Report No	:	Voltage	: V
Test No	: A2410630A001	Current	: A
LumCAT	: LIT by CARDI	Power	: 32.000 W
Luminaire	: 0028920250 32W 3000K 3650lm	PF	:
LampCAT	:	Ballast type	:
Lamp flux	: 3650.0 lm	Width	: 555 mm
Number of Lamps	: 1	Length	: 555 mm
Phm Type	: C	Height	: 0 mm

Photometric Results

Lumens(lm)	: 3650.00	Central intensity(cd)	: 1728.016
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 1728.268
Luminous Efficacy(lm/W)	: 114.06	Angle of maximum intensity	: C=0.0 γ=0.5

Beam Angle(50%Imax)	: [C0/180]Total=88.0 [C90/270]Total=88.2
Field angle(10%Imax)	: [C0/180]Total=148.0 [C90/270]Total=148.2
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 :	: 87.243%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1728.016	0.000	0	0.00%	0.00%
0.5	1727.933	0.413	0.413	0.01%	0.01%
1.0	1727.680	1.240	1.653	0.03%	0.05%
1.5	1727.363	2.066	3.72	0.06%	0.10%
2.0	1726.984	2.892	6.612	0.08%	0.18%
2.5	1726.411	3.717	10.329	0.10%	0.28%
3.0	1725.620	4.541	14.87	0.12%	0.41%
3.5	1724.719	5.363	20.232	0.15%	0.55%
4.0	1723.641	6.183	26.415	0.17%	0.72%
4.5	1722.504	7.002	33.417	0.19%	0.92%
5.0	1721.148	7.818	41.235	0.21%	1.13%
5.5	1719.678	8.632	49.866	0.24%	1.37%
6.0	1718.046	9.442	59.309	0.26%	1.62%
6.5	1716.364	10.250	69.559	0.28%	1.91%
7.0	1714.486	11.055	80.615	0.30%	2.21%
7.5	1712.484	11.857	92.471	0.32%	2.53%
8.0	1710.299	12.654	105.125	0.35%	2.88%
8.5	1708.071	13.448	118.573	0.37%	3.25%
9.0	1705.709	14.237	132.81	0.39%	3.64%
9.5	1703.199	15.022	147.833	0.41%	4.05%
10.0	1700.550	15.803	163.636	0.43%	4.48%
10.5	1697.800	16.579	180.214	0.45%	4.94%
11.0	1694.978	17.349	197.564	0.48%	5.41%
11.5	1692.104	18.116	215.679	0.50%	5.91%
12.0	1688.912	18.876	234.555	0.52%	6.43%
12.5	1685.608	19.629	254.185	0.54%	6.96%
13.0	1682.133	20.377	274.561	0.56%	7.52%
13.5	1678.496	21.117	295.678	0.58%	8.10%
14.0	1674.780	21.851	317.529	0.60%	8.70%
14.5	1670.823	22.578	340.107	0.62%	9.32%
15.0	1666.804	23.297	363.404	0.64%	9.96%
15.5	1662.632	24.009	387.413	0.66%	10.61%
16.0	1658.252	24.713	412.125	0.68%	11.29%
16.5	1653.762	25.409	437.534	0.70%	11.99%
17.0	1649.200	26.097	463.631	0.71%	12.70%
17.5	1644.591	26.778	490.409	0.73%	13.44%
18.0	1639.847	27.451	517.86	0.75%	14.19%
18.5	1634.827	28.115	545.975	0.77%	14.96%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1629.685	28.768	574.743	0.79%	15.75%
19.5	1624.277	29.411	604.155	0.81%	16.55%
20.0	1618.718	30.044	634.198	0.82%	17.38%
20.5	1613.105	30.667	664.865	0.84%	18.22%
21.0	1607.271	31.280	696.145	0.86%	19.07%
21.5	1601.220	31.881	728.025	0.87%	19.95%
22.0	1595.187	32.472	760.498	0.89%	20.84%
22.5	1589.049	33.055	793.553	0.91%	21.74%
23.0	1582.577	33.625	827.178	0.92%	22.66%
23.5	1575.943	34.182	861.36	0.94%	23.60%
24.0	1569.038	34.725	896.085	0.95%	24.55%
24.5	1561.952	35.255	931.34	0.97%	25.52%
25.0	1554.686	35.772	967.112	0.98%	26.50%
25.5	1547.204	36.275	1003.387	0.99%	27.49%
26.0	1539.596	36.765	1040.153	1.01%	28.50%
26.5	1531.696	37.241	1077.394	1.02%	29.52%
27.0	1523.523	37.700	1115.094	1.03%	30.55%
27.5	1515.187	38.144	1153.239	1.05%	31.60%
28.0	1506.556	38.573	1191.811	1.06%	32.65%
28.5	1497.650	38.983	1230.795	1.07%	33.72%
29.0	1488.702	39.380	1270.175	1.08%	34.80%
29.5	1479.353	39.759	1309.934	1.09%	35.89%
30.0	1469.619	40.118	1350.052	1.10%	36.99%
30.5	1459.642	40.457	1390.508	1.11%	38.10%
31.0	1449.239	40.775	1431.283	1.12%	39.21%
31.5	1438.446	41.070	1472.353	1.13%	40.34%
32.0	1427.173	41.341	1513.694	1.13%	41.47%
32.5	1415.525	41.587	1555.28	1.14%	42.61%
33.0	1403.118	41.804	1597.084	1.15%	43.76%
33.5	1390.220	41.989	1639.073	1.15%	44.91%
34.0	1376.886	42.146	1681.219	1.15%	46.06%
34.5	1362.439	42.267	1723.486	1.16%	47.22%
35.0	1346.990	42.340	1765.825	1.16%	48.38%
35.5	1330.754	42.369	1808.194	1.16%	49.54%
36.0	1313.461	42.354	1850.548	1.16%	50.70%
36.5	1294.950	42.285	1892.833	1.16%	51.86%
37.0	1275.349	42.162	1934.994	1.16%	53.01%
37.5	1254.242	41.977	1976.972	1.15%	54.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1231.605	41.723	2018.695	1.14%	55.31%
38.5	1207.398	41.397	2060.091	1.13%	56.44%
39.0	1181.818	40.999	2101.09	1.12%	57.56%
39.5	1154.810	40.531	2141.621	1.11%	58.67%
40.0	1126.840	39.999	2181.62	1.10%	59.77%
40.5	1097.573	39.403	2221.022	1.08%	60.85%
41.0	1067.769	38.750	2259.773	1.06%	61.91%
41.5	1037.064	38.048	2297.82	1.04%	62.95%
42.0	1005.630	37.290	2335.111	1.02%	63.98%
42.5	974.339	36.497	2371.608	1.00%	64.98%
43.0	942.761	35.677	2407.284	0.98%	65.95%
43.5	911.673	34.835	2442.119	0.95%	66.91%
44.0	880.665	33.979	2476.099	0.93%	67.84%
44.5	850.750	33.122	2509.221	0.91%	68.75%
45.0	821.279	32.272	2541.493	0.88%	69.63%
45.5	792.638	31.423	2572.916	0.86%	70.49%
46.0	765.306	30.595	2603.51	0.84%	71.33%
46.5	739.057	29.792	2633.303	0.82%	72.15%
47.0	713.487	29.005	2662.308	0.79%	72.94%
47.5	688.791	28.230	2690.538	0.77%	73.71%
48.0	665.038	27.474	2718.012	0.75%	74.47%
48.5	642.117	26.736	2744.748	0.73%	75.20%
49.0	619.456	26.004	2770.752	0.71%	75.91%
49.5	597.358	25.272	2796.024	0.69%	76.60%
50.0	575.547	24.542	2820.566	0.67%	77.28%
50.5	554.348	23.816	2844.382	0.65%	77.93%
51.0	533.985	23.106	2867.488	0.63%	78.56%
51.5	514.072	22.408	2889.896	0.61%	79.18%
52.0	494.615	21.717	2911.613	0.59%	79.77%
52.5	475.927	21.039	2932.652	0.58%	80.35%
53.0	458.297	20.387	2953.039	0.56%	80.91%
53.5	441.446	19.764	2972.804	0.54%	81.45%
54.0	425.304	19.163	2991.967	0.53%	81.97%
54.5	410.007	18.585	3010.552	0.51%	82.48%
55.0	395.591	18.036	3028.588	0.49%	82.98%
55.5	381.925	17.514	3046.102	0.48%	83.45%
56.0	368.934	17.015	3063.118	0.47%	83.92%
56.5	356.709	16.541	3079.659	0.45%	84.37%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	345.226	16.093	3095.752	0.44%	84.82%
57.5	334.466	15.672	3111.424	0.43%	85.24%
58.0	324.396	15.276	3126.701	0.42%	85.66%
58.5	315.088	14.908	3141.609	0.41%	86.07%
59.0	306.394	14.566	3156.175	0.40%	86.47%
59.5	298.430	14.250	3170.425	0.39%	86.86%
60.0	290.933	13.958	3184.383	0.38%	87.24%
60.5	284.032	13.685	3198.068	0.37%	87.62%
61.0	277.592	13.434	3211.502	0.37%	87.99%
61.5	271.588	13.200	3224.702	0.36%	88.35%
62.0	265.905	12.980	3237.683	0.36%	88.70%
62.5	260.492	12.772	3250.454	0.35%	89.05%
63.0	255.625	12.579	3263.034	0.34%	89.40%
63.5	251.208	12.408	3275.442	0.34%	89.74%
64.0	247.076	12.252	3287.694	0.34%	90.07%
64.5	243.306	12.109	3299.803	0.33%	90.41%
65.0	239.860	11.981	3311.783	0.33%	90.73%
65.5	236.625	11.863	3323.646	0.33%	91.06%
66.0	233.454	11.750	3335.397	0.32%	91.38%
66.5	230.290	11.637	3347.034	0.32%	91.70%
67.0	227.055	11.520	3358.554	0.32%	92.02%
67.5	223.641	11.395	3369.948	0.31%	92.33%
68.0	219.969	11.256	3381.205	0.31%	92.64%
68.5	216.050	11.103	3392.307	0.30%	92.94%
69.0	211.775	10.932	3403.239	0.30%	93.24%
69.5	207.179	10.741	3413.98	0.29%	93.53%
70.0	202.247	10.531	3424.511	0.29%	93.82%
70.5	197.124	10.305	3434.815	0.28%	94.10%
71.0	191.840	10.067	3444.883	0.28%	94.38%
71.5	186.454	9.821	3454.704	0.27%	94.65%
72.0	181.116	9.570	3464.274	0.26%	94.91%
72.5	175.877	9.321	3473.595	0.26%	95.17%
73.0	170.735	9.075	3482.67	0.25%	95.42%
73.5	165.797	8.835	3491.505	0.24%	95.66%
74.0	161.035	8.602	3500.107	0.24%	95.89%
74.5	156.498	8.378	3508.486	0.23%	96.12%
75.0	152.085	8.162	3516.648	0.22%	96.35%
75.5	147.899	7.953	3524.601	0.22%	96.56%

