

Report No	:		Voltage	:	V
Test No	:	A2206048A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	39.000 W
Luminaire	:	0017440094 LUMIK03&	PF	:	
		0017440097 LUMIK06 39W 4000K 2800lm	Ballast type	:	
LampCAT	:		Width	:	-85 mm
Lamp flux	:	2800.0 lm	Length	:	-85 mm
Number of Lamps	:	1	Height	:	0 mm
Phm Type	:	C			

Photometric Results

Lumens(lm)	:	2800.00	Central intensity(cd)	:	5803.703
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	5803.703
Luminous Efficacy(lm/W)	:	71.79	Angle of maximum intensity	:	C=0.0 γ =0.0
Beam Angle(50%Imax)	:	[C0/180]Total=35.0 [C90/270]Total=35.6			
Field angle(10%Imax)	:	[C0/180]Total=71.4 [C90/270]Total=72.4			
Maximum s/h(1/2)	:	C0_180=0.57 C90_270=0.58			
Maximum s/h(1/4)	:	C0_180=0.62 C90_270=0.63			
Up flux rate of lamp(%)	:	0.38%			
Down flux rate of lamp(%)	:	99.62%			
Up flux rate of LUM(%)	:	0.38%			
Down flux rate of LUM(%)	:	99.62%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	99.249%			

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	5803.703	0.000	0	0.00%	0.00%
0.5	5797.927	1.388	1.388	0.05%	0.05%
1.0	5788.612	4.158	5.546	0.15%	0.20%
1.5	5779.919	6.919	12.464	0.25%	0.45%
2.0	5768.287	9.668	22.133	0.35%	0.79%
2.5	5736.609	12.383	34.516	0.44%	1.23%
3.0	5701.010	15.044	49.56	0.54%	1.77%
3.5	5674.032	17.680	67.24	0.63%	2.40%
4.0	5623.819	20.258	87.498	0.72%	3.12%
4.5	5575.115	22.753	110.251	0.81%	3.94%
5.0	5515.808	25.179	135.43	0.90%	4.84%
5.5	5451.778	27.513	162.943	0.98%	5.82%
6.0	5380.262	29.752	192.695	1.06%	6.88%
6.5	5303.189	31.886	224.581	1.14%	8.02%
7.0	5228.459	33.937	258.518	1.21%	9.23%
7.5	5138.523	35.868	294.386	1.28%	10.51%
8.0	5051.892	37.674	332.06	1.35%	11.86%
8.5	4967.261	39.415	371.474	1.41%	13.27%
9.0	4871.499	41.033	412.507	1.47%	14.73%
9.5	4771.116	42.493	455.001	1.52%	16.25%
10.0	4667.964	43.824	498.824	1.57%	17.82%
10.5	4561.936	45.027	543.852	1.61%	19.42%
11.0	4448.062	46.074	589.926	1.65%	21.07%
11.5	4329.433	46.946	636.872	1.68%	22.75%
12.0	4209.780	47.674	684.546	1.70%	24.45%
12.5	4092.908	48.296	732.842	1.72%	26.17%
13.0	3972.165	48.798	781.64	1.74%	27.92%
13.5	3846.638	49.131	830.771	1.75%	29.67%
14.0	3729.723	49.370	880.14	1.76%	31.43%
14.5	3611.000	49.538	929.679	1.77%	33.20%
15.0	3495.011	49.600	979.279	1.77%	34.97%
15.5	3379.782	49.575	1028.854	1.77%	36.74%
16.0	3266.097	49.456	1078.31	1.77%	38.51%
16.5	3157.836	49.282	1127.592	1.76%	40.27%
17.0	3047.556	49.029	1176.621	1.75%	42.02%
17.5	2938.725	48.667	1225.289	1.74%	43.76%
18.0	2832.349	48.235	1273.523	1.72%	45.48%
18.5	2728.993	47.747	1321.271	1.71%	47.19%

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	2626.916	47.199	1368.469	1.69%	48.87%
19.5	2526.764	46.582	1415.051	1.66%	50.54%
20.0	2432.278	45.941	1460.993	1.64%	52.18%
20.5	2340.918	45.293	1506.285	1.62%	53.80%
21.0	2253.709	44.628	1550.913	1.59%	55.39%
21.5	2175.151	44.007	1594.92	1.57%	56.96%
22.0	2105.201	43.484	1638.404	1.55%	58.51%
22.5	2041.857	43.050	1681.454	1.54%	60.05%
23.0	1980.265	42.642	1724.096	1.52%	61.57%
23.5	1923.392	42.246	1766.342	1.51%	63.08%
24.0	1868.015	41.863	1808.205	1.50%	64.58%
24.5	1817.117	41.495	1849.699	1.48%	66.06%
25.0	1768.195	41.151	1890.851	1.47%	67.53%
25.5	1723.120	40.829	1931.68	1.46%	68.99%
26.0	1676.473	40.491	1972.171	1.45%	70.43%
26.5	1627.701	40.065	2012.236	1.43%	71.87%
27.0	1575.528	39.527	2051.763	1.41%	73.28%
27.5	1522.672	38.891	2090.654	1.39%	74.67%
28.0	1468.381	38.181	2128.835	1.36%	76.03%
28.5	1413.543	37.397	2166.232	1.34%	77.37%
29.0	1357.080	36.535	2202.767	1.30%	78.67%
29.5	1300.719	35.603	2238.37	1.27%	79.94%
30.0	1244.232	34.622	2272.991	1.24%	81.18%
30.5	1189.075	33.607	2306.598	1.20%	82.38%
31.0	1133.145	32.551	2339.15	1.16%	83.54%
31.5	1075.895	31.418	2370.568	1.12%	84.66%
32.0	1019.708	30.232	2400.8	1.08%	85.74%
32.5	963.376	29.011	2429.811	1.04%	86.78%
33.0	905.630	27.719	2457.53	0.99%	87.77%
33.5	848.914	26.374	2483.904	0.94%	88.71%
34.0	791.783	24.990	2508.894	0.89%	89.60%
34.5	735.217	23.561	2532.455	0.84%	90.44%
35.0	680.637	22.125	2554.58	0.79%	91.23%
35.5	625.826	20.672	2575.252	0.74%	91.97%
36.0	575.196	19.237	2594.489	0.69%	92.66%
36.5	525.054	17.836	2612.325	0.64%	93.30%
37.0	477.208	16.440	2628.766	0.59%	93.88%
37.5	431.289	15.076	2643.842	0.54%	94.42%

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	388.480	13.759	2657.601	0.49%	94.91%
38.5	347.332	12.489	2670.09	0.45%	95.36%
39.0	309.551	11.272	2681.362	0.40%	95.76%
39.5	274.140	10.125	2691.486	0.36%	96.12%
40.0	241.631	9.042	2700.528	0.32%	96.45%
40.5	212.000	8.036	2708.564	0.29%	96.73%
41.0	187.267	7.145	2715.709	0.26%	96.99%
41.5	166.514	6.395	2722.104	0.23%	97.22%
42.0	150.487	5.787	2727.891	0.21%	97.42%
42.5	135.647	5.274	2733.165	0.19%	97.61%
43.0	121.025	4.777	2737.942	0.17%	97.78%
43.5	106.190	4.268	2742.21	0.15%	97.94%
44.0	91.982	3.757	2745.967	0.13%	98.07%
44.5	77.618	3.244	2749.211	0.12%	98.19%
45.0	63.561	2.725	2751.936	0.10%	98.28%
45.5	49.852	2.208	2754.144	0.08%	98.36%
46.0	38.217	1.729	2755.874	0.06%	98.42%
46.5	30.915	1.369	2757.243	0.05%	98.47%
47.0	27.265	1.162	2758.405	0.04%	98.51%
47.5	25.194	1.056	2759.461	0.04%	98.55%
48.0	23.730	0.993	2760.454	0.04%	98.59%
48.5	22.661	0.949	2761.402	0.03%	98.62%
49.0	21.748	0.915	2762.318	0.03%	98.65%
49.5	20.959	0.887	2763.205	0.03%	98.69%
50.0	20.249	0.862	2764.067	0.03%	98.72%
50.5	19.625	0.840	2764.908	0.03%	98.75%
51.0	19.057	0.821	2765.729	0.03%	98.78%
51.5	18.456	0.802	2766.531	0.03%	98.80%
52.0	17.929	0.783	2767.314	0.03%	98.83%
52.5	17.434	0.767	2768.081	0.03%	98.86%
53.0	17.049	0.753	2768.833	0.03%	98.89%
53.5	16.841	0.744	2769.578	0.03%	98.91%
54.0	16.714	0.742	2770.32	0.03%	98.94%
54.5	16.643	0.742	2771.062	0.03%	98.97%
55.0	16.605	0.744	2771.806	0.03%	98.99%
55.5	16.557	0.747	2772.553	0.03%	99.02%
56.0	16.420	0.747	2773.3	0.03%	99.05%
56.5	16.136	0.742	2774.043	0.03%	99.07%

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

Date:
Humidity(%): 55.3%

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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	15.708	0.730	2774.773	0.03%	99.10%
57.5	15.364	0.716	2775.489	0.03%	99.12%
58.0	15.093	0.706	2776.195	0.03%	99.15%
58.5	14.933	0.700	2776.895	0.02%	99.17%
59.0	14.746	0.696	2777.591	0.02%	99.20%
59.5	14.528	0.690	2778.281	0.02%	99.22%
60.0	14.090	0.678	2778.958	0.02%	99.25%
60.5	13.554	0.658	2779.616	0.02%	99.27%
61.0	12.856	0.632	2780.248	0.02%	99.29%
61.5	12.169	0.601	2780.849	0.02%	99.32%
62.0	11.489	0.571	2781.421	0.02%	99.34%
62.5	10.884	0.543	2781.964	0.02%	99.36%
63.0	10.392	0.519	2782.482	0.02%	99.37%
63.5	9.918	0.497	2782.979	0.02%	99.39%
64.0	9.262	0.472	2783.451	0.02%	99.41%
64.5	8.551	0.440	2783.891	0.02%	99.42%
65.0	7.900	0.408	2784.299	0.01%	99.44%
65.5	7.398	0.381	2784.68	0.01%	99.45%
66.0	6.999	0.360	2785.039	0.01%	99.47%
66.5	6.649	0.342	2785.382	0.01%	99.48%
67.0	6.237	0.325	2785.707	0.01%	99.49%
67.5	5.741	0.303	2786.009	0.01%	99.50%
68.0	5.258	0.279	2786.288	0.01%	99.51%
68.5	4.874	0.258	2786.546	0.01%	99.52%
69.0	4.560	0.241	2786.788	0.01%	99.53%
69.5	4.304	0.227	2787.015	0.01%	99.54%
70.0	4.100	0.216	2787.231	0.01%	99.54%
70.5	3.853	0.205	2787.436	0.01%	99.55%
71.0	3.465	0.189	2787.626	0.01%	99.56%
71.5	3.107	0.171	2787.796	0.01%	99.56%
72.0	2.833	0.155	2787.951	0.01%	99.57%
72.5	2.626	0.143	2788.093	0.01%	99.57%
73.0	2.402	0.132	2788.225	0.00%	99.58%
73.5	2.233	0.122	2788.347	0.00%	99.58%
74.0	2.056	0.113	2788.459	0.00%	99.59%
74.5	1.869	0.104	2788.563	0.00%	99.59%
75.0	1.722	0.095	2788.658	0.00%	99.59%
75.5	1.532	0.086	2788.744	0.00%	99.60%

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	1.408	0.078	2788.822	0.00%	99.60%
76.5	1.339	0.073	2788.896	0.00%	99.60%
77.0	1.250	0.069	2788.965	0.00%	99.61%
77.5	1.173	0.065	2789.029	0.00%	99.61%
78.0	1.105	0.061	2789.09	0.00%	99.61%
78.5	1.035	0.057	2789.148	0.00%	99.61%
79.0	0.981	0.054	2789.202	0.00%	99.61%
79.5	0.954	0.052	2789.254	0.00%	99.62%
80.0	0.852	0.049	2789.303	0.00%	99.62%
80.5	0.688	0.042	2789.345	0.00%	99.62%
81.0	0.549	0.033	2789.378	0.00%	99.62%
81.5	0.426	0.026	2789.404	0.00%	99.62%
82.0	0.326	0.020	2789.425	0.00%	99.62%
82.5	0.199	0.014	2789.439	0.00%	99.62%
83.0	0.089	0.008	2789.447	0.00%	99.62%
83.5	0.032	0.003	2789.45	0.00%	99.62%
84.0	0.011	0.001	2789.451	0.00%	99.62%
84.5	0.005	0.000	2789.452	0.00%	99.62%
85.0	0.008	0.000	2789.452	0.00%	99.62%
85.5	0.001	0.000	2789.452	0.00%	99.62%
86.0	0.000	0.000	2789.452	0.00%	99.62%
86.5	0.000	0.000	2789.452	0.00%	99.62%
87.0	0.000	0.000	2789.452	0.00%	99.62%
87.5	0.000	0.000	2789.452	0.00%	99.62%
88.0	0.000	0.000	2789.452	0.00%	99.62%
88.5	0.000	0.000	2789.452	0.00%	99.62%
89.0	0.000	0.000	2789.452	0.00%	99.62%
89.5	0.000	0.000	2789.452	0.00%	99.62%
90.0	0.000	0.000	2789.452	0.00%	99.62%
90.5	0.000	0.000	2789.452	0.00%	99.62%
91.0	0.000	0.000	2789.452	0.00%	99.62%
91.5	0.000	0.000	2789.452	0.00%	99.62%
92.0	0.000	0.000	2789.452	0.00%	99.62%
92.5	0.000	0.000	2789.452	0.00%	99.62%
93.0	0.000	0.000	2789.452	0.00%	99.62%
93.5	0.000	0.000	2789.452	0.00%	99.62%
94.0	0.000	0.000	2789.452	0.00%	99.62%
94.5	0.000	0.000	2789.452	0.00%	99.62%

