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NT

Client:

LumCAT: 2-2646-L

Luminaire: 92.70.412.000

Report No: 20231101-B026

Ballast type: AC

Test No: 20231101-C026

Voltage(V): 35.200

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.875

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2355.01, Efficiency(%): 91.88% , Luminous Efficacy(lm/W): 148.35

Central intensity(cd): 4109.036, Maximum intensity(cd): 4109.036

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=46.4

[C90/270]Total=46.4

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0_180=0.74 C90_270=0.74

Maximum s/h(1/4): C0_180=0.71 C90_270=0.71

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.031%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4109.036	0.000	0	0.00%	0.00%
1.0	4102.463	3.929	3.929	0.15%	0.17%
2.0	4072.987	11.734	15.663	0.46%	0.67%
3.0	4030.918	19.382	35.045	0.76%	1.49%
4.0	3975.772	26.801	61.846	1.05%	2.63%
5.0	3911.977	33.933	95.779	1.32%	4.07%
6.0	3842.647	40.753	136.531	1.59%	5.80%
7.0	3772.694	47.268	183.8	1.84%	7.80%
8.0	3706.408	53.526	237.326	2.09%	10.08%
9.0	3628.705	59.447	296.773	2.32%	12.60%
10.0	3556.261	65.021	361.795	2.54%	15.36%
11.0	3475.929	70.266	432.061	2.74%	18.35%
12.0	3396.497	75.125	507.186	2.93%	21.54%
13.0	3319.417	79.701	586.887	3.11%	24.92%
14.0	3224.278	83.759	670.646	3.27%	28.48%
15.0	3131.837	87.260	757.905	3.40%	32.18%
16.0	3022.030	90.171	848.077	3.52%	36.01%
17.0	2915.405	92.462	940.538	3.61%	39.94%
18.0	2783.317	93.960	1034.498	3.67%	43.93%
19.0	2660.225	94.706	1129.205	3.69%	47.95%
20.0	2524.539	94.896	1224.1	3.70%	51.98%
21.0	2383.388	94.242	1318.342	3.68%	55.98%
22.0	2232.480	92.758	1411.1	3.62%	59.92%
23.0	2079.566	90.478	1501.578	3.53%	63.76%
24.0	1921.600	87.480	1589.058	3.41%	67.48%
25.0	1756.370	83.629	1672.687	3.26%	71.03%
26.0	1566.036	78.426	1751.113	3.06%	74.36%
27.0	1375.198	71.958	1823.071	2.81%	77.41%
28.0	1199.519	65.186	1888.257	2.54%	80.18%
29.0	1079.361	59.622	1947.879	2.33%	82.71%
30.0	918.531	53.943	2001.822	2.10%	85.00%
31.0	767.803	46.928	2048.75	1.83%	87.00%
32.0	626.402	39.942	2088.692	1.56%	88.69%
33.0	511.799	33.532	2122.224	1.31%	90.12%
34.0	418.888	28.165	2150.39	1.10%	91.31%
35.0	332.184	23.326	2173.715	0.91%	92.30%
36.0	272.900	19.266	2192.981	0.75%	93.12%
37.0	232.790	16.493	2209.474	0.64%	93.82%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	182.224	13.853	2223.327	0.54%	94.41%
39.0	131.555	10.710	2234.037	0.42%	94.86%
40.0	106.203	8.292	2242.329	0.32%	95.22%
41.0	87.486	6.897	2249.226	0.27%	95.51%
42.0	73.586	5.852	2255.078	0.23%	95.76%
43.0	63.497	5.078	2260.156	0.20%	95.97%
44.0	55.976	4.509	2264.665	0.18%	96.16%
45.0	50.143	4.078	2268.744	0.16%	96.34%
46.0	45.570	3.743	2272.487	0.15%	96.50%
47.0	41.688	3.470	2275.957	0.14%	96.64%
48.0	38.575	3.245	2279.202	0.13%	96.78%
49.0	35.731	3.051	2282.253	0.12%	96.91%
50.0	33.475	2.885	2285.139	0.11%	97.03%
51.0	31.406	2.745	2287.884	0.11%	97.15%
52.0	29.704	2.622	2290.506	0.10%	97.26%
53.0	28.127	2.516	2293.022	0.10%	97.37%
54.0	26.881	2.425	2295.446	0.09%	97.47%
55.0	25.767	2.350	2297.796	0.09%	97.57%
56.0	24.681	2.280	2300.076	0.09%	97.67%
57.0	23.781	2.216	2302.292	0.09%	97.76%
58.0	22.958	2.161	2304.453	0.08%	97.85%
59.0	22.238	2.113	2306.566	0.08%	97.94%
60.0	21.539	2.068	2308.634	0.08%	98.03%
61.0	20.931	2.027	2310.661	0.08%	98.12%
62.0	20.349	1.989	2312.65	0.08%	98.20%
63.0	19.824	1.954	2314.604	0.08%	98.28%
64.0	19.318	1.921	2316.525	0.07%	98.37%
65.0	18.799	1.886	2318.411	0.07%	98.45%
66.0	18.357	1.854	2320.265	0.07%	98.52%
67.0	17.928	1.824	2322.089	0.07%	98.60%
68.0	17.492	1.794	2323.884	0.07%	98.68%
69.0	17.070	1.763	2325.647	0.07%	98.75%
70.0	16.641	1.731	2327.378	0.07%	98.83%
71.0	16.239	1.699	2329.077	0.07%	98.90%
72.0	15.824	1.667	2330.745	0.07%	98.97%
73.0	15.451	1.635	2332.38	0.06%	99.04%
74.0	15.056	1.604	2333.984	0.06%	99.11%
75.0	14.641	1.569	2335.553	0.06%	99.17%

