

Report No	:		Voltage	:	V
Test No	:	A2401355A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	32.000 W
Luminaire	:	0028920190 32W 3000K 3840lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3840.0 lm	Width	:	255 mm
Number of Lamps	:	1	Length	:	1155 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3840.00	Central intensity(cd)	:	1828.625
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1829.210
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=90.0 γ =0.5
Beam Angle(50%Imax)	:	[C0/180]Total=87.6 [C90/270]Total=88.0			
Field angle(10%Imax)	:	[C0/180]Total=148.0 [C90/270]Total=148.2			
Maximum s/h(1/2)	:	C0_180=1.25 C90_270=1.25			
Maximum s/h(1/4)	:	C0_180=1.24 C90_270=1.24			
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 :	:	87.424%			

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	1828.625	0.000	0	0.00%	0.00%
0.5	1828.881	0.438	0.438	0.01%	0.01%
1.0	1828.670	1.313	1.75	0.03%	0.05%
1.5	1828.204	2.187	3.937	0.06%	0.10%
2.0	1827.741	3.061	6.998	0.08%	0.18%
2.5	1827.003	3.934	10.932	0.10%	0.28%
3.0	1826.194	4.805	15.737	0.13%	0.41%
3.5	1825.264	5.675	21.412	0.15%	0.56%
4.0	1824.182	6.544	27.956	0.17%	0.73%
4.5	1822.970	7.410	35.366	0.19%	0.92%
5.0	1821.496	8.274	43.64	0.22%	1.14%
5.5	1819.896	9.135	52.774	0.24%	1.37%
6.0	1818.170	9.993	62.767	0.26%	1.63%
6.5	1816.389	10.848	73.615	0.28%	1.92%
7.0	1814.346	11.699	85.314	0.30%	2.22%
7.5	1812.187	12.547	97.861	0.33%	2.55%
8.0	1809.948	13.391	111.252	0.35%	2.90%
8.5	1807.559	14.231	125.483	0.37%	3.27%
9.0	1805.084	15.067	140.55	0.39%	3.66%
9.5	1802.420	15.898	156.448	0.41%	4.07%
10.0	1799.713	16.724	173.172	0.44%	4.51%
10.5	1796.774	17.545	190.717	0.46%	4.97%
11.0	1793.611	18.360	209.077	0.48%	5.44%
11.5	1790.364	19.169	228.246	0.50%	5.94%
12.0	1786.911	19.972	248.217	0.52%	6.46%
12.5	1783.354	20.768	268.985	0.54%	7.00%
13.0	1779.731	21.559	290.544	0.56%	7.57%
13.5	1775.821	22.342	312.886	0.58%	8.15%
14.0	1771.789	23.117	336.003	0.60%	8.75%
14.5	1767.695	23.886	359.889	0.62%	9.37%
15.0	1763.498	24.648	384.537	0.64%	10.01%
15.5	1758.997	25.401	409.938	0.66%	10.68%
16.0	1754.396	26.146	436.083	0.68%	11.36%
16.5	1749.629	26.882	462.965	0.70%	12.06%
17.0	1744.699	27.609	490.574	0.72%	12.78%
17.5	1739.766	28.328	518.902	0.74%	13.51%
18.0	1734.569	29.039	547.94	0.76%	14.27%
18.5	1729.146	29.738	577.678	0.77%	15.04%

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	1723.526	30.426	608.105	0.79%	15.84%
19.5	1717.806	31.105	639.21	0.81%	16.65%
20.0	1711.865	31.773	670.983	0.83%	17.47%
20.5	1705.837	32.430	703.413	0.84%	18.32%
21.0	1699.862	33.080	736.493	0.86%	19.18%
21.5	1693.622	33.719	770.212	0.88%	20.06%
22.0	1687.062	34.344	804.556	0.89%	20.95%
22.5	1680.240	34.955	839.512	0.91%	21.86%
23.0	1673.214	35.553	875.065	0.93%	22.79%
23.5	1666.119	36.139	911.203	0.94%	23.73%
24.0	1658.804	36.712	947.915	0.96%	24.69%
24.5	1651.283	37.272	985.187	0.97%	25.66%
25.0	1643.505	37.817	1023.004	0.98%	26.64%
25.5	1635.409	38.346	1061.349	1.00%	27.64%
26.0	1627.136	38.859	1100.208	1.01%	28.65%
26.5	1618.631	39.357	1139.565	1.02%	29.68%
27.0	1609.985	39.840	1179.405	1.04%	30.71%
27.5	1601.112	40.308	1219.713	1.05%	31.76%
28.0	1591.951	40.760	1260.473	1.06%	32.82%
28.5	1582.468	41.192	1301.665	1.07%	33.90%
29.0	1572.616	41.605	1343.269	1.08%	34.98%
29.5	1562.447	41.997	1385.266	1.09%	36.07%
30.0	1551.907	42.368	1427.634	1.10%	37.18%
30.5	1541.128	42.719	1470.352	1.11%	38.29%
31.0	1529.931	43.048	1513.4	1.12%	39.41%
31.5	1518.205	43.352	1556.752	1.13%	40.54%
32.0	1505.951	43.628	1600.38	1.14%	41.68%
32.5	1493.268	43.876	1644.256	1.14%	42.82%
33.0	1479.824	44.094	1688.351	1.15%	43.97%
33.5	1465.773	44.277	1732.628	1.15%	45.12%
34.0	1450.835	44.424	1777.052	1.16%	46.28%
34.5	1434.865	44.525	1821.577	1.16%	47.44%
35.0	1417.869	44.579	1866.156	1.16%	48.60%
35.5	1399.842	44.584	1910.739	1.16%	49.76%
36.0	1380.644	44.536	1955.276	1.16%	50.92%
36.5	1360.048	44.429	1999.705	1.16%	52.08%
37.0	1338.027	44.257	2043.963	1.15%	53.23%
37.5	1314.767	44.022	2087.984	1.15%	54.37%

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	1289.839	43.716	2131.701	1.14%	55.51%
38.5	1263.543	43.338	2175.039	1.13%	56.64%
39.0	1236.255	42.897	2217.935	1.12%	57.76%
39.5	1207.747	42.393	2260.329	1.10%	58.86%
40.0	1178.113	41.825	2302.154	1.09%	59.95%
40.5	1147.831	41.201	2343.355	1.07%	61.02%
41.0	1117.057	40.532	2383.887	1.06%	62.08%
41.5	1085.533	39.815	2423.702	1.04%	63.12%
42.0	1053.663	39.052	2462.754	1.02%	64.13%
42.5	1021.900	38.259	2501.013	1.00%	65.13%
43.0	990.245	37.445	2538.458	0.98%	66.11%
43.5	958.868	36.613	2575.072	0.95%	67.06%
44.0	927.979	35.771	2610.843	0.93%	67.99%
44.5	897.679	34.925	2645.768	0.91%	68.90%
45.0	867.822	34.076	2679.844	0.89%	69.79%
45.5	838.510	33.222	2713.066	0.87%	70.65%
46.0	810.153	32.376	2745.442	0.84%	71.50%
46.5	782.597	31.543	2776.985	0.82%	72.32%
47.0	755.809	30.720	2807.705	0.80%	73.12%
47.5	729.639	29.905	2837.61	0.78%	73.90%
48.0	704.244	29.098	2866.708	0.76%	74.65%
48.5	679.546	28.303	2895.011	0.74%	75.39%
49.0	655.350	27.515	2922.526	0.72%	76.11%
49.5	631.908	26.735	2949.261	0.70%	76.80%
50.0	608.898	25.963	2975.225	0.68%	77.48%
50.5	586.248	25.191	3000.416	0.66%	78.14%
51.0	564.227	24.425	3024.841	0.64%	78.77%
51.5	543.044	23.674	3048.515	0.62%	79.39%
52.0	522.407	22.939	3071.454	0.60%	79.99%
52.5	502.385	22.215	3093.669	0.58%	80.56%
53.0	483.292	21.510	3115.179	0.56%	81.12%
53.5	465.166	20.835	3136.014	0.54%	81.67%
54.0	447.807	20.185	3156.199	0.53%	82.19%
54.5	431.305	19.560	3175.759	0.51%	82.70%
55.0	415.579	18.961	3194.719	0.49%	83.20%
55.5	400.607	18.385	3213.105	0.48%	83.67%
56.0	386.495	17.837	3230.941	0.46%	84.14%
56.5	373.194	17.317	3248.259	0.45%	84.59%

