Report No	:	Voltage	: V
Test No	: A2401357A001	Current	: A
LumCAT	: LIT by CARDI	Power	: 32.000 W
Luminaire	: 0028920177 32W 4000K 3840lm	PF	:
LampCAT	:	Ballast type	:
Lamp flux	: 3840.0 lm	Width	: 555 mm
Number of Lamps	: 1	Length	: 555 mm
Phm Type	: C	Height	: 0 mm

Photometric Results

Lumens(lm)	: 3840.00	Central intensity(cd)	: 1828.060
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 1828.678
Luminous Efficacy(lm/W)	: 120.00	Angle of maximum intensity	: C=0.0 γ=0.5

Beam Angle(50%Imax)	: [C0/180]Total=87.8 [C90/270]Total=87.4
Field angle(10%Imax)	: [C0/180]Total=148.0 [C90/270]Total=147.8
Maximum s/h(1/2)	: C0_180=1.26 C90_270=1.26
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 :	: 87.405%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1828.060	0.000	0	0.00%	0.00%
0.5	1827.789	0.437	0.437	0.01%	0.01%
1.0	1827.607	1.312	1.749	0.03%	0.05%
1.5	1827.212	2.186	3.935	0.06%	0.10%
2.0	1826.679	3.059	6.994	0.08%	0.18%
2.5	1826.084	3.932	10.926	0.10%	0.28%
3.0	1825.211	4.803	15.728	0.13%	0.41%
3.5	1824.233	5.672	21.401	0.15%	0.56%
4.0	1823.171	6.540	27.941	0.17%	0.73%
4.5	1821.910	7.406	35.346	0.19%	0.92%
5.0	1820.518	8.269	43.615	0.22%	1.14%
5.5	1818.958	9.130	52.745	0.24%	1.37%
6.0	1817.211	9.987	62.733	0.26%	1.63%
6.5	1815.470	10.842	73.575	0.28%	1.92%
7.0	1813.585	11.694	85.269	0.30%	2.22%
7.5	1811.407	12.542	97.811	0.33%	2.55%
8.0	1809.302	13.386	111.197	0.35%	2.90%
8.5	1806.957	14.226	125.423	0.37%	3.27%
9.0	1804.357	15.061	140.484	0.39%	3.66%
9.5	1801.761	15.892	156.375	0.41%	4.07%
10.0	1798.958	16.717	173.093	0.44%	4.51%
10.5	1796.008	17.538	190.631	0.46%	4.96%
11.0	1792.903	18.352	208.983	0.48%	5.44%
11.5	1789.663	19.161	228.144	0.50%	5.94%
12.0	1786.379	19.965	248.109	0.52%	6.46%
12.5	1783.073	20.763	268.872	0.54%	7.00%
13.0	1779.634	21.556	290.429	0.56%	7.56%
13.5	1775.866	22.341	312.77	0.58%	8.15%
14.0	1772.046	23.119	335.889	0.60%	8.75%
14.5	1767.960	23.889	359.779	0.62%	9.37%
15.0	1763.608	24.650	384.429	0.64%	10.01%
15.5	1759.300	25.404	409.833	0.66%	10.67%
16.0	1754.794	26.151	435.984	0.68%	11.35%
16.5	1750.070	26.888	462.872	0.70%	12.05%
17.0	1745.227	27.616	490.489	0.72%	12.77%
17.5	1740.329	28.337	518.826	0.74%	13.51%
18.0	1735.213	29.049	547.874	0.76%	14.27%
18.5	1730.072	29.751	577.626	0.77%	15.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1724.757	30.445	608.071	0.79%	15.84%
19.5	1719.100	31.128	639.199	0.81%	16.65%
20.0	1713.400	31.799	670.998	0.83%	17.47%
20.5	1707.439	32.460	703.458	0.85%	18.32%
21.0	1701.409	33.110	736.568	0.86%	19.18%
21.5	1695.137	33.749	770.318	0.88%	20.06%
22.0	1688.607	34.375	804.693	0.90%	20.96%
22.5	1682.027	34.990	839.683	0.91%	21.87%
23.0	1675.492	35.596	875.279	0.93%	22.79%
23.5	1668.609	36.190	911.47	0.94%	23.74%
24.0	1661.342	36.768	948.237	0.96%	24.69%
24.5	1653.947	37.330	985.567	0.97%	25.67%
25.0	1646.434	37.881	1023.448	0.99%	26.65%
25.5	1638.334	38.414	1061.862	1.00%	27.65%
26.0	1630.420	38.933	1100.795	1.01%	28.67%
26.5	1622.212	39.440	1140.235	1.03%	29.69%
27.0	1613.552	39.928	1180.163	1.04%	30.73%
27.5	1604.764	40.399	1220.562	1.05%	31.79%
28.0	1595.628	40.853	1261.415	1.06%	32.85%
28.5	1586.157	41.288	1302.703	1.08%	33.92%
29.0	1576.659	41.707	1344.41	1.09%	35.01%
29.5	1566.741	42.108	1386.518	1.10%	36.11%
30.0	1556.318	42.486	1429.004	1.11%	37.21%
30.5	1545.587	42.841	1471.845	1.12%	38.33%
31.0	1534.649	43.177	1515.022	1.12%	39.45%
31.5	1522.977	43.487	1558.509	1.13%	40.59%
32.0	1510.771	43.766	1602.275	1.14%	41.73%
32.5	1498.196	44.019	1646.294	1.15%	42.87%
33.0	1484.879	44.242	1690.536	1.15%	44.02%
33.5	1471.093	44.433	1734.969	1.16%	45.18%
34.0	1456.375	44.589	1779.558	1.16%	46.34%
34.5	1440.435	44.697	1824.255	1.16%	47.51%
35.0	1423.604	44.756	1869.01	1.17%	48.67%
35.5	1405.532	44.765	1913.775	1.17%	49.84%
36.0	1386.411	44.720	1958.495	1.16%	51.00%
36.5	1365.675	44.614	2003.109	1.16%	52.16%
37.0	1343.500	44.440	2047.549	1.16%	53.32%
37.5	1319.836	44.197	2091.745	1.15%	54.47%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1294.633	43.882	2135.627	1.14%	55.62%
38.5	1267.741	43.491	2179.118	1.13%	56.75%
39.0	1239.569	43.025	2222.143	1.12%	57.87%
39.5	1210.189	42.493	2264.636	1.11%	58.97%
40.0	1179.981	41.901	2306.537	1.09%	60.07%
40.5	1148.633	41.249	2347.786	1.07%	61.14%
41.0	1117.123	40.547	2388.333	1.06%	62.20%
41.5	1084.925	39.805	2428.138	1.04%	63.23%
42.0	1052.484	39.019	2467.157	1.02%	64.25%
42.5	1019.887	38.201	2505.358	0.99%	65.24%
43.0	987.580	37.358	2542.716	0.97%	66.22%
43.5	955.579	36.501	2579.218	0.95%	67.17%
44.0	923.768	35.629	2614.847	0.93%	68.09%
44.5	893.088	34.757	2649.604	0.91%	69.00%
45.0	863.040	33.895	2683.498	0.88%	69.88%
45.5	833.553	33.033	2716.531	0.86%	70.74%
46.0	805.279	32.183	2748.714	0.84%	71.58%
46.5	777.672	31.349	2780.063	0.82%	72.40%
47.0	751.024	30.526	2810.589	0.79%	73.19%
47.5	724.883	29.713	2840.301	0.77%	73.97%
48.0	699.488	28.905	2869.207	0.75%	74.72%
48.5	674.939	28.112	2897.319	0.73%	75.45%
49.0	650.945	27.329	2924.648	0.71%	76.16%
49.5	627.577	26.554	2951.202	0.69%	76.85%
50.0	604.656	25.784	2976.985	0.67%	77.53%
50.5	582.019	25.013	3001.998	0.65%	78.18%
51.0	560.104	24.248	3026.246	0.63%	78.81%
51.5	538.844	23.497	3049.742	0.61%	79.42%
52.0	518.270	22.760	3072.502	0.59%	80.01%
52.5	498.355	22.038	3094.539	0.57%	80.59%
53.0	479.449	21.338	3115.878	0.56%	81.14%
53.5	461.400	20.667	3136.545	0.54%	81.68%
54.0	444.287	20.024	3156.569	0.52%	82.20%
54.5	428.052	19.409	3175.978	0.51%	82.71%
55.0	412.736	18.824	3194.802	0.49%	83.20%
55.5	398.032	18.263	3213.066	0.48%	83.67%
56.0	384.182	17.726	3230.792	0.46%	84.14%
56.5	371.167	17.218	3248.01	0.45%	84.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	358.585	16.731	3264.741	0.44%	85.02%
57.5	346.789	16.264	3281.005	0.42%	85.44%
58.0	335.705	15.824	3296.83	0.41%	85.85%
58.5	325.564	15.416	3312.246	0.40%	86.26%
59.0	316.126	15.040	3327.285	0.39%	86.65%
59.5	307.442	14.692	3341.977	0.38%	87.03%
60.0	299.379	14.371	3356.348	0.37%	87.40%
60.5	291.840	14.072	3370.421	0.37%	87.77%
61.0	284.797	13.793	3384.214	0.36%	88.13%
61.5	278.332	13.535	3397.749	0.35%	88.48%
62.0	272.329	13.298	3411.047	0.35%	88.83%
62.5	266.752	13.079	3424.127	0.34%	89.17%
63.0	261.614	12.878	3437.005	0.34%	89.51%
63.5	256.792	12.691	3449.696	0.33%	89.84%
64.0	252.328	12.518	3462.214	0.33%	90.16%
64.5	248.366	12.364	3474.578	0.32%	90.48%
65.0	244.856	12.230	3486.808	0.32%	90.80%
65.5	241.655	12.113	3498.921	0.32%	91.12%
66.0	238.715	12.008	3510.928	0.31%	91.43%
66.5	235.860	11.909	3522.837	0.31%	91.74%
67.0	233.011	11.810	3534.647	0.31%	92.05%
67.5	230.055	11.707	3546.355	0.30%	92.35%
68.0	226.923	11.595	3557.95	0.30%	92.65%
68.5	223.537	11.470	3569.421	0.30%	92.95%
69.0	219.854	11.329	3580.75	0.30%	93.25%
69.5	215.787	11.169	3591.919	0.29%	93.54%
70.0	211.324	10.986	3602.904	0.29%	93.83%
70.5	206.554	10.782	3613.687	0.28%	94.11%
71.0	201.456	10.560	3624.247	0.28%	94.38%
71.5	196.096	10.321	3634.568	0.27%	94.65%
72.0	190.665	10.070	3644.638	0.26%	94.91%
72.5	185.202	9.814	3654.452	0.26%	95.17%
73.0	179.749	9.555	3664.007	0.25%	95.42%
73.5	174.475	9.299	3673.306	0.24%	95.66%
74.0	169.375	9.050	3682.356	0.24%	95.89%
74.5	164.452	8.808	3691.165	0.23%	96.12%
75.0	159.715	8.574	3699.739	0.22%	96.35%
75.5	155.262	8.351	3708.09	0.22%	96.56%

