

Report No	:		Voltage	:	V
Test No	:	A2401351A001-40K	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	28.000 W
Luminaire	:	0028320197 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)	:	2406.921
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	2519.199
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	2406.921	0.000	0	0.00%	0.00%
0.5	2407.420	0.576	0.576	0.01%	0.01%
1.0	2407.045	1.728	2.304	0.04%	0.06%
1.5	2406.367	2.879	5.182	0.07%	0.13%
2.0	2405.539	4.029	9.211	0.10%	0.23%
2.5	2404.915	5.178	14.389	0.13%	0.37%
3.0	2404.439	6.326	20.715	0.16%	0.53%
3.5	2403.596	7.473	28.188	0.19%	0.72%
4.0	2402.878	8.618	36.806	0.22%	0.94%
4.5	2401.973	9.762	46.568	0.25%	1.19%
5.0	2401.255	10.904	57.472	0.28%	1.47%
5.5	2401.372	12.048	69.52	0.31%	1.77%
6.0	2401.434	13.192	82.712	0.34%	2.11%
6.5	2402.410	14.338	97.05	0.37%	2.48%
7.0	2403.706	15.487	112.537	0.40%	2.87%
7.5	2405.360	16.638	129.175	0.42%	3.30%
8.0	2407.311	17.792	146.968	0.45%	3.75%
8.5	2409.675	18.950	165.917	0.48%	4.23%
9.0	2412.266	20.110	186.027	0.51%	4.75%
9.5	2414.810	21.272	207.299	0.54%	5.29%
10.0	2417.229	22.434	229.734	0.57%	5.86%
10.5	2419.898	23.597	253.331	0.60%	6.46%
11.0	2423.012	24.765	278.096	0.63%	7.09%
11.5	2425.696	25.933	304.029	0.66%	7.76%
12.0	2428.474	27.101	331.13	0.69%	8.45%
12.5	2431.057	28.268	359.397	0.72%	9.17%
13.0	2433.453	29.433	388.83	0.75%	9.92%
13.5	2435.583	30.595	419.426	0.78%	10.70%
14.0	2437.620	31.755	451.181	0.81%	11.51%
14.5	2439.126	32.910	484.091	0.84%	12.35%
15.0	2440.024	34.057	518.148	0.87%	13.22%
15.5	2440.851	35.197	553.344	0.90%	14.12%
16.0	2441.491	36.333	589.677	0.93%	15.04%
16.5	2441.865	37.463	627.14	0.96%	16.00%
17.0	2441.974	38.587	665.728	0.98%	16.98%
17.5	2441.397	39.701	705.429	1.01%	18.00%
18.0	2439.922	40.798	746.227	1.04%	19.04%
18.5	2438.471	41.884	788.11	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	2436.730	42.962	831.073	1.10%	21.20%
19.5	2433.905	44.024	875.097	1.12%	22.32%
20.0	2431.057	45.070	920.166	1.15%	23.47%
20.5	2427.460	46.102	966.269	1.18%	24.65%
21.0	2423.589	47.119	1013.387	1.20%	25.85%
21.5	2419.609	48.124	1061.511	1.23%	27.08%
22.0	2414.755	49.112	1110.624	1.25%	28.33%
22.5	2409.769	50.083	1160.706	1.28%	29.61%
23.0	2403.822	51.033	1211.739	1.30%	30.91%
23.5	2397.525	51.961	1263.7	1.33%	32.24%
24.0	2390.408	52.866	1316.566	1.35%	33.59%
24.5	2382.862	53.747	1370.313	1.37%	34.96%
25.0	2373.872	54.597	1424.91	1.39%	36.35%
25.5	2363.868	55.406	1480.316	1.41%	37.76%
26.0	2353.200	56.183	1536.498	1.43%	39.20%
26.5	2341.175	56.922	1593.42	1.45%	40.65%
27.0	2328.244	57.619	1651.039	1.47%	42.12%
27.5	2313.823	58.271	1709.31	1.49%	43.60%
28.0	2297.474	58.863	1768.174	1.50%	45.11%
28.5	2280.150	59.401	1827.574	1.52%	46.62%
29.0	2260.688	59.878	1887.452	1.53%	48.15%
29.5	2239.501	60.284	1947.736	1.54%	49.69%
30.0	2215.334	60.604	2008.34	1.55%	51.23%
30.5	2189.800	60.840	2069.18	1.55%	52.79%
31.0	2161.707	60.997	2130.176	1.56%	54.34%
31.5	2131.000	61.053	2191.229	1.56%	55.90%
32.0	2097.608	61.004	2252.233	1.56%	57.45%
32.5	2061.625	60.847	2313.079	1.55%	59.01%
33.0	2023.255	60.583	2373.662	1.55%	60.55%
33.5	1982.067	60.207	2433.869	1.54%	62.09%
34.0	1938.601	59.717	2493.586	1.52%	63.61%
34.5	1892.841	59.117	2552.703	1.51%	65.12%
35.0	1844.209	58.398	2611.101	1.49%	66.61%
35.5	1793.680	57.561	2668.663	1.47%	68.08%
36.0	1741.591	56.626	2725.289	1.44%	69.52%
36.5	1687.972	55.597	2780.885	1.42%	70.94%
37.0	1632.496	54.467	2835.352	1.39%	72.33%
37.5	1576.224	53.247	2888.599	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	1520.490	51.976	2940.575	1.33%	75.01%
38.5	1462.619	50.632	2991.207	1.29%	76.31%
39.0	1405.067	49.209	3040.416	1.26%	77.56%
39.5	1346.774	47.733	3088.149	1.22%	78.78%
40.0	1288.910	46.205	3134.354	1.18%	79.96%
40.5	1232.396	44.662	3179.016	1.14%	81.10%
41.0	1176.444	43.108	3222.124	1.10%	82.20%
41.5	1119.821	41.508	3263.632	1.06%	83.26%
42.0	1064.947	39.884	3303.516	1.02%	84.27%
42.5	1010.587	38.259	3341.775	0.98%	85.25%
43.0	956.290	36.603	3378.378	0.93%	86.18%
43.5	901.895	34.905	3413.283	0.89%	87.07%
44.0	848.043	33.176	3446.459	0.85%	87.92%
44.5	794.465	31.422	3477.88	0.80%	88.72%
45.0	742.917	29.673	3507.553	0.76%	89.48%
45.5	693.069	27.959	3535.512	0.71%	90.19%
46.0	645.636	26.289	3561.801	0.67%	90.86%
46.5	601.664	24.701	3586.503	0.63%	91.49%
47.0	558.511	23.167	3609.67	0.59%	92.08%
47.5	517.473	21.661	3631.331	0.55%	92.64%
48.0	477.162	20.185	3651.516	0.51%	93.15%
48.5	437.169	18.701	3670.217	0.48%	93.63%
49.0	398.989	17.235	3687.452	0.44%	94.07%
49.5	363.076	15.827	3703.279	0.40%	94.47%
50.0	330.629	14.515	3717.795	0.37%	94.84%
50.5	301.011	13.314	3731.108	0.34%	95.18%
51.0	274.522	12.219	3743.327	0.31%	95.49%
51.5	251.246	11.241	3754.569	0.29%	95.78%
52.0	230.825	10.379	3764.947	0.26%	96.04%
52.5	212.537	9.611	3774.558	0.25%	96.29%
53.0	195.577	8.906	3783.464	0.23%	96.52%
53.5	179.658	8.243	3791.707	0.21%	96.73%
54.0	164.933	7.619	3799.326	0.19%	96.92%
54.5	151.177	7.033	3806.359	0.18%	97.10%
55.0	138.293	6.481	3812.84	0.17%	97.27%
55.5	126.245	5.959	3818.799	0.15%	97.42%
56.0	115.157	5.470	3824.269	0.14%	97.56%
56.5	105.130	5.021	3829.291	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	96.051	4.613	3833.903	0.12%	97.80%
57.5	87.879	4.241	3838.144	0.11%	97.91%
58.0	80.884	3.913	3842.057	0.10%	98.01%
58.5	74.946	3.633	3845.69	0.09%	98.10%
59.0	69.883	3.394	3849.085	0.09%	98.19%
59.5	65.499	3.190	3852.274	0.08%	98.27%
60.0	61.727	3.013	3855.287	0.08%	98.35%
60.5	58.538	2.863	3858.15	0.07%	98.42%
61.0	55.643	2.731	3860.881	0.07%	98.49%
61.5	53.031	2.612	3863.493	0.07%	98.56%
62.0	50.669	2.504	3865.997	0.06%	98.62%
62.5	48.471	2.405	3868.403	0.06%	98.68%
63.0	46.408	2.312	3870.715	0.06%	98.74%
63.5	44.475	2.225	3872.94	0.06%	98.80%
64.0	42.663	2.143	3875.083	0.05%	98.85%
64.5	40.996	2.066	3877.149	0.05%	98.91%
65.0	39.514	1.996	3879.145	0.05%	98.96%
65.5	38.223	1.935	3881.08	0.05%	99.01%
66.0	37.080	1.882	3882.963	0.05%	99.06%
66.5	35.994	1.834	3884.796	0.05%	99.10%
67.0	34.966	1.787	3886.584	0.05%	99.15%
67.5	33.952	1.742	3888.326	0.04%	99.19%
68.0	32.940	1.697	3890.023	0.04%	99.24%
68.5	31.928	1.652	3891.675	0.04%	99.28%
69.0	30.911	1.606	3893.281	0.04%	99.32%
69.5	29.879	1.558	3894.839	0.04%	99.36%
70.0	28.844	1.510	3896.35	0.04%	99.40%
70.5	27.826	1.462	3897.812	0.04%	99.43%
71.0	26.777	1.413	3899.225	0.04%	99.47%
71.5	25.690	1.362	3900.587	0.03%	99.50%
72.0	24.604	1.309	3901.897	0.03%	99.54%
72.5	23.521	1.257	3903.153	0.03%	99.57%
73.0	22.438	1.203	3904.357	0.03%	99.60%
73.5	21.378	1.150	3905.507	0.03%	99.63%
74.0	20.332	1.098	3906.605	0.03%	99.66%
74.5	19.303	1.046	3907.651	0.03%	99.68%
75.0	18.285	0.994	3908.645	0.03%	99.71%
75.5	17.302	0.943	3909.588	0.02%	99.73%

