

Report No	:		Voltage	:	V
Test No	:	A2401352A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	28.000 W
Luminaire	:	0028920198 28W 3500K 3920lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3920.0 lm	Width	:	595 mm
Number of Lamps	:	1	Length	:	595 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3920.00	Central intensity(cd)	:	2376.319
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2438.820
Luminous Efficacy(lm/W)	:	140.00	Angle of maximum intensity	:	C=60.0 γ =18.0
Beam Angle(50%Imax)	:	[C0/180]Total=79.0 [C90/270]Total=79.4			
Field angle(10%Imax)	:	[C0/180]Total=99.6 [C90/270]Total=100.0			
Maximum s/h(1/2)	:	C0_180=1.26 C90_270=1.27			
Maximum s/h(1/4)	:	C0_180=1.15 C90_270=1.15			
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 :	:	98.331%			

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	2376.319	0.000	0	0.00%	0.00%
0.5	2376.165	0.569	0.569	0.01%	0.01%
1.0	2376.784	1.706	2.274	0.04%	0.06%
1.5	2378.425	2.844	5.118	0.07%	0.13%
2.0	2380.406	3.984	9.102	0.10%	0.23%
2.5	2382.263	5.126	14.228	0.13%	0.36%
3.0	2384.074	6.269	20.498	0.16%	0.52%
3.5	2385.792	7.414	27.911	0.19%	0.71%
4.0	2388.222	8.560	36.472	0.22%	0.93%
4.5	2390.358	9.709	46.18	0.25%	1.18%
5.0	2392.494	10.858	57.038	0.28%	1.46%
5.5	2395.187	12.010	69.049	0.31%	1.76%
6.0	2397.462	13.164	82.213	0.34%	2.10%
6.5	2400.310	14.320	96.532	0.37%	2.46%
7.0	2402.446	15.476	112.008	0.39%	2.86%
7.5	2404.582	16.631	128.64	0.42%	3.28%
8.0	2406.919	17.788	146.428	0.45%	3.74%
8.5	2408.684	18.944	165.372	0.48%	4.22%
9.0	2410.387	20.098	185.47	0.51%	4.73%
9.5	2411.703	21.250	206.72	0.54%	5.27%
10.0	2413.622	22.403	229.123	0.57%	5.84%
10.5	2414.984	23.556	252.679	0.60%	6.45%
11.0	2416.702	24.708	277.387	0.63%	7.08%
11.5	2418.884	25.863	303.25	0.66%	7.74%
12.0	2420.711	27.019	330.269	0.69%	8.43%
12.5	2422.026	28.170	358.439	0.72%	9.14%
13.0	2423.744	29.319	387.759	0.75%	9.89%
13.5	2425.447	30.471	418.229	0.78%	10.67%
14.0	2426.902	31.619	449.848	0.81%	11.48%
14.5	2428.248	32.765	482.613	0.84%	12.31%
15.0	2429.022	33.904	516.517	0.86%	13.18%
15.5	2430.028	35.039	551.556	0.89%	14.07%
16.0	2430.740	36.172	587.728	0.92%	14.99%
16.5	2431.483	37.301	625.03	0.95%	15.94%
17.0	2431.855	38.425	663.455	0.98%	16.92%
17.5	2432.691	39.548	703.003	1.01%	17.93%
18.0	2432.753	40.665	743.668	1.04%	18.97%
18.5	2432.567	41.771	785.44	1.07%	20.04%

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	2432.071	42.869	828.309	1.09%	21.13%
19.5	2430.957	43.955	872.264	1.12%	22.25%
20.0	2429.007	45.023	917.287	1.15%	23.40%
20.5	2426.716	46.076	963.363	1.18%	24.58%
21.0	2423.605	47.111	1010.475	1.20%	25.78%
21.5	2419.596	48.124	1058.599	1.23%	27.01%
22.0	2414.643	49.111	1107.71	1.25%	28.26%
22.5	2408.591	50.069	1157.779	1.28%	29.54%
23.0	2401.580	50.997	1208.776	1.30%	30.84%
23.5	2394.104	51.899	1260.675	1.32%	32.16%
24.0	2385.854	52.778	1313.453	1.35%	33.51%
24.5	2376.722	53.627	1367.08	1.37%	34.87%
25.0	2367.001	54.447	1421.527	1.39%	36.26%
25.5	2356.786	55.243	1476.77	1.41%	37.67%
26.0	2345.503	56.007	1532.777	1.43%	39.10%
26.5	2332.981	56.729	1589.506	1.45%	40.55%
27.0	2320.212	57.419	1646.925	1.46%	42.01%
27.5	2306.219	58.075	1704.999	1.48%	43.49%
28.0	2291.020	58.684	1763.683	1.50%	44.99%
28.5	2273.560	59.231	1822.915	1.51%	46.50%
29.0	2255.017	59.716	1882.631	1.52%	48.03%
29.5	2234.199	60.137	1942.768	1.53%	49.56%
30.0	2211.447	60.479	2003.246	1.54%	51.10%
30.5	2186.821	60.745	2063.992	1.55%	52.65%
31.0	2159.812	60.928	2124.92	1.55%	54.21%
31.5	2130.125	61.013	2185.933	1.56%	55.76%
32.0	2097.342	60.987	2246.92	1.56%	57.32%
32.5	2061.619	60.843	2307.763	1.55%	58.87%
33.0	2023.667	60.589	2368.352	1.55%	60.42%
33.5	1982.789	60.224	2428.576	1.54%	61.95%
34.0	1939.791	59.746	2488.322	1.52%	63.48%
34.5	1893.914	59.152	2547.474	1.51%	64.99%
35.0	1844.833	58.424	2605.899	1.49%	66.48%
35.5	1794.622	57.586	2663.485	1.47%	67.95%
36.0	1743.111	56.666	2720.15	1.45%	69.39%
36.5	1690.610	55.664	2775.814	1.42%	70.81%
37.0	1635.878	54.566	2830.38	1.39%	72.20%
37.5	1579.585	53.359	2883.739	1.36%	73.56%

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	1522.362	52.064	2935.802	1.33%	74.89%
38.5	1465.187	50.707	2986.509	1.29%	76.19%
39.0	1407.608	49.297	3035.807	1.26%	77.44%
39.5	1349.379	47.822	3083.629	1.22%	78.66%
40.0	1292.389	46.312	3129.941	1.18%	79.85%
40.5	1235.554	44.779	3174.72	1.14%	80.99%
41.0	1179.321	43.216	3217.936	1.10%	82.09%
41.5	1123.616	41.629	3259.565	1.06%	83.15%
42.0	1068.561	40.019	3299.584	1.02%	84.17%
42.5	1013.530	38.380	3337.963	0.98%	85.15%
43.0	958.977	36.708	3374.671	0.94%	86.09%
43.5	904.417	35.003	3409.674	0.89%	86.98%
44.0	850.849	33.277	3442.951	0.85%	87.83%
44.5	798.409	31.551	3474.502	0.80%	88.64%
45.0	746.988	29.828	3504.329	0.76%	89.40%
45.5	696.071	28.096	3532.426	0.72%	90.11%
46.0	647.798	26.391	3558.816	0.67%	90.79%
46.5	601.711	24.745	3583.561	0.63%	91.42%
47.0	559.031	23.178	3606.74	0.59%	92.01%
47.5	518.367	21.690	3628.43	0.55%	92.56%
48.0	478.415	20.228	3648.658	0.52%	93.08%
48.5	439.401	18.773	3667.431	0.48%	93.56%
49.0	402.200	17.347	3684.778	0.44%	94.00%
49.5	366.630	15.968	3700.745	0.41%	94.41%
50.0	333.557	14.651	3715.396	0.37%	94.78%
50.5	303.547	13.429	3728.825	0.34%	95.12%
51.0	277.107	12.327	3741.153	0.31%	95.44%
51.5	253.856	11.352	3752.505	0.29%	95.73%
52.0	233.347	10.489	3762.995	0.27%	95.99%
52.5	214.693	9.712	3772.707	0.25%	96.24%
53.0	197.403	8.993	3781.7	0.23%	96.47%
53.5	181.326	8.319	3790.02	0.21%	96.68%
54.0	166.530	7.691	3797.71	0.20%	96.88%
54.5	153.060	7.111	3804.821	0.18%	97.06%
55.0	140.230	6.566	3811.387	0.17%	97.23%
55.5	128.203	6.047	3817.434	0.15%	97.38%
56.0	117.048	5.558	3822.992	0.14%	97.53%
56.5	106.898	5.105	3828.097	0.13%	97.66%