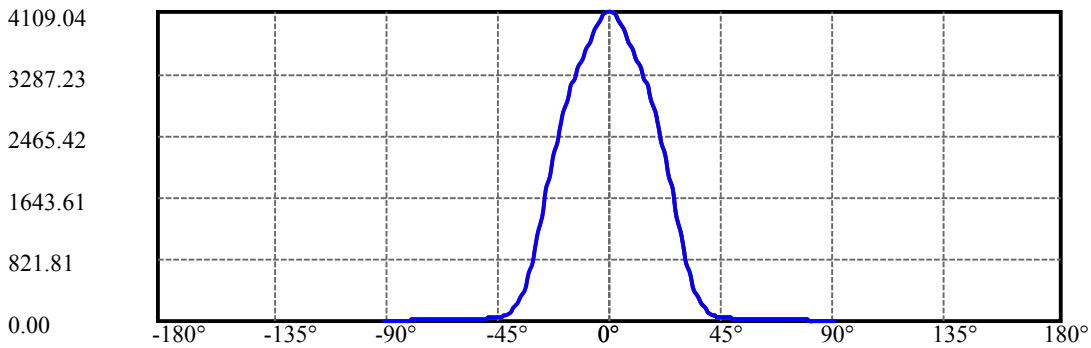
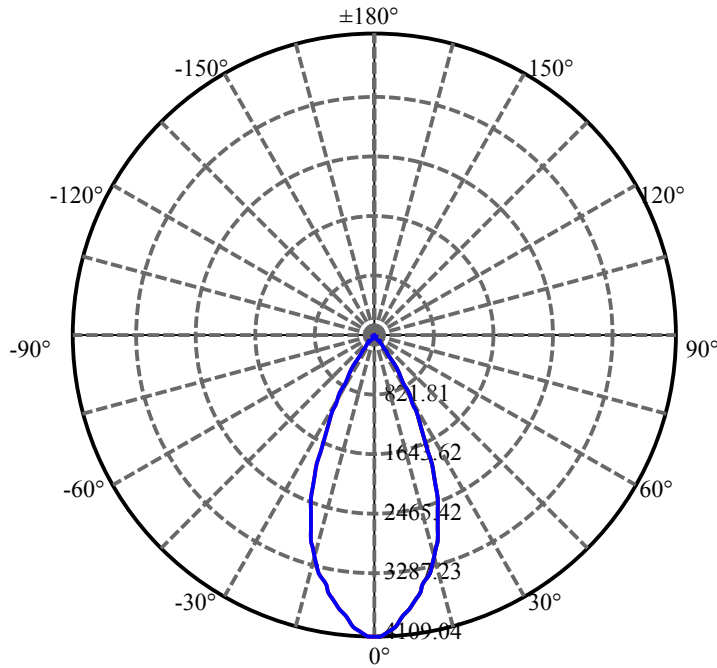
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.254	1.534	2337.087	0.06%	99.24%
77.0	13.845	1.498	2338.585	0.06%	99.30%
78.0	13.472	1.462	2340.047	0.06%	99.36%
79.0	13.084	1.427	2341.474	0.06%	99.43%
80.0	12.704	1.390	2342.864	0.05%	99.48%
81.0	12.344	1.355	2344.219	0.05%	99.54%
82.0	11.991	1.320	2345.538	0.05%	99.60%
83.0	11.645	1.285	2346.823	0.05%	99.65%
84.0	11.341	1.252	2348.076	0.05%	99.71%
85.0	11.050	1.222	2349.298	0.05%	99.76%
86.0	10.766	1.193	2350.49	0.05%	99.81%
87.0	10.510	1.164	2351.655	0.05%	99.86%
88.0	10.303	1.140	2352.795	0.04%	99.91%
89.0	10.061	1.116	2353.911	0.04%	99.95%
90.0	9.977	1.099	2355.009	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2001.82	78.10%	85.00%
0-40	2242.33	87.48%	95.22%
0-60	2308.63	90.07%	98.03%
0-90	2353.91	91.83%	99.95%
0-120	2353.91	91.83%	99.95%
0-180	2355.01	91.88%	100.00%
60-90	45.28	1.77%	1.92%
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%
0-27.93	1884.01	73.50%	80.00%

