

Report No	:		Voltage	:	V
Test No	:	A2401351A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	23.000 W
Luminaire	:	0028320197 23W 3500K 3220lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3220.0 lm	Width	:	595 mm
Number of Lamps	:	1	Length	:	595 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3220.00	Central intensity(cd)	:	1977.113
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2069.342
Luminous Efficacy(lm/W)	:	140.00	Angle of maximum intensity	:	C=30.0 γ =19.0
Beam Angle(50%Imax)	:	[C0/180]Total=78.7 [C90/270]Total=78.9			
Field angle(10%Imax)	:	[C0/180]Total=99.6 [C90/270]Total=99.5			
Maximum s/h(1/2)	:	C0_180=1.22 C90_270=1.25			
Maximum s/h(1/4)	:	C0_180=1.13 C90_270=1.14			
Up flux rate of lamp(%)	:	0.00%			
Down flux rate of lamp(%)	:	100.00%			
Up flux rate of LUM(%)	:	--			
Down flux rate of LUM(%)	:	100.00%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	98.349%			

Zonal flux distribution table

Appendix Page: 2 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1977.113	0.000	0	0.00%	0.00%
0.5	1977.524	0.473	0.473	0.01%	0.01%
1.0	1977.216	1.419	1.892	0.04%	0.06%
1.5	1976.658	2.365	4.257	0.07%	0.13%
2.0	1975.979	3.309	7.566	0.10%	0.23%
2.5	1975.466	4.253	11.819	0.13%	0.37%
3.0	1975.075	5.196	17.016	0.16%	0.53%
3.5	1974.383	6.138	23.154	0.19%	0.72%
4.0	1973.793	7.079	30.233	0.22%	0.94%
4.5	1973.049	8.019	38.252	0.25%	1.19%
5.0	1972.460	8.957	47.209	0.28%	1.47%
5.5	1972.556	9.896	57.106	0.31%	1.77%
6.0	1972.607	10.836	67.942	0.34%	2.11%
6.5	1973.408	11.777	79.719	0.37%	2.48%
7.0	1974.472	12.721	92.441	0.40%	2.87%
7.5	1975.831	13.667	106.108	0.42%	3.30%
8.0	1977.434	14.615	120.723	0.45%	3.75%
8.5	1979.376	15.566	136.289	0.48%	4.23%
9.0	1981.504	16.519	152.808	0.51%	4.75%
9.5	1983.594	17.474	170.282	0.54%	5.29%
10.0	1985.581	18.428	188.71	0.57%	5.86%
10.5	1987.773	19.384	208.093	0.60%	6.46%
11.0	1990.331	20.343	228.436	0.63%	7.09%
11.5	1992.536	21.302	249.738	0.66%	7.76%
12.0	1994.818	22.261	271.999	0.69%	8.45%
12.5	1996.940	23.220	295.219	0.72%	9.17%
13.0	1998.908	24.177	319.396	0.75%	9.92%
13.5	2000.658	25.132	344.528	0.78%	10.70%
14.0	2002.331	26.085	370.613	0.81%	11.51%
14.5	2003.568	27.033	397.646	0.84%	12.35%
15.0	2004.305	27.975	425.621	0.87%	13.22%
15.5	2004.985	28.911	454.533	0.90%	14.12%
16.0	2005.510	29.845	484.378	0.93%	15.04%
16.5	2005.818	30.773	515.151	0.96%	16.00%
17.0	2005.908	31.697	546.848	0.98%	16.98%
17.5	2005.433	32.612	579.459	1.01%	18.00%
18.0	2004.222	33.513	612.972	1.04%	19.04%
18.5	2003.029	34.404	647.376	1.07%	20.10%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 3 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	2001.600	35.290	682.667	1.10%	21.20%
19.5	1999.280	36.162	718.829	1.12%	22.32%
20.0	1996.940	37.022	755.851	1.15%	23.47%
20.5	1993.984	37.870	793.721	1.18%	24.65%
21.0	1990.805	38.704	832.425	1.20%	25.85%
21.5	1987.536	39.530	871.956	1.23%	27.08%
22.0	1983.549	40.342	912.298	1.25%	28.33%
22.5	1979.453	41.139	953.437	1.28%	29.61%
23.0	1974.569	41.920	995.357	1.30%	30.91%
23.5	1969.395	42.682	1038.039	1.33%	32.24%
24.0	1963.550	43.426	1081.465	1.35%	33.59%
24.5	1957.351	44.150	1125.614	1.37%	34.96%
25.0	1949.966	44.847	1170.461	1.39%	36.35%
25.5	1941.749	45.512	1215.973	1.41%	37.76%
26.0	1932.986	46.150	1262.124	1.43%	39.20%
26.5	1923.108	46.757	1308.881	1.45%	40.65%
27.0	1912.486	47.330	1356.211	1.47%	42.12%
27.5	1900.641	47.866	1404.076	1.49%	43.60%
28.0	1887.211	48.352	1452.428	1.50%	45.11%
28.5	1872.981	48.793	1501.222	1.52%	46.62%
29.0	1856.994	49.185	1550.407	1.53%	48.15%
29.5	1839.590	49.519	1599.926	1.54%	49.69%
30.0	1819.738	49.782	1649.707	1.55%	51.23%
30.5	1798.764	49.976	1699.683	1.55%	52.79%
31.0	1775.688	50.104	1749.788	1.56%	54.34%
31.5	1750.464	50.150	1799.938	1.56%	55.90%
32.0	1723.035	50.110	1850.048	1.56%	57.45%
32.5	1693.478	49.981	1900.029	1.55%	59.01%
33.0	1661.959	49.765	1949.794	1.55%	60.55%
33.5	1628.127	49.456	1999.25	1.54%	62.09%
34.0	1592.422	49.053	2048.303	1.52%	63.61%
34.5	1554.833	48.561	2096.864	1.51%	65.12%
35.0	1514.886	47.970	2144.833	1.49%	66.61%
35.5	1473.380	47.282	2192.116	1.47%	68.08%
36.0	1430.592	46.514	2238.63	1.44%	69.52%
36.5	1386.548	45.669	2284.299	1.42%	70.94%
37.0	1340.979	44.741	2329.039	1.39%	72.33%
37.5	1294.755	43.738	2372.778	1.36%	73.69%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 4 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1248.974	42.695	2415.472	1.33%	75.01%
38.5	1201.437	41.590	2457.063	1.29%	76.31%
39.0	1154.162	40.422	2497.485	1.26%	77.56%
39.5	1106.279	39.209	2536.694	1.22%	78.78%
40.0	1058.748	37.954	2574.648	1.18%	79.96%
40.5	1012.325	36.687	2611.335	1.14%	81.10%
41.0	966.365	35.410	2646.745	1.10%	82.20%
41.5	919.853	34.096	2680.841	1.06%	83.26%
42.0	874.778	32.762	2713.602	1.02%	84.27%
42.5	830.124	31.427	2745.029	0.98%	85.25%
43.0	785.524	30.067	2775.096	0.93%	86.18%
43.5	740.842	28.672	2803.768	0.89%	87.07%
44.0	696.607	27.251	2831.02	0.85%	87.92%
44.5	652.596	25.811	2856.83	0.80%	88.72%
45.0	610.253	24.374	2881.204	0.76%	89.48%
45.5	569.307	22.966	2904.17	0.71%	90.19%
46.0	530.344	21.595	2925.765	0.67%	90.86%
46.5	494.224	20.291	2946.056	0.63%	91.49%
47.0	458.776	19.030	2965.086	0.59%	92.08%
47.5	425.067	17.793	2982.879	0.55%	92.64%
48.0	391.954	16.580	2999.459	0.51%	93.15%
48.5	359.103	15.362	3014.821	0.48%	93.63%
49.0	327.741	14.157	3028.978	0.44%	94.07%
49.5	298.242	13.001	3041.979	0.40%	94.47%
50.0	271.588	11.923	3053.903	0.37%	94.84%
50.5	247.259	10.936	3064.839	0.34%	95.18%
51.0	225.500	10.037	3074.876	0.31%	95.49%
51.5	206.380	9.234	3084.11	0.29%	95.78%
52.0	189.606	8.526	3092.635	0.26%	96.04%
52.5	174.584	7.895	3100.53	0.25%	96.29%
53.0	160.652	7.316	3107.846	0.23%	96.52%
53.5	147.576	6.771	3114.617	0.21%	96.73%
54.0	135.481	6.258	3120.875	0.19%	96.92%
54.5	124.181	5.777	3126.652	0.18%	97.10%
55.0	113.597	5.324	3131.976	0.17%	97.27%
55.5	103.701	4.895	3136.87	0.15%	97.42%
56.0	94.593	4.494	3141.364	0.14%	97.56%
56.5	86.357	4.125	3145.489	0.13%	97.69%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 5 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	78.899	3.789	3149.278	0.12%	97.80%
57.5	72.186	3.484	3152.761	0.11%	97.91%
58.0	66.441	3.214	3155.976	0.10%	98.01%
58.5	61.562	2.984	3158.96	0.09%	98.10%
59.0	57.404	2.788	3161.748	0.09%	98.19%
59.5	53.803	2.620	3164.368	0.08%	98.27%
60.0	50.704	2.475	3166.843	0.08%	98.35%
60.5	48.084	2.351	3169.195	0.07%	98.42%
61.0	45.707	2.243	3171.438	0.07%	98.49%
61.5	43.562	2.146	3173.584	0.07%	98.56%
62.0	41.621	2.057	3175.641	0.06%	98.62%
62.5	39.815	1.976	3177.617	0.06%	98.68%
63.0	38.121	1.900	3179.516	0.06%	98.74%
63.5	36.533	1.828	3181.344	0.06%	98.80%
64.0	35.044	1.760	3183.104	0.05%	98.85%
64.5	33.675	1.697	3184.801	0.05%	98.91%
65.0	32.458	1.640	3186.44	0.05%	98.96%
65.5	31.397	1.590	3188.03	0.05%	99.01%
66.0	30.459	1.546	3189.576	0.05%	99.06%
66.5	29.566	1.506	3191.083	0.05%	99.10%
67.0	28.722	1.468	3192.551	0.05%	99.15%
67.5	27.889	1.431	3193.982	0.04%	99.19%
68.0	27.057	1.394	3195.376	0.04%	99.24%
68.5	26.226	1.357	3196.733	0.04%	99.28%
69.0	25.391	1.319	3198.052	0.04%	99.32%
69.5	24.544	1.280	3199.332	0.04%	99.36%
70.0	23.693	1.241	3200.573	0.04%	99.40%
70.5	22.857	1.201	3201.774	0.04%	99.43%
71.0	21.995	1.161	3202.935	0.04%	99.47%
71.5	21.102	1.119	3204.054	0.03%	99.50%
72.0	20.210	1.076	3205.129	0.03%	99.54%
72.5	19.321	1.032	3206.162	0.03%	99.57%
73.0	18.432	0.988	3207.15	0.03%	99.60%
73.5	17.561	0.945	3208.095	0.03%	99.63%
74.0	16.701	0.902	3208.997	0.03%	99.66%
74.5	15.856	0.859	3209.856	0.03%	99.68%
75.0	15.019	0.817	3210.672	0.03%	99.71%
75.5	14.212	0.775	3211.447	0.02%	99.73%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 6 Total:21