Zonal flux distribution table

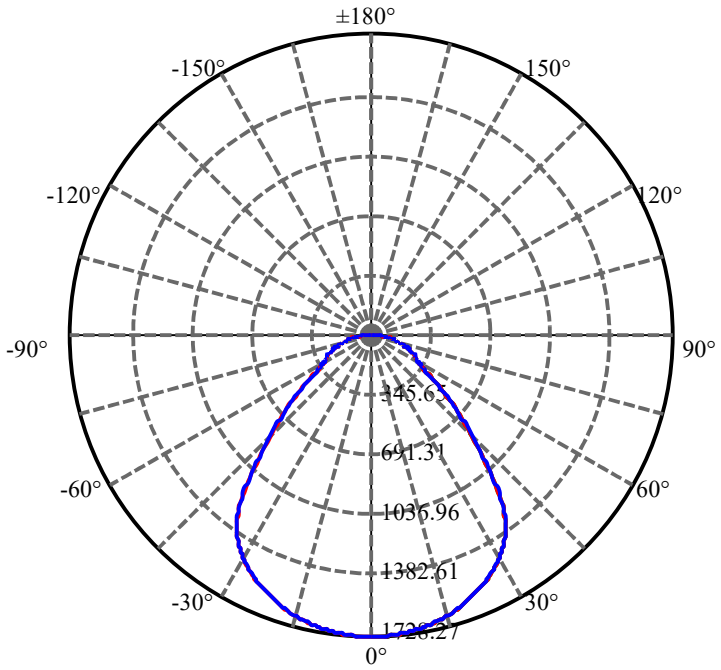
γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	143.851	7.752	3532.353	0.21%	96.78%
76.5	139.823	7.554	3539.907	0.21%	96.98%
77.0	135.816	7.356	3547.263	0.20%	97.19%
77.5	131.836	7.157	3554.42	0.20%	97.38%
78.0	127.809	6.956	3561.376	0.19%	97.57%
78.5	123.736	6.752	3568.128	0.18%	97.76%
79.0	119.625	6.544	3574.671	0.18%	97.94%
79.5	115.421	6.331	3581.002	0.17%	98.11%
80.0	111.214	6.114	3587.116	0.17%	98.28%
80.5	107.022	5.897	3593.013	0.16%	98.44%
81.0	102.809	5.678	3598.691	0.16%	98.59%
81.5	98.511	5.455	3604.146	0.15%	98.74%
82.0	94.020	5.224	3609.37	0.14%	98.89%
82.5	89.245	4.978	3614.348	0.14%	99.02%
83.0	84.082	4.714	3619.062	0.13%	99.15%
83.5	78.465	4.425	3623.487	0.12%	99.27%
84.0	72.451	4.113	3627.6	0.11%	99.39%
84.5	66.081	3.779	3631.379	0.10%	99.49%
85.0	59.512	3.429	3634.808	0.09%	99.58%
85.5	52.797	3.068	3637.876	0.08%	99.67%
86.0	46.002	2.701	3640.577	0.07%	99.74%
86.5	39.220	2.331	3642.908	0.06%	99.81%
87.0	32.577	1.965	3644.874	0.05%	99.86%
87.5	26.164	1.609	3646.482	0.04%	99.90%
88.0	20.161	1.269	3647.751	0.03%	99.94%
88.5	14.628	0.953	3648.705	0.03%	99.96%
89.0	9.769	0.669	3649.373	0.02%	99.98%
89.5	5.777	0.426	3649.799	0.01%	99.99%
90.0	1.540	0.201	3650	0.01%	100.00%

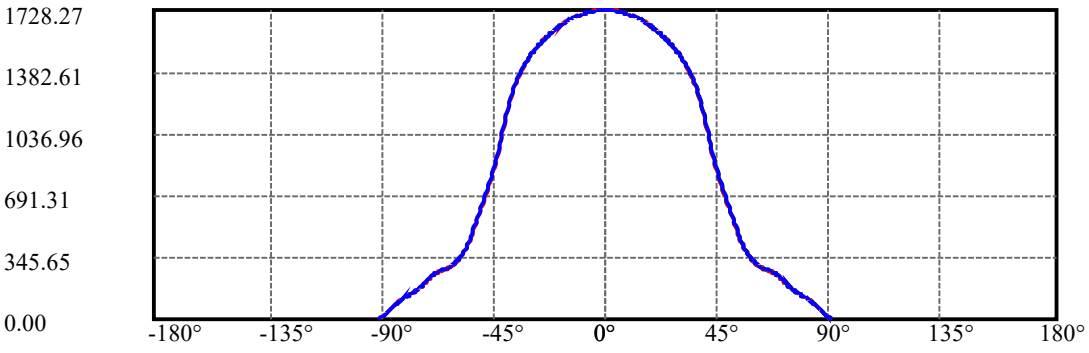
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1350.05	36.99%	36.99%
0-40	2181.62	59.77%	59.77%
0-60	3184.38	87.24%	87.24%
0-90	3649.80	99.99%	99.99%
0-120	3649.80	99.99%	99.99%
0-180	3650.00	100.00%	100.00%
60-90	465.42	12.75%	12.75%
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%
0-52.20	2920.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	163.64
10-20	470.56
20-30	715.85
30-40	831.57
40-50	638.95
50-60	363.82
60-70	240.13
70-80	162.61
80-90	62.68
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

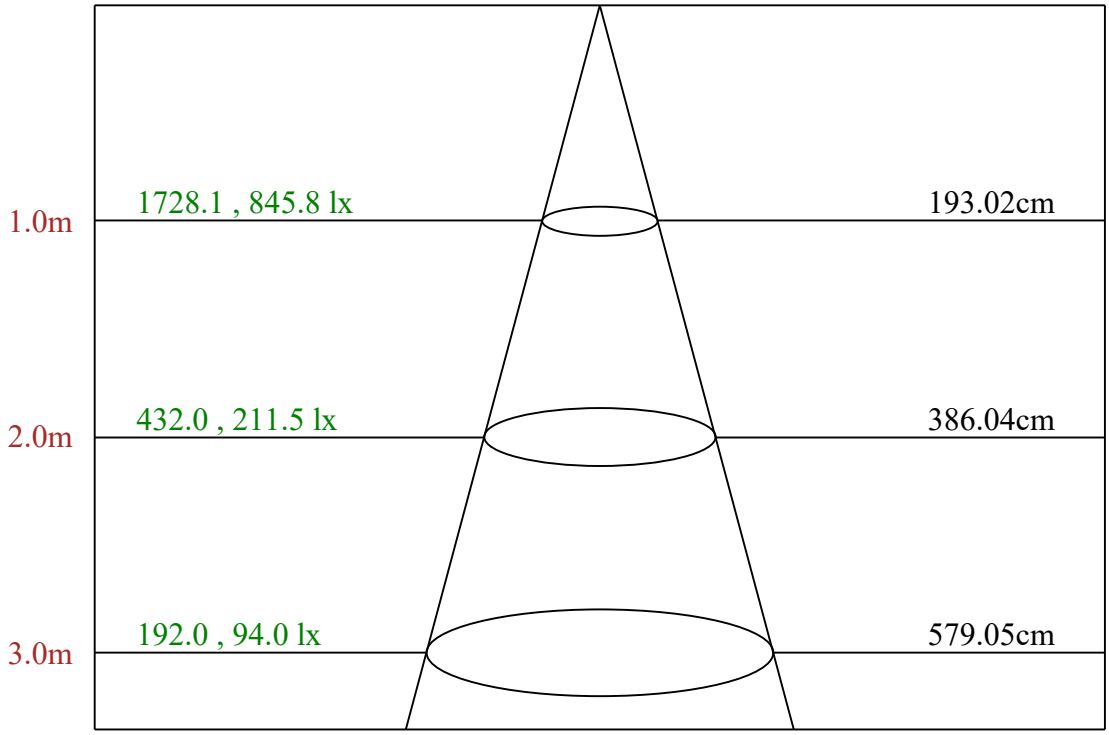




C0(Max):
C0/C180:
C90/C270:

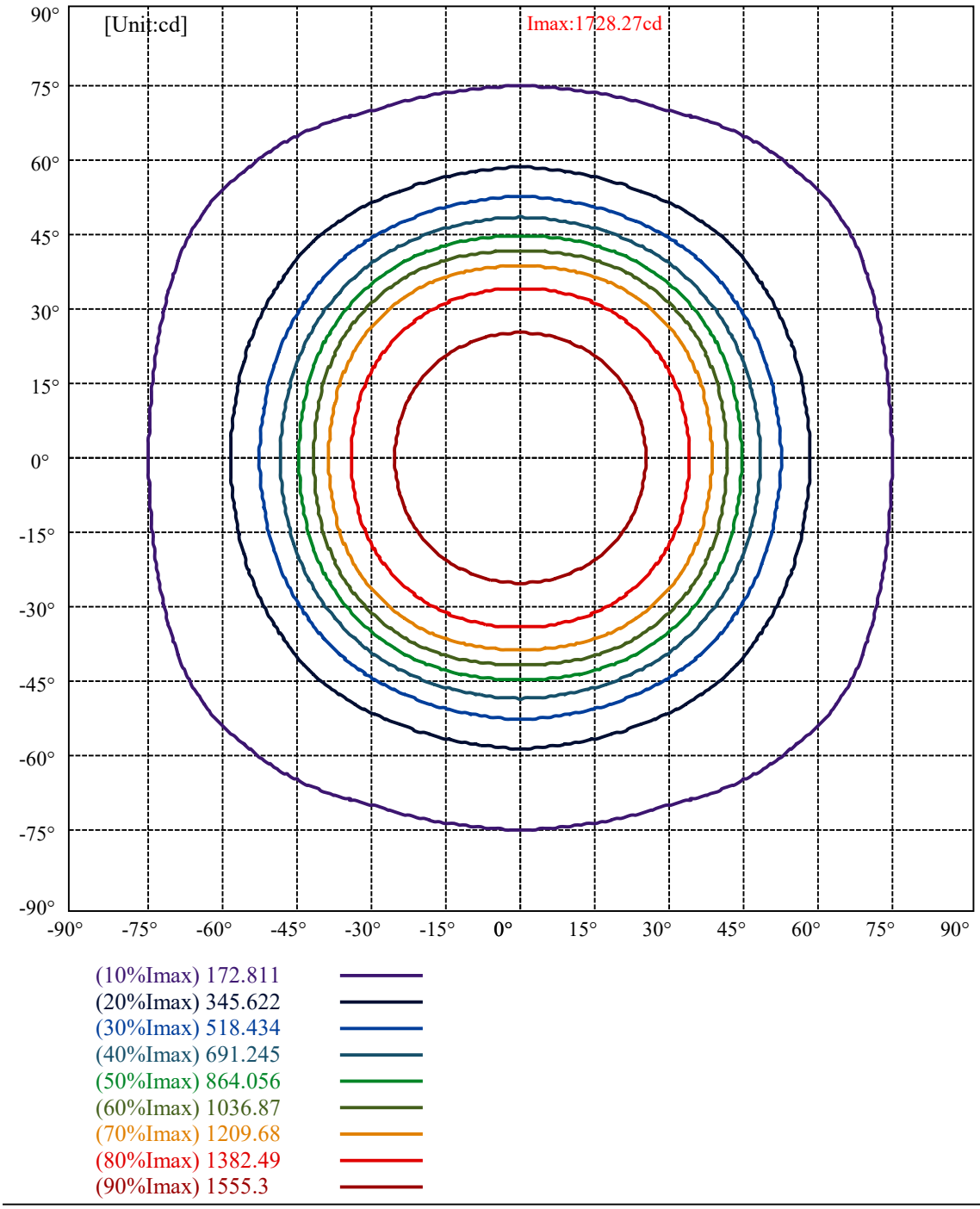
Field angle(10%Imax):C0/180Left:74.5 Right:73.5
:C90/270Left:74.1 Right:74.1

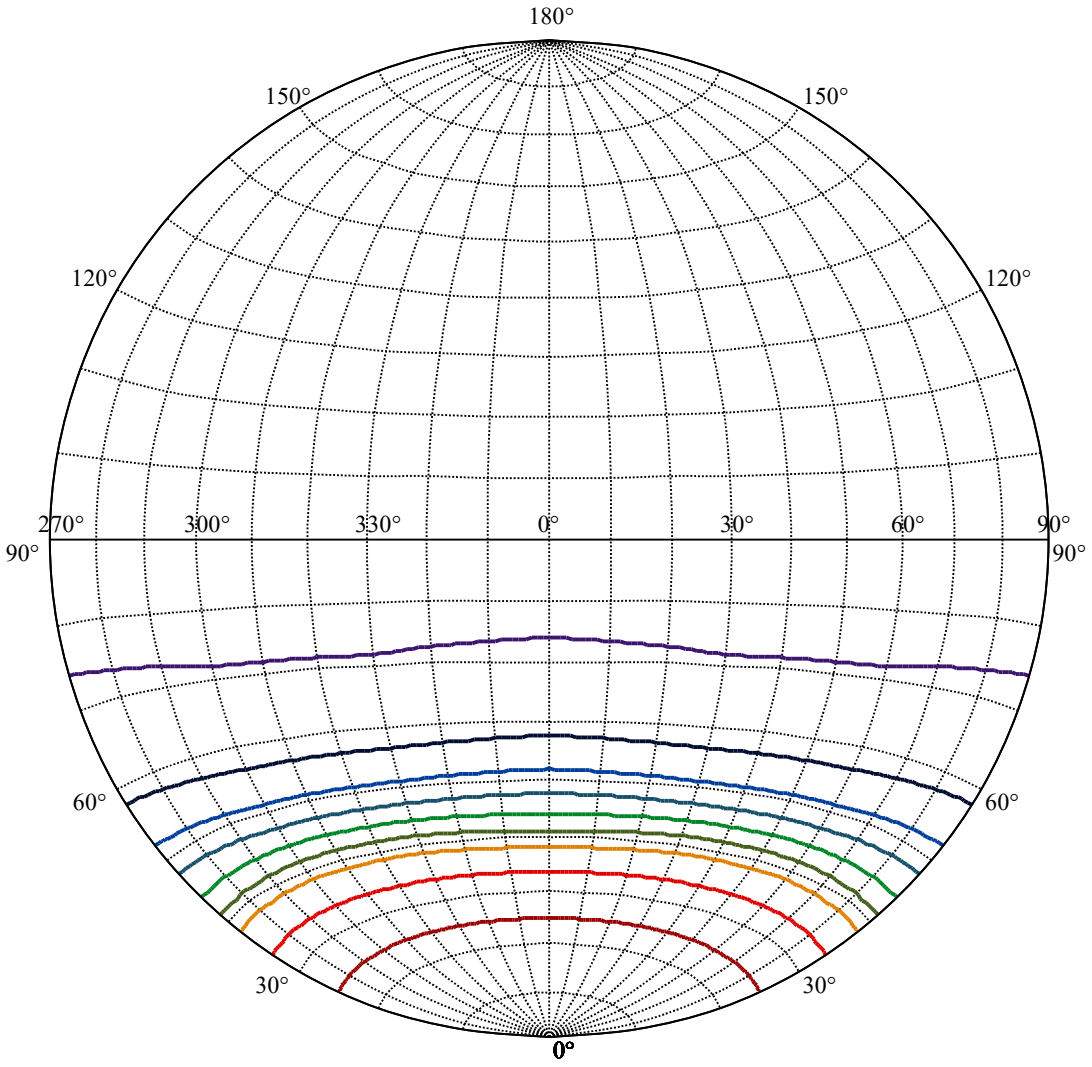
Beam Angle(50%Imax):C0/180Left:44.5 Right:43.5
:C90/270Left:44.1 Right:44.1



Max , Ave

Beam angle of C0 plane 87.96


[Unit:cd]
Imax:1728.27cd
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) 172.811
(20%Imax) 345.622
(30%Imax) 518.434
(40%Imax) 691.245
(50%Imax) 864.056
(60%Imax) 1036.87
(70%Imax) 1209.68
(80%Imax) 1382.49
(90%Imax) 1555.3