ZONAL LUMEN SUMMARY

0-10	361.79
10-20	862.31
20-30	777.72
30-40	240.51
40-50	42.81
50-60	23.50
60-70	18.74
70-80	15.49
80-90	11.05
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



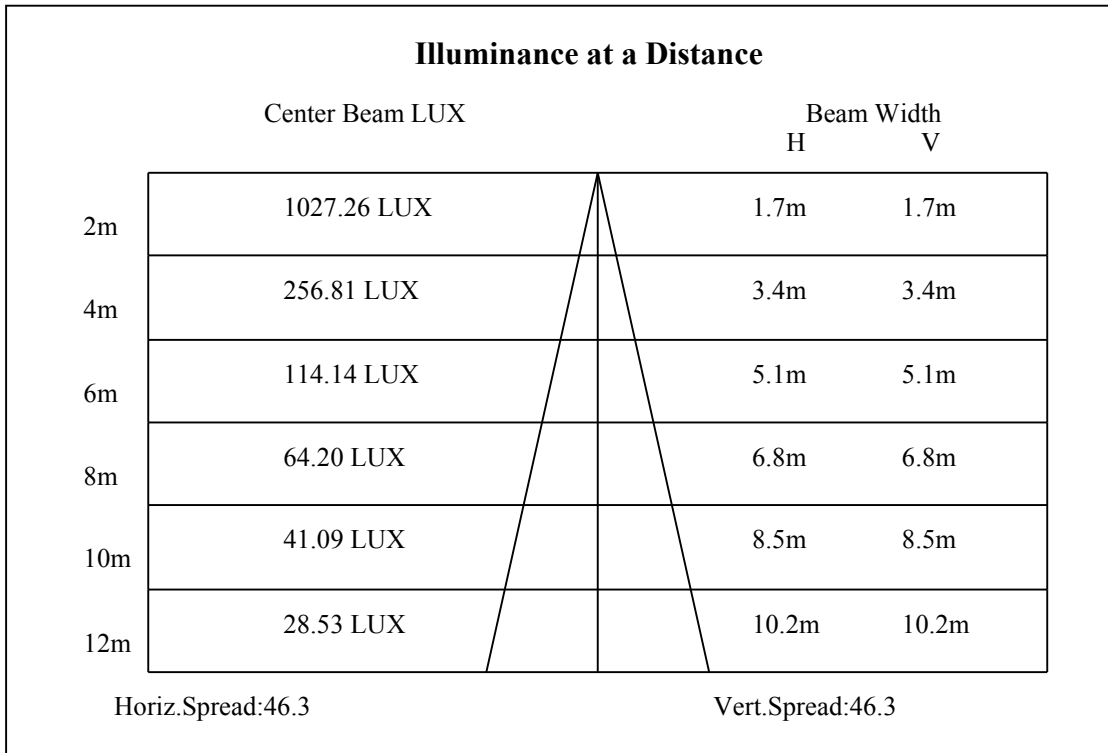
C0(Max): —————

