

Report No	:		Voltage	:	V
Test No	:	A2206049A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	28.000 W
Luminaire	:	0017440093 LUMIK02&	PF	:	
		0017440096 LUMIK05 28W 5000K 2250lm	Ballast type	:	
LampCAT	:		Width	:	-75 mm
Lamp flux	:	2250.0 lm	Length	:	-75 mm
Number of Lamps	:	1	Height	:	0 mm
Phm Type	:	C			

Photometric Results

Lumens(lm)	:	2250.00	Central intensity(cd)	:	4401.787
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	4404.628
Luminous Efficacy(lm/W)	:	80.36	Angle of maximum intensity	:	C=90.0 γ =0.5
Beam Angle(50%Imax)	:	[C0/180]Total=37.4 [C90/270]Total=37.6			
Field angle(10%Imax)	:	[C0/180]Total=74.0 [C90/270]Total=74.2			
Maximum s/h(1/2)	:	C0_180=0.60 C90_270=0.61			
Maximum s/h(1/4)	:	C0_180=0.64 C90_270=0.64			
Up flux rate of lamp(%)	:	0.36%			
Down flux rate of lamp(%)	:	99.64%			
Up flux rate of LUM(%)	:	0.36%			
Down flux rate of LUM(%)	:	99.64%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	99.323%			

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	4401.787	0.000	0	0.00%	0.00%
0.5	4401.427	1.053	1.053	0.05%	0.05%
1.0	4398.430	3.158	4.211	0.14%	0.19%
1.5	4392.571	5.258	9.469	0.23%	0.42%
2.0	4374.230	7.340	16.808	0.33%	0.75%
2.5	4352.161	9.392	26.201	0.42%	1.16%
3.0	4322.284	11.410	37.611	0.51%	1.67%
3.5	4287.932	13.383	50.993	0.59%	2.27%
4.0	4250.773	15.310	66.304	0.68%	2.95%
4.5	4211.550	17.193	83.497	0.76%	3.71%
5.0	4171.013	19.030	102.527	0.85%	4.56%
5.5	4127.260	20.817	123.344	0.93%	5.48%
6.0	4080.252	22.544	145.887	1.00%	6.48%
6.5	4027.342	24.198	170.086	1.08%	7.56%
7.0	3972.055	25.777	195.862	1.15%	8.70%
7.5	3915.535	27.290	223.152	1.21%	9.92%
8.0	3855.022	28.728	251.88	1.28%	11.19%
8.5	3792.216	30.084	281.963	1.34%	12.53%
9.0	3726.418	31.357	313.32	1.39%	13.93%
9.5	3657.082	32.538	345.858	1.45%	15.37%
10.0	3586.141	33.629	379.487	1.49%	16.87%
10.5	3512.239	34.629	414.116	1.54%	18.41%
11.0	3436.811	35.535	449.651	1.58%	19.98%
11.5	3361.467	36.361	486.011	1.62%	21.60%
12.0	3286.556	37.115	523.127	1.65%	23.25%
12.5	3207.770	37.777	560.904	1.68%	24.93%
13.0	3129.589	38.344	599.248	1.70%	26.63%
13.5	3052.747	38.848	638.096	1.73%	28.36%
14.0	2972.681	39.263	677.359	1.75%	30.10%
14.5	2890.947	39.570	716.929	1.76%	31.86%
15.0	2812.136	39.808	756.737	1.77%	33.63%
15.5	2730.602	39.969	796.706	1.78%	35.41%
16.0	2649.367	40.036	836.742	1.78%	37.19%
16.5	2566.225	40.012	876.754	1.78%	38.97%
17.0	2484.506	39.906	916.66	1.77%	40.74%
17.5	2402.806	39.733	956.393	1.77%	42.51%
18.0	2322.940	39.498	995.891	1.76%	44.26%
18.5	2242.796	39.199	1035.091	1.74%	46.00%

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	2165.523	38.848	1073.939	1.73%	47.73%
19.5	2087.427	38.441	1112.379	1.71%	49.44%
20.0	2010.760	37.966	1150.346	1.69%	51.13%
20.5	1937.924	37.469	1187.814	1.67%	52.79%
21.0	1867.188	36.959	1224.774	1.64%	54.43%
21.5	1796.339	36.402	1261.176	1.62%	56.05%
22.0	1726.118	35.785	1296.961	1.59%	57.64%
22.5	1657.510	35.125	1332.086	1.56%	59.20%
23.0	1591.869	34.449	1366.535	1.53%	60.73%
23.5	1531.550	33.802	1400.337	1.50%	62.24%
24.0	1474.640	33.193	1433.53	1.48%	63.71%
24.5	1423.653	32.635	1466.165	1.45%	65.16%
25.0	1379.728	32.177	1498.341	1.43%	66.59%
25.5	1337.543	31.777	1530.119	1.41%	68.01%
26.0	1297.903	31.390	1561.508	1.40%	69.40%
26.5	1262.341	31.044	1592.553	1.38%	70.78%
27.0	1228.227	30.733	1623.285	1.37%	72.15%
27.5	1194.749	30.415	1653.701	1.35%	73.50%
28.0	1163.763	30.107	1683.807	1.34%	74.84%
28.5	1131.988	29.790	1713.597	1.32%	76.16%
29.0	1097.765	29.403	1743	1.31%	77.47%
29.5	1060.555	28.912	1771.913	1.28%	78.75%
30.0	1020.963	28.317	1800.23	1.26%	80.01%
30.5	980.867	27.648	1827.877	1.23%	81.24%
31.0	939.235	26.915	1854.792	1.20%	82.44%
31.5	897.124	26.117	1880.909	1.16%	83.60%
32.0	855.154	25.279	1906.189	1.12%	84.72%
32.5	812.775	24.401	1930.589	1.08%	85.80%
33.0	770.203	23.477	1954.066	1.04%	86.85%
33.5	729.359	22.541	1976.607	1.00%	87.85%
34.0	688.590	21.597	1998.205	0.96%	88.81%
34.5	646.994	20.607	2018.812	0.92%	89.72%
35.0	606.025	19.581	2038.393	0.87%	90.60%
35.5	565.778	18.541	2056.934	0.82%	91.42%
36.0	524.586	17.465	2074.399	0.78%	92.20%
36.5	484.214	16.354	2090.752	0.73%	92.92%
37.0	443.996	15.226	2105.978	0.68%	93.60%
37.5	404.359	14.078	2120.056	0.63%	94.22%

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	365.874	12.928	2132.984	0.57%	94.80%
38.5	329.313	11.799	2144.783	0.52%	95.32%
39.0	293.767	10.692	2155.475	0.48%	95.80%
39.5	259.629	9.599	2165.074	0.43%	96.23%
40.0	226.311	8.519	2173.593	0.38%	96.60%
40.5	194.400	7.452	2181.045	0.33%	96.94%
41.0	164.745	6.427	2187.473	0.29%	97.22%
41.5	137.636	5.466	2192.938	0.24%	97.46%
42.0	113.924	4.592	2197.531	0.20%	97.67%
42.5	94.200	3.836	2201.367	0.17%	97.84%
43.0	78.427	3.213	2204.58	0.14%	97.98%
43.5	66.927	2.730	2207.31	0.12%	98.10%
44.0	58.182	2.372	2209.682	0.11%	98.21%
44.5	50.437	2.078	2211.76	0.09%	98.30%
45.0	43.157	1.806	2213.566	0.08%	98.38%
45.5	36.535	1.552	2215.118	0.07%	98.45%
46.0	30.696	1.320	2216.438	0.06%	98.51%
46.5	25.765	1.118	2217.556	0.05%	98.56%
47.0	22.070	0.955	2218.512	0.04%	98.60%
47.5	19.610	0.839	2219.351	0.04%	98.64%
48.0	18.165	0.767	2220.117	0.03%	98.67%
48.5	17.545	0.730	2220.848	0.03%	98.70%
49.0	17.206	0.716	2221.564	0.03%	98.74%
49.5	16.899	0.708	2222.272	0.03%	98.77%
50.0	16.672	0.702	2222.975	0.03%	98.80%
50.5	16.448	0.698	2223.673	0.03%	98.83%
51.0	16.192	0.693	2224.366	0.03%	98.86%
51.5	15.857	0.685	2225.051	0.03%	98.89%
52.0	15.488	0.675	2225.726	0.03%	98.92%
52.5	15.191	0.665	2226.391	0.03%	98.95%
53.0	14.886	0.656	2227.047	0.03%	98.98%
53.5	14.578	0.647	2227.694	0.03%	99.01%
54.0	14.284	0.638	2228.333	0.03%	99.04%
54.5	14.103	0.632	2228.964	0.03%	99.07%
55.0	13.900	0.627	2229.591	0.03%	99.09%
55.5	13.584	0.619	2230.21	0.03%	99.12%
56.0	13.142	0.606	2230.816	0.03%	99.15%
56.5	12.555	0.586	2231.402	0.03%	99.17%

Equipment: GMS-1800
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Zonal flux distribution table

Appendix Page: 5 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	11.893	0.561	2231.962	0.02%	99.20%
57.5	11.251	0.534	2232.496	0.02%	99.22%
58.0	10.606	0.507	2233.003	0.02%	99.24%
58.5	9.950	0.479	2233.482	0.02%	99.27%
59.0	9.390	0.453	2233.935	0.02%	99.29%
59.5	8.877	0.430	2234.365	0.02%	99.31%
60.0	8.439	0.410	2234.776	0.02%	99.32%
60.5	7.981	0.391	2235.166	0.02%	99.34%
61.0	7.466	0.369	2235.536	0.02%	99.36%
61.5	6.892	0.345	2235.881	0.02%	99.37%
62.0	6.322	0.319	2236.2	0.01%	99.39%
62.5	5.838	0.295	2236.495	0.01%	99.40%
63.0	5.567	0.278	2236.773	0.01%	99.41%
63.5	5.319	0.267	2237.04	0.01%	99.42%
64.0	5.057	0.255	2237.295	0.01%	99.44%
64.5	4.901	0.246	2237.541	0.01%	99.45%
65.0	4.715	0.238	2237.779	0.01%	99.46%
65.5	4.483	0.229	2238.008	0.01%	99.47%
66.0	4.143	0.216	2238.224	0.01%	99.48%
66.5	3.780	0.199	2238.422	0.01%	99.49%
67.0	3.522	0.184	2238.606	0.01%	99.49%
67.5	3.412	0.175	2238.782	0.01%	99.50%
68.0	3.369	0.172	2238.954	0.01%	99.51%
68.5	3.307	0.170	2239.124	0.01%	99.52%
69.0	3.212	0.167	2239.29	0.01%	99.52%
69.5	3.075	0.161	2239.451	0.01%	99.53%
70.0	2.948	0.155	2239.606	0.01%	99.54%
70.5	2.829	0.149	2239.755	0.01%	99.54%
71.0	2.679	0.143	2239.898	0.01%	99.55%
71.5	2.563	0.136	2240.034	0.01%	99.56%
72.0	2.478	0.131	2240.165	0.01%	99.56%
72.5	2.449	0.129	2240.294	0.01%	99.57%
73.0	2.440	0.128	2240.422	0.01%	99.57%
73.5	2.423	0.128	2240.55	0.01%	99.58%
74.0	2.421	0.127	2240.677	0.01%	99.59%
74.5	2.386	0.127	2240.804	0.01%	99.59%
75.0	2.332	0.125	2240.929	0.01%	99.60%
75.5	2.284	0.122	2241.051	0.01%	99.60%

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

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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	2.244	0.120	2241.171	0.01%	99.61%
76.5	2.200	0.118	2241.29	0.01%	99.61%
77.0	2.140	0.116	2241.406	0.01%	99.62%
77.5	1.978	0.110	2241.516	0.00%	99.62%
78.0	1.645	0.097	2241.613	0.00%	99.63%
78.5	1.248	0.078	2241.69	0.00%	99.63%
79.0	0.975	0.060	2241.75	0.00%	99.63%
79.5	0.784	0.047	2241.798	0.00%	99.64%
80.0	0.612	0.038	2241.835	0.00%	99.64%
80.5	0.421	0.028	2241.863	0.00%	99.64%
81.0	0.205	0.017	2241.88	0.00%	99.64%
81.5	0.057	0.007	2241.887	0.00%	99.64%
82.0	0.021	0.002	2241.889	0.00%	99.64%
82.5	0.006	0.001	2241.89	0.00%	99.64%
83.0	0.001	0.000	2241.89	0.00%	99.64%
83.5	0.000	0.000	2241.89	0.00%	99.64%
84.0	0.000	0.000	2241.89	0.00%	99.64%
84.5	0.000	0.000	2241.89	0.00%	99.64%
85.0	0.000	0.000	2241.89	0.00%	99.64%
85.5	0.000	0.000	2241.89	0.00%	99.64%
86.0	0.000	0.000	2241.89	0.00%	99.64%
86.5	0.000	0.000	2241.89	0.00%	99.64%
87.0	0.000	0.000	2241.89	0.00%	99.64%
87.5	0.000	0.000	2241.89	0.00%	99.64%
88.0	0.000	0.000	2241.89	0.00%	99.64%
88.5	0.000	0.000	2241.89	0.00%	99.64%
89.0	0.000	0.000	2241.89	0.00%	99.64%
89.5	0.000	0.000	2241.89	0.00%	99.64%
90.0	0.000	0.000	2241.89	0.00%	99.64%
90.5	0.000	0.000	2241.89	0.00%	99.64%
91.0	0.000	0.000	2241.89	0.00%	99.64%
91.5	0.000	0.000	2241.89	0.00%	99.64%
92.0	0.000	0.000	2241.89	0.00%	99.64%
92.5	0.000	0.000	2241.89	0.00%	99.64%
93.0	0.000	0.000	2241.89	0.00%	99.64%
93.5	0.000	0.000	2241.89	0.00%	99.64%
94.0	0.000	0.000	2241.89	0.00%	99.64%
94.5	0.000	0.000	2241.89	0.00%	99.64%