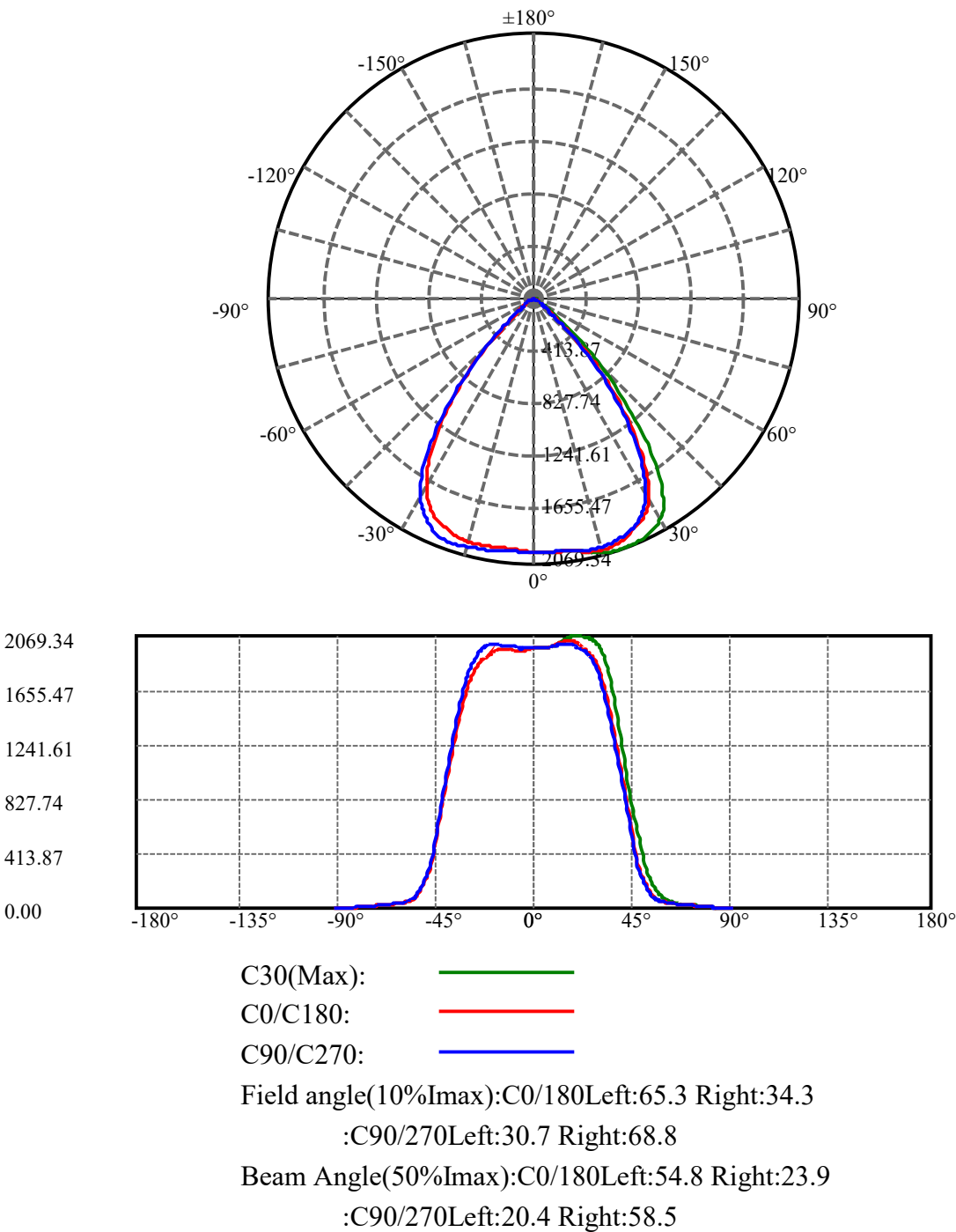
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.422	0.734	3212.182	0.02%	99.76%
76.5	12.649	0.694	3212.876	0.02%	99.78%
77.0	11.893	0.655	3213.531	0.02%	99.80%
77.5	11.151	0.616	3214.147	0.02%	99.82%
78.0	10.442	0.579	3214.726	0.02%	99.84%
78.5	9.756	0.542	3215.268	0.02%	99.85%
79.0	9.092	0.507	3215.775	0.02%	99.87%
79.5	8.442	0.472	3216.247	0.01%	99.88%
80.0	7.808	0.438	3216.685	0.01%	99.90%
80.5	7.196	0.405	3217.091	0.01%	99.91%
81.0	6.606	0.373	3217.464	0.01%	99.92%
81.5	6.031	0.342	3217.806	0.01%	99.93%
82.0	5.472	0.312	3218.119	0.01%	99.94%
82.5	4.935	0.283	3218.401	0.01%	99.95%
83.0	4.416	0.254	3218.656	0.01%	99.96%
83.5	3.922	0.227	3218.883	0.01%	99.97%
84.0	3.457	0.201	3219.084	0.01%	99.97%
84.5	3.021	0.177	3219.26	0.01%	99.98%
85.0	2.623	0.154	3219.414	0.00%	99.98%
85.5	2.249	0.133	3219.548	0.00%	99.99%
86.0	1.881	0.113	3219.66	0.00%	99.99%
86.5	1.558	0.094	3219.755	0.00%	99.99%
87.0	1.252	0.077	3219.831	0.00%	99.99%
87.5	0.962	0.061	3219.892	0.00%	100.00%
88.0	0.695	0.045	3219.937	0.00%	100.00%
88.5	0.452	0.031	3219.969	0.00%	100.00%
89.0	0.230	0.019	3219.988	0.00%	100.00%
89.5	0.090	0.009	3219.996	0.00%	100.00%
90.0	0.042	0.004	3220	0.00%	100.00%