Zonal flux distribution table

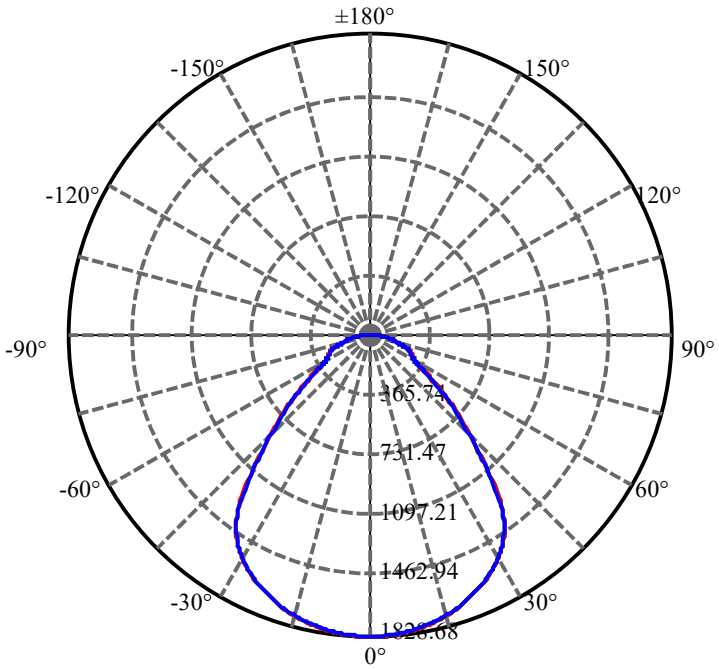
γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	150.960	8.137	3716.227	0.21%	96.78%
76.5	146.745	7.928	3724.154	0.21%	96.98%
77.0	142.608	7.722	3731.876	0.20%	97.18%
77.5	138.477	7.516	3739.392	0.20%	97.38%
78.0	134.346	7.309	3746.701	0.19%	97.57%
78.5	130.139	7.099	3753.8	0.18%	97.76%
79.0	125.861	6.884	3760.684	0.18%	97.93%
79.5	121.465	6.662	3767.345	0.17%	98.11%
80.0	116.955	6.432	3773.777	0.17%	98.28%
80.5	112.412	6.197	3779.975	0.16%	98.44%
81.0	107.836	5.960	3785.934	0.16%	98.59%
81.5	103.217	5.719	3791.653	0.15%	98.74%
82.0	98.512	5.473	3797.126	0.14%	98.88%
82.5	93.616	5.219	3802.346	0.14%	99.02%
83.0	88.359	4.949	3807.295	0.13%	99.15%
83.5	82.635	4.655	3811.95	0.12%	99.27%
84.0	76.499	4.337	3816.287	0.11%	99.38%
84.5	69.943	3.995	3820.281	0.10%	99.49%
85.0	63.063	3.631	3823.913	0.09%	99.58%
85.5	55.977	3.252	3827.165	0.08%	99.67%
86.0	48.851	2.866	3830.031	0.07%	99.74%
86.5	41.656	2.476	3832.507	0.06%	99.80%
87.0	34.622	2.088	3834.595	0.05%	99.86%
87.5	27.792	1.709	3836.304	0.04%	99.90%
88.0	21.318	1.345	3837.649	0.04%	99.94%
88.5	15.402	1.006	3838.655	0.03%	99.96%
89.0	10.151	0.700	3839.356	0.02%	99.98%
89.5	5.901	0.440	3839.796	0.01%	99.99%
90.0	1.545	0.204	3840	0.01%	100.00%

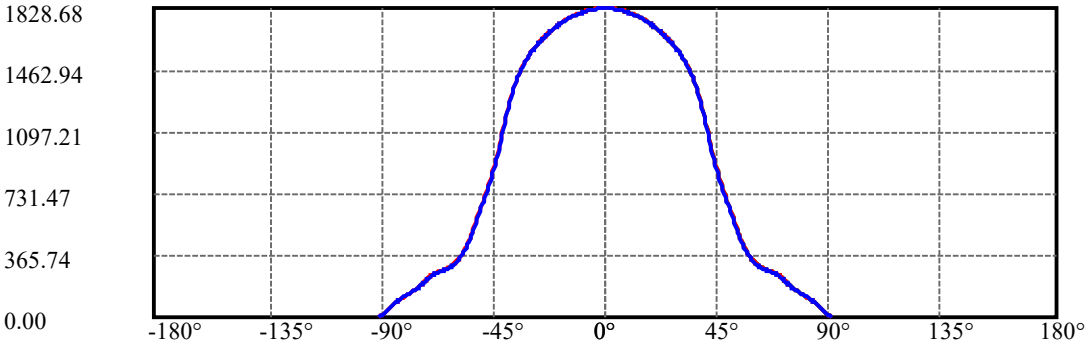
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1429.00	37.21%	37.21%
0-40	2306.54	60.07%	60.07%
0-60	3356.35	87.40%	87.40%
0-90	3839.80	99.99%	99.99%
0-120	3839.80	99.99%	99.99%
0-180	3840.00	100.00%	100.00%
60-90	483.45	12.59%	12.59%
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%
0-51.99	3072.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	173.09
10-20	497.91
20-30	758.01
30-40	877.53
40-50	670.45
50-60	379.36
60-70	246.56
70-80	170.87
80-90	66.02
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