Zonal flux distribution table

Appendix Page: 6 Total:21

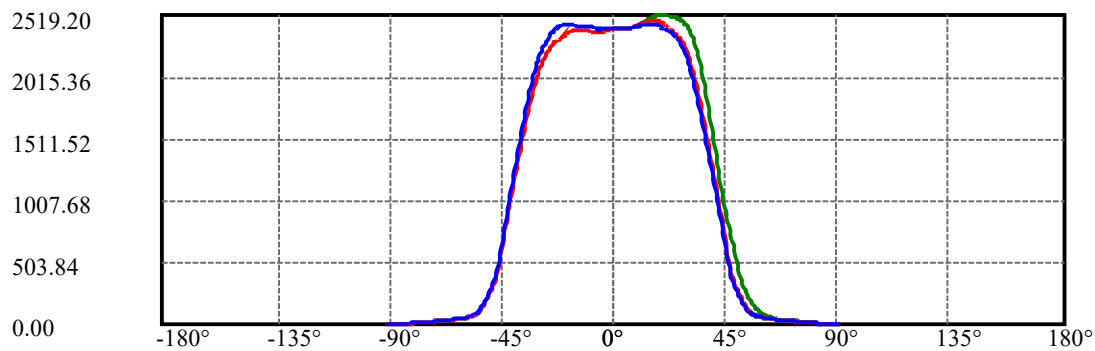
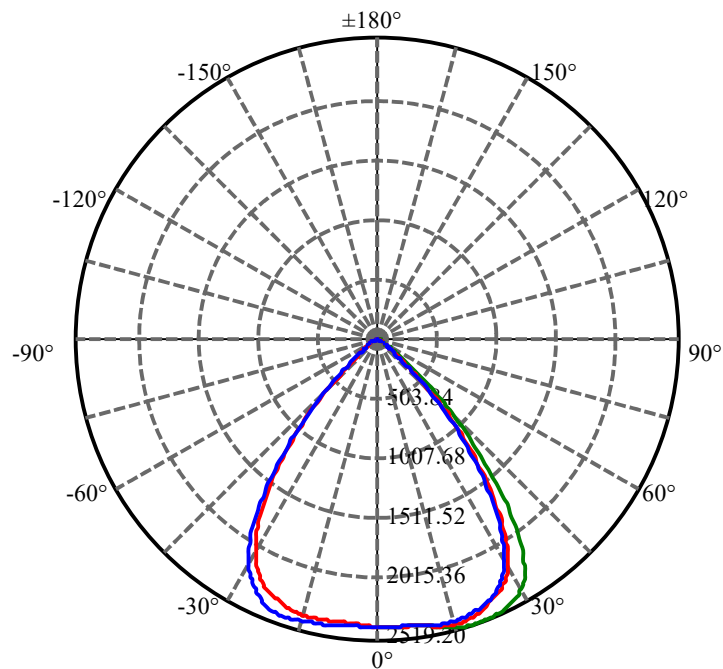
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.339	0.894	3910.482	0.02%	99.76%
76.5	15.399	0.845	3911.327	0.02%	99.78%
77.0	14.478	0.797	3912.125	0.02%	99.80%
77.5	13.576	0.750	3912.875	0.02%	99.82%
78.0	12.711	0.704	3913.579	0.02%	99.84%
78.5	11.877	0.660	3914.239	0.02%	99.85%
79.0	11.068	0.617	3914.856	0.02%	99.87%
79.5	10.277	0.575	3915.431	0.01%	99.88%
80.0	9.506	0.534	3915.965	0.01%	99.90%
80.5	8.761	0.494	3916.458	0.01%	99.91%
81.0	8.042	0.455	3916.913	0.01%	99.92%
81.5	7.342	0.417	3917.33	0.01%	99.93%
82.0	6.661	0.380	3917.709	0.01%	99.94%
82.5	6.008	0.344	3918.054	0.01%	99.95%
83.0	5.376	0.310	3918.363	0.01%	99.96%
83.5	4.775	0.276	3918.64	0.01%	99.97%
84.0	4.208	0.245	3918.884	0.01%	99.97%
84.5	3.678	0.215	3919.1	0.01%	99.98%
85.0	3.194	0.188	3919.287	0.00%	99.98%
85.5	2.737	0.162	3919.449	0.00%	99.99%
86.0	2.290	0.137	3919.587	0.00%	99.99%
86.5	1.897	0.115	3919.701	0.00%	99.99%
87.0	1.524	0.094	3919.795	0.00%	99.99%
87.5	1.171	0.074	3919.869	0.00%	100.00%
88.0	0.847	0.055	3919.924	0.00%	100.00%
88.5	0.550	0.038	3919.962	0.00%	100.00%
89.0	0.280	0.023	3919.985	0.00%	100.00%
89.5	0.110	0.011	3919.996	0.00%	100.00%
90.0	0.051	0.004	3920	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2008.34	51.23%	51.23%
0-40	3134.35	79.96%	79.96%
0-60	3855.29	98.35%	98.35%
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	64.71	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	3136.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

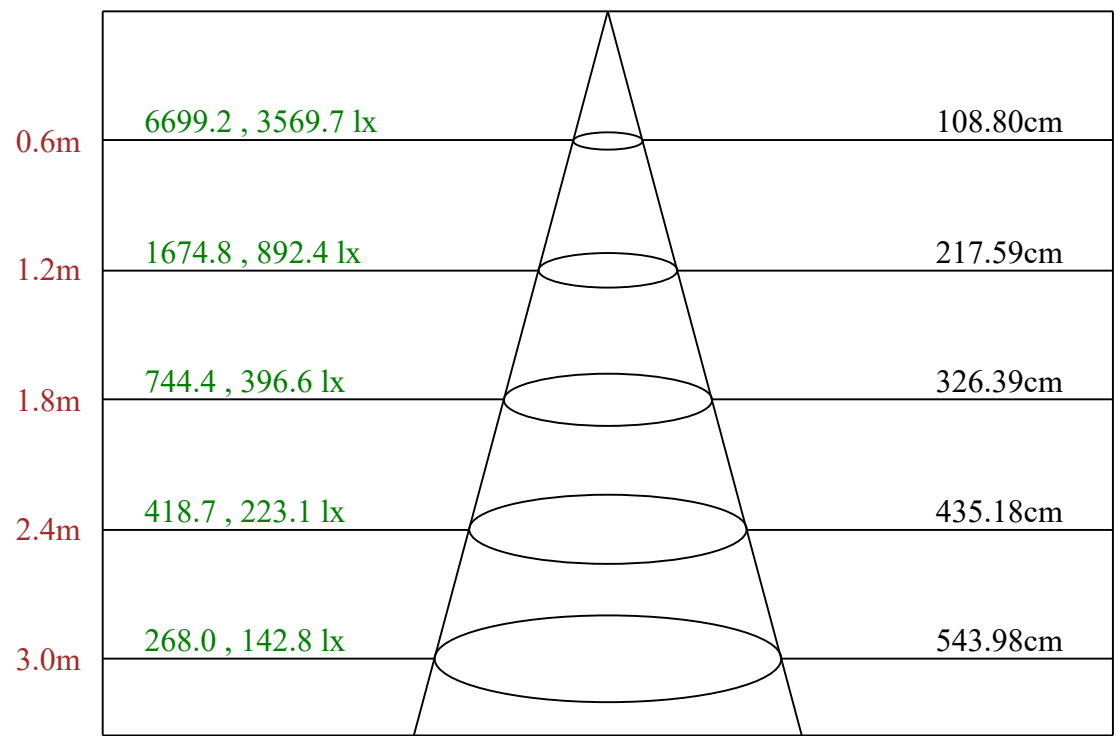
0-10	229.73
10-20	690.43
20-30	1088.17
30-40	1126.01
40-50	583.44
50-60	137.49
60-70	41.06
70-80	19.61
80-90	4.03
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