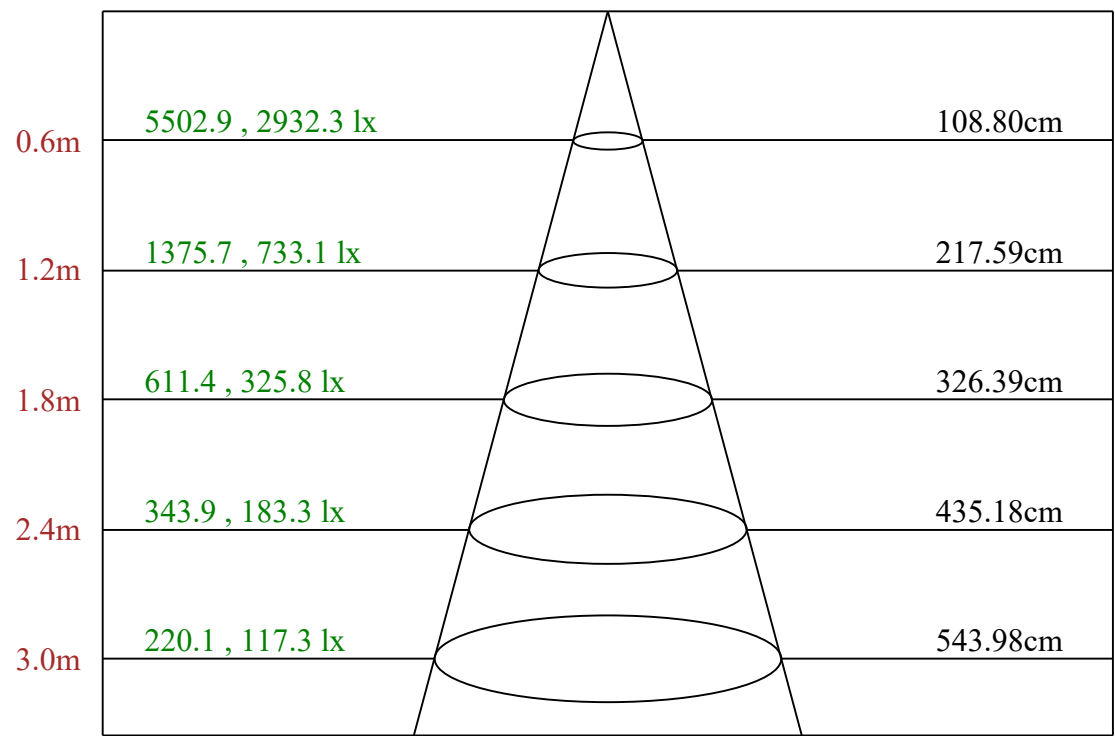
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1649.71	51.23%	51.23%
0-40	2574.65	79.96%	79.96%
0-60	3166.84	98.35%	98.35%
0-90	3220.00	100.00%	100.00%
0-120	3220.00	100.00%	100.00%
0-180	3220.00	100.00%	100.00%
60-90	53.15	1.65%	1.65%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-40.02	2576.00	80.00%	80.00%

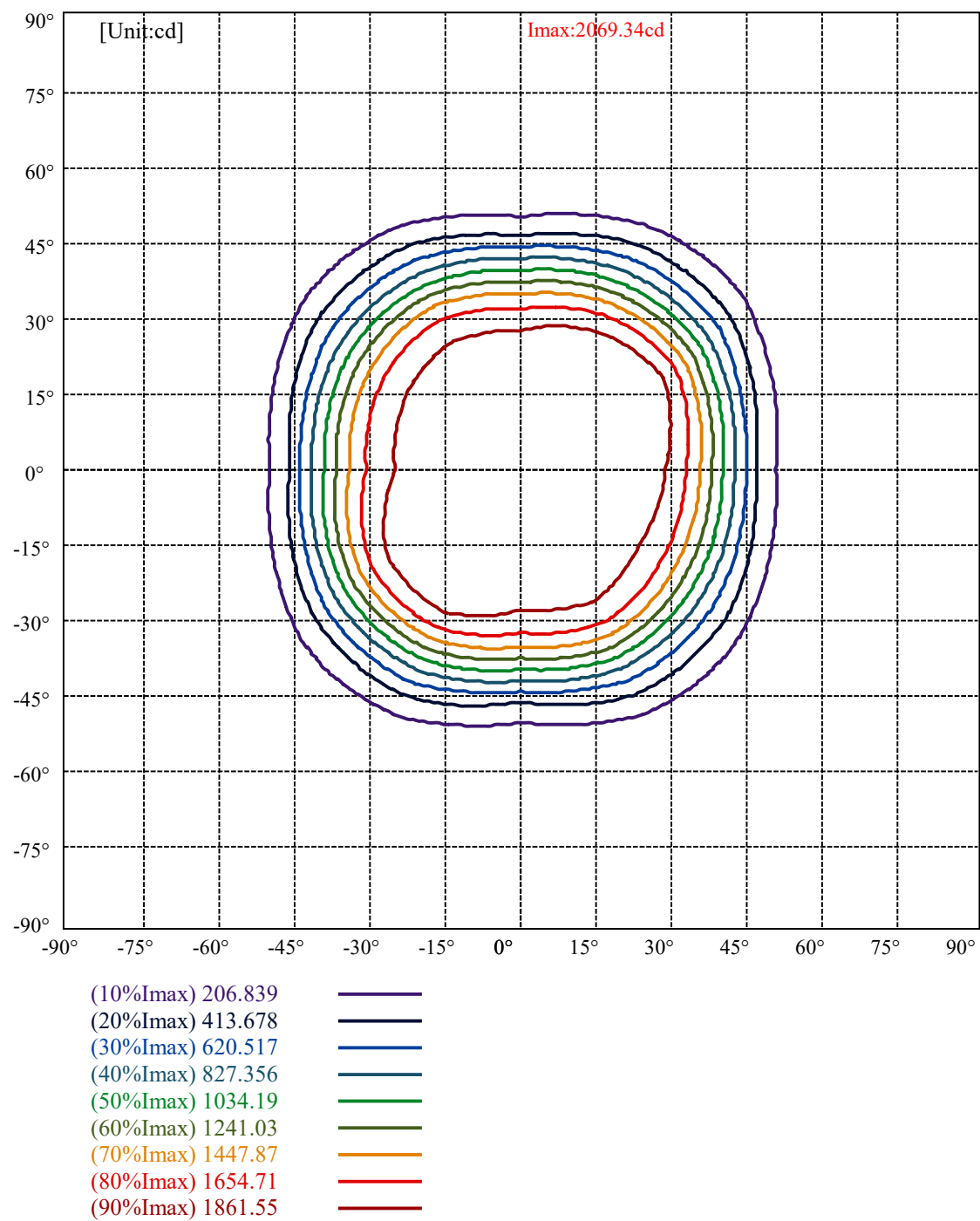
ZONAL LUMEN SUMMARY

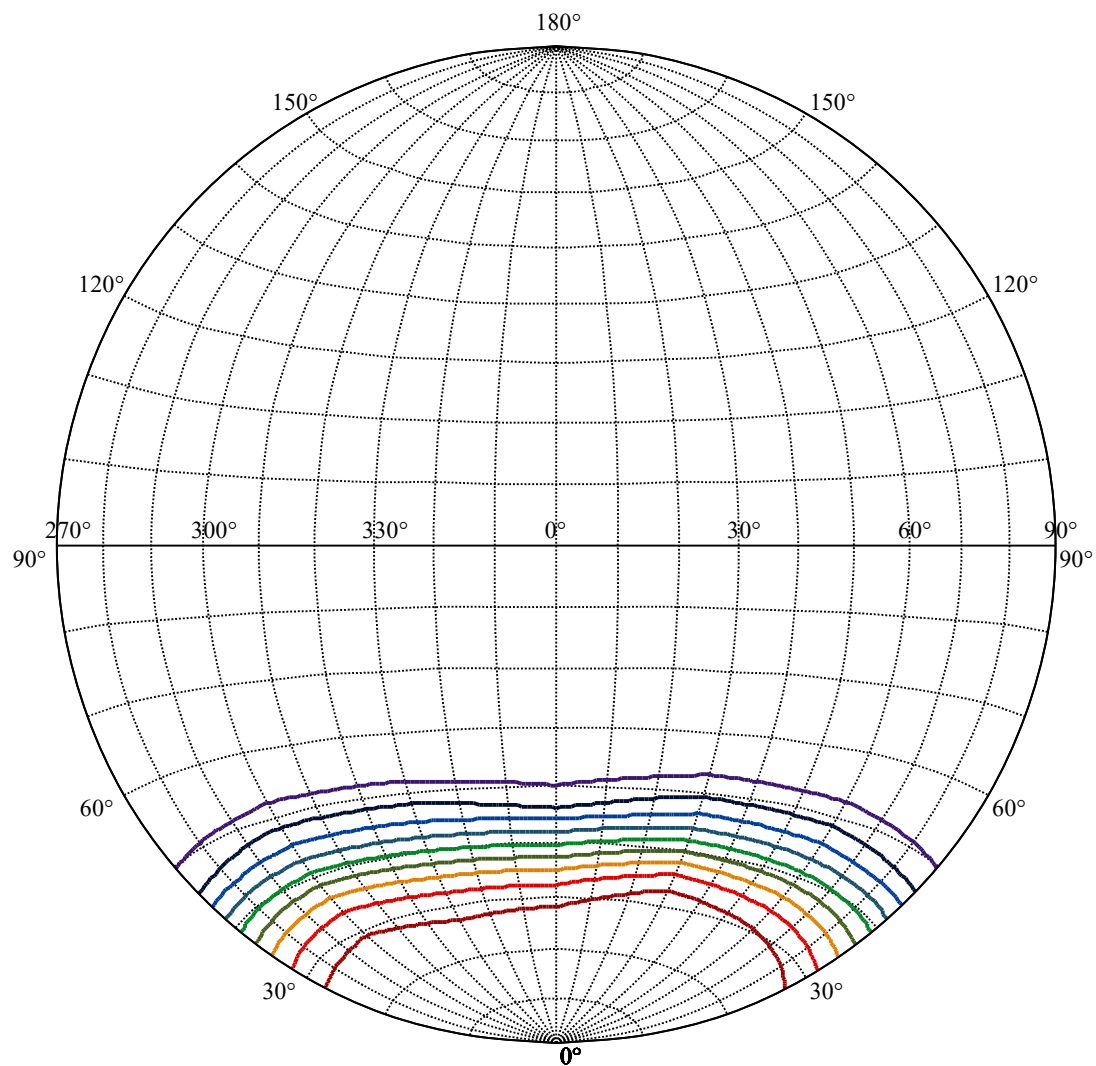
0-10	188.71
10-20	567.14
20-30	893.86
30-40	924.94
40-50	479.25
50-60	112.94
60-70	33.73
70-80	16.11
80-90	3.31
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C30 plane 84.39