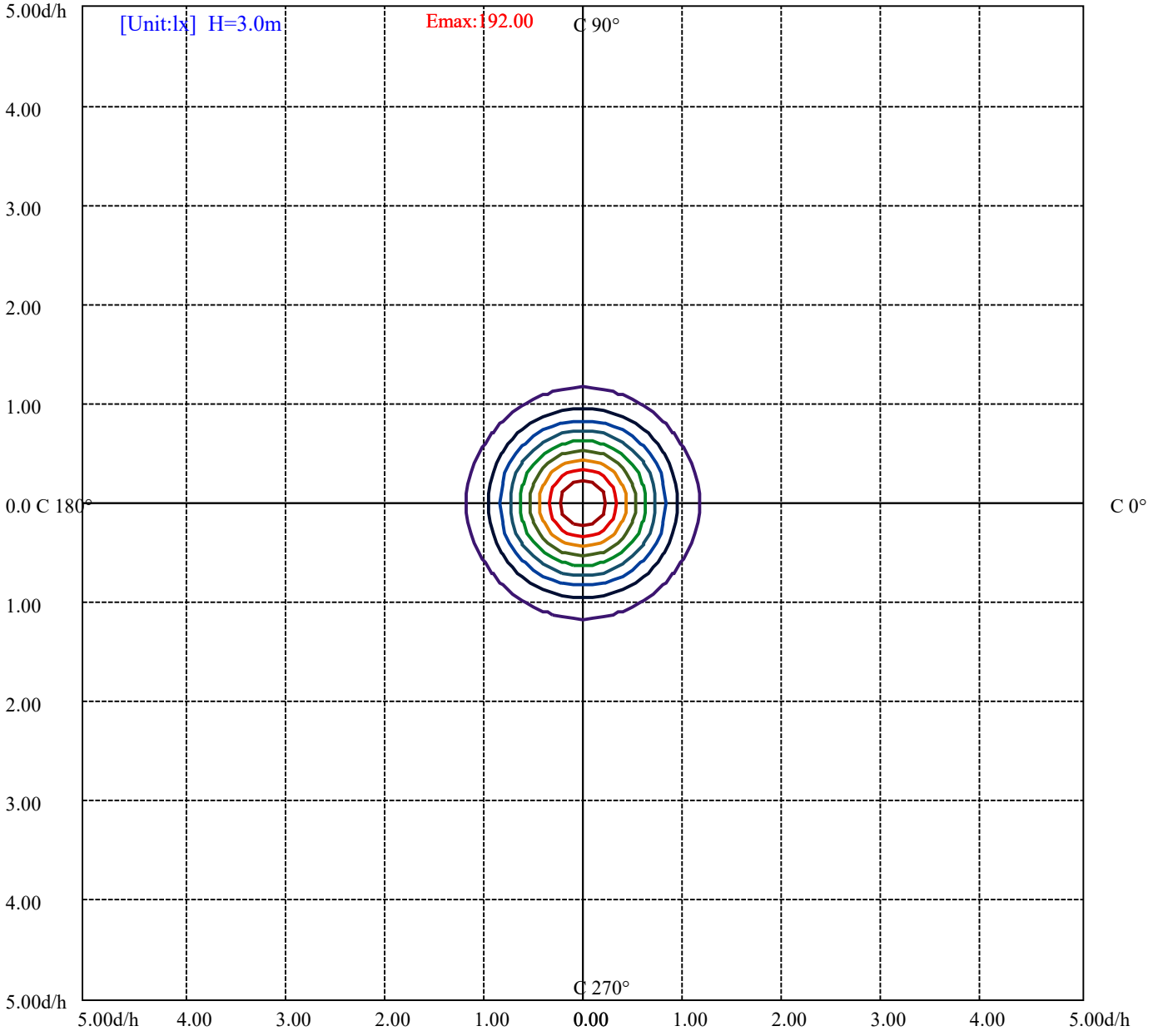


House [Unit:cd] Road

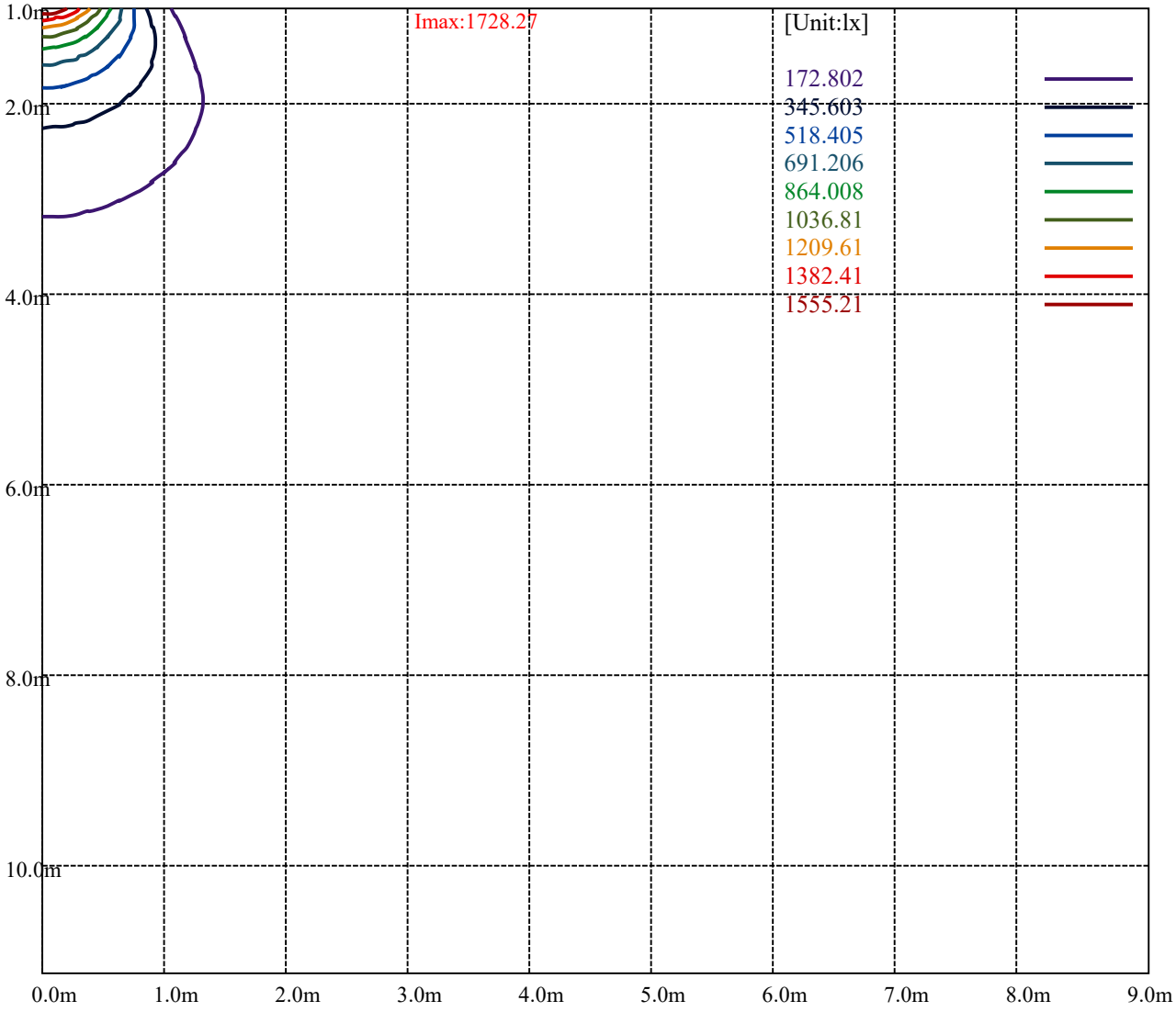
Imax:1728.27

(10%Imax) 172.811
(20%Imax) 345.622
(30%Imax) 518.434
(40%Imax) 691.245
(50%Imax) 864.056
(60%Imax) 1036.87
(70%Imax) 1209.68
(80%Imax) 1382.49
(90%Imax) 1555.3

ISO illuminance diagram



Equipment: GMS-1800 Date: 2024-11-04 Operator: CWR
Temperature(°C): 25.0 Humidity(%): 55.3%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[Unit:lx]
172.802
345.603
518.405
691.206
864.008
1036.81
1209.61
1382.41
1555.21
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