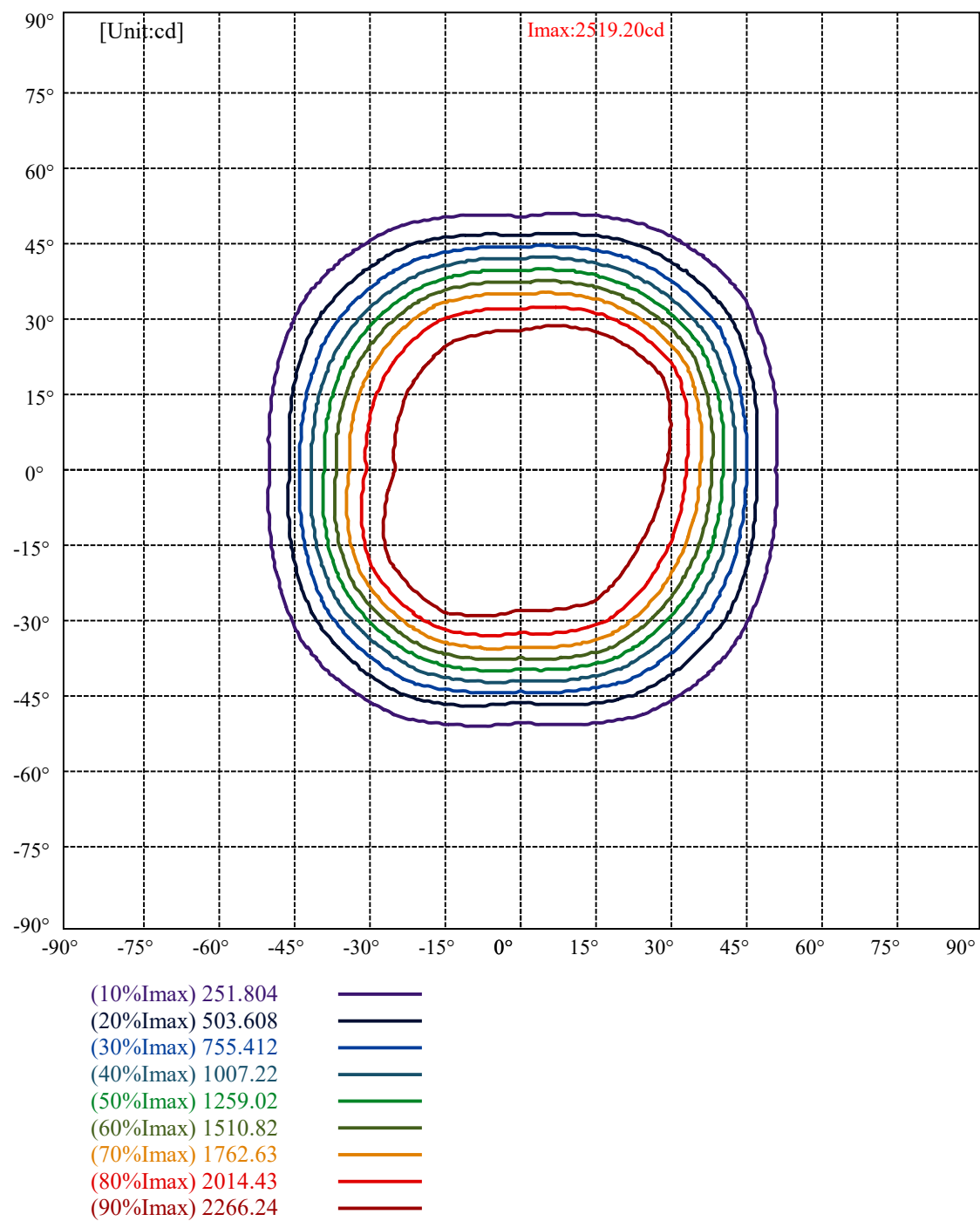
C30(Max):
C0/C180:
C90/C270:

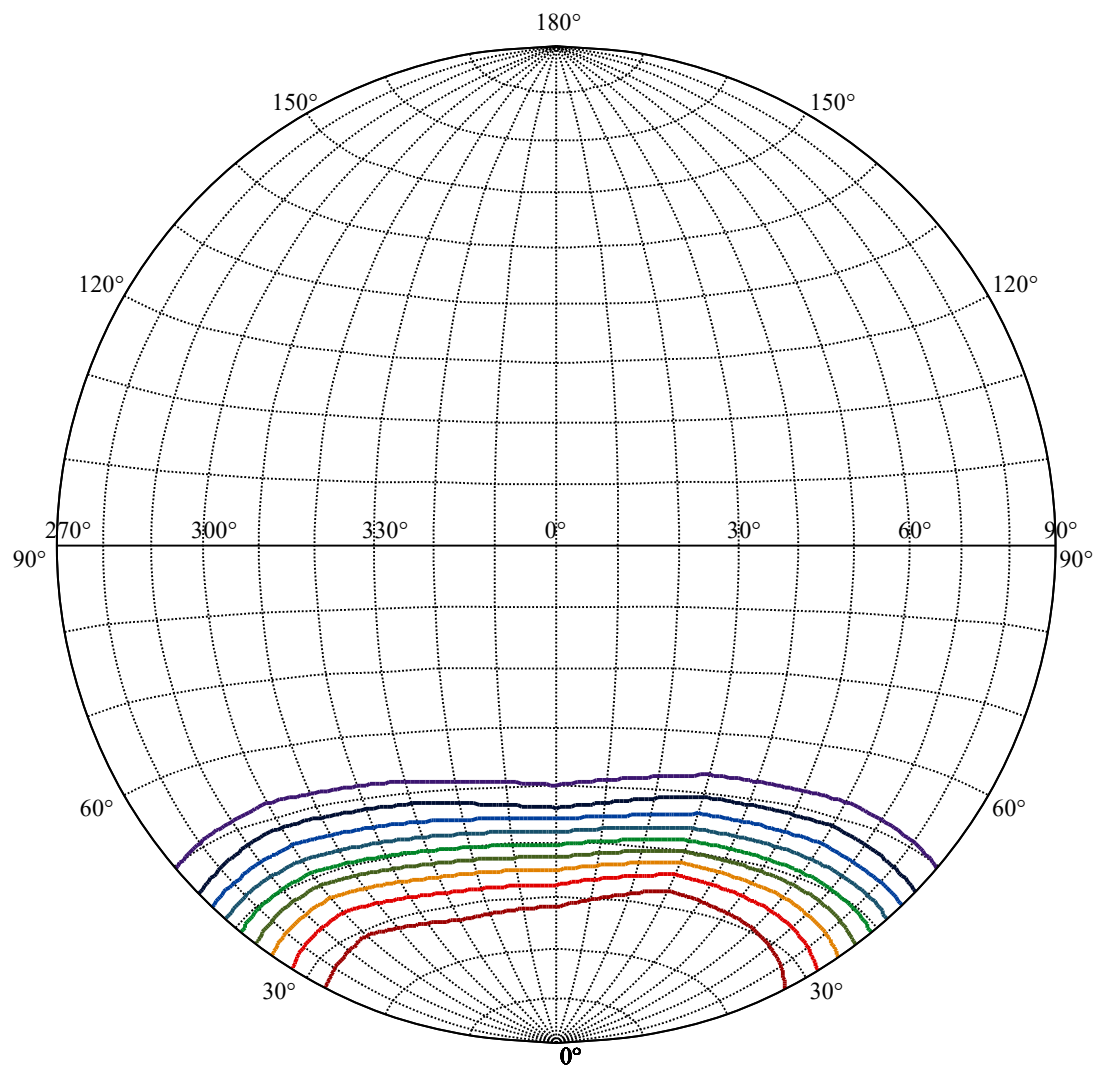
Field angle(10%Imax):C0/180Left:65.3 Right:34.3
:C90/270Left:30.7 Right:68.8