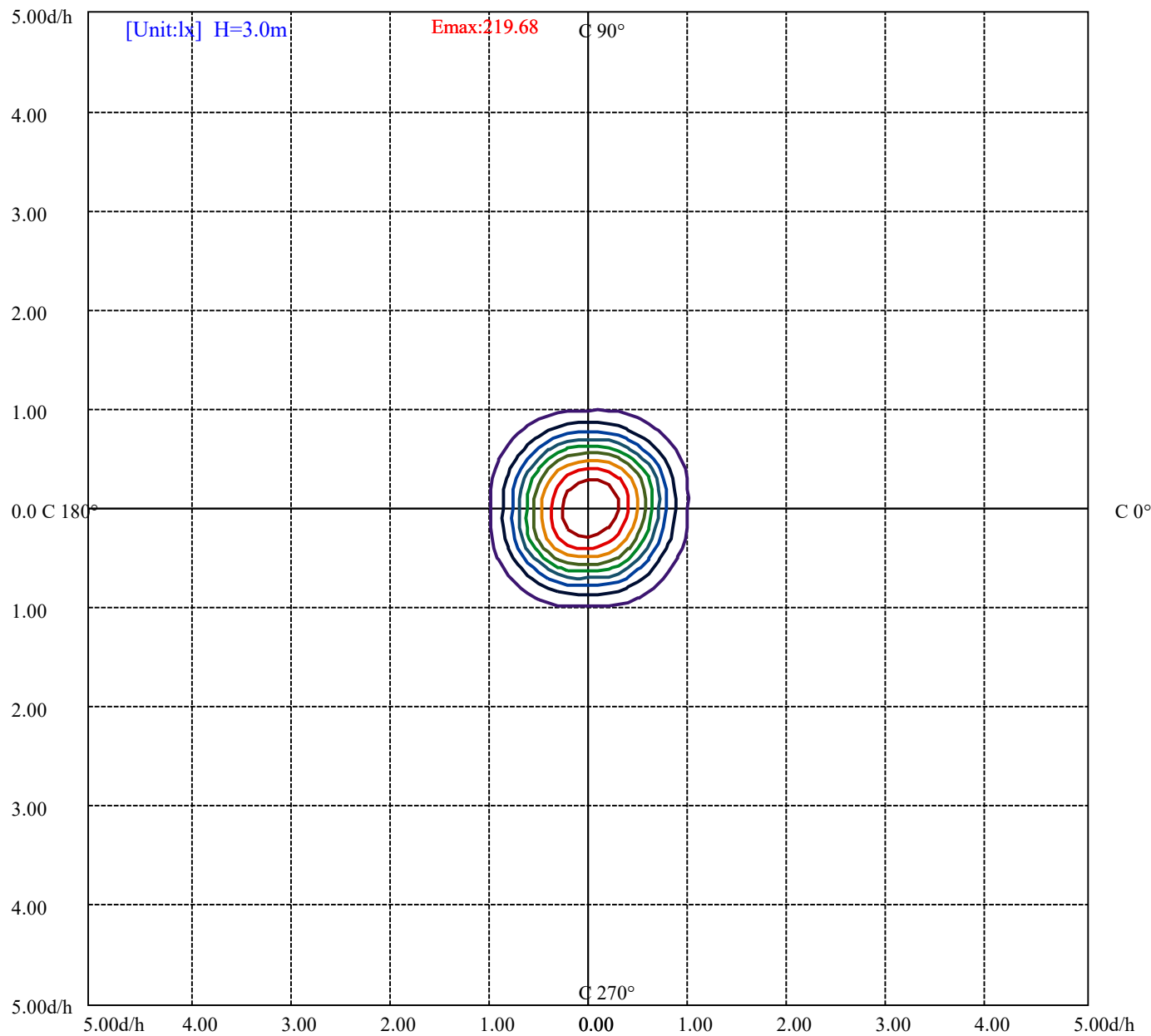


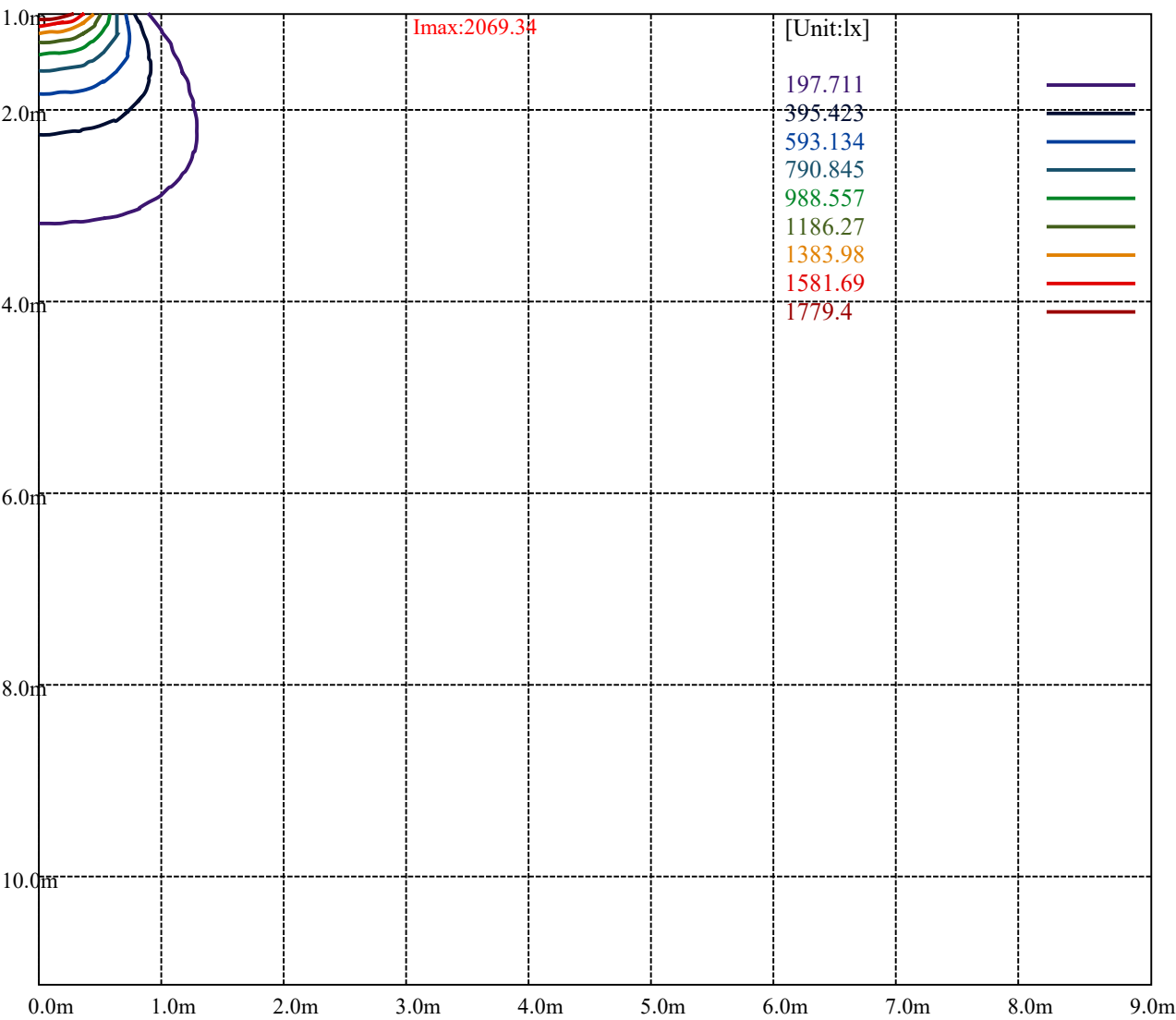
House

[Unit:cd]