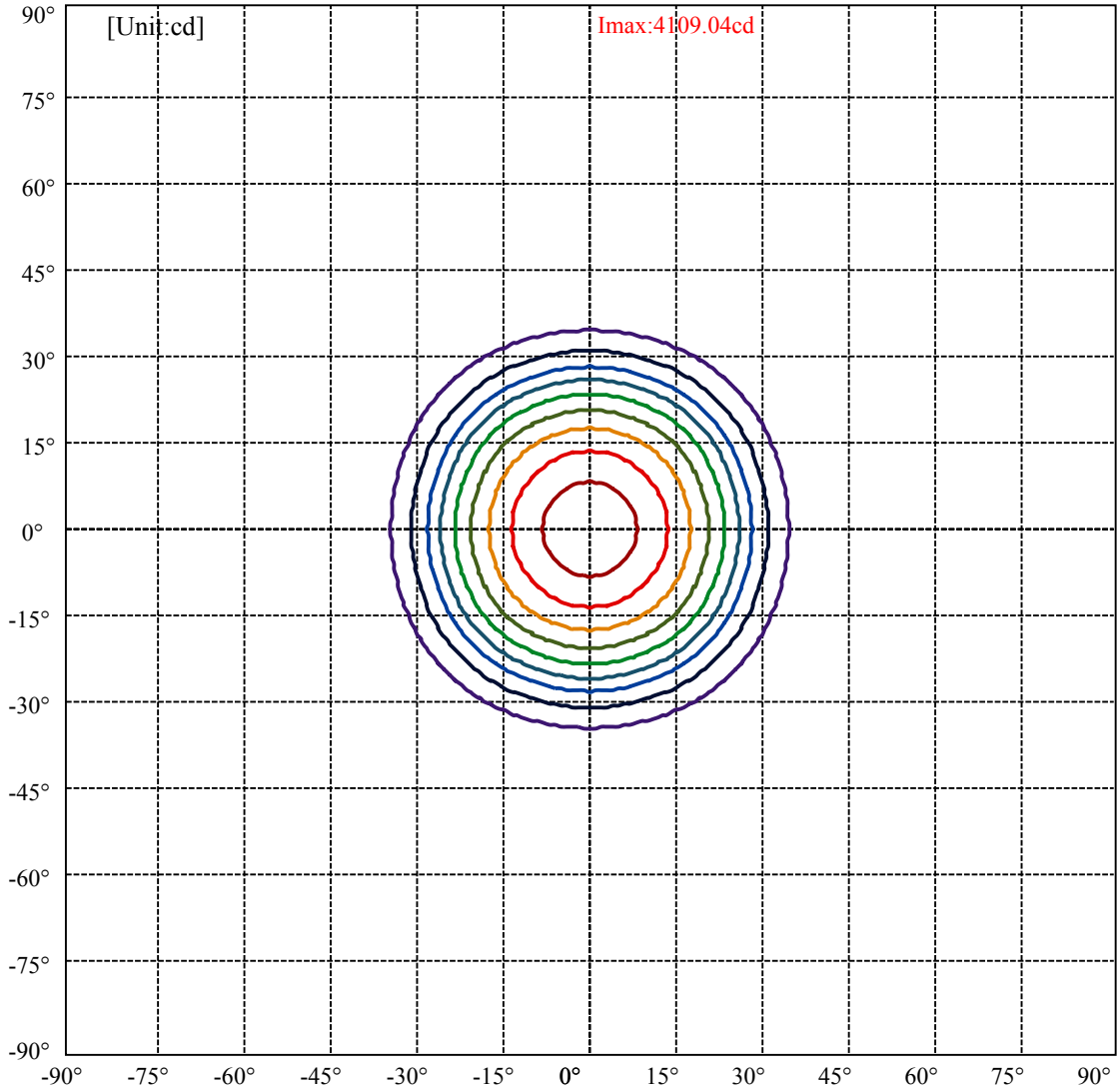
C0/C180: —————

C90/C270: —————

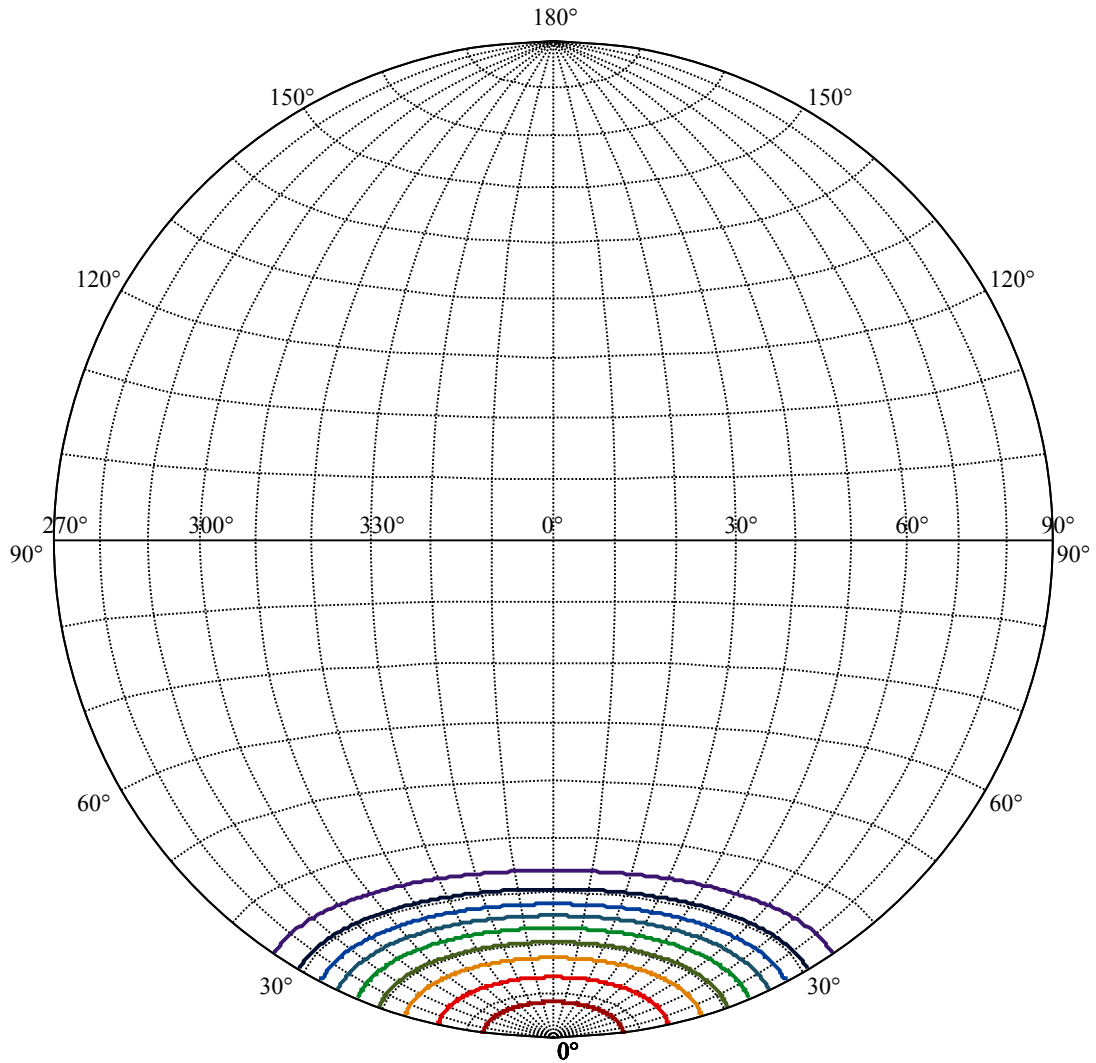
Field angle(10%Imax):C0/180Left:34.1 Right:34.1
:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:23.2 Right:23.2
:C90/270Left:23.2 Right:23.2