Beam Angle(50%Imax):C0/180Left:54.8 Right:23.9
:C90/270Left:20.4 Right:58.5



Max , Ave Beam angle of C30 plane 84.39



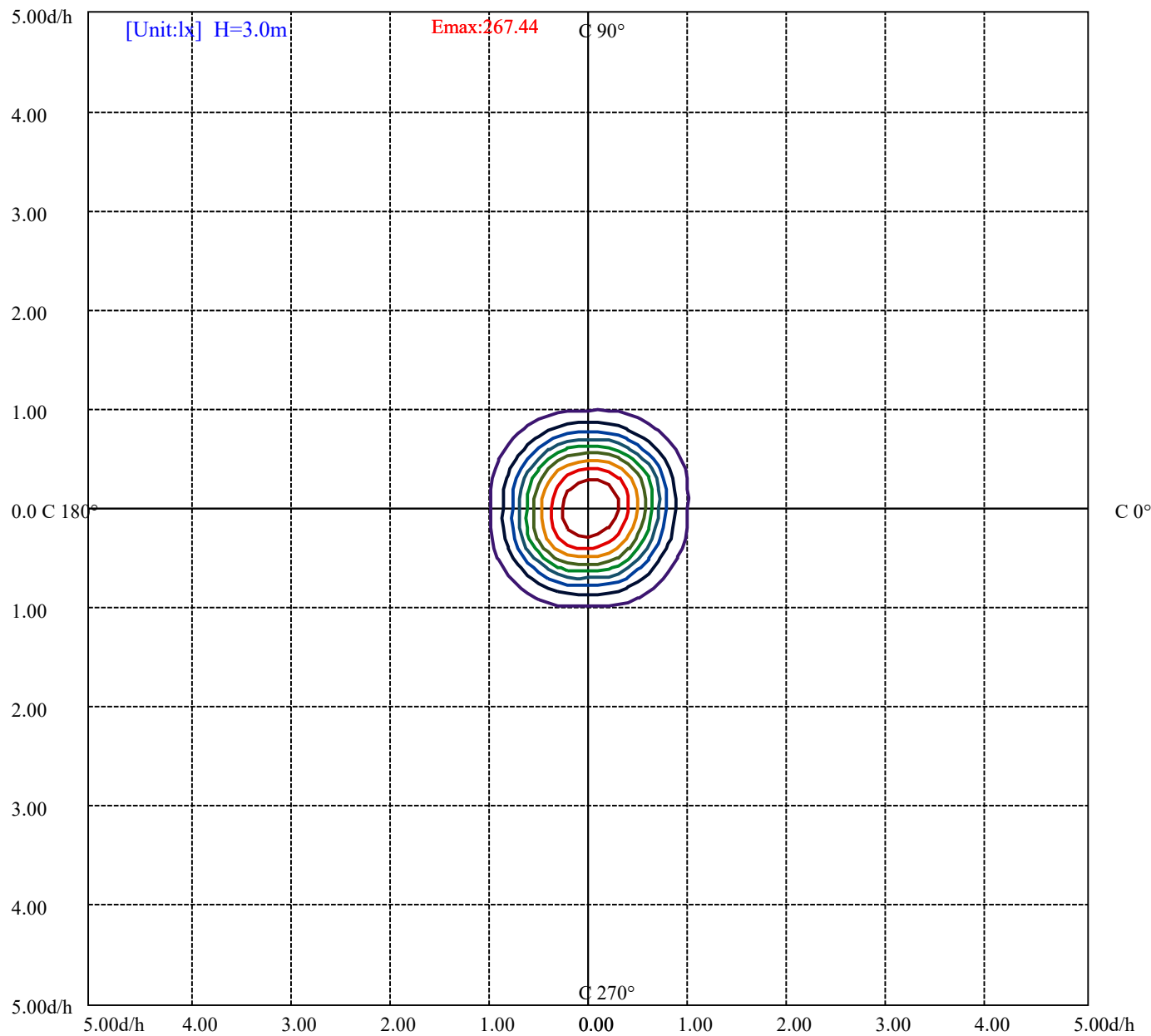


House

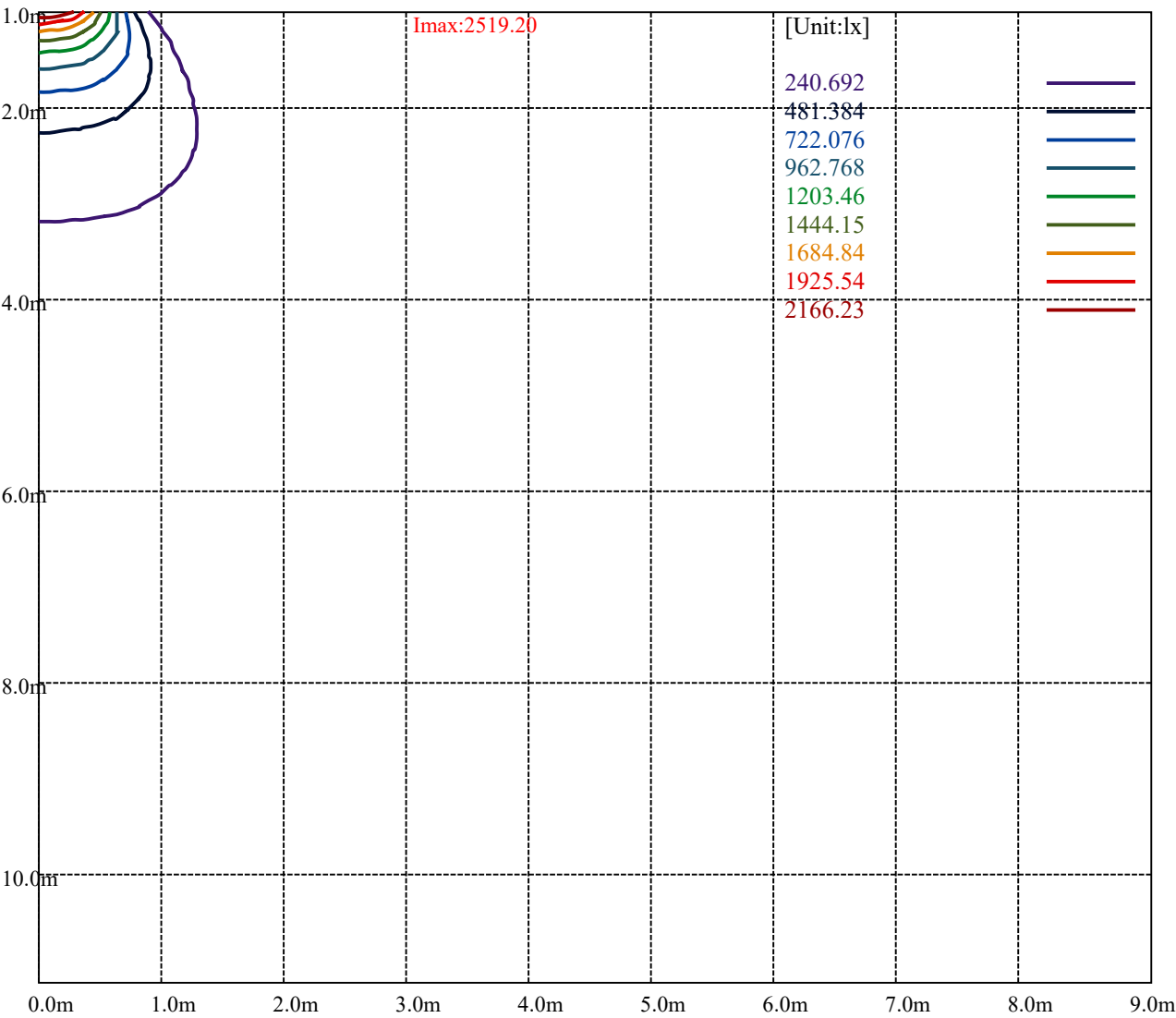
[Unit:cd]