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	0.000	0.000	2789.452	0.00%	99.62%
95.5	0.000	0.000	2789.452	0.00%	99.62%
96.0	0.000	0.000	2789.452	0.00%	99.62%
96.5	0.000	0.000	2789.452	0.00%	99.62%
97.0	0.000	0.000	2789.452	0.00%	99.62%
97.5	0.000	0.000	2789.452	0.00%	99.62%
98.0	0.000	0.000	2789.452	0.00%	99.62%
98.5	0.000	0.000	2789.452	0.00%	99.62%
99.0	0.000	0.000	2789.452	0.00%	99.62%
99.5	0.000	0.000	2789.452	0.00%	99.62%
100.0	0.000	0.000	2789.452	0.00%	99.62%
100.5	0.000	0.000	2789.452	0.00%	99.62%
101.0	0.000	0.000	2789.452	0.00%	99.62%
101.5	0.000	0.000	2789.452	0.00%	99.62%
102.0	0.000	0.000	2789.452	0.00%	99.62%
102.5	0.000	0.000	2789.452	0.00%	99.62%
103.0	0.000	0.000	2789.452	0.00%	99.62%
103.5	0.000	0.000	2789.452	0.00%	99.62%
104.0	0.000	0.000	2789.452	0.00%	99.62%
104.5	0.000	0.000	2789.452	0.00%	99.62%
105.0	0.000	0.000	2789.452	0.00%	99.62%
105.5	0.000	0.000	2789.452	0.00%	99.62%
106.0	0.000	0.000	2789.452	0.00%	99.62%
106.5	0.000	0.000	2789.452	0.00%	99.62%
107.0	0.000	0.000	2789.452	0.00%	99.62%
107.5	0.000	0.000	2789.452	0.00%	99.62%
108.0	0.000	0.000	2789.452	0.00%	99.62%
108.5	0.000	0.000	2789.452	0.00%	99.62%
109.0	0.000	0.000	2789.452	0.00%	99.62%
109.5	0.000	0.000	2789.452	0.00%	99.62%
110.0	0.000	0.000	2789.452	0.00%	99.62%
110.5	0.000	0.000	2789.452	0.00%	99.62%
111.0	0.000	0.000	2789.452	0.00%	99.62%
111.5	0.000	0.000	2789.452	0.00%	99.62%
112.0	0.000	0.000	2789.452	0.00%	99.62%
112.5	0.000	0.000	2789.452	0.00%	99.62%
113.0	0.000	0.000	2789.452	0.00%	99.62%
113.5	0.000	0.000	2789.452	0.00%	99.62%

Equipment: GMS-1800
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Date:
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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	0.004	0.000	2789.452	0.00%	99.62%
114.5	0.005	0.000	2789.453	0.00%	99.62%
115.0	0.004	0.000	2789.453	0.00%	99.62%
115.5	0.004	0.000	2789.453	0.00%	99.62%
116.0	0.004	0.000	2789.453	0.00%	99.62%
116.5	0.004	0.000	2789.453	0.00%	99.62%
117.0	0.002	0.000	2789.454	0.00%	99.62%
117.5	0.007	0.000	2789.454	0.00%	99.62%
118.0	0.000	0.000	2789.454	0.00%	99.62%
118.5	0.000	0.000	2789.454	0.00%	99.62%
119.0	0.004	0.000	2789.454	0.00%	99.62%
119.5	0.004	0.000	2789.454	0.00%	99.62%
120.0	0.000	0.000	2789.454	0.00%	99.62%
120.5	0.001	0.000	2789.454	0.00%	99.62%
121.0	0.004	0.000	2789.455	0.00%	99.62%
121.5	0.007	0.000	2789.455	0.00%	99.62%
122.0	0.022	0.001	2789.456	0.00%	99.62%
122.5	0.021	0.001	2789.456	0.00%	99.62%
123.0	0.023	0.001	2789.458	0.00%	99.62%
123.5	0.041	0.001	2789.459	0.00%	99.62%
124.0	0.039	0.002	2789.461	0.00%	99.62%
124.5	0.038	0.002	2789.463	0.00%	99.62%
125.0	0.040	0.002	2789.464	0.00%	99.62%
125.5	0.052	0.002	2789.466	0.00%	99.62%
126.0	0.067	0.003	2789.469	0.00%	99.62%
126.5	0.080	0.003	2789.472	0.00%	99.62%
127.0	0.072	0.003	2789.476	0.00%	99.62%
127.5	0.080	0.003	2789.479	0.00%	99.62%
128.0	0.084	0.004	2789.482	0.00%	99.62%
128.5	0.095	0.004	2789.486	0.00%	99.62%
129.0	0.111	0.004	2789.491	0.00%	99.62%
129.5	0.118	0.005	2789.496	0.00%	99.62%
130.0	0.135	0.005	2789.501	0.00%	99.63%
130.5	0.147	0.006	2789.507	0.00%	99.63%
131.0	0.177	0.007	2789.514	0.00%	99.63%
131.5	0.178	0.007	2789.521	0.00%	99.63%
132.0	0.193	0.008	2789.528	0.00%	99.63%
132.5	0.202	0.008	2789.536	0.00%	99.63%

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	0.233	0.009	2789.545	0.00%	99.63%
133.5	0.250	0.010	2789.555	0.00%	99.63%
134.0	0.264	0.010	2789.565	0.00%	99.63%
134.5	0.293	0.011	2789.576	0.00%	99.63%
135.0	0.314	0.012	2789.588	0.00%	99.63%
135.5	0.339	0.013	2789.6	0.00%	99.63%
136.0	0.348	0.013	2789.613	0.00%	99.63%
136.5	0.390	0.014	2789.627	0.00%	99.63%
137.0	0.431	0.015	2789.643	0.00%	99.63%
137.5	0.496	0.017	2789.66	0.00%	99.63%
138.0	0.637	0.021	2789.681	0.00%	99.63%
138.5	0.822	0.027	2789.708	0.00%	99.63%
139.0	0.922	0.032	2789.739	0.00%	99.63%
139.5	0.987	0.034	2789.773	0.00%	99.63%
140.0	1.019	0.036	2789.809	0.00%	99.64%
140.5	1.053	0.036	2789.845	0.00%	99.64%
141.0	1.115	0.038	2789.883	0.00%	99.64%
141.5	1.177	0.039	2789.922	0.00%	99.64%
142.0	1.268	0.041	2789.964	0.00%	99.64%
142.5	1.343	0.044	2790.007	0.00%	99.64%
143.0	1.468	0.047	2790.054	0.00%	99.64%
143.5	1.622	0.051	2790.105	0.00%	99.65%
144.0	1.799	0.055	2790.16	0.00%	99.65%
144.5	1.939	0.060	2790.22	0.00%	99.65%
145.0	2.032	0.063	2790.283	0.00%	99.65%
145.5	2.158	0.065	2790.348	0.00%	99.66%
146.0	2.282	0.069	2790.417	0.00%	99.66%
146.5	2.427	0.072	2790.489	0.00%	99.66%
147.0	2.599	0.076	2790.564	0.00%	99.66%
147.5	2.794	0.080	2790.644	0.00%	99.67%
148.0	2.950	0.084	2790.728	0.00%	99.67%
148.5	3.104	0.087	2790.816	0.00%	99.67%
149.0	3.265	0.091	2790.906	0.00%	99.68%
149.5	3.415	0.094	2791	0.00%	99.68%
150.0	3.599	0.097	2791.097	0.00%	99.68%
150.5	3.820	0.101	2791.198	0.00%	99.69%
151.0	3.997	0.105	2791.302	0.00%	99.69%
151.5	4.165	0.108	2791.41	0.00%	99.69%

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	4.348	0.110	2791.52	0.00%	99.70%
152.5	4.529	0.113	2791.634	0.00%	99.70%
153.0	4.769	0.117	2791.75	0.00%	99.71%
153.5	5.047	0.121	2791.872	0.00%	99.71%
154.0	5.206	0.124	2791.996	0.00%	99.71%
154.5	5.367	0.126	2792.122	0.00%	99.72%
155.0	5.585	0.128	2792.25	0.00%	99.72%
155.5	5.793	0.131	2792.38	0.00%	99.73%
156.0	6.044	0.133	2792.514	0.00%	99.73%
156.5	6.257	0.136	2792.65	0.00%	99.74%
157.0	6.508	0.138	2792.788	0.00%	99.74%
157.5	6.803	0.141	2792.929	0.01%	99.75%
158.0	7.082	0.144	2793.073	0.01%	99.75%
158.5	7.383	0.147	2793.22	0.01%	99.76%
159.0	7.726	0.150	2793.37	0.01%	99.76%
159.5	8.053	0.153	2793.523	0.01%	99.77%
160.0	8.398	0.156	2793.679	0.01%	99.77%
160.5	8.804	0.159	2793.839	0.01%	99.78%
161.0	9.173	0.162	2794.001	0.01%	99.79%
161.5	9.626	0.166	2794.167	0.01%	99.79%
162.0	10.030	0.169	2794.336	0.01%	99.80%
162.5	10.487	0.171	2794.507	0.01%	99.80%
163.0	10.944	0.174	2794.681	0.01%	99.81%
163.5	11.475	0.177	2794.858	0.01%	99.82%
164.0	12.014	0.180	2795.039	0.01%	99.82%
164.5	12.568	0.183	2795.222	0.01%	99.83%
165.0	13.178	0.186	2795.407	0.01%	99.84%
165.5	13.840	0.189	2795.596	0.01%	99.84%
166.0	14.540	0.192	2795.787	0.01%	99.85%
166.5	15.287	0.194	2795.982	0.01%	99.86%
167.0	16.062	0.197	2796.179	0.01%	99.86%
167.5	16.884	0.199	2796.378	0.01%	99.87%
168.0	17.738	0.201	2796.579	0.01%	99.88%
168.5	18.593	0.203	2796.782	0.01%	99.89%
169.0	19.437	0.203	2796.986	0.01%	99.89%
169.5	20.205	0.203	2797.188	0.01%	99.90%
170.0	20.988	0.201	2797.389	0.01%	99.91%
170.5	21.737	0.198	2797.588	0.01%	99.91%

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

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 11 Total:35

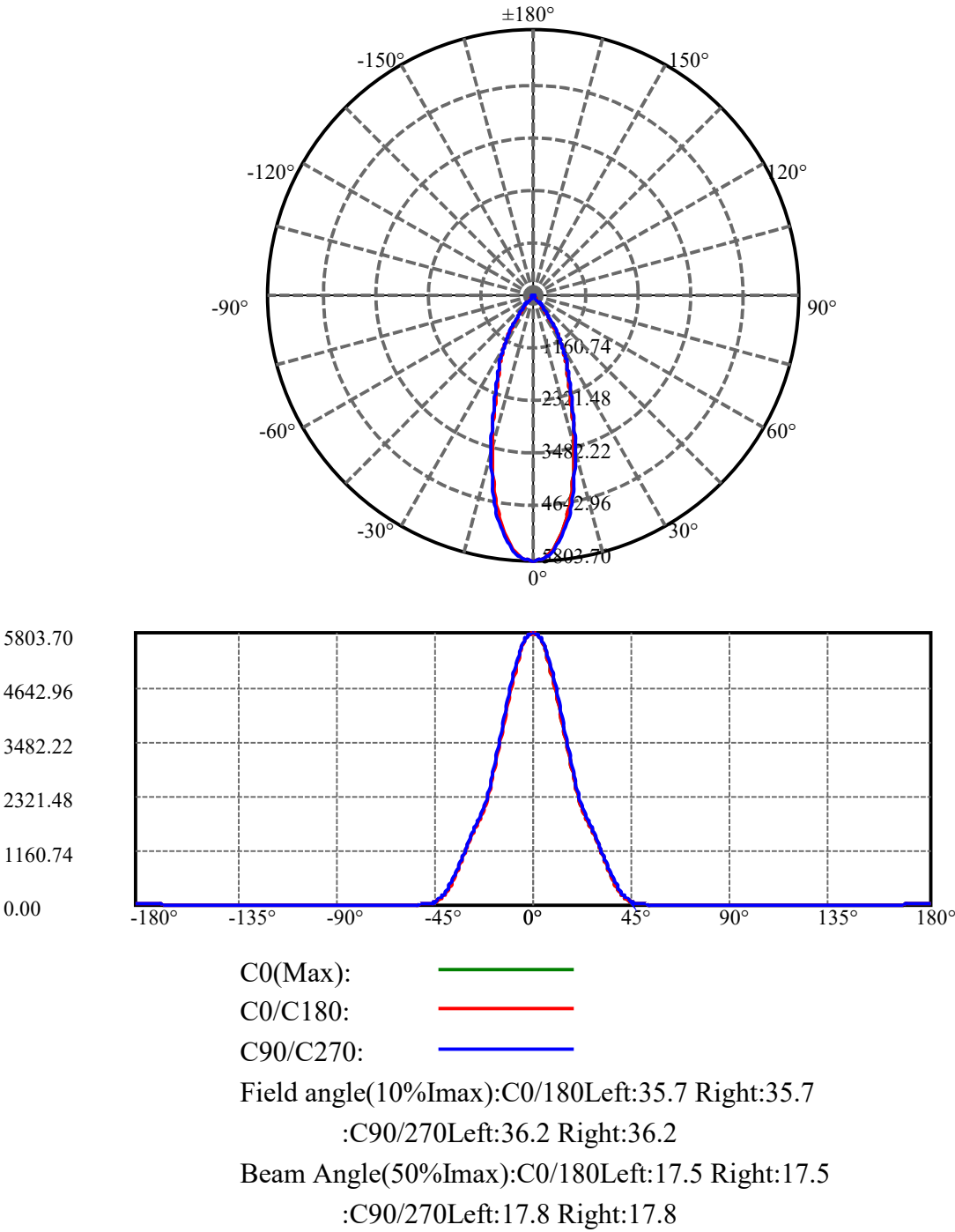
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	22.520	0.195	2797.783	0.01%	99.92%
171.5	23.435	0.192	2797.974	0.01%	99.93%
172.0	24.346	0.188	2798.162	0.01%	99.93%
172.5	25.243	0.183	2798.346	0.01%	99.94%
173.0	26.274	0.178	2798.524	0.01%	99.95%
173.5	27.381	0.173	2798.697	0.01%	99.95%
174.0	28.468	0.167	2798.864	0.01%	99.96%
174.5	29.693	0.160	2799.023	0.01%	99.97%
175.0	31.149	0.153	2799.176	0.01%	99.97%
175.5	32.763	0.145	2799.321	0.01%	99.98%
176.0	34.432	0.137	2799.458	0.00%	99.98%
176.5	35.904	0.126	2799.584	0.00%	99.99%
177.0	36.621	0.113	2799.696	0.00%	99.99%
177.5	36.646	0.096	2799.793	0.00%	99.99%
178.0	35.743	0.078	2799.871	0.00%	100.00%
178.5	34.171	0.059	2799.929	0.00%	100.00%
179.0	32.968	0.040	2799.969	0.00%	100.00%
179.5	32.229	0.023	2799.993	0.00%	100.00%
180.0	31.358	0.008	2800	0.00%	100.00%

