

Report No	:		Voltage	:	V
Test No	:	A2401351A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	25.000 W
Luminaire	:	0028320197 25W 4000K 3500lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3500.0 lm	Width	:	595 mm
Number of Lamps	:	1	Length	:	595 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3500.00	Central intensity(cd)	:	2149.036
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2249.285
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	2149.036	0.000	0	0.00%	0.00%
0.5	2149.482	0.514	0.514	0.01%	0.01%
1.0	2149.148	1.543	2.057	0.04%	0.06%
1.5	2148.541	2.570	4.627	0.07%	0.13%
2.0	2147.803	3.597	8.224	0.10%	0.23%
2.5	2147.246	4.623	12.847	0.13%	0.37%
3.0	2146.820	5.648	18.495	0.16%	0.53%
3.5	2146.068	6.672	25.167	0.19%	0.72%
4.0	2145.427	7.695	32.862	0.22%	0.94%
4.5	2144.619	8.716	41.579	0.25%	1.19%
5.0	2143.978	9.736	51.315	0.28%	1.47%
5.5	2144.082	10.757	62.071	0.31%	1.77%
6.0	2144.138	11.778	73.85	0.34%	2.11%
6.5	2145.009	12.802	86.651	0.37%	2.48%
7.0	2146.166	13.828	100.479	0.40%	2.87%
7.5	2147.643	14.856	115.335	0.42%	3.30%
8.0	2149.385	15.886	131.221	0.45%	3.75%
8.5	2151.496	16.919	148.14	0.48%	4.23%
9.0	2153.809	17.955	166.096	0.51%	4.75%
9.5	2156.080	18.993	185.089	0.54%	5.29%
10.0	2158.240	20.031	205.119	0.57%	5.86%
10.5	2160.623	21.069	226.188	0.60%	6.46%
11.0	2163.403	22.112	248.3	0.63%	7.09%
11.5	2165.800	23.155	271.455	0.66%	7.76%
12.0	2168.281	24.197	295.652	0.69%	8.45%
12.5	2170.587	25.239	320.891	0.72%	9.17%
13.0	2172.726	26.279	347.17	0.75%	9.92%
13.5	2174.628	27.317	374.487	0.78%	10.70%
14.0	2176.447	28.353	402.84	0.81%	11.51%
14.5	2177.791	29.384	432.224	0.84%	12.35%
15.0	2178.592	30.408	462.632	0.87%	13.22%
15.5	2179.331	31.426	494.057	0.90%	14.12%
16.0	2179.902	32.440	526.497	0.93%	15.04%
16.5	2180.237	33.449	559.947	0.96%	16.00%
17.0	2180.334	34.453	594.4	0.98%	16.98%
17.5	2179.819	35.447	629.847	1.01%	18.00%
18.0	2178.502	36.427	666.274	1.04%	19.04%
18.5	2177.206	37.396	703.67	1.07%	20.10%

Equipment: GMS1800
Temperature($^{\circ}$ 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	2175.652	38.359	742.029	1.10%	21.20%
19.5	2173.130	39.307	781.336	1.12%	22.32%
20.0	2170.587	40.241	821.577	1.15%	23.47%
20.5	2167.375	41.163	862.74	1.18%	24.65%
21.0	2163.919	42.070	904.81	1.20%	25.85%
21.5	2160.365	42.968	947.778	1.23%	27.08%
22.0	2156.032	43.850	991.628	1.25%	28.33%
22.5	2151.579	44.717	1036.345	1.28%	29.61%
23.0	2146.270	45.565	1081.91	1.30%	30.91%
23.5	2140.647	46.393	1128.303	1.33%	32.24%
24.0	2134.293	47.202	1175.505	1.35%	33.59%
24.5	2127.555	47.989	1223.494	1.37%	34.96%
25.0	2119.529	48.747	1272.241	1.39%	36.35%
25.5	2110.597	49.470	1321.71	1.41%	37.76%
26.0	2101.072	50.163	1371.874	1.43%	39.20%
26.5	2090.335	50.823	1422.697	1.45%	40.65%
27.0	2078.790	51.446	1474.142	1.47%	42.12%
27.5	2065.914	52.028	1526.17	1.49%	43.60%
28.0	2051.317	52.557	1578.727	1.50%	45.11%
28.5	2035.849	53.036	1631.763	1.52%	46.62%
29.0	2018.472	53.462	1685.225	1.53%	48.15%
29.5	1999.555	53.825	1739.05	1.54%	49.69%
30.0	1977.976	54.110	1793.16	1.55%	51.23%
30.5	1955.179	54.322	1847.482	1.55%	52.79%
31.0	1930.096	54.461	1901.943	1.56%	54.34%
31.5	1902.678	54.511	1956.454	1.56%	55.90%
32.0	1872.864	54.468	2010.922	1.56%	57.45%
32.5	1840.737	54.327	2065.249	1.55%	59.01%
33.0	1806.478	54.092	2119.341	1.55%	60.55%
33.5	1769.703	53.756	2173.098	1.54%	62.09%
34.0	1730.894	53.318	2226.416	1.52%	63.61%
34.5	1690.037	52.783	2279.2	1.51%	65.12%
35.0	1646.615	52.141	2331.34	1.49%	66.61%
35.5	1601.500	51.394	2382.734	1.47%	68.08%
36.0	1554.992	50.559	2433.294	1.44%	69.52%
36.5	1507.118	49.640	2482.933	1.42%	70.94%
37.0	1457.586	48.631	2531.565	1.39%	72.33%
37.5	1407.343	47.542	2579.106	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	1357.581	46.407	2625.514	1.33%	75.01%
38.5	1305.910	45.207	2670.72	1.29%	76.31%
39.0	1254.524	43.937	2714.657	1.26%	77.56%
39.5	1202.477	42.619	2757.276	1.22%	78.78%
40.0	1150.813	41.254	2798.531	1.18%	79.96%
40.5	1100.354	39.877	2838.407	1.14%	81.10%
41.0	1050.397	38.489	2876.897	1.10%	82.20%
41.5	999.840	37.061	2913.957	1.06%	83.26%
42.0	950.846	35.611	2949.568	1.02%	84.27%
42.5	902.309	34.160	2983.728	0.98%	85.25%
43.0	853.831	32.681	3016.409	0.93%	86.18%
43.5	805.264	31.165	3047.574	0.89%	87.07%
44.0	757.181	29.621	3077.195	0.85%	87.92%
44.5	709.344	28.055	3105.25	0.80%	88.72%
45.0	663.319	26.494	3131.744	0.76%	89.48%
45.5	618.812	24.963	3156.707	0.71%	90.19%
46.0	576.460	23.472	3180.18	0.67%	90.86%
46.5	537.201	22.055	3202.234	0.63%	91.49%
47.0	498.670	20.685	3222.919	0.59%	92.08%
47.5	462.029	19.341	3242.26	0.55%	92.64%
48.0	426.037	18.022	3260.282	0.51%	93.15%
48.5	390.329	16.698	3276.98	0.48%	93.63%
49.0	356.241	15.388	3292.368	0.44%	94.07%
49.5	324.176	14.132	3306.499	0.40%	94.47%
50.0	295.204	12.960	3319.46	0.37%	94.84%
50.5	268.760	11.887	3331.347	0.34%	95.18%
51.0	245.108	10.910	3342.256	0.31%	95.49%
51.5	224.326	10.037	3352.293	0.29%	95.78%
52.0	206.094	9.267	3361.56	0.26%	96.04%
52.5	189.765	8.581	3370.141	0.25%	96.29%
53.0	174.622	7.952	3378.093	0.23%	96.52%
53.5	160.409	7.360	3385.453	0.21%	96.73%
54.0	147.262	6.802	3392.255	0.19%	96.92%
54.5	134.980	6.280	3398.535	0.18%	97.10%
55.0	123.475	5.786	3404.321	0.17%	97.27%
55.5	112.718	5.320	3409.642	0.15%	97.42%
56.0	102.819	4.884	3414.526	0.14%	97.56%
56.5	93.866	4.483	3419.01	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	85.760	4.118	3423.128	0.12%	97.80%
57.5	78.463	3.787	3426.915	0.11%	97.91%
58.0	72.218	3.494	3430.408	0.10%	98.01%
58.5	66.916	3.244	3433.652	0.09%	98.10%
59.0	62.396	3.031	3436.683	0.09%	98.19%
59.5	58.481	2.848	3439.531	0.08%	98.27%
60.0	55.113	2.690	3442.221	0.08%	98.35%
60.5	52.266	2.556	3444.777	0.07%	98.42%
61.0	49.681	2.439	3447.215	0.07%	98.49%
61.5	47.349	2.332	3449.548	0.07%	98.56%
62.0	45.240	2.236	3451.784	0.06%	98.62%
62.5	43.277	2.148	3453.931	0.06%	98.68%
63.0	41.436	2.065	3455.996	0.06%	98.74%
63.5	39.709	1.987	3457.982	0.06%	98.80%
64.0	38.091	1.913	3459.895	0.05%	98.85%
64.5	36.603	1.844	3461.74	0.05%	98.91%
65.0	35.281	1.782	3463.522	0.05%	98.96%
65.5	34.128	1.728	3465.25	0.05%	99.01%
66.0	33.107	1.681	3466.931	0.05%	99.06%
66.5	32.138	1.637	3468.568	0.05%	99.10%
67.0	31.220	1.596	3470.164	0.05%	99.15%
67.5	30.315	1.556	3471.72	0.04%	99.19%
68.0	29.410	1.515	3473.235	0.04%	99.24%
68.5	28.507	1.475	3474.71	0.04%	99.28%
69.0	27.599	1.434	3476.144	0.04%	99.32%
69.5	26.678	1.391	3477.535	0.04%	99.36%
70.0	25.753	1.349	3478.884	0.04%	99.40%
70.5	24.844	1.306	3480.189	0.04%	99.43%
71.0	23.908	1.262	3481.451	0.04%	99.47%
71.5	22.937	1.216	3482.667	0.03%	99.50%
72.0	21.967	1.169	3483.836	0.03%	99.54%
72.5	21.001	1.122	3484.958	0.03%	99.57%
73.0	20.034	1.074	3486.033	0.03%	99.60%
73.5	19.088	1.027	3487.06	0.03%	99.63%
74.0	18.154	0.980	3488.04	0.03%	99.66%
74.5	17.235	0.934	3488.974	0.03%	99.68%
75.0	16.326	0.888	3489.861	0.03%	99.71%
75.5	15.448	0.842	3490.704	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