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	97.862	4.695	3832.791	0.12%	97.78%
57.5	89.665	4.324	3837.115	0.11%	97.89%
58.0	82.533	3.993	3841.108	0.10%	97.99%
58.5	76.343	3.704	3844.812	0.09%	98.08%
59.0	71.075	3.455	3848.267	0.09%	98.17%
59.5	66.661	3.245	3851.512	0.08%	98.25%
60.0	62.731	3.064	3854.576	0.08%	98.33%
60.5	59.372	2.906	3857.483	0.07%	98.41%
61.0	56.403	2.769	3860.252	0.07%	98.48%
61.5	53.747	2.648	3862.899	0.07%	98.54%
62.0	51.312	2.537	3865.437	0.06%	98.61%
62.5	49.078	2.436	3867.872	0.06%	98.67%
63.0	47.009	2.342	3870.214	0.06%	98.73%
63.5	45.070	2.254	3872.468	0.06%	98.79%
64.0	43.242	2.171	3874.64	0.06%	98.84%
64.5	41.527	2.093	3876.733	0.05%	98.90%
65.0	40.019	2.022	3878.755	0.05%	98.95%
65.5	38.688	1.960	3880.715	0.05%	99.00%
66.0	37.500	1.904	3882.619	0.05%	99.05%
66.5	36.408	1.855	3884.474	0.05%	99.09%
67.0	35.360	1.808	3886.281	0.05%	99.14%
67.5	34.335	1.762	3888.044	0.04%	99.18%
68.0	33.312	1.716	3889.76	0.04%	99.23%
68.5	32.287	1.670	3891.43	0.04%	99.27%
69.0	31.246	1.623	3893.054	0.04%	99.31%
69.5	30.196	1.575	3894.629	0.04%	99.35%
70.0	29.151	1.526	3896.155	0.04%	99.39%
70.5	28.117	1.478	3897.633	0.04%	99.43%
71.0	27.058	1.428	3899.061	0.04%	99.47%
71.5	25.953	1.376	3900.437	0.04%	99.50%
72.0	24.845	1.323	3901.76	0.03%	99.53%
72.5	23.748	1.269	3903.029	0.03%	99.57%
73.0	22.652	1.215	3904.244	0.03%	99.60%
73.5	21.576	1.161	3905.405	0.03%	99.63%
74.0	20.515	1.108	3906.513	0.03%	99.66%
74.5	19.472	1.055	3907.568	0.03%	99.68%
75.0	18.446	1.003	3908.571	0.03%	99.71%
75.5	17.446	0.952	3909.522	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

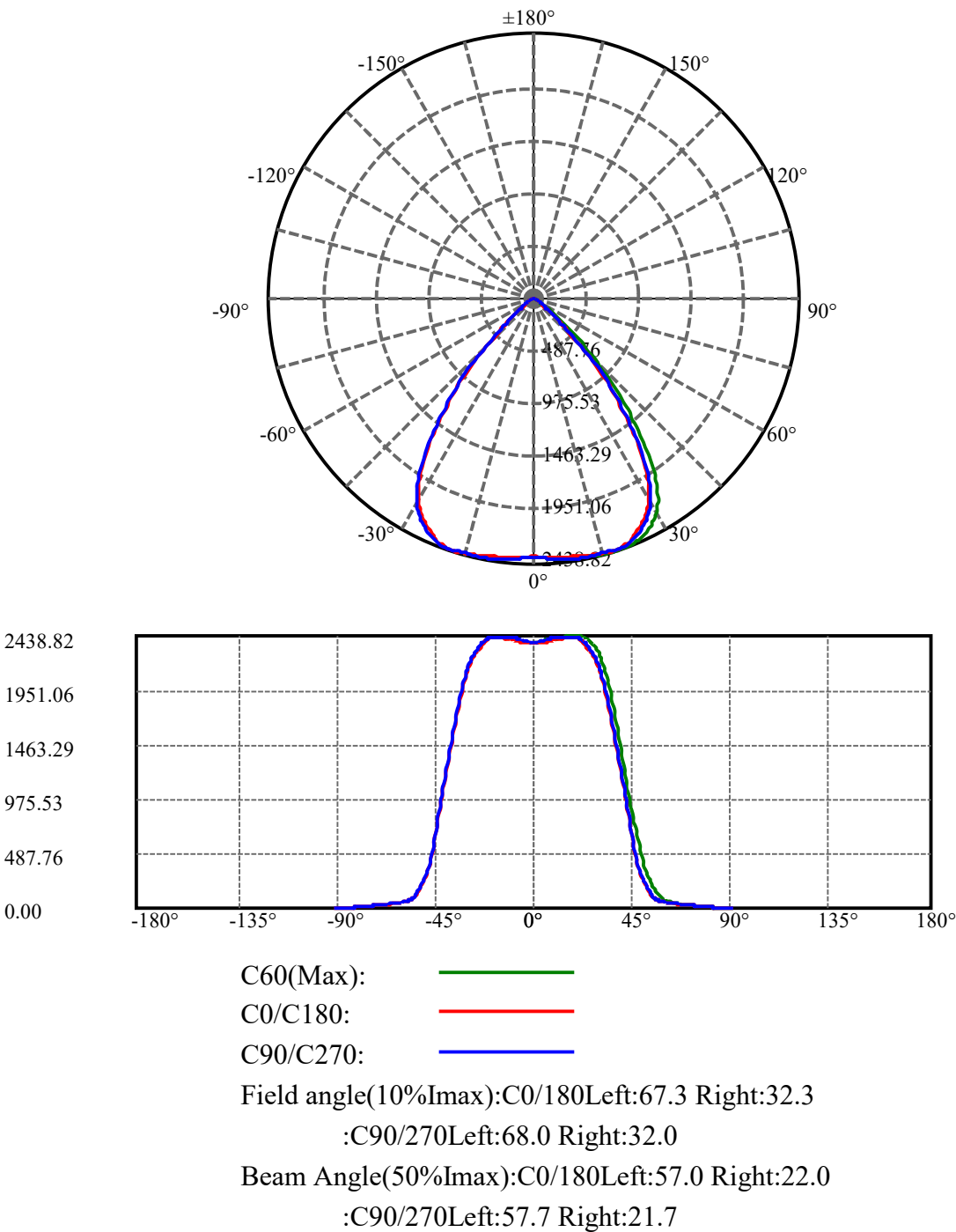
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.468	0.901	3910.423	0.02%	99.76%
76.5	15.513	0.852	3911.275	0.02%	99.78%
77.0	14.583	0.803	3912.078	0.02%	99.80%
77.5	13.682	0.756	3912.834	0.02%	99.82%
78.0	12.798	0.709	3913.543	0.02%	99.84%
78.5	11.952	0.664	3914.208	0.02%	99.85%
79.0	11.149	0.621	3914.829	0.02%	99.87%
79.5	10.347	0.579	3915.408	0.01%	99.88%
80.0	9.574	0.537	3915.945	0.01%	99.90%
80.5	8.816	0.497	3916.442	0.01%	99.91%
81.0	8.088	0.457	3916.9	0.01%	99.92%
81.5	7.377	0.419	3917.319	0.01%	99.93%
82.0	6.687	0.382	3917.7	0.01%	99.94%
82.5	6.026	0.345	3918.045	0.01%	99.95%
83.0	5.390	0.310	3918.356	0.01%	99.96%
83.5	4.790	0.277	3918.633	0.01%	99.97%
84.0	4.226	0.246	3918.879	0.01%	99.97%
84.5	3.698	0.216	3919.095	0.01%	99.98%
85.0	3.213	0.189	3919.284	0.00%	99.98%
85.5	2.748	0.163	3919.446	0.00%	99.99%
86.0	2.302	0.138	3919.585	0.00%	99.99%
86.5	1.913	0.115	3919.7	0.00%	99.99%
87.0	1.534	0.094	3919.794	0.00%	99.99%
87.5	1.177	0.074	3919.868	0.00%	100.00%
88.0	0.852	0.056	3919.924	0.00%	100.00%
88.5	0.550	0.038	3919.962	0.00%	100.00%
89.0	0.278	0.023	3919.985	0.00%	100.00%
89.5	0.109	0.011	3919.996	0.00%	100.00%
90.0	0.049	0.004	3920	0.00%	100.00%