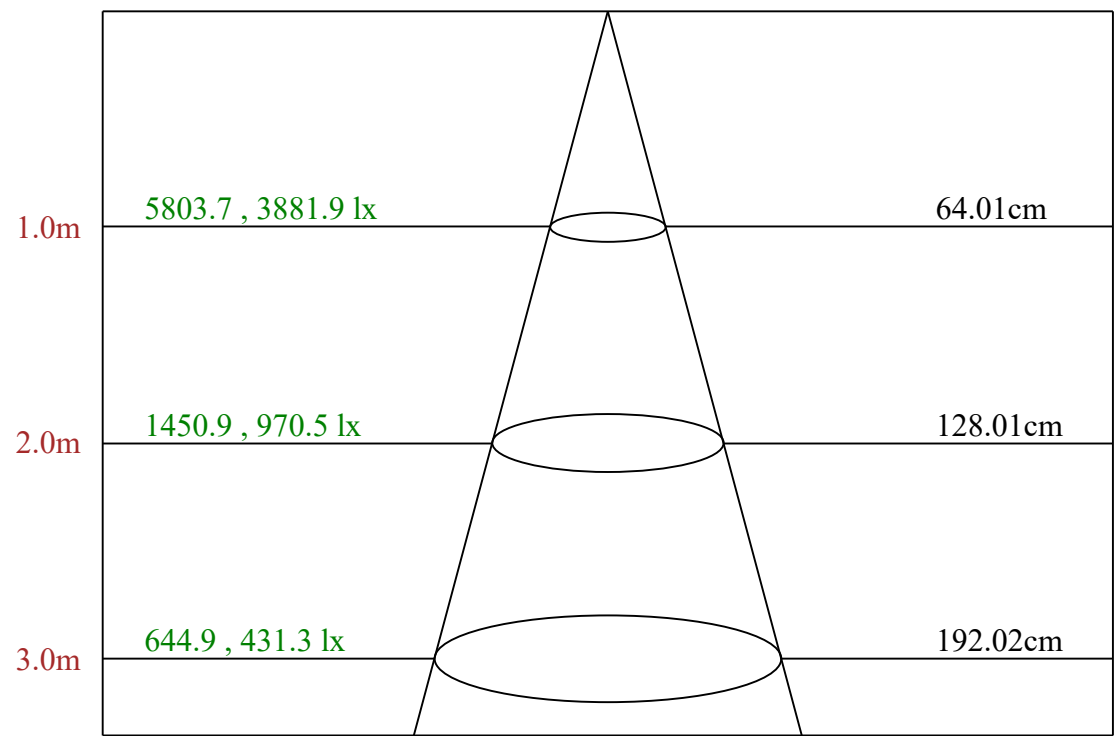
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2272.99	81.18%	81.18%
0-40	2700.53	96.45%	96.45%
0-60	2778.96	99.25%	99.25%
0-90	2789.45	99.62%	99.62%
0-120	2789.45	99.62%	99.62%
0-180	2800.00	100.00%	100.00%
60-90	10.49	0.37%	0.37%
90-120	0.00	0.00%	0.00%
90-130	0.05	0.00%	0.00%
90-150	1.64	0.06%	0.06%
90-180	10.54	0.38%	0.38%
0-29.52	2240.00	80.00%	80.00%

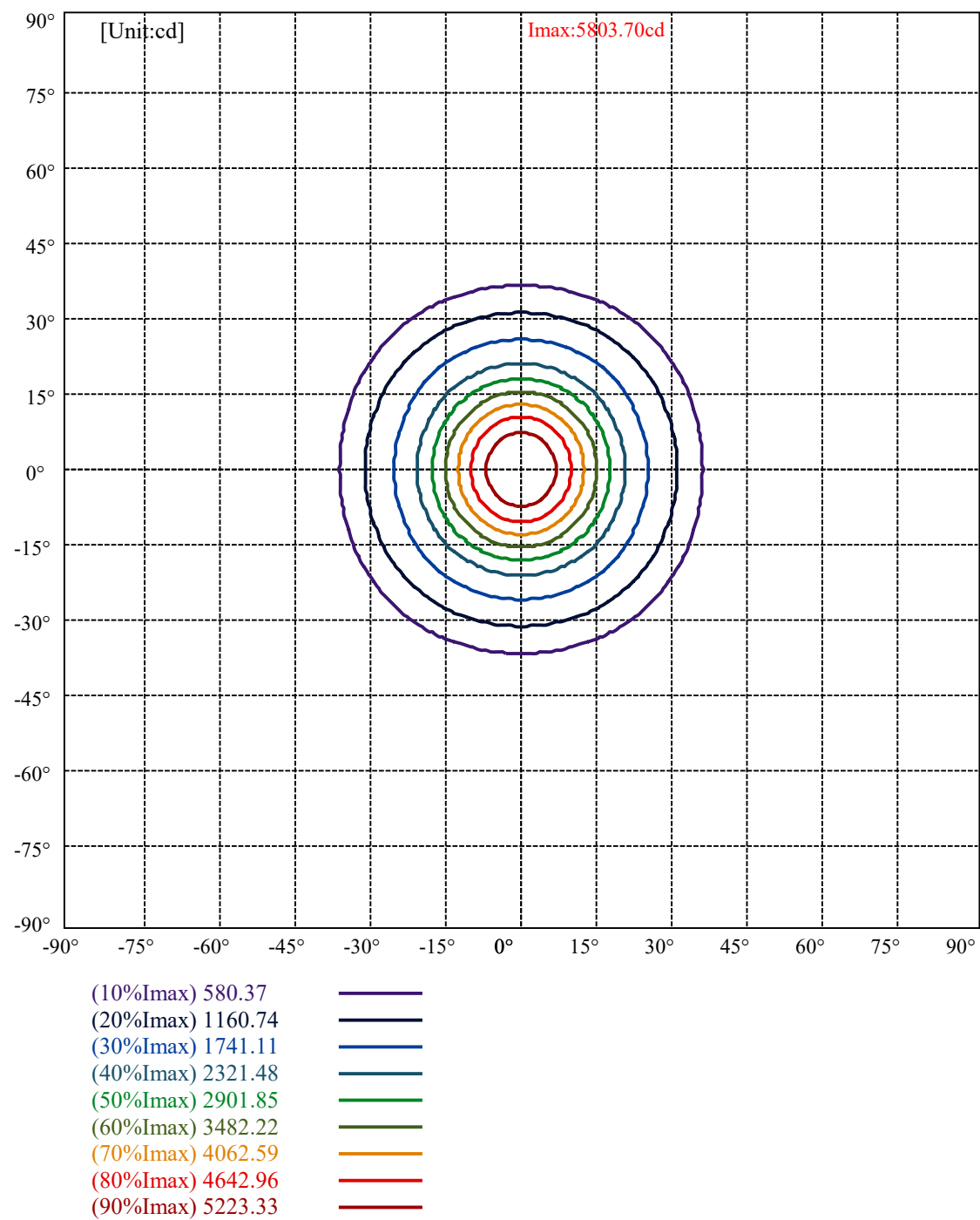
ZONAL LUMEN SUMMARY

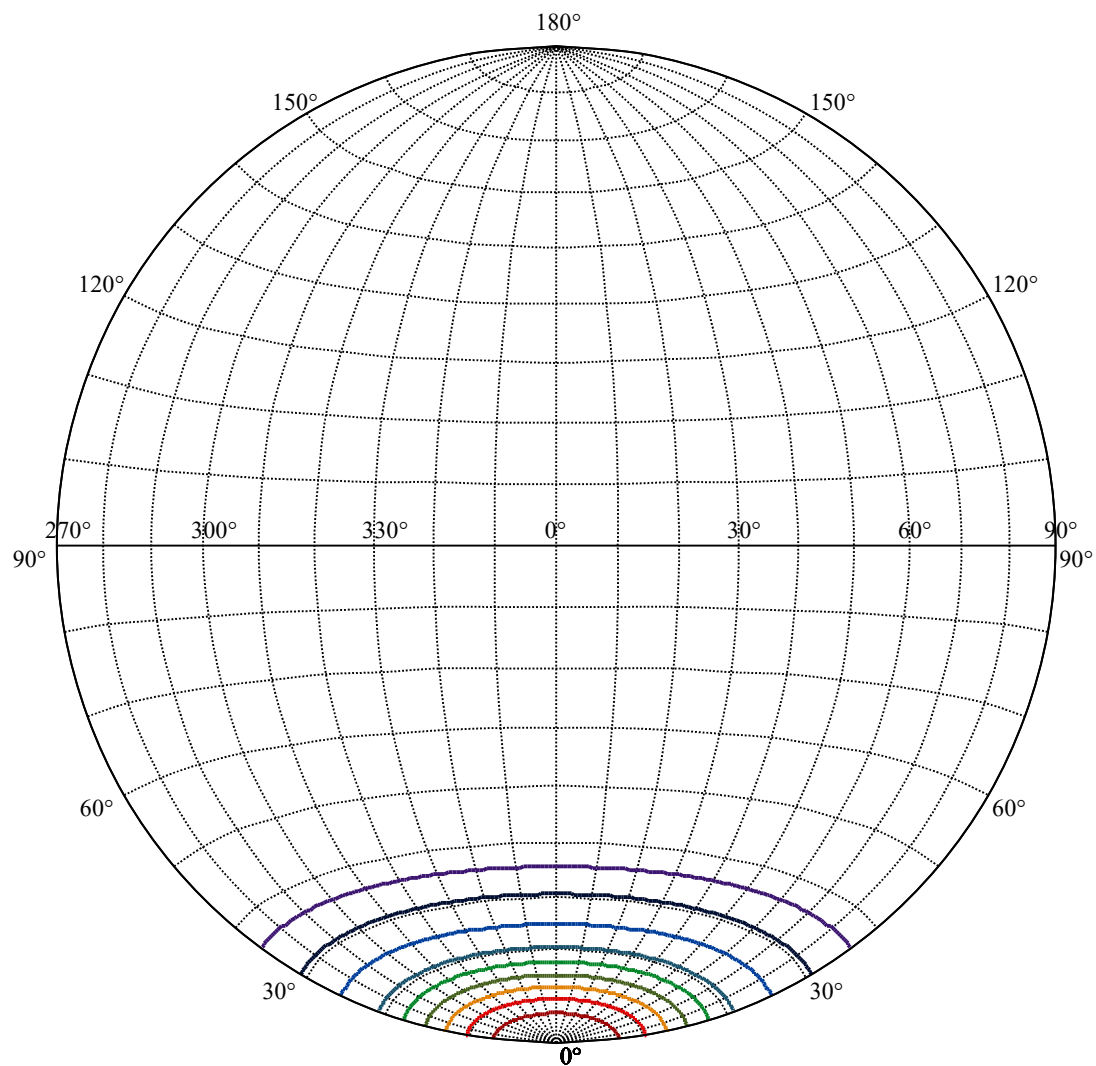
0-10	498.82
10-20	962.17
20-30	812.00
30-40	427.54
40-50	63.54
50-60	14.89
60-70	8.27
70-80	2.07
80-90	0.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.05
130-140	0.31
140-150	1.29
150-160	2.58
160-170	3.71
170-180	2.60