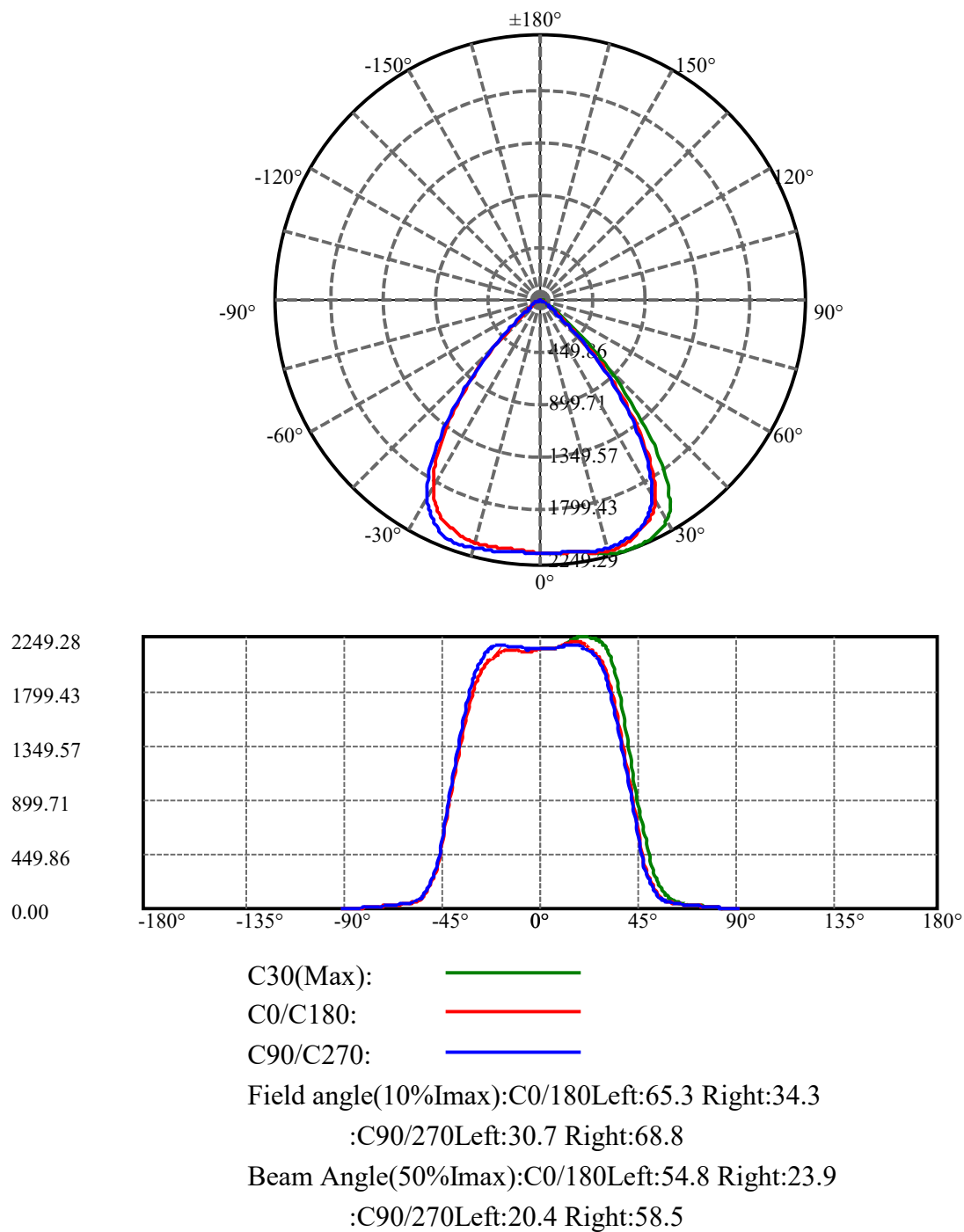
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.589	0.798	3491.502	0.02%	99.76%
76.5	13.749	0.755	3492.257	0.02%	99.78%
77.0	12.927	0.712	3492.968	0.02%	99.80%
77.5	12.121	0.670	3493.638	0.02%	99.82%
78.0	11.350	0.629	3494.267	0.02%	99.84%
78.5	10.604	0.589	3494.856	0.02%	99.85%
79.0	9.882	0.551	3495.407	0.02%	99.87%
79.5	9.176	0.513	3495.92	0.01%	99.88%
80.0	8.487	0.477	3496.397	0.01%	99.90%
80.5	7.822	0.441	3496.838	0.01%	99.91%
81.0	7.180	0.406	3497.244	0.01%	99.92%
81.5	6.555	0.372	3497.616	0.01%	99.93%
82.0	5.948	0.339	3497.955	0.01%	99.94%
82.5	5.364	0.307	3498.262	0.01%	99.95%
83.0	4.800	0.276	3498.539	0.01%	99.96%
83.5	4.263	0.247	3498.785	0.01%	99.97%
84.0	3.757	0.219	3499.004	0.01%	99.97%
84.5	3.284	0.192	3499.196	0.01%	99.98%
85.0	2.852	0.167	3499.364	0.00%	99.98%
85.5	2.444	0.145	3499.508	0.00%	99.99%
86.0	2.044	0.123	3499.631	0.00%	99.99%
86.5	1.694	0.102	3499.733	0.00%	99.99%
87.0	1.361	0.084	3499.817	0.00%	99.99%
87.5	1.045	0.066	3499.883	0.00%	100.00%
88.0	0.756	0.049	3499.932	0.00%	100.00%
88.5	0.491	0.034	3499.966	0.00%	100.00%
89.0	0.250	0.020	3499.986	0.00%	100.00%
89.5	0.098	0.010	3499.996	0.00%	100.00%
90.0	0.045	0.004	3500	0.00%	100.00%