Equipment: GMS1800
Temperature($^{\circ}$ 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	360.584	16.823	3265.082	0.44%	85.03%
57.5	348.670	16.354	3281.436	0.43%	85.45%
58.0	337.552	15.911	3297.346	0.41%	85.87%
58.5	327.112	15.495	3312.842	0.40%	86.27%
59.0	317.376	15.105	3327.947	0.39%	86.67%
59.5	308.377	14.743	3342.69	0.38%	87.05%
60.0	299.989	14.408	3357.098	0.38%	87.42%
60.5	292.193	14.095	3371.193	0.37%	87.79%
61.0	284.961	13.805	3384.999	0.36%	88.15%
61.5	278.377	13.540	3398.539	0.35%	88.50%
62.0	272.248	13.298	3411.836	0.35%	88.85%
62.5	266.466	13.070	3424.907	0.34%	89.19%
63.0	261.040	12.857	3437.764	0.33%	89.53%
63.5	256.091	12.660	3450.424	0.33%	89.85%
64.0	251.671	12.485	3462.909	0.33%	90.18%
64.5	247.658	12.330	3475.239	0.32%	90.50%
65.0	243.949	12.190	3487.429	0.32%	90.82%
65.5	240.544	12.063	3499.491	0.31%	91.13%
66.0	237.332	11.945	3511.436	0.31%	91.44%
66.5	234.270	11.834	3523.271	0.31%	91.75%
67.0	231.259	11.726	3534.997	0.31%	92.06%
67.5	228.206	11.616	3546.613	0.30%	92.36%
68.0	225.026	11.500	3558.114	0.30%	92.66%
68.5	221.679	11.375	3569.488	0.30%	92.96%
69.0	218.080	11.236	3580.725	0.29%	93.25%
69.5	214.189	11.082	3591.807	0.29%	93.54%
70.0	209.987	10.910	3602.717	0.28%	93.82%
70.5	205.528	10.721	3613.439	0.28%	94.10%
71.0	200.786	10.516	3623.955	0.27%	94.37%
71.5	195.794	10.295	3634.251	0.27%	94.64%
72.0	190.707	10.063	3644.314	0.26%	94.90%
72.5	185.538	9.824	3654.138	0.26%	95.16%
73.0	180.299	9.578	3663.716	0.25%	95.41%
73.5	175.126	9.331	3673.047	0.24%	95.65%
74.0	170.082	9.086	3682.133	0.24%	95.89%
74.5	165.127	8.845	3690.978	0.23%	96.12%
75.0	160.354	8.609	3699.587	0.22%	96.34%
75.5	155.785	8.381	3707.968	0.22%	96.56%

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

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 6 Total:21

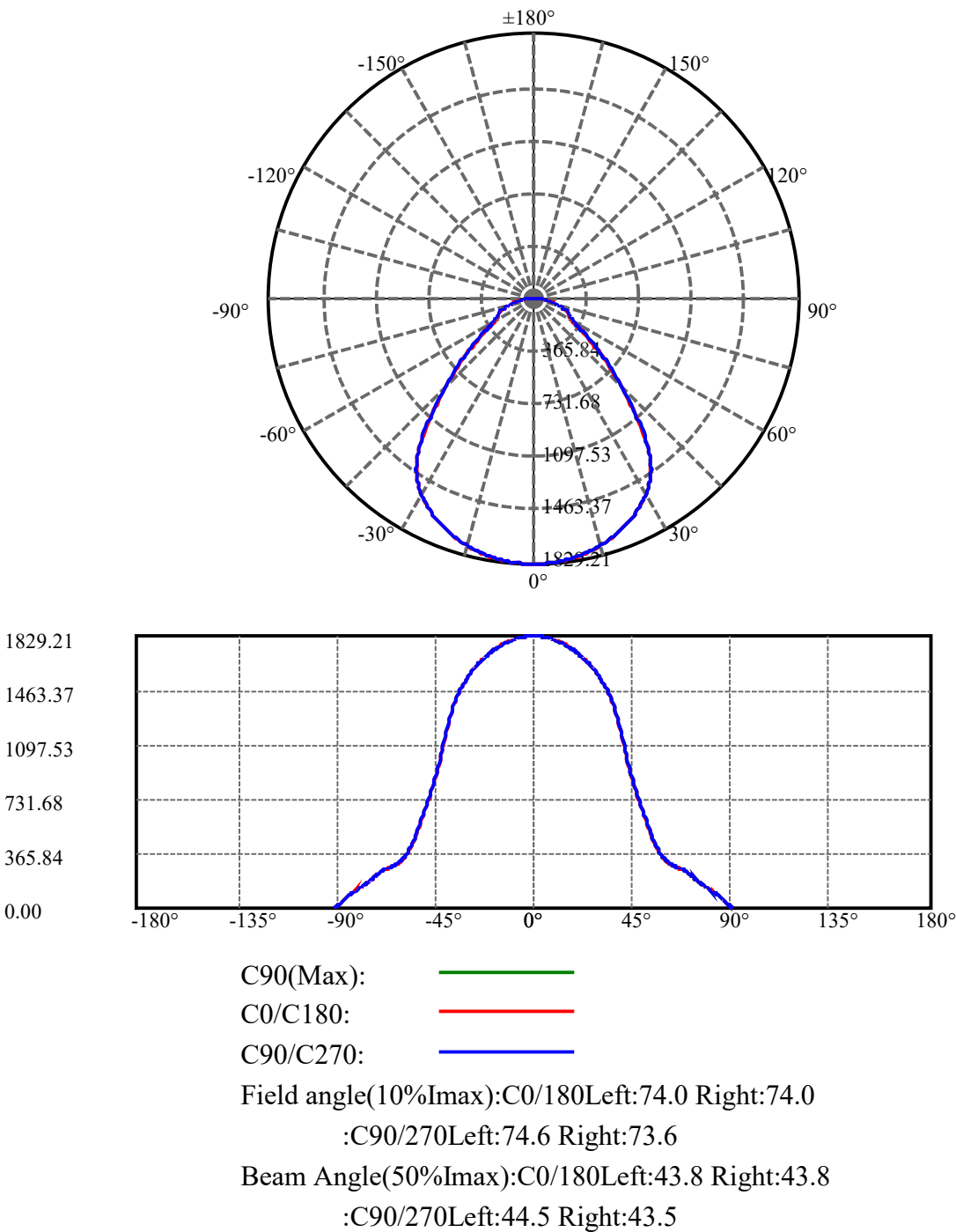
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	151.325	8.160	3716.129	0.21%	96.77%
76.5	146.984	7.944	3724.072	0.21%	96.98%
77.0	142.728	7.731	3731.804	0.20%	97.18%
77.5	138.506	7.520	3739.324	0.20%	97.38%
78.0	134.267	7.308	3746.632	0.19%	97.57%
78.5	129.996	7.093	3753.725	0.18%	97.75%
79.0	125.680	6.875	3760.599	0.18%	97.93%
79.5	121.243	6.651	3767.25	0.17%	98.11%
80.0	116.709	6.419	3773.67	0.17%	98.27%
80.5	112.134	6.183	3779.853	0.16%	98.43%
81.0	107.487	5.943	3785.795	0.15%	98.59%
81.5	102.710	5.696	3791.491	0.15%	98.74%
82.0	97.791	5.440	3796.931	0.14%	98.88%
82.5	92.742	5.176	3802.107	0.13%	99.01%
83.0	87.405	4.899	3807.006	0.13%	99.14%
83.5	81.730	4.605	3811.611	0.12%	99.26%
84.0	75.743	4.292	3815.902	0.11%	99.37%
84.5	69.414	3.960	3819.862	0.10%	99.48%
85.0	62.814	3.610	3823.472	0.09%	99.57%
85.5	56.029	3.247	3826.719	0.08%	99.65%
86.0	49.126	2.875	3829.594	0.07%	99.73%
86.5	42.172	2.498	3832.091	0.07%	99.79%
87.0	35.360	2.122	3834.214	0.06%	99.85%
87.5	28.731	1.755	3835.969	0.05%	99.90%
88.0	22.485	1.403	3837.372	0.04%	99.93%
88.5	16.671	1.073	3838.445	0.03%	99.96%
89.0	11.510	0.772	3839.217	0.02%	99.98%
89.5	7.465	0.520	3839.737	0.01%	99.99%
90.0	2.120	0.263	3840	0.01%	100.00%