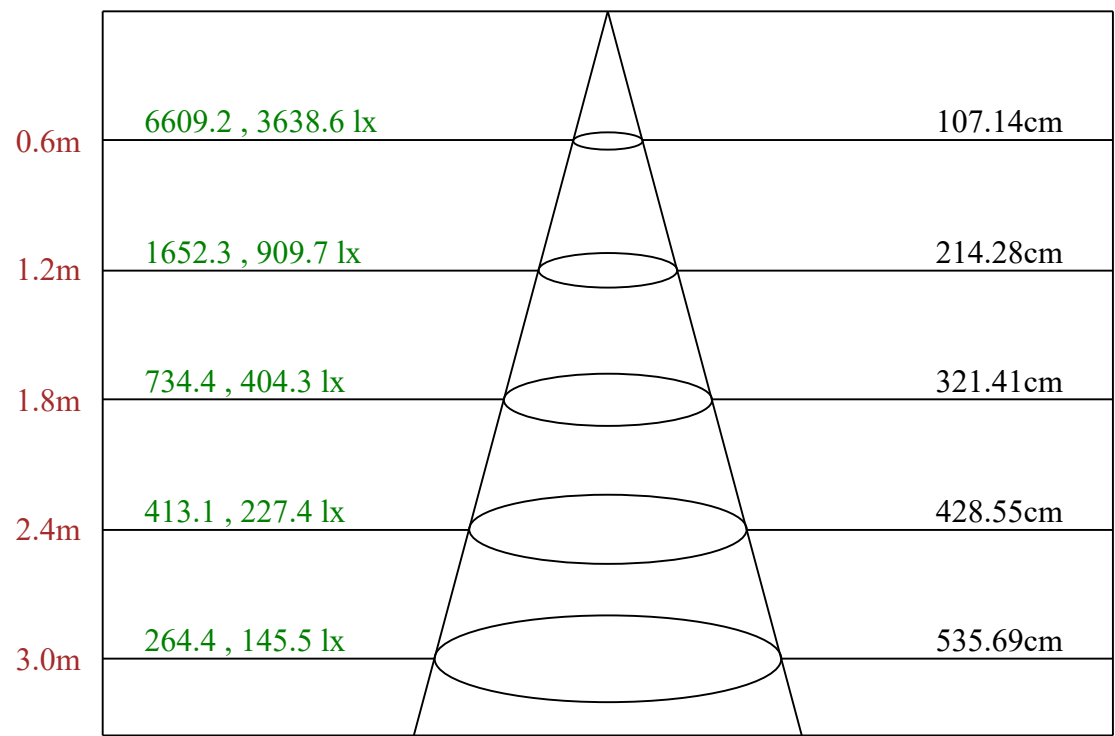
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2003.25	51.10%	51.10%
0-40	3129.94	79.85%	79.85%
0-60	3854.58	98.33%	98.33%
0-90	3920.00	100.00%	100.00%
0-120	3920.00	100.00%	100.00%
0-180	3920.00	100.00%	100.00%
60-90	65.42	1.67%	1.67%
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%
0-40.07	3136.00	80.00%	80.00%

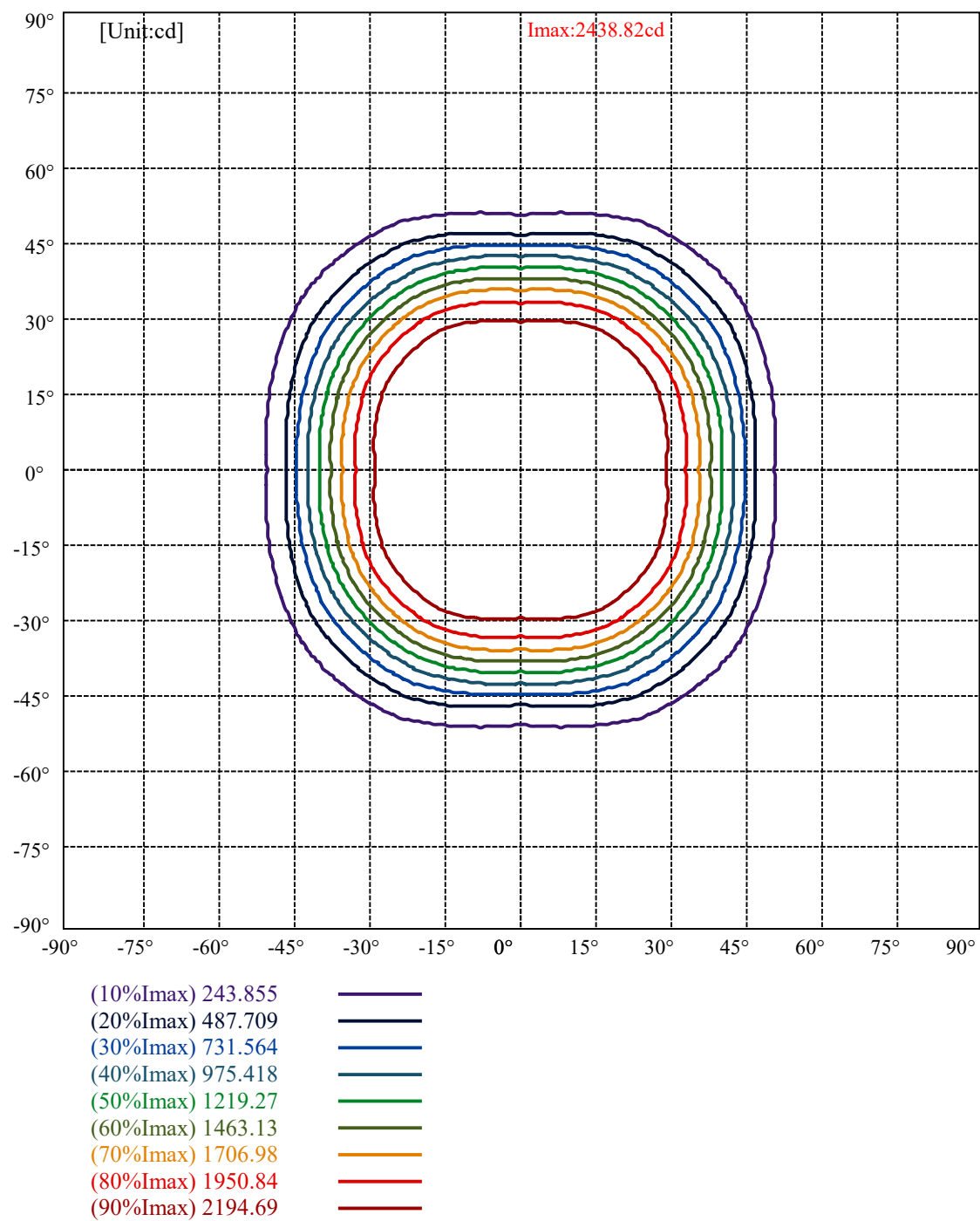
ZONAL LUMEN SUMMARY

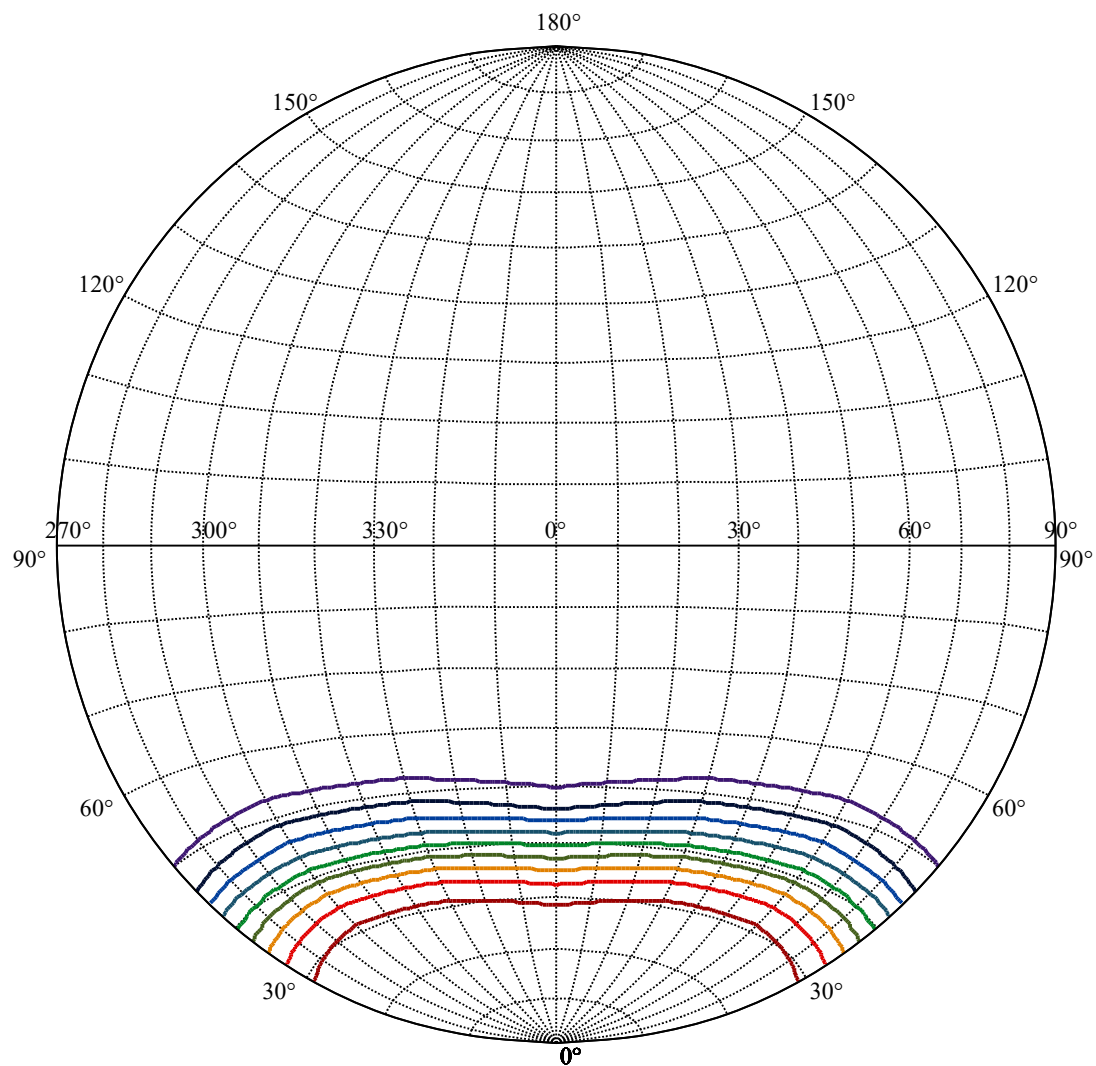
0-10	229.12
10-20	688.16
20-30	1085.96
30-40	1126.69
40-50	585.46
50-60	139.18
60-70	41.58
70-80	19.79
80-90	4.05
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C60 plane 83.52