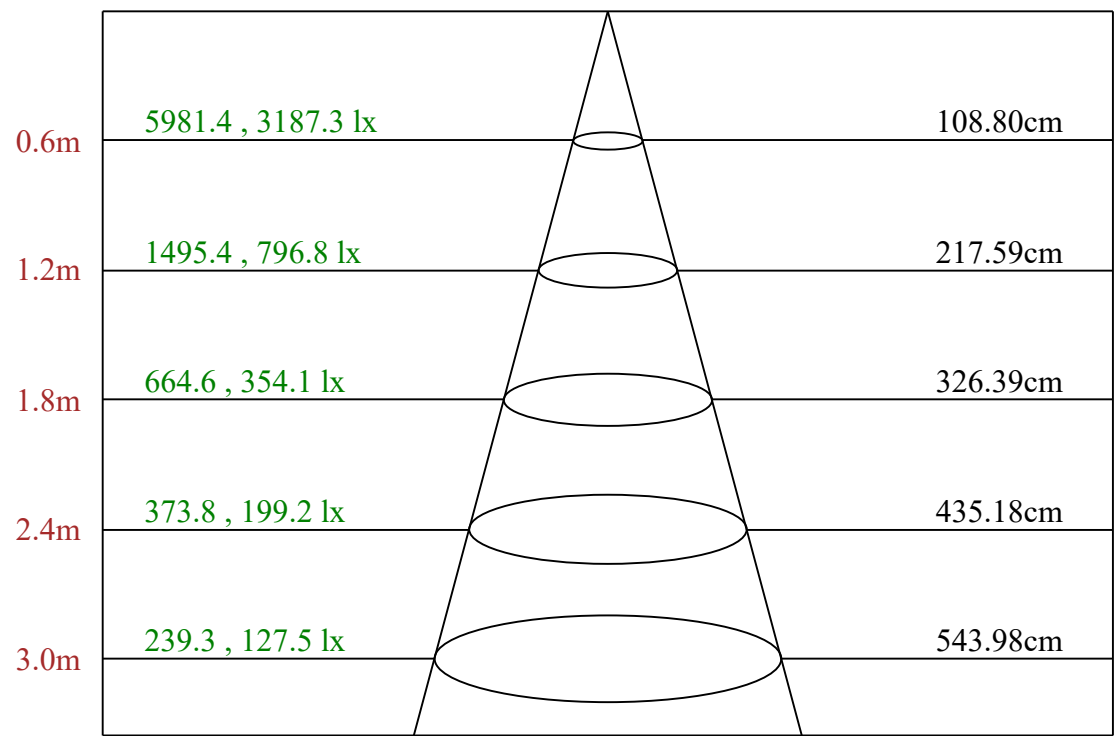
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1793.16	51.23%	51.23%
0-40	2798.53	79.96%	79.96%
0-60	3442.22	98.35%	98.35%
0-90	3500.00	100.00%	100.00%
0-120	3500.00	100.00%	100.00%
0-180	3500.00	100.00%	100.00%
60-90	57.78	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	2800.00	80.00%	80.00%

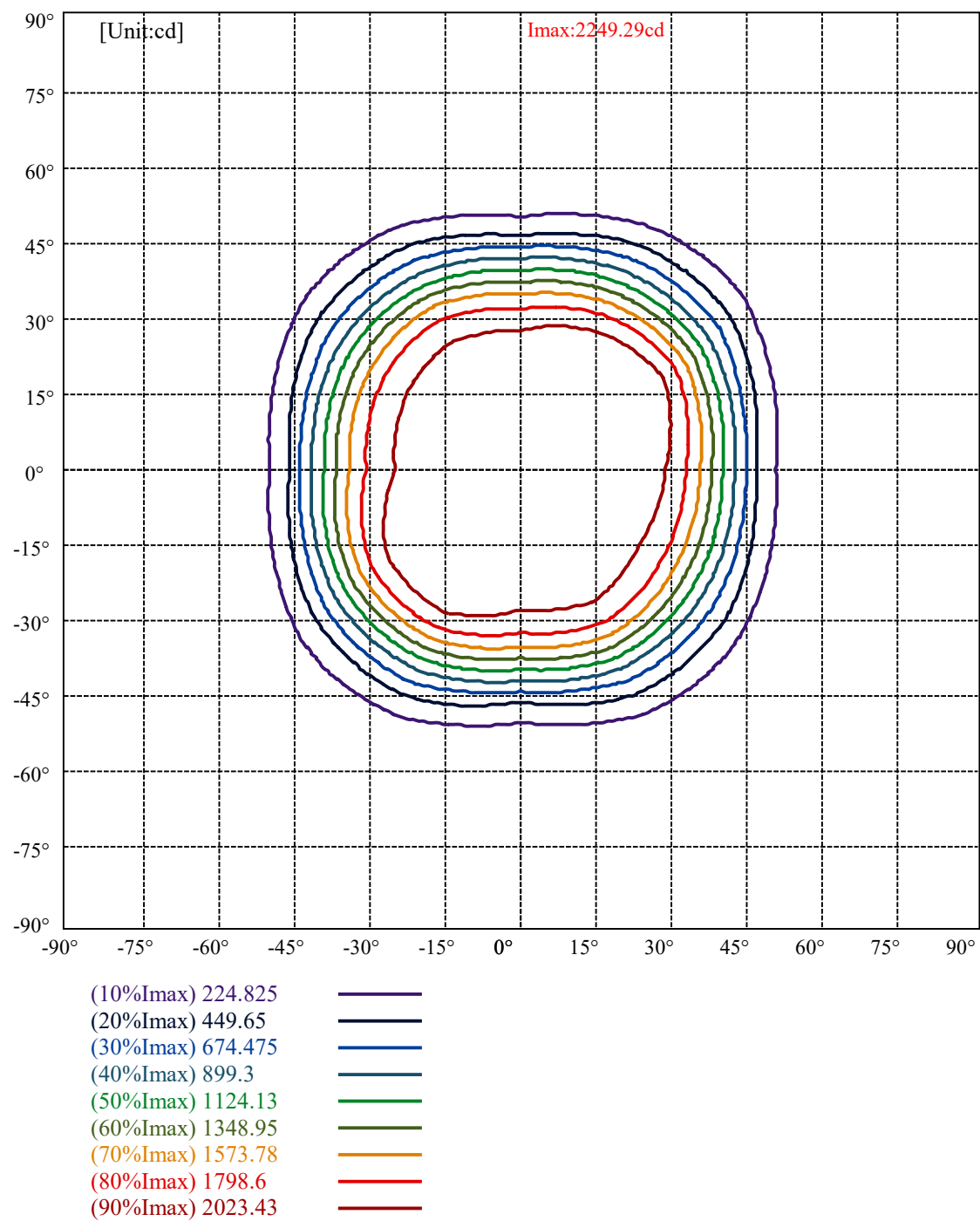
ZONAL LUMEN SUMMARY

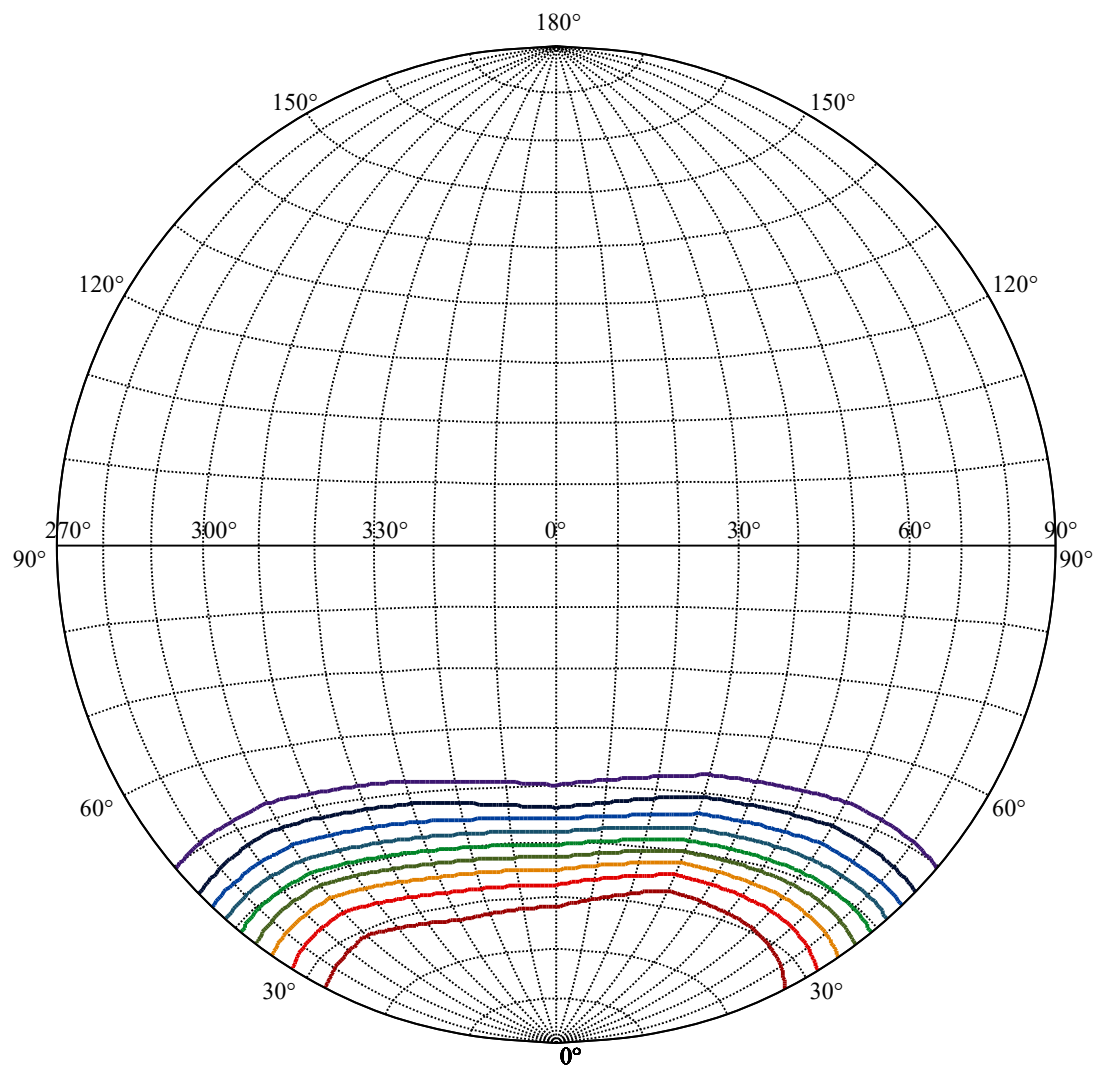
0-10	205.12
10-20	616.46
20-30	971.58
30-40	1005.37
40-50	520.93
50-60	122.76
60-70	36.66
70-80	17.51
80-90	3.60
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C30 plane 84.39