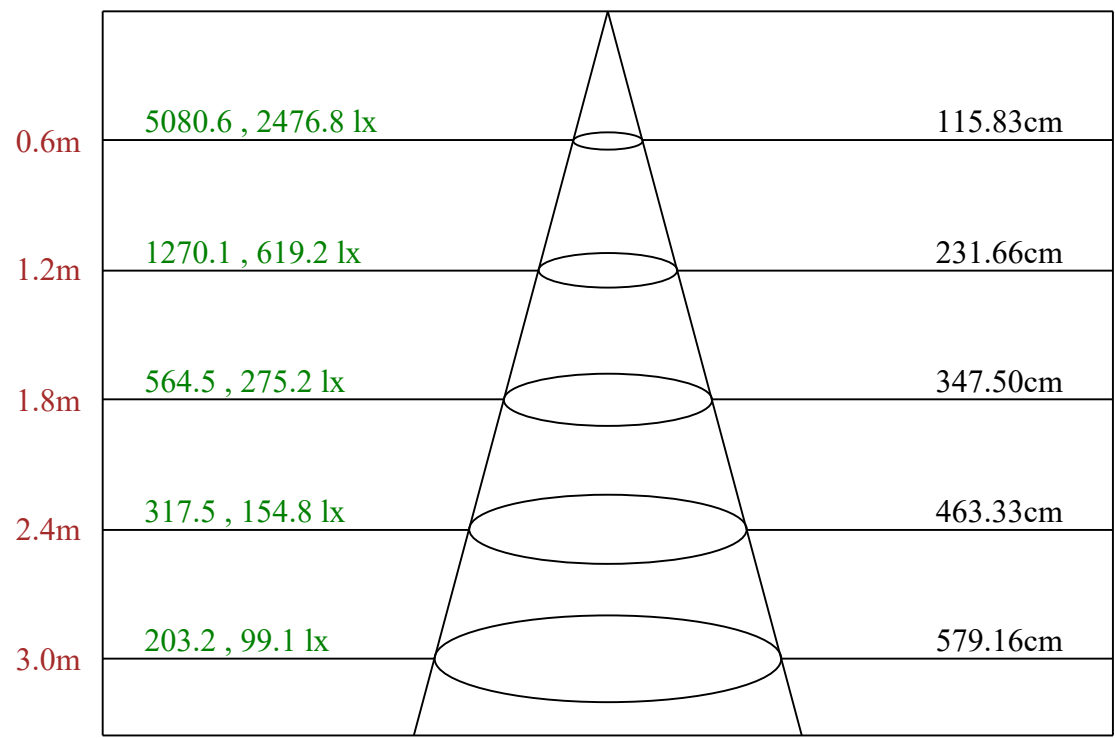
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1427.63	37.18%	37.18%
0-40	2302.15	59.95%	59.95%
0-60	3357.10	87.42%	87.42%
0-90	3839.74	99.99%	99.99%
0-120	3839.74	99.99%	99.99%
0-180	3840.00	100.00%	100.00%
60-90	482.64	12.57%	12.57%
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%
0-52.01	3072.00	80.00%	80.00%

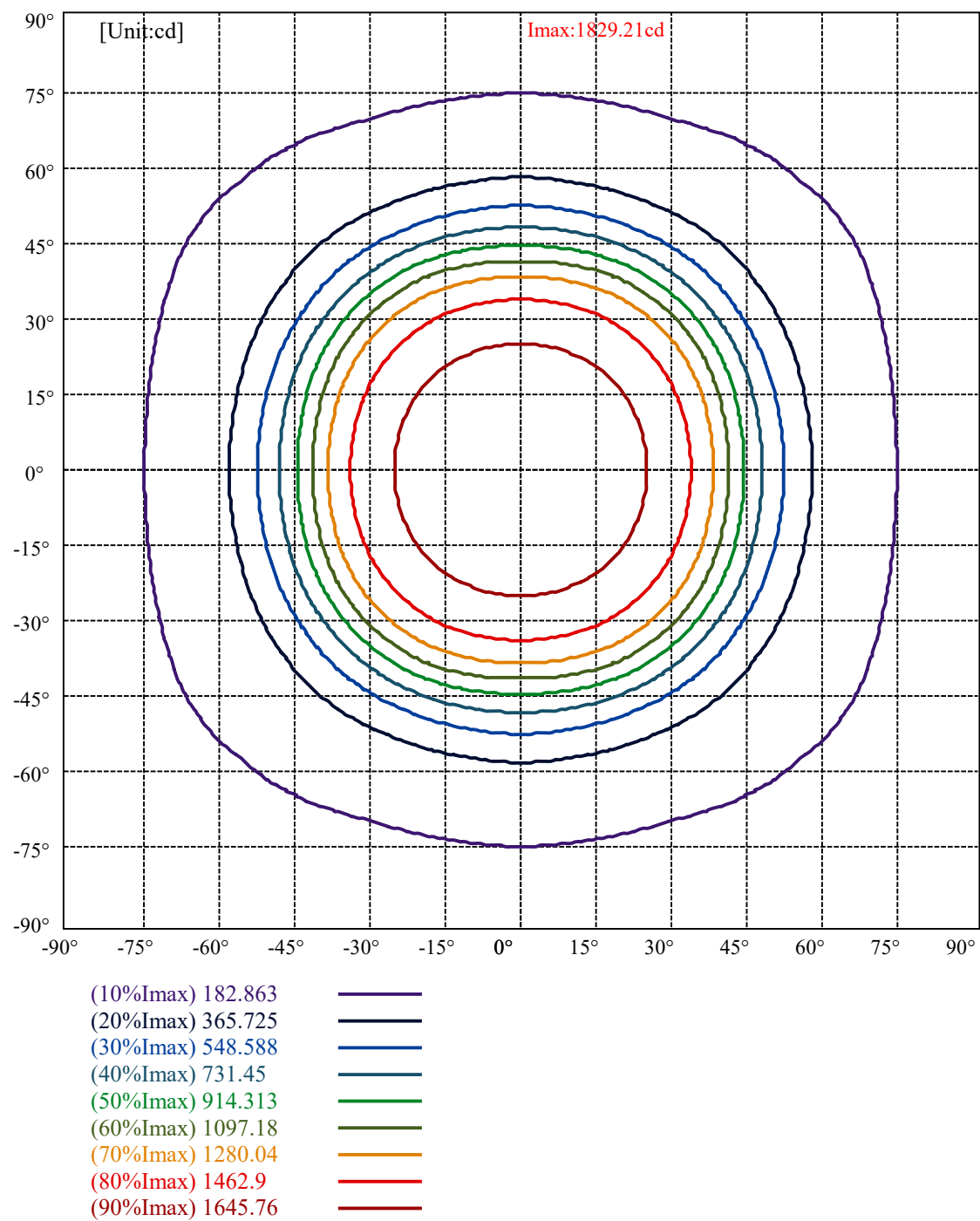
ZONAL LUMEN SUMMARY

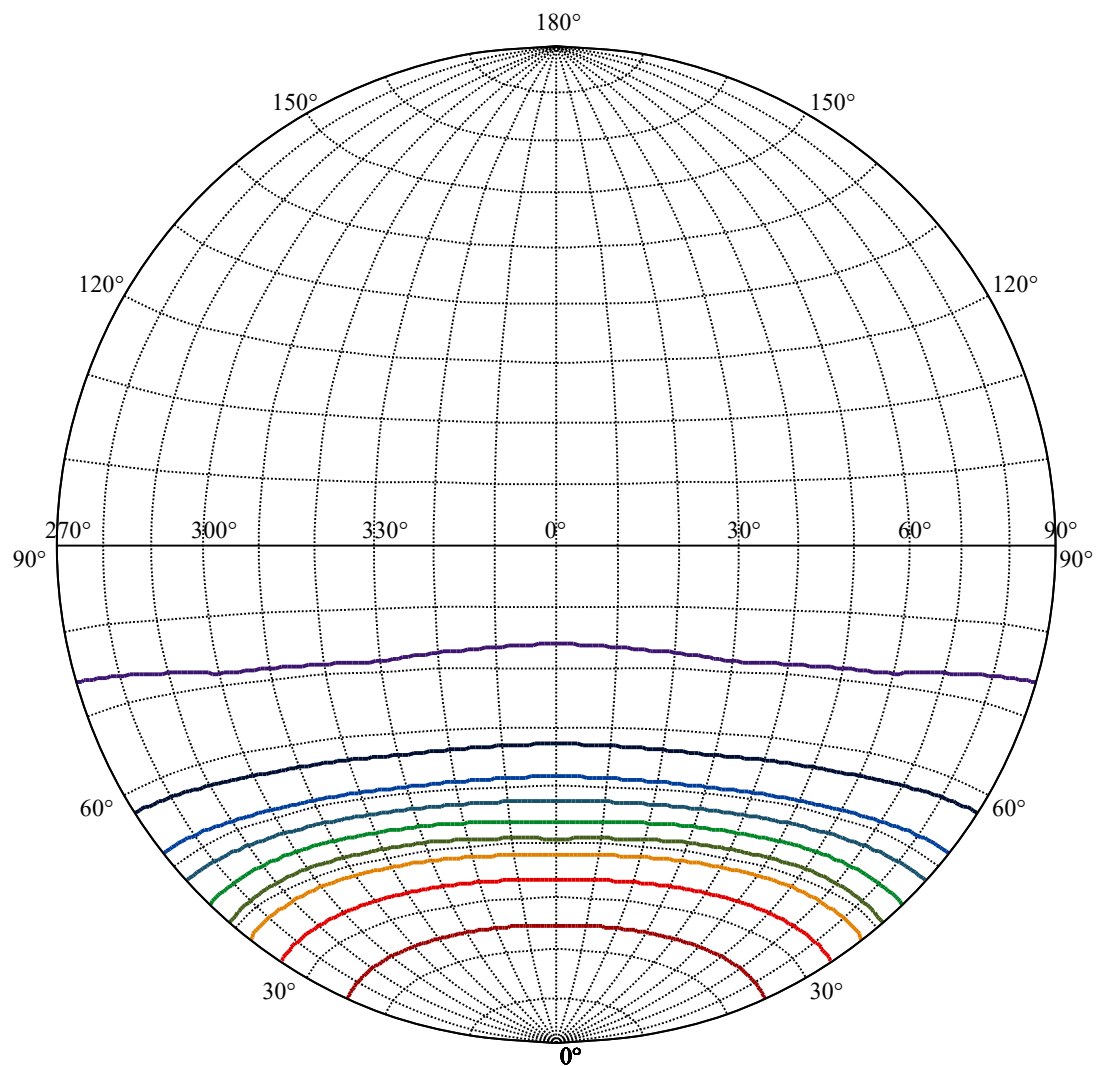
0-10	173.17
10-20	497.81
20-30	756.65
30-40	874.52
40-50	673.07
50-60	381.87
60-70	245.62
70-80	170.95
80-90	66.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C90 plane 87.97