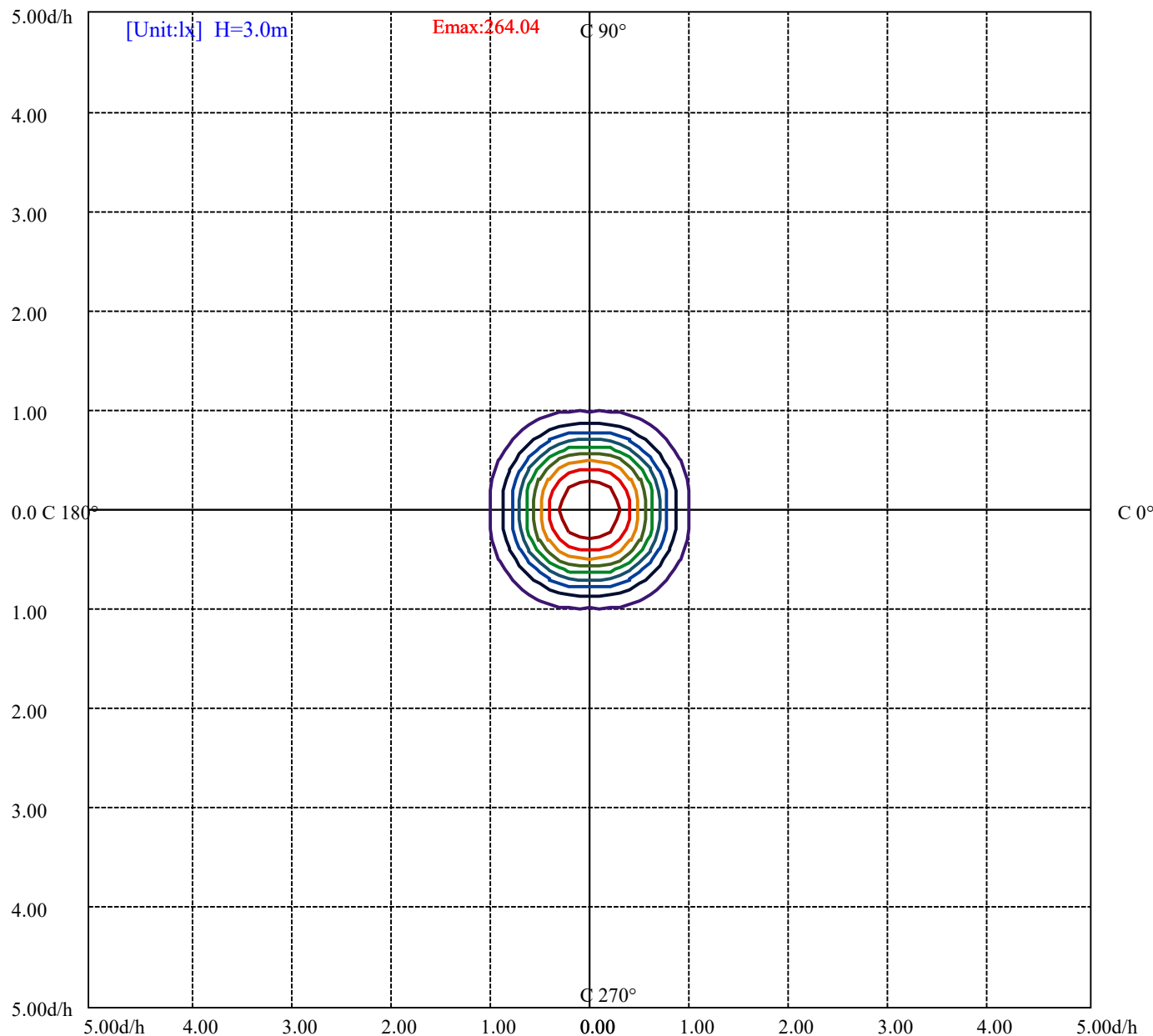


House

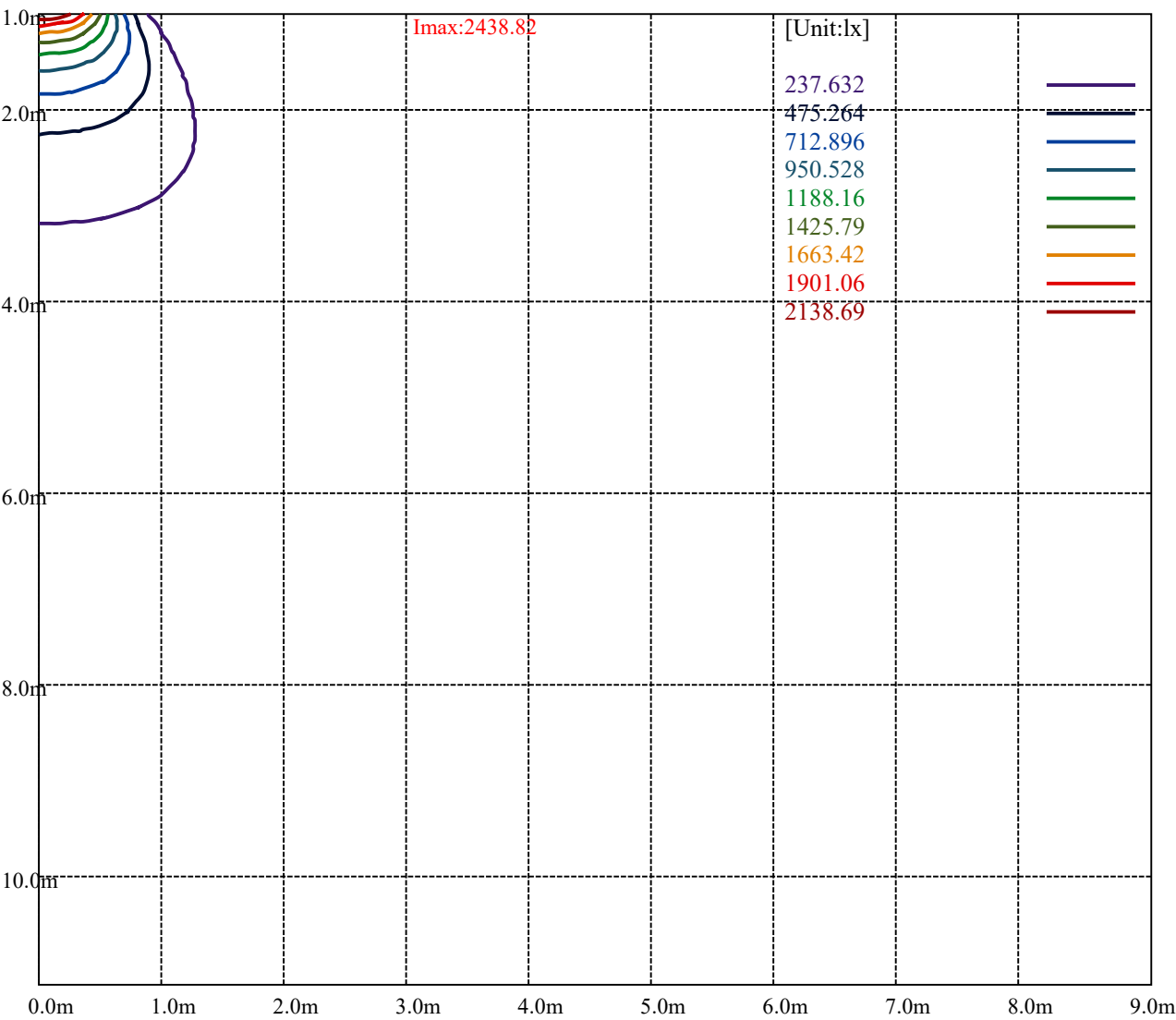
[Unit:cd]