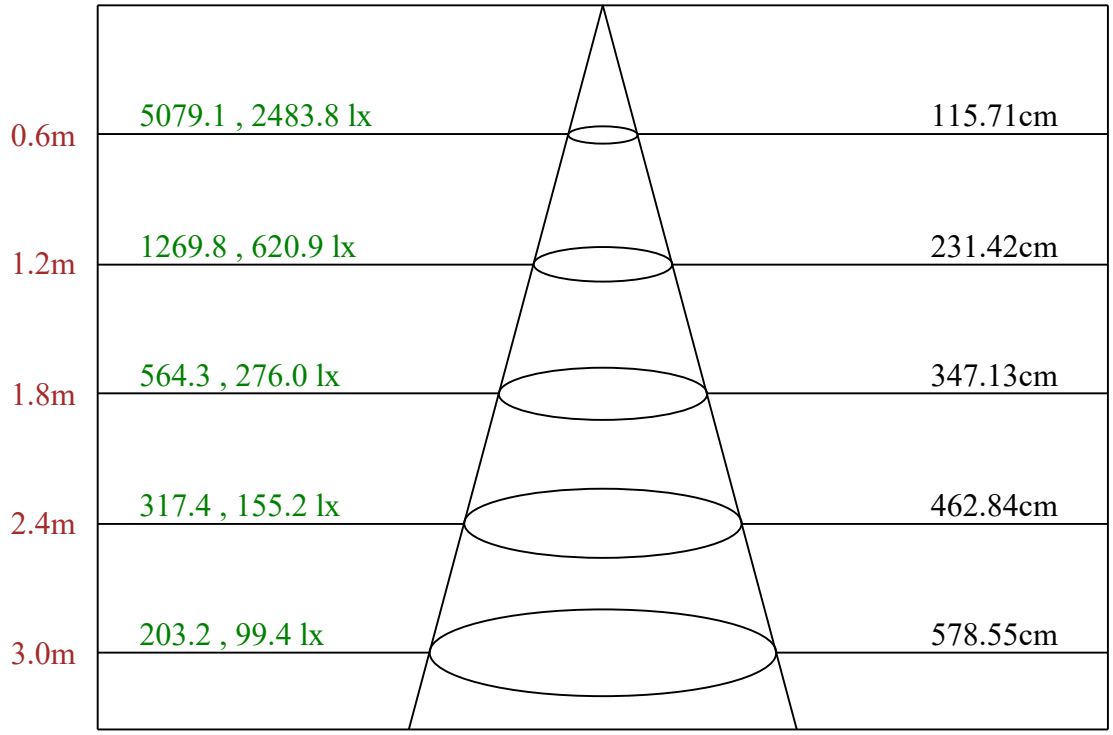




C0(Max):
C0/C180:
C90/C270:

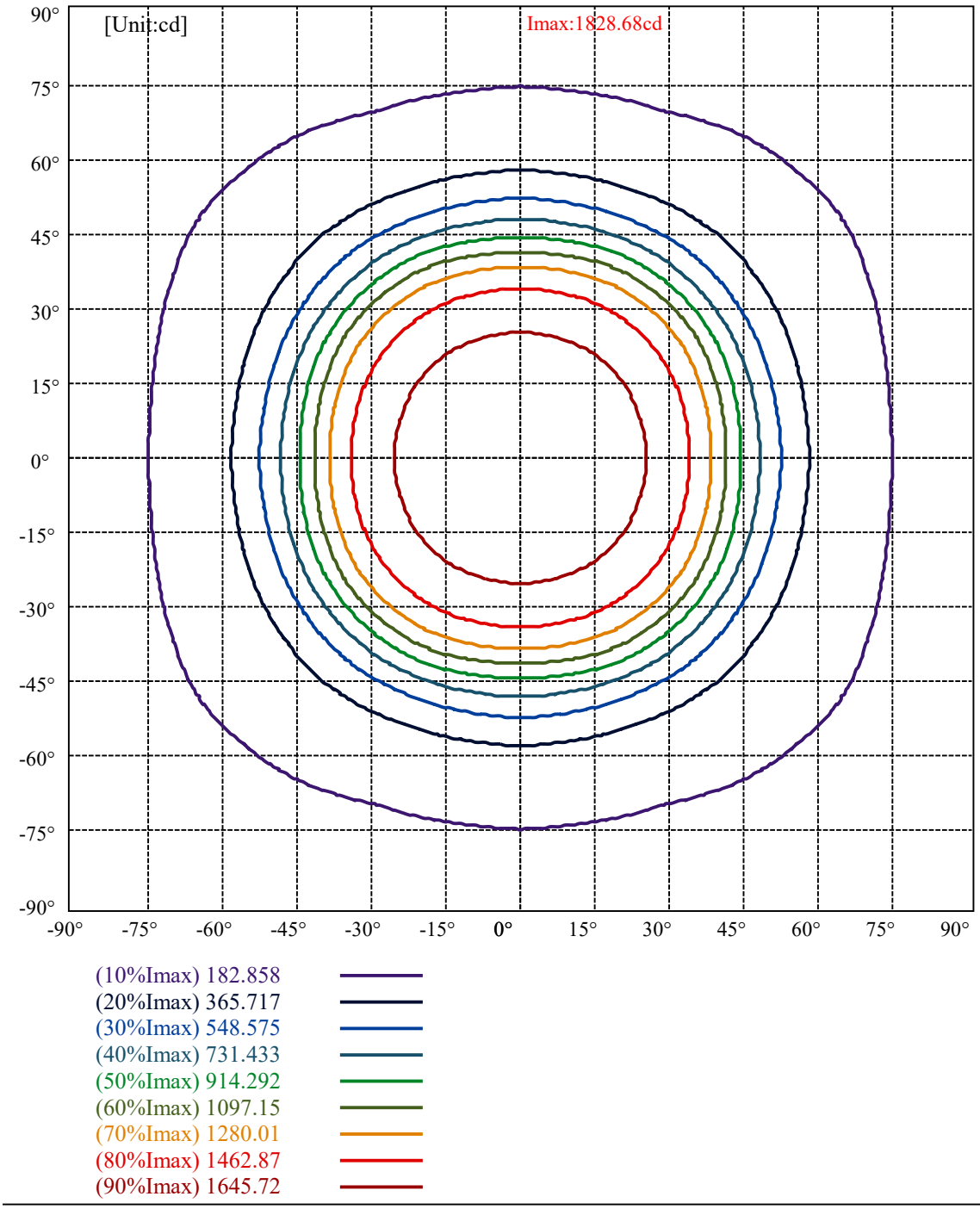
Field angle(10%Imax):C0/180Left:74.5 Right:73.5
:C90/270Left:73.9 Right:73.9

Beam Angle(50%Imax):C0/180Left:44.4 Right:43.4
:C90/270Left:43.7 Right:43.7



Max , Ave

Beam angle of C0 plane 87.91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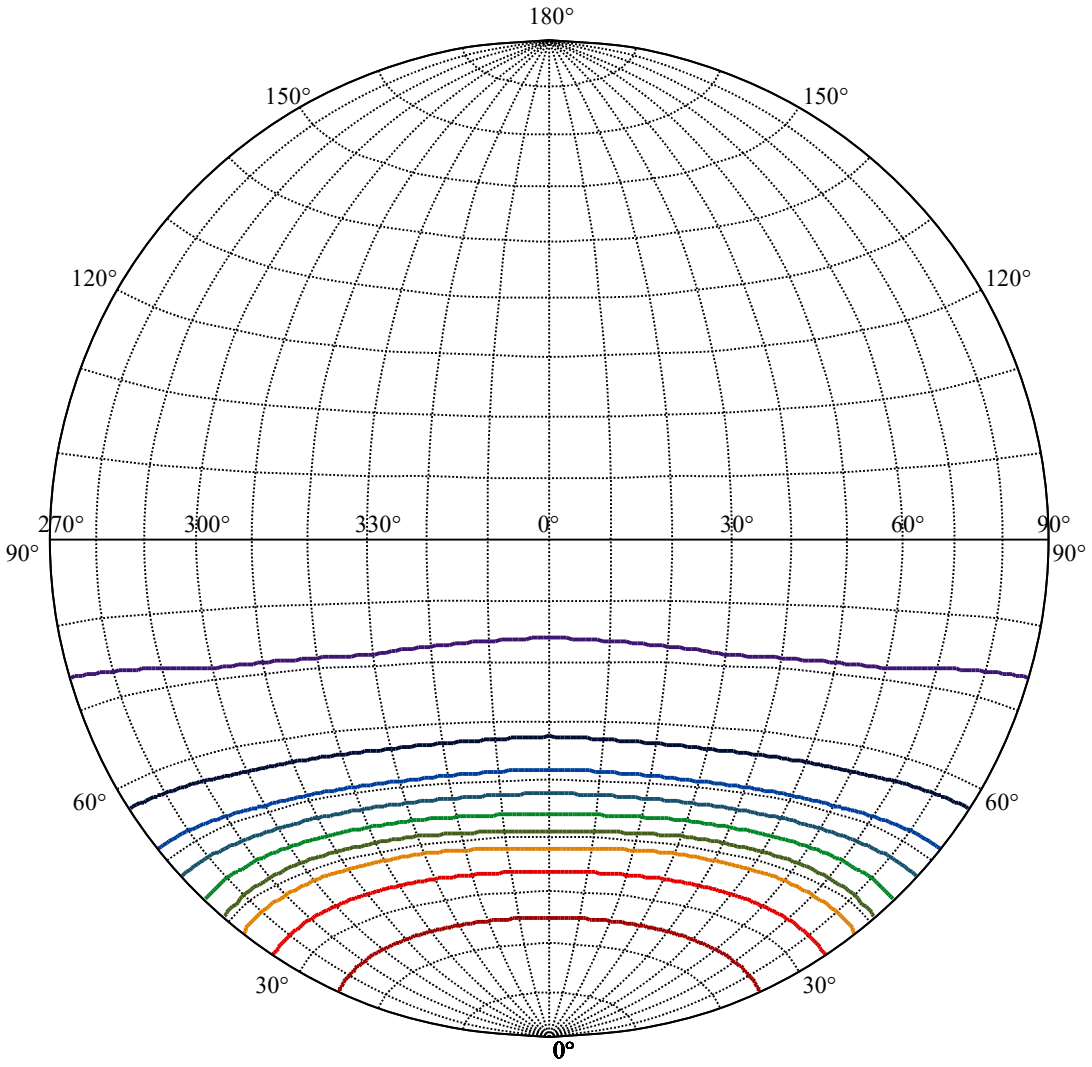
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 182.858
(20%Imax) 365.717
(30%Imax) 548.575
(40%Imax) 731.433
(50%Imax) 914.292
(60%Imax) 1097.15
(70%Imax) 1280.01
(80%Imax) 1462.87
(90%Imax) 1645.72