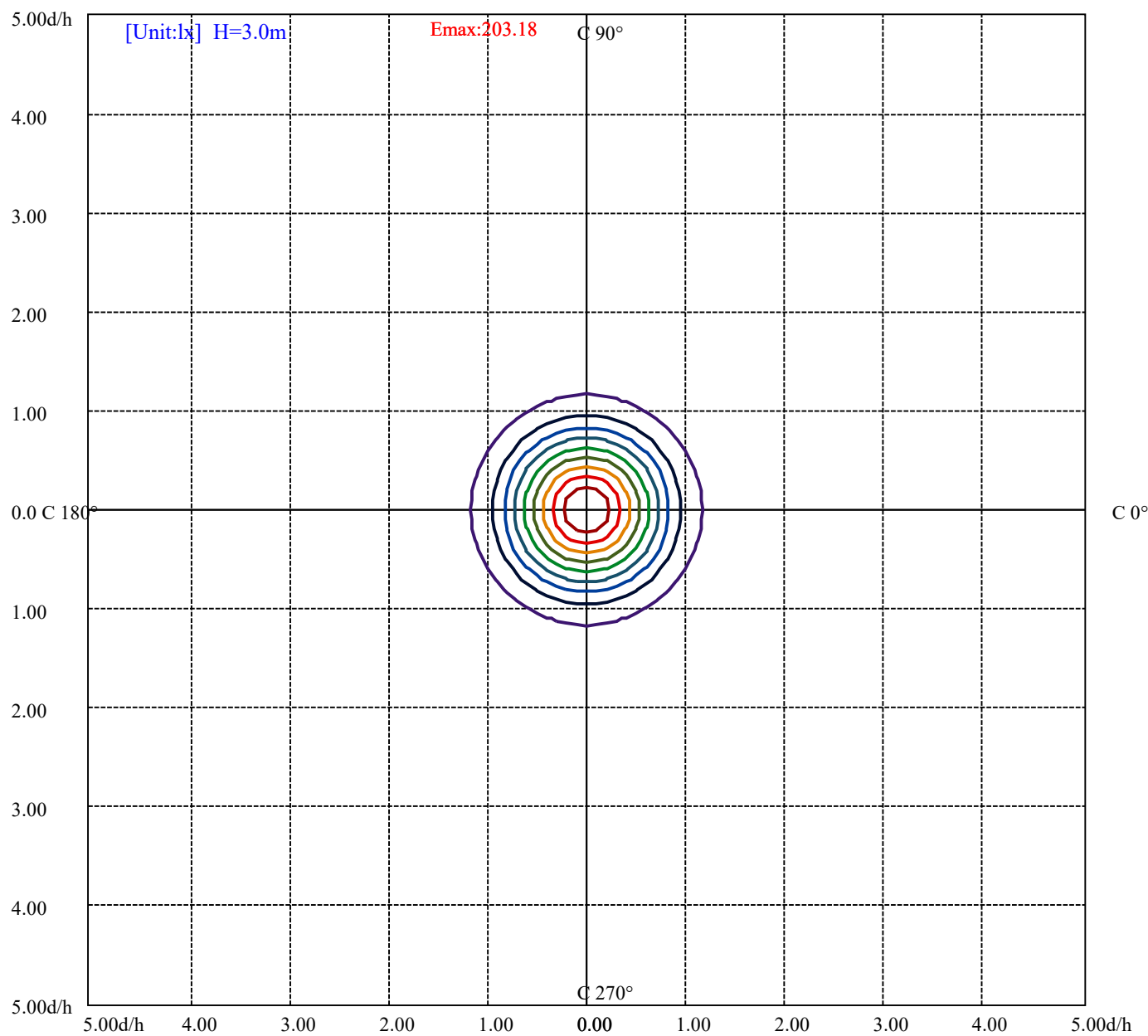


House

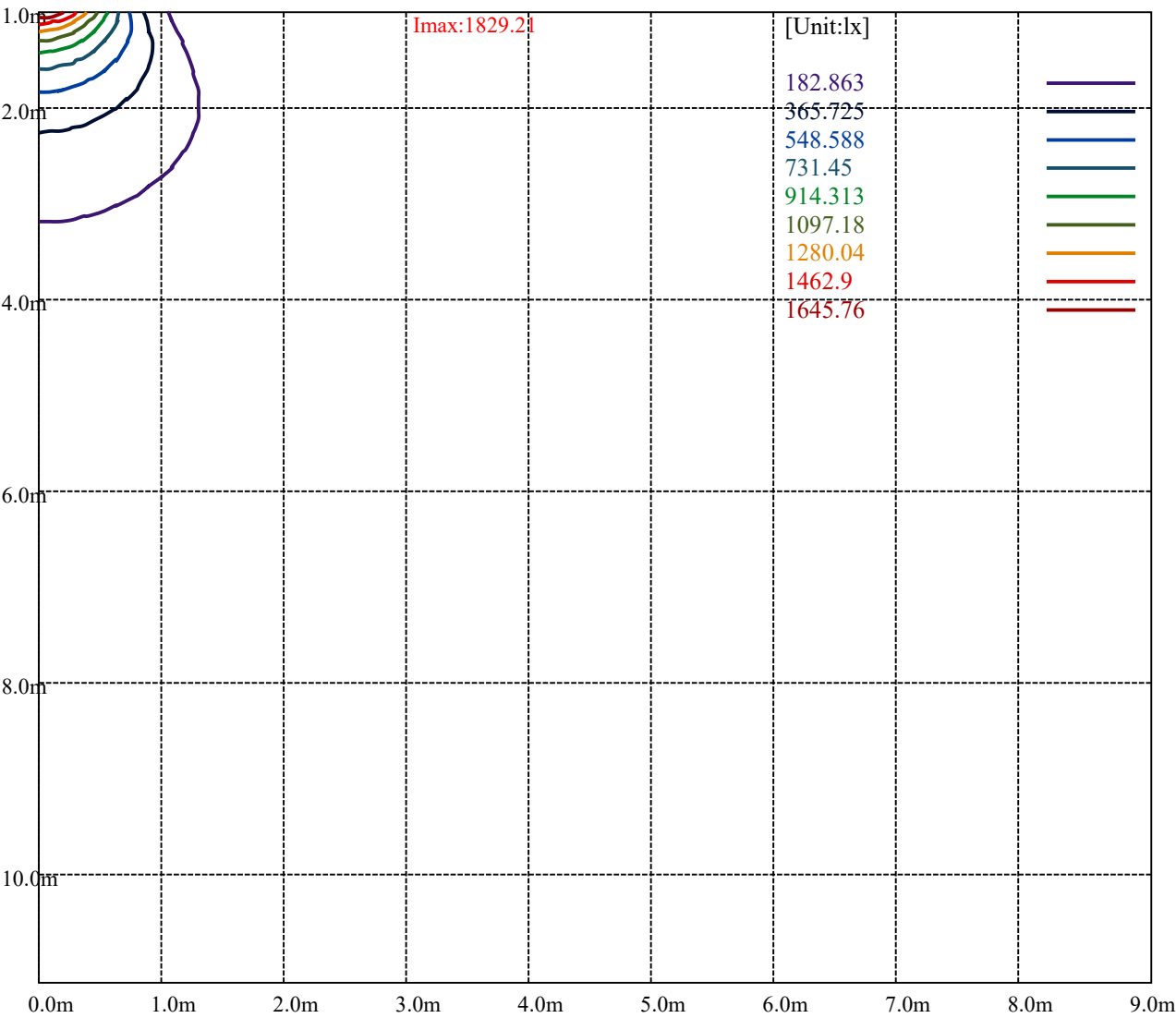
[Unit:cd]