Road

Imax:2438.82	
(10%Imax) 243.882	
(20%Imax) 487.764	
(30%Imax) 731.646	
(40%Imax) 975.528	
(50%Imax) 1219.41	
(60%Imax) 1463.29	
(70%Imax) 1707.17	
(80%Imax) 1951.06	
(90%Imax) 2194.94	



(10%Emax)	26.40356	
(20%Emax)	52.80711	
(30%Emax)	79.21066	
(40%Emax)	105.6142	
(50%Emax)	132.0178	
(60%Emax)	158.4211	
(70%Emax)	184.8244	
(80%Emax)	211.2289	
(90%Emax)	237.6322	



Luminance Limiting Curve(no luminous side)

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Luminance Table

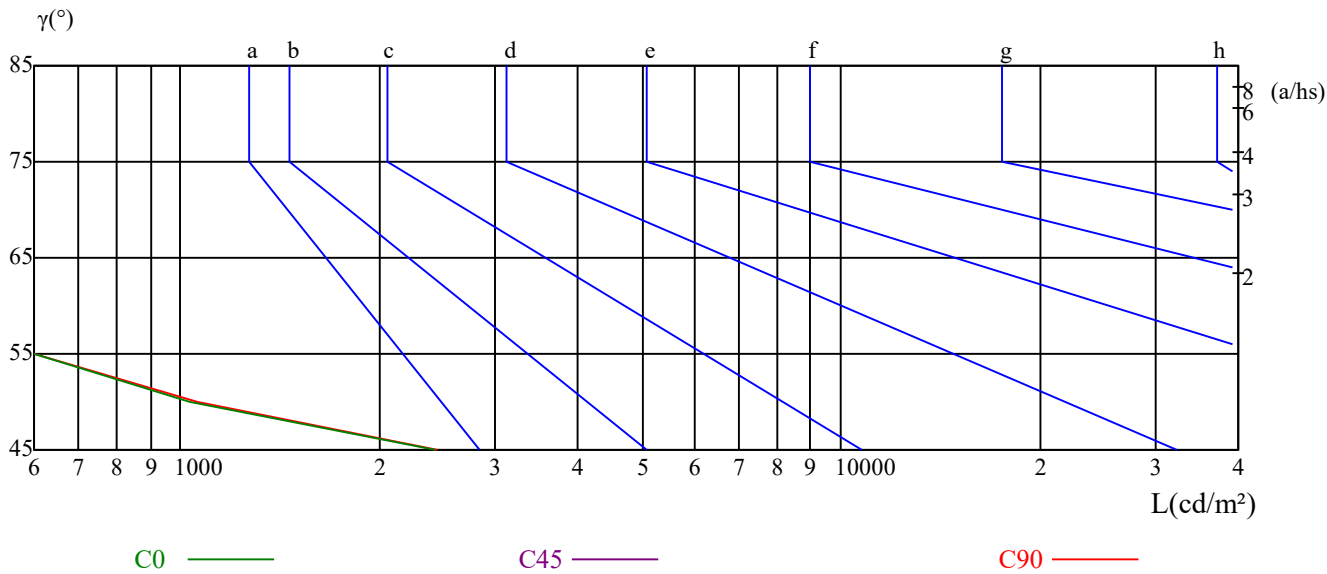
γ	45	50	55	60	65	70	75	80	85
C0	2430	1032	423	286	253	232	194	152	100
C45	0	0	0	0	0	0	0	0	0
C90	2444	1060	432	288	254	233	194	152	108

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
253	254	0	194	194	0	100	108	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	12.82	13.97	13.18	14.28	14.60	12.91	14.07	13.28	14.38	14.69
	3H	12.69	13.71	13.08	14.05	14.40	12.79	13.81	13.18	14.15	14.49
	4H	12.63	13.57	13.03	13.92	14.29	12.72	13.67	13.12	14.02	14.39
	6H	12.57	13.43	12.98	13.81	14.20	12.66	13.53	13.08	13.90	14.30
	8H	12.50	13.33	12.92	13.71	14.12	12.60	13.42	13.02	13.81	14.21
	12H	12.44	13.22	12.86	13.61	14.03	12.53	13.32	12.96	13.71	14.13
4H	2H	12.61	13.55	13.00	13.90	14.27	12.70	13.64	13.10	14.00	14.36
	3H	12.47	13.25	12.90	13.65	14.06	12.57	13.35	12.99	13.74	14.16
	4H	12.45	13.12	12.89	13.55	13.99	12.54	13.22	12.98	13.64	14.09
	6H	12.35	12.94	12.82	13.39	13.84	12.44	13.03	12.91	13.48	13.94
	8H	12.30	12.85	12.78	13.31	13.78	12.39	12.95	12.88	13.40	13.87
	12H	12.26	12.77	12.75	13.22	13.73	12.35	12.86	12.84	13.31	13.83
8H	4H	12.29	12.84	12.77	13.29	13.76	12.38	12.93	12.86	13.39	13.86
	6H	12.18	12.63	12.68	13.11	13.62	12.27	12.72	12.77	13.20	13.71
	8H	12.17	12.57	12.70	13.08	13.58	12.27	12.66	12.79	13.18	13.67
	12H	12.13	12.44	12.66	12.96	13.48	12.22	12.54	12.76	13.05	13.57
12H	4H	12.24	12.75	12.73	13.20	13.72	12.33	12.84	12.82	13.29	13.81
	6H	12.16	12.56	12.69	13.08	13.57	12.26	12.65	12.78	13.17	13.66
	8H	12.12	12.44	12.66	12.96	13.47	12.22	12.53	12.75	13.05	13.57
Variation with the observer position at spacings:											
S = 1.0H		2.7/-7.8					2.7/-7.8				
S = 1.5H		4.7/-9.5					4.7/-9.4				
S = 2.0H		6.7/-9.5					6.7/-9.5				
Standard tables:		BK0					BK0				
Uncorrected UGR		-5.9					-6.0				

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

Intensity data(cd)

Appendix Page: 16 Total:21

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	2376.32	2368.61	2369.63	2371.86	2374.56	2375.76	2376.88	2377.99	2379.01
30.0	2376.32	2377.06	2377.34	2378.08	2379.38	2380.59	2381.52	2382.08	2383.66
60.0	2376.32	2378.36	2379.11	2381.15	2383.10	2385.61	2388.02	2389.97	2393.41
90.0	2376.32	2377.53	2378.18	2380.22	2382.91	2385.42	2388.49	2392.66	2396.19
120.0	2376.32	2378.36	2379.11	2381.15	2383.10	2385.61	2388.02	2389.97	2393.41
150.0	2376.32	2377.06	2377.34	2378.08	2379.38	2380.59	2381.52	2382.08	2383.66
180.0	2376.32	2368.61	2369.63	2371.86	2374.56	2375.76	2376.88	2377.99	2379.01
210.0	2376.32	2377.06	2377.34	2378.08	2379.38	2380.59	2381.52	2382.08	2383.66
240.0	2376.32	2378.36	2379.11	2381.15	2383.10	2385.61	2388.02	2389.97	2393.41
270.0	2376.32	2377.53	2378.18	2380.22	2382.91	2385.42	2388.49	2392.66	2396.19
300.0	2376.32	2378.36	2379.11	2381.15	2383.10	2385.61	2388.02	2389.97	2393.41
330.0	2376.32	2377.06	2377.34	2378.08	2379.38	2380.59	2381.52	2382.08	2383.66
360.0	2376.32	2368.61	2369.63	2371.86	2374.56	2375.76	2376.88	2377.99	2379.01

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2379.57	2380.31	2381.71	2384.40	2386.81	2388.21	2389.69	2392.20	2394.71
30.0	2384.77	2386.81	2389.23	2391.74	2395.17	2398.61	2401.58	2404.83	2407.62
60.0	2396.84	2399.82	2402.88	2404.46	2406.97	2408.36	2409.85	2410.87	2411.33
90.0	2399.35	2401.39	2405.20	2407.99	2410.77	2412.54	2414.95	2417.92	2419.50
120.0	2396.84	2399.82	2402.88	2404.46	2406.97	2408.36	2409.85	2410.87	2411.33
150.0	2384.77	2386.81	2389.23	2391.74	2395.17	2398.61	2401.58	2404.83	2407.62
180.0	2379.57	2380.31	2381.71	2384.40	2386.81	2388.21	2389.69	2392.20	2394.71
210.0	2384.77	2386.81	2389.23	2391.74	2395.17	2398.61	2401.58	2404.83	2407.62
240.0	2396.84	2399.82	2402.88	2404.46	2406.97	2408.36	2409.85	2410.87	2411.33
270.0	2399.35	2401.39	2405.20	2407.99	2410.77	2412.54	2414.95	2417.92	2419.50
300.0	2396.84	2399.82	2402.88	2404.46	2406.97	2408.36	2409.85	2410.87	2411.33
330.0	2384.77	2386.81	2389.23	2391.74	2395.17	2398.61	2401.58	2404.83	2407.62
360.0	2379.57	2380.31	2381.71	2384.40	2386.81	2388.21	2389.69	2392.20	2394.71

