.80	1.73	1.65	1.57	1.48	1.38	1.30	1.21	1.13
247.5	2.02	1.96	1.88	1.80	1.71	1.61	1.51	1.41	1.30
270.0	2.02	1.96	1.89	1.81	1.72	1.62	1.51	1.40	1.29
292.5	2.02	1.96	1.88	1.80	1.71	1.61	1.51	1.41	1.30
315.0	1.80	1.73	1.65	1.57	1.48	1.38	1.30	1.21	1.13
337.5	1.67	1.56	1.45	1.34	1.24	1.15	1.07	1.00	0.94
360.0	1.74	1.62	1.50	1.39	1.28	1.19	1.12	1.05	0.98
C/ $\gamma(^{\circ})$	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	0.93	0.87	0.83	0.79	0.75	0.71	0.68	0.65	0.63
22.5	0.88	0.83	0.78	0.73	0.69	0.66	0.62	0.59	0.56
45.0	1.05	0.97	0.90	0.84	0.79	0.74	0.70	0.66	0.63
67.5	1.21	1.12	1.04	0.97	0.91	0.86	0.82	0.78	0.74
90.0	1.19	1.11	1.03	0.96	0.91	0.85	0.81	0.77	0.73
112.5	1.21	1.12	1.04	0.97	0.91	0.86	0.82	0.78	0.74
135.0	1.05	0.97	0.90	0.84	0.79	0.74	0.70	0.66	0.63
157.5	0.88	0.83	0.78	0.73	0.69	0.66	0.62	0.59	0.56
180.0	0.93	0.87	0.83	0.79	0.75	0.71	0.68	0.65	0.63
202.5	0.88	0.83	0.78	0.73	0.69	0.66	0.62	0.59	0.56
225.0	1.05	0.97	0.90	0.84	0.79	0.74	0.70	0.66	0.63
247.5	1.21	1.12	1.04	0.97	0.91	0.86	0.82	0.78	0.74
270.0	1.19	1.11	1.03	0.96	0.91	0.85	0.81	0.77	0.73
292.5	1.21	1.12	1.04	0.97	0.91	0.86	0.82	0.78	0.74
315.0	1.05	0.97	0.90	0.84	0.79	0.74	0.70	0.66	0.63
337.5	0.88	0.83	0.78	0.73	0.69	0.66	0.62	0.59	0.56
360.0	0.93	0.87	0.83	0.79	0.75	0.71	0.68	0.65	0.63

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	0.60	0.58	0.56	0.55	0.53	0.52	0.51	0.49	0.49
22.5	0.54	0.52	0.52	0.51	0.51	0.52	0.51	0.49	0.49
45.0	0.60	0.58	0.55	0.54	0.53	0.52	0.52	0.49	0.49
67.5	0.71	0.68	0.64	0.61	0.59	0.57	0.53	0.49	0.49
90.0	0.71	0.68	0.66	0.64	0.63	0.59	0.54	0.49	0.49
112.5	0.71	0.68	0.64	0.61	0.59	0.57	0.53	0.49	0.49
135.0	0.60	0.58	0.55	0.54	0.53	0.52	0.52	0.49	0.49
157.5	0.54	0.52	0.52	0.51	0.51	0.52	0.51	0.49	0.49
180.0	0.60	0.58	0.56	0.55	0.53	0.52	0.51	0.49	0.49
202.5	0.54	0.52	0.52	0.51	0.51	0.52	0.51	0.49	0.49
225.0	0.60	0.58	0.55	0.54	0.53	0.52	0.52	0.49	0.49
247.5	0.71	0.68	0.64	0.61	0.59	0.57	0.53	0.49	0.49
270.0	0.71	0.68	0.66	0.64	0.63	0.59	0.54	0.49	0.49
292.5	0.71	0.68	0.64	0.61	0.59	0.57	0.53	0.49	0.49
315.0	0.60	0.58	0.55	0.54	0.53	0.52	0.52	0.49	0.49
337.5	0.54	0.52	0.52	0.51	0.51	0.52	0.51	0.49	0.49
360.0	0.60	0.58	0.56	0.55	0.53	0.52	0.51	0.49	0.49
C/γ(°)	180.0								
0.0	0.48								
22.5	0.48								
45.0	0.48								
67.5	0.48								
90.0	0.48								
112.5	0.48								
135.0	0.48								
157.5	0.48								
180.0	0.48								
202.5	0.48								
225.0	0.48								
247.5	0.48								
270.0	0.48								
292.5	0.48								
315.0	0.48								
337.5	0.48								
360.0	0.48								