Road

Imax:1829.21	
(10%Imax) 182.911	
(20%Imax) 365.822	
(30%Imax) 548.733	
(40%Imax) 731.644	
(50%Imax) 914.555	
(60%Imax) 1097.47	
(70%Imax) 1280.38	
(80%Imax) 1463.29	
(90%Imax) 1646.2	



(10%Emax)	20.31811	
(20%Emax)	40.63611	
(30%Emax)	60.95422	
(40%Emax)	81.27222	
(50%Emax)	101.5903	
(60%Emax)	121.9089	
(70%Emax)	142.2267	
(80%Emax)	162.5444	
(90%Emax)	182.8622	



Luminance Limiting Curve(no luminous side)

Appendix Page: 14 Total:21

Luminance Table

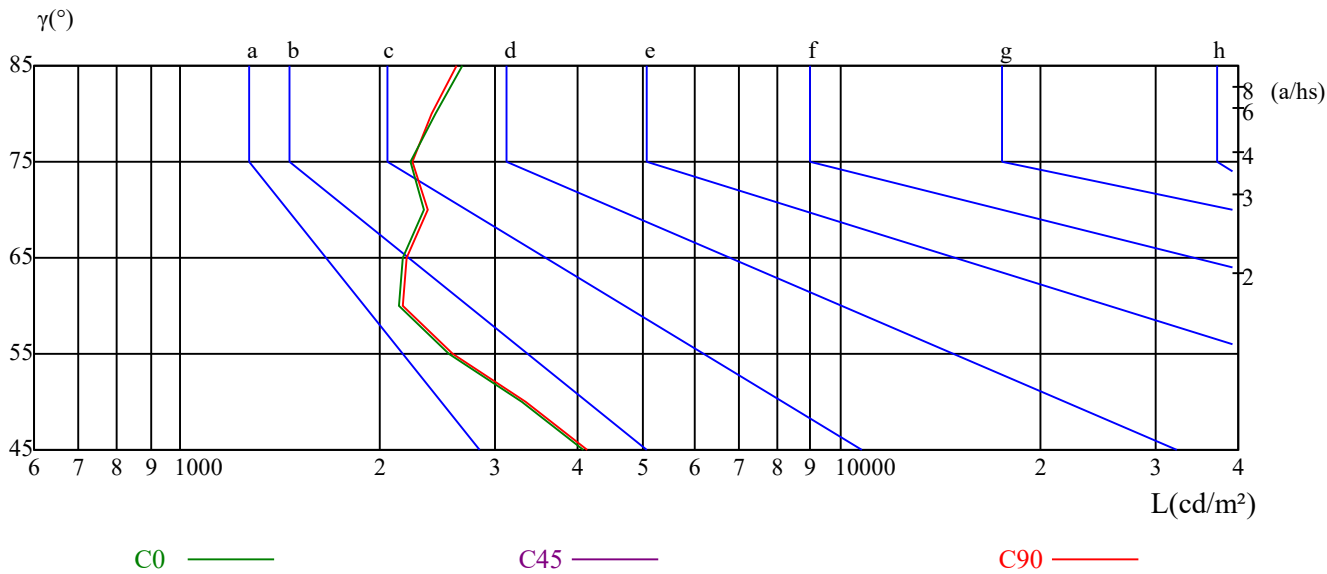
γ	45	50	55	60	65	70	75	80	85
C0	4088	3291	2549	2143	2175	2344	2235	2427	2673
C45	0	0	0	0	0	0	0	0	0
C90	4134	3330	2580	2173	2204	2366	2245	2406	2624

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2175	2204	0	2235	2245	0	2673	2624	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	15.16	16.61	15.52	16.92	17.23	15.21	16.65	15.57	16.97	17.28	
	3H	16.34	17.64	16.73	17.98	18.32	16.40	17.69	16.78	18.03	18.37	
	4H	16.94	18.16	17.34	18.51	18.87	16.99	18.21	17.39	18.56	18.92	
	6H	17.55	18.67	17.96	19.04	19.44	17.58	18.71	17.99	19.08	19.47	
	8H	17.81	18.89	18.22	19.27	19.67	17.84	18.92	18.25	19.30	19.70	
	12H	18.03	19.06	18.45	19.45	19.86	18.04	19.08	18.46	19.46	19.88	
4H	2H	15.45	16.66	15.84	17.01	17.37	15.49	16.70	15.88	17.05	17.42	
	3H	16.84	17.87	17.26	18.26	18.67	16.89	17.92	17.31	18.30	18.71	
	4H	17.66	18.56	18.09	18.98	19.42	17.70	18.60	18.13	19.02	19.46	
	6H	18.41	19.22	18.87	19.66	20.10	18.43	19.24	18.90	19.68	20.13	
	8H	18.79	19.54	19.26	19.99	20.46	18.80	19.56	19.28	20.00	20.47	
	12H	19.11	19.81	19.59	20.26	20.76	19.11	19.81	19.59	20.26	20.76	
8H	4H	17.90	18.65	18.38	19.10	19.57	17.94	18.69	18.41	19.14	19.60	
	6H	18.82	19.45	19.31	19.92	20.42	18.84	19.47	19.33	19.94	20.44	
	8H	19.36	19.91	19.88	20.42	20.91	19.37	19.92	19.88	20.43	20.92	
	12H	19.80	20.26	20.32	20.77	21.28	19.79	20.25	20.31	20.76	21.27	
12H	4H	17.94	18.64	18.42	19.08	19.59	17.98	18.68	18.46	19.12	19.63	
	6H	18.96	19.51	19.47	20.02	20.51	18.97	19.53	19.49	20.04	20.53	
	8H	19.51	19.97	20.03	20.48	20.99	19.51	19.97	20.04	20.48	20.99	
Variation with the observer position at spacings:												
S = 1.0H		0.5/-0.8					0.5/-0.8					
S = 1.5H		0.9/-1.1					0.9/-1.1					
S = 2.0H		1.4/-1.0					1.4/-1.0					
Standard tables:		BKBF					BKBF					
Uncorrected UGR		3.9					3.9					