Equipment: GMS-1800
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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	2241.89	0.00%	99.64%
95.5	0.000	0.000	2241.89	0.00%	99.64%
96.0	0.000	0.000	2241.89	0.00%	99.64%
96.5	0.000	0.000	2241.89	0.00%	99.64%
97.0	0.000	0.000	2241.89	0.00%	99.64%
97.5	0.000	0.000	2241.89	0.00%	99.64%
98.0	0.000	0.000	2241.89	0.00%	99.64%
98.5	0.000	0.000	2241.89	0.00%	99.64%
99.0	0.000	0.000	2241.89	0.00%	99.64%
99.5	0.000	0.000	2241.89	0.00%	99.64%
100.0	0.000	0.000	2241.89	0.00%	99.64%
100.5	0.000	0.000	2241.89	0.00%	99.64%
101.0	0.000	0.000	2241.89	0.00%	99.64%
101.5	0.000	0.000	2241.89	0.00%	99.64%
102.0	0.000	0.000	2241.89	0.00%	99.64%
102.5	0.000	0.000	2241.89	0.00%	99.64%
103.0	0.000	0.000	2241.89	0.00%	99.64%
103.5	0.000	0.000	2241.89	0.00%	99.64%
104.0	0.000	0.000	2241.89	0.00%	99.64%
104.5	0.000	0.000	2241.89	0.00%	99.64%
105.0	0.000	0.000	2241.89	0.00%	99.64%
105.5	0.000	0.000	2241.89	0.00%	99.64%
106.0	0.000	0.000	2241.89	0.00%	99.64%
106.5	0.000	0.000	2241.89	0.00%	99.64%
107.0	0.000	0.000	2241.89	0.00%	99.64%
107.5	0.000	0.000	2241.89	0.00%	99.64%
108.0	0.000	0.000	2241.89	0.00%	99.64%
108.5	0.000	0.000	2241.89	0.00%	99.64%
109.0	0.000	0.000	2241.89	0.00%	99.64%
109.5	0.000	0.000	2241.89	0.00%	99.64%
110.0	0.000	0.000	2241.89	0.00%	99.64%
110.5	0.000	0.000	2241.89	0.00%	99.64%
111.0	0.000	0.000	2241.89	0.00%	99.64%
111.5	0.000	0.000	2241.89	0.00%	99.64%
112.0	0.000	0.000	2241.89	0.00%	99.64%
112.5	0.000	0.000	2241.89	0.00%	99.64%
113.0	0.000	0.000	2241.89	0.00%	99.64%
113.5	0.000	0.000	2241.89	0.00%	99.64%

Equipment: GMS-1800
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Zonal flux distribution table

Appendix Page: 8 Total:35

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	0.000	0.000	2241.89	0.00%	99.64%
114.5	0.000	0.000	2241.89	0.00%	99.64%
115.0	0.000	0.000	2241.89	0.00%	99.64%
115.5	0.000	0.000	2241.89	0.00%	99.64%
116.0	0.000	0.000	2241.89	0.00%	99.64%
116.5	0.000	0.000	2241.89	0.00%	99.64%
117.0	0.000	0.000	2241.89	0.00%	99.64%
117.5	0.000	0.000	2241.89	0.00%	99.64%
118.0	0.000	0.000	2241.89	0.00%	99.64%
118.5	0.000	0.000	2241.89	0.00%	99.64%
119.0	0.000	0.000	2241.89	0.00%	99.64%
119.5	0.000	0.000	2241.89	0.00%	99.64%
120.0	0.000	0.000	2241.89	0.00%	99.64%
120.5	0.000	0.000	2241.89	0.00%	99.64%
121.0	0.000	0.000	2241.89	0.00%	99.64%
121.5	0.000	0.000	2241.89	0.00%	99.64%
122.0	0.006	0.000	2241.89	0.00%	99.64%
122.5	0.009	0.000	2241.891	0.00%	99.64%
123.0	0.008	0.000	2241.891	0.00%	99.64%
123.5	0.007	0.000	2241.891	0.00%	99.64%
124.0	0.008	0.000	2241.892	0.00%	99.64%
124.5	0.015	0.001	2241.892	0.00%	99.64%
125.0	0.024	0.001	2241.893	0.00%	99.64%
125.5	0.032	0.001	2241.894	0.00%	99.64%
126.0	0.031	0.001	2241.896	0.00%	99.64%
126.5	0.036	0.001	2241.897	0.00%	99.64%
127.0	0.049	0.002	2241.899	0.00%	99.64%
127.5	0.059	0.002	2241.901	0.00%	99.64%
128.0	0.073	0.003	2241.904	0.00%	99.64%
128.5	0.087	0.003	2241.908	0.00%	99.64%
129.0	0.083	0.004	2241.911	0.00%	99.64%
129.5	0.085	0.004	2241.915	0.00%	99.64%
130.0	0.092	0.004	2241.919	0.00%	99.64%
130.5	0.108	0.004	2241.923	0.00%	99.64%
131.0	0.130	0.005	2241.928	0.00%	99.64%
131.5	0.125	0.005	2241.933	0.00%	99.64%
132.0	0.134	0.005	2241.938	0.00%	99.64%
132.5	0.151	0.006	2241.944	0.00%	99.64%

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	0.172	0.007	2241.951	0.00%	99.64%
133.5	0.172	0.007	2241.958	0.00%	99.64%
134.0	0.180	0.007	2241.965	0.00%	99.64%
134.5	0.210	0.008	2241.972	0.00%	99.64%
135.0	0.231	0.009	2241.981	0.00%	99.64%
135.5	0.251	0.009	2241.99	0.00%	99.64%
136.0	0.272	0.010	2242	0.00%	99.64%
136.5	0.288	0.011	2242.011	0.00%	99.64%
137.0	0.311	0.011	2242.022	0.00%	99.65%
137.5	0.347	0.012	2242.034	0.00%	99.65%
138.0	0.367	0.013	2242.047	0.00%	99.65%
138.5	0.409	0.014	2242.062	0.00%	99.65%
139.0	0.446	0.015	2242.077	0.00%	99.65%
139.5	0.519	0.017	2242.094	0.00%	99.65%
140.0	0.657	0.021	2242.115	0.00%	99.65%
140.5	0.827	0.026	2242.141	0.00%	99.65%
141.0	0.962	0.031	2242.172	0.00%	99.65%
141.5	1.036	0.034	2242.206	0.00%	99.65%
142.0	1.072	0.036	2242.242	0.00%	99.66%
142.5	1.121	0.037	2242.279	0.00%	99.66%
143.0	1.178	0.038	2242.317	0.00%	99.66%
143.5	1.244	0.040	2242.357	0.00%	99.66%
144.0	1.332	0.042	2242.399	0.00%	99.66%
144.5	1.442	0.044	2242.443	0.00%	99.66%
145.0	1.551	0.047	2242.49	0.00%	99.67%
145.5	1.660	0.050	2242.541	0.00%	99.67%
146.0	1.799	0.053	2242.594	0.00%	99.67%
146.5	1.986	0.058	2242.652	0.00%	99.67%
147.0	2.142	0.062	2242.714	0.00%	99.68%
147.5	2.228	0.065	2242.779	0.00%	99.68%
148.0	2.315	0.066	2242.845	0.00%	99.68%
148.5	2.415	0.068	2242.913	0.00%	99.69%
149.0	2.526	0.070	2242.983	0.00%	99.69%
149.5	2.655	0.073	2243.056	0.00%	99.69%
150.0	2.777	0.075	2243.131	0.00%	99.69%
150.5	2.934	0.078	2243.209	0.00%	99.70%
151.0	3.113	0.081	2243.29	0.00%	99.70%
151.5	3.252	0.084	2243.374	0.00%	99.71%

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	3.384	0.086	2243.46	0.00%	99.71%
152.5	3.511	0.088	2243.548	0.00%	99.71%
153.0	3.650	0.090	2243.638	0.00%	99.72%
153.5	3.764	0.091	2243.729	0.00%	99.72%
154.0	3.926	0.093	2243.823	0.00%	99.73%
154.5	4.126	0.096	2243.918	0.00%	99.73%
155.0	4.338	0.099	2244.017	0.00%	99.73%
155.5	4.493	0.101	2244.119	0.00%	99.74%
156.0	4.662	0.103	2244.222	0.00%	99.74%
156.5	4.865	0.105	2244.327	0.00%	99.75%
157.0	5.140	0.108	2244.435	0.00%	99.75%
157.5	5.427	0.112	2244.547	0.00%	99.76%
158.0	5.591	0.114	2244.662	0.01%	99.76%
158.5	5.807	0.116	2244.777	0.01%	99.77%
159.0	6.062	0.118	2244.895	0.01%	99.77%
159.5	6.335	0.120	2245.016	0.01%	99.78%
160.0	6.589	0.123	2245.138	0.01%	99.78%
160.5	6.884	0.125	2245.263	0.01%	99.79%
161.0	7.233	0.128	2245.391	0.01%	99.80%
161.5	7.534	0.130	2245.521	0.01%	99.80%
162.0	7.854	0.132	2245.653	0.01%	99.81%
162.5	8.241	0.135	2245.788	0.01%	99.81%
163.0	8.596	0.137	2245.925	0.01%	99.82%
163.5	8.998	0.139	2246.064	0.01%	99.83%
164.0	9.427	0.141	2246.205	0.01%	99.83%
164.5	9.825	0.143	2246.348	0.01%	99.84%
165.0	10.275	0.145	2246.493	0.01%	99.84%
165.5	10.774	0.147	2246.64	0.01%	99.85%
166.0	11.295	0.149	2246.789	0.01%	99.86%
166.5	11.856	0.151	2246.94	0.01%	99.86%
167.0	12.437	0.153	2247.092	0.01%	99.87%
167.5	13.025	0.154	2247.247	0.01%	99.88%
168.0	13.601	0.155	2247.401	0.01%	99.88%
168.5	14.193	0.155	2247.557	0.01%	99.89%
169.0	14.786	0.155	2247.712	0.01%	99.90%
169.5	15.358	0.154	2247.866	0.01%	99.91%
170.0	15.943	0.153	2248.018	0.01%	99.91%
170.5	16.534	0.151	2248.169	0.01%	99.92%

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

Date:
Humidity(%): 55.3%

Operator: CWR

Zonal flux distribution table

Appendix Page: 11 Total:35

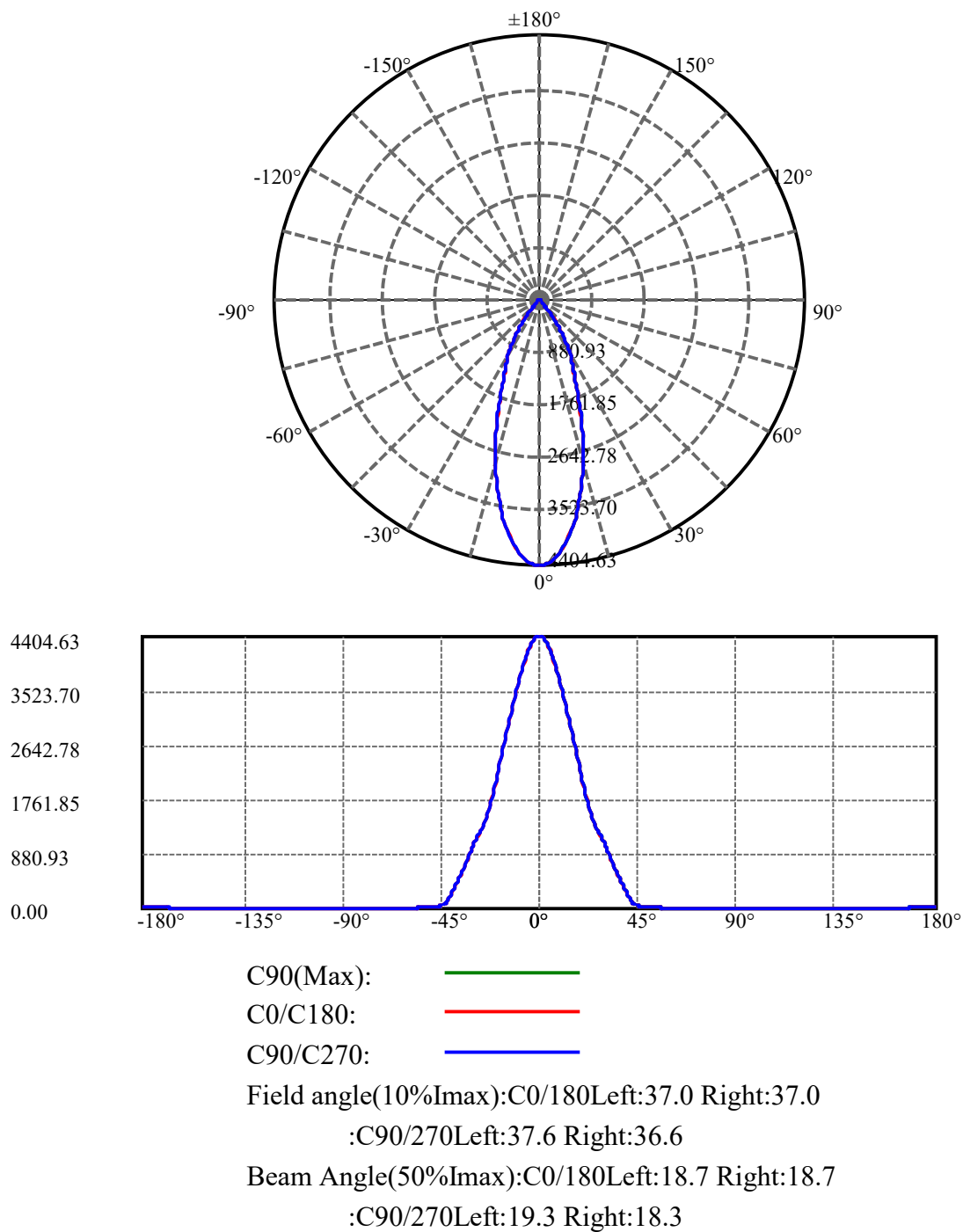
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
171.0	17.157	0.148	2248.318	0.01%	99.93%
171.5	17.828	0.146	2248.464	0.01%	99.93%
172.0	18.496	0.143	2248.606	0.01%	99.94%
172.5	19.238	0.140	2248.746	0.01%	99.94%
173.0	20.024	0.136	2248.882	0.01%	99.95%
173.5	20.883	0.132	2249.014	0.01%	99.96%
174.0	21.808	0.127	2249.141	0.01%	99.96%
174.5	22.778	0.122	2249.263	0.01%	99.97%
175.0	23.808	0.117	2249.38	0.01%	99.97%
175.5	24.917	0.111	2249.491	0.00%	99.98%
176.0	25.954	0.103	2249.594	0.00%	99.98%
176.5	26.758	0.095	2249.689	0.00%	99.99%
177.0	27.211	0.084	2249.773	0.00%	99.99%
177.5	27.098	0.071	2249.844	0.00%	99.99%
178.0	26.543	0.058	2249.902	0.00%	100.00%
178.5	25.870	0.044	2249.946	0.00%	100.00%
179.0	25.160	0.031	2249.976	0.00%	100.00%
179.5	25.125	0.018	2249.994	0.00%	100.00%
180.0	25.322	0.006	2250	0.00%	100.00%