(10%Imax)	410.904	—
(20%Imax)	821.807	—
(30%Imax)	1232.71	—
(40%Imax)	1643.61	—
(50%Imax)	2054.52	—
(60%Imax)	2465.42	—
(70%Imax)	2876.33	—
(80%Imax)	3287.23	—
(90%Imax)	3698.13	—



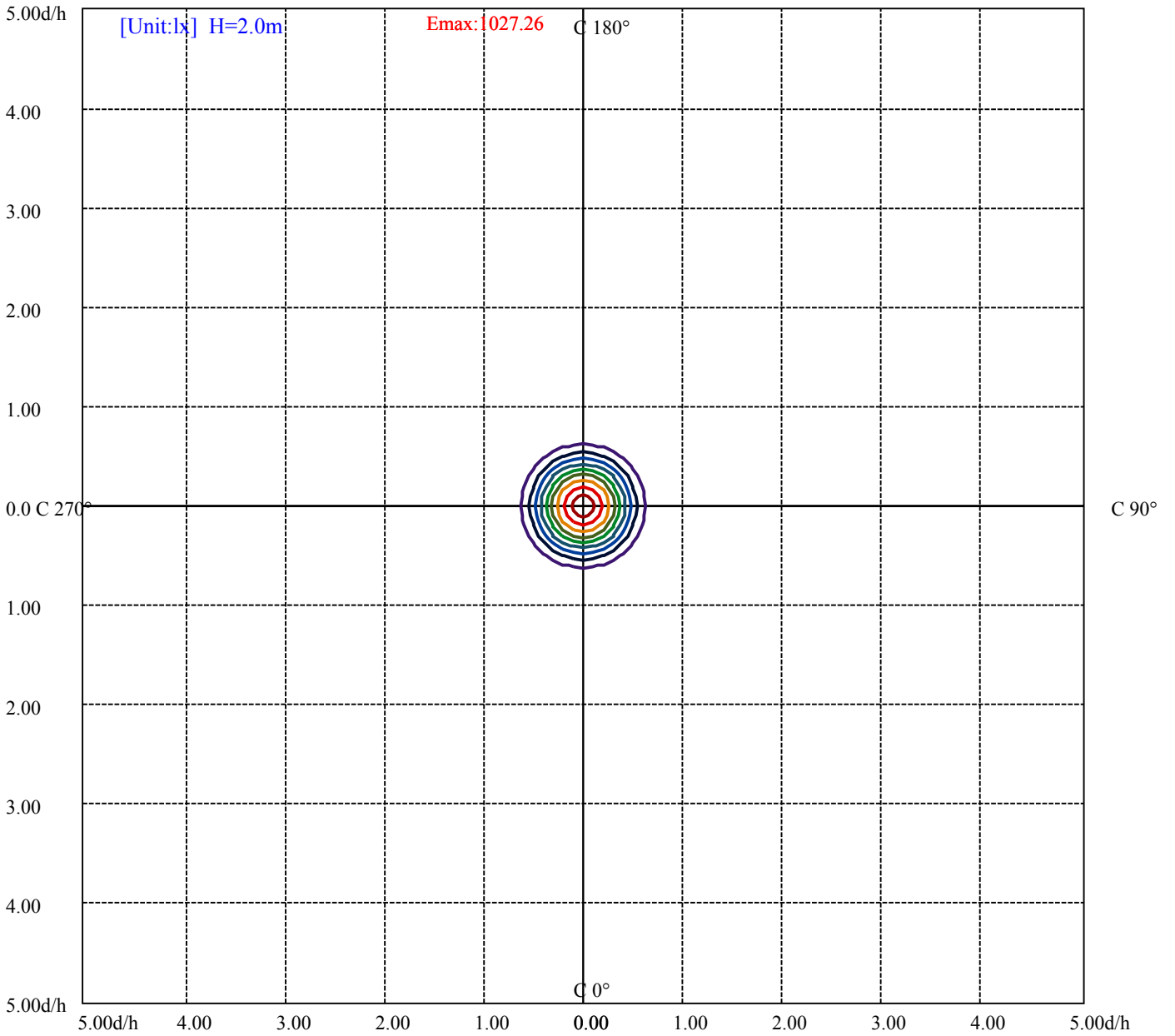
House

[Unit:cd]