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	1828.63	1828.40	1827.90	1827.65	1827.08	1826.20	1825.44	1824.54	1823.45
30.0	1828.63	1829.05	1829.11	1828.78	1828.28	1827.58	1826.76	1825.85	1824.81
60.0	1828.63	1828.79	1828.72	1828.28	1827.92	1827.26	1826.46	1825.54	1824.45
90.0	1828.63	1829.21	1828.46	1827.47	1826.98	1826.14	1825.29	1824.27	1823.13
120.0	1828.63	1828.79	1828.72	1828.28	1827.92	1827.26	1826.46	1825.54	1824.45
150.0	1828.63	1829.05	1829.11	1828.78	1828.28	1827.58	1826.76	1825.85	1824.81
180.0	1828.63	1828.40	1827.90	1827.65	1827.08	1826.20	1825.44	1824.54	1823.45
210.0	1828.63	1829.05	1829.11	1828.78	1828.28	1827.58	1826.76	1825.85	1824.81
240.0	1828.63	1828.79	1828.72	1828.28	1827.92	1827.26	1826.46	1825.54	1824.45
270.0	1828.63	1829.21	1828.46	1827.47	1826.98	1826.14	1825.29	1824.27	1823.13
300.0	1828.63	1828.79	1828.72	1828.28	1827.92	1827.26	1826.46	1825.54	1824.45
330.0	1828.63	1829.05	1829.11	1828.78	1828.28	1827.58	1826.76	1825.85	1824.81
360.0	1828.63	1828.40	1827.90	1827.65	1827.08	1826.20	1825.44	1824.54	1823.45
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1822.20	1820.68	1819.04	1817.30	1815.59	1813.63	1811.44	1809.28	1806.96
30.0	1823.52	1822.05	1820.46	1818.73	1816.94	1814.98	1812.82	1810.57	1808.23
60.0	1823.26	1821.81	1820.25	1818.54	1816.72	1814.64	1812.49	1810.20	1807.85
90.0	1822.06	1820.57	1818.91	1817.19	1815.44	1813.21	1811.07	1808.87	1806.23
120.0	1823.26	1821.81	1820.25	1818.54	1816.72	1814.64	1812.49	1810.20	1807.85
150.0	1823.52	1822.05	1820.46	1818.73	1816.94	1814.98	1812.82	1810.57	1808.23
180.0	1822.20	1820.68	1819.04	1817.30	1815.59	1813.63	1811.44	1809.28	1806.96
210.0	1823.52	1822.05	1820.46	1818.73	1816.94	1814.98	1812.82	1810.57	1808.23
240.0	1823.26	1821.81	1820.25	1818.54	1816.72	1814.64	1812.49	1810.20	1807.85
270.0	1822.06	1820.57	1818.91	1817.19	1815.44	1813.21	1811.07	1808.87	1806.23
300.0	1823.26	1821.81	1820.25	1818.54	1816.72	1814.64	1812.49	1810.20	1807.85
330.0	1823.52	1822.05	1820.46	1818.73	1816.94	1814.98	1812.82	1810.57	1808.23
360.0	1822.20	1820.68	1819.04	1817.30	1815.59	1813.63	1811.44	1809.28	1806.96
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1804.37	1801.72	1798.96	1796.03	1792.90	1789.56	1786.21	1782.76	1779.39
30.0	1805.69	1803.01	1800.23	1797.32	1794.19	1790.94	1787.57	1783.98	1780.37
60.0	1805.40	1802.72	1800.02	1797.11	1793.93	1790.73	1787.22	1783.61	1779.87
90.0	1803.96	1801.33	1798.81	1795.76	1792.53	1789.29	1785.67	1782.19	1778.53
120.0	1805.40	1802.72	1800.02	1797.11	1793.93	1790.73	1787.22	1783.61	1779.87
150.0	1805.69	1803.01	1800.23	1797.32	1794.19	1790.94	1787.57	1783.98	1780.37
180.0	1804.37	1801.72	1798.96	1796.03	1792.90	1789.56	1786.21	1782.76	1779.39
210.0	1805.69	1803.01	1800.23	1797.32	1794.19	1790.94	1787.57	1783.98	1780.37
240.0	1805.40	1802.72	1800.02	1797.11	1793.93	1790.73	1787.22	1783.61	1779.87
270.0	1803.96	1801.33	1798.81	1795.76	1792.53	1789.29	1785.67	1782.19	1778.53
300.0	1805.40	1802.72	1800.02	1797.11	1793.93	1790.73	1787.22	1783.61	1779.87
330.0	1805.69	1803.01	1800.23	1797.32	1794.19	1790.94	1787.57	1783.98	1780.37
360.0	1804.37	1801.72	1798.96	1796.03	1792.90	1789.56	1786.21	1782.76	1779.39
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1775.55	1771.49	1767.32	1763.23	1758.77	1754.13	1749.42	1744.56	1739.61
30.0	1776.55	1772.46	1768.35	1764.22	1759.77	1755.08	1750.34	1745.49	1740.48
60.0	1775.90	1771.92	1767.85	1763.59	1759.09	1754.48	1749.65	1744.75	1739.80
90.0	1774.47	1770.50	1766.46	1762.13	1757.49	1753.14	1748.38	1743.14	1738.44
120.0	1775.90	1771.92	1767.85	1763.59	1759.09	1754.48	1749.65	1744.75	1739.80
150.0	1776.55	1772.46	1768.35	1764.22	1759.77	1755.08	1750.34	1745.49	1740.48
180.0	1775.55	1771.49	1767.32	1763.23	1758.77	1754.13	1749.42	1744.56	1739.61
210.0	1776.55	1772.46	1768.35	1764.22	1759.77	1755.08	1750.34	1745.49	1740.48
240.0	1775.90	1771.92	1767.85	1763.59	1759.09	1754.48	1749.65	1744.75	1739.80
270.0	1774.47	1770.50	1766.46	1762.13	1757.49	1753.14	1748.38	1743.14	1738.44
300.0	1775.90	1771.92	1767.85	1763.59	1759.09	1754.48	1749.65	1744.75	1739.80
330.0	1776.55	1772.46	1768.35	1764.22	1759.77	1755.08	1750.34	1745.49	1740.48
360.0	1775.55	1771.49	1767.32	1763.23	1758.77	1754.13	1749.42	1744.56	1739.61

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	1734.44	1729.09	1723.43	1717.66	1711.80	1705.90	1699.88	1693.48	1686.90
30.0	1735.32	1729.94	1724.33	1718.61	1712.69	1706.67	1700.66	1694.42	1687.90
60.0	1734.59	1729.12	1723.55	1717.85	1711.85	1705.78	1699.81	1693.66	1687.10
90.0	1733.16	1727.66	1721.97	1716.25	1710.32	1704.21	1698.36	1692.12	1685.49
120.0	1734.59	1729.12	1723.55	1717.85	1711.85	1705.78	1699.81	1693.66	1687.10
150.0	1735.32	1729.94	1724.33	1718.61	1712.69	1706.67	1700.66	1694.42	1687.90
180.0	1734.44	1729.09	1723.43	1717.66	1711.80	1705.90	1699.88	1693.48	1686.90
210.0	1735.32	1729.94	1724.33	1718.61	1712.69	1706.67	1700.66	1694.42	1687.90
240.0	1734.59	1729.12	1723.55	1717.85	1711.85	1705.78	1699.81	1693.66	1687.10
270.0	1733.16	1727.66	1721.97	1716.25	1710.32	1704.21	1698.36	1692.12	1685.49
300.0	1734.59	1729.12	1723.55	1717.85	1711.85	1705.78	1699.81	1693.66	1687.10
330.0	1735.32	1729.94	1724.33	1718.61	1712.69	1706.67	1700.66	1694.42	1687.90
360.0	1734.44	1729.09	1723.43	1717.66	1711.80	1705.90	1699.88	1693.48	1686.90

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1680.16	1673.08	1665.95	1658.46	1650.86	1642.93	1634.64	1626.30	1617.81
30.0	1681.12	1674.12	1667.06	1659.74	1652.17	1644.36	1636.25	1628.08	1619.65
60.0	1680.25	1673.25	1666.16	1658.95	1651.45	1643.71	1635.78	1627.51	1618.99
90.0	1678.54	1671.47	1664.34	1656.99	1649.60	1641.96	1633.77	1625.36	1616.71
120.0	1680.25	1673.25	1666.16	1658.95	1651.45	1643.71	1635.78	1627.51	1618.99
150.0	1681.12	1674.12	1667.06	1659.74	1652.17	1644.36	1636.25	1628.08	1619.65
180.0	1680.16	1673.08	1665.95	1658.46	1650.86	1642.93	1634.64	1626.30	1617.81
210.0	1681.12	1674.12	1667.06	1659.74	1652.17	1644.36	1636.25	1628.08	1619.65
240.0	1680.25	1673.25	1666.16	1658.95	1651.45	1643.71	1635.78	1627.51	1618.99
270.0	1678.54	1671.47	1664.34	1656.99	1649.60	1641.96	1633.77	1625.36	1616.71
300.0	1680.25	1673.25	1666.16	1658.95	1651.45	1643.71	1635.78	1627.51	1618.99
330.0	1681.12	1674.12	1667.06	1659.74	1652.17	1644.36	1636.25	1628.08	1619.65
360.0	1680.16	1673.08	1665.95	1658.46	1650.86	1642.93	1634.64	1626.30	1617.81

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1608.94	1599.97	1590.66	1581.11	1571.11	1560.83	1550.16	1539.18	1527.90
30.0	1610.95	1602.15	1592.98	1583.52	1573.71	1563.55	1553.08	1542.33	1531.22
60.0	1610.47	1601.64	1592.53	1583.11	1573.32	1563.20	1552.72	1542.03	1530.88
90.0	1608.13	1599.14	1590.03	1580.44	1570.52	1560.35	1549.68	1538.87	1527.49
120.0	1610.47	1601.64	1592.53	1583.11	1573.32	1563.20	1552.72	1542.03	1530.88
150.0	1610.95	1602.15	1592.98	1583.52	1573.71	1563.55	1553.08	1542.33	1531.22
180.0	1608.94	1599.97	1590.66	1581.11	1571.11	1560.83	1550.16	1539.18	1527.90
210.0	1610.95	1602.15	1592.98	1583.52	1573.71	1563.55	1553.08	1542.33	1531.22
240.0	1610.47	1601.64	1592.53	1583.11	1573.32	1563.20	1552.72	1542.03	1530.88
270.0	1608.13	1599.14	1590.03	1580.44	1570.52	1560.35	1549.68	1538.87	1527.49
300.0	1610.47	1601.64	1592.53	1583.11	1573.32	1563.20	1552.72	1542.03	1530.88
330.0	1610.95	1602.15	1592.98	1583.52	1573.71	1563.55	1553.08	1542.33	1531.22
360.0	1608.94	1599.97	1590.66	1581.11	1571.11	1560.83	1550.16	1539.18	1527.90