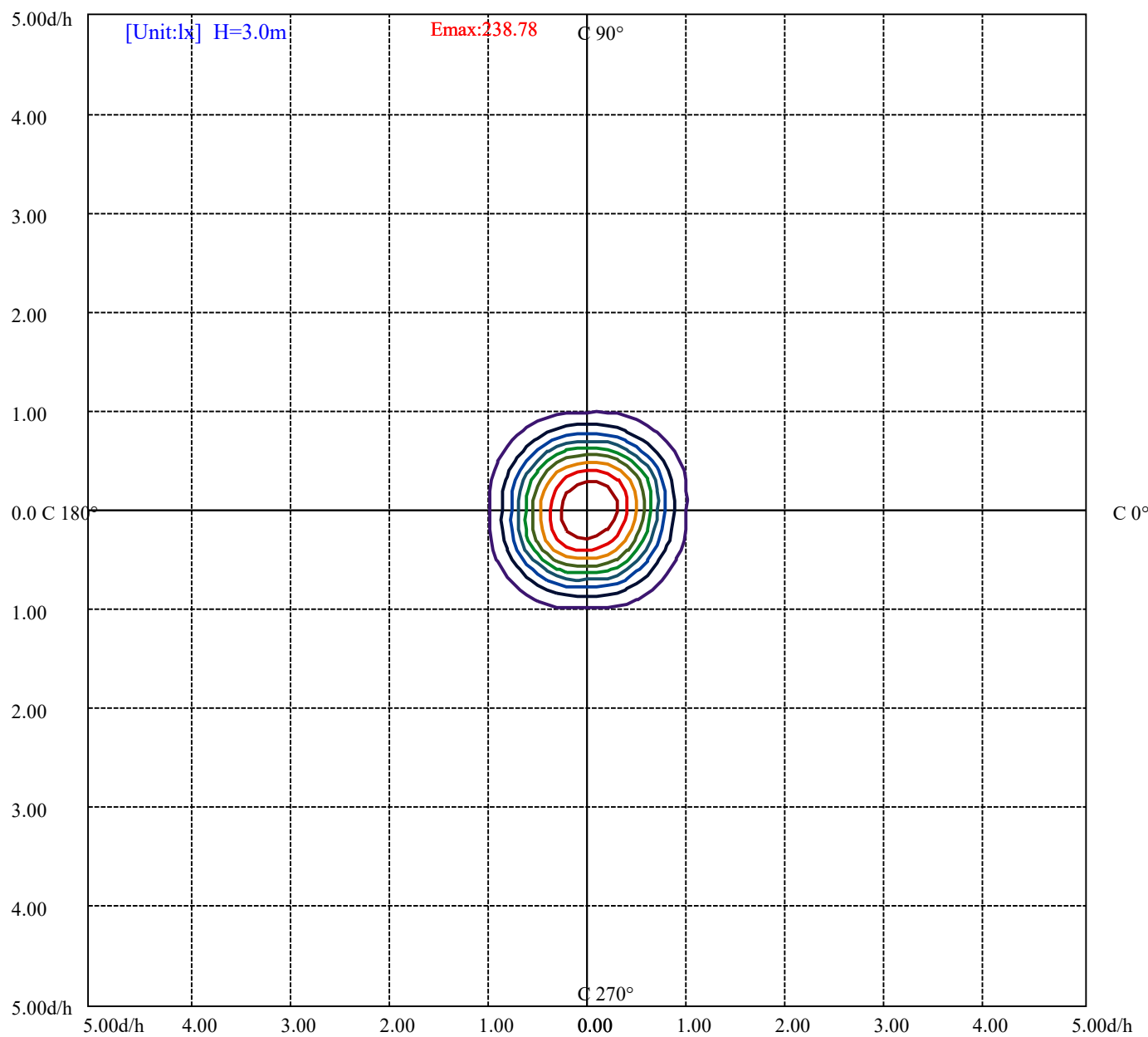


House

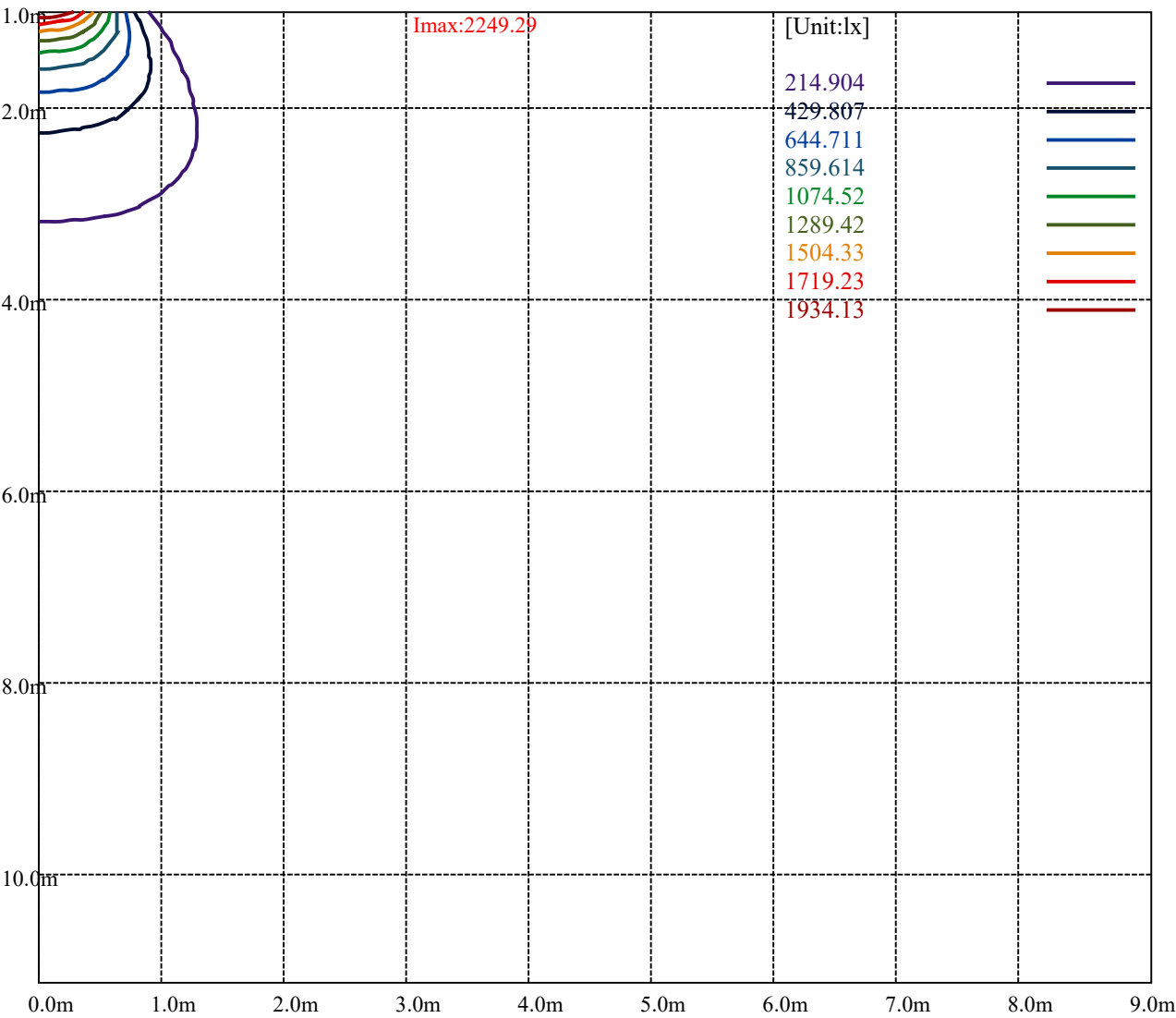
[Unit:cd]