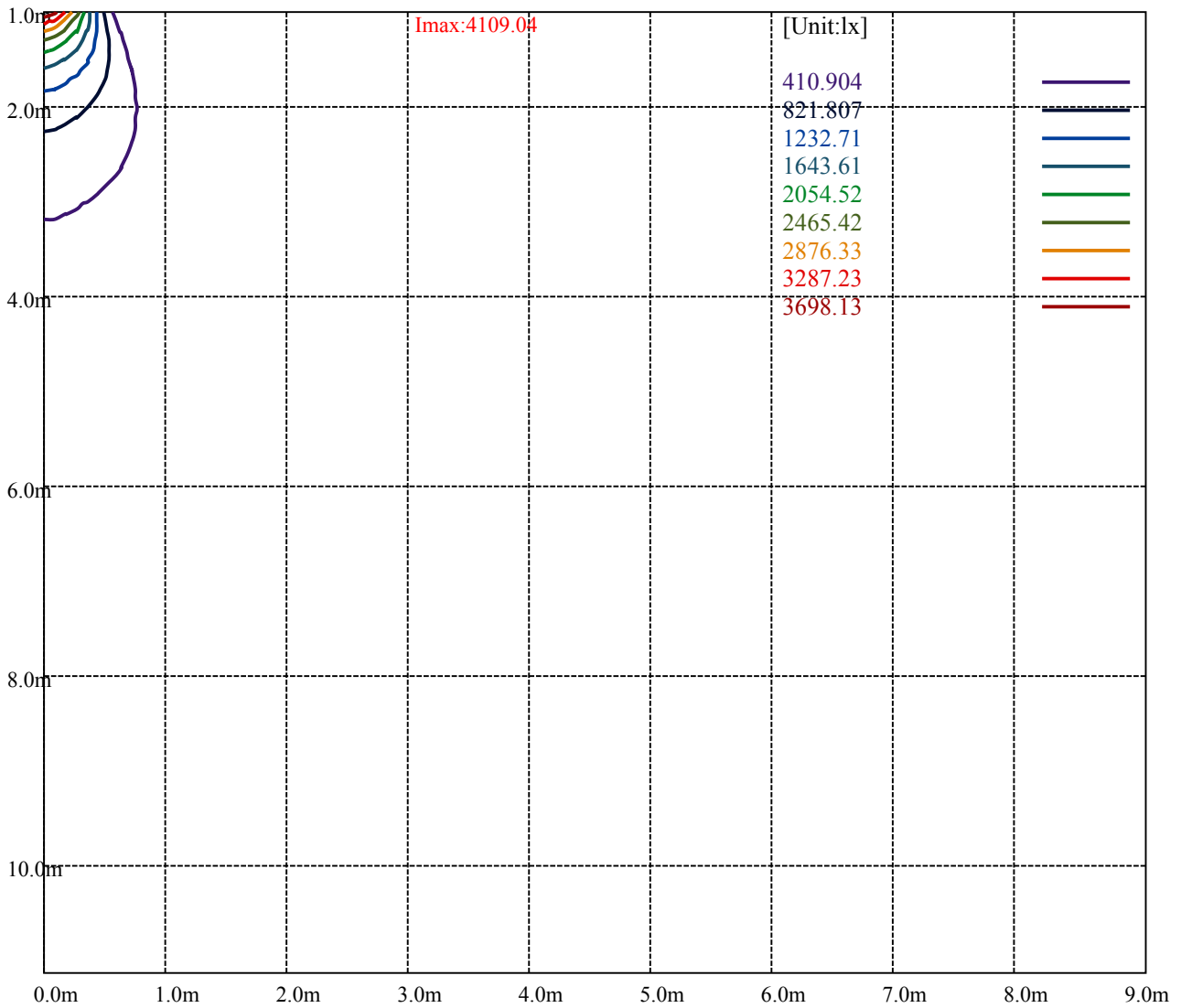
Road

Imax:4109.04

(10%Imax)	410.904	—
(20%Imax)	821.807	—
(30%Imax)	1232.71	—
(40%Imax)	1643.61	—
(50%Imax)	2054.52	—
(60%Imax)	2465.42	—
(70%Imax)	2876.33	—
(80%Imax)	3287.23	—
(90%Imax)	3698.13	—



- (10%Emax) 102.726
- (20%Emax) 205.4518