Road

Imax:2519.20	
(10%Imax) 251.92	
(20%Imax) 503.84	
(30%Imax) 755.76	
(40%Imax) 1007.68	
(50%Imax) 1259.6	
(60%Imax) 1511.52	
(70%Imax) 1763.44	
(80%Imax) 2015.36	
(90%Imax) 2267.28	



(10%Emax)	26.74356	—————
(20%Emax)	53.48711	—————
(30%Emax)	80.23067	—————
(40%Emax)	106.9742	—————
(50%Emax)	133.7178	—————
(60%Emax)	160.4611	—————
(70%Emax)	187.2044	—————
(80%Emax)	213.9489	—————
(90%Emax)	240.6922	—————



Luminance Limiting Curve(no luminous side)

Appendix Page: 14 Total:21

Luminance Table

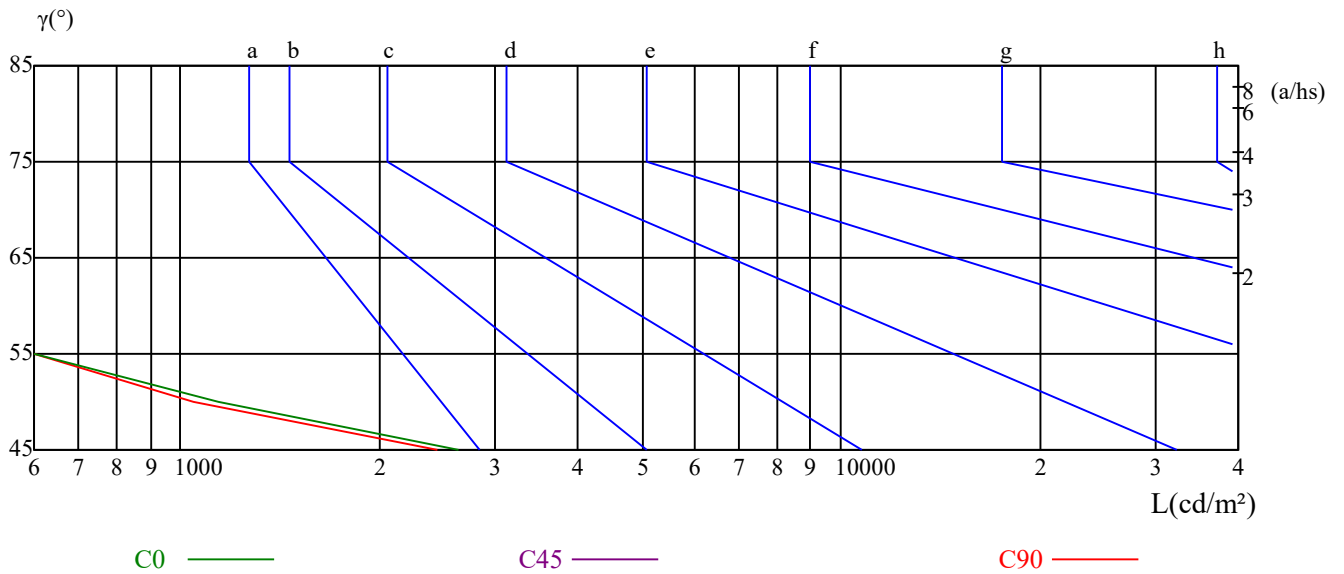
γ	45	50	55	60	65	70	75	80	85
C0	2636	1138	460	300	260	243	208	168	121
C45	0	0	0	0	0	0	0	0	0
C90	2455	1044	430	292	255	236	199	159	118

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
250	250	0	193	192	0	100	107	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



Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 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	13.41	14.56	13.78	14.88	15.19	12.97	14.12	13.33	14.43	14.75
	3H	13.29	14.30	13.67	14.64	14.99	12.85	13.86	13.23	14.20	14.55
	4H	13.22	14.16	13.62	14.51	14.88	12.78	13.72	13.18	14.08	14.44
	6H	13.16	14.02	13.57	14.40	14.79	12.72	13.58	13.14	13.96	14.36
	8H	13.09	13.92	13.51	14.30	14.71	12.66	13.48	13.07	13.86	14.27
	12H	13.03	13.81	13.45	14.21	14.62	12.59	13.38	13.02	13.77	14.18
4H	2H	13.20	14.14	13.59	14.49	14.86	12.76	13.71	13.16	14.06	14.42
	3H	13.06	13.84	13.48	14.23	14.65	12.63	13.41	13.06	13.80	14.22
	4H	13.03	13.71	13.47	14.13	14.57	12.61	13.28	13.05	13.70	14.15
	6H	12.93	13.53	13.40	13.98	14.43	12.51	13.10	12.98	13.55	14.00
	8H	12.89	13.44	13.37	13.89	14.36	12.46	13.01	12.95	13.47	13.94
	12H	12.84	13.35	13.33	13.80	14.32	12.42	12.93	12.91	13.38	13.90
8H	4H	12.87	13.42	13.35	13.87	14.35	12.45	13.00	12.93	13.45	13.92
	6H	12.76	13.21	13.26	13.69	14.20	12.34	12.79	12.84	13.27	13.78
	8H	12.76	13.15	13.29	13.67	14.16	12.34	12.73	12.87	13.25	13.74
	12H	12.71	13.03	13.25	13.54	14.06	12.29	12.61	12.83	13.12	13.64
12H	4H	12.82	13.33	13.31	13.78	14.30	12.40	12.91	12.89	13.36	13.88
	6H	12.75	13.14	13.28	13.66	14.15	12.33	12.72	12.86	13.24	13.73
	8H	12.71	13.02	13.25	13.54	14.06	12.29	12.61	12.83	13.12	13.64
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		-5.8					-5.4				

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	2406.92	2405.24	2406.45	2407.58	2408.33	2408.98	2407.67	2406.36	2408.04
30.0	2406.92	2405.33	2407.67	2409.82	2412.91	2414.23	2414.97	2414.88	2414.13
60.0	2406.92	2410.76	2411.79	2412.35	2413.85	2414.88	2416.47	2416.38	2415.82
90.0	2406.92	2409.73	2409.36	2409.07	2408.51	2407.95	2407.86	2406.92	2407.39
120.0	2406.92	2410.01	2408.79	2407.01	2403.74	2401.68	2400.65	2400.37	2397.56
150.0	2406.92	2407.39	2405.70	2402.71	2399.80	2397.74	2395.96	2394.09	2392.87
180.0	2406.92	2400.65	2399.24	2395.87	2393.81	2391.66	2390.07	2388.10	2385.85
210.0	2406.92	2399.15	2397.28	2395.78	2394.09	2391.38	2390.91	2389.22	2387.63
240.0	2406.92	2406.92	2405.52	2405.24	2403.55	2403.55	2402.24	2400.08	2397.93
270.0	2406.92	2410.20	2409.36	2407.39	2405.52	2405.52	2404.67	2404.30	2403.46
300.0	2406.92	2411.98	2412.26	2412.26	2411.79	2411.04	2410.48	2410.20	2411.23
330.0	2406.92	2411.70	2411.13	2411.32	2410.57	2410.39	2411.32	2412.26	2412.63
360.0	2406.92	2405.24	2406.45	2407.58	2408.33	2408.98	2407.67	2406.36	2408.04

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	2409.07	2409.26	2411.04	2412.45	2413.48	2414.69	2417.69	2420.97	2423.96
30.0	2413.01	2411.88	2410.67	2410.20	2411.42	2412.63	2414.51	2416.57	2419.94
60.0	2415.35	2413.66	2413.29	2413.29	2413.10	2414.41	2416.94	2422.75	2429.02
90.0	2407.20	2407.39	2407.76	2407.20	2408.04	2409.64	2411.98	2414.69	2417.88
120.0	2394.47	2391.00	2389.41	2387.63	2386.79	2386.23	2385.85	2386.13	2386.41
150.0	2391.28	2388.75	2386.79	2385.76	2386.04	2387.35	2386.79	2387.91	2389.13
180.0	2383.51	2381.82	2381.36	2381.26	2381.73	2381.17	2381.17	2380.79	2381.08
210.0	2386.23	2386.79	2386.79	2385.85	2386.32	2388.01	2389.22	2392.31	2394.28
240.0	2396.71	2397.74	2399.71	2401.49	2403.36	2406.08	2409.36	2411.98	2416.66
270.0	2402.80	2402.05	2401.77	2400.83	2403.64	2407.11	2410.95	2414.32	2417.69
300.0	2410.01	2409.45	2409.17	2409.54	2411.98	2414.60	2417.69	2418.63	2420.22
330.0	2414.04	2415.26	2418.72	2421.72	2423.03	2422.56	2422.19	2420.69	2419.84
360.0	2409.07	2409.26	2411.04	2412.45	2413.48	2414.69	2417.69	2420.97	2423.96