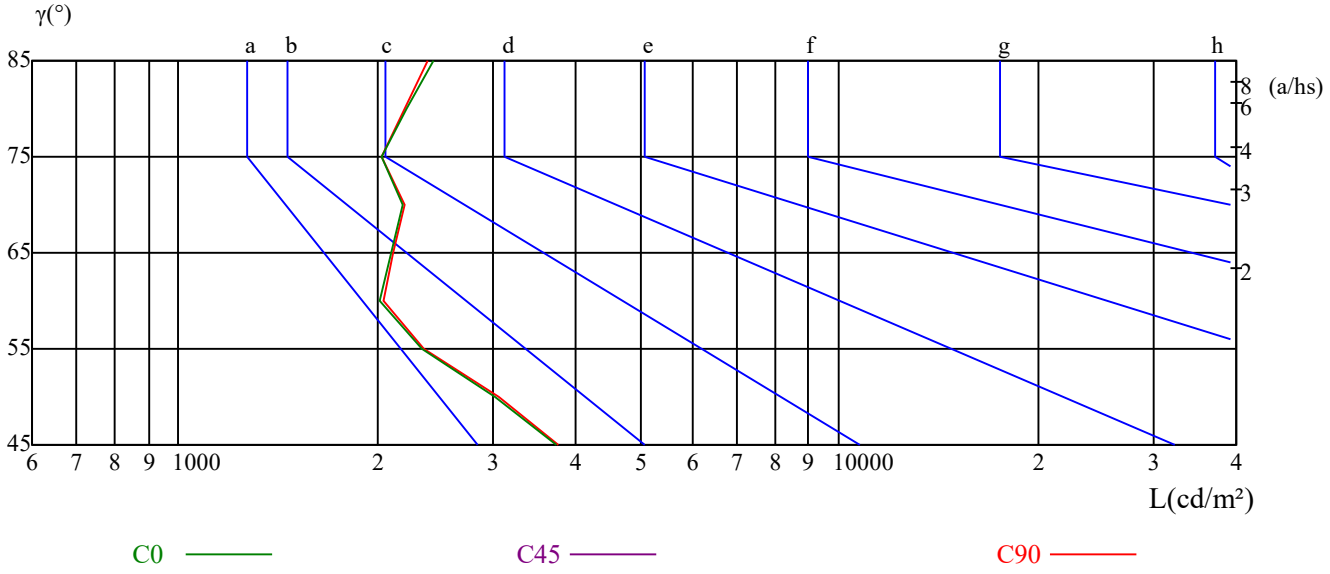
γ	45	50	55	60	65	70	75	80	85
C0	3732	3018	2331	2018	2096	2183	2025	2220	2429
C45	0	0	0	0	0	0	0	0	0
C90	3763	3049	2357	2041	2114	2197	2035	2202	2387

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2096	2114	0	2025	2035	0	2429	2387	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

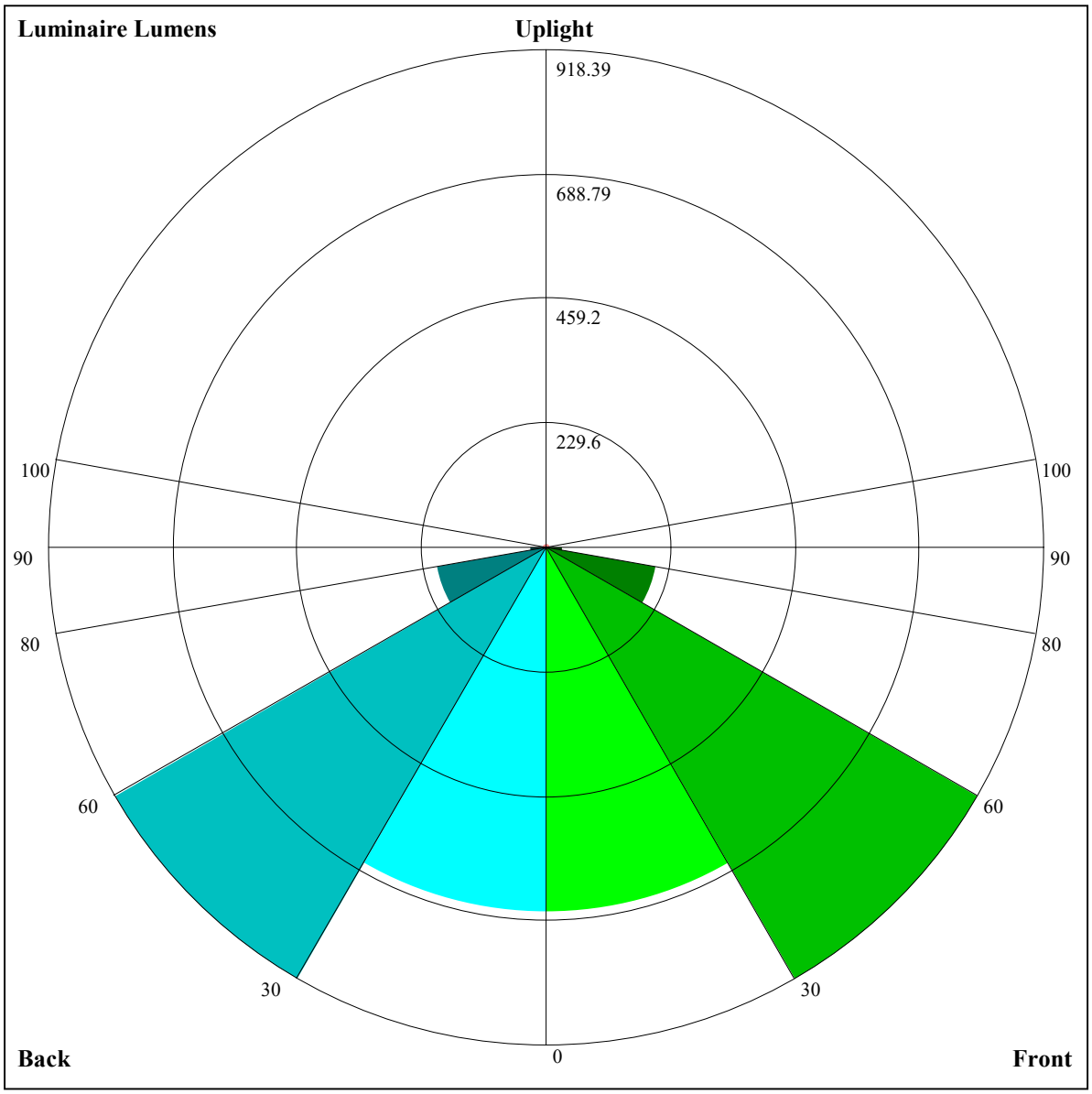
Luminance Limitting Curve



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	14.88	16.32	15.24	16.63	16.95	14.92	16.36	15.28	16.67	16.99
	3H	16.11	17.41	16.49	17.75	18.09	16.15	17.45	16.53	17.79	18.13
	4H	16.69	17.91	17.08	18.26	18.62	16.73	17.95	17.13	18.30	18.66
	6H	17.28	18.41	17.69	18.78	19.17	17.31	18.44	17.72	18.81	19.20
	8H	17.55	18.64	17.96	19.01	19.42	17.57	18.66	17.98	19.03	19.43
	12H	17.77	18.81	18.18	19.19	19.60	17.78	18.81	18.19	19.20	19.61
4H	2H	15.17	16.38	15.56	16.73	17.10	15.20	16.42	15.59	16.77	17.13
	3H	16.61	17.63	17.02	18.02	18.43	16.64	17.67	17.06	18.06	18.47
	4H	17.39	18.30	17.83	18.72	19.16	17.43	18.34	17.86	18.76	19.20
	6H	18.14	18.94	18.60	19.39	19.83	18.16	18.96	18.62	19.41	19.85
	8H	18.52	19.28	19.00	19.72	20.19	18.53	19.29	19.00	19.73	20.20
	12H	18.84	19.55	19.32	19.99	20.49	18.84	19.54	19.32	19.99	20.49
8H	4H	17.63	18.39	18.10	18.83	19.30	17.66	18.42	18.14	18.87	19.33
	6H	18.54	19.17	19.03	19.64	20.14	18.56	19.19	19.05	19.66	20.16
	8H	19.09	19.64	19.60	20.15	20.64	19.09	19.64	19.60	20.15	20.64
	12H	19.52	19.98	20.05	20.49	21.01	19.51	19.97	20.03	20.48	20.99
12H	4H	17.67	18.37	18.15	18.81	19.32	17.70	18.40	18.18	18.85	19.35
	6H	18.67	19.23	19.19	19.74	20.23	18.69	19.24	19.21	19.75	20.24
	8H	19.23	19.69	19.76	20.20	20.71	19.23	19.70	19.76	20.21	20.72

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	1.3/-0.9	1.3/-0.9
Standard tables:	BKBF	BKBF
Uncorrected UGR	3.6	3.6

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



Luminaire Lumens:
FL=674.78,FM=918.39,FH=204.74,FVH=31.79
BL=674.78,BM=918.39,BH=204.74,BVH=31.79
UL=1.68,UH=7.99

BUG Rating:B2-U1-G1

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	1728.02	1728.27	1728.11	1727.70	1727.61	1727.07	1726.32	1725.36	1724.32
30.0	1728.02	1727.98	1727.74	1727.41	1727.14	1726.56	1725.77	1724.88	1723.82
60.0	1728.02	1727.79	1727.48	1727.21	1726.68	1726.09	1725.28	1724.40	1723.30
90.0	1728.02	1727.79	1727.54	1727.26	1726.65	1726.10	1725.31	1724.39	1723.28
120.0	1728.02	1727.79	1727.48	1727.21	1726.68	1726.09	1725.28	1724.40	1723.30
150.0	1728.02	1727.98	1727.74	1727.41	1727.14	1726.56	1725.77	1724.88	1723.82
180.0	1728.02	1728.27	1728.11	1727.70	1727.61	1727.07	1726.32	1725.36	1724.32
210.0	1728.02	1727.98	1727.74	1727.41	1727.14	1726.56	1725.77	1724.88	1723.82
240.0	1728.02	1727.79	1727.48	1727.21	1726.68	1726.09	1725.28	1724.40	1723.30
270.0	1728.02	1727.79	1727.54	1727.26	1726.65	1726.10	1725.31	1724.39	1723.28
300.0	1728.02	1727.79	1727.48	1727.21	1726.68	1726.09	1725.28	1724.40	1723.30
330.0	1728.02	1727.98	1727.74	1727.41	1727.14	1726.56	1725.77	1724.88	1723.82
360.0	1728.02	1728.27	1728.11	1727.70	1727.61	1727.07	1726.32	1725.36	1724.32