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	2397.12	2399.44	2402.14	2404.27	2405.94	2409.20	2410.96	2412.72	2414.40
30.0	2410.22	2411.42	2414.02	2416.35	2418.39	2421.18	2423.59	2425.26	2427.49
60.0	2412.17	2413.19	2414.49	2414.86	2416.53	2418.95	2421.73	2423.59	2425.54
90.0	2420.43	2421.55	2422.57	2423.22	2424.43	2423.87	2422.66	2421.73	2422.01
120.0	2412.17	2413.19	2414.49	2414.86	2416.53	2418.95	2421.73	2423.59	2425.54
150.0	2410.22	2411.42	2414.02	2416.35	2418.39	2421.18	2423.59	2425.26	2427.49
180.0	2397.12	2399.44	2402.14	2404.27	2405.94	2409.20	2410.96	2412.72	2414.40
210.0	2410.22	2411.42	2414.02	2416.35	2418.39	2421.18	2423.59	2425.26	2427.49
240.0	2412.17	2413.19	2414.49	2414.86	2416.53	2418.95	2421.73	2423.59	2425.54
270.0	2420.43	2421.55	2422.57	2423.22	2424.43	2423.87	2422.66	2421.73	2422.01
300.0	2412.17	2413.19	2414.49	2414.86	2416.53	2418.95	2421.73	2423.59	2425.54
330.0	2410.22	2411.42	2414.02	2416.35	2418.39	2421.18	2423.59	2425.26	2427.49
360.0	2397.12	2399.44	2402.14	2404.27	2405.94	2409.20	2410.96	2412.72	2414.40

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	2416.72	2419.32	2420.90	2421.92	2424.24	2426.00	2427.86	2428.61	2429.53
30.0	2429.53	2430.56	2431.67	2431.39	2432.41	2432.41	2432.41	2432.13	2432.60
60.0	2427.86	2430.46	2432.69	2434.64	2435.48	2436.78	2437.24	2437.80	2438.63
90.0	2421.18	2420.06	2419.87	2420.15	2420.15	2420.06	2421.73	2422.66	2424.15
120.0	2427.86	2430.46	2432.69	2434.64	2435.48	2436.78	2437.24	2437.80	2438.63
150.0	2429.53	2430.56	2431.67	2431.39	2432.41	2432.41	2432.41	2432.13	2432.60
180.0	2416.72	2419.32	2420.90	2421.92	2424.24	2426.00	2427.86	2428.61	2429.53
210.0	2429.53	2430.56	2431.67	2431.39	2432.41	2432.41	2432.41	2432.13	2432.60
240.0	2427.86	2430.46	2432.69	2434.64	2435.48	2436.78	2437.24	2437.80	2438.63
270.0	2421.18	2420.06	2419.87	2420.15	2420.15	2420.06	2421.73	2422.66	2424.15
300.0	2427.86	2430.46	2432.69	2434.64	2435.48	2436.78	2437.24	2437.80	2438.63
330.0	2429.53	2430.56	2431.67	2431.39	2432.41	2432.41	2432.41	2432.13	2432.60
360.0	2416.72	2419.32	2420.90	2421.92	2424.24	2426.00	2427.86	2428.61	2429.53

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	2428.79	2427.49	2425.63	2422.20	2417.09	2411.70	2405.57	2396.47	2387.00
30.0	2432.23	2432.78	2432.23	2431.30	2429.72	2428.79	2426.93	2424.24	2420.25
60.0	2438.82	2438.45	2438.54	2438.08	2437.71	2436.13	2434.46	2432.78	2430.28
90.0	2425.63	2425.45	2425.26	2424.80	2422.10	2418.76	2413.28	2407.06	2399.82
120.0	2438.82	2438.45	2438.54	2438.08	2437.71	2436.13	2434.46	2432.78	2430.28
150.0	2432.23	2432.78	2432.23	2431.30	2429.72	2428.79	2426.93	2424.24	2420.25
180.0	2428.79	2427.49	2425.63	2422.20	2417.09	2411.70	2405.57	2396.47	2387.00
210.0	2432.23	2432.78	2432.23	2431.30	2429.72	2428.79	2426.93	2424.24	2420.25
240.0	2438.82	2438.45	2438.54	2438.08	2437.71	2436.13	2434.46	2432.78	2430.28
270.0	2425.63	2425.45	2425.26	2424.80	2422.10	2418.76	2413.28	2407.06	2399.82
300.0	2438.82	2438.45	2438.54	2438.08	2437.71	2436.13	2434.46	2432.78	2430.28
330.0	2432.23	2432.78	2432.23	2431.30	2429.72	2428.79	2426.93	2424.24	2420.25
360.0	2428.79	2427.49	2425.63	2422.20	2417.09	2411.70	2405.57	2396.47	2387.00

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	2376.04	2362.20	2349.11	2335.09	2321.90	2309.83	2296.45	2282.99	2267.85
30.0	2415.79	2411.24	2404.92	2398.70	2390.90	2382.63	2373.53	2363.41	2351.43
60.0	2425.91	2421.08	2415.97	2410.03	2403.25	2394.71	2386.26	2376.69	2366.57
90.0	2392.11	2382.63	2373.72	2362.58	2350.13	2337.50	2324.68	2309.83	2294.04
120.0	2425.91	2421.08	2415.97	2410.03	2403.25	2394.71	2386.26	2376.69	2366.57
150.0	2415.79	2411.24	2404.92	2398.70	2390.90	2382.63	2373.53	2363.41	2351.43
180.0	2376.04	2362.20	2349.11	2335.09	2321.90	2309.83	2296.45	2282.99	2267.85
210.0	2415.79	2411.24	2404.92	2398.70	2390.90	2382.63	2373.53	2363.41	2351.43
240.0	2425.91	2421.08	2415.97	2410.03	2403.25	2394.71	2386.26	2376.69	2366.57
270.0	2392.11	2382.63	2373.72	2362.58	2350.13	2337.50	2324.68	2309.83	2294.04
300.0	2425.91	2421.08	2415.97	2410.03	2403.25	2394.71	2386.26	2376.69	2366.57
330.0	2415.79	2411.24	2404.92	2398.70	2390.90	2382.63	2373.53	2363.41	2351.43
360.0	2376.04	2362.20	2349.11	2335.09	2321.90	2309.83	2296.45	2282.99	2267.85

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	2251.51	2234.32	2216.31	2195.69	2172.75	2147.40	2120.75	2091.03	2059.92
30.0	2339.64	2327.38	2314.65	2299.05	2282.99	2264.04	2243.80	2221.51	2196.81
60.0	2355.52	2343.82	2330.35	2314.56	2298.22	2280.01	2259.21	2236.74	2212.13
90.0	2279.46	2260.61	2239.80	2218.44	2194.95	2169.69	2141.92	2113.41	2081.09
120.0	2355.52	2343.82	2330.35	2314.56	2298.22	2280.01	2259.21	2236.74	2212.13
150.0	2339.64	2327.38	2314.65	2299.05	2282.99	2264.04	2243.80	2221.51	2196.81
180.0	2251.51	2234.32	2216.31	2195.69	2172.75	2147.40	2120.75	2091.03	2059.92
210.0	2339.64	2327.38	2314.65	2299.05	2282.99	2264.04	2243.80	2221.51	2196.81
240.0	2355.52	2343.82	2330.35	2314.56	2298.22	2280.01	2259.21	2236.74	2212.13
270.0	2279.46	2260.61	2239.80	2218.44	2194.95	2169.69	2141.92	2113.41	2081.09
300.0	2355.52	2343.82	2330.35	2314.56	2298.22	2280.01	2259.21	2236.74	2212.13
330.0	2339.64	2327.38	2314.65	2299.05	2282.99	2264.04	2243.80	2221.51	2196.81
360.0	2251.51	2234.32	2216.31	2195.69	2172.75	2147.40	2120.75	2091.03	2059.92