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1515.97	1503.39	1490.21	1476.17	1461.37	1445.62	1428.54	1410.17	1390.55
30.0	1519.58	1507.46	1494.84	1481.55	1467.68	1453.11	1437.57	1421.10	1403.68
60.0	1519.25	1507.20	1494.68	1481.57	1467.87	1453.33	1437.90	1421.58	1404.32
90.0	1515.60	1502.98	1490.36	1476.55	1462.17	1446.51	1429.72	1411.68	1392.51
120.0	1519.25	1507.20	1494.68	1481.57	1467.87	1453.33	1437.90	1421.58	1404.32
150.0	1519.58	1507.46	1494.84	1481.55	1467.68	1453.11	1437.57	1421.10	1403.68
180.0	1515.97	1503.39	1490.21	1476.17	1461.37	1445.62	1428.54	1410.17	1390.55
210.0	1519.58	1507.46	1494.84	1481.55	1467.68	1453.11	1437.57	1421.10	1403.68
240.0	1519.25	1507.20	1494.68	1481.57	1467.87	1453.33	1437.90	1421.58	1404.32
270.0	1515.60	1502.98	1490.36	1476.55	1462.17	1446.51	1429.72	1411.68	1392.51
300.0	1519.25	1507.20	1494.68	1481.57	1467.87	1453.33	1437.90	1421.58	1404.32
330.0	1519.58	1507.46	1494.84	1481.55	1467.68	1453.11	1437.57	1421.10	1403.68
360.0	1515.97	1503.39	1490.21	1476.17	1461.37	1445.62	1428.54	1410.17	1390.55

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	1369.46	1346.56	1322.03	1296.13	1268.57	1239.44	1209.29	1178.20	1146.40
30.0	1385.20	1365.48	1344.42	1322.16	1298.46	1273.36	1247.15	1219.54	1190.68
60.0	1386.05	1366.57	1345.84	1323.84	1300.25	1275.38	1249.50	1222.31	1193.75
90.0	1371.91	1349.63	1325.61	1300.47	1273.04	1244.33	1214.95	1184.57	1153.44
120.0	1386.05	1366.57	1345.84	1323.84	1300.25	1275.38	1249.50	1222.31	1193.75
150.0	1385.20	1365.48	1344.42	1322.16	1298.46	1273.36	1247.15	1219.54	1190.68
180.0	1369.46	1346.56	1322.03	1296.13	1268.57	1239.44	1209.29	1178.20	1146.40
210.0	1385.20	1365.48	1344.42	1322.16	1298.46	1273.36	1247.15	1219.54	1190.68
240.0	1386.05	1366.57	1345.84	1323.84	1300.25	1275.38	1249.50	1222.31	1193.75
270.0	1371.91	1349.63	1325.61	1300.47	1273.04	1244.33	1214.95	1184.57	1153.44
300.0	1386.05	1366.57	1345.84	1323.84	1300.25	1275.38	1249.50	1222.31	1193.75
330.0	1385.20	1365.48	1344.42	1322.16	1298.46	1273.36	1247.15	1219.54	1190.68
360.0	1369.46	1346.56	1322.03	1296.13	1268.57	1239.44	1209.29	1178.20	1146.40

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1114.45	1082.66	1050.99	1019.67	989.27	959.86	931.24	903.61	877.15
30.0	1160.92	1130.36	1098.78	1066.47	1033.88	1001.09	968.13	935.46	903.30
60.0	1164.32	1134.10	1102.66	1070.52	1038.11	1005.32	972.60	940.06	907.85
90.0	1122.07	1090.78	1059.32	1028.32	998.16	968.81	940.51	913.24	886.64
120.0	1164.32	1134.10	1102.66	1070.52	1038.11	1005.32	972.60	940.06	907.85
150.0	1160.92	1130.36	1098.78	1066.47	1033.88	1001.09	968.13	935.46	903.30
180.0	1114.45	1082.66	1050.99	1019.67	989.27	959.86	931.24	903.61	877.15
210.0	1160.92	1130.36	1098.78	1066.47	1033.88	1001.09	968.13	935.46	903.30
240.0	1164.32	1134.10	1102.66	1070.52	1038.11	1005.32	972.60	940.06	907.85
270.0	1122.07	1090.78	1059.32	1028.32	998.16	968.81	940.51	913.24	886.64
300.0	1164.32	1134.10	1102.66	1070.52	1038.11	1005.32	972.60	940.06	907.85
330.0	1160.92	1130.36	1098.78	1066.47	1033.88	1001.09	968.13	935.46	903.30
360.0	1114.45	1082.66	1050.99	1019.67	989.27	959.86	931.24	903.61	877.15

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	851.29	826.16	801.91	778.39	755.37	732.60	710.27	688.06	665.95
30.0	871.38	839.98	809.55	780.15	751.56	723.74	696.95	671.03	645.97
60.0	875.99	844.59	814.23	784.64	755.97	728.09	701.21	675.31	650.02
90.0	860.91	835.75	811.46	787.62	764.41	741.57	718.87	696.52	674.19
120.0	875.99	844.59	814.23	784.64	755.97	728.09	701.21	675.31	650.02
150.0	871.38	839.98	809.55	780.15	751.56	723.74	696.95	671.03	645.97
180.0	851.29	826.16	801.91	778.39	755.37	732.60	710.27	688.06	665.95
210.0	871.38	839.98	809.55	780.15	751.56	723.74	696.95	671.03	645.97
240.0	875.99	844.59	814.23	784.64	755.97	728.09	701.21	675.31	650.02
270.0	860.91	835.75	811.46	787.62	764.41	741.57	718.87	696.52	674.19
300.0	875.99	844.59	814.23	784.64	755.97	728.09	701.21	675.31	650.02
330.0	871.38	839.98	809.55	780.15	751.56	723.74	696.95	671.03	645.97
360.0	851.29	826.16	801.91	778.39	755.37	732.60	710.27	688.06	665.95

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	644.30	622.95	601.71	580.72	560.03	539.47	519.24	499.94	481.53
30.0	621.77	598.14	574.85	552.30	531.00	510.45	490.58	471.87	454.08
60.0	625.67	601.85	578.51	556.01	534.56	513.89	494.02	475.04	456.99
90.0	652.26	630.46	609.04	588.02	567.13	546.30	525.86	506.00	487.34
120.0	625.67	601.85	578.51	556.01	534.56	513.89	494.02	475.04	456.99
150.0	621.77	598.14	574.85	552.30	531.00	510.45	490.58	471.87	454.08
180.0	644.30	622.95	601.71	580.72	560.03	539.47	519.24	499.94	481.53
210.0	621.77	598.14	574.85	552.30	531.00	510.45	490.58	471.87	454.08
240.0	625.67	601.85	578.51	556.01	534.56	513.89	494.02	475.04	456.99
270.0	652.26	630.46	609.04	588.02	567.13	546.30	525.86	506.00	487.34
300.0	625.67	601.85	578.51	556.01	534.56	513.89	494.02	475.04	456.99
330.0	621.77	598.14	574.85	552.30	531.00	510.45	490.58	471.87	454.08
360.0	644.30	622.95	601.71	580.72	560.03	539.47	519.24	499.94	481.53

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	463.76	446.82	430.59	415.16	400.59	386.83	373.93	361.89	350.88
30.0	437.03	420.85	405.43	390.77	376.90	363.81	351.33	339.46	328.33
60.0	439.86	423.53	408.06	393.32	379.43	366.35	353.89	342.05	330.86
90.0	469.29	452.25	435.91	420.32	405.71	392.01	379.13	367.11	356.06
120.0	439.86	423.53	408.06	393.32	379.43	366.35	353.89	342.05	330.86
150.0	437.03	420.85	405.43	390.77	376.90	363.81	351.33	339.46	328.33
180.0	463.76	446.82	430.59	415.16	400.59	386.83	373.93	361.89	350.88
210.0	437.03	420.85	405.43	390.77	376.90	363.81	351.33	339.46	328.33
240.0	439.86	423.53	408.06	393.32	379.43	366.35	353.89	342.05	330.86
270.0	469.29	452.25	435.91	420.32	405.71	392.01	379.13	367.11	356.06
300.0	439.86	423.53	408.06	393.32	379.43	366.35	353.89	342.05	330.86
330.0	437.03	420.85	405.43	390.77	376.90	363.81	351.33	339.46	328.33
360.0	463.76	446.82	430.59	415.16	400.59	386.83	373.93	361.89	350.88