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	2427.34	2430.61	2435.48	2439.60	2445.69	2450.56	2453.18	2457.58	2461.14
30.0	2423.68	2428.18	2432.86	2437.54	2443.07	2449.62	2455.99	2462.36	2468.91
60.0	2435.76	2443.44	2451.68	2459.74	2467.79	2475.56	2481.93	2488.11	2491.57
90.0	2422.47	2425.74	2428.37	2430.89	2433.61	2436.70	2440.63	2442.88	2442.79
120.0	2388.10	2390.16	2392.12	2394.00	2397.46	2401.40	2405.70	2411.70	2416.66
150.0	2390.16	2391.09	2392.87	2393.62	2393.90	2393.53	2395.03	2394.09	2393.25
180.0	2383.60	2385.20	2386.32	2386.69	2387.07	2387.35	2389.50	2391.28	2392.22
210.0	2395.12	2396.90	2398.87	2402.24	2404.58	2407.67	2412.26	2416.19	2421.34
240.0	2420.31	2424.62	2427.90	2431.55	2434.36	2435.95	2436.61	2436.61	2437.82
270.0	2420.50	2422.37	2422.65	2424.06	2426.40	2426.49	2426.21	2425.93	2426.96
300.0	2422.09	2422.65	2422.56	2422.84	2422.47	2422.19	2422.28	2422.19	2422.56
330.0	2418.06	2416.75	2415.07	2416.00	2419.75	2421.34	2422.37	2423.78	2426.21
360.0	2427.34	2430.61	2435.48	2439.60	2445.69	2450.56	2453.18	2457.58	2461.14

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	2464.23	2466.76	2468.26	2469.48	2470.13	2471.53	2471.35	2469.85	2468.63
30.0	2475.00	2481.65	2486.42	2491.29	2496.35	2502.44	2507.59	2512.36	2514.80
60.0	2495.04	2498.32	2500.28	2500.38	2501.50	2502.62	2502.62	2503.37	2503.09
90.0	2442.60	2441.57	2442.79	2442.41	2441.76	2440.54	2439.23	2436.79	2434.36
120.0	2420.12	2422.93	2425.27	2426.68	2426.87	2426.40	2426.21	2425.46	2422.47
150.0	2390.72	2389.22	2387.44	2386.04	2383.60	2380.14	2377.33	2373.77	2371.06
180.0	2392.69	2393.62	2392.50	2391.09	2389.04	2386.41	2382.95	2379.86	2375.27
210.0	2426.12	2431.08	2434.83	2436.51	2440.63	2443.72	2445.03	2446.34	2446.72
240.0	2440.07	2441.57	2444.00	2446.63	2449.90	2453.65	2458.24	2462.45	2466.10
270.0	2427.90	2429.49	2431.74	2433.98	2436.70	2440.07	2442.51	2445.60	2447.28
300.0	2424.81	2427.05	2427.80	2427.34	2426.02	2424.71	2424.43	2423.03	2420.31
330.0	2427.71	2428.18	2428.18	2428.46	2427.71	2425.65	2424.90	2424.81	2426.68
360.0	2464.23	2466.76	2468.26	2469.48	2470.13	2471.53	2471.35	2469.85	2468.63

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	2465.17	2461.70	2458.61	2453.65	2448.87	2443.35	2434.45	2425.37	2417.22
30.0	2516.58	2517.89	2519.20	2519.11	2518.54	2516.39	2515.45	2515.08	2513.49
60.0	2502.34	2500.47	2498.50	2495.32	2494.29	2492.89	2492.23	2489.23	2487.45
90.0	2429.11	2424.99	2421.25	2417.32	2412.91	2407.76	2402.52	2398.12	2392.59
120.0	2419.00	2415.26	2410.95	2405.61	2400.65	2393.62	2387.63	2381.73	2374.99
150.0	2367.68	2365.34	2363.10	2360.29	2357.10	2353.26	2349.05	2344.37	2340.25
180.0	2368.71	2363.00	2355.32	2347.55	2340.90	2334.35	2328.82	2322.45	2315.34
210.0	2445.41	2444.19	2442.22	2439.42	2436.61	2432.95	2429.58	2428.37	2427.05
240.0	2469.29	2473.41	2476.22	2476.78	2478.56	2481.09	2482.77	2484.83	2485.30
270.0	2448.31	2448.31	2448.50	2446.16	2442.69	2438.76	2433.80	2430.14	2423.50
300.0	2420.12	2419.38	2419.19	2418.63	2416.38	2412.45	2409.07	2404.67	2398.02
330.0	2427.34	2427.71	2427.71	2427.05	2425.18	2422.65	2417.69	2410.95	2401.86
360.0	2465.17	2461.70	2458.61	2453.65	2448.87	2443.35	2434.45	2425.37	2417.22

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	2406.27	2395.50	2386.69	2379.01	2369.28	2358.32	2348.58	2338.19	2326.01
30.0	2511.99	2511.24	2508.90	2504.97	2501.88	2497.01	2490.83	2486.61	2480.81
60.0	2485.11	2480.99	2475.56	2471.53	2466.20	2459.83	2453.37	2444.38	2435.01
90.0	2387.26	2379.30	2371.43	2362.16	2350.55	2338.09	2325.17	2309.91	2294.17
120.0	2367.31	2359.82	2353.45	2347.36	2341.56	2335.00	2327.42	2319.27	2308.41
150.0	2336.69	2331.26	2326.48	2320.21	2312.72	2303.16	2292.30	2280.69	2269.64
180.0	2309.63	2302.51	2292.96	2283.87	2272.64	2258.59	2242.76	2225.53	2207.83
210.0	2424.99	2424.53	2423.68	2420.97	2419.66	2416.85	2411.88	2406.55	2398.59
240.0	2486.14	2484.64	2481.65	2479.12	2474.34	2467.32	2459.36	2450.84	2441.38
270.0	2416.10	2406.73	2395.59	2382.48	2371.43	2357.20	2340.81	2323.39	2305.88
300.0	2391.84	2386.51	2380.79	2372.93	2366.75	2358.13	2351.76	2346.05	2335.56
330.0	2393.90	2382.85	2373.12	2360.29	2347.36	2336.97	2322.17	2307.00	2290.80
360.0	2406.27	2395.50	2386.69	2379.01	2369.28	2358.32	2348.58	2338.19	2326.01

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	2313.09	2298.48	2282.28	2261.77	2237.61	2212.89	2183.67	2154.93	2121.21
30.0	2474.25	2466.29	2458.14	2447.19	2436.04	2423.96	2408.14	2390.53	2372.83
60.0	2422.47	2407.01	2388.38	2371.15	2350.45	2328.82	2303.91	2275.82	2246.79
90.0	2276.85	2258.87	2237.15	2214.76	2187.98	2159.42	2128.71	2096.31	2060.06
120.0	2298.57	2287.99	2275.07	2261.31	2244.54	2227.41	2204.28	2180.77	2154.74
150.0	2255.59	2238.08	2219.63	2200.62	2180.49	2156.61	2130.20	2103.61	2072.80
180.0	2187.70	2166.07	2143.69	2119.90	2094.71	2065.68	2036.56	2005.75	1973.63
210.0	2389.97	2379.76	2366.19	2353.64	2338.84	2322.64	2304.57	2280.97	2258.31
240.0	2430.43	2419.19	2405.52	2390.63	2374.61	2357.48	2336.69	2315.43	2291.37
270.0	2288.37	2267.11	2246.32	2223.19	2201.65	2177.49	2149.87	2122.15	2090.31
300.0	2326.48	2316.46	2304.57	2291.93	2275.91	2258.59	2237.80	2218.23	2193.88
330.0	2275.16	2260.56	2242.76	2225.72	2205.40	2183.02	2159.61	2133.11	2104.55
360.0	2313.09	2298.48	2282.28	2261.77	2237.61	2212.89	2183.67	2154.93	2121.21