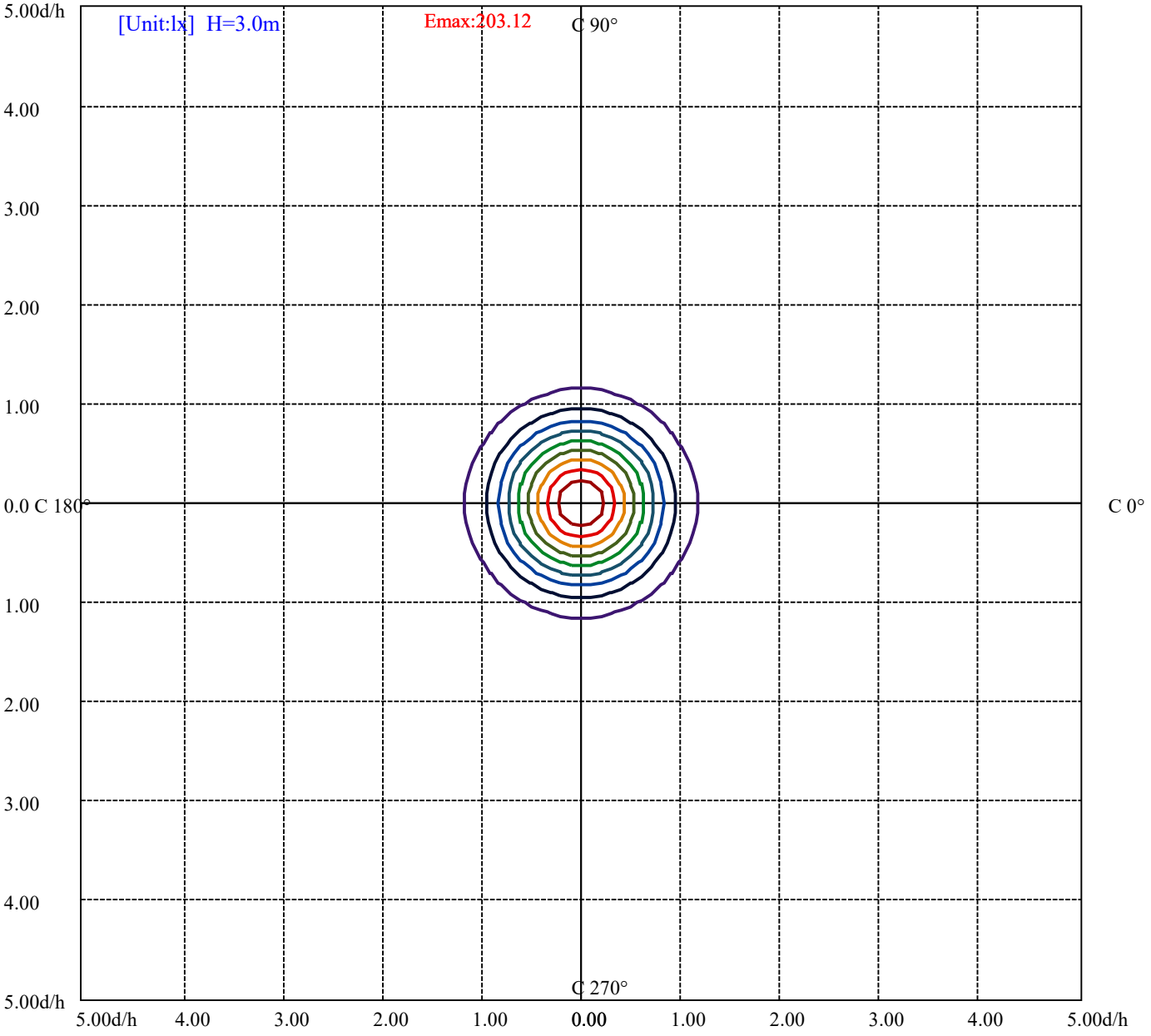


House [Unit:cd] Road

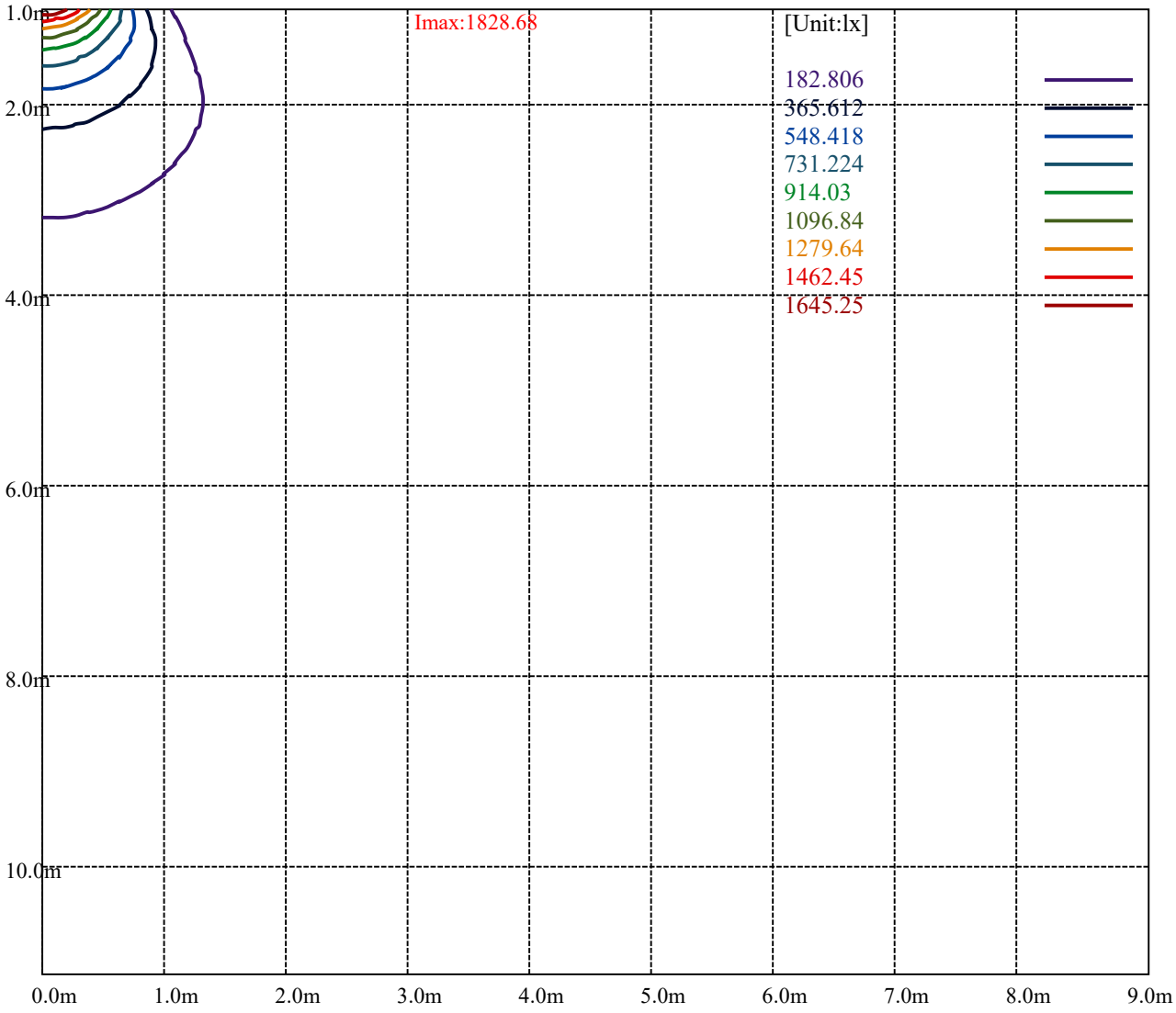
Imax:1828.68

(10%Imax) 182.858
(20%Imax) 365.717
(30%Imax) 548.575
(40%Imax) 731.433
(50%Imax) 914.292
(60%Imax) 1097.15
(70%Imax) 1280.01
(80%Imax) 1462.87
(90%Imax) 1645.72