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1723.21	1721.78	1720.24	1718.66	1716.88	1715.01	1712.79	1710.58	1708.32
30.0	1722.69	1721.29	1719.80	1718.19	1716.48	1714.59	1712.53	1710.36	1708.12
60.0	1722.16	1720.84	1719.40	1717.74	1716.11	1714.23	1712.33	1710.16	1707.95
90.0	1722.13	1720.85	1719.44	1717.76	1716.13	1714.27	1712.39	1710.18	1707.97
120.0	1722.16	1720.84	1719.40	1717.74	1716.11	1714.23	1712.33	1710.16	1707.95
150.0	1722.69	1721.29	1719.80	1718.19	1716.48	1714.59	1712.53	1710.36	1708.12
180.0	1723.21	1721.78	1720.24	1718.66	1716.88	1715.01	1712.79	1710.58	1708.32
210.0	1722.69	1721.29	1719.80	1718.19	1716.48	1714.59	1712.53	1710.36	1708.12
240.0	1722.16	1720.84	1719.40	1717.74	1716.11	1714.23	1712.33	1710.16	1707.95
270.0	1722.13	1720.85	1719.44	1717.76	1716.13	1714.27	1712.39	1710.18	1707.97
300.0	1722.16	1720.84	1719.40	1717.74	1716.11	1714.23	1712.33	1710.16	1707.95
330.0	1722.69	1721.29	1719.80	1718.19	1716.48	1714.59	1712.53	1710.36	1708.12
360.0	1723.21	1721.78	1720.24	1718.66	1716.88	1715.01	1712.79	1710.58	1708.32

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1705.94	1703.45	1700.83	1698.06	1695.16	1692.36	1689.19	1685.90	1682.44
30.0	1705.76	1703.27	1700.61	1697.86	1695.02	1692.16	1689.00	1685.68	1682.19
60.0	1705.60	1703.08	1700.41	1697.67	1694.89	1691.97	1688.77	1685.47	1681.98
90.0	1705.61	1703.05	1700.44	1697.68	1694.89	1692.01	1688.74	1685.46	1682.02
120.0	1705.60	1703.08	1700.41	1697.67	1694.89	1691.97	1688.77	1685.47	1681.98
150.0	1705.76	1703.27	1700.61	1697.86	1695.02	1692.16	1689.00	1685.68	1682.19
180.0	1705.94	1703.45	1700.83	1698.06	1695.16	1692.36	1689.19	1685.90	1682.44
210.0	1705.76	1703.27	1700.61	1697.86	1695.02	1692.16	1689.00	1685.68	1682.19
240.0	1705.60	1703.08	1700.41	1697.67	1694.89	1691.97	1688.77	1685.47	1681.98
270.0	1705.61	1703.05	1700.44	1697.68	1694.89	1692.01	1688.74	1685.46	1682.02
300.0	1705.60	1703.08	1700.41	1697.67	1694.89	1691.97	1688.77	1685.47	1681.98
330.0	1705.76	1703.27	1700.61	1697.86	1695.02	1692.16	1689.00	1685.68	1682.19
360.0	1705.94	1703.45	1700.83	1698.06	1695.16	1692.36	1689.19	1685.90	1682.44

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1678.74	1675.04	1671.17	1667.09	1662.92	1658.54	1654.12	1649.61	1644.99
30.0	1678.54	1674.84	1670.90	1666.84	1662.67	1658.27	1653.82	1649.28	1644.68
60.0	1678.38	1674.65	1670.65	1666.66	1662.49	1658.11	1653.59	1649.00	1644.39
90.0	1678.40	1674.66	1670.67	1666.73	1662.56	1658.22	1653.65	1649.03	1644.41
120.0	1678.38	1674.65	1670.65	1666.66	1662.49	1658.11	1653.59	1649.00	1644.39
150.0	1678.54	1674.84	1670.90	1666.84	1662.67	1658.27	1653.82	1649.28	1644.68
180.0	1678.74	1675.04	1671.17	1667.09	1662.92	1658.54	1654.12	1649.61	1644.99
210.0	1678.54	1674.84	1670.90	1666.84	1662.67	1658.27	1653.82	1649.28	1644.68
240.0	1678.38	1674.65	1670.65	1666.66	1662.49	1658.11	1653.59	1649.00	1644.39
270.0	1678.40	1674.66	1670.67	1666.73	1662.56	1658.22	1653.65	1649.03	1644.41
300.0	1678.38	1674.65	1670.65	1666.66	1662.49	1658.11	1653.59	1649.00	1644.39
330.0	1678.54	1674.84	1670.90	1666.84	1662.67	1658.27	1653.82	1649.28	1644.68
360.0	1678.74	1675.04	1671.17	1667.09	1662.92	1658.54	1654.12	1649.61	1644.99

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	1640.31	1635.28	1630.12	1624.65	1619.17	1613.54	1607.68	1601.66	1595.61
30.0	1639.93	1634.88	1629.75	1624.35	1618.83	1613.16	1607.37	1601.36	1595.37
60.0	1639.62	1634.60	1629.47	1624.09	1618.50	1612.88	1607.07	1601.00	1594.98
90.0	1639.69	1634.72	1629.55	1624.13	1618.48	1613.01	1607.06	1600.94	1594.81
120.0	1639.62	1634.60	1629.47	1624.09	1618.50	1612.88	1607.07	1601.00	1594.98
150.0	1639.93	1634.88	1629.75	1624.35	1618.83	1613.16	1607.37	1601.36	1595.37
180.0	1640.31	1635.28	1630.12	1624.65	1619.17	1613.54	1607.68	1601.66	1595.61
210.0	1639.93	1634.88	1629.75	1624.35	1618.83	1613.16	1607.37	1601.36	1595.37
240.0	1639.62	1634.60	1629.47	1624.09	1618.50	1612.88	1607.07	1601.00	1594.98
270.0	1639.69	1634.72	1629.55	1624.13	1618.48	1613.01	1607.06	1600.94	1594.81
300.0	1639.62	1634.60	1629.47	1624.09	1618.50	1612.88	1607.07	1601.00	1594.98
330.0	1639.93	1634.88	1629.75	1624.35	1618.83	1613.16	1607.37	1601.36	1595.37
360.0	1640.31	1635.28	1630.12	1624.65	1619.17	1613.54	1607.68	1601.66	1595.61

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1589.43	1582.85	1576.20	1569.32	1562.18	1554.67	1547.11	1539.56	1531.61
30.0	1589.21	1582.75	1576.13	1569.29	1562.23	1554.99	1547.52	1540.02	1532.16
60.0	1588.86	1582.44	1575.81	1568.90	1561.83	1554.70	1547.24	1539.61	1531.74
90.0	1588.74	1582.24	1575.58	1568.53	1561.40	1554.07	1546.59	1538.76	1530.78
120.0	1588.86	1582.44	1575.81	1568.90	1561.83	1554.70	1547.24	1539.61	1531.74
150.0	1589.21	1582.75	1576.13	1569.29	1562.23	1554.99	1547.52	1540.02	1532.16
180.0	1589.43	1582.85	1576.20	1569.32	1562.18	1554.67	1547.11	1539.56	1531.61
210.0	1589.21	1582.75	1576.13	1569.29	1562.23	1554.99	1547.52	1540.02	1532.16
240.0	1588.86	1582.44	1575.81	1568.90	1561.83	1554.70	1547.24	1539.61	1531.74
270.0	1588.74	1582.24	1575.58	1568.53	1561.40	1554.07	1546.59	1538.76	1530.78
300.0	1588.86	1582.44	1575.81	1568.90	1561.83	1554.70	1547.24	1539.61	1531.74
330.0	1589.21	1582.75	1576.13	1569.29	1562.23	1554.99	1547.52	1540.02	1532.16
360.0	1589.43	1582.85	1576.20	1569.32	1562.18	1554.67	1547.11	1539.56	1531.61

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1523.28	1514.89	1506.14	1497.23	1488.21	1478.81	1468.92	1458.85	1448.27
30.0	1523.97	1515.67	1507.04	1498.17	1489.24	1479.92	1470.16	1460.21	1449.85
60.0	1523.64	1515.33	1506.76	1497.86	1488.94	1479.62	1469.96	1460.02	1449.72
90.0	1522.65	1514.24	1505.61	1496.62	1487.63	1478.25	1468.56	1458.54	1448.02
120.0	1523.64	1515.33	1506.76	1497.86	1488.94	1479.62	1469.96	1460.02	1449.72
150.0	1523.97	1515.67	1507.04	1498.17	1489.24	1479.92	1470.16	1460.21	1449.85
180.0	1523.28	1514.89	1506.14	1497.23	1488.21	1478.81	1468.92	1458.85	1448.27
210.0	1523.97	1515.67	1507.04	1498.17	1489.24	1479.92	1470.16	1460.21	1449.85
240.0	1523.64	1515.33	1506.76	1497.86	1488.94	1479.62	1469.96	1460.02	1449.72
270.0	1522.65	1514.24	1505.61	1496.62	1487.63	1478.25	1468.56	1458.54	1448.02
300.0	1523.64	1515.33	1506.76	1497.86	1488.94	1479.62	1469.96	1460.02	1449.72
330.0	1523.97	1515.67	1507.04	1498.17	1489.24	1479.92	1470.16	1460.21	1449.85
360.0	1523.28	1514.89	1506.14	1497.23	1488.21	1478.81	1468.92	1458.85	1448.27