- (30%Emax) 308.1775
- (40%Emax) 410.9025
- (50%Emax) 513.63
- (60%Emax) 616.355
- (70%Emax) 719.08
- (80%Emax) 821.8075
- (90%Emax) 924.5325



Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

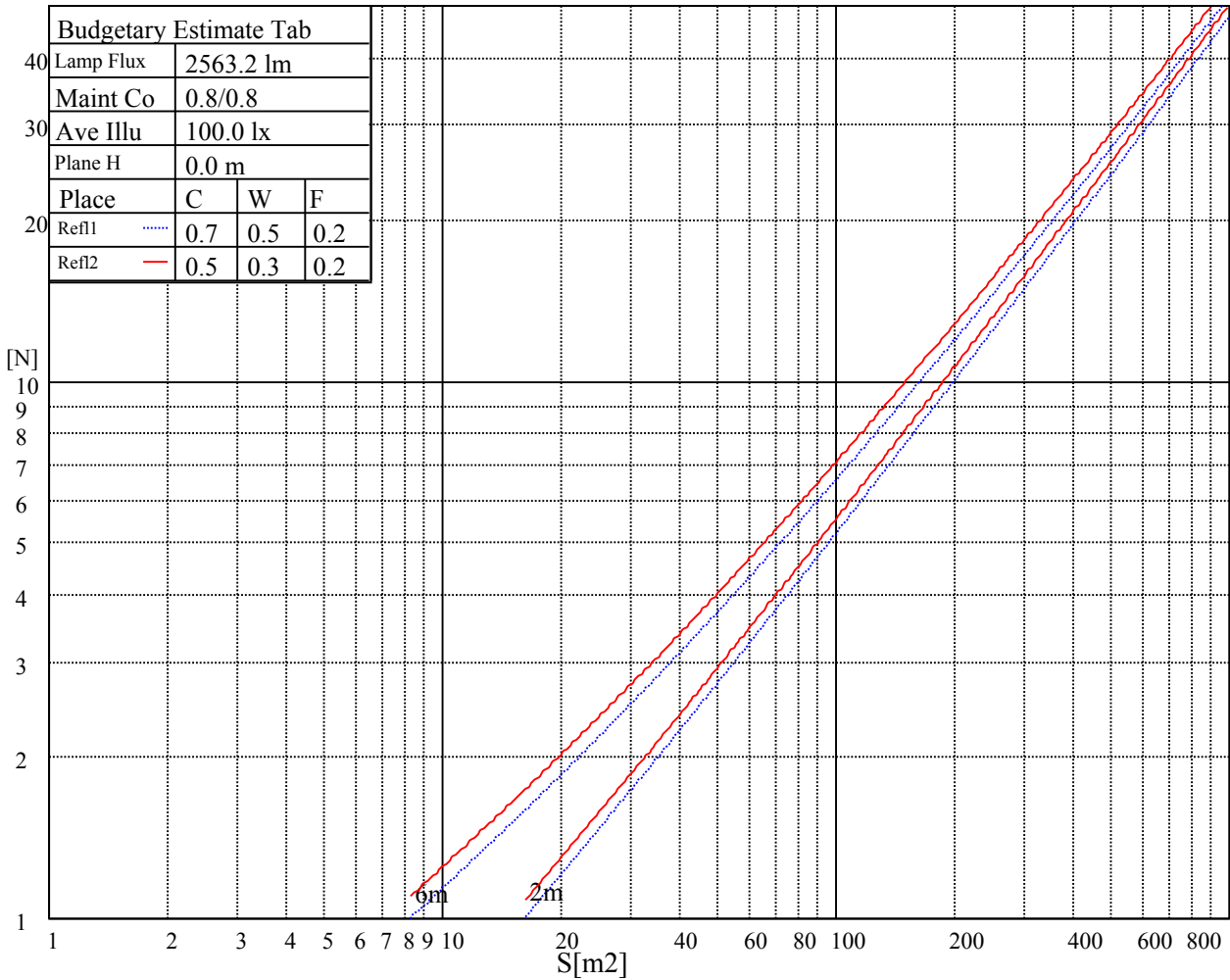
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