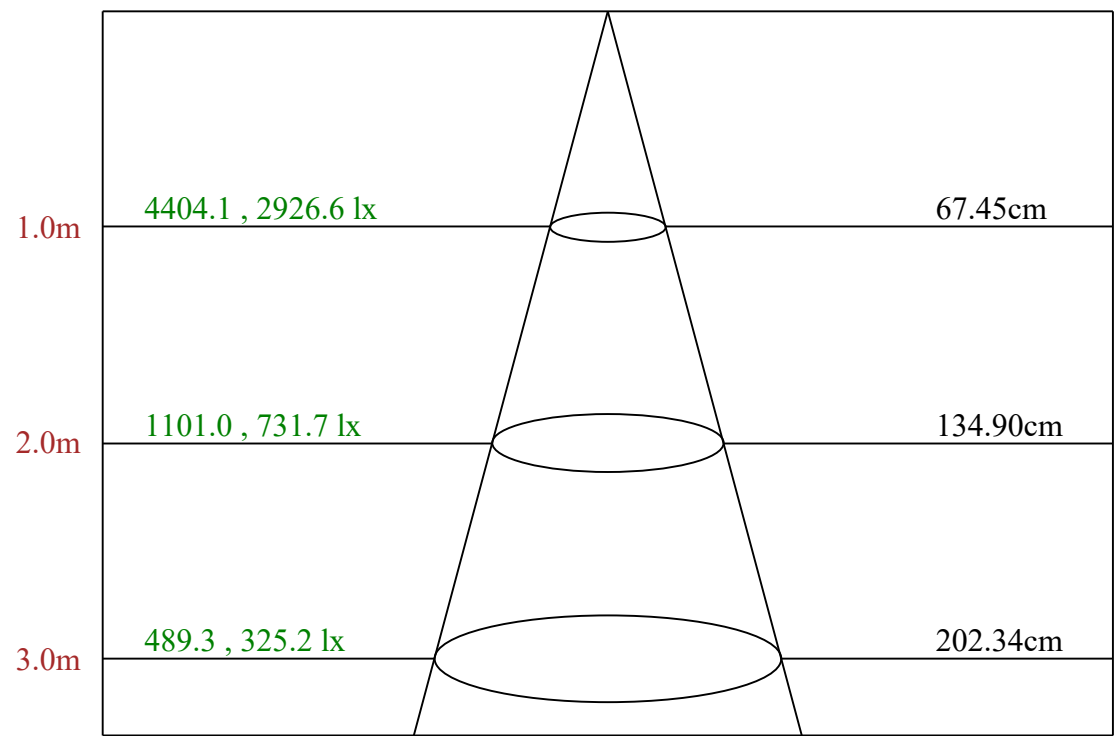
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1800.23	80.01%	80.01%
0-40	2173.59	96.60%	96.60%
0-60	2234.78	99.32%	99.32%
0-90	2241.89	99.64%	99.64%
0-120	2241.89	99.64%	99.64%
0-180	2250.00	100.00%	100.00%
60-90	7.11	0.32%	0.32%
90-120	0.00	0.00%	0.00%
90-130	0.03	0.00%	0.00%
90-150	1.24	0.06%	0.06%
90-180	8.10	0.36%	0.36%
0-30.00	1800.00	80.00%	80.00%

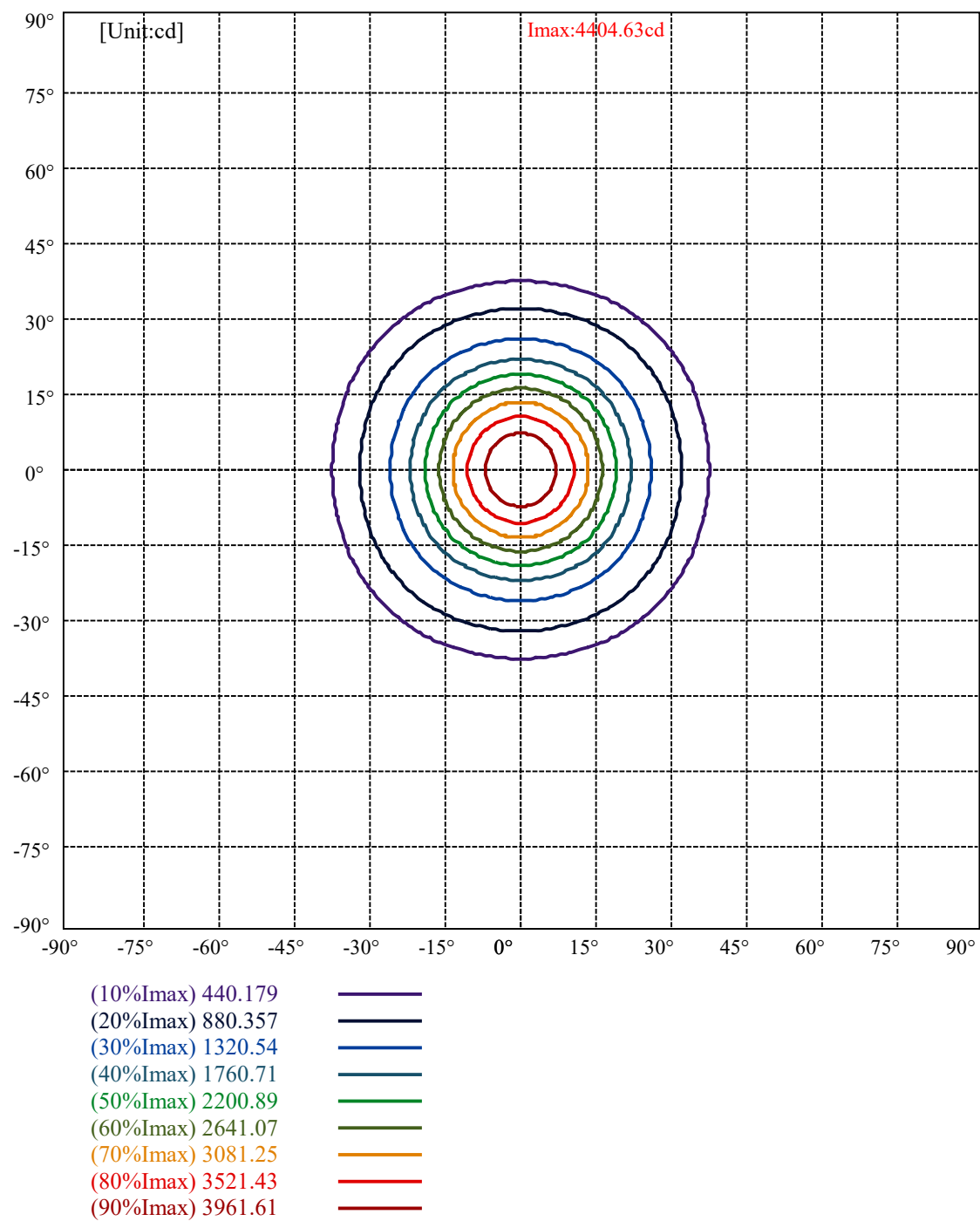
ZONAL LUMEN SUMMARY

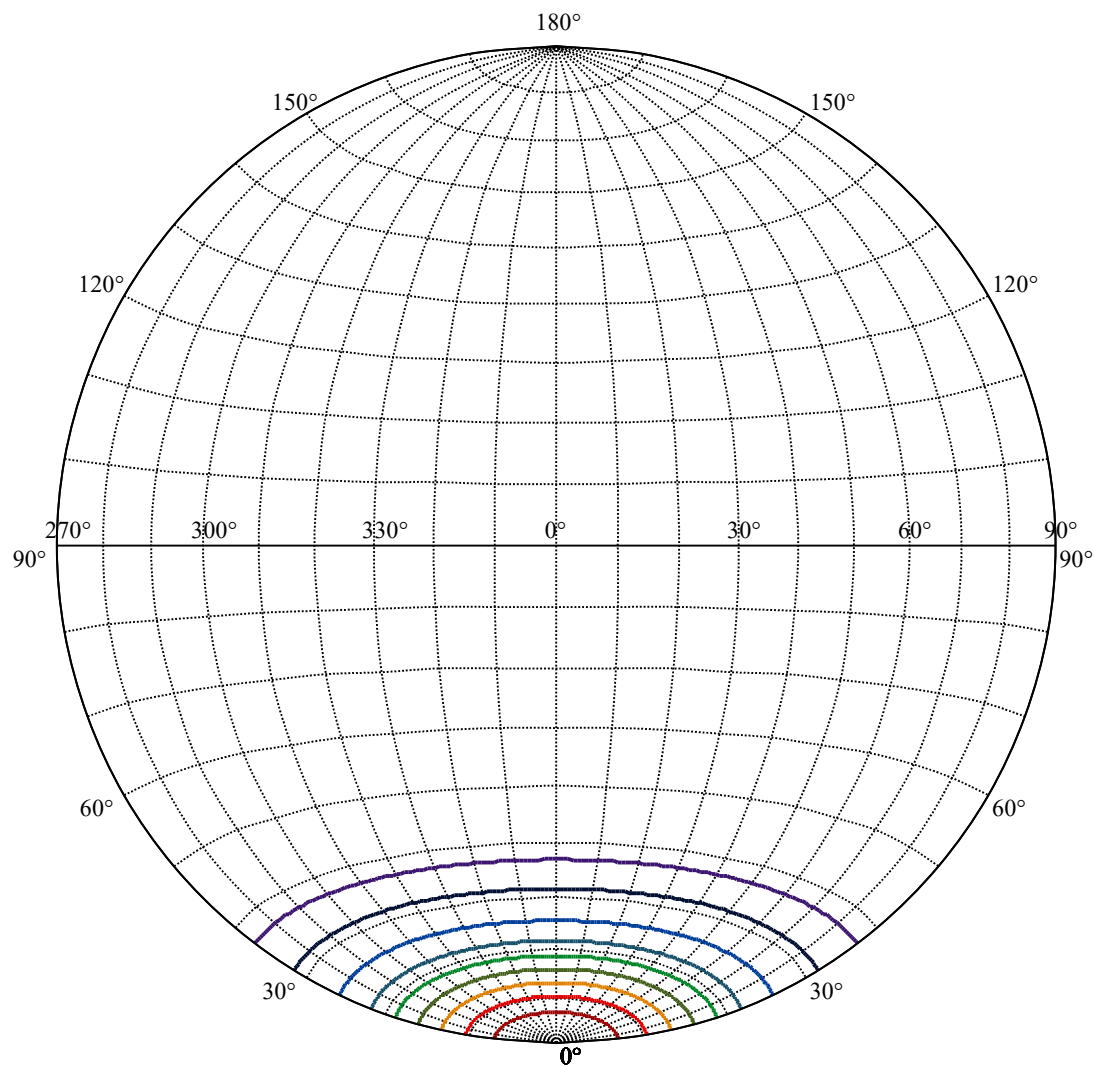
0-10	379.49
10-20	770.86
20-30	649.88
30-40	373.36
40-50	49.38
50-60	11.80
60-70	4.83
70-80	2.23
80-90	0.05
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.03
130-140	0.20
140-150	1.02
150-160	2.01
160-170	2.88
170-180	1.98