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	2086.19	2051.26	2008.47	1967.26	1924.09	1878.12	1829.23	1778.76	1725.76
30.0	2351.58	2325.64	2294.83	2260.09	2223.75	2184.24	2140.79	2094.53	2045.27
60.0	2215.05	2181.43	2144.16	2106.70	2064.28	2023.36	1979.44	1929.81	1878.21
90.0	2022.98	1981.50	1939.36	1896.00	1850.21	1804.70	1754.69	1705.53	1653.37
120.0	2126.18	2095.93	2060.44	2024.01	1985.24	1943.76	1900.03	1852.83	1802.83
150.0	2039.46	2005.75	1971.01	1934.21	1894.13	1851.43	1807.13	1760.50	1713.58
180.0	1937.95	1900.40	1862.48	1820.24	1775.86	1729.41	1683.71	1633.61	1582.11
210.0	2232.65	2202.03	2170.47	2135.82	2097.24	2055.01	2009.03	1964.64	1915.39
240.0	2262.43	2231.90	2198.28	2160.26	2118.50	2074.11	2029.72	1977.75	1926.44
270.0	2053.14	2012.77	1972.98	1929.99	1886.45	1837.85	1786.63	1734.00	1681.00
300.0	2167.85	2139.85	2107.17	2073.36	2034.78	1994.70	1952.00	1905.65	1855.55
330.0	2076.55	2042.83	2009.87	1971.10	1930.28	1886.54	1841.69	1792.90	1744.67
360.0	2086.19	2051.26	2008.47	1967.26	1924.09	1878.12	1829.23	1778.76	1725.76

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	1671.54	1615.16	1559.82	1505.60	1447.82	1392.01	1334.61	1277.67	1219.71
30.0	1992.27	1937.30	1877.09	1817.53	1760.03	1692.51	1630.05	1565.25	1501.39
60.0	1826.80	1775.39	1719.30	1662.92	1605.89	1545.31	1485.09	1426.38	1368.98
90.0	1599.25	1548.12	1490.99	1437.05	1383.58	1327.87	1276.92	1220.74	1165.96
120.0	1752.07	1697.01	1642.60	1583.98	1527.05	1469.46	1410.65	1349.59	1288.72
150.0	1665.08	1614.88	1563.47	1509.72	1459.53	1407.09	1353.71	1300.24	1248.93
180.0	1530.89	1482.10	1427.41	1372.82	1320.94	1265.59	1213.71	1161.56	1107.71
210.0	1863.32	1806.01	1748.61	1690.92	1633.05	1574.43	1512.34	1449.32	1386.21
240.0	1873.34	1818.00	1761.06	1700.75	1644.10	1582.95	1521.90	1463.37	1404.37
270.0	1623.59	1564.32	1507.19	1451.85	1391.54	1335.26	1276.92	1217.65	1160.06
300.0	1807.13	1753.85	1700.47	1643.44	1589.41	1529.95	1470.49	1411.96	1351.65
330.0	1693.82	1643.54	1591.94	1538.10	1482.94	1429.00	1374.41	1317.57	1263.25
360.0	1671.54	1615.16	1559.82	1505.60	1447.82	1392.01	1334.61	1277.67	1219.71

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1165.77	1111.64	1057.42	1005.26	954.04	902.53	851.16	795.01	729.48
30.0	1437.99	1374.97	1310.82	1246.86	1186.65	1127.38	1069.69	1011.54	958.07
60.0	1309.23	1250.33	1192.55	1134.59	1078.49	1022.31	971.08	919.51	870.90
90.0	1112.21	1061.45	1010.79	960.78	906.96	853.34	794.26	732.68	668.92
120.0	1233.75	1176.63	1119.88	1066.04	1012.47	961.81	913.00	863.71	818.29
150.0	1196.76	1144.61	1091.60	1041.69	990.84	942.80	895.94	851.63	806.79
180.0	1055.64	1005.83	954.60	904.71	851.08	793.02	727.60	668.94	610.29
210.0	1325.43	1265.50	1201.35	1142.36	1086.64	1030.73	976.80	923.72	873.05
240.0	1343.41	1284.88	1224.11	1164.36	1109.96	1055.46	1001.80	950.11	899.87
270.0	1105.84	1052.74	997.68	943.65	887.50	829.52	765.70	701.48	635.44
300.0	1292.09	1231.60	1173.17	1116.04	1059.11	1003.77	950.95	900.54	851.10
330.0	1210.62	1157.15	1103.87	1053.02	1003.30	952.82	904.78	857.65	811.38
360.0	1165.77	1111.64	1057.42	1005.26	954.04	902.53	851.16	795.01	729.48

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	659.79	591.94	529.16	475.20	429.14	391.94	358.08	329.30	304.39
30.0	907.07	856.11	809.35	764.96	721.90	677.59	634.28	586.86	539.45
60.0	823.07	779.54	734.78	692.04	647.66	603.51	559.01	511.99	466.22
90.0	614.57	560.21	505.85	451.49	398.43	363.48	333.53	306.36	281.81
120.0	775.46	732.62	689.65	650.85	608.38	564.91	520.70	475.45	432.43
150.0	765.02	725.49	686.29	647.01	602.63	558.26	513.88	469.50	425.36
180.0	551.65	493.00	434.71	397.92	365.38	336.38	309.74	284.70	262.46
210.0	824.33	777.16	732.31	685.41	637.65	588.34	534.79	484.72	439.33
240.0	850.04	801.75	754.85	708.23	662.87	615.39	567.91	520.43	472.96
270.0	571.85	514.17	466.23	424.47	387.56	354.95	327.15	301.16	277.04
300.0	802.76	757.60	715.91	672.63	629.26	584.75	540.25	495.75	451.24
330.0	769.40	727.26	688.52	649.76	611.28	570.20	526.62	479.80	435.19
360.0	659.79	591.94	529.16	475.20	429.14	391.94	358.08	329.30	304.39

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	280.35	258.95	237.72	216.49	195.26	174.02	155.86	139.71	125.07
30.0	492.04	444.63	397.58	360.54	329.06	302.77	279.49	259.43	241.16
60.0	424.83	384.99	350.27	319.06	292.98	269.89	251.26	232.77	214.29
90.0	259.10	237.55	215.56	195.27	175.94	158.74	142.12	127.21	114.60
120.0	392.28	356.99	325.08	297.89	274.48	256.72	239.00	221.28	203.56
150.0	386.17	351.44	321.19	294.83	271.75	251.70	233.97	217.06	201.54
180.0	240.33	218.60	197.75	178.04	159.46	142.09	127.08	113.98	102.71
210.0	400.13	365.96	336.60	310.35	287.63	266.89	248.74	230.72	212.69
240.0	426.10	389.68	357.01	325.92	299.81	276.96	256.62	237.59	219.26
270.0	254.95	232.94	210.92	188.91	169.69	151.09	134.61	120.33	108.57
300.0	406.92	370.00	337.68	309.55	285.08	263.63	244.33	227.54	211.19
330.0	393.73	355.84	324.77	297.43	273.81	255.42	237.37	219.31	201.27
360.0	280.35	258.95	237.72	216.49	195.26	174.02	155.86	139.71	125.07