Road

	Imax:2249.29	
(10%Imax)	224.928	
(20%Imax)	449.857	
(30%Imax)	674.785	
(40%Imax)	899.714	
(50%Imax)	1124.64	
(60%Imax)	1349.57	
(70%Imax)	1574.5	
(80%Imax)	1799.43	
(90%Imax)	2024.36	



(10%Emax)	23.87822	—
(20%Emax)	47.75633	—
(30%Emax)	71.63455	—
(40%Emax)	95.51266	—
(50%Emax)	119.3911	—
(60%Emax)	143.2689	—
(70%Emax)	167.1478	—
(80%Emax)	191.0256	—
(90%Emax)	214.9033	—



Luminance Limiting Curve(no luminous side)

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Luminance Table

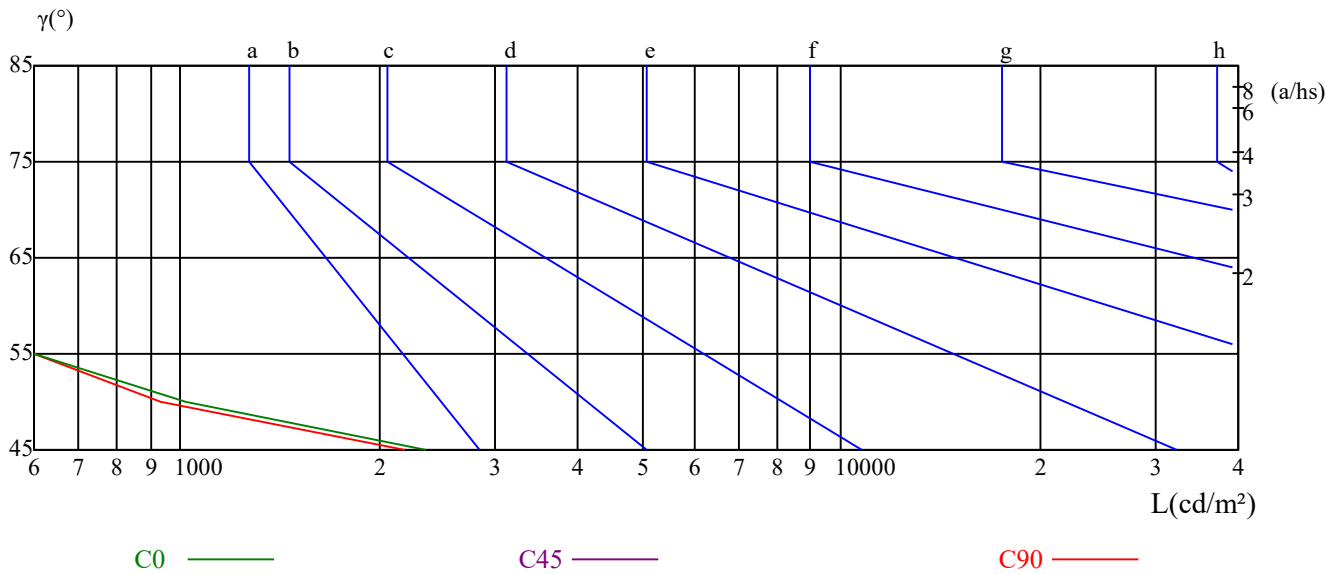
γ	45	50	55	60	65	70	75	80	85
C0	2353	1016	410	268	232	217	186	150	108
C45	0	0	0	0	0	0	0	0	0
C90	2192	932	384	261	228	211	178	142	105

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
223	224	0	172	172	0	89	96	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	13.02	14.17	13.38	14.48	14.80	12.58	13.73	12.94	14.04	14.35
	3H	12.89	13.91	13.28	14.25	14.59	12.45	13.47	12.84	13.81	14.15
	4H	12.83	13.77	13.22	14.12	14.49	12.39	13.33	12.78	13.68	14.05
	6H	12.77	13.63	13.18	14.00	14.40	12.33	13.19	12.74	13.56	13.96
	8H	12.70	13.52	13.12	13.91	14.31	12.26	13.09	12.68	13.47	13.88
	12H	12.64	13.42	13.06	13.81	14.23	12.20	12.98	12.62	13.37	13.79
4H	2H	12.80	13.74	13.20	14.10	14.46	12.37	13.31	12.77	13.66	14.03
	3H	12.67	13.44	13.09	13.84	14.25	12.24	13.02	12.66	13.41	13.82
	4H	12.64	13.31	13.08	13.73	14.18	12.22	12.89	12.65	13.31	13.76
	6H	12.54	13.13	13.01	13.58	14.03	12.11	12.71	12.59	13.16	13.61
	8H	12.49	13.04	12.98	13.50	13.97	12.07	12.62	12.55	13.08	13.55
	12H	12.45	12.96	12.94	13.41	13.93	12.03	12.54	12.51	12.99	13.50
8H	4H	12.47	13.02	12.96	13.48	13.95	12.05	12.60	12.53	13.06	13.53
	6H	12.36	12.82	12.87	13.30	13.81	11.94	12.40	12.45	12.88	13.39
	8H	12.36	12.75	12.89	13.27	13.77	11.94	12.34	12.47	12.85	13.35
	12H	12.32	12.63	12.86	13.15	13.67	11.90	12.22	12.44	12.73	13.25
12H	4H	12.43	12.94	12.91	13.39	13.90	12.01	12.51	12.49	12.96	13.48
	6H	12.35	12.74	12.88	13.26	13.76	11.93	12.32	12.46	12.84	13.34
	8H	12.31	12.63	12.85	13.15	13.66	11.90	12.21	12.43	12.73	13.25
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		-6.2					-5.8				