Max , Ave Beam angle of C0 plane 35.49



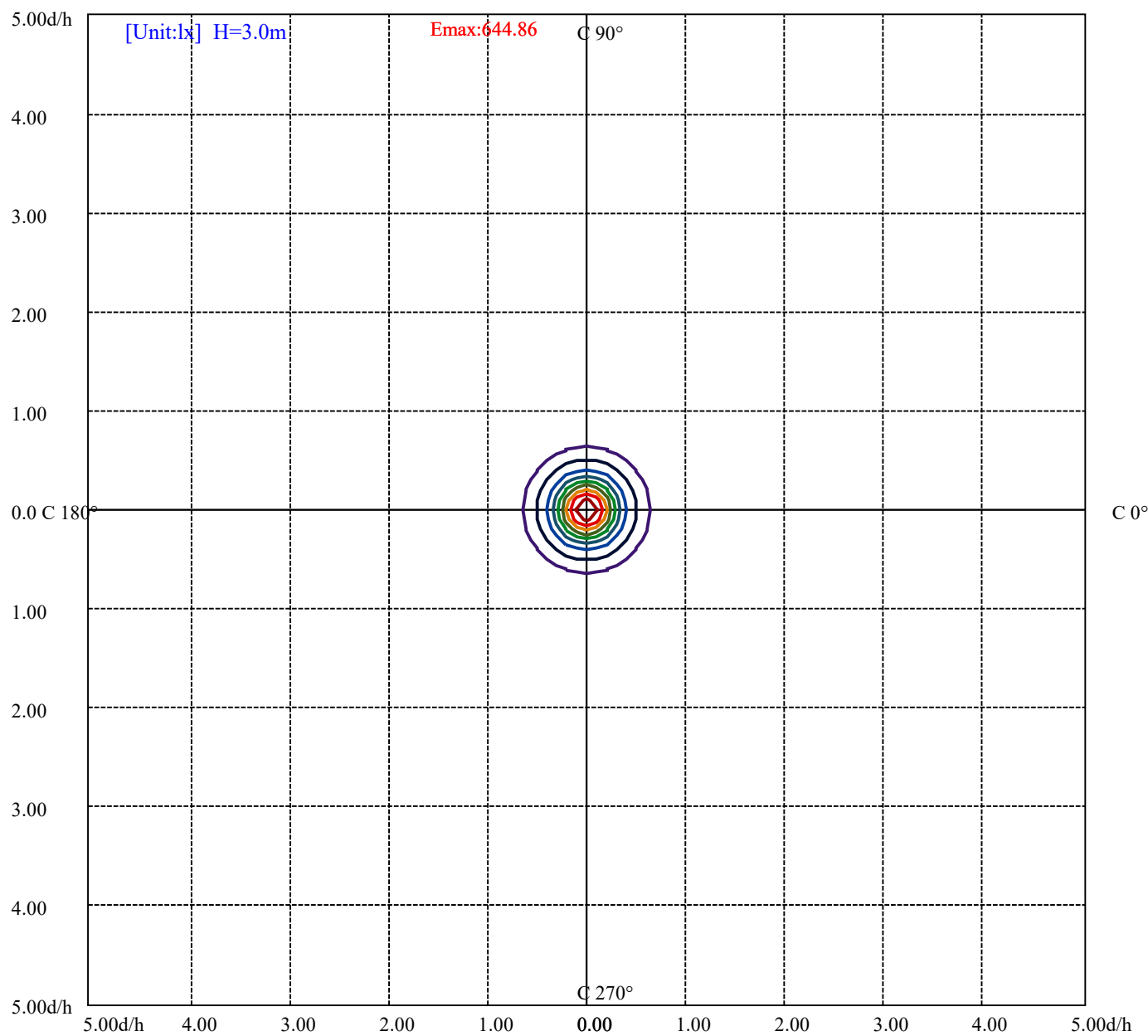


House

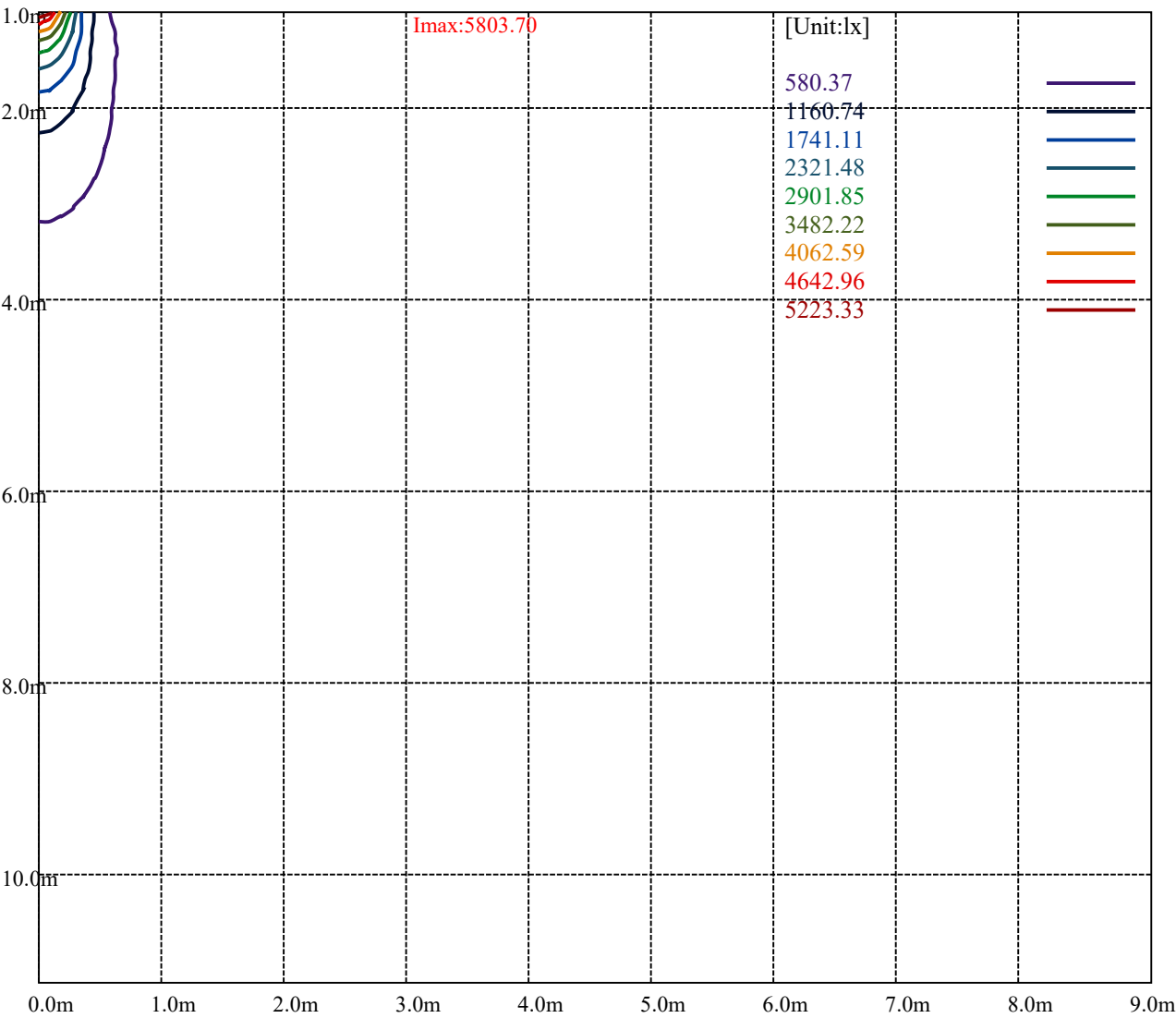
[Unit:cd]

Road

Imax:5803.70	
(10%Imax) 580.37	
(20%Imax) 1160.74	
(30%Imax) 1741.11	
(40%Imax) 2321.48	
(50%Imax) 2901.85	
(60%Imax) 3482.22	
(70%Imax) 4062.59	
(80%Imax) 4642.96	
(90%Imax) 5223.33	



(10%Emax)	64.48556	—
(20%Emax)	128.9711	—
(30%Emax)	193.4567	—
(40%Emax)	257.9422	—
(50%Emax)	322.4278	—
(60%Emax)	386.9133	—
(70%Emax)	451.3989	—
(80%Emax)	515.8845	—
(90%Emax)	580.37	—



Luminance Limiting Curve(no luminous side)

Appendix Page: 19 Total:35

Luminance Table

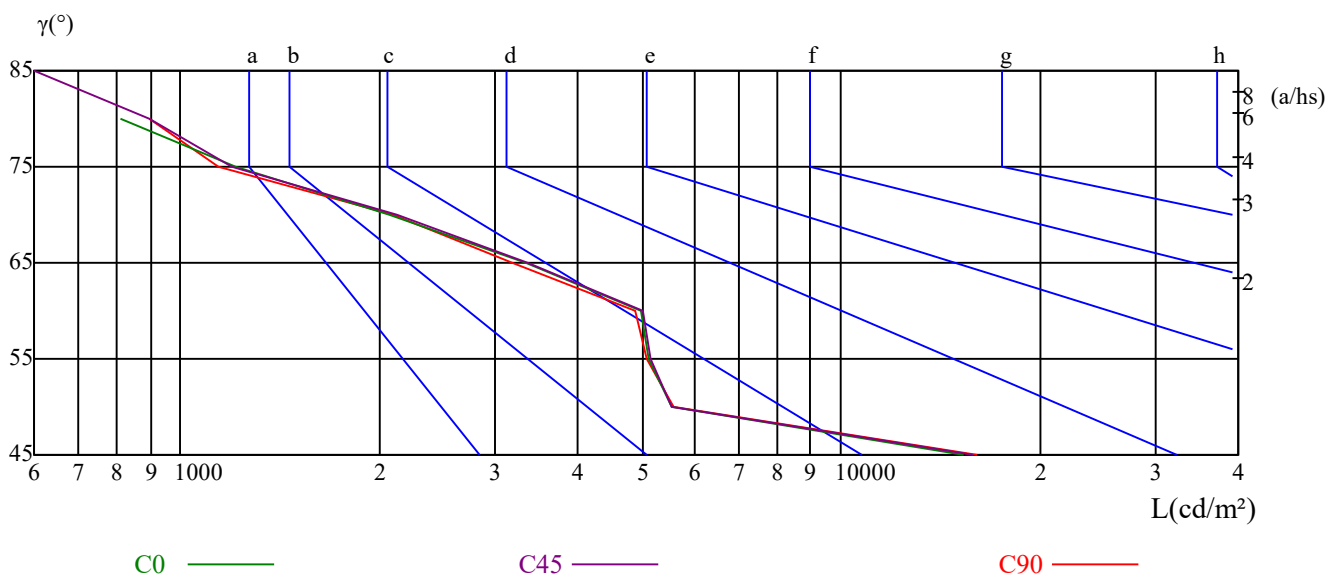
γ	45	50	55	60	65	70	75	80	85
C0	15397	5545	5107	4972	3324	2071	1211	813	0
C45	15909	5561	5146	5027	3344	2127	1194	894	32
C90	16097	5565	5085	4894	3172	2106	1145	898	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3324	3172	3344	1211	1145	1194	0	0	32

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



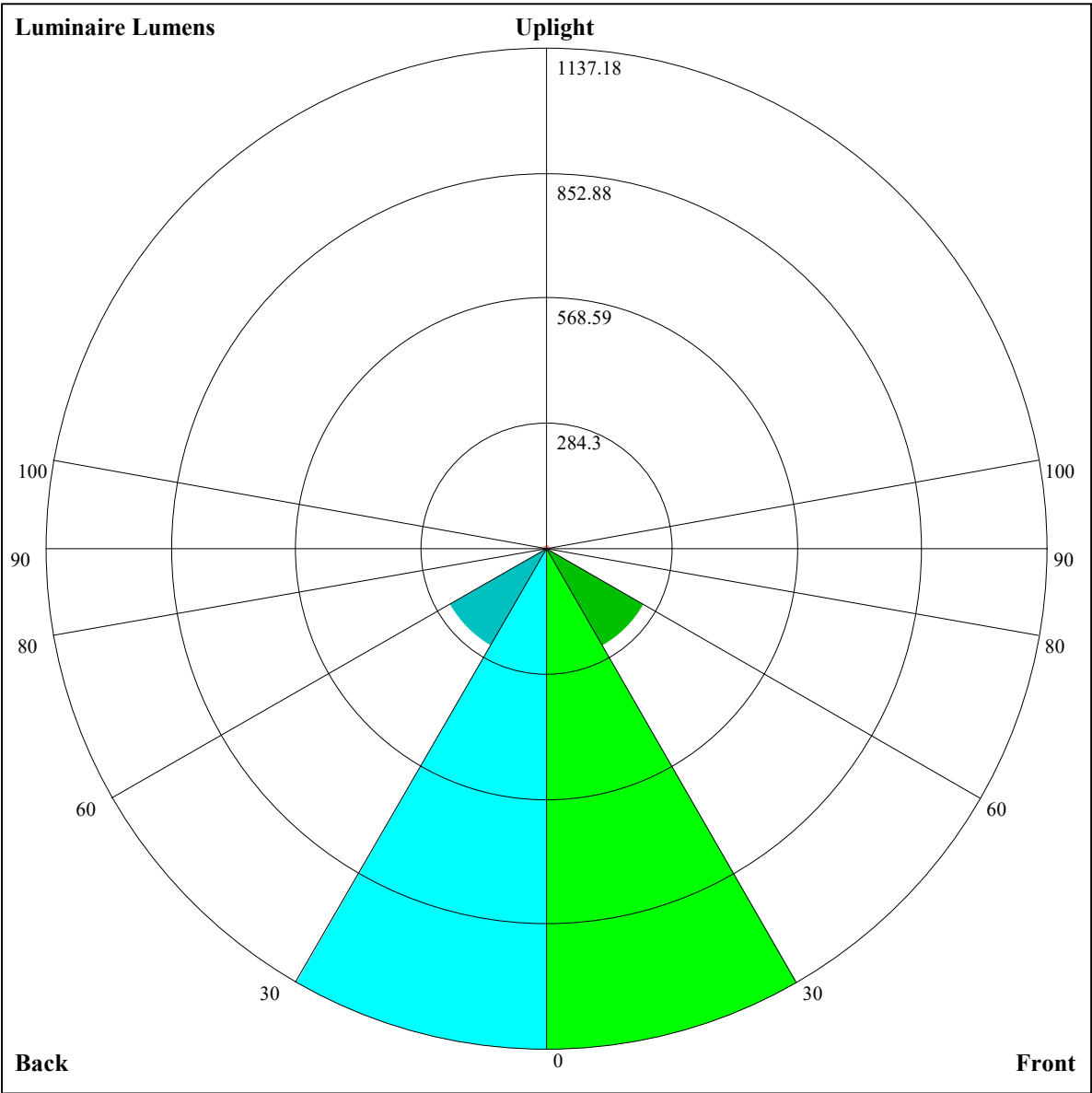
Equipment: GMS-1800
Temperature(°C): 25.0

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	19.78	20.70	20.15	21.02	21.34	19.96	20.88	20.34	21.20	21.53
	3H	19.58	20.39	19.98	20.74	21.10	19.76	20.58	20.16	20.92	21.28
	4H	19.47	20.22	19.88	20.59	20.97	19.66	20.41	20.07	20.77	21.15
	6H	19.38	20.06	19.81	20.45	20.86	19.56	20.25	19.99	20.63	21.04
	8H	19.30	19.95	19.73	20.35	20.77	19.49	20.14	19.92	20.53	20.95
	12H	19.23	19.85	19.66	20.25	20.68	19.41	20.03	19.85	20.43	20.86
4H	2H	19.47	20.22	19.88	20.58	20.96	19.65	20.40	20.06	20.77	21.14
	3H	19.23	19.86	19.67	20.27	20.69	19.42	20.04	19.85	20.45	20.88
	4H	19.15	19.69	19.60	20.13	20.59	19.34	19.88	19.78	20.31	20.77
	6H	19.01	19.48	19.49	19.94	20.41	19.19	19.66	19.67	20.13	20.59
	8H	18.95	19.38	19.44	19.85	20.34	19.13	19.57	19.62	20.03	20.52
	12H	18.89	19.29	19.39	19.75	20.29	19.07	19.48	19.57	19.94	20.47
8H	4H	18.95	19.38	19.44	19.85	20.34	19.13	19.57	19.62	20.03	20.52
	6H	18.79	19.14	19.30	19.63	20.15	18.97	19.32	19.48	19.81	20.33
	8H	18.77	19.06	19.31	19.59	20.10	18.95	19.24	19.49	19.77	20.28
	12H	18.71	18.93	19.26	19.46	19.99	18.89	19.11	19.44	19.64	20.17
12H	4H	18.89	19.29	19.39	19.75	20.29	19.07	19.48	19.57	19.94	20.47
	6H	18.77	19.06	19.31	19.59	20.10	18.95	19.24	19.49	19.77	20.28
	8H	18.71	18.93	19.26	19.46	19.99	18.89	19.11	19.44	19.64	20.17
Variation with the observer position at spacings:											
S = 1.0H		5.6/-11.9					5.7/-11.7				
S = 1.5H		8.4/-12.6					8.5/-12.3				
S = 2.0H		10.4/-14.6					10.5/-14.3				
Standard tables:		BK0					BK0				
Uncorrected UGR		0.8					0.6				