Road

Imax:2069.34	
(10%Imax) 206.934	
(20%Imax) 413.868	
(30%Imax) 620.803	
(40%Imax) 827.737	
(50%Imax) 1034.67	
(60%Imax) 1241.61	
(70%Imax) 1448.54	
(80%Imax) 1655.47	
(90%Imax) 1862.41	





Luminance Limiting Curve(no luminous side)

Appendix Page: 14 Total:21

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	2165	935	378	246	213	199	171	138	100
C45	0	0	0	0	0	0	0	0	0
C90	2017	857	353	240	210	194	163	131	97

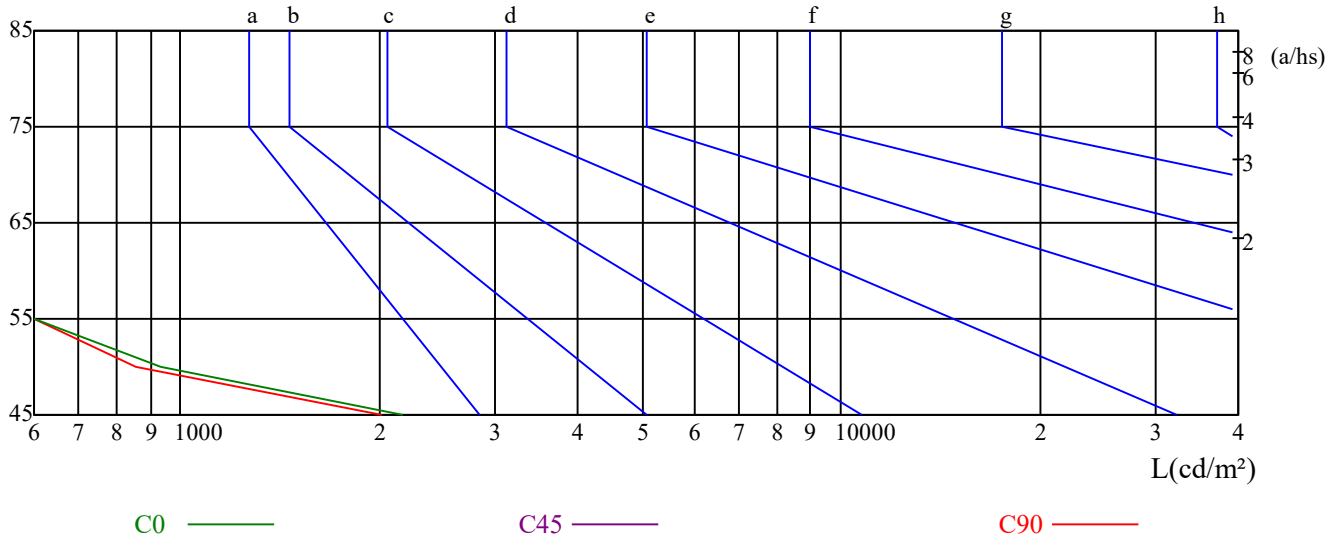
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
205	206	0	159	158	0	82	88	0

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

$\gamma(^{\circ})$



Equipment: GMS1800
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 55%

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	12.73	13.88	13.09	14.19	14.51	12.29	13.44	12.65	13.75	14.06
	3H	12.60	13.62	12.99	13.96	14.30	12.16	13.18	12.55	13.52	13.86
	4H	12.54	13.48	12.93	13.83	14.20	12.10	13.04	12.50	13.39	13.76
	6H	12.48	13.34	12.89	13.71	14.11	12.04	12.90	12.45	13.27	13.67
	8H	12.41	13.23	12.83	13.62	14.02	11.97	12.80	12.39	13.18	13.59
	12H	12.35	13.13	12.77	13.52	13.94	11.91	12.69	12.33	13.08	13.50
4H	2H	12.51	13.45	12.91	13.81	14.17	12.08	13.02	12.48	13.38	13.74
	3H	12.38	13.15	12.80	13.55	13.96	11.95	12.73	12.37	13.12	13.53
	4H	12.35	13.02	12.79	13.44	13.89	11.93	12.60	12.36	13.02	13.47
	6H	12.25	12.84	12.72	13.29	13.74	11.82	12.42	12.30	12.87	13.32
	8H	12.20	12.75	12.69	13.21	13.68	11.78	12.33	12.26	12.79	13.26
	12H	12.16	12.67	12.65	13.12	13.64	11.74	12.25	12.22	12.70	13.21
8H	4H	12.18	12.73	12.67	13.19	13.66	11.76	12.31	12.24	12.77	13.24
	6H	12.07	12.53	12.58	13.01	13.52	11.65	12.11	12.16	12.59	13.10
	8H	12.07	12.47	12.60	12.98	13.48	11.66	12.05	12.18	12.57	13.06
	12H	12.03	12.34	12.57	12.86	13.38	11.61	11.93	12.15	12.44	12.96
12H	4H	12.14	12.65	12.62	13.10	13.61	11.72	12.23	12.20	12.67	13.19
	6H	12.06	12.45	12.59	12.97	13.47	11.64	12.03	12.17	12.55	13.05
	8H	12.02	12.34	12.56	12.86	13.38	11.61	11.92	12.14	12.44	12.96
Variation with the observer position at spacings:											
S = 1.0H		2.8/-7.8					2.8/-7.8				
S = 1.5H		4.6/-9.4					4.5/-9.6				
S = 2.0H		6.6/-9.4					6.5/-9.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		-6.5					-6.1				

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

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1977.11	1975.73	1976.73	1977.65	1978.27	1978.81	1977.73	1976.65	1978.04
30.0	1977.11	1975.81	1977.73	1979.50	1982.04	1983.11	1983.73	1983.65	1983.04
60.0	1977.11	1980.27	1981.11	1981.58	1982.81	1983.65	1984.96	1984.88	1984.42
90.0	1977.11	1979.42	1979.11	1978.88	1978.42	1977.96	1977.88	1977.11	1977.50
120.0	1977.11	1979.65	1978.65	1977.19	1974.50	1972.81	1971.96	1971.73	1969.42
150.0	1977.11	1977.50	1976.11	1973.65	1971.27	1969.58	1968.11	1966.58	1965.58
180.0	1977.11	1971.96	1970.81	1968.04	1966.34	1964.58	1963.27	1961.65	1959.81
210.0	1977.11	1970.73	1969.19	1967.96	1966.58	1964.34	1963.96	1962.58	1961.27
240.0	1977.11	1977.11	1975.96	1975.73	1974.34	1974.34	1973.27	1971.50	1969.73
270.0	1977.11	1979.81	1979.11	1977.50	1975.96	1975.96	1975.27	1974.96	1974.27
300.0	1977.11	1981.27	1981.50	1981.50	1981.11	1980.50	1980.04	1979.81	1980.65
330.0	1977.11	1981.04	1980.57	1980.73	1980.11	1979.96	1980.73	1981.50	1981.81
360.0	1977.11	1975.73	1976.73	1977.65	1978.27	1978.81	1977.73	1976.65	1978.04

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1978.88	1979.04	1980.50	1981.65	1982.50	1983.50	1985.96	1988.65	1991.11
30.0	1982.11	1981.19	1980.19	1979.81	1980.81	1981.81	1983.34	1985.04	1987.81
60.0	1984.04	1982.65	1982.34	1982.34	1982.19	1983.27	1985.34	1990.11	1995.27
90.0	1977.34	1977.50	1977.81	1977.34	1978.04	1979.34	1981.27	1983.50	1986.11
120.0	1966.88	1964.04	1962.73	1961.27	1960.58	1960.11	1959.81	1960.04	1960.27
150.0	1964.27	1962.19	1960.58	1959.73	1959.96	1961.04	1960.58	1961.50	1962.50
180.0	1957.88	1956.50	1956.11	1956.04	1956.42	1955.96	1955.96	1955.65	1955.88
210.0	1960.11	1960.58	1960.58	1959.81	1960.19	1961.58	1962.58	1965.11	1966.73
240.0	1968.73	1969.58	1971.19	1972.65	1974.19	1976.42	1979.11	1981.27	1985.11
270.0	1973.73	1973.11	1972.88	1972.11	1974.42	1977.27	1980.42	1983.19	1985.96
300.0	1979.65	1979.19	1978.96	1979.27	1981.27	1983.42	1985.96	1986.73	1988.04
330.0	1982.96	1983.96	1986.81	1989.27	1990.34	1989.96	1989.65	1988.42	1987.73
360.0	1978.88	1979.04	1980.50	1981.65	1982.50	1983.50	1985.96	1988.65	1991.11