Max , Ave Beam angle of C90 plane 37.27



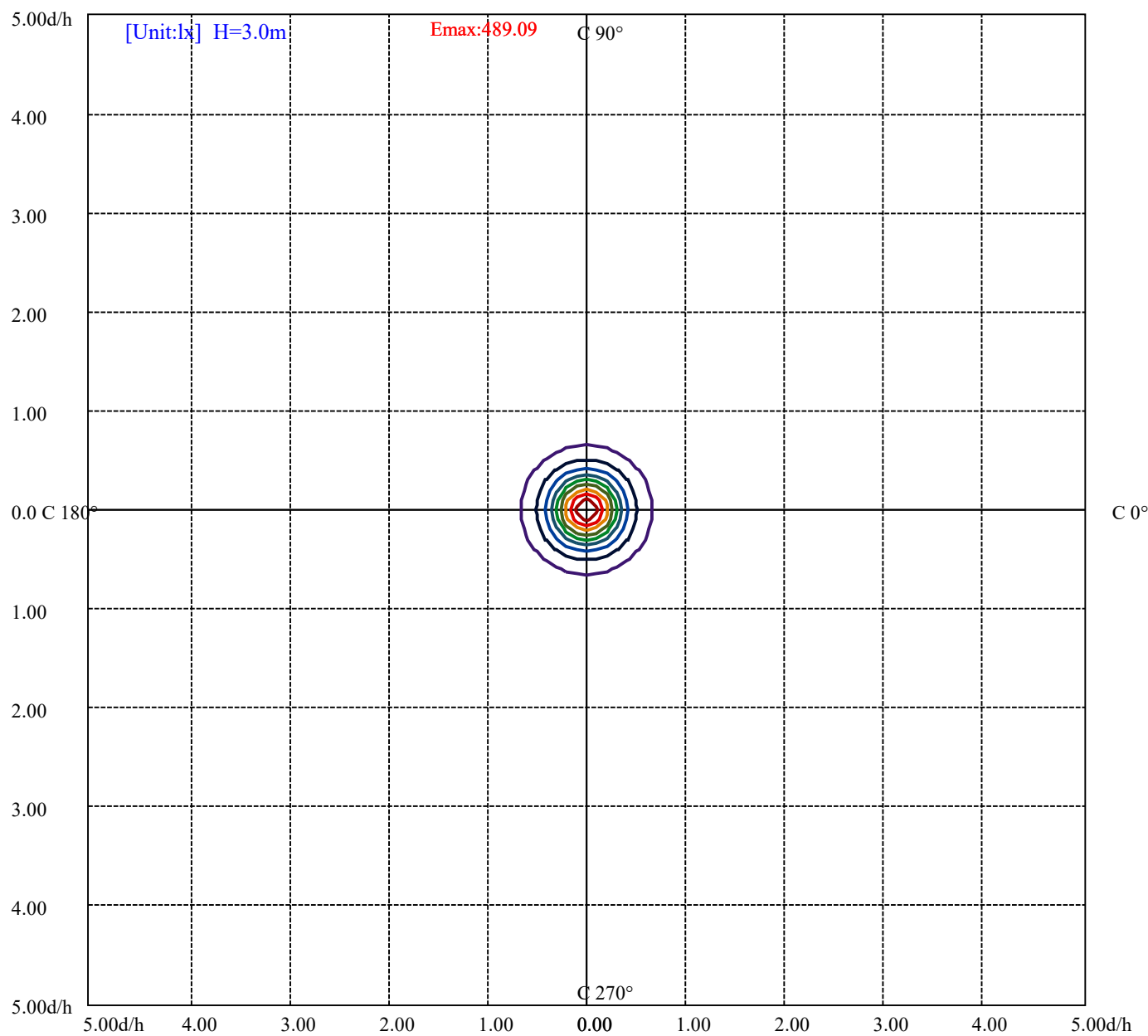


House

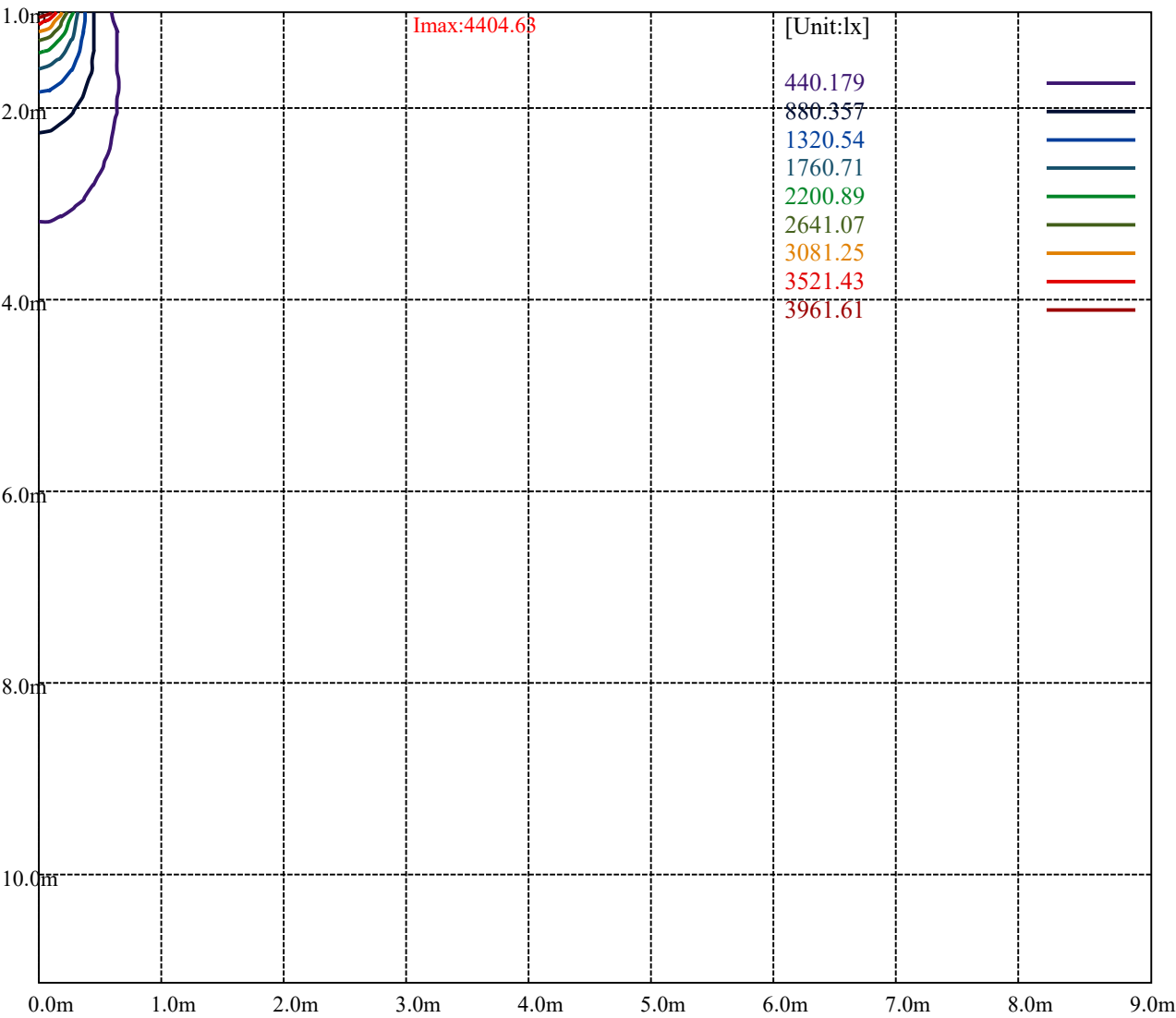
[Unit:cd]

Road

Imax:4404.63	
(10%Imax) 440.179	
(20%Imax) 880.357	
(30%Imax) 1320.54	
(40%Imax) 1760.71	
(50%Imax) 2200.89	
(60%Imax) 2641.07	
(70%Imax) 3081.25	
(80%Imax) 3521.43	
(90%Imax) 3961.61	



(10%Emax) 48.90878	—
(20%Emax) 97.81744	—
(30%Emax) 146.7267	—
(40%Emax) 195.6344	—
(50%Emax) 244.5433	—
(60%Emax) 293.4522	—
(70%Emax) 342.3611	—
(80%Emax) 391.27	—
(90%Emax) 440.1789	—



Luminance Limiting Curve(no luminous side)

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Luminance Table

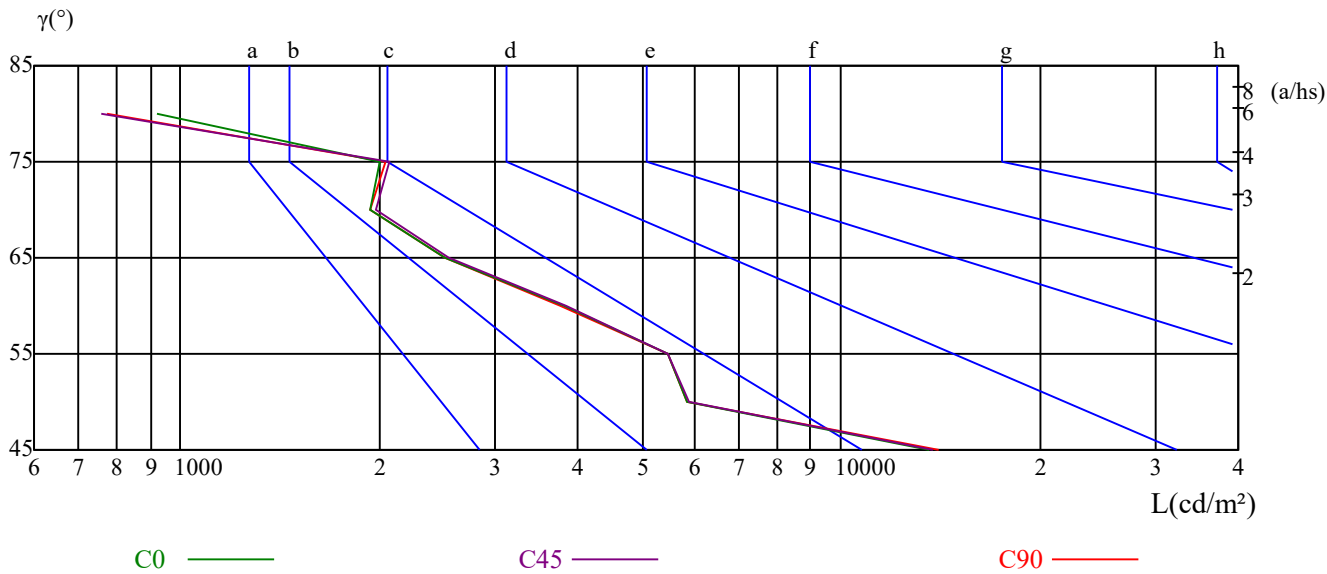
γ	45	50	55	60	65	70	75	80	85
C0	13607	5861	5457	3813	2519	1939	2010	922	0
C45	13749	5880	5481	3841	2553	1971	2068	760	0
C90	14049	5851	5486	3763	2509	1938	2041	772	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2519	2509	2553	2010	2041	2068	0	0	0

Glare Table

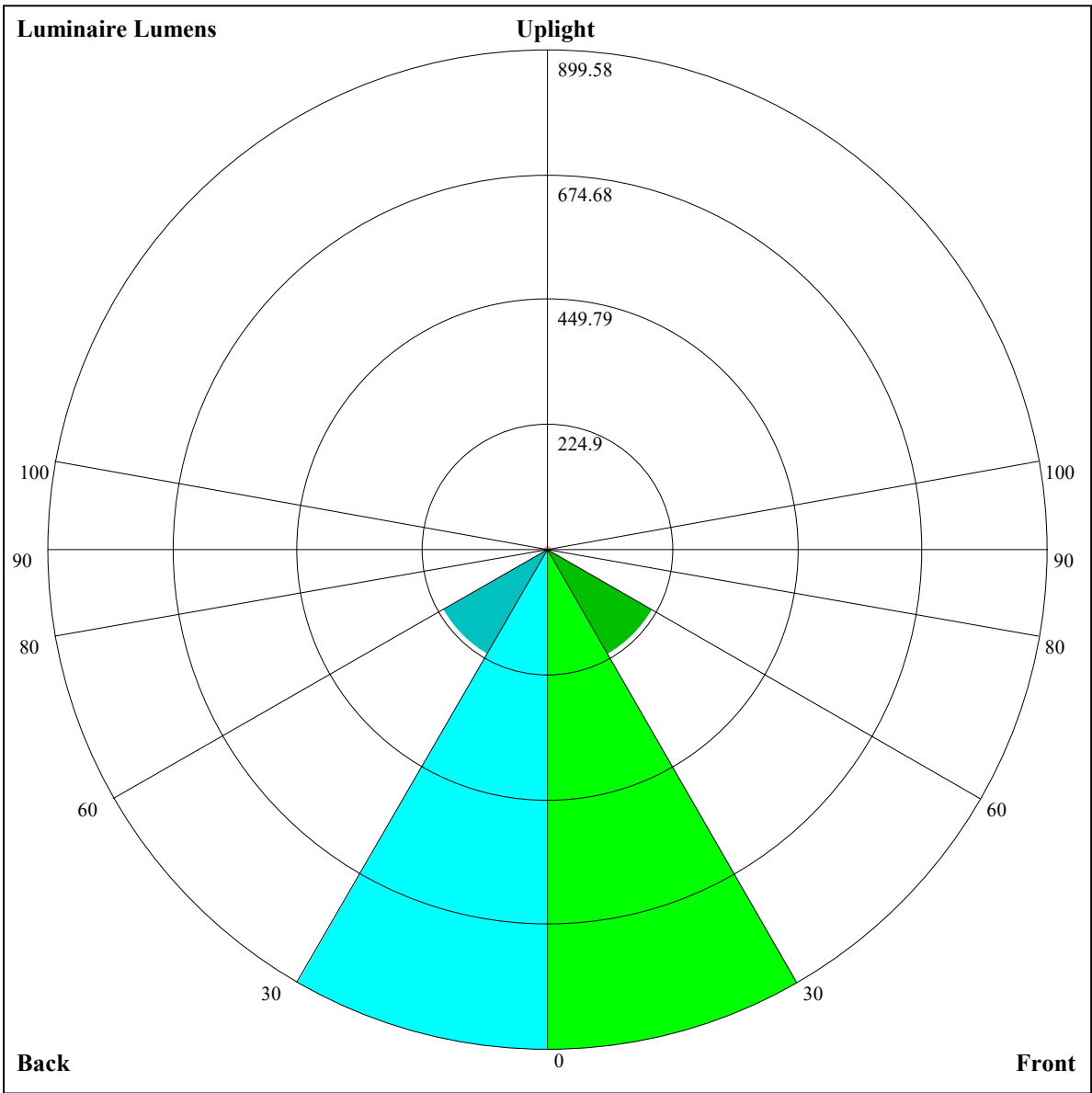
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve



Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	20.37	21.28	20.74	21.60	21.93	20.41	21.32	20.78	21.64	21.97
	3H	20.16	20.97	20.56	21.32	21.67	20.20	21.01	20.59	21.35	21.71
	4H	20.06	20.81	20.47	21.17	21.55	20.09	20.84	20.50	21.21	21.58
	6H	19.97	20.65	20.39	21.03	21.44	20.00	20.69	20.43	21.07	21.48
	8H	19.89	20.54	20.32	20.93	21.35	19.92	20.58	20.36	20.97	21.39
	12H	19.81	20.43	20.25	20.83	21.26	19.85	20.47	20.29	20.87	21.30
4H	2H	20.05	20.80	20.46	21.16	21.54	20.09	20.84	20.50	21.20	21.58
	3H	19.80	20.43	20.24	20.83	21.26	19.84	20.47	20.28	20.87	21.30
	4H	19.73	20.27	20.18	20.70	21.16	19.77	20.31	20.21	20.74	21.20
	6H	19.59	20.06	20.07	20.52	20.98	19.62	20.10	20.11	20.56	21.02
	8H	19.52	19.96	20.02	20.43	20.91	19.56	20.00	20.06	20.47	20.95
	12H	19.47	19.87	19.97	20.33	20.86	19.51	19.91	20.00	20.37	20.90
8H	4H	19.52	19.96	20.02	20.43	20.91	19.56	20.00	20.05	20.46	20.95
	6H	19.37	19.72	19.88	20.21	20.73	19.40	19.76	19.92	20.25	20.77
	8H	19.35	19.64	19.89	20.17	20.68	19.38	19.68	19.93	20.21	20.72
	12H	19.29	19.51	19.84	20.03	20.57	19.32	19.55	19.88	20.07	20.61
12H	4H	19.47	19.87	19.97	20.33	20.86	19.50	19.91	20.00	20.37	20.90
	6H	19.35	19.64	19.89	20.17	20.68	19.38	19.68	19.93	20.21	20.72
	8H	19.29	19.51	19.84	20.03	20.57	19.32	19.55	19.88	20.07	20.61
Variation with the observer position at spacings:											
S = 1.0H		5.6/-12.8					5.6/-12.7				
S = 1.5H		8.4/-14.1					8.4/-14.1				
S = 2.0H		10.4/-15.1					10.4/-15.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		1.2					1.2				

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



Luminaire Lumens:
FL=899.58,FM=218.48,FH=3.54,FVH=0.04
BL=899.58,BM=218.48,BH=3.54,BVH=0.04
UL=0,UH=8.13

BUG Rating:B2-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	4401.79	4398.98	4397.93	4391.59	4372.64	4348.88	4321.55	4286.79	4250.62
22.5	4401.79	4400.36	4396.69	4393.18	4375.21	4351.36	4319.64	4281.50	4240.28
45.0	4401.79	4400.66	4398.05	4390.47	4374.22	4356.84	4323.70	4288.74	4252.64
67.5	4401.79	4402.89	4399.34	4395.10	4374.40	4352.56	4324.23	4292.14	4256.88
90.0	4401.79	4404.63	4401.38	4391.48	4373.52	4346.90	4321.59	4291.91	4255.97
112.5	4401.79	4402.89	4399.34	4395.10	4374.40	4352.56	4324.23	4292.14	4256.88
135.0	4401.79	4400.66	4398.05	4390.47	4374.22	4356.84	4323.70	4288.74	4252.64
157.5	4401.79	4400.36	4396.69	4393.18	4375.21	4351.36	4319.64	4281.50	4240.28
180.0	4401.79	4398.98	4397.93	4391.59	4372.64	4348.88	4321.55	4286.79	4250.62
202.5	4401.79	4400.36	4396.69	4393.18	4375.21	4351.36	4319.64	4281.50	4240.28
225.0	4401.79	4400.66	4398.05	4390.47	4374.22	4356.84	4323.70	4288.74	4252.64
247.5	4401.79	4402.89	4399.34	4395.10	4374.40	4352.56	4324.23	4292.14	4256.88
270.0	4401.79	4404.63	4401.38	4391.48	4373.52	4346.90	4321.59	4291.91	4255.97
292.5	4401.79	4402.89	4399.34	4395.10	4374.40	4352.56	4324.23	4292.14	4256.88
315.0	4401.79	4400.66	4398.05	4390.47	4374.22	4356.84	4323.70	4288.74	4252.64
337.5	4401.79	4400.36	4396.69	4393.18	4375.21	4351.36	4319.64	4281.50	4240.28
360.0	4401.79	4398.98	4397.93	4391.59	4372.64	4348.88	4321.55	4286.79	4250.62
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	4211.06	4172.95	4132.47	4083.23	4023.97	3968.15	3914.95	3857.10	3793.77
22.5	4202.82	4167.90	4124.38	4074.95	4020.15	3963.44	3906.38	3849.76	3788.42
45.0	4215.16	4173.63	4128.80	4079.55	4028.79	3974.93	3916.60	3852.15	3790.88
67.5	4214.88	4170.96	4126.28	4082.36	4030.69	3975.45	3919.28	3856.12	3791.72
90.0	4215.60	4170.17	4126.69	4085.08	4035.51	3980.65	3924.81	3867.03	3801.90
112.5	4214.88	4170.96	4126.28	4082.36	4030.69	3975.45	3919.28	3856.12	3791.72
135.0	4215.16	4173.63	4128.80	4079.55	4028.79	3974.93	3916.60	3852.15	3790.88
157.5	4202.82	4167.90	4124.38	4074.95	4020.15	3963.44	3906.38	3849.76	3788.42
180.0	4211.06	4172.95	4132.47	4083.23	4023.97	3968.15	3914.95	3857.10	3793.77
202.5	4202.82	4167.90	4124.38	4074.95	4020.15	3963.44	3906.38	3849.76	3788.42
225.0	4215.16	4173.63	4128.80	4079.55	4028.79	3974.93	3916.60	3852.15	3790.88
247.5	4214.88	4170.96	4126.28	4082.36	4030.69	3975.45	3919.28	3856.12	3791.72
270.0	4215.60	4170.17	4126.69	4085.08	4035.51	3980.65	3924.81	3867.03	3801.90
292.5	4214.88	4170.96	4126.28	4082.36	4030.69	3975.45	3919.28	3856.12	3791.72
315.0	4215.16	4173.63	4128.80	4079.55	4028.79	3974.93	3916.60	3852.15	3790.88
337.5	4202.82	4167.90	4124.38	4074.95	4020.15	3963.44	3906.38	3849.76	3788.42
360.0	4211.06	4172.95	4132.47	4083.23	4023.97	3968.15	3914.95	3857.10	3793.77
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	3731.53	3659.63	3586.68	3514.50	3441.59	3363.74	3285.24	3207.47	3129.33
22.5	3720.95	3651.89	3584.04	3511.67	3437.27	3362.28	3285.72	3207.77	3130.76
45.0	3726.69	3656.06	3585.20	3511.36	3437.00	3362.29	3290.16	3208.56	3130.65
67.5	3728.28	3662.28	3588.89	3510.58	3432.75	3359.13	3284.26	3206.28	3127.76
90.0	3727.99	3656.58	3586.19	3516.17	3438.87	3360.60	3286.92	3209.48	3129.03
112.5	3728.28	3662.28	3588.89	3510.58	3432.75	3359.13	3284.26	3206.28	3127.76
135.0	3726.69	3656.06	3585.20	3511.36	3437.00	3362.29	3290.16	3208.56	3130.65
157.5	3720.95	3651.89	3584.04	3511.67	3437.27	3362.28	3285.72	3207.77	3130.76
180.0	3731.53	3659.63	3586.68	3514.50	3441.59	3363.74	3285.24	3207.47	3129.33
202.5	3720.95	3651.89	3584.04	3511.67	3437.27	3362.28	3285.72	3207.77	3130.76
225.0	3726.69	3656.06	3585.20	3511.36	3437.00	3362.29	3290.16	3208.56	3130.65
247.5	3728.28	3662.28	3588.89	3510.58	3432.75	3359.13	3284.26	3206.28	3127.76
270.0	3727.99	3656.58	3586.19	3516.17	3438.87	3360.60	3286.92	3209.48	3129.03
292.5	3728.28	3662.28	3588.89	3510.58	3432.75	3359.13	3284.26	3206.28	3127.76
315.0	3726.69	3656.06	3585.20	3511.36	3437.00	3362.29	3290.16	3208.56	3130.65
337.5	3720.95	3651.89	3584.04	3511.67	3437.27	3362.28	3285.72	3207.77	3130.76
360.0	3731.53	3659.63	3586.68	3514.50	3441.59	3363.74	3285.24	3207.47	3129.33

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	3049.28	2969.37	2889.95	2810.00	2729.06	2645.84	2562.35	2480.40	2399.06
22.5	3052.66	2972.84	2895.85	2816.98	2736.02	2651.90	2567.41	2485.07	2405.51
45.0	3057.70	2977.60	2891.41	2816.52	2732.82	2654.47	2571.13	2490.75	2403.14
67.5	3049.87	2971.00	2886.87	2805.84	2726.34	2644.59	2562.81	2480.74	2400.95
90.0	3052.25	2969.20	2889.37	2808.42	2725.42	2647.18	2564.74	2482.53	2404.19
112.5	3049.87	2971.00	2886.87	2805.84	2726.34	2644.59	2562.81	2480.74	2400.95
135.0	3057.70	2977.60	2891.41	2816.52	2732.82	2654.47	2571.13	2490.75	2403.14
157.5	3052.66	2972.84	2895.85	2816.98	2736.02	2651.90	2567.41	2485.07	2405.51
180.0	3049.28	2969.37	2889.95	2810.00	2729.06	2645.84	2562.35	2480.40	2399.06
202.5	3052.66	2972.84	2895.85	2816.98	2736.02	2651.90	2567.41	2485.07	2405.51
225.0	3057.70	2977.60	2891.41	2816.52	2732.82	2654.47	2571.13	2490.75	2403.14
247.5	3049.87	2971.00	2886.87	2805.84	2726.34	2644.59	2562.81	2480.74	2400.95
270.0	3052.25	2969.20	2889.37	2808.42	2725.42	2647.18	2564.74	2482.53	2404.19
292.5	3049.87	2971.00	2886.87	2805.84	2726.34	2644.59	2562.81	2480.74	2400.95
315.0	3057.70	2977.60	2891.41	2816.52	2732.82	2654.47	2571.13	2490.75	2403.14
337.5	3052.66	2972.84	2895.85	2816.98	2736.02	2651.90	2567.41	2485.07	2405.51
360.0	3049.28	2969.37	2889.95	2810.00	2729.06	2645.84	2562.35	2480.40	2399.06

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	2318.60	2236.85	2160.55	2086.76	2008.31	1935.27	1863.16	1794.78	1725.15
22.5	2325.58	2244.74	2165.94	2088.23	2010.13	1938.23	1868.30	1796.94	1725.20
45.0	2325.36	2244.68	2168.01	2089.56	2012.30	1939.80	1870.58	1801.68	1729.29
67.5	2321.49	2243.83	2164.01	2085.34	2010.95	1938.28	1864.34	1793.74	1726.25
90.0	2320.08	2239.02	2167.71	2086.39	2010.99	1935.51	1867.91	1791.23	1722.32
112.5	2321.49	2243.83	2164.01	2085.34	2010.95	1938.28	1864.34	1793.74	1726.25
135.0	2325.36	2244.68	2168.01	2089.56	2012.30	1939.80	1870.58	1801.68	1729.29
157.5	2325.58	2244.74	2165.94	2088.23	2010.13	1938.23	1868.30	1796.94	1725.20
180.0	2318.60	2236.85	2160.55	2086.76	2008.31	1935.27	1863.16	1794.78	1725.15
202.5	2325.58	2244.74	2165.94	2088.23	2010.13	1938.23	1868.30	1796.94	1725.20
225.0	2325.36	2244.68	2168.01	2089.56	2012.30	1939.80	1870.58	1801.68	1729.29
247.5	2321.49	2243.83	2164.01	2085.34	2010.95	1938.28	1864.34	1793.74	1726.25
270.0	2320.08	2239.02	2167.71	2086.39	2010.99	1935.51	1867.91	1791.23	1722.32
292.5	2321.49	2243.83	2164.01	2085.34	2010.95	1938.28	1864.34	1793.74	1726.25
315.0	2325.36	2244.68	2168.01	2089.56	2012.30	1939.80	1870.58	1801.68	1729.29
337.5	2325.58	2244.74	2165.94	2088.23	2010.13	1938.23	1868.30	1796.94	1725.20
360.0	2318.60	2236.85	2160.55	2086.76	2008.31	1935.27	1863.16	1794.78	1725.15

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1656.39	1590.00	1529.41	1468.97	1418.63	1374.34	1329.74	1287.86	1252.07
22.5	1656.28	1592.96	1533.17	1474.91	1423.62	1378.20	1335.67	1295.69	1258.18
45.0	1657.44	1592.53	1533.26	1477.74	1427.67	1384.35	1342.87	1303.54	1268.69
67.5	1657.56	1591.45	1530.31	1474.11	1423.10	1379.73	1337.59	1300.41	1265.33
90.0	1661.14	1591.09	1529.52	1474.62	1421.81	1378.93	1338.35	1296.10	1262.26
112.5	1657.56	1591.45	1530.31	1474.11	1423.10	1379.73	1337.59	1300.41	1265.33
135.0	1657.44	1592.53	1533.26	1477.74	1427.67	1384.35	1342.87	1303.54	1268.69
157.5	1656.28	1592.96	1533.17	1474.91	1423.62	1378.20	1335.67	1295.69	1258.18
180.0	1656.39	1590.00	1529.41	1468.97	1418.63	1374.34	1329.74	1287.86	1252.07
202.5	1656.28	1592.96	1533.17	1474.91	1423.62	1378.20	1335.67	1295.69	1258.18
225.0	1657.44	1592.53	1533.26	1477.74	1427.67	1384.35	1342.87	1303.54	1268.69
247.5	1657.56	1591.45	1530.31	1474.11	1423.10	1379.73	1337.59	1300.41	1265.33
270.0	1661.14	1591.09	1529.52	1474.62	1421.81	1378.93	1338.35	1296.10	1262.26
292.5	1657.56	1591.45	1530.31	1474.11	1423.10	1379.73	1337.59	1300.41	1265.33
315.0	1657.44	1592.53	1533.26	1477.74	1427.67	1384.35	1342.87	1303.54	1268.69
337.5	1656.28	1592.96	1533.17	1474.91	1423.62	1378.20	1335.67	1295.69	1258.18
360.0	1656.39	1590.00	1529.41	1468.97	1418.63	1374.34	1329.74	1287.86	1252.07