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	2149.04	2147.53	2148.62	2149.62	2150.29	2150.88	2149.71	2148.54	2150.04
30.0	2149.04	2147.62	2149.71	2151.63	2154.39	2155.56	2156.23	2156.14	2155.47
60.0	2149.04	2152.46	2153.38	2153.89	2155.22	2156.14	2157.56	2157.48	2156.98
90.0	2149.04	2151.54	2151.21	2150.96	2150.46	2149.96	2149.87	2149.04	2149.46
120.0	2149.04	2151.80	2150.71	2149.12	2146.19	2144.35	2143.43	2143.18	2140.68
150.0	2149.04	2149.46	2147.95	2145.27	2142.68	2140.84	2139.25	2137.58	2136.49
180.0	2149.04	2143.43	2142.18	2139.17	2137.33	2135.41	2133.99	2132.23	2130.22
210.0	2149.04	2142.10	2140.43	2139.09	2137.58	2135.16	2134.74	2133.23	2131.81
240.0	2149.04	2149.04	2147.78	2147.53	2146.03	2146.03	2144.86	2142.93	2141.01
270.0	2149.04	2151.96	2151.21	2149.46	2147.78	2147.78	2147.03	2146.70	2145.94
300.0	2149.04	2153.55	2153.80	2153.80	2153.38	2152.72	2152.21	2151.96	2152.88
330.0	2149.04	2153.30	2152.80	2152.97	2152.30	2152.13	2152.97	2153.80	2154.14
360.0	2149.04	2147.53	2148.62	2149.62	2150.29	2150.88	2149.71	2148.54	2150.04
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2150.96	2151.13	2152.72	2153.97	2154.89	2155.98	2158.65	2161.58	2164.25
30.0	2154.47	2153.47	2152.38	2151.96	2153.05	2154.14	2155.81	2157.65	2160.66
60.0	2156.56	2155.06	2154.72	2154.72	2154.56	2155.73	2157.98	2163.17	2168.77
90.0	2149.29	2149.46	2149.79	2149.29	2150.04	2151.46	2153.55	2155.98	2158.82
120.0	2137.92	2134.82	2133.40	2131.81	2131.06	2130.56	2130.22	2130.48	2130.73
150.0	2135.07	2132.82	2131.06	2130.14	2130.39	2131.56	2131.06	2132.06	2133.15
180.0	2128.13	2126.63	2126.21	2126.13	2126.55	2126.04	2126.04	2125.71	2125.96
210.0	2130.56	2131.06	2131.06	2130.22	2130.64	2132.15	2133.23	2135.99	2137.75
240.0	2139.92	2140.84	2142.60	2144.19	2145.86	2148.28	2151.21	2153.55	2157.73
270.0	2145.36	2144.69	2144.44	2143.60	2146.11	2149.20	2152.63	2155.64	2158.65
300.0	2151.80	2151.29	2151.04	2151.38	2153.55	2155.89	2158.65	2159.49	2160.91
330.0	2155.39	2156.48	2159.57	2162.25	2163.42	2163.00	2162.67	2161.33	2160.58
360.0	2150.96	2151.13	2152.72	2153.97	2154.89	2155.98	2158.65	2161.58	2164.25
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	2167.26	2170.19	2174.54	2178.22	2183.65	2188.00	2190.34	2194.27	2197.45
30.0	2164.00	2168.02	2172.20	2176.38	2181.31	2187.16	2192.85	2198.53	2204.39
60.0	2174.79	2181.64	2189.00	2196.19	2203.38	2210.32	2216.01	2221.53	2224.62
90.0	2162.92	2165.84	2168.18	2170.44	2172.87	2175.62	2179.14	2181.14	2181.06
120.0	2132.23	2134.07	2135.83	2137.50	2140.59	2144.10	2147.95	2153.30	2157.73
150.0	2134.07	2134.91	2136.49	2137.16	2137.41	2137.08	2138.42	2137.58	2136.83
180.0	2128.22	2129.64	2130.64	2130.98	2131.31	2131.56	2133.49	2135.07	2135.91
210.0	2138.50	2140.09	2141.85	2144.86	2146.95	2149.71	2153.80	2157.31	2161.91
240.0	2160.99	2164.84	2167.77	2171.03	2173.53	2174.96	2175.54	2175.54	2176.63
270.0	2161.16	2162.83	2163.08	2164.34	2166.43	2166.51	2166.26	2166.01	2166.93
300.0	2162.58	2163.08	2163.00	2163.25	2162.92	2162.67	2162.75	2162.67	2163.00
330.0	2158.99	2157.82	2156.31	2157.15	2160.49	2161.91	2162.83	2164.09	2166.26
360.0	2167.26	2170.19	2174.54	2178.22	2183.65	2188.00	2190.34	2194.27	2197.45
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	2200.21	2202.46	2203.80	2204.89	2205.47	2206.73	2206.56	2205.22	2204.14
30.0	2209.82	2215.76	2220.02	2224.37	2228.88	2234.32	2238.92	2243.18	2245.36
60.0	2227.71	2230.64	2232.40	2232.48	2233.48	2234.49	2234.49	2235.15	2234.90
90.0	2180.89	2179.97	2181.06	2180.72	2180.14	2179.05	2177.88	2175.71	2173.53
120.0	2160.83	2163.33	2165.42	2166.68	2166.85	2166.43	2166.26	2165.59	2162.92
150.0	2134.57	2133.23	2131.65	2130.39	2128.22	2125.12	2122.62	2119.44	2117.01
180.0	2136.33	2137.16	2136.16	2134.91	2133.07	2130.73	2127.63	2124.87	2120.78
210.0	2166.18	2170.61	2173.95	2175.46	2179.14	2181.90	2183.07	2184.24	2184.57
240.0	2178.63	2179.97	2182.15	2184.49	2187.41	2190.76	2194.86	2198.62	2201.88
270.0	2167.77	2169.19	2171.19	2173.20	2175.62	2178.63	2180.81	2183.57	2185.07
300.0	2165.01	2167.01	2167.68	2167.26	2166.09	2164.92	2164.67	2163.42	2160.99
330.0	2167.60	2168.02	2168.02	2168.27	2167.60	2165.76	2165.09	2165.01	2166.68
360.0	2200.21	2202.46	2203.80	2204.89	2205.47	2206.73	2206.56	2205.22	2204.14

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	2201.04	2197.95	2195.19	2190.76	2186.49	2181.56	2173.62	2165.51	2158.23
30.0	2246.94	2248.12	2249.29	2249.20	2248.70	2246.78	2245.94	2245.61	2244.19
60.0	2234.24	2232.56	2230.81	2227.97	2227.05	2225.79	2225.21	2222.53	2220.94
90.0	2168.85	2165.17	2161.83	2158.32	2154.39	2149.79	2145.11	2141.18	2136.24
120.0	2159.82	2156.48	2152.63	2147.87	2143.43	2137.16	2131.81	2126.55	2120.53
150.0	2114.00	2111.91	2109.91	2107.40	2104.56	2101.13	2097.37	2093.18	2089.51
180.0	2114.92	2109.82	2102.97	2096.03	2090.09	2084.24	2079.31	2073.62	2067.27
210.0	2183.40	2182.31	2180.56	2178.05	2175.54	2172.28	2169.27	2168.18	2167.01
240.0	2204.72	2208.40	2210.91	2211.41	2213.00	2215.26	2216.76	2218.60	2219.02
270.0	2185.99	2185.99	2186.16	2184.07	2180.98	2177.46	2173.03	2169.77	2163.84
300.0	2160.83	2160.16	2159.99	2159.49	2157.48	2153.97	2150.96	2147.03	2141.09
330.0	2167.26	2167.60	2167.60	2167.01	2165.34	2163.08	2158.65	2152.63	2144.52
360.0	2201.04	2197.95	2195.19	2190.76	2186.49	2181.56	2173.62	2165.51	2158.23

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	2148.45	2138.84	2130.98	2124.12	2115.43	2105.64	2096.95	2087.67	2076.80
30.0	2242.85	2242.18	2240.09	2236.58	2233.82	2229.47	2223.95	2220.19	2215.01
60.0	2218.85	2215.17	2210.32	2206.73	2201.96	2196.28	2190.51	2182.48	2174.12
90.0	2131.48	2124.37	2117.35	2109.07	2098.70	2087.58	2076.05	2062.42	2048.37
120.0	2113.67	2106.98	2101.30	2095.86	2090.68	2084.82	2078.05	2070.78	2061.08
150.0	2086.33	2081.48	2077.22	2071.61	2064.92	2056.40	2046.70	2036.33	2026.46
180.0	2062.17	2055.81	2047.28	2039.17	2029.14	2016.60	2002.47	1987.08	1971.28
210.0	2165.17	2164.76	2164.00	2161.58	2160.41	2157.90	2153.47	2148.70	2141.60
240.0	2219.77	2218.43	2215.76	2213.50	2209.24	2202.97	2195.86	2188.25	2179.81
270.0	2157.23	2148.87	2138.92	2127.21	2117.35	2104.64	2090.01	2074.46	2058.82
300.0	2135.58	2130.81	2125.71	2118.69	2113.17	2105.48	2099.79	2094.69	2085.33
330.0	2137.41	2127.55	2118.85	2107.40	2095.86	2086.58	2073.37	2059.82	2045.36
360.0	2148.45	2138.84	2130.98	2124.12	2115.43	2105.64	2096.95	2087.67	2076.80

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	2065.26	2052.22	2037.75	2019.44	1997.87	1975.80	1949.71	1924.04	1893.94
30.0	2209.15	2202.05	2194.77	2184.99	2175.04	2164.25	2150.12	2134.41	2118.60
60.0	2162.92	2149.12	2132.48	2117.10	2098.62	2079.31	2057.07	2031.98	2006.06
90.0	2032.90	2016.85	1997.45	1977.47	1953.56	1928.05	1900.63	1871.70	1839.34
120.0	2052.30	2042.85	2031.31	2019.02	2004.06	1988.76	1968.10	1947.12	1923.87
150.0	2013.92	1998.29	1981.82	1964.84	1946.87	1925.55	1901.97	1878.22	1850.72
180.0	1953.31	1933.99	1914.01	1892.77	1870.28	1844.36	1818.36	1790.85	1762.17
210.0	2133.90	2124.79	2112.67	2101.46	2088.25	2073.79	2057.65	2036.58	2016.35
240.0	2170.02	2159.99	2147.78	2134.49	2120.19	2104.89	2086.33	2067.35	2045.86
270.0	2043.19	2024.21	2005.64	1984.99	1965.76	1944.19	1919.53	1894.78	1866.35
300.0	2077.22	2068.27	2057.65	2046.36	2032.07	2016.60	1998.04	1980.56	1958.82
330.0	2031.40	2018.35	2002.47	1987.25	1969.11	1949.12	1928.22	1904.56	1879.06
360.0	2065.26	2052.22	2037.75	2019.44	1997.87	1975.80	1949.71	1924.04	1893.94