ISO illuminance diagram



Equipment: GMS1800 Date: Operator: CWR
Temperature(°C): 25 Humidity(%): 55%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182.806
365.612
548.418
731.224
914.03
1096.84
1279.64
1462.45
1645.25
1.0m
2.0m
4.0m
6.0m
8.0m
10.0m
0.0m
1.0m
2.0m
3.0m
4.0m
5.0m
6.0m
7.0m
8.0m
9.0m

Luminance Limitting Curve(no luminous side)

Luminance Table

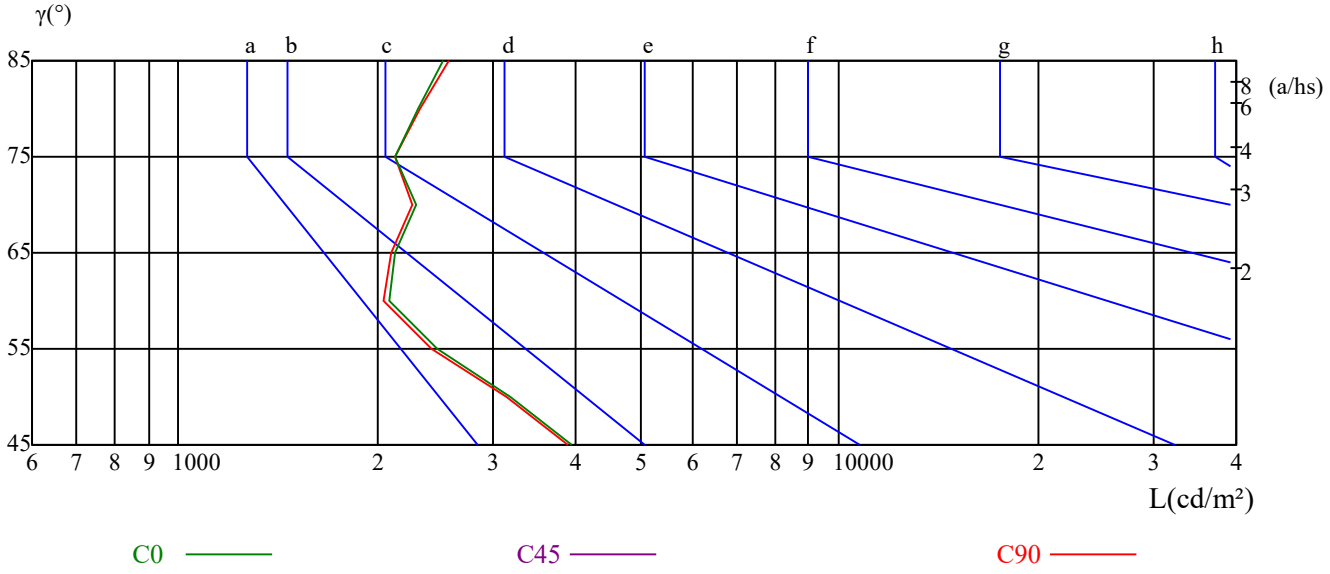
γ	45	50	55	60	65	70	75	80	85
C0	3942	3184	2459	2083	2134	2287	2134	2312	2524
C45	0	0	0	0	0	0	0	0	0
C90	3894	3138	2422	2049	2100	2260	2121	2327	2562

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2134	2100	0	2134	2121	0	2524	2562	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 Limitting 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	15.04	16.48	15.40	16.80	17.11	14.99	16.43	15.35	16.74	17.06
	3H	16.25	17.55	16.63	17.89	18.23	16.19	17.49	16.57	17.82	18.16
	4H	16.84	18.06	17.24	18.41	18.77	16.78	18.00	17.18	18.35	18.71
	6H	17.43	18.56	17.84	18.93	19.32	17.39	18.51	17.80	18.88	19.27
	8H	17.69	18.78	18.11	19.15	19.55	17.66	18.74	18.07	19.12	19.52
	12H	17.90	18.94	18.32	19.33	19.74	17.88	18.91	18.30	19.30	19.71
4H	2H	15.32	16.53	15.71	16.88	17.25	15.27	16.48	15.66	16.83	17.20
	3H	16.75	17.77	17.16	18.16	18.57	16.69	17.72	17.11	18.10	18.51
	4H	17.55	18.45	17.98	18.87	19.31	17.50	18.40	17.93	18.82	19.26
	6H	18.29	19.09	18.75	19.53	19.98	18.25	19.05	18.71	19.50	19.94
	8H	18.66	19.41	19.14	19.86	20.33	18.64	19.39	19.11	19.84	20.30
	12H	18.98	19.68	19.46	20.12	20.63	18.96	19.66	19.44	20.11	20.61
8H	4H	17.79	18.54	18.26	18.99	19.45	17.74	18.49	18.21	18.94	19.40
	6H	18.69	19.32	19.18	19.79	20.29	18.66	19.29	19.16	19.76	20.26
	8H	19.23	19.78	19.74	20.29	20.78	19.21	19.76	19.73	20.27	20.76
	12H	19.66	20.12	20.18	20.63	21.14	19.65	20.11	20.18	20.62	21.13
12H	4H	17.82	18.52	18.30	18.97	19.47	17.78	18.48	18.26	18.92	19.43
	6H	18.83	19.38	19.34	19.89	20.38	18.80	19.35	19.31	19.86	20.35
	8H	19.37	19.83	19.90	20.34	20.86	19.36	19.82	19.88	20.33	20.84
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		3.7					3.7				

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

Intensity data(cd)

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1828.06	1828.68	1828.58	1828.18	1827.58	1827.04	1826.28	1825.21	1824.06
30.0	1828.06	1828.27	1828.24	1827.87	1827.29	1826.77	1825.88	1824.90	1823.79
60.0	1828.06	1827.35	1827.11	1826.72	1826.22	1825.60	1824.67	1823.75	1822.73
90.0	1828.06	1826.83	1826.37	1825.90	1825.47	1824.72	1823.89	1822.90	1821.94
120.0	1828.06	1827.35	1827.11	1826.72	1826.22	1825.60	1824.67	1823.75	1822.73
150.0	1828.06	1828.27	1828.24	1827.87	1827.29	1826.77	1825.88	1824.90	1823.79
180.0	1828.06	1828.68	1828.58	1828.18	1827.58	1827.04	1826.28	1825.21	1824.06
210.0	1828.06	1828.27	1828.24	1827.87	1827.29	1826.77	1825.88	1824.90	1823.79
240.0	1828.06	1827.35	1827.11	1826.72	1826.22	1825.60	1824.67	1823.75	1822.73
270.0	1828.06	1826.83	1826.37	1825.90	1825.47	1824.72	1823.89	1822.90	1821.94
300.0	1828.06	1827.35	1827.11	1826.72	1826.22	1825.60	1824.67	1823.75	1822.73
330.0	1828.06	1828.27	1828.24	1827.87	1827.29	1826.77	1825.88	1824.90	1823.79
360.0	1828.06	1828.68	1828.58	1828.18	1827.58	1827.04	1826.28	1825.21	1824.06

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1822.92	1821.59	1819.91	1818.26	1816.51	1814.54	1812.34	1810.34	1808.02
30.0	1822.56	1821.21	1819.61	1817.92	1816.16	1814.22	1812.10	1810.02	1807.74
60.0	1821.39	1819.98	1818.48	1816.69	1814.95	1813.10	1810.94	1808.77	1806.43
90.0	1820.64	1819.14	1817.65	1815.79	1814.11	1812.32	1810.02	1807.89	1805.39
120.0	1821.39	1819.98	1818.48	1816.69	1814.95	1813.10	1810.94	1808.77	1806.43
150.0	1822.56	1821.21	1819.61	1817.92	1816.16	1814.22	1812.10	1810.02	1807.74
180.0	1822.92	1821.59	1819.91	1818.26	1816.51	1814.54	1812.34	1810.34	1808.02
210.0	1822.56	1821.21	1819.61	1817.92	1816.16	1814.22	1812.10	1810.02	1807.74
240.0	1821.39	1819.98	1818.48	1816.69	1814.95	1813.10	1810.94	1808.77	1806.43
270.0	1820.64	1819.14	1817.65	1815.79	1814.11	1812.32	1810.02	1807.89	1805.39
300.0	1821.39	1819.98	1818.48	1816.69	1814.95	1813.10	1810.94	1808.77	1806.43
330.0	1822.56	1821.21	1819.61	1817.92	1816.16	1814.22	1812.10	1810.02	1807.74
360.0	1822.92	1821.59	1819.91	1818.26	1816.51	1814.54	1812.34	1810.34	1808.02