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	1220.60	1188.70	1157.16	1126.04	1091.75	1055.69	1017.01	977.92	936.70
22.5	1222.69	1190.21	1160.78	1129.23	1094.46	1057.12	1019.02	980.46	939.74
45.0	1234.24	1199.49	1166.83	1136.28	1102.20	1065.29	1025.31	985.05	943.93
67.5	1231.92	1198.79	1166.81	1134.71	1100.28	1062.55	1021.96	979.23	936.80
90.0	1227.51	1192.32	1164.11	1129.44	1096.49	1058.81	1018.11	979.53	936.25
112.5	1231.92	1198.79	1166.81	1134.71	1100.28	1062.55	1021.96	979.23	936.80
135.0	1234.24	1199.49	1166.83	1136.28	1102.20	1065.29	1025.31	985.05	943.93
157.5	1222.69	1190.21	1160.78	1129.23	1094.46	1057.12	1019.02	980.46	939.74
180.0	1220.60	1188.70	1157.16	1126.04	1091.75	1055.69	1017.01	977.92	936.70
202.5	1222.69	1190.21	1160.78	1129.23	1094.46	1057.12	1019.02	980.46	939.74
225.0	1234.24	1199.49	1166.83	1136.28	1102.20	1065.29	1025.31	985.05	943.93
247.5	1231.92	1198.79	1166.81	1134.71	1100.28	1062.55	1021.96	979.23	936.80
270.0	1227.51	1192.32	1164.11	1129.44	1096.49	1058.81	1018.11	979.53	936.25
292.5	1231.92	1198.79	1166.81	1134.71	1100.28	1062.55	1021.96	979.23	936.80
315.0	1234.24	1199.49	1166.83	1136.28	1102.20	1065.29	1025.31	985.05	943.93
337.5	1222.69	1190.21	1160.78	1129.23	1094.46	1057.12	1019.02	980.46	939.74
360.0	1220.60	1188.70	1157.16	1126.04	1091.75	1055.69	1017.01	977.92	936.70

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	892.09	846.82	804.29	762.12	719.15	678.70	638.87	598.58	559.24
22.5	895.60	851.83	809.38	767.66	726.63	686.02	644.43	604.51	564.76
45.0	904.16	864.18	822.26	779.48	737.84	697.22	654.01	610.18	569.70
67.5	896.34	855.42	812.78	772.12	731.85	690.59	649.40	608.10	567.05
90.0	892.71	851.56	809.07	760.97	723.07	682.36	641.40	604.05	563.98
112.5	896.34	855.42	812.78	772.12	731.85	690.59	649.40	608.10	567.05
135.0	904.16	864.18	822.26	779.48	737.84	697.22	654.01	610.18	569.70
157.5	895.60	851.83	809.38	767.66	726.63	686.02	644.43	604.51	564.76
180.0	892.09	846.82	804.29	762.12	719.15	678.70	638.87	598.58	559.24
202.5	895.60	851.83	809.38	767.66	726.63	686.02	644.43	604.51	564.76
225.0	904.16	864.18	822.26	779.48	737.84	697.22	654.01	610.18	569.70
247.5	896.34	855.42	812.78	772.12	731.85	690.59	649.40	608.10	567.05
270.0	892.71	851.56	809.07	760.97	723.07	682.36	641.40	604.05	563.98
292.5	896.34	855.42	812.78	772.12	731.85	690.59	649.40	608.10	567.05
315.0	904.16	864.18	822.26	779.48	737.84	697.22	654.01	610.18	569.70
337.5	895.60	851.83	809.38	767.66	726.63	686.02	644.43	604.51	564.76
360.0	892.09	846.82	804.29	762.12	719.15	678.70	638.87	598.58	559.24

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	521.14	482.83	443.26	403.55	365.78	328.10	291.19	254.69	219.72
22.5	523.41	481.44	441.79	402.90	364.71	327.54	291.26	257.09	224.15
45.0	526.64	485.76	442.87	401.65	363.05	326.81	292.98	260.86	229.06
67.5	525.79	485.10	445.00	405.47	367.91	331.05	296.17	262.27	228.84
90.0	523.89	486.30	449.39	411.29	369.89	335.59	298.13	261.90	226.67
112.5	525.79	485.10	445.00	405.47	367.91	331.05	296.17	262.27	228.84
135.0	526.64	485.76	442.87	401.65	363.05	326.81	292.98	260.86	229.06
157.5	523.41	481.44	441.79	402.90	364.71	327.54	291.26	257.09	224.15
180.0	521.14	482.83	443.26	403.55	365.78	328.10	291.19	254.69	219.72
202.5	523.41	481.44	441.79	402.90	364.71	327.54	291.26	257.09	224.15
225.0	526.64	485.76	442.87	401.65	363.05	326.81	292.98	260.86	229.06
247.5	525.79	485.10	445.00	405.47	367.91	331.05	296.17	262.27	228.84
270.0	523.89	486.30	449.39	411.29	369.89	335.59	298.13	261.90	226.67
292.5	525.79	485.10	445.00	405.47	367.91	331.05	296.17	262.27	228.84
315.0	526.64	485.76	442.87	401.65	363.05	326.81	292.98	260.86	229.06
337.5	523.41	481.44	441.79	402.90	364.71	327.54	291.26	257.09	224.15
360.0	521.14	482.83	443.26	403.55	365.78	328.10	291.19	254.69	219.72

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	188.16	158.47	131.93	109.14	90.57	76.15	65.43	56.97	49.50
22.5	192.01	162.21	135.89	112.81	93.39	78.04	66.61	57.68	50.04
45.0	197.79	168.48	141.19	116.89	96.22	79.33	67.28	58.37	50.43
67.5	196.84	166.87	139.05	115.20	95.31	79.36	67.67	59.01	51.08
90.0	193.78	164.38	136.90	112.47	93.18	77.81	66.87	58.37	50.91
112.5	196.84	166.87	139.05	115.20	95.31	79.36	67.67	59.01	51.08
135.0	197.79	168.48	141.19	116.89	96.22	79.33	67.28	58.37	50.43
157.5	192.01	162.21	135.89	112.81	93.39	78.04	66.61	57.68	50.04
180.0	188.16	158.47	131.93	109.14	90.57	76.15	65.43	56.97	49.50
202.5	192.01	162.21	135.89	112.81	93.39	78.04	66.61	57.68	50.04
225.0	197.79	168.48	141.19	116.89	96.22	79.33	67.28	58.37	50.43
247.5	196.84	166.87	139.05	115.20	95.31	79.36	67.67	59.01	51.08
270.0	193.78	164.38	136.90	112.47	93.18	77.81	66.87	58.37	50.91
292.5	196.84	166.87	139.05	115.20	95.31	79.36	67.67	59.01	51.08
315.0	197.79	168.48	141.19	116.89	96.22	79.33	67.28	58.37	50.43
337.5	192.01	162.21	135.89	112.81	93.39	78.04	66.61	57.68	50.04
360.0	188.16	158.47	131.93	109.14	90.57	76.15	65.43	56.97	49.50
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	42.51	36.00	30.39	25.75	22.34	20.00	18.47	17.74	17.30
22.5	43.01	36.48	30.63	25.86	22.34	19.86	18.38	17.70	17.31
45.0	42.95	36.33	30.51	25.66	22.00	19.48	18.07	17.47	17.16
67.5	43.48	36.73	30.82	25.75	21.94	19.43	18.01	17.40	17.07
90.0	43.89	37.19	31.27	25.81	21.66	19.35	17.94	17.47	17.26
112.5	43.48	36.73	30.82	25.75	21.94	19.43	18.01	17.40	17.07
135.0	42.95	36.33	30.51	25.66	22.00	19.48	18.07	17.47	17.16
157.5	43.01	36.48	30.63	25.86	22.34	19.86	18.38	17.70	17.31
180.0	42.51	36.00	30.39	25.75	22.34	20.00	18.47	17.74	17.30
202.5	43.01	36.48	30.63	25.86	22.34	19.86	18.38	17.70	17.31
225.0	42.95	36.33	30.51	25.66	22.00	19.48	18.07	17.47	17.16
247.5	43.48	36.73	30.82	25.75	21.94	19.43	18.01	17.40	17.07
270.0	43.89	37.19	31.27	25.81	21.66	19.35	17.94	17.47	17.26
292.5	43.48	36.73	30.82	25.75	21.94	19.43	18.01	17.40	17.07
315.0	42.95	36.33	30.51	25.66	22.00	19.48	18.07	17.47	17.16
337.5	43.01	36.48	30.63	25.86	22.34	19.86	18.38	17.70	17.31
360.0	42.51	36.00	30.39	25.75	22.34	20.00	18.47	17.74	17.30
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	16.91	16.65	16.40	16.14	15.89	15.61	15.27	14.86	14.58
22.5	16.99	16.75	16.53	16.28	15.94	15.59	15.29	14.99	14.67
45.0	16.90	16.70	16.44	16.22	15.91	15.48	15.12	14.83	14.58
67.5	16.82	16.62	16.42	16.12	15.74	15.37	15.08	14.76	14.46
90.0	16.88	16.61	16.40	16.16	15.78	15.42	15.29	15.08	14.63
112.5	16.82	16.62	16.42	16.12	15.74	15.37	15.08	14.76	14.46
135.0	16.90	16.70	16.44	16.22	15.91	15.48	15.12	14.83	14.58
157.5	16.99	16.75	16.53	16.28	15.94	15.59	15.29	14.99	14.67
180.0	16.91	16.65	16.40	16.14	15.89	15.61	15.27	14.86	14.58
202.5	16.99	16.75	16.53	16.28	15.94	15.59	15.29	14.99	14.67
225.0	16.90	16.70	16.44	16.22	15.91	15.48	15.12	14.83	14.58
247.5	16.82	16.62	16.42	16.12	15.74	15.37	15.08	14.76	14.46
270.0	16.88	16.61	16.40	16.16	15.78	15.42	15.29	15.08	14.63
292.5	16.82	16.62	16.42	16.12	15.74	15.37	15.08	14.76	14.46
315.0	16.90	16.70	16.44	16.22	15.91	15.48	15.12	14.83	14.58
337.5	16.99	16.75	16.53	16.28	15.94	15.59	15.29	14.99	14.67
360.0	16.91	16.65	16.40	16.14	15.89	15.61	15.27	14.86	14.58

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	14.20	14.01	13.83	13.58	13.19	12.61	11.94	11.28	10.62
22.5	14.39	14.17	13.99	13.71	13.24	12.65	11.97	11.34	10.71
45.0	14.32	14.13	13.89	13.56	13.18	12.55	11.89	11.20	10.56
67.5	14.21	14.06	13.85	13.51	13.02	12.45	11.84	11.21	10.57
90.0	14.26	14.08	13.90	13.54	13.07	12.54	11.81	11.24	10.54
112.5	14.21	14.06	13.85	13.51	13.02	12.45	11.84	11.21	10.57
135.0	14.32	14.13	13.89	13.56	13.18	12.55	11.89	11.20	10.56
157.5	14.39	14.17	13.99	13.71	13.24	12.65	11.97	11.34	10.71
180.0	14.20	14.01	13.83	13.58	13.19	12.61	11.94	11.28	10.62
202.5	14.39	14.17	13.99	13.71	13.24	12.65	11.97	11.34	10.71
225.0	14.32	14.13	13.89	13.56	13.18	12.55	11.89	11.20	10.56
247.5	14.21	14.06	13.85	13.51	13.02	12.45	11.84	11.21	10.57
270.0	14.26	14.08	13.90	13.54	13.07	12.54	11.81	11.24	10.54
292.5	14.21	14.06	13.85	13.51	13.02	12.45	11.84	11.21	10.57
315.0	14.32	14.13	13.89	13.56	13.18	12.55	11.89	11.20	10.56
337.5	14.39	14.17	13.99	13.71	13.24	12.65	11.97	11.34	10.71
360.0	14.20	14.01	13.83	13.58	13.19	12.61	11.94	11.28	10.62
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	9.95	9.43	8.86	8.42	7.96	7.49	6.91	6.34	5.83
22.5	10.03	9.45	8.94	8.50	8.00	7.51	6.94	6.38	5.87
45.0	9.95	9.42	8.92	8.48	8.02	7.50	6.91	6.32	5.85
67.5	9.91	9.38	8.86	8.41	7.98	7.44	6.85	6.29	5.83
90.0	9.87	9.20	8.71	8.31	7.89	7.35	6.80	6.26	5.77
112.5	9.91	9.38	8.86	8.41	7.98	7.44	6.85	6.29	5.83
135.0	9.95	9.42	8.92	8.48	8.02	7.50	6.91	6.32	5.85
157.5	10.03	9.45	8.94	8.50	8.00	7.51	6.94	6.38	5.87
180.0	9.95	9.43	8.86	8.42	7.96	7.49	6.91	6.34	5.83
202.5	10.03	9.45	8.94	8.50	8.00	7.51	6.94	6.38	5.87
225.0	9.95	9.42	8.92	8.48	8.02	7.50	6.91	6.32	5.85
247.5	9.91	9.38	8.86	8.41	7.98	7.44	6.85	6.29	5.83
270.0	9.87	9.20	8.71	8.31	7.89	7.35	6.80	6.26	5.77
292.5	9.91	9.38	8.86	8.41	7.98	7.44	6.85	6.29	5.83
315.0	9.95	9.42	8.92	8.48	8.02	7.50	6.91	6.32	5.85
337.5	10.03	9.45	8.94	8.50	8.00	7.51	6.94	6.38	5.87
360.0	9.95	9.43	8.86	8.42	7.96	7.49	6.91	6.34	5.83
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	5.61	5.42	5.01	4.88	4.70	4.45	4.18	3.85	3.57
22.5	5.59	5.35	5.04	4.89	4.70	4.47	4.19	3.85	3.56
45.0	5.54	5.32	5.16	4.95	4.77	4.55	4.17	3.78	3.55
67.5	5.56	5.27	5.00	4.88	4.70	4.47	4.09	3.71	3.47
90.0	5.56	5.25	5.04	4.89	4.69	4.47	4.06	3.70	3.45
112.5	5.56	5.27	5.00	4.88	4.70	4.47	4.09	3.71	3.47
135.0	5.54	5.32	5.16	4.95	4.77	4.55	4.17	3.78	3.55
157.5	5.59	5.35	5.04	4.89	4.70	4.47	4.19	3.85	3.56
180.0	5.61	5.42	5.01	4.88	4.70	4.45	4.18	3.85	3.57
202.5	5.59	5.35	5.04	4.89	4.70	4.47	4.19	3.85	3.56
225.0	5.54	5.32	5.16	4.95	4.77	4.55	4.17	3.78	3.55
247.5	5.56	5.27	5.00	4.88	4.70	4.47	4.09	3.71	3.47
270.0	5.56	5.25	5.04	4.89	4.69	4.47	4.06	3.70	3.45
292.5	5.56	5.27	5.00	4.88	4.70	4.47	4.09	3.71	3.47
315.0	5.54	5.32	5.16	4.95	4.77	4.55	4.17	3.78	3.55
337.5	5.59	5.35	5.04	4.89	4.70	4.47	4.19	3.85	3.56
360.0	5.61	5.42	5.01	4.88	4.70	4.45	4.18	3.85	3.57