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	2024.91	1985.53	1944.20	1900.00	1855.51	1806.76	1756.24	1704.32	1652.41
30.0	2168.94	2137.28	2104.68	2069.39	2029.55	1989.15	1944.67	1896.47	1846.97
60.0	2185.29	2156.50	2123.44	2087.87	2049.61	2009.12	1965.56	1918.94	1870.19
90.0	2047.38	2010.98	1969.28	1927.49	1882.91	1835.45	1786.79	1733.86	1681.01
120.0	2185.29	2156.50	2123.44	2087.87	2049.61	2009.12	1965.56	1918.94	1870.19
150.0	2168.94	2137.28	2104.68	2069.39	2029.55	1989.15	1944.67	1896.47	1846.97
180.0	2024.91	1985.53	1944.20	1900.00	1855.51	1806.76	1756.24	1704.32	1652.41
210.0	2168.94	2137.28	2104.68	2069.39	2029.55	1989.15	1944.67	1896.47	1846.97
240.0	2185.29	2156.50	2123.44	2087.87	2049.61	2009.12	1965.56	1918.94	1870.19
270.0	2047.38	2010.98	1969.28	1927.49	1882.91	1835.45	1786.79	1733.86	1681.01
300.0	2185.29	2156.50	2123.44	2087.87	2049.61	2009.12	1965.56	1918.94	1870.19
330.0	2168.94	2137.28	2104.68	2069.39	2029.55	1989.15	1944.67	1896.47	1846.97
360.0	2024.91	1985.53	1944.20	1900.00	1855.51	1806.76	1756.24	1704.32	1652.41

Intensity data(cd)

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C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1600.40	1547.47	1491.84	1436.68	1379.56	1325.88	1270.63	1216.21	1163.27
30.0	1795.52	1742.96	1688.35	1632.16	1574.21	1516.08	1457.94	1398.51	1339.81
60.0	1820.87	1768.96	1714.72	1657.52	1601.15	1542.45	1483.95	1423.95	1365.45
90.0	1625.48	1572.36	1517.29	1461.47	1403.89	1348.17	1291.24	1235.15	1180.55
120.0	1820.87	1768.96	1714.72	1657.52	1601.15	1542.45	1483.95	1423.95	1365.45
150.0	1795.52	1742.96	1688.35	1632.16	1574.21	1516.08	1457.94	1398.51	1339.81
180.0	1600.40	1547.47	1491.84	1436.68	1379.56	1325.88	1270.63	1216.21	1163.27
210.0	1795.52	1742.96	1688.35	1632.16	1574.21	1516.08	1457.94	1398.51	1339.81
240.0	1820.87	1768.96	1714.72	1657.52	1601.15	1542.45	1483.95	1423.95	1365.45
270.0	1625.48	1572.36	1517.29	1461.47	1403.89	1348.17	1291.24	1235.15	1180.55
300.0	1820.87	1768.96	1714.72	1657.52	1601.15	1542.45	1483.95	1423.95	1365.45
330.0	1795.52	1742.96	1688.35	1632.16	1574.21	1516.08	1457.94	1398.51	1339.81
360.0	1600.40	1547.47	1491.84	1436.68	1379.56	1325.88	1270.63	1216.21	1163.27

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1111.54	1057.87	1005.30	953.02	898.01	842.73	785.40	728.27	669.29
30.0	1282.51	1223.36	1166.99	1110.71	1055.82	1002.05	949.86	899.96	851.62
60.0	1305.92	1249.45	1191.22	1134.39	1078.48	1024.53	971.68	921.35	873.07
90.0	1124.92	1072.45	1019.98	968.15	914.56	857.98	798.02	734.21	671.79
120.0	1305.92	1249.45	1191.22	1134.39	1078.48	1024.53	971.68	921.35	873.07
150.0	1282.51	1223.36	1166.99	1110.71	1055.82	1002.05	949.86	899.96	851.62
180.0	1111.54	1057.87	1005.30	953.02	898.01	842.73	785.40	728.27	669.29
210.0	1282.51	1223.36	1166.99	1110.71	1055.82	1002.05	949.86	899.96	851.62
240.0	1305.92	1249.45	1191.22	1134.39	1078.48	1024.53	971.68	921.35	873.07
270.0	1124.92	1072.45	1019.98	968.15	914.56	857.98	798.02	734.21	671.79
300.0	1305.92	1249.45	1191.22	1134.39	1078.48	1024.53	971.68	921.35	873.07
330.0	1282.51	1223.36	1166.99	1110.71	1055.82	1002.05	949.86	899.96	851.62
360.0	1111.54	1057.87	1005.30	953.02	898.01	842.73	785.40	728.27	669.29

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	608.29	544.58	485.03	437.53	396.95	362.33	331.58	304.67	280.03
30.0	805.60	759.62	716.86	673.19	629.64	586.06	542.57	497.91	455.34
60.0	825.31	780.08	735.63	691.54	647.13	602.74	556.76	511.37	467.38
90.0	611.82	552.46	496.77	443.29	403.71	370.30	340.27	313.16	287.73
120.0	825.31	780.08	735.63	691.54	647.13	602.74	556.76	511.37	467.38
150.0	805.60	759.62	716.86	673.19	629.64	586.06	542.57	497.91	455.34
180.0	608.29	544.58	485.03	437.53	396.95	362.33	331.58	304.67	280.03
210.0	805.60	759.62	716.86	673.19	629.64	586.06	542.57	497.91	455.34
240.0	825.31	780.08	735.63	691.54	647.13	602.74	556.76	511.37	467.38
270.0	611.82	552.46	496.77	443.29	403.71	370.30	340.27	313.16	287.73
300.0	825.31	780.08	735.63	691.54	647.13	602.74	556.76	511.37	467.38
330.0	805.60	759.62	716.86	673.19	629.64	586.06	542.57	497.91	455.34
360.0	608.29	544.58	485.03	437.53	396.95	362.33	331.58	304.67	280.03

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	256.62	234.93	214.49	194.75	175.57	157.13	140.86	126.28	113.56
30.0	415.23	377.64	343.00	313.04	287.55	266.00	246.80	228.68	211.10
60.0	424.34	384.95	350.23	321.04	296.30	275.04	254.78	235.85	217.99
90.0	264.00	241.24	220.34	199.74	179.88	160.86	144.15	129.08	116.22
120.0	424.34	384.95	350.23	321.04	296.30	275.04	254.78	235.85	217.99
150.0	415.23	377.64	343.00	313.04	287.55	266.00	246.80	228.68	211.10
180.0	256.62	234.93	214.49	194.75	175.57	157.13	140.86	126.28	113.56
210.0	415.23	377.64	343.00	313.04	287.55	266.00	246.80	228.68	211.10
240.0	424.34	384.95	350.23	321.04	296.30	275.04	254.78	235.85	217.99
270.0	264.00	241.24	220.34	199.74	179.88	160.86	144.15	129.08	116.22
300.0	424.34	384.95	350.23	321.04	296.30	275.04	254.78	235.85	217.99
330.0	415.23	377.64	343.00	313.04	287.55	266.00	246.80	228.68	211.10
360.0	256.62	234.93	214.49	194.75	175.57	157.13	140.86	126.28	113.56