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1805.35	1802.75	1799.95	1796.96	1793.87	1790.61	1787.41	1783.95	1780.62
30.0	1805.07	1802.56	1799.67	1796.74	1793.66	1790.40	1787.13	1783.78	1780.34
60.0	1803.85	1801.27	1798.45	1795.53	1792.42	1789.19	1785.85	1782.63	1779.14
90.0	1802.95	1800.15	1797.56	1794.55	1791.40	1788.19	1784.90	1781.67	1778.23
120.0	1803.85	1801.27	1798.45	1795.53	1792.42	1789.19	1785.85	1782.63	1779.14
150.0	1805.07	1802.56	1799.67	1796.74	1793.66	1790.40	1787.13	1783.78	1780.34
180.0	1805.35	1802.75	1799.95	1796.96	1793.87	1790.61	1787.41	1783.95	1780.62
210.0	1805.07	1802.56	1799.67	1796.74	1793.66	1790.40	1787.13	1783.78	1780.34
240.0	1803.85	1801.27	1798.45	1795.53	1792.42	1789.19	1785.85	1782.63	1779.14
270.0	1802.95	1800.15	1797.56	1794.55	1791.40	1788.19	1784.90	1781.67	1778.23
300.0	1803.85	1801.27	1798.45	1795.53	1792.42	1789.19	1785.85	1782.63	1779.14
330.0	1805.07	1802.56	1799.67	1796.74	1793.66	1790.40	1787.13	1783.78	1780.34
360.0	1805.35	1802.75	1799.95	1796.96	1793.87	1790.61	1787.41	1783.95	1780.62

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1776.87	1773.01	1768.91	1764.66	1760.11	1755.72	1751.07	1746.34	1741.42
30.0	1776.54	1772.78	1768.68	1764.39	1760.00	1755.53	1750.88	1746.04	1741.10
60.0	1775.36	1771.56	1767.48	1763.08	1758.90	1754.32	1749.57	1744.66	1739.77
90.0	1774.52	1770.59	1766.53	1762.04	1757.91	1753.35	1748.46	1743.62	1738.81
120.0	1775.36	1771.56	1767.48	1763.08	1758.90	1754.32	1749.57	1744.66	1739.77
150.0	1776.54	1772.78	1768.68	1764.39	1760.00	1755.53	1750.88	1746.04	1741.10
180.0	1776.87	1773.01	1768.91	1764.66	1760.11	1755.72	1751.07	1746.34	1741.42
210.0	1776.54	1772.78	1768.68	1764.39	1760.00	1755.53	1750.88	1746.04	1741.10
240.0	1775.36	1771.56	1767.48	1763.08	1758.90	1754.32	1749.57	1744.66	1739.77
270.0	1774.52	1770.59	1766.53	1762.04	1757.91	1753.35	1748.46	1743.62	1738.81
300.0	1775.36	1771.56	1767.48	1763.08	1758.90	1754.32	1749.57	1744.66	1739.77
330.0	1776.54	1772.78	1768.68	1764.39	1760.00	1755.53	1750.88	1746.04	1741.10
360.0	1776.87	1773.01	1768.91	1764.66	1760.11	1755.72	1751.07	1746.34	1741.42

Intensity data(cd)

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1736.25	1731.10	1725.68	1720.04	1714.34	1708.32	1702.25	1696.11	1689.50
30.0	1735.99	1730.76	1725.48	1719.86	1714.09	1708.13	1702.14	1695.88	1689.46
60.0	1734.70	1729.55	1724.29	1718.63	1712.93	1706.99	1700.99	1694.64	1688.16
90.0	1733.65	1728.71	1723.32	1717.58	1712.04	1706.08	1699.94	1693.67	1686.91
120.0	1734.70	1729.55	1724.29	1718.63	1712.93	1706.99	1700.99	1694.64	1688.16
150.0	1735.99	1730.76	1725.48	1719.86	1714.09	1708.13	1702.14	1695.88	1689.46
180.0	1736.25	1731.10	1725.68	1720.04	1714.34	1708.32	1702.25	1696.11	1689.50
210.0	1735.99	1730.76	1725.48	1719.86	1714.09	1708.13	1702.14	1695.88	1689.46
240.0	1734.70	1729.55	1724.29	1718.63	1712.93	1706.99	1700.99	1694.64	1688.16
270.0	1733.65	1728.71	1723.32	1717.58	1712.04	1706.08	1699.94	1693.67	1686.91
300.0	1734.70	1729.55	1724.29	1718.63	1712.93	1706.99	1700.99	1694.64	1688.16
330.0	1735.99	1730.76	1725.48	1719.86	1714.09	1708.13	1702.14	1695.88	1689.46
360.0	1736.25	1731.10	1725.68	1720.04	1714.34	1708.32	1702.25	1696.11	1689.50

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1682.81	1676.07	1669.04	1661.76	1654.34	1646.66	1638.49	1630.58	1622.21
30.0	1682.91	1676.30	1669.40	1662.22	1654.90	1647.35	1639.30	1631.43	1623.27
60.0	1681.64	1675.20	1668.38	1661.13	1653.75	1646.31	1638.26	1630.33	1622.21
90.0	1680.27	1673.90	1667.06	1659.59	1652.05	1644.63	1636.41	1628.42	1620.12
120.0	1681.64	1675.20	1668.38	1661.13	1653.75	1646.31	1638.26	1630.33	1622.21
150.0	1682.91	1676.30	1669.40	1662.22	1654.90	1647.35	1639.30	1631.43	1623.27
180.0	1682.81	1676.07	1669.04	1661.76	1654.34	1646.66	1638.49	1630.58	1622.21
210.0	1682.91	1676.30	1669.40	1662.22	1654.90	1647.35	1639.30	1631.43	1623.27
240.0	1681.64	1675.20	1668.38	1661.13	1653.75	1646.31	1638.26	1630.33	1622.21
270.0	1680.27	1673.90	1667.06	1659.59	1652.05	1644.63	1636.41	1628.42	1620.12
300.0	1681.64	1675.20	1668.38	1661.13	1653.75	1646.31	1638.26	1630.33	1622.21
330.0	1682.91	1676.30	1669.40	1662.22	1654.90	1647.35	1639.30	1631.43	1623.27
360.0	1682.81	1676.07	1669.04	1661.76	1654.34	1646.66	1638.49	1630.58	1622.21

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1613.41	1604.38	1595.26	1585.77	1576.07	1566.08	1555.73	1544.85	1533.74
30.0	1614.71	1605.84	1596.84	1587.48	1577.87	1568.04	1557.80	1547.15	1536.27
60.0	1613.62	1604.94	1595.80	1586.35	1576.94	1567.06	1556.60	1545.94	1535.09
90.0	1611.25	1602.66	1593.23	1583.51	1574.26	1564.16	1553.36	1542.49	1531.44
120.0	1613.62	1604.94	1595.80	1586.35	1576.94	1567.06	1556.60	1545.94	1535.09
150.0	1614.71	1605.84	1596.84	1587.48	1577.87	1568.04	1557.80	1547.15	1536.27
180.0	1613.41	1604.38	1595.26	1585.77	1576.07	1566.08	1555.73	1544.85	1533.74
210.0	1614.71	1605.84	1596.84	1587.48	1577.87	1568.04	1557.80	1547.15	1536.27
240.0	1613.62	1604.94	1595.80	1586.35	1576.94	1567.06	1556.60	1545.94	1535.09
270.0	1611.25	1602.66	1593.23	1583.51	1574.26	1564.16	1553.36	1542.49	1531.44
300.0	1613.62	1604.94	1595.80	1586.35	1576.94	1567.06	1556.60	1545.94	1535.09
330.0	1614.71	1605.84	1596.84	1587.48	1577.87	1568.04	1557.80	1547.15	1536.27
360.0	1613.41	1604.38	1595.26	1585.77	1576.07	1566.08	1555.73	1544.85	1533.74