Intensity data(cd)										Appendix Page: 27 Total:35	
C/ γ (°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5		
0.0	3.46	3.40	3.35	3.24	3.05	2.93	2.83	2.70	2.59		
22.5	3.43	3.37	3.32	3.24	3.10	2.95	2.80	2.64	2.55		
45.0	3.45	3.41	3.32	3.23	3.11	2.98	2.86	2.69	2.58		
67.5	3.38	3.34	3.26	3.14	3.04	2.93	2.83	2.69	2.56		
90.0	3.32	3.31	3.32	3.24	3.05	2.93	2.84	2.68	2.56		
112.5	3.38	3.34	3.26	3.14	3.04	2.93	2.83	2.69	2.56		
135.0	3.45	3.41	3.32	3.23	3.11	2.98	2.86	2.69	2.58		
157.5	3.43	3.37	3.32	3.24	3.10	2.95	2.80	2.64	2.55		
180.0	3.46	3.40	3.35	3.24	3.05	2.93	2.83	2.70	2.59		
202.5	3.43	3.37	3.32	3.24	3.10	2.95	2.80	2.64	2.55		
225.0	3.45	3.41	3.32	3.23	3.11	2.98	2.86	2.69	2.58		
247.5	3.38	3.34	3.26	3.14	3.04	2.93	2.83	2.69	2.56		
270.0	3.32	3.31	3.32	3.24	3.05	2.93	2.84	2.68	2.56		
292.5	3.38	3.34	3.26	3.14	3.04	2.93	2.83	2.69	2.56		
315.0	3.45	3.41	3.32	3.23	3.11	2.98	2.86	2.69	2.58		
337.5	3.43	3.37	3.32	3.24	3.10	2.95	2.80	2.64	2.55		
360.0	3.46	3.40	3.35	3.24	3.05	2.93	2.83	2.70	2.59		
C/ γ (°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0		
0.0	2.48	2.42	2.42	2.39	2.40	2.38	2.30	2.28	2.27		
22.5	2.46	2.41	2.41	2.40	2.37	2.33	2.29	2.26	2.22		
45.0	2.48	2.46	2.46	2.44	2.44	2.42	2.37	2.31	2.24		
67.5	2.48	2.47	2.45	2.45	2.46	2.40	2.35	2.29	2.24		
90.0	2.51	2.49	2.45	2.42	2.44	2.41	2.33	2.29	2.28		
112.5	2.48	2.47	2.45	2.45	2.46	2.40	2.35	2.29	2.24		
135.0	2.48	2.46	2.46	2.44	2.44	2.42	2.37	2.31	2.24		
157.5	2.46	2.41	2.41	2.40	2.37	2.33	2.29	2.26	2.22		
180.0	2.48	2.42	2.42	2.39	2.40	2.38	2.30	2.28	2.27		
202.5	2.46	2.41	2.41	2.40	2.37	2.33	2.29	2.26	2.22		
225.0	2.48	2.46	2.46	2.44	2.44	2.42	2.37	2.31	2.24		
247.5	2.48	2.47	2.45	2.45	2.46	2.40	2.35	2.29	2.24		
270.0	2.51	2.49	2.45	2.42	2.44	2.41	2.33	2.29	2.28		
292.5	2.48	2.47	2.45	2.45	2.46	2.40	2.35	2.29	2.24		
315.0	2.48	2.46	2.46	2.44	2.44	2.42	2.37	2.31	2.24		
337.5	2.46	2.41	2.41	2.40	2.37	2.33	2.29	2.26	2.22		
360.0	2.48	2.42	2.42	2.39	2.40	2.38	2.30	2.28	2.27		
C/ γ (°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5		
0.0	2.26	2.17	1.98	1.62	1.27	1.00	0.84	0.71	0.43		
22.5	2.18	2.11	1.94	1.60	1.22	0.97	0.80	0.61	0.39		
45.0	2.18	2.12	1.97	1.66	1.25	0.95	0.74	0.58	0.43		
67.5	2.20	2.15	2.00	1.67	1.27	0.98	0.79	0.61	0.42		
90.0	2.23	2.18	2.02	1.67	1.24	1.00	0.75	0.59	0.46		
112.5	2.20	2.15	2.00	1.67	1.27	0.98	0.79	0.61	0.42		
135.0	2.18	2.12	1.97	1.66	1.25	0.95	0.74	0.58	0.43		
157.5	2.18	2.11	1.94	1.60	1.22	0.97	0.80	0.61	0.39		
180.0	2.26	2.17	1.98	1.62	1.27	1.00	0.84	0.71	0.43		
202.5	2.18	2.11	1.94	1.60	1.22	0.97	0.80	0.61	0.39		
225.0	2.18	2.12	1.97	1.66	1.25	0.95	0.74	0.58	0.43		
247.5	2.20	2.15	2.00	1.67	1.27	0.98	0.79	0.61	0.42		
270.0	2.23	2.18	2.02	1.67	1.24	1.00	0.75	0.59	0.46		
292.5	2.20	2.15	2.00	1.67	1.27	0.98	0.79	0.61	0.42		
315.0	2.18	2.12	1.97	1.66	1.25	0.95	0.74	0.58	0.43		
337.5	2.18	2.11	1.94	1.60	1.22	0.97	0.80	0.61	0.39		
360.0	2.26	2.17	1.98	1.62	1.27	1.00	0.84	0.71	0.43		

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	0.20	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
22.5	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.21	0.07	0.02	0.02	0.00	0.00	0.00	0.00	0.00
67.5	0.21	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.21	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.21	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.21	0.07	0.02	0.02	0.00	0.00	0.00	0.00	0.00
157.5	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.20	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00
202.5	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.21	0.07	0.02	0.02	0.00	0.00	0.00	0.00	0.00
247.5	0.21	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.21	0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.21	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.21	0.07	0.02	0.02	0.00	0.00	0.00	0.00	0.00
337.5	0.19	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.20	0.04	0.02	0.01	0.00	0.00	0.00	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

Intensity data(cd)

Appendix Page: 30 Total:35

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	0.00	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 (°)	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0
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 (°)	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
22.5	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.04	0.05
45.0	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.03	0.04
67.5	0.00	0.01	0.02	0.01	0.00	0.01	0.02	0.02	0.02
90.0	0.00	0.00	0.01	0.04	0.03	0.00	0.01	0.01	0.01
112.5	0.00	0.01	0.02	0.01	0.00	0.01	0.02	0.02	0.02
135.0	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.03	0.04
157.5	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.04	0.05
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
202.5	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.04	0.05
225.0	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.03	0.04
247.5	0.00	0.01	0.02	0.01	0.00	0.01	0.02	0.02	0.02
270.0	0.00	0.00	0.01	0.04	0.03	0.00	0.01	0.01	0.01
292.5	0.00	0.01	0.02	0.01	0.00	0.01	0.02	0.02	0.02
315.0	0.00	0.01	0.02	0.00	0.00	0.00	0.02	0.03	0.04
337.5	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.04	0.05
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
C/ γ (°)	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0
0.0	0.04	0.04	0.05	0.07	0.07	0.08	0.08	0.07	0.09
22.5	0.05	0.04	0.05	0.06	0.07	0.09	0.08	0.08	0.10
45.0	0.04	0.04	0.05	0.06	0.09	0.09	0.08	0.11	0.10
67.5	0.02	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08
90.0	0.01	0.04	0.04	0.04	0.04	0.10	0.10	0.08	0.08
112.5	0.02	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08
135.0	0.04	0.04	0.05	0.06	0.09	0.09	0.08	0.11	0.10
157.5	0.05	0.04	0.05	0.06	0.07	0.09	0.08	0.08	0.10
180.0	0.04	0.04	0.05	0.07	0.07	0.08	0.08	0.07	0.09
202.5	0.05	0.04	0.05	0.06	0.07	0.09	0.08	0.08	0.10
225.0	0.04	0.04	0.05	0.06	0.09	0.09	0.08	0.11	0.10
247.5	0.02	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08
270.0	0.01	0.04	0.04	0.04	0.04	0.10	0.10	0.08	0.08
292.5	0.02	0.04	0.05	0.06	0.07	0.08	0.08	0.08	0.08
315.0	0.04	0.04	0.05	0.06	0.09	0.09	0.08	0.11	0.10
337.5	0.05	0.04	0.05	0.06	0.07	0.09	0.08	0.08	0.10
360.0	0.04	0.04	0.05	0.07	0.07	0.08	0.08	0.07	0.09
C/ γ (°)	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5
0.0	0.14	0.14	0.14	0.14	0.16	0.18	0.18	0.19	0.20
22.5	0.11	0.12	0.12	0.13	0.16	0.18	0.18	0.19	0.21
45.0	0.10	0.13	0.13	0.15	0.14	0.17	0.17	0.18	0.23
67.5	0.11	0.13	0.12	0.12	0.15	0.17	0.17	0.18	0.21
90.0	0.08	0.15	0.12	0.14	0.14	0.16	0.15	0.15	0.19
112.5	0.11	0.13	0.12	0.12	0.15	0.17	0.17	0.18	0.21
135.0	0.10	0.13	0.13	0.15	0.14	0.17	0.17	0.18	0.23
157.5	0.11	0.12	0.12	0.13	0.16	0.18	0.18	0.19	0.21
180.0	0.14	0.14	0.14	0.14	0.16	0.18	0.18	0.19	0.20
202.5	0.11	0.12	0.12	0.13	0.16	0.18	0.18	0.19	0.21
225.0	0.10	0.13	0.13	0.15	0.14	0.17	0.17	0.18	0.23
247.5	0.11	0.13	0.12	0.12	0.15	0.17	0.17	0.18	0.21
270.0	0.08	0.15	0.12	0.14	0.14	0.16	0.15	0.15	0.19
292.5	0.11	0.13	0.12	0.12	0.15	0.17	0.17	0.18	0.21
315.0	0.10	0.13	0.13	0.15	0.14	0.17	0.17	0.18	0.23
337.5	0.11	0.12	0.12	0.13	0.16	0.18	0.18	0.19	0.21
360.0	0.14	0.14	0.14	0.14	0.16	0.18	0.18	0.19	0.20

C/γ(°)	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0
0.0	0.23	0.25	0.26	0.27	0.29	0.36	0.35	0.40	0.46
22.5	0.24	0.25	0.27	0.29	0.31	0.35	0.38	0.41	0.44
45.0	0.24	0.26	0.27	0.28	0.31	0.34	0.37	0.41	0.46
67.5	0.23	0.26	0.27	0.30	0.32	0.33	0.37	0.41	0.45
90.0	0.20	0.23	0.30	0.29	0.30	0.36	0.35	0.41	0.42
112.5	0.23	0.26	0.27	0.30	0.32	0.33	0.37	0.41	0.45
135.0	0.24	0.26	0.27	0.28	0.31	0.34	0.37	0.41	0.46
157.5	0.24	0.25	0.27	0.29	0.31	0.35	0.38	0.41	0.44
180.0	0.23	0.25	0.26	0.27	0.29	0.36	0.35	0.40	0.46
202.5	0.24	0.25	0.27	0.29	0.31	0.35	0.38	0.41	0.44
225.0	0.24	0.26	0.27	0.28	0.31	0.34	0.37	0.41	0.46
247.5	0.23	0.26	0.27	0.30	0.32	0.33	0.37	0.41	0.45
270.0	0.20	0.23	0.30	0.29	0.30	0.36	0.35	0.41	0.42
292.5	0.23	0.26	0.27	0.30	0.32	0.33	0.37	0.41	0.45
315.0	0.24	0.26	0.27	0.28	0.31	0.34	0.37	0.41	0.46
337.5	0.24	0.25	0.27	0.29	0.31	0.35	0.38	0.41	0.44
360.0	0.23	0.25	0.26	0.27	0.29	0.36	0.35	0.40	0.46
C/γ(°)	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5
0.0	0.49	0.64	0.85	1.00	1.05	1.06	1.11	1.18	1.24
22.5	0.52	0.66	0.83	0.98	1.06	1.09	1.14	1.20	1.26
45.0	0.54	0.67	0.83	0.95	1.01	1.06	1.12	1.17	1.25
67.5	0.52	0.67	0.84	0.96	1.05	1.08	1.12	1.18	1.25
90.0	0.50	0.61	0.77	0.94	1.01	1.04	1.12	1.15	1.20
112.5	0.52	0.67	0.84	0.96	1.05	1.08	1.12	1.18	1.25
135.0	0.54	0.67	0.83	0.95	1.01	1.06	1.12	1.17	1.25
157.5	0.52	0.66	0.83	0.98	1.06	1.09	1.14	1.20	1.26
180.0	0.49	0.64	0.85	1.00	1.05	1.06	1.11	1.18	1.24
202.5	0.52	0.66	0.83	0.98	1.06	1.09	1.14	1.20	1.26
225.0	0.54	0.67	0.83	0.95	1.01	1.06	1.12	1.17	1.25
247.5	0.52	0.67	0.84	0.96	1.05	1.08	1.12	1.18	1.25
270.0	0.50	0.61	0.77	0.94	1.01	1.04	1.12	1.15	1.20
292.5	0.52	0.67	0.84	0.96	1.05	1.08	1.12	1.18	1.25
315.0	0.54	0.67	0.83	0.95	1.01	1.06	1.12	1.17	1.25
337.5	0.52	0.66	0.83	0.98	1.06	1.09	1.14	1.20	1.26
360.0	0.49	0.64	0.85	1.00	1.05	1.06	1.11	1.18	1.24
C/γ(°)	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0
0.0	1.34	1.43	1.54	1.63	1.79	1.99	2.15	2.23	2.26
22.5	1.34	1.44	1.57	1.66	1.81	2.00	2.14	2.22	2.28
45.0	1.34	1.46	1.56	1.67	1.82	2.02	2.16	2.20	2.29
67.5	1.34	1.45	1.56	1.67	1.79	1.98	2.12	2.23	2.38
90.0	1.30	1.41	1.50	1.65	1.75	1.90	2.17	2.30	2.37
112.5	1.34	1.45	1.56	1.67	1.79	1.98	2.12	2.23	2.38
135.0	1.34	1.46	1.56	1.67	1.82	2.02	2.16	2.20	2.29
157.5	1.34	1.44	1.57	1.66	1.81	2.00	2.14	2.22	2.28
180.0	1.34	1.43	1.54	1.63	1.79	1.99	2.15	2.23	2.26
202.5	1.34	1.44	1.57	1.66	1.81	2.00	2.14	2.22	2.28
225.0	1.34	1.46	1.56	1.67	1.82	2.02	2.16	2.20	2.29
247.5	1.34	1.45	1.56	1.67	1.79	1.98	2.12	2.23	2.38
270.0	1.30	1.41	1.50	1.65	1.75	1.90	2.17	2.30	2.37
292.5	1.34	1.45	1.56	1.67	1.79	1.98	2.12	2.23	2.38
315.0	1.34	1.46	1.56	1.67	1.82	2.02	2.16	2.20	2.29
337.5	1.34	1.44	1.57	1.66	1.81	2.00	2.14	2.22	2.28
360.0	1.34	1.43	1.54	1.63	1.79	1.99	2.15	2.23	2.26