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



Luminaire Lumens:
FL=1137.18,FM=255.81,FH=5.18,FVH=0.09
BL=1137.18,BM=255.81,BH=5.18,BVH=0.09
UL=0,UH=10.54
BUG Rating:B3-U2-G0

C/ γ (°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	5803.70	5802.26	5784.07	5784.48	5769.34	5728.50	5684.51	5668.27	5610.64
22.5	5803.70	5798.74	5787.17	5776.65	5759.45	5737.98	5690.17	5657.40	5601.59
45.0	5803.70	5798.25	5791.71	5787.19	5774.99	5742.32	5706.41	5669.35	5633.01
67.5	5803.70	5795.40	5790.52	5777.47	5770.09	5733.84	5715.56	5686.37	5643.68
90.0	5803.70	5796.38	5786.04	5772.25	5767.89	5736.09	5699.29	5697.76	5623.34
112.5	5803.70	5795.40	5790.52	5777.47	5770.09	5733.84	5715.56	5686.37	5643.68
135.0	5803.70	5798.25	5791.71	5787.19	5774.99	5742.32	5706.41	5669.35	5633.01
157.5	5803.70	5798.74	5787.17	5776.65	5759.45	5737.98	5690.17	5657.40	5601.59
180.0	5803.70	5802.26	5784.07	5784.48	5769.34	5728.50	5684.51	5668.27	5610.64
202.5	5803.70	5798.74	5787.17	5776.65	5759.45	5737.98	5690.17	5657.40	5601.59
225.0	5803.70	5798.25	5791.71	5787.19	5774.99	5742.32	5706.41	5669.35	5633.01
247.5	5803.70	5795.40	5790.52	5777.47	5770.09	5733.84	5715.56	5686.37	5643.68
270.0	5803.70	5796.38	5786.04	5772.25	5767.89	5736.09	5699.29	5697.76	5623.34
292.5	5803.70	5795.40	5790.52	5777.47	5770.09	5733.84	5715.56	5686.37	5643.68
315.0	5803.70	5798.25	5791.71	5787.19	5774.99	5742.32	5706.41	5669.35	5633.01
337.5	5803.70	5798.74	5787.17	5776.65	5759.45	5737.98	5690.17	5657.40	5601.59
360.0	5803.70	5802.26	5784.07	5784.48	5769.34	5728.50	5684.51	5668.27	5610.64
C/ γ (°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	5551.02	5497.35	5437.84	5360.86	5273.06	5202.11	5111.86	4991.90	4908.31
22.5	5556.75	5499.49	5427.56	5352.55	5274.59	5192.87	5104.30	5009.88	4934.62
45.0	5581.56	5515.73	5451.73	5381.99	5305.74	5227.12	5139.61	5053.14	4962.04
67.5	5588.30	5533.00	5473.14	5398.53	5325.32	5253.65	5168.39	5088.80	5008.44
90.0	5596.68	5532.68	5471.51	5415.10	5341.15	5278.28	5171.74	5119.60	5019.56
112.5	5588.30	5533.00	5473.14	5398.53	5325.32	5253.65	5168.39	5088.80	5008.44
135.0	5581.56	5515.73	5451.73	5381.99	5305.74	5227.12	5139.61	5053.14	4962.04
157.5	5556.75	5499.49	5427.56	5352.55	5274.59	5192.87	5104.30	5009.88	4934.62
180.0	5551.02	5497.35	5437.84	5360.86	5273.06	5202.11	5111.86	4991.90	4908.31
202.5	5556.75	5499.49	5427.56	5352.55	5274.59	5192.87	5104.30	5009.88	4934.62
225.0	5581.56	5515.73	5451.73	5381.99	5305.74	5227.12	5139.61	5053.14	4962.04
247.5	5588.30	5533.00	5473.14	5398.53	5325.32	5253.65	5168.39	5088.80	5008.44
270.0	5596.68	5532.68	5471.51	5415.10	5341.15	5278.28	5171.74	5119.60	5019.56
292.5	5588.30	5533.00	5473.14	5398.53	5325.32	5253.65	5168.39	5088.80	5008.44
315.0	5581.56	5515.73	5451.73	5381.99	5305.74	5227.12	5139.61	5053.14	4962.04
337.5	5556.75	5499.49	5427.56	5352.55	5274.59	5192.87	5104.30	5009.88	4934.62
360.0	5551.02	5497.35	5437.84	5360.86	5273.06	5202.11	5111.86	4991.90	4908.31
C/ γ (°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	4822.53	4719.82	4608.21	4501.19	4385.72	4275.85	4146.19	4031.65	3909.30
22.5	4838.29	4734.00	4630.94	4524.03	4402.86	4281.43	4163.85	4053.43	3935.67
45.0	4865.24	4770.68	4667.38	4562.31	4448.23	4330.75	4211.20	4092.41	3968.86
67.5	4909.37	4809.37	4713.94	4604.07	4495.48	4377.42	4258.89	4140.84	4018.84
90.0	4923.67	4821.03	4710.99	4613.50	4505.65	4380.42	4264.18	4138.26	4021.27
112.5	4909.37	4809.37	4713.94	4604.07	4495.48	4377.42	4258.89	4140.84	4018.84
135.0	4865.24	4770.68	4667.38	4562.31	4448.23	4330.75	4211.20	4092.41	3968.86
157.5	4838.29	4734.00	4630.94	4524.03	4402.86	4281.43	4163.85	4053.43	3935.67
180.0	4822.53	4719.82	4608.21	4501.19	4385.72	4275.85	4146.19	4031.65	3909.30
202.5	4838.29	4734.00	4630.94	4524.03	4402.86	4281.43	4163.85	4053.43	3935.67
225.0	4865.24	4770.68	4667.38	4562.31	4448.23	4330.75	4211.20	4092.41	3968.86
247.5	4909.37	4809.37	4713.94	4604.07	4495.48	4377.42	4258.89	4140.84	4018.84
270.0	4923.67	4821.03	4710.99	4613.50	4505.65	4380.42	4264.18	4138.26	4021.27
292.5	4909.37	4809.37	4713.94	4604.07	4495.48	4377.42	4258.89	4140.84	4018.84
315.0	4865.24	4770.68	4667.38	4562.31	4448.23	4330.75	4211.20	4092.41	3968.86
337.5	4838.29	4734.00	4630.94	4524.03	4402.86	4281.43	4163.85	4053.43	3935.67
360.0	4822.53	4719.82	4608.21	4501.19	4385.72	4275.85	4146.19	4031.65	3909.30

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	3785.12	3675.79	3576.49	3450.86	3335.11	3227.75	3113.58	3003.83	2900.66
22.5	3812.91	3696.13	3573.34	3461.22	3346.60	3233.48	3125.35	3011.72	2907.81
45.0	3843.89	3729.29	3607.96	3493.13	3378.68	3260.72	3158.02	3054.03	2944.61
67.5	3892.48	3769.11	3651.86	3532.92	3422.32	3303.74	3193.35	3080.74	2968.58
90.0	3889.43	3772.94	3645.19	3534.69	3407.96	3305.15	3195.67	3083.64	2967.14
112.5	3892.48	3769.11	3651.86	3532.92	3422.32	3303.74	3193.35	3080.74	2968.58
135.0	3843.89	3729.29	3607.96	3493.13	3378.68	3260.72	3158.02	3054.03	2944.61
157.5	3812.91	3696.13	3573.34	3461.22	3346.60	3233.48	3125.35	3011.72	2907.81
180.0	3785.12	3675.79	3576.49	3450.86	3335.11	3227.75	3113.58	3003.83	2900.66
202.5	3812.91	3696.13	3573.34	3461.22	3346.60	3233.48	3125.35	3011.72	2907.81
225.0	3843.89	3729.29	3607.96	3493.13	3378.68	3260.72	3158.02	3054.03	2944.61
247.5	3892.48	3769.11	3651.86	3532.92	3422.32	3303.74	3193.35	3080.74	2968.58
270.0	3889.43	3772.94	3645.19	3534.69	3407.96	3305.15	3195.67	3083.64	2967.14
292.5	3892.48	3769.11	3651.86	3532.92	3422.32	3303.74	3193.35	3080.74	2968.58
315.0	3843.89	3729.29	3607.96	3493.13	3378.68	3260.72	3158.02	3054.03	2944.61
337.5	3812.91	3696.13	3573.34	3461.22	3346.60	3233.48	3125.35	3011.72	2907.81
360.0	3785.12	3675.79	3576.49	3450.86	3335.11	3227.75	3113.58	3003.83	2900.66
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	2798.34	2695.19	2591.65	2491.08	2406.06	2314.15	2220.34	2141.12	2075.58
22.5	2803.74	2698.54	2593.66	2496.68	2401.31	2313.54	2225.11	2144.84	2075.52
45.0	2833.26	2731.35	2629.88	2530.26	2431.50	2340.61	2258.08	2177.38	2107.13
67.5	2860.64	2759.39	2656.68	2552.59	2459.29	2364.94	2277.85	2200.57	2129.94
90.0	2865.18	2758.22	2663.25	2563.99	2467.97	2375.01	2287.25	2214.52	2140.86
112.5	2860.64	2759.39	2656.68	2552.59	2459.29	2364.94	2277.85	2200.57	2129.94
135.0	2833.26	2731.35	2629.88	2530.26	2431.50	2340.61	2258.08	2177.38	2107.13
157.5	2803.74	2698.54	2593.66	2496.68	2401.31	2313.54	2225.11	2144.84	2075.52
180.0	2798.34	2695.19	2591.65	2491.08	2406.06	2314.15	2220.34	2141.12	2075.58
202.5	2803.74	2698.54	2593.66	2496.68	2401.31	2313.54	2225.11	2144.84	2075.52
225.0	2833.26	2731.35	2629.88	2530.26	2431.50	2340.61	2258.08	2177.38	2107.13
247.5	2860.64	2759.39	2656.68	2552.59	2459.29	2364.94	2277.85	2200.57	2129.94
270.0	2865.18	2758.22	2663.25	2563.99	2467.97	2375.01	2287.25	2214.52	2140.86
292.5	2860.64	2759.39	2656.68	2552.59	2459.29	2364.94	2277.85	2200.57	2129.94
315.0	2833.26	2731.35	2629.88	2530.26	2431.50	2340.61	2258.08	2177.38	2107.13
337.5	2803.74	2698.54	2593.66	2496.68	2401.31	2313.54	2225.11	2144.84	2075.52
360.0	2798.34	2695.19	2591.65	2491.08	2406.06	2314.15	2220.34	2141.12	2075.58
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	2014.97	1951.03	1893.57	1837.85	1788.56	1737.36	1693.82	1652.93	1608.09
22.5	2012.70	1953.31	1898.13	1843.15	1791.97	1741.70	1696.96	1652.84	1606.21
45.0	2042.08	1980.61	1923.57	1868.94	1817.90	1774.04	1727.29	1678.84	1630.50
67.5	2066.64	2002.73	1944.86	1890.45	1841.08	1791.91	1745.20	1698.04	1646.10
90.0	2077.04	2017.80	1960.44	1901.21	1846.46	1792.90	1752.23	1699.42	1647.88
112.5	2066.64	2002.73	1944.86	1890.45	1841.08	1791.91	1745.20	1698.04	1646.10
135.0	2042.08	1980.61	1923.57	1868.94	1817.90	1774.04	1727.29	1678.84	1630.50
157.5	2012.70	1953.31	1898.13	1843.15	1791.97	1741.70	1696.96	1652.84	1606.21
180.0	2014.97	1951.03	1893.57	1837.85	1788.56	1737.36	1693.82	1652.93	1608.09
202.5	2012.70	1953.31	1898.13	1843.15	1791.97	1741.70	1696.96	1652.84	1606.21
225.0	2042.08	1980.61	1923.57	1868.94	1817.90	1774.04	1727.29	1678.84	1630.50
247.5	2066.64	2002.73	1944.86	1890.45	1841.08	1791.91	1745.20	1698.04	1646.10
270.0	2077.04	2017.80	1960.44	1901.21	1846.46	1792.90	1752.23	1699.42	1647.88
292.5	2066.64	2002.73	1944.86	1890.45	1841.08	1791.91	1745.20	1698.04	1646.10
315.0	2042.08	1980.61	1923.57	1868.94	1817.90	1774.04	1727.29	1678.84	1630.50
337.5	2012.70	1953.31	1898.13	1843.15	1791.97	1741.70	1696.96	1652.84	1606.21
360.0	2014.97	1951.03	1893.57	1837.85	1788.56	1737.36	1693.82	1652.93	1608.09