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	102.66	93.62	85.80	79.36	74.04	69.53	65.84	62.59	59.67
30.0	194.59	179.31	164.39	149.96	136.21	123.55	112.19	101.58	92.50
60.0	201.24	185.31	169.58	154.47	140.23	127.04	115.06	104.41	95.07
90.0	104.88	95.50	87.65	81.00	75.36	70.68	66.84	63.42	60.38
120.0	201.24	185.31	169.58	154.47	140.23	127.04	115.06	104.41	95.07
150.0	194.59	179.31	164.39	149.96	136.21	123.55	112.19	101.58	92.50
180.0	102.66	93.62	85.80	79.36	74.04	69.53	65.84	62.59	59.67
210.0	194.59	179.31	164.39	149.96	136.21	123.55	112.19	101.58	92.50
240.0	201.24	185.31	169.58	154.47	140.23	127.04	115.06	104.41	95.07
270.0	104.88	95.50	87.65	81.00	75.36	70.68	66.84	63.42	60.38
300.0	201.24	185.31	169.58	154.47	140.23	127.04	115.06	104.41	95.07
330.0	194.59	179.31	164.39	149.96	136.21	123.55	112.19	101.58	92.50
360.0	102.66	93.62	85.80	79.36	74.04	69.53	65.84	62.59	59.67
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	57.07	54.74	52.55	50.57	48.79	47.12	45.64	44.32	43.13
30.0	84.72	78.12	72.52	67.80	63.77	60.22	57.04	54.20	51.53
60.0	86.95	80.15	74.70	69.64	65.39	61.71	58.40	55.27	52.44
90.0	57.65	55.18	52.98	50.93	49.13	47.45	45.97	44.63	43.40
120.0	86.95	80.15	74.70	69.64	65.39	61.71	58.40	55.27	52.44
150.0	84.72	78.12	72.52	67.80	63.77	60.22	57.04	54.20	51.53
180.0	57.07	54.74	52.55	50.57	48.79	47.12	45.64	44.32	43.13
210.0	84.72	78.12	72.52	67.80	63.77	60.22	57.04	54.20	51.53
240.0	86.95	80.15	74.70	69.64	65.39	61.71	58.40	55.27	52.44
270.0	57.65	55.18	52.98	50.93	49.13	47.45	45.97	44.63	43.40
300.0	86.95	80.15	74.70	69.64	65.39	61.71	58.40	55.27	52.44
330.0	84.72	78.12	72.52	67.80	63.77	60.22	57.04	54.20	51.53
360.0	57.07	54.74	52.55	50.57	48.79	47.12	45.64	44.32	43.13
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	41.99	40.93	39.86	38.86	37.83	36.85	35.89	34.93	34.01
30.0	49.07	46.80	44.67	42.66	40.98	39.47	38.15	36.98	35.87
60.0	49.83	47.36	45.06	42.96	41.16	39.66	38.37	37.23	36.11
90.0	42.27	41.17	40.12	39.07	38.01	37.02	36.06	35.11	34.18
120.0	49.83	47.36	45.06	42.96	41.16	39.66	38.37	37.23	36.11
150.0	49.07	46.80	44.67	42.66	40.98	39.47	38.15	36.98	35.87
180.0	41.99	40.93	39.86	38.86	37.83	36.85	35.89	34.93	34.01
210.0	49.07	46.80	44.67	42.66	40.98	39.47	38.15	36.98	35.87
240.0	49.83	47.36	45.06	42.96	41.16	39.66	38.37	37.23	36.11
270.0	42.27	41.17	40.12	39.07	38.01	37.02	36.06	35.11	34.18
300.0	49.83	47.36	45.06	42.96	41.16	39.66	38.37	37.23	36.11
330.0	49.07	46.80	44.67	42.66	40.98	39.47	38.15	36.98	35.87
360.0	41.99	40.93	39.86	38.86	37.83	36.85	35.89	34.93	34.01
C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	33.12	32.21	31.28	30.27	29.21	28.12	27.06	25.97	24.88
30.0	34.81	33.74	32.69	31.64	30.60	29.58	28.56	27.51	26.41
60.0	34.99	33.91	32.83	31.77	30.72	29.70	28.69	27.65	26.53
90.0	33.29	32.37	31.42	30.40	29.34	28.24	27.15	26.06	24.96
120.0	34.99	33.91	32.83	31.77	30.72	29.70	28.69	27.65	26.53
150.0	34.81	33.74	32.69	31.64	30.60	29.58	28.56	27.51	26.41
180.0	33.12	32.21	31.28	30.27	29.21	28.12	27.06	25.97	24.88
210.0	34.81	33.74	32.69	31.64	30.60	29.58	28.56	27.51	26.41
240.0	34.99	33.91	32.83	31.77	30.72	29.70	28.69	27.65	26.53
270.0	33.29	32.37	31.42	30.40	29.34	28.24	27.15	26.06	24.96
300.0	34.99	33.91	32.83	31.77	30.72	29.70	28.69	27.65	26.53
330.0	34.81	33.74	32.69	31.64	30.60	29.58	28.56	27.51	26.41
360.0	33.12	32.21	31.28	30.27	29.21	28.12	27.06	25.97	24.88

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	23.81	22.78	21.74	20.74	19.75	18.75	17.80	16.84	15.91
30.0	25.30	24.19	23.07	21.96	20.88	19.80	18.74	17.73	16.74
60.0	25.39	24.25	23.12	22.01	20.91	19.86	18.81	17.76	16.74
90.0	23.88	22.84	21.80	20.78	19.77	18.77	17.80	16.86	15.94
120.0	25.39	24.25	23.12	22.01	20.91	19.86	18.81	17.76	16.74
150.0	25.30	24.19	23.07	21.96	20.88	19.80	18.74	17.73	16.74
180.0	23.81	22.78	21.74	20.74	19.75	18.75	17.80	16.84	15.91
210.0	25.30	24.19	23.07	21.96	20.88	19.80	18.74	17.73	16.74
240.0	25.39	24.25	23.12	22.01	20.91	19.86	18.81	17.76	16.74
270.0	23.88	22.84	21.80	20.78	19.77	18.77	17.80	16.86	15.94
300.0	25.39	24.25	23.12	22.01	20.91	19.86	18.81	17.76	16.74
330.0	25.30	24.19	23.07	21.96	20.88	19.80	18.74	17.73	16.74
360.0	23.81	22.78	21.74	20.74	19.75	18.75	17.80	16.84	15.91

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	15.00	14.13	13.29	12.46	11.63	10.87	10.09	9.34	8.57
30.0	15.76	14.81	13.88	12.98	12.12	11.32	10.49	9.70	8.93
60.0	15.77	14.82	13.88	12.98	12.12	11.29	10.47	9.69	8.92
90.0	15.02	14.13	13.27	12.42	11.60	10.82	10.07	9.33	8.62
120.0	15.77	14.82	13.88	12.98	12.12	11.29	10.47	9.69	8.92
150.0	15.76	14.81	13.88	12.98	12.12	11.32	10.49	9.70	8.93
180.0	15.00	14.13	13.29	12.46	11.63	10.87	10.09	9.34	8.57
210.0	15.76	14.81	13.88	12.98	12.12	11.32	10.49	9.70	8.93
240.0	15.77	14.82	13.88	12.98	12.12	11.29	10.47	9.69	8.92
270.0	15.02	14.13	13.27	12.42	11.60	10.82	10.07	9.33	8.62
300.0	15.77	14.82	13.88	12.98	12.12	11.29	10.47	9.69	8.92
330.0	15.76	14.81	13.88	12.98	12.12	11.32	10.49	9.70	8.93
360.0	15.00	14.13	13.29	12.46	11.63	10.87	10.09	9.34	8.57

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	7.80	7.05	6.35	5.71	5.09	4.49	3.99	3.52	3.09
30.0	8.20	7.48	6.75	6.02	5.33	4.69	4.08	3.52	3.02
60.0	8.20	7.50	6.83	6.19	5.58	5.00	4.44	3.90	3.41
90.0	7.93	7.27	6.62	6.02	5.43	4.88	4.33	3.82	3.34
120.0	8.20	7.50	6.83	6.19	5.58	5.00	4.44	3.90	3.41
150.0	8.20	7.48	6.75	6.02	5.33	4.69	4.08	3.52	3.02
180.0	7.80	7.05	6.35	5.71	5.09	4.49	3.99	3.52	3.09
210.0	8.20	7.48	6.75	6.02	5.33	4.69	4.08	3.52	3.02
240.0	8.20	7.50	6.83	6.19	5.58	5.00	4.44	3.90	3.41
270.0	7.93	7.27	6.62	6.02	5.43	4.88	4.33	3.82	3.34
300.0	8.20	7.50	6.83	6.19	5.58	5.00	4.44	3.90	3.41
330.0	8.20	7.48	6.75	6.02	5.33	4.69	4.08	3.52	3.02
360.0	7.80	7.05	6.35	5.71	5.09	4.49	3.99	3.52	3.09

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	2.68	2.28	1.92	1.57	1.24	0.91	0.55	0.29	0.16
30.0	2.56	2.14	1.77	1.44	1.14	0.86	0.57	0.27	0.10
60.0	2.90	2.40	1.97	1.53	1.11	0.76	0.48	0.25	0.10
90.0	2.89	2.46	2.08	1.69	1.33	0.98	0.65	0.34	0.10
120.0	2.90	2.40	1.97	1.53	1.11	0.76	0.48	0.25	0.10
150.0	2.56	2.14	1.77	1.44	1.14	0.86	0.57	0.27	0.10
180.0	2.68	2.28	1.92	1.57	1.24	0.91	0.55	0.29	0.16
210.0	2.56	2.14	1.77	1.44	1.14	0.86	0.57	0.27	0.10
240.0	2.90	2.40	1.97	1.53	1.11	0.76	0.48	0.25	0.10
270.0	2.89	2.46	2.08	1.69	1.33	0.98	0.65	0.34	0.10
300.0	2.90	2.40	1.97	1.53	1.11	0.76	0.48	0.25	0.10
330.0	2.56	2.14	1.77	1.44	1.14	0.86	0.57	0.27	0.10
360.0	2.68	2.28	1.92	1.57	1.24	0.91	0.55	0.29	0.16

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	0.09
30.0	0.05
60.0	0.04
90.0	0.02
120.0	0.04
150.0	0.05
180.0	0.09
210.0	0.05
240.0	0.04
270.0	0.02
300.0	0.04
330.0	0.05
360.0	0.09