C/ γ (°)	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5
0.0	2.36	2.49	2.65	2.76	2.88	3.10	3.23	3.36	3.47
22.5	2.38	2.51	2.64	2.77	2.92	3.11	3.24	3.34	3.44
45.0	2.42	2.55	2.66	2.79	2.94	3.12	3.27	3.42	3.53
67.5	2.47	2.57	2.67	2.79	2.95	3.14	3.25	3.39	3.55
90.0	2.44	2.49	2.64	2.77	2.97	3.09	3.26	3.43	3.59
112.5	2.47	2.57	2.67	2.79	2.95	3.14	3.25	3.39	3.55
135.0	2.42	2.55	2.66	2.79	2.94	3.12	3.27	3.42	3.53
157.5	2.38	2.51	2.64	2.77	2.92	3.11	3.24	3.34	3.44
180.0	2.36	2.49	2.65	2.76	2.88	3.10	3.23	3.36	3.47
202.5	2.38	2.51	2.64	2.77	2.92	3.11	3.24	3.34	3.44
225.0	2.42	2.55	2.66	2.79	2.94	3.12	3.27	3.42	3.53
247.5	2.47	2.57	2.67	2.79	2.95	3.14	3.25	3.39	3.55
270.0	2.44	2.49	2.64	2.77	2.97	3.09	3.26	3.43	3.59
292.5	2.47	2.57	2.67	2.79	2.95	3.14	3.25	3.39	3.55
315.0	2.42	2.55	2.66	2.79	2.94	3.12	3.27	3.42	3.53
337.5	2.38	2.51	2.64	2.77	2.92	3.11	3.24	3.34	3.44
360.0	2.36	2.49	2.65	2.76	2.88	3.10	3.23	3.36	3.47
C/ γ (°)	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0
0.0	3.60	3.74	3.91	4.11	4.32	4.43	4.61	4.82	5.11
22.5	3.57	3.72	3.87	4.09	4.32	4.46	4.59	4.78	5.14
45.0	3.67	3.74	3.90	4.11	4.30	4.47	4.65	4.85	5.10
67.5	3.71	3.83	3.97	4.18	4.35	4.51	4.72	4.93	5.18
90.0	3.70	3.82	4.03	4.16	4.43	4.63	4.76	4.98	5.19
112.5	3.71	3.83	3.97	4.18	4.35	4.51	4.72	4.93	5.18
135.0	3.67	3.74	3.90	4.11	4.30	4.47	4.65	4.85	5.10
157.5	3.57	3.72	3.87	4.09	4.32	4.46	4.59	4.78	5.14
180.0	3.60	3.74	3.91	4.11	4.32	4.43	4.61	4.82	5.11
202.5	3.57	3.72	3.87	4.09	4.32	4.46	4.59	4.78	5.14
225.0	3.67	3.74	3.90	4.11	4.30	4.47	4.65	4.85	5.10
247.5	3.71	3.83	3.97	4.18	4.35	4.51	4.72	4.93	5.18
270.0	3.70	3.82	4.03	4.16	4.43	4.63	4.76	4.98	5.19
292.5	3.71	3.83	3.97	4.18	4.35	4.51	4.72	4.93	5.18
315.0	3.67	3.74	3.90	4.11	4.30	4.47	4.65	4.85	5.10
337.5	3.57	3.72	3.87	4.09	4.32	4.46	4.59	4.78	5.14
360.0	3.60	3.74	3.91	4.11	4.32	4.43	4.61	4.82	5.11
C/ γ (°)	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5
0.0	5.44	5.59	5.75	5.96	6.28	6.52	6.80	7.19	7.49
22.5	5.43	5.57	5.74	5.99	6.29	6.57	6.85	7.18	7.48
45.0	5.36	5.52	5.78	6.05	6.31	6.53	6.83	7.19	7.46
67.5	5.41	5.59	5.85	6.15	6.37	6.63	6.94	7.28	7.58
90.0	5.56	5.76	5.98	6.18	6.46	6.74	7.05	7.37	7.74
112.5	5.41	5.59	5.85	6.15	6.37	6.63	6.94	7.28	7.58
135.0	5.36	5.52	5.78	6.05	6.31	6.53	6.83	7.19	7.46
157.5	5.43	5.57	5.74	5.99	6.29	6.57	6.85	7.18	7.48
180.0	5.44	5.59	5.75	5.96	6.28	6.52	6.80	7.19	7.49
202.5	5.43	5.57	5.74	5.99	6.29	6.57	6.85	7.18	7.48
225.0	5.36	5.52	5.78	6.05	6.31	6.53	6.83	7.19	7.46
247.5	5.41	5.59	5.85	6.15	6.37	6.63	6.94	7.28	7.58
270.0	5.56	5.76	5.98	6.18	6.46	6.74	7.05	7.37	7.74
292.5	5.41	5.59	5.85	6.15	6.37	6.63	6.94	7.28	7.58
315.0	5.36	5.52	5.78	6.05	6.31	6.53	6.83	7.19	7.46
337.5	5.43	5.57	5.74	5.99	6.29	6.57	6.85	7.18	7.48
360.0	5.44	5.59	5.75	5.96	6.28	6.52	6.80	7.19	7.49

C/γ(°)	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0
0.0	7.78	8.16	8.50	8.96	9.34	9.72	10.16	10.69	11.22
22.5	7.79	8.17	8.53	8.95	9.35	9.78	10.21	10.69	11.23
45.0	7.78	8.17	8.51	8.88	9.34	9.72	10.16	10.66	11.17
67.5	7.92	8.31	8.68	9.07	9.49	9.90	10.38	10.87	11.38
90.0	8.07	8.45	8.83	9.24	9.72	10.08	10.55	11.07	11.58
112.5	7.92	8.31	8.68	9.07	9.49	9.90	10.38	10.87	11.38
135.0	7.78	8.17	8.51	8.88	9.34	9.72	10.16	10.66	11.17
157.5	7.79	8.17	8.53	8.95	9.35	9.78	10.21	10.69	11.23
180.0	7.78	8.16	8.50	8.96	9.34	9.72	10.16	10.69	11.22
202.5	7.79	8.17	8.53	8.95	9.35	9.78	10.21	10.69	11.23
225.0	7.78	8.17	8.51	8.88	9.34	9.72	10.16	10.66	11.17
247.5	7.92	8.31	8.68	9.07	9.49	9.90	10.38	10.87	11.38
270.0	8.07	8.45	8.83	9.24	9.72	10.08	10.55	11.07	11.58
292.5	7.92	8.31	8.68	9.07	9.49	9.90	10.38	10.87	11.38
315.0	7.78	8.17	8.51	8.88	9.34	9.72	10.16	10.66	11.17
337.5	7.79	8.17	8.53	8.95	9.35	9.78	10.21	10.69	11.23
360.0	7.78	8.16	8.50	8.96	9.34	9.72	10.16	10.69	11.22
C/γ(°)	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5
0.0	11.77	12.35	12.93	13.55	14.11	14.68	15.23	15.86	16.44
22.5	11.79	12.40	12.95	13.52	14.09	14.67	15.24	15.83	16.45
45.0	11.74	12.31	12.92	13.45	14.05	14.67	15.25	15.83	16.42
67.5	11.93	12.51	13.11	13.72	14.31	14.92	15.49	16.06	16.65
90.0	12.15	12.71	13.32	13.88	14.55	15.11	15.68	16.25	16.80
112.5	11.93	12.51	13.11	13.72	14.31	14.92	15.49	16.06	16.65
135.0	11.74	12.31	12.92	13.45	14.05	14.67	15.25	15.83	16.42
157.5	11.79	12.40	12.95	13.52	14.09	14.67	15.24	15.83	16.45
180.0	11.77	12.35	12.93	13.55	14.11	14.68	15.23	15.86	16.44
202.5	11.79	12.40	12.95	13.52	14.09	14.67	15.24	15.83	16.45
225.0	11.74	12.31	12.92	13.45	14.05	14.67	15.25	15.83	16.42
247.5	11.93	12.51	13.11	13.72	14.31	14.92	15.49	16.06	16.65
270.0	12.15	12.71	13.32	13.88	14.55	15.11	15.68	16.25	16.80
292.5	11.93	12.51	13.11	13.72	14.31	14.92	15.49	16.06	16.65
315.0	11.74	12.31	12.92	13.45	14.05	14.67	15.25	15.83	16.42
337.5	11.79	12.40	12.95	13.52	14.09	14.67	15.24	15.83	16.45
360.0	11.77	12.35	12.93	13.55	14.11	14.68	15.23	15.86	16.44
C/γ(°)	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
0.0	17.11	17.85	18.58	19.39	20.23	21.21	22.28	23.47	24.58
22.5	17.12	17.79	18.48	19.27	20.11	21.03	22.08	23.13	24.25
45.0	17.01	17.71	18.34	19.08	19.87	20.71	21.62	22.58	23.58
67.5	17.24	17.88	18.54	19.25	19.98	20.77	21.59	22.45	23.41
90.0	17.40	18.01	18.66	19.32	20.05	20.85	21.63	22.44	23.39
112.5	17.24	17.88	18.54	19.25	19.98	20.77	21.59	22.45	23.41
135.0	17.01	17.71	18.34	19.08	19.87	20.71	21.62	22.58	23.58
157.5	17.12	17.79	18.48	19.27	20.11	21.03	22.08	23.13	24.25
180.0	17.11	17.85	18.58	19.39	20.23	21.21	22.28	23.47	24.58
202.5	17.12	17.79	18.48	19.27	20.11	21.03	22.08	23.13	24.25
225.0	17.01	17.71	18.34	19.08	19.87	20.71	21.62	22.58	23.58
247.5	17.24	17.88	18.54	19.25	19.98	20.77	21.59	22.45	23.41
270.0	17.40	18.01	18.66	19.32	20.05	20.85	21.63	22.44	23.39
292.5	17.24	17.88	18.54	19.25	19.98	20.77	21.59	22.45	23.41
315.0	17.01	17.71	18.34	19.08	19.87	20.71	21.62	22.58	23.58
337.5	17.12	17.79	18.48	19.27	20.11	21.03	22.08	23.13	24.25
360.0	17.11	17.85	18.58	19.39	20.23	21.21	22.28	23.47	24.58

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	25.74	26.82	27.60	27.97	27.73	26.99	26.31	25.18	25.10
22.5	25.42	26.45	27.21	27.59	27.32	26.55	25.73	24.99	25.11
45.0	24.71	25.73	26.52	27.05	26.90	26.28	25.65	25.04	25.13
67.5	24.47	25.49	26.34	26.86	26.90	26.57	25.97	25.28	25.14
90.0	24.40	25.50	26.31	26.74	26.81	26.55	25.96	25.49	25.16
112.5	24.47	25.49	26.34	26.86	26.90	26.57	25.97	25.28	25.14
135.0	24.71	25.73	26.52	27.05	26.90	26.28	25.65	25.04	25.13
157.5	25.42	26.45	27.21	27.59	27.32	26.55	25.73	24.99	25.11
180.0	25.74	26.82	27.60	27.97	27.73	26.99	26.31	25.18	25.10
202.5	25.42	26.45	27.21	27.59	27.32	26.55	25.73	24.99	25.11
225.0	24.71	25.73	26.52	27.05	26.90	26.28	25.65	25.04	25.13
247.5	24.47	25.49	26.34	26.86	26.90	26.57	25.97	25.28	25.14
270.0	24.40	25.50	26.31	26.74	26.81	26.55	25.96	25.49	25.16
292.5	24.47	25.49	26.34	26.86	26.90	26.57	25.97	25.28	25.14
315.0	24.71	25.73	26.52	27.05	26.90	26.28	25.65	25.04	25.13
337.5	25.42	26.45	27.21	27.59	27.32	26.55	25.73	24.99	25.11
360.0	25.74	26.82	27.60	27.97	27.73	26.99	26.31	25.18	25.10
C/ γ (°)	180.0								
0.0	25.32								
22.5	25.32								
45.0	25.32								
67.5	25.32								
90.0	25.32								
112.5	25.32								
135.0	25.32								
157.5	25.32								
180.0	25.32								
202.5	25.32								
225.0	25.32								
247.5	25.32								
270.0	25.32								
292.5	25.32								
315.0	25.32								
337.5	25.32								
360.0	25.32								