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1993.88	1996.57	2000.57	2003.96	2008.96	2012.96	2015.11	2018.73	2021.65
30.0	1990.88	1994.57	1998.42	2002.27	2006.81	2012.19	2017.42	2022.65	2028.04
60.0	2000.81	2007.11	2013.88	2020.50	2027.11	2033.50	2038.73	2043.80	2046.65
90.0	1989.88	1992.57	1994.73	1996.81	1999.04	2001.57	2004.81	2006.65	2006.58
120.0	1961.65	1963.34	1964.96	1966.50	1969.34	1972.58	1976.11	1981.04	1985.11
150.0	1963.34	1964.11	1965.58	1966.19	1966.42	1966.11	1967.34	1966.58	1965.88
180.0	1957.96	1959.27	1960.19	1960.50	1960.81	1961.04	1962.81	1964.27	1965.04
210.0	1967.42	1968.88	1970.50	1973.27	1975.19	1977.73	1981.50	1984.73	1988.96
240.0	1988.11	1991.65	1994.34	1997.34	1999.65	2000.96	2001.50	2001.50	2002.50
270.0	1988.27	1989.81	1990.04	1991.19	1993.11	1993.19	1992.96	1992.73	1993.57
300.0	1989.58	1990.04	1989.96	1990.19	1989.88	1989.65	1989.73	1989.65	1989.96
330.0	1986.27	1985.19	1983.81	1984.58	1987.65	1988.96	1989.81	1990.96	1992.96
360.0	1993.88	1996.57	2000.57	2003.96	2008.96	2012.96	2015.11	2018.73	2021.65

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	2024.19	2026.27	2027.50	2028.50	2029.04	2030.19	2030.04	2028.80	2027.80
30.0	2033.04	2038.50	2042.42	2046.42	2050.57	2055.57	2059.80	2063.73	2065.73
60.0	2049.50	2052.19	2053.80	2053.88	2054.80	2055.73	2055.73	2056.34	2056.11
90.0	2006.42	2005.58	2006.58	2006.27	2005.73	2004.73	2003.65	2001.65	1999.65
120.0	1987.96	1990.27	1992.19	1993.34	1993.50	1993.11	1992.96	1992.34	1989.88
150.0	1963.81	1962.58	1961.11	1959.96	1957.96	1955.11	1952.81	1949.88	1947.65
180.0	1965.42	1966.19	1965.27	1964.11	1962.42	1960.27	1957.42	1954.88	1951.11
210.0	1992.88	1996.96	2000.04	2001.42	2004.81	2007.34	2008.42	2009.50	2009.81
240.0	2004.34	2005.58	2007.57	2009.73	2012.42	2015.50	2019.27	2022.73	2025.73
270.0	1994.34	1995.65	1997.50	1999.34	2001.57	2004.34	2006.34	2008.88	2010.27
300.0	1991.81	1993.65	1994.27	1993.88	1992.81	1991.73	1991.50	1990.34	1988.11
330.0	1994.19	1994.57	1994.57	1994.81	1994.19	1992.50	1991.88	1991.81	1993.34
360.0	2024.19	2026.27	2027.50	2028.50	2029.04	2030.19	2030.04	2028.80	2027.80

Intensity data(cd)

Appendix Page: 17 Total:21

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	2024.96	2022.11	2019.57	2015.50	2011.57	2007.04	1999.73	1992.27	1985.58
30.0	2067.19	2068.27	2069.34	2069.27	2068.80	2067.03	2066.27	2065.96	2064.65
60.0	2055.50	2053.96	2052.34	2049.73	2048.88	2047.73	2047.19	2044.73	2043.27
90.0	1995.34	1991.96	1988.88	1985.65	1982.04	1977.81	1973.50	1969.88	1965.34
120.0	1987.04	1983.96	1980.42	1976.04	1971.96	1966.19	1961.27	1956.42	1950.88
150.0	1944.88	1942.96	1941.11	1938.81	1936.19	1933.04	1929.58	1925.73	1922.35
180.0	1945.73	1941.04	1934.73	1928.35	1922.88	1917.50	1912.96	1907.73	1901.88
210.0	2008.73	2007.73	2006.11	2003.81	2001.50	1998.50	1995.73	1994.73	1993.65
240.0	2028.34	2031.73	2034.04	2034.50	2035.96	2038.04	2039.42	2041.11	2041.50
270.0	2011.11	2011.11	2011.27	2009.34	2006.50	2003.27	1999.19	1996.19	1990.73
300.0	1987.96	1987.34	1987.19	1986.73	1984.88	1981.65	1978.88	1975.27	1969.81
330.0	1993.88	1994.19	1994.19	1993.65	1992.11	1990.04	1985.96	1980.42	1972.96
360.0	2024.96	2022.11	2019.57	2015.50	2011.57	2007.04	1999.73	1992.27	1985.58
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1976.57	1967.73	1960.50	1954.19	1946.19	1937.19	1929.19	1920.65	1910.65
30.0	2063.42	2062.80	2060.88	2057.65	2055.11	2051.11	2046.04	2042.57	2037.80
60.0	2041.34	2037.96	2033.50	2030.19	2025.80	2020.57	2015.27	2007.88	2000.19
90.0	1960.96	1954.42	1947.96	1940.35	1930.81	1920.58	1909.96	1897.42	1884.50
120.0	1944.58	1938.42	1933.19	1928.19	1923.42	1918.04	1911.81	1905.11	1896.19
150.0	1919.42	1914.96	1911.04	1905.88	1899.73	1891.88	1882.96	1873.42	1864.35
180.0	1897.19	1891.35	1883.50	1876.04	1866.81	1855.27	1842.27	1828.12	1813.58
210.0	1991.96	1991.58	1990.88	1988.65	1987.58	1985.27	1981.19	1976.81	1970.27
240.0	2042.19	2040.96	2038.50	2036.42	2032.50	2026.73	2020.19	2013.19	2005.42
270.0	1984.65	1976.96	1967.81	1957.04	1947.96	1936.27	1922.81	1908.50	1894.12
300.0	1964.73	1960.35	1955.65	1949.19	1944.11	1937.04	1931.81	1927.11	1918.50
330.0	1966.42	1957.35	1949.34	1938.81	1928.19	1919.65	1907.50	1895.04	1881.73
360.0	1976.57	1967.73	1960.50	1954.19	1946.19	1937.19	1929.19	1920.65	1910.65
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1900.04	1888.04	1874.73	1857.89	1838.04	1817.73	1793.73	1770.12	1742.43
30.0	2032.42	2025.88	2019.19	2010.19	2001.04	1991.11	1978.11	1963.65	1949.11
60.0	1989.88	1977.19	1961.88	1947.73	1930.73	1912.96	1892.50	1869.42	1845.58
90.0	1870.27	1855.50	1837.65	1819.27	1797.27	1773.81	1748.58	1721.97	1692.20
120.0	1888.12	1879.42	1868.81	1857.50	1843.73	1829.66	1810.66	1791.35	1769.96
150.0	1852.81	1838.42	1823.27	1807.66	1791.12	1771.50	1749.81	1727.97	1702.66
180.0	1797.04	1779.27	1760.89	1741.35	1720.66	1696.81	1672.89	1647.58	1621.20
210.0	1963.19	1954.81	1943.65	1933.34	1921.19	1907.88	1893.04	1873.65	1855.04
240.0	1996.42	1987.19	1975.96	1963.73	1950.58	1936.50	1919.42	1901.96	1882.19
270.0	1879.73	1862.27	1845.19	1826.19	1808.50	1788.66	1765.96	1743.19	1717.04
300.0	1911.04	1902.81	1893.04	1882.65	1869.50	1855.27	1838.19	1822.12	1802.12
330.0	1868.89	1856.89	1842.27	1828.27	1811.58	1793.19	1773.96	1752.20	1728.73
360.0	1900.04	1888.04	1874.73	1857.89	1838.04	1817.73	1793.73	1770.12	1742.43
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1713.66	1684.97	1649.81	1615.97	1580.51	1542.74	1502.58	1461.12	1417.59
30.0	1931.65	1910.35	1885.04	1856.50	1826.66	1794.19	1758.50	1720.50	1680.04
60.0	1819.50	1791.89	1761.27	1730.50	1695.66	1662.04	1625.97	1585.20	1542.81
90.0	1661.74	1627.66	1593.04	1557.43	1519.82	1482.43	1441.36	1400.97	1358.13
120.0	1746.50	1721.66	1692.50	1662.58	1630.74	1596.66	1560.74	1521.97	1480.89
150.0	1675.27	1647.58	1619.04	1588.81	1555.89	1520.82	1484.43	1446.12	1407.59
180.0	1591.89	1561.05	1529.89	1495.20	1458.74	1420.59	1383.05	1341.90	1299.59
210.0	1833.96	1808.81	1782.89	1754.43	1722.73	1688.04	1650.27	1613.81	1573.35
240.0	1858.42	1833.35	1805.73	1774.50	1740.20	1703.73	1667.27	1624.58	1582.43
270.0	1686.50	1653.35	1620.66	1585.35	1549.58	1509.66	1467.59	1424.36	1380.82
300.0	1780.73	1757.73	1730.89	1703.12	1671.43	1638.51	1603.43	1565.35	1524.20
330.0	1705.73	1678.04	1650.97	1619.12	1585.58	1549.66	1512.82	1472.74	1433.13
360.0	1713.66	1684.97	1649.81	1615.97	1580.51	1542.74	1502.58	1461.12	1417.59