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1437.36	1425.82	1413.72	1400.77	1387.39	1373.12	1357.72	1341.28	1323.59
30.0	1439.11	1427.91	1416.25	1403.96	1391.24	1378.04	1363.95	1348.93	1333.16
60.0	1438.98	1427.84	1416.41	1404.28	1391.62	1378.74	1364.78	1349.83	1334.30
90.0	1437.16	1425.71	1414.12	1401.47	1388.22	1374.64	1359.46	1343.15	1326.01
120.0	1438.98	1427.84	1416.41	1404.28	1391.62	1378.74	1364.78	1349.83	1334.30
150.0	1439.11	1427.91	1416.25	1403.96	1391.24	1378.04	1363.95	1348.93	1333.16
180.0	1437.36	1425.82	1413.72	1400.77	1387.39	1373.12	1357.72	1341.28	1323.59
210.0	1439.11	1427.91	1416.25	1403.96	1391.24	1378.04	1363.95	1348.93	1333.16
240.0	1438.98	1427.84	1416.41	1404.28	1391.62	1378.74	1364.78	1349.83	1334.30
270.0	1437.16	1425.71	1414.12	1401.47	1388.22	1374.64	1359.46	1343.15	1326.01
300.0	1438.98	1427.84	1416.41	1404.28	1391.62	1378.74	1364.78	1349.83	1334.30
330.0	1439.11	1427.91	1416.25	1403.96	1391.24	1378.04	1363.95	1348.93	1333.16
360.0	1437.36	1425.82	1413.72	1400.77	1387.39	1373.12	1357.72	1341.28	1323.59

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	1304.59	1284.39	1262.70	1239.39	1214.19	1187.34	1158.84	1129.03	1098.58
30.0	1316.42	1298.72	1279.89	1259.86	1238.32	1215.45	1191.00	1165.23	1138.31
60.0	1317.86	1300.20	1281.62	1261.62	1240.24	1217.37	1193.23	1167.62	1140.88
90.0	1307.62	1287.47	1266.37	1243.09	1218.33	1191.41	1163.62	1134.11	1104.08
120.0	1317.86	1300.20	1281.62	1261.62	1240.24	1217.37	1193.23	1167.62	1140.88
150.0	1316.42	1298.72	1279.89	1259.86	1238.32	1215.45	1191.00	1165.23	1138.31
180.0	1304.59	1284.39	1262.70	1239.39	1214.19	1187.34	1158.84	1129.03	1098.58
210.0	1316.42	1298.72	1279.89	1259.86	1238.32	1215.45	1191.00	1165.23	1138.31
240.0	1317.86	1300.20	1281.62	1261.62	1240.24	1217.37	1193.23	1167.62	1140.88
270.0	1307.62	1287.47	1266.37	1243.09	1218.33	1191.41	1163.62	1134.11	1104.08
300.0	1317.86	1300.20	1281.62	1261.62	1240.24	1217.37	1193.23	1167.62	1140.88
330.0	1316.42	1298.72	1279.89	1259.86	1238.32	1215.45	1191.00	1165.23	1138.31
360.0	1304.59	1284.39	1262.70	1239.39	1214.19	1187.34	1158.84	1129.03	1098.58

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1067.03	1036.03	1004.93	974.34	944.74	915.98	888.65	862.25	837.28
30.0	1109.87	1080.65	1050.19	1018.42	986.25	953.27	920.21	886.77	854.32
60.0	1112.77	1083.55	1053.06	1021.20	989.08	956.11	923.15	889.84	857.46
90.0	1073.14	1042.19	1010.96	980.20	950.64	921.84	894.66	868.51	843.66
120.0	1112.77	1083.55	1053.06	1021.20	989.08	956.11	923.15	889.84	857.46
150.0	1109.87	1080.65	1050.19	1018.42	986.25	953.27	920.21	886.77	854.32
180.0	1067.03	1036.03	1004.93	974.34	944.74	915.98	888.65	862.25	837.28
210.0	1109.87	1080.65	1050.19	1018.42	986.25	953.27	920.21	886.77	854.32
240.0	1112.77	1083.55	1053.06	1021.20	989.08	956.11	923.15	889.84	857.46
270.0	1073.14	1042.19	1010.96	980.20	950.64	921.84	894.66	868.51	843.66
300.0	1112.77	1083.55	1053.06	1021.20	989.08	956.11	923.15	889.84	857.46
330.0	1109.87	1080.65	1050.19	1018.42	986.25	953.27	920.21	886.77	854.32
360.0	1067.03	1036.03	1004.93	974.34	944.74	915.98	888.65	862.25	837.28

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	812.88	789.24	766.82	745.02	723.25	701.77	680.41	659.57	638.61
30.0	822.14	790.82	761.01	732.58	705.00	678.71	653.74	629.90	606.54
60.0	825.46	794.33	764.54	736.09	708.62	682.33	657.38	633.41	609.92
90.0	819.59	796.29	773.93	751.98	730.44	708.89	687.58	666.50	645.20
120.0	825.46	794.33	764.54	736.09	708.62	682.33	657.38	633.41	609.92
150.0	822.14	790.82	761.01	732.58	705.00	678.71	653.74	629.90	606.54
180.0	812.88	789.24	766.82	745.02	723.25	701.77	680.41	659.57	638.61
210.0	822.14	790.82	761.01	732.58	705.00	678.71	653.74	629.90	606.54
240.0	825.46	794.33	764.54	736.09	708.62	682.33	657.38	633.41	609.92
270.0	819.59	796.29	773.93	751.98	730.44	708.89	687.58	666.50	645.20
300.0	825.46	794.33	764.54	736.09	708.62	682.33	657.38	633.41	609.92
330.0	822.14	790.82	761.01	732.58	705.00	678.71	653.74	629.90	606.54
360.0	812.88	789.24	766.82	745.02	723.25	701.77	680.41	659.57	638.61

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	617.98	597.50	576.73	556.30	535.92	515.62	496.12	477.58	459.91
30.0	583.80	561.41	539.99	519.72	500.16	481.11	462.99	445.90	429.59
60.0	587.08	564.60	543.20	522.87	503.20	484.17	465.87	448.70	432.26
90.0	624.40	603.76	582.98	562.44	541.79	521.51	501.71	483.01	465.06
120.0	587.08	564.60	543.20	522.87	503.20	484.17	465.87	448.70	432.26
150.0	583.80	561.41	539.99	519.72	500.16	481.11	462.99	445.90	429.59
180.0	617.98	597.50	576.73	556.30	535.92	515.62	496.12	477.58	459.91
210.0	583.80	561.41	539.99	519.72	500.16	481.11	462.99	445.90	429.59
240.0	587.08	564.60	543.20	522.87	503.20	484.17	465.87	448.70	432.26
270.0	624.40	603.76	582.98	562.44	541.79	521.51	501.71	483.01	465.06
300.0	587.08	564.60	543.20	522.87	503.20	484.17	465.87	448.70	432.26
330.0	583.80	561.41	539.99	519.72	500.16	481.11	462.99	445.90	429.59
360.0	617.98	597.50	576.73	556.30	535.92	515.62	496.12	477.58	459.91

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	443.02	426.98	411.89	397.72	384.30	371.86	360.33	349.86	340.34
30.0	413.98	399.18	385.16	371.82	359.10	347.03	335.55	324.75	314.50
60.0	416.48	401.56	387.48	374.06	361.28	349.16	337.71	326.80	316.45
90.0	447.88	431.60	416.38	402.08	388.55	376.01	364.50	353.84	344.13
120.0	416.48	401.56	387.48	374.06	361.28	349.16	337.71	326.80	316.45
150.0	413.98	399.18	385.16	371.82	359.10	347.03	335.55	324.75	314.50
180.0	443.02	426.98	411.89	397.72	384.30	371.86	360.33	349.86	340.34
210.0	413.98	399.18	385.16	371.82	359.10	347.03	335.55	324.75	314.50
240.0	416.48	401.56	387.48	374.06	361.28	349.16	337.71	326.80	316.45
270.0	447.88	431.60	416.38	402.08	388.55	376.01	364.50	353.84	344.13
300.0	416.48	401.56	387.48	374.06	361.28	349.16	337.71	326.80	316.45
330.0	413.98	399.18	385.16	371.82	359.10	347.03	335.55	324.75	314.50
360.0	443.02	426.98	411.89	397.72	384.30	371.86	360.33	349.86	340.34