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	1555.89	1505.20	1451.99	1400.85	1345.26	1291.42	1236.71	1182.78	1126.87
22.5	1555.26	1501.94	1451.62	1400.93	1345.97	1291.38	1236.21	1182.81	1127.50
45.0	1579.05	1527.50	1470.09	1415.69	1359.43	1301.22	1242.52	1186.88	1132.02
67.5	1592.94	1539.88	1482.94	1424.75	1366.79	1309.17	1253.57	1197.31	1139.81
90.0	1593.84	1537.55	1485.76	1424.73	1367.00	1310.81	1252.56	1195.83	1139.66
112.5	1592.94	1539.88	1482.94	1424.75	1366.79	1309.17	1253.57	1197.31	1139.81
135.0	1579.05	1527.50	1470.09	1415.69	1359.43	1301.22	1242.52	1186.88	1132.02
157.5	1555.26	1501.94	1451.62	1400.93	1345.97	1291.38	1236.21	1182.81	1127.50
180.0	1555.89	1505.20	1451.99	1400.85	1345.26	1291.42	1236.71	1182.78	1126.87
202.5	1555.26	1501.94	1451.62	1400.93	1345.97	1291.38	1236.21	1182.81	1127.50
225.0	1579.05	1527.50	1470.09	1415.69	1359.43	1301.22	1242.52	1186.88	1132.02
247.5	1592.94	1539.88	1482.94	1424.75	1366.79	1309.17	1253.57	1197.31	1139.81
270.0	1593.84	1537.55	1485.76	1424.73	1367.00	1310.81	1252.56	1195.83	1139.66
292.5	1592.94	1539.88	1482.94	1424.75	1366.79	1309.17	1253.57	1197.31	1139.81
315.0	1579.05	1527.50	1470.09	1415.69	1359.43	1301.22	1242.52	1186.88	1132.02
337.5	1555.26	1501.94	1451.62	1400.93	1345.97	1291.38	1236.21	1182.81	1127.50
360.0	1555.89	1505.20	1451.99	1400.85	1345.26	1291.42	1236.71	1182.78	1126.87
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1070.00	1012.47	953.46	892.14	833.38	772.73	716.50	659.46	600.31
22.5	1069.07	1011.96	955.71	893.30	835.63	777.01	719.76	664.85	610.26
45.0	1074.43	1019.51	962.99	906.40	848.91	791.89	736.68	681.65	626.18
67.5	1082.49	1026.71	971.15	916.68	862.83	807.00	749.42	695.29	642.88
90.0	1085.19	1028.83	973.84	920.15	863.20	809.74	753.51	702.05	647.67
112.5	1082.49	1026.71	971.15	916.68	862.83	807.00	749.42	695.29	642.88
135.0	1074.43	1019.51	962.99	906.40	848.91	791.89	736.68	681.65	626.18
157.5	1069.07	1011.96	955.71	893.30	835.63	777.01	719.76	664.85	610.26
180.0	1070.00	1012.47	953.46	892.14	833.38	772.73	716.50	659.46	600.31
202.5	1069.07	1011.96	955.71	893.30	835.63	777.01	719.76	664.85	610.26
225.0	1074.43	1019.51	962.99	906.40	848.91	791.89	736.68	681.65	626.18
247.5	1082.49	1026.71	971.15	916.68	862.83	807.00	749.42	695.29	642.88
270.0	1085.19	1028.83	973.84	920.15	863.20	809.74	753.51	702.05	647.67
292.5	1082.49	1026.71	971.15	916.68	862.83	807.00	749.42	695.29	642.88
315.0	1074.43	1019.51	962.99	906.40	848.91	791.89	736.68	681.65	626.18
337.5	1069.07	1011.96	955.71	893.30	835.63	777.01	719.76	664.85	610.26
360.0	1070.00	1012.47	953.46	892.14	833.38	772.73	716.50	659.46	600.31
C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	547.19	494.99	448.31	404.25	362.74	324.17	289.81	256.77	227.77
22.5	558.56	506.66	457.28	411.17	368.75	328.40	292.27	259.59	229.26
45.0	577.68	527.12	477.50	430.23	387.39	345.42	306.90	271.78	239.05
67.5	592.63	543.56	497.15	451.33	408.49	366.94	326.30	287.92	252.95
90.0	596.64	550.77	505.50	460.60	415.84	372.96	335.67	297.78	262.76
112.5	592.63	543.56	497.15	451.33	408.49	366.94	326.30	287.92	252.95
135.0	577.68	527.12	477.50	430.23	387.39	345.42	306.90	271.78	239.05
157.5	558.56	506.66	457.28	411.17	368.75	328.40	292.27	259.59	229.26
180.0	547.19	494.99	448.31	404.25	362.74	324.17	289.81	256.77	227.77
202.5	558.56	506.66	457.28	411.17	368.75	328.40	292.27	259.59	229.26
225.0	577.68	527.12	477.50	430.23	387.39	345.42	306.90	271.78	239.05
247.5	592.63	543.56	497.15	451.33	408.49	366.94	326.30	287.92	252.95
270.0	596.64	550.77	505.50	460.60	415.84	372.96	335.67	297.78	262.76
292.5	592.63	543.56	497.15	451.33	408.49	366.94	326.30	287.92	252.95
315.0	577.68	527.12	477.50	430.23	387.39	345.42	306.90	271.78	239.05
337.5	558.56	506.66	457.28	411.17	368.75	328.40	292.27	259.59	229.26
360.0	547.19	494.99	448.31	404.25	362.74	324.17	289.81	256.77	227.77

Intensity data(cd)

Appendix Page: 25 Total:35

C/ γ (°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	201.33	179.06	159.33	143.99	130.26	116.47	102.07	88.94	75.53
22.5	202.45	179.96	160.99	145.55	131.43	117.94	103.93	90.27	76.43
45.0	209.47	185.79	165.50	149.22	134.40	120.04	106.06	92.14	77.90
67.5	220.95	193.81	171.87	155.53	139.94	124.65	108.86	93.77	79.03
90.0	228.92	199.96	176.06	159.33	143.37	126.45	109.78	94.56	78.70
112.5	220.95	193.81	171.87	155.53	139.94	124.65	108.86	93.77	79.03
135.0	209.47	185.79	165.50	149.22	134.40	120.04	106.06	92.14	77.90
157.5	202.45	179.96	160.99	145.55	131.43	117.94	103.93	90.27	76.43
180.0	201.33	179.06	159.33	143.99	130.26	116.47	102.07	88.94	75.53
202.5	202.45	179.96	160.99	145.55	131.43	117.94	103.93	90.27	76.43
225.0	209.47	185.79	165.50	149.22	134.40	120.04	106.06	92.14	77.90
247.5	220.95	193.81	171.87	155.53	139.94	124.65	108.86	93.77	79.03
270.0	228.92	199.96	176.06	159.33	143.37	126.45	109.78	94.56	78.70
292.5	220.95	193.81	171.87	155.53	139.94	124.65	108.86	93.77	79.03
315.0	209.47	185.79	165.50	149.22	134.40	120.04	106.06	92.14	77.90
337.5	202.45	179.96	160.99	145.55	131.43	117.94	103.93	90.27	76.43
360.0	201.33	179.06	159.33	143.99	130.26	116.47	102.07	88.94	75.53
C/ γ (°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	61.78	47.99	37.01	30.51	27.07	25.13	23.83	22.68	21.78
22.5	62.39	48.43	37.28	30.57	27.13	25.18	23.80	22.71	21.80
45.0	63.83	49.92	38.45	31.20	27.39	25.29	23.81	22.65	21.75
67.5	64.83	51.31	39.18	31.15	27.32	25.12	23.58	22.59	21.69
90.0	64.59	51.49	38.90	30.95	27.35	25.23	23.63	22.71	21.72
112.5	64.83	51.31	39.18	31.15	27.32	25.12	23.58	22.59	21.69
135.0	63.83	49.92	38.45	31.20	27.39	25.29	23.81	22.65	21.75
157.5	62.39	48.43	37.28	30.57	27.13	25.18	23.80	22.71	21.80
180.0	61.78	47.99	37.01	30.51	27.07	25.13	23.83	22.68	21.78
202.5	62.39	48.43	37.28	30.57	27.13	25.18	23.80	22.71	21.80
225.0	63.83	49.92	38.45	31.20	27.39	25.29	23.81	22.65	21.75
247.5	64.83	51.31	39.18	31.15	27.32	25.12	23.58	22.59	21.69
270.0	64.59	51.49	38.90	30.95	27.35	25.23	23.63	22.71	21.72
292.5	64.83	51.31	39.18	31.15	27.32	25.12	23.58	22.59	21.69
315.0	63.83	49.92	38.45	31.20	27.39	25.29	23.81	22.65	21.75
337.5	62.39	48.43	37.28	30.57	27.13	25.18	23.80	22.71	21.80
360.0	61.78	47.99	37.01	30.51	27.07	25.13	23.83	22.68	21.78
C/ γ (°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	20.96	20.23	19.59	18.98	18.48	18.01	17.61	17.11	16.83
22.5	20.93	20.12	19.46	18.91	18.39	17.90	17.43	16.97	16.75
45.0	21.04	20.29	19.64	19.15	18.53	17.99	17.42	17.11	16.99
67.5	20.94	20.33	19.73	19.11	18.45	17.93	17.42	17.05	16.82
90.0	20.91	20.30	19.75	19.14	18.45	17.80	17.32	17.01	16.80
112.5	20.94	20.33	19.73	19.11	18.45	17.93	17.42	17.05	16.82
135.0	21.04	20.29	19.64	19.15	18.53	17.99	17.42	17.11	16.99
157.5	20.93	20.12	19.46	18.91	18.39	17.90	17.43	16.97	16.75
180.0	20.96	20.23	19.59	18.98	18.48	18.01	17.61	17.11	16.83
202.5	20.93	20.12	19.46	18.91	18.39	17.90	17.43	16.97	16.75
225.0	21.04	20.29	19.64	19.15	18.53	17.99	17.42	17.11	16.99
247.5	20.94	20.33	19.73	19.11	18.45	17.93	17.42	17.05	16.82
270.0	20.91	20.30	19.75	19.14	18.45	17.80	17.32	17.01	16.80
292.5	20.94	20.33	19.73	19.11	18.45	17.93	17.42	17.05	16.82
315.0	21.04	20.29	19.64	19.15	18.53	17.99	17.42	17.11	16.99
337.5	20.93	20.12	19.46	18.91	18.39	17.90	17.43	16.97	16.75
360.0	20.96	20.23	19.59	18.98	18.48	18.01	17.61	17.11	16.83

C/ γ (°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	16.71	16.61	16.62	16.59	16.44	16.32	15.97	15.47	15.14
22.5	16.62	16.59	16.57	16.55	16.48	16.17	15.77	15.36	15.07
45.0	16.81	16.78	16.75	16.66	16.47	16.15	15.72	15.39	15.11
67.5	16.74	16.61	16.51	16.48	16.35	16.05	15.55	15.30	15.08
90.0	16.67	16.57	16.55	16.49	16.32	16.04	15.62	15.35	15.10
112.5	16.74	16.61	16.51	16.48	16.35	16.05	15.55	15.30	15.08
135.0	16.81	16.78	16.75	16.66	16.47	16.15	15.72	15.39	15.11
157.5	16.62	16.59	16.57	16.55	16.48	16.17	15.77	15.36	15.07
180.0	16.71	16.61	16.62	16.59	16.44	16.32	15.97	15.47	15.14
202.5	16.62	16.59	16.57	16.55	16.48	16.17	15.77	15.36	15.07
225.0	16.81	16.78	16.75	16.66	16.47	16.15	15.72	15.39	15.11
247.5	16.74	16.61	16.51	16.48	16.35	16.05	15.55	15.30	15.08
270.0	16.67	16.57	16.55	16.49	16.32	16.04	15.62	15.35	15.10
292.5	16.74	16.61	16.51	16.48	16.35	16.05	15.55	15.30	15.08
315.0	16.81	16.78	16.75	16.66	16.47	16.15	15.72	15.39	15.11
337.5	16.62	16.59	16.57	16.55	16.48	16.17	15.77	15.36	15.07
360.0	16.71	16.61	16.62	16.59	16.44	16.32	15.97	15.47	15.14
C/ γ (°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	15.01	14.80	14.55	14.11	13.63	13.03	12.31	11.57	10.91
22.5	14.90	14.76	14.56	14.11	13.62	12.90	12.22	11.54	10.96
45.0	14.95	14.83	14.65	14.26	13.73	12.96	12.20	11.55	10.95
67.5	14.92	14.67	14.45	13.99	13.43	12.78	12.11	11.44	10.81
90.0	14.91	14.65	14.37	13.89	13.24	12.52	11.98	11.29	10.72
112.5	14.92	14.67	14.45	13.99	13.43	12.78	12.11	11.44	10.81
135.0	14.95	14.83	14.65	14.26	13.73	12.96	12.20	11.55	10.95
157.5	14.90	14.76	14.56	14.11	13.62	12.90	12.22	11.54	10.96
180.0	15.01	14.80	14.55	14.11	13.63	13.03	12.31	11.57	10.91
202.5	14.90	14.76	14.56	14.11	13.62	12.90	12.22	11.54	10.96
225.0	14.95	14.83	14.65	14.26	13.73	12.96	12.20	11.55	10.95
247.5	14.92	14.67	14.45	13.99	13.43	12.78	12.11	11.44	10.81
270.0	14.91	14.65	14.37	13.89	13.24	12.52	11.98	11.29	10.72
292.5	14.92	14.67	14.45	13.99	13.43	12.78	12.11	11.44	10.81
315.0	14.95	14.83	14.65	14.26	13.73	12.96	12.20	11.55	10.95
337.5	14.90	14.76	14.56	14.11	13.62	12.90	12.22	11.54	10.96
360.0	15.01	14.80	14.55	14.11	13.63	13.03	12.31	11.57	10.91
C/ γ (°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	10.33	9.82	9.29	8.66	7.97	7.46	7.01	6.62	6.18
22.5	10.37	9.87	9.29	8.59	7.97	7.47	7.07	6.65	6.24
45.0	10.49	10.04	9.37	8.65	8.02	7.51	7.08	6.71	6.30
67.5	10.41	9.96	9.26	8.52	7.82	7.35	6.96	6.67	6.29
90.0	10.27	9.78	8.97	8.24	7.61	7.06	6.76	6.52	6.07
112.5	10.41	9.96	9.26	8.52	7.82	7.35	6.96	6.67	6.29
135.0	10.49	10.04	9.37	8.65	8.02	7.51	7.08	6.71	6.30
157.5	10.37	9.87	9.29	8.59	7.97	7.47	7.07	6.65	6.24
180.0	10.33	9.82	9.29	8.66	7.97	7.46	7.01	6.62	6.18
202.5	10.37	9.87	9.29	8.59	7.97	7.47	7.07	6.65	6.24
225.0	10.49	10.04	9.37	8.65	8.02	7.51	7.08	6.71	6.30
247.5	10.41	9.96	9.26	8.52	7.82	7.35	6.96	6.67	6.29
270.0	10.27	9.78	8.97	8.24	7.61	7.06	6.76	6.52	6.07
292.5	10.41	9.96	9.26	8.52	7.82	7.35	6.96	6.67	6.29
315.0	10.49	10.04	9.37	8.65	8.02	7.51	7.08	6.71	6.30
337.5	10.37	9.87	9.29	8.59	7.97	7.47	7.07	6.65	6.24
360.0	10.33	9.82	9.29	8.66	7.97	7.46	7.01	6.62	6.18