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1521.88	1509.48	1496.65	1483.07	1468.68	1453.39	1436.71	1418.69	1399.40
30.0	1524.67	1512.65	1500.32	1487.30	1473.82	1459.60	1444.30	1428.08	1410.91
60.0	1523.51	1511.40	1498.96	1485.76	1472.27	1457.84	1442.27	1426.02	1408.56
90.0	1519.63	1507.03	1493.98	1480.10	1465.69	1449.98	1432.77	1414.73	1394.85
120.0	1523.51	1511.40	1498.96	1485.76	1472.27	1457.84	1442.27	1426.02	1408.56
150.0	1524.67	1512.65	1500.32	1487.30	1473.82	1459.60	1444.30	1428.08	1410.91
180.0	1521.88	1509.48	1496.65	1483.07	1468.68	1453.39	1436.71	1418.69	1399.40
210.0	1524.67	1512.65	1500.32	1487.30	1473.82	1459.60	1444.30	1428.08	1410.91
240.0	1523.51	1511.40	1498.96	1485.76	1472.27	1457.84	1442.27	1426.02	1408.56
270.0	1519.63	1507.03	1493.98	1480.10	1465.69	1449.98	1432.77	1414.73	1394.85
300.0	1523.51	1511.40	1498.96	1485.76	1472.27	1457.84	1442.27	1426.02	1408.56
330.0	1524.67	1512.65	1500.32	1487.30	1473.82	1459.60	1444.30	1428.08	1410.91
360.0	1521.88	1509.48	1496.65	1483.07	1468.68	1453.39	1436.71	1418.69	1399.40

Intensity data(cd)

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1378.72	1356.26	1331.70	1305.58	1277.44	1247.88	1216.83	1184.84	1152.40
30.0	1392.74	1373.21	1352.41	1330.17	1306.29	1281.06	1254.38	1226.53	1197.54
60.0	1390.21	1370.32	1349.36	1326.91	1303.15	1277.61	1250.88	1222.80	1193.71
90.0	1373.86	1350.74	1325.77	1299.27	1271.47	1241.23	1210.07	1177.64	1145.00
120.0	1390.21	1370.32	1349.36	1326.91	1303.15	1277.61	1250.88	1222.80	1193.71
150.0	1392.74	1373.21	1352.41	1330.17	1306.29	1281.06	1254.38	1226.53	1197.54
180.0	1378.72	1356.26	1331.70	1305.58	1277.44	1247.88	1216.83	1184.84	1152.40
210.0	1392.74	1373.21	1352.41	1330.17	1306.29	1281.06	1254.38	1226.53	1197.54
240.0	1390.21	1370.32	1349.36	1326.91	1303.15	1277.61	1250.88	1222.80	1193.71
270.0	1373.86	1350.74	1325.77	1299.27	1271.47	1241.23	1210.07	1177.64	1145.00
300.0	1390.21	1370.32	1349.36	1326.91	1303.15	1277.61	1250.88	1222.80	1193.71
330.0	1392.74	1373.21	1352.41	1330.17	1306.29	1281.06	1254.38	1226.53	1197.54
360.0	1378.72	1356.26	1331.70	1305.58	1277.44	1247.88	1216.83	1184.84	1152.40

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1119.56	1087.51	1055.50	1024.17	993.86	964.55	936.69	909.74	883.58
30.0	1167.05	1136.12	1103.93	1070.94	1037.37	1003.50	969.78	935.91	902.88
60.0	1163.11	1131.88	1099.59	1066.59	1032.87	999.06	965.01	930.77	897.84
90.0	1111.92	1079.22	1047.02	1015.68	984.98	955.80	927.20	899.51	873.50
120.0	1163.11	1131.88	1099.59	1066.59	1032.87	999.06	965.01	930.77	897.84
150.0	1167.05	1136.12	1103.93	1070.94	1037.37	1003.50	969.78	935.91	902.88
180.0	1119.56	1087.51	1055.50	1024.17	993.86	964.55	936.69	909.74	883.58
210.0	1167.05	1136.12	1103.93	1070.94	1037.37	1003.50	969.78	935.91	902.88
240.0	1163.11	1131.88	1099.59	1066.59	1032.87	999.06	965.01	930.77	897.84
270.0	1111.92	1079.22	1047.02	1015.68	984.98	955.80	927.20	899.51	873.50
300.0	1163.11	1131.88	1099.59	1066.59	1032.87	999.06	965.01	930.77	897.84
330.0	1167.05	1136.12	1103.93	1070.94	1037.37	1003.50	969.78	935.91	902.88
360.0	1119.56	1087.51	1055.50	1024.17	993.86	964.55	936.69	909.74	883.58

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	858.63	834.32	810.54	787.31	764.19	741.54	719.15	696.57	674.33
30.0	870.48	838.72	808.18	778.45	749.65	721.78	694.93	669.16	644.10
60.0	865.25	833.19	802.68	772.89	744.48	716.60	689.71	664.19	639.29
90.0	848.16	823.17	799.43	776.03	753.69	731.00	708.51	686.37	664.58
120.0	865.25	833.19	802.68	772.89	744.48	716.60	689.71	664.19	639.29
150.0	870.48	838.72	808.18	778.45	749.65	721.78	694.93	669.16	644.10
180.0	858.63	834.32	810.54	787.31	764.19	741.54	719.15	696.57	674.33
210.0	870.48	838.72	808.18	778.45	749.65	721.78	694.93	669.16	644.10
240.0	865.25	833.19	802.68	772.89	744.48	716.60	689.71	664.19	639.29
270.0	848.16	823.17	799.43	776.03	753.69	731.00	708.51	686.37	664.58
300.0	865.25	833.19	802.68	772.89	744.48	716.60	689.71	664.19	639.29
330.0	870.48	838.72	808.18	778.45	749.65	721.78	694.93	669.16	644.10
360.0	858.63	834.32	810.54	787.31	764.19	741.54	719.15	696.57	674.33

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	652.16	630.45	608.73	587.14	565.93	544.96	524.29	504.41	485.46
30.0	619.92	596.28	573.04	550.72	529.33	508.86	489.25	470.59	452.76
60.0	615.34	591.80	568.72	546.66	525.36	504.99	485.46	467.02	449.41
90.0	642.79	621.33	599.87	578.71	557.75	536.96	516.43	497.07	478.60
120.0	615.34	591.80	568.72	546.66	525.36	504.99	485.46	467.02	449.41
150.0	619.92	596.28	573.04	550.72	529.33	508.86	489.25	470.59	452.76
180.0	652.16	630.45	608.73	587.14	565.93	544.96	524.29	504.41	485.46
210.0	619.92	596.28	573.04	550.72	529.33	508.86	489.25	470.59	452.76
240.0	615.34	591.80	568.72	546.66	525.36	504.99	485.46	467.02	449.41
270.0	642.79	621.33	599.87	578.71	557.75	536.96	516.43	497.07	478.60
300.0	615.34	591.80	568.72	546.66	525.36	504.99	485.46	467.02	449.41
330.0	619.92	596.28	573.04	550.72	529.33	508.86	489.25	470.59	452.76
360.0	652.16	630.45	608.73	587.14	565.93	544.96	524.29	504.41	485.46

Intensity data(cd)

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	467.49	450.56	434.44	419.03	404.50	390.79	377.64	365.56	354.47
30.0	436.03	420.17	405.13	390.79	377.26	364.39	351.90	340.12	328.98
60.0	432.73	416.84	401.91	387.57	374.06	361.38	349.09	337.43	326.36
90.0	460.72	443.73	427.90	412.46	397.97	384.68	371.90	360.07	349.08
120.0	432.73	416.84	401.91	387.57	374.06	361.38	349.09	337.43	326.36
150.0	436.03	420.17	405.13	390.79	377.26	364.39	351.90	340.12	328.98
180.0	467.49	450.56	434.44	419.03	404.50	390.79	377.64	365.56	354.47
210.0	436.03	420.17	405.13	390.79	377.26	364.39	351.90	340.12	328.98
240.0	432.73	416.84	401.91	387.57	374.06	361.38	349.09	337.43	326.36
270.0	460.72	443.73	427.90	412.46	397.97	384.68	371.90	360.07	349.08
300.0	432.73	416.84	401.91	387.57	374.06	361.38	349.09	337.43	326.36
330.0	436.03	420.17	405.13	390.79	377.26	364.39	351.90	340.12	328.98
360.0	467.49	450.56	434.44	419.03	404.50	390.79	377.64	365.56	354.47