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	112.56	102.14	93.36	86.10	79.82	74.78	70.54	66.85	63.67
30.0	224.11	206.71	190.47	174.29	158.74	144.09	130.31	117.50	106.44
60.0	195.81	180.08	164.80	149.95	136.16	123.57	111.89	101.19	92.04
90.0	103.87	94.98	87.31	80.98	75.74	71.43	67.76	64.40	61.33
120.0	188.12	172.75	157.97	143.65	129.93	117.70	106.65	97.14	88.90
150.0	186.47	171.37	156.81	142.27	129.19	117.05	106.57	96.10	87.48
180.0	93.01	85.05	78.59	73.14	68.40	64.46	61.09	58.15	55.52
210.0	194.68	177.27	160.44	144.88	130.72	118.01	106.74	97.06	88.63
240.0	201.12	183.86	167.13	151.48	136.66	123.10	110.84	100.12	90.69
270.0	98.05	88.75	81.38	75.58	70.75	66.62	63.06	59.97	57.28
300.0	194.98	179.75	164.01	149.30	135.25	122.60	110.68	99.74	90.62
330.0	186.43	171.43	157.25	143.33	130.54	118.16	106.48	96.33	88.02
360.0	112.56	102.14	93.36	86.10	79.82	74.78	70.54	66.85	63.67
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	60.66	57.91	55.34	53.03	50.94	48.93	47.24	45.75	44.37
30.0	96.84	88.79	82.22	76.32	71.50	67.28	63.39	59.98	56.87
60.0	84.59	78.30	72.69	68.25	64.57	61.15	58.14	55.41	52.85
90.0	58.66	56.18	53.89	51.70	49.81	48.02	46.43	45.03	43.72
120.0	81.92	76.07	71.22	66.97	63.25	59.87	56.91	54.12	51.43
150.0	80.29	74.68	69.62	65.35	61.73	58.51	55.50	52.84	50.34
180.0	53.08	50.87	48.93	47.16	45.68	44.26	42.98	41.92	40.87
210.0	81.86	75.88	70.50	65.97	62.10	58.52	55.11	51.97	49.08
240.0	82.92	76.56	71.01	66.16	62.14	58.58	55.37	52.42	49.64
270.0	54.82	52.56	50.53	48.65	47.00	45.48	44.16	42.96	41.84
300.0	82.99	76.50	70.99	66.36	62.59	59.12	56.00	53.17	50.61
330.0	80.72	74.31	69.05	64.79	61.15	57.98	55.15	52.46	50.03
360.0	60.66	57.91	55.34	53.03	50.94	48.93	47.24	45.75	44.37
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	43.15	42.04	40.97	39.90	38.85	37.84	36.88	35.90	34.96
30.0	53.91	51.13	48.55	46.04	43.71	41.73	40.10	38.69	37.56
60.0	50.40	48.17	46.01	43.94	42.19	40.57	39.23	37.99	36.82
90.0	42.50	41.39	40.34	39.27	38.19	37.19	36.21	35.24	34.29
120.0	48.98	46.65	44.46	42.47	40.72	39.25	37.94	36.76	35.65
150.0	47.87	45.59	43.55	41.65	40.05	38.71	37.57	36.51	35.45
180.0	39.87	38.87	37.85	36.92	35.96	35.04	34.12	33.22	32.38
210.0	46.43	43.93	41.70	39.90	38.40	37.24	36.13	35.06	34.01
240.0	47.17	44.82	42.69	40.90	39.37	38.07	37.00	35.92	34.82
270.0	40.78	39.74	38.70	37.71	36.76	35.82	34.89	33.99	33.13
300.0	48.08	45.82	43.66	41.73	40.12	38.72	37.56	36.44	35.34
330.0	47.76	45.55	43.47	41.54	39.86	38.51	37.34	36.22	35.19
360.0	43.15	42.04	40.97	39.90	38.85	37.84	36.88	35.90	34.96
C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	34.07	33.20	32.35	31.46	30.46	29.37	28.32	27.25	26.15
30.0	36.45	35.34	34.24	33.18	32.11	31.07	30.02	28.97	27.95
60.0	35.69	34.57	33.48	32.44	31.38	30.35	29.35	28.37	27.28
90.0	33.38	32.47	31.57	30.64	29.61	28.57	27.49	26.43	25.31
120.0	34.52	33.41	32.34	31.26	30.25	29.22	28.24	27.18	26.09
150.0	34.37	33.26	32.23	31.21	30.18	29.16	28.18	27.15	26.00
180.0	31.53	30.61	29.61	28.55	27.47	26.39	25.31	24.26	23.20
210.0	32.98	31.95	30.92	29.91	28.89	27.91	26.87	25.76	24.63
240.0	33.73	32.69	31.66	30.61	29.59	28.59	27.59	26.50	25.36
270.0	32.27	31.37	30.37	29.33	28.28	27.19	26.12	25.03	23.99
300.0	34.28	33.25	32.23	31.22	30.21	29.19	28.23	27.21	26.15
330.0	34.15	33.15	32.14	31.13	30.13	29.13	28.20	27.22	26.16
360.0	34.07	33.20	32.35	31.46	30.46	29.37	28.32	27.25	26.15

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	25.10	24.07	23.02	22.01	21.01	20.05	19.09	18.11	17.15
30.0	26.89	25.76	24.64	23.51	22.40	21.27	20.16	19.17	18.15
60.0	26.15	25.02	23.89	22.80	21.71	20.66	19.64	18.61	17.57
90.0	24.26	23.23	22.19	21.19	20.20	19.21	18.22	17.28	16.37
120.0	24.97	23.87	22.76	21.69	20.65	19.62	18.57	17.57	16.58
150.0	24.86	23.78	22.67	21.58	20.50	19.43	18.39	17.38	16.41
180.0	22.18	21.14	20.12	19.16	18.21	17.23	16.29	15.39	14.51
210.0	23.55	22.44	21.37	20.30	19.23	18.19	17.17	16.22	15.27
240.0	24.23	23.10	21.97	20.86	19.82	18.74	17.69	16.67	15.67
270.0	22.95	21.91	20.89	19.91	18.92	17.96	17.00	16.07	15.18
300.0	25.03	23.94	22.82	21.71	20.62	19.58	18.53	17.50	16.50
330.0	25.09	24.00	22.91	21.81	20.72	19.69	18.66	17.67	16.71
360.0	25.10	24.07	23.02	22.01	21.01	20.05	19.09	18.11	17.15
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	16.22	15.35	14.47	13.61	12.71	11.87	11.10	10.33	9.53
30.0	17.12	16.11	15.13	14.21	13.31	12.47	11.65	10.84	10.06
60.0	16.59	15.66	14.71	13.82	12.93	12.02	11.20	10.39	9.59
90.0	15.47	14.57	13.68	12.87	12.07	11.33	10.56	9.80	9.08
120.0	15.65	14.72	13.81	12.95	12.06	11.19	10.38	9.62	8.88
150.0	15.46	14.49	13.57	12.69	11.87	11.10	10.30	9.53	8.77
180.0	13.62	12.80	12.01	11.23	10.47	9.72	8.99	8.27	7.60
210.0	14.35	13.44	12.54	11.67	10.89	10.08	9.27	8.50	7.79
240.0	14.72	13.77	12.86	12.02	11.22	10.44	9.63	8.87	8.13
270.0	14.29	13.44	12.59	11.76	10.94	10.16	9.43	8.69	7.99
300.0	15.53	14.57	13.64	12.73	11.91	11.13	10.32	9.54	8.78
330.0	15.77	14.84	13.90	12.99	12.14	11.31	10.50	9.69	8.93
360.0	16.22	15.35	14.47	13.61	12.71	11.87	11.10	10.33	9.53
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	8.73	7.97	7.22	6.55	5.89	5.28	4.73	4.21	3.74
30.0	9.29	8.52	7.75	6.98	6.26	5.55	4.88	4.25	3.68
60.0	8.87	8.18	7.48	6.82	6.19	5.60	5.03	4.45	3.93
90.0	8.37	7.69	7.03	6.42	5.81	5.23	4.68	4.14	3.63
120.0	8.17	7.48	6.83	6.21	5.61	5.03	4.47	3.95	3.47
150.0	8.03	7.35	6.71	6.03	5.37	4.72	4.09	3.49	2.93
180.0	6.92	6.21	5.54	4.90	4.29	3.74	3.24	2.80	2.42
210.0	7.11	6.46	5.81	5.16	4.51	3.92	3.34	2.81	2.39
240.0	7.42	6.76	6.11	5.50	4.91	4.34	3.83	3.33	2.84
270.0	7.34	6.72	6.09	5.50	4.95	4.42	3.90	3.43	2.97
300.0	8.06	7.35	6.69	6.05	5.45	4.85	4.31	3.77	3.27
330.0	8.20	7.42	6.67	5.97	5.28	4.64	4.01	3.50	3.05
360.0	8.73	7.97	7.22	6.55	5.89	5.28	4.73	4.21	3.74
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	3.31	2.87	2.50	2.12	1.76	1.43	1.11	0.60	0.33
30.0	3.15	2.65	2.25	1.86	1.51	1.20	0.91	0.57	0.29
60.0	3.43	2.88	2.44	2.01	1.54	1.15	0.77	0.51	0.26
90.0	3.15	2.70	2.31	1.91	1.52	1.15	0.80	0.46	0.20
120.0	2.99	2.54	2.10	1.63	1.20	0.85	0.57	0.33	0.12
150.0	2.46	2.03	1.66	1.32	1.01	0.74	0.48	0.17	0.03
180.0	2.04	1.67	1.34	1.01	0.74	0.40	0.03	0.00	0.00
210.0	1.99	1.63	1.30	1.02	0.75	0.50	0.22	0.04	0.00
240.0	2.41	1.92	1.48	1.07	0.70	0.41	0.20	0.00	0.00
270.0	2.58	2.17	1.78	1.43	1.11	0.78	0.50	0.21	0.00
300.0	2.73	2.25	1.83	1.44	1.04	0.67	0.39	0.17	0.00
330.0	2.62	2.17	1.80	1.48	1.16	0.90	0.62	0.30	0.10
360.0	3.31	2.87	2.50	2.12	1.76	1.43	1.11	0.60	0.33

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	0.20
30.0	0.19
60.0	0.10
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	0.20