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	331.75	324.05	317.17	310.87	305.27	300.17	295.62	291.43	287.48
30.0	304.86	295.71	287.25	279.17	271.66	264.54	257.86	251.54	245.51
60.0	306.78	297.58	289.08	280.99	273.43	266.33	259.59	253.15	247.01
90.0	335.51	327.72	320.74	314.41	308.74	303.65	299.01	294.62	290.43
120.0	306.78	297.58	289.08	280.99	273.43	266.33	259.59	253.15	247.01
150.0	304.86	295.71	287.25	279.17	271.66	264.54	257.86	251.54	245.51
180.0	331.75	324.05	317.17	310.87	305.27	300.17	295.62	291.43	287.48
210.0	304.86	295.71	287.25	279.17	271.66	264.54	257.86	251.54	245.51
240.0	306.78	297.58	289.08	280.99	273.43	266.33	259.59	253.15	247.01
270.0	335.51	327.72	320.74	314.41	308.74	303.65	299.01	294.62	290.43
300.0	306.78	297.58	289.08	280.99	273.43	266.33	259.59	253.15	247.01
330.0	304.86	295.71	287.25	279.17	271.66	264.54	257.86	251.54	245.51
360.0	331.75	324.05	317.17	310.87	305.27	300.17	295.62	291.43	287.48

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	284.12	281.04	278.14	275.42	272.89	270.36	267.69	264.76	261.53
30.0	240.04	234.99	230.26	225.99	222.16	218.63	215.29	212.06	208.92
60.0	241.39	236.31	231.56	227.27	223.36	219.77	216.35	213.07	209.83
90.0	286.76	283.62	280.68	277.90	275.23	272.58	269.75	266.72	263.30
120.0	241.39	236.31	231.56	227.27	223.36	219.77	216.35	213.07	209.83
150.0	240.04	234.99	230.26	225.99	222.16	218.63	215.29	212.06	208.92
180.0	284.12	281.04	278.14	275.42	272.89	270.36	267.69	264.76	261.53
210.0	240.04	234.99	230.26	225.99	222.16	218.63	215.29	212.06	208.92
240.0	241.39	236.31	231.56	227.27	223.36	219.77	216.35	213.07	209.83
270.0	286.76	283.62	280.68	277.90	275.23	272.58	269.75	266.72	263.30
300.0	241.39	236.31	231.56	227.27	223.36	219.77	216.35	213.07	209.83
330.0	240.04	234.99	230.26	225.99	222.16	218.63	215.29	212.06	208.92
360.0	284.12	281.04	278.14	275.42	272.89	270.36	267.69	264.76	261.53

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	257.83	253.54	248.69	243.09	236.86	229.98	222.63	215.06	207.36
30.0	205.75	202.47	199.08	195.46	191.66	187.63	183.46	179.21	174.92
60.0	206.56	203.20	199.73	196.12	192.35	188.39	184.38	180.24	176.01
90.0	259.40	254.95	249.99	244.40	238.20	231.46	224.45	217.10	209.51
120.0	206.56	203.20	199.73	196.12	192.35	188.39	184.38	180.24	176.01
150.0	205.75	202.47	199.08	195.46	191.66	187.63	183.46	179.21	174.92
180.0	257.83	253.54	248.69	243.09	236.86	229.98	222.63	215.06	207.36
210.0	205.75	202.47	199.08	195.46	191.66	187.63	183.46	179.21	174.92
240.0	206.56	203.20	199.73	196.12	192.35	188.39	184.38	180.24	176.01
270.0	259.40	254.95	249.99	244.40	238.20	231.46	224.45	217.10	209.51
300.0	206.56	203.20	199.73	196.12	192.35	188.39	184.38	180.24	176.01
330.0	205.75	202.47	199.08	195.46	191.66	187.63	183.46	179.21	174.92
360.0	257.83	253.54	248.69	243.09	236.86	229.98	222.63	215.06	207.36

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	199.82	192.47	185.38	178.70	172.47	166.75	161.41	156.51	151.94
30.0	170.69	166.52	162.41	158.41	154.51	150.73	146.99	143.34	139.72
60.0	171.78	167.59	163.42	159.36	155.33	151.38	147.43	143.60	139.81
90.0	201.96	194.57	187.37	180.56	174.06	168.01	162.25	157.01	152.11
120.0	171.78	167.59	163.42	159.36	155.33	151.38	147.43	143.60	139.81
150.0	170.69	166.52	162.41	158.41	154.51	150.73	146.99	143.34	139.72
180.0	199.82	192.47	185.38	178.70	172.47	166.75	161.41	156.51	151.94
210.0	170.69	166.52	162.41	158.41	154.51	150.73	146.99	143.34	139.72
240.0	171.78	167.59	163.42	159.36	155.33	151.38	147.43	143.60	139.81
270.0	201.96	194.57	187.37	180.56	174.06	168.01	162.25	157.01	152.11
300.0	171.78	167.59	163.42	159.36	155.33	151.38	147.43	143.60	139.81
330.0	170.69	166.52	162.41	158.41	154.51	150.73	146.99	143.34	139.72
360.0	199.82	192.47	185.38	178.70	172.47	166.75	161.41	156.51	151.94

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	147.59	143.38	139.29	135.19	131.13	127.06	122.90	118.76	114.68
30.0	136.02	132.25	128.45	124.53	120.52	116.43	112.21	107.94	103.65
60.0	135.95	132.04	128.11	124.12	120.04	115.91	111.69	107.44	103.20
90.0	147.41	142.94	138.61	134.37	130.16	126.00	121.84	117.77	113.76
120.0	135.95	132.04	128.11	124.12	120.04	115.91	111.69	107.44	103.20
150.0	136.02	132.25	128.45	124.53	120.52	116.43	112.21	107.94	103.65
180.0	147.59	143.38	139.29	135.19	131.13	127.06	122.90	118.76	114.68
210.0	136.02	132.25	128.45	124.53	120.52	116.43	112.21	107.94	103.65
240.0	135.95	132.04	128.11	124.12	120.04	115.91	111.69	107.44	103.20
270.0	147.41	142.94	138.61	134.37	130.16	126.00	121.84	117.77	113.76
300.0	135.95	132.04	128.11	124.12	120.04	115.91	111.69	107.44	103.20
330.0	136.02	132.25	128.45	124.53	120.52	116.43	112.21	107.94	103.65
360.0	147.59	143.38	139.29	135.19	131.13	127.06	122.90	118.76	114.68

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	110.72	106.69	102.43	97.75	92.44	86.41	79.78	72.61	65.20
30.0	99.37	95.00	90.51	85.80	80.74	75.28	69.51	63.44	57.23
60.0	98.86	94.42	89.82	84.99	79.90	74.49	68.78	62.82	56.67
90.0	109.68	105.53	101.04	96.14	90.77	84.84	78.35	71.37	64.07
120.0	98.86	94.42	89.82	84.99	79.90	74.49	68.78	62.82	56.67
150.0	99.37	95.00	90.51	85.80	80.74	75.28	69.51	63.44	57.23
180.0	110.72	106.69	102.43	97.75	92.44	86.41	79.78	72.61	65.20
210.0	99.37	95.00	90.51	85.80	80.74	75.28	69.51	63.44	57.23
240.0	98.86	94.42	89.82	84.99	79.90	74.49	68.78	62.82	56.67
270.0	109.68	105.53	101.04	96.14	90.77	84.84	78.35	71.37	64.07
300.0	98.86	94.42	89.82	84.99	79.90	74.49	68.78	62.82	56.67
330.0	99.37	95.00	90.51	85.80	80.74	75.28	69.51	63.44	57.23
360.0	110.72	106.69	102.43	97.75	92.44	86.41	79.78	72.61	65.20

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	57.58	49.84	42.31	35.02	27.99	21.55	15.82	10.62	6.35
30.0	50.89	44.43	38.02	31.72	25.57	19.73	14.33	9.53	5.61
60.0	50.41	44.08	37.67	31.36	25.26	19.48	14.04	9.35	5.51
90.0	56.60	49.16	41.63	34.29	27.33	21.01	15.20	10.23	6.09
120.0	50.41	44.08	37.67	31.36	25.26	19.48	14.04	9.35	5.51
150.0	50.89	44.43	38.02	31.72	25.57	19.73	14.33	9.53	5.61
180.0	57.58	49.84	42.31	35.02	27.99	21.55	15.82	10.62	6.35
210.0	50.89	44.43	38.02	31.72	25.57	19.73	14.33	9.53	5.61
240.0	50.41	44.08	37.67	31.36	25.26	19.48	14.04	9.35	5.51
270.0	56.60	49.16	41.63	34.29	27.33	21.01	15.20	10.23	6.09
300.0	50.41	44.08	37.67	31.36	25.26	19.48	14.04	9.35	5.51
330.0	50.89	44.43	38.02	31.72	25.57	19.73	14.33	9.53	5.61
360.0	57.58	49.84	42.31	35.02	27.99	21.55	15.82	10.62	6.35

Intensity data(cd)

C/γ(°)	90.0
0.0	1.12
30.0	1.00
60.0	1.33
90.0	3.46
120.0	1.33
150.0	1.00
180.0	1.12
210.0	1.00
240.0	1.33
270.0	3.46
300.0	1.33
330.0	1.00
360.0	1.12