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	344.66	335.78	327.84	320.79	314.36	308.54	303.35	298.64	294.38
30.0	318.66	308.93	299.85	291.28	283.14	275.45	268.34	261.67	255.38
60.0	316.05	306.33	297.28	288.71	280.61	272.96	265.86	259.22	252.98
90.0	339.33	330.45	322.55	315.50	309.19	303.42	298.24	293.56	289.41
120.0	316.05	306.33	297.28	288.71	280.61	272.96	265.86	259.22	252.98
150.0	318.66	308.93	299.85	291.28	283.14	275.45	268.34	261.67	255.38
180.0	344.66	335.78	327.84	320.79	314.36	308.54	303.35	298.64	294.38
210.0	318.66	308.93	299.85	291.28	283.14	275.45	268.34	261.67	255.38
240.0	316.05	306.33	297.28	288.71	280.61	272.96	265.86	259.22	252.98
270.0	339.33	330.45	322.55	315.50	309.19	303.42	298.24	293.56	289.41
300.0	316.05	306.33	297.28	288.71	280.61	272.96	265.86	259.22	252.98
330.0	318.66	308.93	299.85	291.28	283.14	275.45	268.34	261.67	255.38
360.0	344.66	335.78	327.84	320.79	314.36	308.54	303.35	298.64	294.38

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	290.63	287.08	283.78	280.62	277.81	275.14	272.62	270.02	267.26
30.0	249.57	244.13	239.14	234.56	230.55	226.94	223.68	220.60	217.63
60.0	247.14	241.68	236.64	232.28	228.42	224.95	221.80	218.82	215.92
90.0	285.64	282.05	278.61	275.90	273.37	271.01	268.70	266.31	263.70
120.0	247.14	241.68	236.64	232.28	228.42	224.95	221.80	218.82	215.92
150.0	249.57	244.13	239.14	234.56	230.55	226.94	223.68	220.60	217.63
180.0	290.63	287.08	283.78	280.62	277.81	275.14	272.62	270.02	267.26
210.0	249.57	244.13	239.14	234.56	230.55	226.94	223.68	220.60	217.63
240.0	247.14	241.68	236.64	232.28	228.42	224.95	221.80	218.82	215.92
270.0	285.64	282.05	278.61	275.90	273.37	271.01	268.70	266.31	263.70
300.0	247.14	241.68	236.64	232.28	228.42	224.95	221.80	218.82	215.92
330.0	249.57	244.13	239.14	234.56	230.55	226.94	223.68	220.60	217.63
360.0	290.63	287.08	283.78	280.62	277.81	275.14	272.62	270.02	267.26

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	264.17	260.65	256.69	252.15	246.91	240.96	234.43	227.32	219.82
30.0	214.65	211.62	208.48	205.19	201.67	197.89	193.93	189.73	185.38
60.0	213.03	210.09	206.99	203.74	200.25	196.53	192.65	188.55	184.26
90.0	260.80	257.47	253.58	249.12	243.97	238.13	231.75	224.86	217.47
120.0	213.03	210.09	206.99	203.74	200.25	196.53	192.65	188.55	184.26
150.0	214.65	211.62	208.48	205.19	201.67	197.89	193.93	189.73	185.38
180.0	264.17	260.65	256.69	252.15	246.91	240.96	234.43	227.32	219.82
210.0	214.65	211.62	208.48	205.19	201.67	197.89	193.93	189.73	185.38
240.0	213.03	210.09	206.99	203.74	200.25	196.53	192.65	188.55	184.26
270.0	260.80	257.47	253.58	249.12	243.97	238.13	231.75	224.86	217.47
300.0	213.03	210.09	206.99	203.74	200.25	196.53	192.65	188.55	184.26
330.0	214.65	211.62	208.48	205.19	201.67	197.89	193.93	189.73	185.38
360.0	264.17	260.65	256.69	252.15	246.91	240.96	234.43	227.32	219.82

Intensity data(cd)

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	212.17	204.50	196.87	189.62	182.73	176.19	170.11	164.58	159.43
30.0	180.96	176.53	172.06	167.70	163.43	159.19	155.01	150.99	146.99
60.0	179.94	175.58	171.21	166.92	162.72	158.60	154.53	150.61	146.73
90.0	210.02	202.50	195.08	187.98	181.22	174.95	169.10	163.78	158.89
120.0	179.94	175.58	171.21	166.92	162.72	158.60	154.53	150.61	146.73
150.0	180.96	176.53	172.06	167.70	163.43	159.19	155.01	150.99	146.99
180.0	212.17	204.50	196.87	189.62	182.73	176.19	170.11	164.58	159.43
210.0	180.96	176.53	172.06	167.70	163.43	159.19	155.01	150.99	146.99
240.0	179.94	175.58	171.21	166.92	162.72	158.60	154.53	150.61	146.73
270.0	210.02	202.50	195.08	187.98	181.22	174.95	169.10	163.78	158.89
300.0	179.94	175.58	171.21	166.92	162.72	158.60	154.53	150.61	146.73
330.0	180.96	176.53	172.06	167.70	163.43	159.19	155.01	150.99	146.99
360.0	212.17	204.50	196.87	189.62	182.73	176.19	170.11	164.58	159.43

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	154.58	150.00	145.55	141.21	136.89	132.55	128.14	123.64	119.13
30.0	143.00	138.97	134.89	130.76	126.53	122.21	117.78	113.20	108.60
60.0	142.83	138.92	134.94	130.91	126.77	122.52	118.13	113.61	109.06
90.0	154.23	149.87	145.64	141.51	137.36	133.17	128.83	124.46	120.04
120.0	142.83	138.92	134.94	130.91	126.77	122.52	118.13	113.61	109.06
150.0	143.00	138.97	134.89	130.76	126.53	122.21	117.78	113.20	108.60
180.0	154.58	150.00	145.55	141.21	136.89	132.55	128.14	123.64	119.13
210.0	143.00	138.97	134.89	130.76	126.53	122.21	117.78	113.20	108.60
240.0	142.83	138.92	134.94	130.91	126.77	122.52	118.13	113.61	109.06
270.0	154.23	149.87	145.64	141.51	137.36	133.17	128.83	124.46	120.04
300.0	142.83	138.92	134.94	130.91	126.77	122.52	118.13	113.61	109.06
330.0	143.00	138.97	134.89	130.76	126.53	122.21	117.78	113.20	108.60
360.0	154.58	150.00	145.55	141.21	136.89	132.55	128.14	123.64	119.13

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	114.61	110.11	105.53	100.70	95.35	89.34	82.68	75.47	67.76
30.0	103.92	99.22	94.45	89.55	84.35	78.78	72.87	66.68	60.20
60.0	104.45	99.77	95.00	90.07	84.86	79.27	73.40	67.17	60.71
90.0	115.66	111.22	106.64	101.75	96.40	90.36	83.76	76.49	68.78
120.0	104.45	99.77	95.00	90.07	84.86	79.27	73.40	67.17	60.71
150.0	103.92	99.22	94.45	89.55	84.35	78.78	72.87	66.68	60.20
180.0	114.61	110.11	105.53	100.70	95.35	89.34	82.68	75.47	67.76
210.0	103.92	99.22	94.45	89.55	84.35	78.78	72.87	66.68	60.20
240.0	104.45	99.77	95.00	90.07	84.86	79.27	73.40	67.17	60.71
270.0	115.66	111.22	106.64	101.75	96.40	90.36	83.76	76.49	68.78
300.0	104.45	99.77	95.00	90.07	84.86	79.27	73.40	67.17	60.71
330.0	103.92	99.22	94.45	89.55	84.35	78.78	72.87	66.68	60.20
360.0	114.61	110.11	105.53	100.70	95.35	89.34	82.68	75.47	67.76

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	59.80	51.78	43.81	36.13	28.73	21.91	15.78	10.39	5.99
30.0	53.55	46.85	40.08	33.41	26.86	20.59	14.82	9.69	5.55
60.0	54.07	47.39	40.58	33.87	27.33	21.03	15.23	10.05	5.88
90.0	60.82	52.86	44.81	37.03	29.64	22.75	16.55	11.04	6.58
120.0	54.07	47.39	40.58	33.87	27.33	21.03	15.23	10.05	5.88
150.0	53.55	46.85	40.08	33.41	26.86	20.59	14.82	9.69	5.55
180.0	59.80	51.78	43.81	36.13	28.73	21.91	15.78	10.39	5.99
210.0	53.55	46.85	40.08	33.41	26.86	20.59	14.82	9.69	5.55
240.0	54.07	47.39	40.58	33.87	27.33	21.03	15.23	10.05	5.88
270.0	60.82	52.86	44.81	37.03	29.64	22.75	16.55	11.04	6.58
300.0	54.07	47.39	40.58	33.87	27.33	21.03	15.23	10.05	5.88
330.0	53.55	46.85	40.08	33.41	26.86	20.59	14.82	9.69	5.55
360.0	59.80	51.78	43.81	36.13	28.73	21.91	15.78	10.39	5.99

Intensity data(cd)

C/γ(°)	90.0
0.0	1.09
30.0	0.98
60.0	1.33
90.0	3.57
120.0	1.33
150.0	0.98
180.0	1.09
210.0	0.98
240.0	1.33
270.0	3.57
300.0	1.33
330.0	0.98
360.0	1.09