C/ $\gamma(^{\circ})$	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	5.78	5.27	4.93	4.55	4.29	4.02	3.79	3.38	3.07
22.5	5.75	5.30	4.94	4.58	4.30	4.07	3.83	3.47	3.10
45.0	5.78	5.31	4.97	4.62	4.30	4.13	3.85	3.48	3.11
67.5	5.75	5.26	4.80	4.52	4.31	4.15	3.92	3.50	3.11
90.0	5.59	5.06	4.64	4.49	4.32	4.09	3.83	3.45	3.15
112.5	5.75	5.26	4.80	4.52	4.31	4.15	3.92	3.50	3.11
135.0	5.78	5.31	4.97	4.62	4.30	4.13	3.85	3.48	3.11
157.5	5.75	5.30	4.94	4.58	4.30	4.07	3.83	3.47	3.10
180.0	5.78	5.27	4.93	4.55	4.29	4.02	3.79	3.38	3.07
202.5	5.75	5.30	4.94	4.58	4.30	4.07	3.83	3.47	3.10
225.0	5.78	5.31	4.97	4.62	4.30	4.13	3.85	3.48	3.11
247.5	5.75	5.26	4.80	4.52	4.31	4.15	3.92	3.50	3.11
270.0	5.59	5.06	4.64	4.49	4.32	4.09	3.83	3.45	3.15
292.5	5.75	5.26	4.80	4.52	4.31	4.15	3.92	3.50	3.11
315.0	5.78	5.31	4.97	4.62	4.30	4.13	3.85	3.48	3.11
337.5	5.75	5.30	4.94	4.58	4.30	4.07	3.83	3.47	3.10
360.0	5.78	5.27	4.93	4.55	4.29	4.02	3.79	3.38	3.07

C/ $\gamma(^{\circ})$	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	2.84	2.65	2.43	2.23	2.00	1.86	1.78	1.60	1.44
22.5	2.84	2.68	2.44	2.23	2.03	1.84	1.76	1.52	1.42
45.0	2.84	2.63	2.38	2.23	2.02	1.90	1.75	1.56	1.43
67.5	2.84	2.57	2.38	2.23	2.10	1.89	1.65	1.50	1.38
90.0	2.78	2.60	2.40	2.25	2.15	1.83	1.68	1.49	1.38
112.5	2.84	2.57	2.38	2.23	2.10	1.89	1.65	1.50	1.38
135.0	2.84	2.63	2.38	2.23	2.02	1.90	1.75	1.56	1.43
157.5	2.84	2.68	2.44	2.23	2.03	1.84	1.76	1.52	1.42
180.0	2.84	2.65	2.43	2.23	2.00	1.86	1.78	1.60	1.44
202.5	2.84	2.68	2.44	2.23	2.03	1.84	1.76	1.52	1.42
225.0	2.84	2.63	2.38	2.23	2.02	1.90	1.75	1.56	1.43
247.5	2.84	2.57	2.38	2.23	2.10	1.89	1.65	1.50	1.38
270.0	2.78	2.60	2.40	2.25	2.15	1.83	1.68	1.49	1.38
292.5	2.84	2.57	2.38	2.23	2.10	1.89	1.65	1.50	1.38
315.0	2.84	2.63	2.38	2.23	2.02	1.90	1.75	1.56	1.43
337.5	2.84	2.68	2.44	2.23	2.03	1.84	1.76	1.52	1.42
360.0	2.84	2.65	2.43	2.23	2.00	1.86	1.78	1.60	1.44

C/ $\gamma(^{\circ})$	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	1.34	1.27	1.18	1.09	1.01	0.94	0.91	0.80	0.73
22.5	1.33	1.23	1.15	1.08	1.00	0.95	0.93	0.84	0.73
45.0	1.35	1.25	1.18	1.09	1.00	0.97	0.94	0.88	0.79
67.5	1.35	1.27	1.18	1.14	1.09	1.03	0.99	0.85	0.59
90.0	1.32	1.23	1.18	1.15	1.08	1.01	1.01	0.89	0.57
112.5	1.35	1.27	1.18	1.14	1.09	1.03	0.99	0.85	0.59
135.0	1.35	1.25	1.18	1.09	1.00	0.97	0.94	0.88	0.79
157.5	1.33	1.23	1.15	1.08	1.00	0.95	0.93	0.84	0.73
180.0	1.34	1.27	1.18	1.09	1.01	0.94	0.91	0.80	0.73
202.5	1.33	1.23	1.15	1.08	1.00	0.95	0.93	0.84	0.73
225.0	1.35	1.25	1.18	1.09	1.00	0.97	0.94	0.88	0.79
247.5	1.35	1.27	1.18	1.14	1.09	1.03	0.99	0.85	0.59
270.0	1.32	1.23	1.18	1.15	1.08	1.01	1.01	0.89	0.57
292.5	1.35	1.27	1.18	1.14	1.09	1.03	0.99	0.85	0.59
315.0	1.35	1.25	1.18	1.09	1.00	0.97	0.94	0.88	0.79
337.5	1.33	1.23	1.15	1.08	1.00	0.95	0.93	0.84	0.73
360.0	1.34	1.27	1.18	1.09	1.01	0.94	0.91	0.80	0.73

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	0.63	0.41	0.28	0.13	0.05	0.03	0.01	0.00	0.00
22.5	0.58	0.40	0.27	0.13	0.05	0.03	0.01	0.00	0.00
45.0	0.60	0.45	0.33	0.16	0.07	0.04	0.02	0.02	0.02
67.5	0.46	0.42	0.37	0.28	0.15	0.02	0.02	0.00	0.01
90.0	0.47	0.46	0.40	0.30	0.14	0.03	0.00	0.00	0.00
112.5	0.46	0.42	0.37	0.28	0.15	0.02	0.02	0.00	0.01
135.0	0.60	0.45	0.33	0.16	0.07	0.04	0.02	0.02	0.02
157.5	0.58	0.40	0.27	0.13	0.05	0.03	0.01	0.00	0.00
180.0	0.63	0.41	0.28	0.13	0.05	0.03	0.01	0.00	0.00
202.5	0.58	0.40	0.27	0.13	0.05	0.03	0.01	0.00	0.00
225.0	0.60	0.45	0.33	0.16	0.07	0.04	0.02	0.02	0.02
247.5	0.46	0.42	0.37	0.28	0.15	0.02	0.02	0.00	0.01
270.0	0.47	0.46	0.40	0.30	0.14	0.03	0.00	0.00	0.00
292.5	0.46	0.42	0.37	0.28	0.15	0.02	0.02	0.00	0.01
315.0	0.60	0.45	0.33	0.16	0.07	0.04	0.02	0.02	0.02
337.5	0.58	0.40	0.27	0.13	0.05	0.03	0.01	0.00	0.00
360.0	0.63	0.41	0.28	0.13	0.05	0.03	0.01	0.00	0.00
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
90.0	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
270.0	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C/γ(°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
0.0	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.02
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	0.00	0.01	0.04	0.03	0.03	0.03	0.03	0.04	0.05
22.5	0.01	0.03	0.04	0.03	0.04	0.03	0.04	0.05	0.06
45.0	0.00	0.01	0.00	0.02	0.05	0.04	0.05	0.04	0.07
67.5	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.04
90.0	0.01	0.03	0.00	0.00	0.06	0.06	0.03	0.03	0.03
112.5	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.04
135.0	0.00	0.01	0.00	0.02	0.05	0.04	0.05	0.04	0.07
157.5	0.01	0.03	0.04	0.03	0.04	0.03	0.04	0.05	0.06
180.0	0.00	0.01	0.04	0.03	0.03	0.03	0.03	0.04	0.05
202.5	0.01	0.03	0.04	0.03	0.04	0.03	0.04	0.05	0.06
225.0	0.00	0.01	0.00	0.02	0.05	0.04	0.05	0.04	0.07
247.5	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.04
270.0	0.01	0.03	0.00	0.00	0.06	0.06	0.03	0.03	0.03
292.5	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.04
315.0	0.00	0.01	0.00	0.02	0.05	0.04	0.05	0.04	0.07
337.5	0.01	0.03	0.04	0.03	0.04	0.03	0.04	0.05	0.06
360.0	0.00	0.01	0.04	0.03	0.03	0.03	0.03	0.04	0.05
C/γ(°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	0.10	0.09	0.07	0.08	0.09	0.07	0.08	0.12	0.10
22.5	0.06	0.06	0.08	0.08	0.08	0.09	0.11	0.12	0.12
45.0	0.08	0.07	0.07	0.07	0.07	0.09	0.11	0.12	0.14
67.5	0.07	0.10	0.07	0.08	0.09	0.12	0.13	0.12	0.15
90.0	0.04	0.10	0.07	0.10	0.10	0.11	0.11	0.11	0.16
112.5	0.07	0.10	0.07	0.08	0.09	0.12	0.13	0.12	0.15
135.0	0.08	0.07	0.07	0.07	0.07	0.09	0.11	0.12	0.14
157.5	0.06	0.06	0.08	0.08	0.08	0.09	0.11	0.12	0.12
180.0	0.10	0.09	0.07	0.08	0.09	0.07	0.08	0.12	0.10
202.5	0.06	0.06	0.08	0.08	0.08	0.09	0.11	0.12	0.12
225.0	0.08	0.07	0.07	0.07	0.07	0.09	0.11	0.12	0.14
247.5	0.07	0.10	0.07	0.08	0.09	0.12	0.13	0.12	0.15
270.0	0.04	0.10	0.07	0.10	0.10	0.11	0.11	0.11	0.16
292.5	0.07	0.10	0.07	0.08	0.09	0.12	0.13	0.12	0.15
315.0	0.08	0.07	0.07	0.07	0.07	0.09	0.11	0.12	0.14
337.5	0.06	0.06	0.08	0.08	0.08	0.09	0.11	0.12	0.12
360.0	0.10	0.09	0.07	0.08	0.09	0.07	0.08	0.12	0.10
C/γ(°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	0.12	0.19	0.19	0.18	0.21	0.24	0.23	0.25	0.30
22.5	0.14	0.16	0.17	0.19	0.19	0.22	0.24	0.26	0.27
45.0	0.16	0.17	0.18	0.19	0.19	0.23	0.26	0.27	0.28
67.5	0.17	0.20	0.17	0.22	0.20	0.25	0.27	0.27	0.31
90.0	0.14	0.17	0.17	0.18	0.23	0.24	0.24	0.27	0.31
112.5	0.17	0.20	0.17	0.22	0.20	0.25	0.27	0.27	0.31
135.0	0.16	0.17	0.18	0.19	0.19	0.23	0.26	0.27	0.28
157.5	0.14	0.16	0.17	0.19	0.19	0.22	0.24	0.26	0.27
180.0	0.12	0.19	0.19	0.18	0.21	0.24	0.23	0.25	0.30
202.5	0.14	0.16	0.17	0.19	0.19	0.22	0.24	0.26	0.27
225.0	0.16	0.17	0.18	0.19	0.19	0.23	0.26	0.27	0.28
247.5	0.17	0.20	0.17	0.22	0.20	0.25	0.27	0.27	0.31
270.0	0.14	0.17	0.17	0.18	0.23	0.24	0.24	0.27	0.31
292.5	0.17	0.20	0.17	0.22	0.20	0.25	0.27	0.27	0.31
315.0	0.16	0.17	0.18	0.19	0.19	0.23	0.26	0.27	0.28
337.5	0.14	0.16	0.17	0.19	0.19	0.22	0.24	0.26	0.27
360.0	0.12	0.19	0.19	0.18	0.21	0.24	0.23	0.25	0.30

C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	0.33	0.33	0.34	0.35	0.41	0.45	0.62	0.81	0.87
22.5	0.29	0.32	0.35	0.38	0.43	0.46	0.63	0.79	0.89
45.0	0.32	0.34	0.35	0.40	0.44	0.52	0.65	0.85	0.94
67.5	0.32	0.35	0.34	0.40	0.43	0.52	0.64	0.80	0.94
90.0	0.31	0.37	0.37	0.40	0.44	0.53	0.64	0.89	0.97
112.5	0.32	0.35	0.34	0.40	0.43	0.52	0.64	0.80	0.94
135.0	0.32	0.34	0.35	0.40	0.44	0.52	0.65	0.85	0.94
157.5	0.29	0.32	0.35	0.38	0.43	0.46	0.63	0.79	0.89
180.0	0.33	0.33	0.34	0.35	0.41	0.45	0.62	0.81	0.87
202.5	0.29	0.32	0.35	0.38	0.43	0.46	0.63	0.79	0.89
225.0	0.32	0.34	0.35	0.40	0.44	0.52	0.65	0.85	0.94
247.5	0.32	0.35	0.34	0.40	0.43	0.52	0.64	0.80	0.94
270.0	0.31	0.37	0.37	0.40	0.44	0.53	0.64	0.89	0.97
292.5	0.32	0.35	0.34	0.40	0.43	0.52	0.64	0.80	0.94
315.0	0.32	0.34	0.35	0.40	0.44	0.52	0.65	0.85	0.94
337.5	0.29	0.32	0.35	0.38	0.43	0.46	0.63	0.79	0.89
360.0	0.33	0.33	0.34	0.35	0.41	0.45	0.62	0.81	0.87
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	0.97	1.01	1.02	1.08	1.13	1.21	1.29	1.42	1.56
22.5	0.91	0.95	0.99	1.05	1.11	1.21	1.30	1.42	1.58
45.0	0.98	1.02	1.05	1.12	1.18	1.29	1.39	1.51	1.70
67.5	1.05	1.04	1.10	1.16	1.23	1.30	1.35	1.49	1.64
90.0	1.05	1.14	1.14	1.18	1.25	1.34	1.37	1.51	1.59
112.5	1.05	1.04	1.10	1.16	1.23	1.30	1.35	1.49	1.64
135.0	0.98	1.02	1.05	1.12	1.18	1.29	1.39	1.51	1.70
157.5	0.91	0.95	0.99	1.05	1.11	1.21	1.30	1.42	1.58
180.0	0.97	1.01	1.02	1.08	1.13	1.21	1.29	1.42	1.56
202.5	0.91	0.95	0.99	1.05	1.11	1.21	1.30	1.42	1.58
225.0	0.98	1.02	1.05	1.12	1.18	1.29	1.39	1.51	1.70
247.5	1.05	1.04	1.10	1.16	1.23	1.30	1.35	1.49	1.64
270.0	1.05	1.14	1.14	1.18	1.25	1.34	1.37	1.51	1.59
292.5	1.05	1.04	1.10	1.16	1.23	1.30	1.35	1.49	1.64
315.0	0.98	1.02	1.05	1.12	1.18	1.29	1.39	1.51	1.70
337.5	0.91	0.95	0.99	1.05	1.11	1.21	1.30	1.42	1.58
360.0	0.97	1.01	1.02	1.08	1.13	1.21	1.29	1.42	1.56
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	1.75	1.89	1.98	2.07	2.19	2.34	2.50	2.71	2.85
22.5	1.76	1.91	1.99	2.10	2.22	2.38	2.55	2.79	2.91
45.0	1.89	1.96	2.06	2.22	2.38	2.49	2.71	2.92	3.03
67.5	1.82	1.96	2.07	2.18	2.31	2.47	2.61	2.77	3.01
90.0	1.72	1.95	2.03	2.19	2.24	2.40	2.57	2.67	2.85
112.5	1.82	1.96	2.07	2.18	2.31	2.47	2.61	2.77	3.01
135.0	1.89	1.96	2.06	2.22	2.38	2.49	2.71	2.92	3.03
157.5	1.76	1.91	1.99	2.10	2.22	2.38	2.55	2.79	2.91
180.0	1.75	1.89	1.98	2.07	2.19	2.34	2.50	2.71	2.85
202.5	1.76	1.91	1.99	2.10	2.22	2.38	2.55	2.79	2.91
225.0	1.89	1.96	2.06	2.22	2.38	2.49	2.71	2.92	3.03
247.5	1.82	1.96	2.07	2.18	2.31	2.47	2.61	2.77	3.01
270.0	1.72	1.95	2.03	2.19	2.24	2.40	2.57	2.67	2.85
292.5	1.82	1.96	2.07	2.18	2.31	2.47	2.61	2.77	3.01
315.0	1.89	1.96	2.06	2.22	2.38	2.49	2.71	2.92	3.03
337.5	1.76	1.91	1.99	2.10	2.22	2.38	2.55	2.79	2.91
360.0	1.75	1.89	1.98	2.07	2.19	2.34	2.50	2.71	2.85