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1862.67	1831.48	1793.27	1756.49	1717.94	1676.89	1633.24	1588.18	1540.86
30.0	2099.62	2076.46	2048.95	2017.94	1985.49	1950.21	1911.42	1870.11	1826.13
60.0	1977.72	1947.70	1914.43	1880.98	1843.11	1806.57	1767.36	1723.04	1676.97
90.0	1806.23	1769.19	1731.57	1692.86	1651.97	1611.34	1566.69	1522.79	1476.22
120.0	1898.37	1871.37	1839.68	1807.15	1772.54	1735.50	1696.45	1654.31	1609.67
150.0	1820.95	1790.85	1759.83	1726.97	1691.19	1653.06	1613.51	1571.87	1529.99
180.0	1730.32	1696.79	1662.93	1625.22	1585.59	1544.12	1503.31	1458.58	1412.60
210.0	1993.44	1966.10	1937.92	1906.98	1872.54	1834.83	1793.78	1754.14	1710.17
240.0	2020.03	1992.77	1962.75	1928.81	1891.52	1851.89	1812.25	1765.85	1720.03
270.0	1833.16	1797.12	1761.59	1723.21	1684.33	1640.94	1595.20	1548.21	1500.89
300.0	1935.58	1910.58	1881.40	1851.22	1816.77	1780.98	1742.86	1701.47	1656.74
330.0	1854.06	1823.96	1794.53	1759.91	1723.46	1684.41	1644.37	1600.80	1557.74
360.0	1862.67	1831.48	1793.27	1756.49	1717.94	1676.89	1633.24	1588.18	1540.86

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1492.44	1442.11	1392.70	1344.29	1292.70	1242.87	1191.62	1140.78	1089.03
30.0	1778.81	1729.73	1675.97	1622.79	1571.46	1511.17	1455.41	1397.55	1340.52
60.0	1631.07	1585.17	1535.09	1484.75	1433.83	1379.74	1325.98	1273.55	1222.30
90.0	1427.90	1382.25	1331.24	1283.08	1235.34	1185.59	1140.11	1089.94	1041.03
120.0	1564.35	1515.19	1466.61	1414.27	1363.43	1312.01	1259.51	1204.99	1150.65
150.0	1486.68	1441.86	1395.96	1347.97	1303.15	1256.33	1208.67	1160.93	1115.11
180.0	1366.86	1323.30	1274.47	1225.73	1179.41	1129.99	1083.67	1037.10	989.03
210.0	1663.68	1612.51	1561.26	1509.75	1458.08	1405.74	1350.31	1294.04	1237.68
240.0	1672.63	1623.21	1572.38	1518.53	1467.95	1413.35	1358.84	1306.58	1253.90
270.0	1449.64	1396.71	1345.71	1296.29	1242.45	1192.20	1140.11	1087.19	1035.77
300.0	1613.51	1565.94	1518.28	1467.36	1419.12	1366.03	1312.93	1260.68	1206.83
330.0	1512.34	1467.45	1421.38	1373.30	1324.05	1275.89	1227.15	1176.40	1127.90
360.0	1492.44	1442.11	1392.70	1344.29	1292.70	1242.87	1191.62	1140.78	1089.03

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1040.87	992.54	944.13	897.56	851.82	805.83	759.96	709.83	651.33
30.0	1283.92	1227.65	1170.38	1113.27	1059.51	1006.59	955.08	903.16	855.42
60.0	1168.96	1116.37	1064.78	1013.02	962.94	912.77	867.04	820.99	777.59
90.0	993.04	947.72	902.49	857.84	809.78	761.91	709.16	654.18	597.25
120.0	1101.57	1050.56	999.90	951.82	903.99	858.76	815.18	771.17	730.61
150.0	1068.54	1021.97	974.65	930.08	884.68	841.79	799.95	760.39	720.34
180.0	942.54	898.06	852.32	807.78	759.89	708.05	649.64	597.27	544.91
210.0	1183.42	1129.91	1072.64	1019.96	970.21	920.30	872.14	824.75	779.51
240.0	1199.47	1147.22	1092.95	1039.61	991.03	942.37	894.46	848.31	803.45
270.0	987.35	939.95	890.78	842.54	792.41	740.65	683.66	626.33	567.36
300.0	1153.66	1099.64	1047.47	996.47	945.63	896.22	849.06	804.06	759.91
330.0	1080.91	1033.17	985.60	940.20	895.80	850.74	807.84	765.76	724.45
360.0	1040.87	992.54	944.13	897.56	851.82	805.83	759.96	709.83	651.33

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	589.09	528.52	472.47	424.28	383.16	349.94	319.71	294.02	271.78
30.0	809.88	764.38	722.64	683.00	644.55	604.99	566.32	523.99	481.65
60.0	734.88	696.01	656.06	617.90	578.27	538.85	499.12	457.13	416.27
90.0	548.73	500.19	451.65	403.12	355.74	324.53	297.80	273.54	251.62
120.0	692.38	654.13	615.76	581.12	543.20	504.38	464.91	424.51	386.10
150.0	683.06	647.76	612.76	577.69	538.07	498.44	458.82	419.20	379.78
180.0	492.54	440.17	388.14	355.29	326.23	300.34	276.56	254.20	234.34
210.0	736.01	693.89	653.85	611.98	569.33	525.31	477.49	432.78	392.26
240.0	758.96	715.85	673.97	632.35	591.84	549.45	507.06	464.67	422.28
270.0	510.58	459.08	416.28	378.99	346.04	316.92	292.10	268.89	247.35
300.0	716.75	676.42	639.21	600.57	561.84	522.10	482.36	442.63	402.89
330.0	686.97	649.34	614.75	580.15	545.78	509.10	470.20	428.39	388.56
360.0	589.09	528.52	472.47	424.28	383.16	349.94	319.71	294.02	271.78

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	250.31	231.21	212.25	193.29	174.34	155.37	139.16	124.74	111.67
30.0	439.32	396.99	354.99	321.91	293.81	270.33	249.54	231.63	215.32
60.0	379.32	343.74	312.74	284.88	261.59	240.97	224.34	207.83	191.33
90.0	231.34	212.09	192.46	174.34	157.09	141.73	126.90	113.58	102.32
120.0	350.25	318.74	290.25	265.97	245.07	229.21	213.39	197.57	181.75
150.0	344.79	313.78	286.78	263.24	242.64	224.74	208.90	193.80	179.95
180.0	214.58	195.18	176.56	158.96	142.37	126.86	113.47	101.77	91.70
210.0	357.26	326.75	300.54	277.10	256.81	238.30	222.09	206.00	189.90
240.0	380.44	347.93	318.76	291.00	267.69	247.29	229.13	212.14	195.77
270.0	227.63	207.98	188.32	168.67	151.51	134.90	120.19	107.44	96.94
300.0	363.32	330.35	301.50	276.38	254.54	235.38	218.15	203.16	188.56
330.0	351.54	317.71	289.97	265.56	244.48	228.06	211.94	195.82	179.70
360.0	250.31	231.21	212.25	193.29	174.34	155.37	139.16	124.74	111.67

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	100.50	91.19	83.35	76.88	71.27	66.77	62.98	59.68	56.85
30.0	200.10	184.56	170.06	155.62	141.73	128.65	116.35	104.92	95.03
60.0	174.83	160.78	147.15	133.89	121.57	110.33	99.90	90.35	82.18
90.0	92.74	84.81	77.96	72.30	67.62	63.78	60.50	57.50	54.76
120.0	167.97	154.25	141.04	128.26	116.01	105.09	95.22	86.73	79.38
150.0	166.49	153.01	140.01	127.03	115.35	104.51	95.15	85.80	78.11
180.0	83.04	75.93	70.17	65.30	61.07	57.55	54.55	51.92	49.57
210.0	173.82	158.27	143.25	129.35	116.71	105.37	95.31	86.66	79.13
240.0	179.57	164.16	149.22	135.25	122.02	109.91	98.96	89.40	80.98
270.0	87.55	79.24	72.66	67.48	63.17	59.48	56.31	53.54	51.14
300.0	174.09	160.49	146.44	133.30	120.76	109.46	98.82	89.05	80.91
330.0	166.45	153.07	140.40	127.97	116.55	105.50	95.07	86.01	78.59
360.0	100.50	91.19	83.35	76.88	71.27	66.77	62.98	59.68	56.85