Intensity data(cd)

Appendix Page: 18 Total:21

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1373.05	1326.74	1281.28	1236.74	1189.28	1143.44	1096.29	1049.52	1001.90
30.0	1636.51	1591.35	1541.89	1492.97	1445.74	1390.28	1338.97	1285.74	1233.28
60.0	1500.58	1458.36	1412.28	1365.97	1319.13	1269.36	1219.90	1171.67	1124.52
90.0	1313.67	1271.67	1224.74	1180.44	1136.52	1090.75	1048.90	1002.75	957.75
120.0	1439.20	1393.97	1349.28	1301.13	1254.36	1207.05	1158.75	1108.59	1058.59
150.0	1367.74	1326.51	1284.28	1240.13	1198.90	1155.82	1111.98	1068.06	1025.90
180.0	1257.51	1217.44	1172.52	1127.67	1085.06	1039.59	996.98	954.14	909.91
210.0	1530.58	1483.51	1436.36	1388.97	1341.43	1293.28	1242.28	1190.51	1138.67
240.0	1538.82	1493.35	1446.59	1397.05	1350.51	1300.28	1250.13	1202.05	1153.59
270.0	1333.67	1284.97	1238.05	1192.59	1143.05	1096.82	1048.90	1000.21	952.90
300.0	1484.43	1440.66	1396.82	1349.97	1305.59	1256.74	1207.90	1159.82	1110.29
330.0	1391.36	1350.05	1307.67	1263.44	1218.13	1173.82	1128.98	1082.29	1037.67
360.0	1373.05	1326.74	1281.28	1236.74	1189.28	1143.44	1096.29	1049.52	1001.90

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	957.60	913.14	868.60	825.75	783.68	741.36	699.16	653.04	599.22
30.0	1181.21	1129.44	1076.75	1024.21	974.75	926.06	878.67	830.91	786.98
60.0	1075.44	1027.06	979.60	931.98	885.91	839.75	797.68	755.31	715.39
90.0	913.60	871.91	830.29	789.22	745.00	700.95	652.43	601.84	549.47
120.0	1013.44	966.52	919.90	875.67	831.68	790.06	749.96	709.48	672.16
150.0	983.06	940.21	896.67	855.67	813.91	774.45	735.95	699.56	662.72
180.0	867.14	826.21	784.14	743.15	699.10	651.41	597.67	549.49	501.31
210.0	1088.75	1039.52	986.83	938.37	892.60	846.68	802.37	758.77	717.15
240.0	1103.52	1055.44	1005.52	956.44	911.75	866.98	822.91	780.45	739.18
270.0	908.37	864.75	819.52	775.14	729.02	681.39	628.96	576.22	521.97
300.0	1061.36	1011.67	963.67	916.75	869.98	824.52	781.14	739.73	699.12
330.0	994.44	950.52	906.75	864.98	824.14	782.68	743.21	704.50	666.49
360.0	957.60	913.14	868.60	825.75	783.68	741.36	699.16	653.04	599.22

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	541.97	486.24	434.67	390.34	352.51	321.95	294.13	270.50	250.03
30.0	745.09	703.23	664.83	628.36	592.99	556.59	521.01	482.07	443.12
60.0	676.09	640.33	603.57	568.47	532.00	495.74	459.19	420.56	382.97
90.0	504.83	460.18	415.52	370.87	327.28	298.57	273.97	251.66	231.49
120.0	636.99	601.80	566.50	534.63	499.74	464.03	427.71	390.55	355.21
150.0	628.41	595.93	563.73	531.47	495.02	458.57	422.12	385.66	349.40
180.0	453.14	404.96	357.09	326.86	300.13	276.31	254.43	233.86	215.60
210.0	677.13	638.38	601.54	563.02	523.78	483.28	439.29	398.16	360.88
240.0	698.25	658.58	620.06	581.76	544.50	505.50	466.50	427.50	388.50
270.0	469.74	422.35	382.98	348.67	318.36	291.56	268.73	247.38	227.56
300.0	659.41	622.31	588.07	552.52	516.89	480.33	443.78	407.22	370.66
330.0	632.01	597.40	565.57	533.74	502.12	468.38	432.58	394.12	357.48
360.0	541.97	486.24	434.67	390.34	352.51	321.95	294.13	270.50	250.03

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	230.29	212.71	195.27	177.83	160.39	142.94	128.03	114.76	102.74
30.0	404.18	365.23	326.59	296.16	270.30	248.70	229.58	213.10	198.10
60.0	348.97	316.24	287.73	262.09	240.66	221.70	206.39	191.20	176.02
90.0	212.83	195.13	177.07	160.40	144.52	130.39	116.74	104.49	94.14
120.0	322.23	293.24	267.03	244.70	225.47	210.87	196.32	181.77	167.21
150.0	317.21	288.68	263.83	242.18	223.23	206.76	192.19	178.30	165.55
180.0	197.41	179.57	162.44	146.24	130.98	116.71	104.39	93.63	84.37
210.0	328.68	300.61	276.49	254.93	236.26	219.23	204.32	189.52	174.71
240.0	350.01	320.09	293.26	267.72	246.27	227.50	210.80	195.17	180.10
270.0	209.42	191.34	173.26	155.17	139.39	124.11	110.57	98.84	89.18
300.0	334.26	303.93	277.38	254.27	234.17	216.55	200.70	186.90	173.47
330.0	323.42	292.29	266.77	244.32	224.92	209.81	194.98	180.15	165.33
360.0	230.29	212.71	195.27	177.83	160.39	142.94	128.03	114.76	102.74

Intensity data(cd)