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	2.97	3.11	3.26	3.47	3.66	3.88	4.04	4.15	4.30
22.5	3.04	3.18	3.36	3.56	3.80	3.97	4.12	4.27	4.46
45.0	3.17	3.34	3.52	3.72	3.97	4.10	4.24	4.46	4.64
67.5	3.18	3.34	3.46	3.63	3.83	4.05	4.26	4.43	4.60
90.0	3.09	3.31	3.39	3.49	3.70	3.88	4.05	4.31	4.54
112.5	3.18	3.34	3.46	3.63	3.83	4.05	4.26	4.43	4.60
135.0	3.17	3.34	3.52	3.72	3.97	4.10	4.24	4.46	4.64
157.5	3.04	3.18	3.36	3.56	3.80	3.97	4.12	4.27	4.46
180.0	2.97	3.11	3.26	3.47	3.66	3.88	4.04	4.15	4.30
202.5	3.04	3.18	3.36	3.56	3.80	3.97	4.12	4.27	4.46
225.0	3.17	3.34	3.52	3.72	3.97	4.10	4.24	4.46	4.64
247.5	3.18	3.34	3.46	3.63	3.83	4.05	4.26	4.43	4.60
270.0	3.09	3.31	3.39	3.49	3.70	3.88	4.05	4.31	4.54
292.5	3.18	3.34	3.46	3.63	3.83	4.05	4.26	4.43	4.60
315.0	3.17	3.34	3.52	3.72	3.97	4.10	4.24	4.46	4.64
337.5	3.04	3.18	3.36	3.56	3.80	3.97	4.12	4.27	4.46
360.0	2.97	3.11	3.26	3.47	3.66	3.88	4.04	4.15	4.30
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	4.51	4.89	5.07	5.20	5.36	5.54	5.84	6.04	6.26
22.5	4.79	5.06	5.20	5.31	5.48	5.72	6.03	6.19	6.46
45.0	4.95	5.18	5.32	5.45	5.66	5.93	6.17	6.38	6.62
67.5	4.77	5.08	5.26	5.49	5.70	5.87	6.10	6.34	6.61
90.0	4.62	4.86	5.02	5.24	5.65	5.76	5.93	6.19	6.42
112.5	4.77	5.08	5.26	5.49	5.70	5.87	6.10	6.34	6.61
135.0	4.95	5.18	5.32	5.45	5.66	5.93	6.17	6.38	6.62
157.5	4.79	5.06	5.20	5.31	5.48	5.72	6.03	6.19	6.46
180.0	4.51	4.89	5.07	5.20	5.36	5.54	5.84	6.04	6.26
202.5	4.79	5.06	5.20	5.31	5.48	5.72	6.03	6.19	6.46
225.0	4.95	5.18	5.32	5.45	5.66	5.93	6.17	6.38	6.62
247.5	4.77	5.08	5.26	5.49	5.70	5.87	6.10	6.34	6.61
270.0	4.62	4.86	5.02	5.24	5.65	5.76	5.93	6.19	6.42
292.5	4.77	5.08	5.26	5.49	5.70	5.87	6.10	6.34	6.61
315.0	4.95	5.18	5.32	5.45	5.66	5.93	6.17	6.38	6.62
337.5	4.79	5.06	5.20	5.31	5.48	5.72	6.03	6.19	6.46
360.0	4.51	4.89	5.07	5.20	5.36	5.54	5.84	6.04	6.26
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	6.57	6.84	7.15	7.49	7.83	8.14	8.56	8.91	9.38
22.5	6.76	7.04	7.30	7.66	7.96	8.28	8.69	9.07	9.48
45.0	6.93	7.21	7.51	7.86	8.17	8.52	8.93	9.30	9.72
67.5	6.87	7.16	7.47	7.81	8.16	8.52	8.93	9.29	9.78
90.0	6.72	7.00	7.33	7.65	8.02	8.40	8.76	9.16	9.67
112.5	6.87	7.16	7.47	7.81	8.16	8.52	8.93	9.29	9.78
135.0	6.93	7.21	7.51	7.86	8.17	8.52	8.93	9.30	9.72
157.5	6.76	7.04	7.30	7.66	7.96	8.28	8.69	9.07	9.48
180.0	6.57	6.84	7.15	7.49	7.83	8.14	8.56	8.91	9.38
202.5	6.76	7.04	7.30	7.66	7.96	8.28	8.69	9.07	9.48
225.0	6.93	7.21	7.51	7.86	8.17	8.52	8.93	9.30	9.72
247.5	6.87	7.16	7.47	7.81	8.16	8.52	8.93	9.29	9.78
270.0	6.72	7.00	7.33	7.65	8.02	8.40	8.76	9.16	9.67
292.5	6.87	7.16	7.47	7.81	8.16	8.52	8.93	9.29	9.78
315.0	6.93	7.21	7.51	7.86	8.17	8.52	8.93	9.30	9.72
337.5	6.76	7.04	7.30	7.66	7.96	8.28	8.69	9.07	9.48
360.0	6.57	6.84	7.15	7.49	7.83	8.14	8.56	8.91	9.38

C/ γ (°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	9.77	10.23	10.71	11.25	11.74	12.28	12.90	13.56	14.25
22.5	9.91	10.34	10.78	11.30	11.83	12.39	12.99	13.66	14.35
45.0	10.15	10.58	11.06	11.56	12.10	12.65	13.24	13.90	14.61
67.5	10.15	10.62	11.09	11.66	12.21	12.78	13.37	14.04	14.76
90.0	10.05	10.59	10.98	11.50	12.09	12.63	13.33	13.96	14.65
112.5	10.15	10.62	11.09	11.66	12.21	12.78	13.37	14.04	14.76
135.0	10.15	10.58	11.06	11.56	12.10	12.65	13.24	13.90	14.61
157.5	9.91	10.34	10.78	11.30	11.83	12.39	12.99	13.66	14.35
180.0	9.77	10.23	10.71	11.25	11.74	12.28	12.90	13.56	14.25
202.5	9.91	10.34	10.78	11.30	11.83	12.39	12.99	13.66	14.35
225.0	10.15	10.58	11.06	11.56	12.10	12.65	13.24	13.90	14.61
247.5	10.15	10.62	11.09	11.66	12.21	12.78	13.37	14.04	14.76
270.0	10.05	10.59	10.98	11.50	12.09	12.63	13.33	13.96	14.65
292.5	10.15	10.62	11.09	11.66	12.21	12.78	13.37	14.04	14.76
315.0	10.15	10.58	11.06	11.56	12.10	12.65	13.24	13.90	14.61
337.5	9.91	10.34	10.78	11.30	11.83	12.39	12.99	13.66	14.35
360.0	9.77	10.23	10.71	11.25	11.74	12.28	12.90	13.56	14.25
C/ γ (°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	15.01	15.81	16.63	17.50	18.33	19.17	19.98	20.72	21.46
22.5	15.09	15.86	16.67	17.52	18.37	19.22	20.03	20.80	21.59
45.0	15.34	16.12	16.92	17.79	18.66	19.48	20.23	21.05	21.79
67.5	15.49	16.26	17.10	17.94	18.80	19.63	20.35	21.13	21.88
90.0	15.46	16.21	17.06	17.91	18.77	19.65	20.43	21.23	21.93
112.5	15.49	16.26	17.10	17.94	18.80	19.63	20.35	21.13	21.88
135.0	15.34	16.12	16.92	17.79	18.66	19.48	20.23	21.05	21.79
157.5	15.09	15.86	16.67	17.52	18.37	19.22	20.03	20.80	21.59
180.0	15.01	15.81	16.63	17.50	18.33	19.17	19.98	20.72	21.46
202.5	15.09	15.86	16.67	17.52	18.37	19.22	20.03	20.80	21.59
225.0	15.34	16.12	16.92	17.79	18.66	19.48	20.23	21.05	21.79
247.5	15.49	16.26	17.10	17.94	18.80	19.63	20.35	21.13	21.88
270.0	15.46	16.21	17.06	17.91	18.77	19.65	20.43	21.23	21.93
292.5	15.49	16.26	17.10	17.94	18.80	19.63	20.35	21.13	21.88
315.0	15.34	16.12	16.92	17.79	18.66	19.48	20.23	21.05	21.79
337.5	15.09	15.86	16.67	17.52	18.37	19.22	20.03	20.80	21.59
360.0	15.01	15.81	16.63	17.50	18.33	19.17	19.98	20.72	21.46
C/ γ (°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	22.25	23.17	24.13	25.07	26.06	27.22	28.33	29.62	31.14
22.5	22.39	23.34	24.28	25.19	26.30	27.46	28.55	29.83	31.36
45.0	22.58	23.52	24.44	25.36	26.41	27.50	28.59	29.83	31.27
67.5	22.62	23.49	24.38	25.21	26.17	27.24	28.33	29.49	30.89
90.0	22.74	23.62	24.45	25.35	26.37	27.44	28.47	29.62	31.01
112.5	22.62	23.49	24.38	25.21	26.17	27.24	28.33	29.49	30.89
135.0	22.58	23.52	24.44	25.36	26.41	27.50	28.59	29.83	31.27
157.5	22.39	23.34	24.28	25.19	26.30	27.46	28.55	29.83	31.36
180.0	22.25	23.17	24.13	25.07	26.06	27.22	28.33	29.62	31.14
202.5	22.39	23.34	24.28	25.19	26.30	27.46	28.55	29.83	31.36
225.0	22.58	23.52	24.44	25.36	26.41	27.50	28.59	29.83	31.27
247.5	22.62	23.49	24.38	25.21	26.17	27.24	28.33	29.49	30.89
270.0	22.74	23.62	24.45	25.35	26.37	27.44	28.47	29.62	31.01
292.5	22.62	23.49	24.38	25.21	26.17	27.24	28.33	29.49	30.89
315.0	22.58	23.52	24.44	25.36	26.41	27.50	28.59	29.83	31.27
337.5	22.39	23.34	24.28	25.19	26.30	27.46	28.55	29.83	31.36
360.0	22.25	23.17	24.13	25.07	26.06	27.22	28.33	29.62	31.14

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	32.82	34.59	36.17	37.08	37.22	36.20	34.61	33.31	32.48		
22.5	33.01	34.75	36.24	37.06	37.11	36.13	34.51	33.25	32.42		
45.0	32.85	34.53	35.98	36.64	36.58	35.67	34.17	33.08	32.31		
67.5	32.46	34.03	35.45	36.11	36.19	35.41	33.88	32.68	32.03		
90.0	32.64	34.25	35.72	36.27	36.19	35.31	33.63	32.44	31.82		
112.5	32.46	34.03	35.45	36.11	36.19	35.41	33.88	32.68	32.03		
135.0	32.85	34.53	35.98	36.64	36.58	35.67	34.17	33.08	32.31		
157.5	33.01	34.75	36.24	37.06	37.11	36.13	34.51	33.25	32.42		
180.0	32.82	34.59	36.17	37.08	37.22	36.20	34.61	33.31	32.48		
202.5	33.01	34.75	36.24	37.06	37.11	36.13	34.51	33.25	32.42		
225.0	32.85	34.53	35.98	36.64	36.58	35.67	34.17	33.08	32.31		
247.5	32.46	34.03	35.45	36.11	36.19	35.41	33.88	32.68	32.03		
270.0	32.64	34.25	35.72	36.27	36.19	35.31	33.63	32.44	31.82		
292.5	32.46	34.03	35.45	36.11	36.19	35.41	33.88	32.68	32.03		
315.0	32.85	34.53	35.98	36.64	36.58	35.67	34.17	33.08	32.31		
337.5	33.01	34.75	36.24	37.06	37.11	36.13	34.51	33.25	32.42		
360.0	32.82	34.59	36.17	37.08	37.22	36.20	34.61	33.31	32.48		
C/ γ (°)	180.0										
0.0	31.36										
22.5	31.36										
45.0	31.36										
67.5	31.36										
90.0	31.36										
112.5	31.36										
135.0	31.36										
157.5	31.36										
180.0	31.36										
202.5	31.36										
225.0	31.36										
247.5	31.36										
270.0	31.36										
292.5	31.36										
315.0	31.36										
337.5	31.36										
360.0	31.36										