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	340.73	331.39	323.02	315.52	308.75	302.61	297.22	292.39	287.87
30.0	317.86	307.99	298.73	290.01	281.77	274.03	266.88	260.18	253.89
60.0	320.28	310.31	300.99	292.16	283.85	276.06	268.86	262.06	255.61
90.0	345.67	336.26	327.80	320.07	313.18	306.98	301.56	296.62	291.93
120.0	320.28	310.31	300.99	292.16	283.85	276.06	268.86	262.06	255.61
150.0	317.86	307.99	298.73	290.01	281.77	274.03	266.88	260.18	253.89
180.0	340.73	331.39	323.02	315.52	308.75	302.61	297.22	292.39	287.87
210.0	317.86	307.99	298.73	290.01	281.77	274.03	266.88	260.18	253.89
240.0	320.28	310.31	300.99	292.16	283.85	276.06	268.86	262.06	255.61
270.0	345.67	336.26	327.80	320.07	313.18	306.98	301.56	296.62	291.93
300.0	320.28	310.31	300.99	292.16	283.85	276.06	268.86	262.06	255.61
330.0	317.86	307.99	298.73	290.01	281.77	274.03	266.88	260.18	253.89
360.0	340.73	331.39	323.02	315.52	308.75	302.61	297.22	292.39	287.87

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	283.64	279.75	276.43	273.47	270.70	268.07	265.54	262.96	260.27
30.0	247.98	242.50	237.55	233.05	228.95	225.19	221.74	218.50	215.41
60.0	249.60	244.12	239.15	234.60	230.41	226.62	223.07	219.76	216.59
90.0	287.44	283.56	280.21	277.18	274.28	271.58	268.84	266.14	263.29
120.0	249.60	244.12	239.15	234.60	230.41	226.62	223.07	219.76	216.59
150.0	247.98	242.50	237.55	233.05	228.95	225.19	221.74	218.50	215.41
180.0	283.64	279.75	276.43	273.47	270.70	268.07	265.54	262.96	260.27
210.0	247.98	242.50	237.55	233.05	228.95	225.19	221.74	218.50	215.41
240.0	249.60	244.12	239.15	234.60	230.41	226.62	223.07	219.76	216.59
270.0	287.44	283.56	280.21	277.18	274.28	271.58	268.84	266.14	263.29
300.0	249.60	244.12	239.15	234.60	230.41	226.62	223.07	219.76	216.59
330.0	247.98	242.50	237.55	233.05	228.95	225.19	221.74	218.50	215.41
360.0	283.64	279.75	276.43	273.47	270.70	268.07	265.54	262.96	260.27

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	257.35	254.07	250.41	246.24	241.48	236.17	230.34	224.02	217.29
30.0	212.38	209.31	206.20	202.97	199.56	195.97	192.22	188.29	184.21
60.0	213.46	210.33	207.14	203.83	200.38	196.75	192.98	189.04	184.94
90.0	260.21	256.81	252.99	248.65	243.79	238.33	232.44	226.03	219.17
120.0	213.46	210.33	207.14	203.83	200.38	196.75	192.98	189.04	184.94
150.0	212.38	209.31	206.20	202.97	199.56	195.97	192.22	188.29	184.21
180.0	257.35	254.07	250.41	246.24	241.48	236.17	230.34	224.02	217.29
210.0	212.38	209.31	206.20	202.97	199.56	195.97	192.22	188.29	184.21
240.0	213.46	210.33	207.14	203.83	200.38	196.75	192.98	189.04	184.94
270.0	260.21	256.81	252.99	248.65	243.79	238.33	232.44	226.03	219.17
300.0	213.46	210.33	207.14	203.83	200.38	196.75	192.98	189.04	184.94
330.0	212.38	209.31	206.20	202.97	199.56	195.97	192.22	188.29	184.21
360.0	257.35	254.07	250.41	246.24	241.48	236.17	230.34	224.02	217.29

Intensity data(cd)

Appendix Page: 20 Total:21

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	210.37	203.31	196.21	189.29	182.64	176.33	170.41	164.89	159.72
30.0	180.08	175.88	171.61	167.37	163.20	159.06	154.98	150.98	147.00
60.0	180.79	176.58	172.29	168.01	163.77	159.51	155.32	151.23	147.12
90.0	212.14	205.00	197.78	190.71	183.91	177.28	171.11	165.42	159.99
120.0	180.79	176.58	172.29	168.01	163.77	159.51	155.32	151.23	147.12
150.0	180.08	175.88	171.61	167.37	163.20	159.06	154.98	150.98	147.00
180.0	210.37	203.31	196.21	189.29	182.64	176.33	170.41	164.89	159.72
210.0	180.08	175.88	171.61	167.37	163.20	159.06	154.98	150.98	147.00
240.0	180.79	176.58	172.29	168.01	163.77	159.51	155.32	151.23	147.12
270.0	212.14	205.00	197.78	190.71	183.91	177.28	171.11	165.42	159.99
300.0	180.79	176.58	172.29	168.01	163.77	159.51	155.32	151.23	147.12
330.0	180.08	175.88	171.61	167.37	163.20	159.06	154.98	150.98	147.00
360.0	210.37	203.31	196.21	189.29	182.64	176.33	170.41	164.89	159.72

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	154.88	150.31	145.89	141.55	137.27	132.97	128.58	124.12	119.64
30.0	143.04	139.08	135.07	130.97	126.79	122.51	118.09	113.55	108.96
60.0	143.03	138.93	134.80	130.61	126.35	122.02	117.56	112.99	108.37
90.0	154.89	150.03	145.40	140.88	136.43	132.06	127.59	123.03	118.50
120.0	143.03	138.93	134.80	130.61	126.35	122.02	117.56	112.99	108.37
150.0	143.04	139.08	135.07	130.97	126.79	122.51	118.09	113.55	108.96
180.0	154.88	150.31	145.89	141.55	137.27	132.97	128.58	124.12	119.64
210.0	143.04	139.08	135.07	130.97	126.79	122.51	118.09	113.55	108.96
240.0	143.03	138.93	134.80	130.61	126.35	122.02	117.56	112.99	108.37
270.0	154.89	150.03	145.40	140.88	136.43	132.06	127.59	123.03	118.50
300.0	143.03	138.93	134.80	130.61	126.35	122.02	117.56	112.99	108.37
330.0	143.04	139.08	135.07	130.97	126.79	122.51	118.09	113.55	108.96
360.0	154.88	150.31	145.89	141.55	137.27	132.97	128.58	124.12	119.64

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	115.13	110.48	105.66	100.62	95.18	89.24	82.81	75.92	68.62
30.0	104.29	99.50	94.58	89.55	84.29	78.73	72.90	66.82	60.53
60.0	103.66	98.82	93.85	88.79	83.50	77.96	72.19	66.16	59.93
90.0	113.89	109.15	104.23	99.17	93.67	87.74	81.47	74.60	67.35
120.0	103.66	98.82	93.85	88.79	83.50	77.96	72.19	66.16	59.93
150.0	104.29	99.50	94.58	89.55	84.29	78.73	72.90	66.82	60.53
180.0	115.13	110.48	105.66	100.62	95.18	89.24	82.81	75.92	68.62
210.0	104.29	99.50	94.58	89.55	84.29	78.73	72.90	66.82	60.53
240.0	103.66	98.82	93.85	88.79	83.50	77.96	72.19	66.16	59.93
270.0	113.89	109.15	104.23	99.17	93.67	87.74	81.47	74.60	67.35
300.0	103.66	98.82	93.85	88.79	83.50	77.96	72.19	66.16	59.93
330.0	104.29	99.50	94.58	89.55	84.29	78.73	72.90	66.82	60.53
360.0	115.13	110.48	105.66	100.62	95.18	89.24	82.81	75.92	68.62

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	61.06	53.33	45.59	38.04	30.80	24.09	17.96	12.53	8.14
30.0	54.07	47.51	40.90	34.36	28.00	21.94	16.22	11.09	7.07
60.0	53.54	47.05	40.51	34.08	27.74	21.73	16.06	11.03	7.15
90.0	59.89	52.31	44.62	37.24	30.11	23.50	17.51	12.28	8.22
120.0	53.54	47.05	40.51	34.08	27.74	21.73	16.06	11.03	7.15
150.0	54.07	47.51	40.90	34.36	28.00	21.94	16.22	11.09	7.07
180.0	61.06	53.33	45.59	38.04	30.80	24.09	17.96	12.53	8.14
210.0	54.07	47.51	40.90	34.36	28.00	21.94	16.22	11.09	7.07
240.0	53.54	47.05	40.51	34.08	27.74	21.73	16.06	11.03	7.15
270.0	59.89	52.31	44.62	37.24	30.11	23.50	17.51	12.28	8.22
300.0	53.54	47.05	40.51	34.08	27.74	21.73	16.06	11.03	7.15
330.0	54.07	47.51	40.90	34.36	28.00	21.94	16.22	11.09	7.07
360.0	61.06	53.33	45.59	38.04	30.80	24.09	17.96	12.53	8.14

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	1.54
30.0	1.30
60.0	1.82
90.0	4.94
120.0	1.82
150.0	1.30
180.0	1.54
210.0	1.30
240.0	1.82
270.0	4.94
300.0	1.82
330.0	1.30
360.0	1.54