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	54.16	51.71	49.41	47.35	45.48	43.69	42.18	40.84	39.62
30.0	86.46	79.28	73.42	68.15	63.84	60.07	56.60	53.56	50.78
60.0	75.53	69.91	64.91	60.94	57.65	54.60	51.91	49.47	47.19
90.0	52.38	50.17	48.12	46.16	44.48	42.88	41.45	40.20	39.04
120.0	73.14	67.92	63.59	59.79	56.47	53.46	50.81	48.32	45.92
150.0	71.69	66.68	62.16	58.35	55.11	52.24	49.55	47.18	44.94
180.0	47.39	45.42	43.69	42.11	40.78	39.52	38.37	37.43	36.49
210.0	73.09	67.75	62.94	58.90	55.44	52.25	49.21	46.40	43.83
240.0	74.04	68.35	63.40	59.07	55.48	52.31	49.44	46.81	44.32
270.0	48.95	46.93	45.11	43.44	41.96	40.61	39.43	38.36	37.36
300.0	74.10	68.31	63.38	59.25	55.89	52.79	50.00	47.48	45.19
330.0	72.07	66.35	61.66	57.85	54.59	51.77	49.24	46.84	44.67
360.0	54.16	51.71	49.41	47.35	45.48	43.69	42.18	40.84	39.62

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	38.53	37.54	36.58	35.63	34.69	33.78	32.93	32.05	31.21
30.0	48.14	45.65	43.35	41.11	39.02	37.25	35.80	34.55	33.53
60.0	45.00	43.01	41.08	39.23	37.67	36.22	35.02	33.92	32.88
90.0	37.95	36.95	36.02	35.06	34.09	33.20	32.33	31.46	30.62
120.0	43.73	41.65	39.70	37.91	36.35	35.05	33.87	32.82	31.83
150.0	42.74	40.71	38.88	37.19	35.76	34.56	33.55	32.60	31.65
180.0	35.60	34.71	33.80	32.96	32.11	31.29	30.47	29.66	28.91
210.0	41.46	39.22	37.23	35.63	34.28	33.25	32.26	31.31	30.36
240.0	42.11	40.02	38.12	36.52	35.15	33.99	33.04	32.07	31.09
270.0	36.41	35.48	34.55	33.67	32.82	31.98	31.15	30.35	29.58
300.0	42.93	40.91	38.98	37.26	35.83	34.57	33.53	32.54	31.55
330.0	42.64	40.67	38.81	37.09	35.59	34.38	33.34	32.34	31.42
360.0	38.53	37.54	36.58	35.63	34.69	33.78	32.93	32.05	31.21

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	30.42	29.64	28.88	28.09	27.19	26.23	25.28	24.33	23.35
30.0	32.55	31.55	30.57	29.62	28.67	27.74	26.80	25.87	24.95
60.0	31.87	30.87	29.90	28.96	28.02	27.10	26.20	25.33	24.36
90.0	29.81	28.99	28.19	27.36	26.44	25.51	24.55	23.60	22.60
120.0	30.82	29.83	28.87	27.91	27.01	26.09	25.21	24.27	23.29
150.0	30.69	29.70	28.77	27.86	26.94	26.03	25.16	24.24	23.22
180.0	28.15	27.33	26.44	25.49	24.53	23.56	22.60	21.66	20.72
210.0	29.45	28.53	27.60	26.70	25.79	24.92	23.99	23.00	22.00
240.0	30.12	29.19	28.27	27.33	26.42	25.53	24.63	23.66	22.65
270.0	28.81	28.00	27.12	26.19	25.25	24.28	23.32	22.35	21.42
300.0	30.61	29.68	28.78	27.88	26.97	26.06	25.21	24.30	23.35
330.0	30.49	29.60	28.70	27.80	26.90	26.00	25.18	24.30	23.36
360.0	30.42	29.64	28.88	28.09	27.19	26.23	25.28	24.33	23.35

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	22.41	21.49	20.55	19.65	18.76	17.90	17.04	16.17	15.31
30.0	24.01	23.00	22.00	20.99	20.00	18.99	18.00	17.12	16.20
60.0	23.35	22.34	21.33	20.36	19.39	18.44	17.54	16.61	15.69
90.0	21.66	20.74	19.81	18.92	18.04	17.15	16.27	15.43	14.62
120.0	22.29	21.31	20.32	19.36	18.44	17.52	16.58	15.69	14.81
150.0	22.19	21.23	20.24	19.27	18.30	17.35	16.42	15.52	14.65
180.0	19.80	18.88	17.97	17.11	16.26	15.38	14.54	13.74	12.96
210.0	21.03	20.03	19.08	18.12	17.17	16.24	15.33	14.48	13.63
240.0	21.63	20.62	19.62	18.62	17.69	16.73	15.79	14.88	14.00
270.0	20.49	19.56	18.66	17.78	16.90	16.04	15.18	14.35	13.56
300.0	22.35	21.37	20.37	19.38	18.41	17.49	16.54	15.63	14.73
330.0	22.40	21.43	20.45	19.48	18.50	17.58	16.66	15.77	14.92
360.0	22.41	21.49	20.55	19.65	18.76	17.90	17.04	16.17	15.31

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	14.49	13.70	12.92	12.15	11.35	10.60	9.92	9.22	8.51
30.0	15.28	14.39	13.51	12.69	11.89	11.13	10.40	9.68	8.98
60.0	14.82	13.98	13.13	12.34	11.55	10.74	10.00	9.28	8.56
90.0	13.81	13.01	12.22	11.49	10.78	10.12	9.42	8.75	8.11
120.0	13.97	13.14	12.33	11.57	10.77	9.99	9.27	8.59	7.93
150.0	13.80	12.93	12.12	11.33	10.60	9.91	9.20	8.51	7.83
180.0	12.16	11.42	10.72	10.02	9.35	8.67	8.02	7.39	6.79
210.0	12.81	12.00	11.20	10.42	9.72	9.00	8.28	7.59	6.96
240.0	13.14	12.29	11.48	10.73	10.02	9.32	8.60	7.92	7.26
270.0	12.76	12.00	11.24	10.50	9.77	9.07	8.42	7.76	7.13
300.0	13.87	13.01	12.18	11.37	10.64	9.94	9.21	8.52	7.84
330.0	14.08	13.25	12.41	11.59	10.84	10.10	9.37	8.65	7.98
360.0	14.49	13.70	12.92	12.15	11.35	10.60	9.92	9.22	8.51

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	7.79	7.12	6.45	5.85	5.26	4.71	4.22	3.76	3.34
30.0	8.29	7.61	6.92	6.24	5.59	4.95	4.35	3.80	3.29
60.0	7.92	7.30	6.68	6.09	5.52	5.00	4.49	3.97	3.51
90.0	7.47	6.86	6.27	5.73	5.18	4.67	4.18	3.70	3.25
120.0	7.30	6.68	6.10	5.54	5.01	4.49	3.99	3.53	3.09
150.0	7.17	6.56	5.99	5.38	4.79	4.21	3.65	3.12	2.61
180.0	6.18	5.54	4.95	4.37	3.83	3.34	2.89	2.50	2.16
210.0	6.35	5.77	5.19	4.60	4.03	3.50	2.98	2.51	2.14
240.0	6.62	6.04	5.45	4.91	4.39	3.88	3.42	2.97	2.54
270.0	6.55	6.00	5.44	4.91	4.42	3.95	3.48	3.06	2.65
300.0	7.19	6.56	5.98	5.40	4.86	4.33	3.84	3.37	2.92
330.0	7.32	6.63	5.96	5.33	4.72	4.14	3.58	3.12	2.72
360.0	7.79	7.12	6.45	5.85	5.26	4.71	4.22	3.76	3.34

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	2.95	2.56	2.23	1.90	1.57	1.27	0.99	0.53	0.29
30.0	2.82	2.37	2.01	1.66	1.35	1.07	0.81	0.51	0.26
60.0	3.06	2.58	2.18	1.79	1.38	1.02	0.69	0.46	0.23
90.0	2.81	2.41	2.06	1.70	1.35	1.03	0.71	0.41	0.17
120.0	2.67	2.26	1.87	1.46	1.07	0.75	0.50	0.30	0.11
150.0	2.20	1.81	1.48	1.18	0.90	0.66	0.43	0.15	0.03
180.0	1.82	1.49	1.19	0.90	0.66	0.36	0.03	0.00	0.00
210.0	1.78	1.46	1.16	0.91	0.67	0.45	0.20	0.04	0.00
240.0	2.15	1.71	1.32	0.96	0.62	0.36	0.18	0.00	0.00
270.0	2.30	1.94	1.59	1.28	0.99	0.69	0.44	0.18	0.00
300.0	2.43	2.01	1.63	1.28	0.93	0.60	0.35	0.15	0.00
330.0	2.34	1.94	1.61	1.32	1.04	0.80	0.55	0.27	0.09
360.0	2.95	2.56	2.23	1.90	1.57	1.27	0.99	0.53	0.29

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	0.17
30.0	0.17
60.0	0.09
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	0.17