Appendix Page: 19 Total:21

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	92.46	83.90	76.69	70.73	65.56	61.43	57.94	54.91	52.30
30.0	184.09	169.80	156.46	143.17	130.39	118.36	107.04	96.52	87.43
60.0	160.84	147.92	135.37	123.18	111.84	101.51	91.91	83.12	75.60
90.0	85.32	78.02	71.72	66.52	62.21	58.68	55.66	52.90	50.38
120.0	154.53	141.91	129.76	118.00	106.73	96.68	87.61	79.79	73.03
150.0	153.17	140.77	128.81	116.87	106.12	96.14	87.54	78.94	71.86
180.0	76.40	69.86	64.56	60.08	56.19	52.95	50.18	47.77	45.61
210.0	159.91	145.61	131.79	119.01	107.37	96.94	87.68	79.73	72.80
240.0	165.21	151.03	137.28	124.43	112.26	101.12	91.04	82.24	74.50
270.0	80.55	72.90	66.85	62.08	58.11	54.72	51.80	49.26	47.05
300.0	160.17	147.65	134.72	122.64	111.10	100.71	90.91	81.93	74.44
330.0	153.14	140.82	129.17	117.74	107.23	97.06	87.47	79.13	72.30
360.0	92.46	83.90	76.69	70.73	65.56	61.43	57.94	54.91	52.30
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	49.83	47.57	45.46	43.56	41.84	40.19	38.81	37.58	36.45
30.0	79.54	72.94	67.54	62.69	58.74	55.27	52.07	49.27	46.71
60.0	69.49	64.32	59.71	56.06	53.04	50.23	47.76	45.52	43.42
90.0	48.18	46.15	44.27	42.47	40.92	39.45	38.14	36.99	35.91
120.0	67.29	62.48	58.50	55.01	51.95	49.18	46.75	44.45	42.24
150.0	65.95	61.34	57.19	53.68	50.71	48.06	45.59	43.41	41.35
180.0	43.60	41.78	40.19	38.74	37.52	36.36	35.30	34.43	33.57
210.0	67.25	62.33	57.91	54.19	51.01	48.07	45.27	42.69	40.32
240.0	68.11	62.88	58.33	54.35	51.04	48.12	45.49	43.06	40.78
270.0	45.03	43.18	41.50	39.97	38.60	37.36	36.27	35.29	34.37
300.0	68.17	62.84	58.31	54.51	51.41	48.57	46.00	43.68	41.57
330.0	66.30	61.04	56.72	53.22	50.23	47.63	45.30	43.09	41.10
360.0	49.83	47.57	45.46	43.56	41.84	40.19	38.81	37.58	36.45
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	35.44	34.54	33.66	32.77	31.92	31.08	30.30	29.49	28.72
30.0	44.29	42.00	39.88	37.82	35.90	34.27	32.94	31.78	30.85
60.0	41.40	39.56	37.79	36.09	34.66	33.32	32.22	31.21	30.25
90.0	34.91	34.00	33.13	32.25	31.37	30.55	29.74	28.95	28.17
120.0	40.23	38.32	36.52	34.88	33.45	32.24	31.16	30.20	29.28
150.0	39.32	37.45	35.77	34.21	32.90	31.79	30.86	29.99	29.12
180.0	32.75	31.93	31.09	30.32	29.54	28.79	28.03	27.28	26.60
210.0	38.14	36.08	34.25	32.78	31.54	30.59	29.68	28.80	27.93
240.0	38.74	36.82	35.07	33.60	32.34	31.27	30.39	29.50	28.60
270.0	33.50	32.65	31.79	30.98	30.20	29.42	28.66	27.92	27.22
300.0	39.49	37.64	35.86	34.28	32.96	31.81	30.85	29.94	29.03
330.0	39.23	37.42	35.71	34.12	32.74	31.63	30.67	29.75	28.90
360.0	35.44	34.54	33.66	32.77	31.92	31.08	30.30	29.49	28.72
C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	27.99	27.27	26.57	25.85	25.02	24.13	23.26	22.38	21.48
30.0	29.94	29.03	28.13	27.25	26.37	25.52	24.66	23.80	22.96
60.0	29.32	28.40	27.51	26.64	25.78	24.93	24.11	23.30	22.41
90.0	27.42	26.67	25.94	25.17	24.33	23.47	22.58	21.71	20.79
120.0	28.36	27.45	26.56	25.68	24.85	24.00	23.20	22.33	21.43
150.0	28.23	27.32	26.47	25.63	24.79	23.95	23.15	22.30	21.36
180.0	25.90	25.15	24.32	23.45	22.57	21.68	20.79	19.92	19.06
210.0	27.09	26.25	25.39	24.57	23.73	22.92	22.08	21.16	20.24
240.0	27.71	26.86	26.01	25.15	24.30	23.48	22.66	21.77	20.84
270.0	26.51	25.76	24.95	24.09	23.23	22.33	21.45	20.56	19.70
300.0	28.16	27.31	26.48	25.65	24.82	23.98	23.19	22.35	21.48
330.0	28.05	27.23	26.40	25.57	24.75	23.92	23.17	22.36	21.49
360.0	27.99	27.27	26.57	25.85	25.02	24.13	23.26	22.38	21.48

Intensity data(cd)										Appendix Page: 20 Total:21	
C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0		
0.0	20.61	19.77	18.91	18.08	17.26	16.47	15.68	14.87	14.09		
30.0	22.09	21.16	20.24	19.31	18.40	17.47	16.56	15.75	14.91		
60.0	21.48	20.55	19.62	18.73	17.84	16.97	16.14	15.28	14.44		
90.0	19.93	19.08	18.23	17.41	16.59	15.78	14.97	14.20	13.45		
120.0	20.51	19.60	18.70	17.82	16.97	16.12	15.26	14.43	13.62		
150.0	20.42	19.54	18.63	17.73	16.84	15.96	15.11	14.28	13.48		
180.0	18.22	17.37	16.53	15.74	14.96	14.15	13.38	12.64	11.92		
210.0	19.35	18.43	17.56	16.67	15.79	14.94	14.10	13.32	12.54		
240.0	19.90	18.97	18.05	17.13	16.28	15.39	14.53	13.69	12.88		
270.0	18.85	18.00	17.16	16.36	15.55	14.75	13.97	13.20	12.47		
300.0	20.56	19.66	18.74	17.83	16.94	16.09	15.22	14.38	13.56		
330.0	20.61	19.71	18.82	17.92	17.02	16.17	15.33	14.51	13.72		
360.0	20.61	19.77	18.91	18.08	17.26	16.47	15.68	14.87	14.09		
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5		
0.0	13.33	12.60	11.89	11.18	10.44	9.75	9.12	8.48	7.83		
30.0	14.06	13.24	12.43	11.67	10.94	10.24	9.57	8.91	8.26		
60.0	13.63	12.86	12.08	11.35	10.62	9.88	9.20	8.53	7.88		
90.0	12.70	11.97	11.24	10.57	9.92	9.31	8.67	8.05	7.46		
120.0	12.86	12.09	11.34	10.64	9.91	9.19	8.53	7.90	7.30		
150.0	12.70	11.90	11.15	10.42	9.75	9.12	8.46	7.82	7.20		
180.0	11.19	10.51	9.86	9.22	8.60	7.98	7.38	6.80	6.24		
210.0	11.79	11.04	10.30	9.59	8.94	8.28	7.62	6.98	6.40		
240.0	12.09	11.31	10.56	9.87	9.22	8.58	7.91	7.29	6.68		
270.0	11.74	11.04	10.34	9.66	8.99	8.35	7.75	7.14	6.56		
300.0	12.76	11.97	11.21	10.46	9.78	9.15	8.48	7.84	7.21		
330.0	12.96	12.19	11.41	10.67	9.97	9.29	8.62	7.96	7.34		
360.0	13.33	12.60	11.89	11.18	10.44	9.75	9.12	8.48	7.83		
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0		
0.0	7.17	6.55	5.93	5.38	4.84	4.34	3.89	3.46	3.07		
30.0	7.63	7.00	6.36	5.74	5.14	4.56	4.01	3.49	3.03		
60.0	7.29	6.72	6.15	5.60	5.08	4.60	4.13	3.65	3.23		
90.0	6.87	6.31	5.77	5.27	4.77	4.30	3.85	3.40	2.99		
120.0	6.71	6.15	5.61	5.10	4.61	4.13	3.67	3.25	2.85		
150.0	6.60	6.03	5.51	4.95	4.41	3.88	3.36	2.87	2.40		
180.0	5.68	5.10	4.55	4.02	3.53	3.07	2.66	2.30	1.99		
210.0	5.84	5.31	4.78	4.24	3.71	3.22	2.74	2.31	1.97		
240.0	6.10	5.55	5.02	4.52	4.03	3.57	3.14	2.73	2.33		
270.0	6.03	5.52	5.00	4.52	4.07	3.63	3.21	2.82	2.44		
300.0	6.62	6.04	5.50	4.97	4.47	3.98	3.54	3.10	2.69		
330.0	6.74	6.10	5.48	4.91	4.34	3.81	3.30	2.87	2.51		
360.0	7.17	6.55	5.93	5.38	4.84	4.34	3.89	3.46	3.07		
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5		
0.0	2.72	2.36	2.05	1.75	1.45	1.17	0.91	0.49	0.27		
30.0	2.59	2.18	1.85	1.53	1.24	0.99	0.75	0.47	0.24		
60.0	2.82	2.37	2.00	1.65	1.27	0.94	0.63	0.42	0.21		
90.0	2.59	2.22	1.89	1.57	1.25	0.94	0.66	0.38	0.16		
120.0	2.46	2.08	1.72	1.34	0.99	0.69	0.46	0.27	0.10		
150.0	2.02	1.66	1.36	1.08	0.83	0.61	0.40	0.14	0.03		
180.0	1.67	1.37	1.10	0.83	0.61	0.33	0.03	0.00	0.00		
210.0	1.64	1.34	1.07	0.83	0.62	0.42	0.18	0.04	0.00		
240.0	1.98	1.57	1.21	0.88	0.57	0.33	0.17	0.00	0.00		
270.0	2.12	1.78	1.46	1.17	0.91	0.64	0.41	0.17	0.00		
300.0	2.24	1.85	1.50	1.18	0.86	0.55	0.32	0.14	0.00		
330.0	2.15	1.78	1.48	1.21	0.95	0.74	0.51	0.25	0.08		
360.0	2.72	2.36	2.05	1.75	1.45	1.17	0.91	0.49	0.27		

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	0.16
30.0	0.15
60.0	0.08
90.0	0.04
120.0	0.04
150.0	0.03
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.16