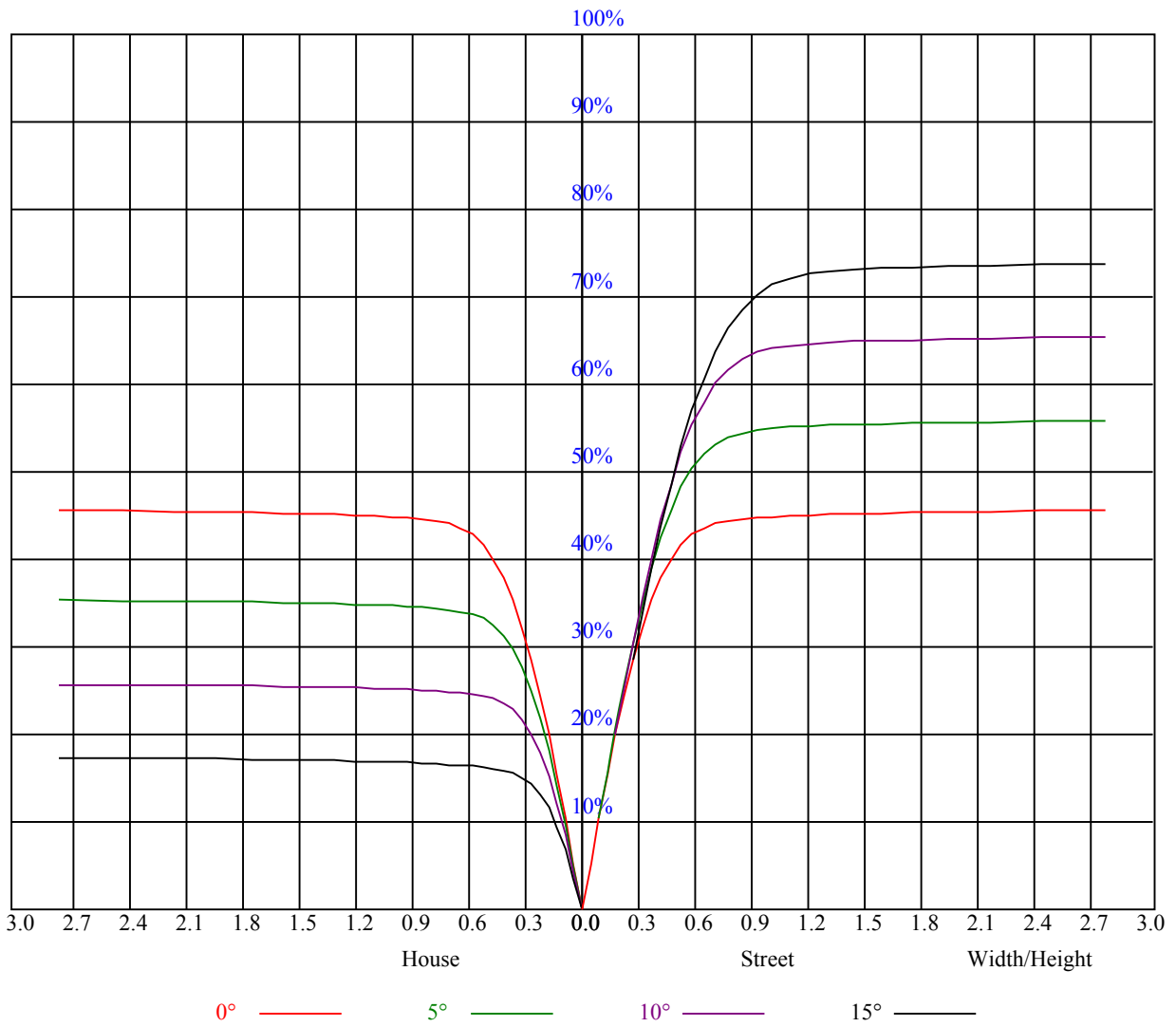


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字		
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.86
2	0.96	0.92	0.89	0.94	0.91	0.88	0.91	0.89	0.86	0.88	0.86	0.84	0.86	0.84	0.83	0.81
3	0.90	0.86	0.82	0.89	0.85	0.82	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.74	0.72
5	0.80	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.71	0.68	0.76	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.61	0.57	0.55	0.53



Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4094.51	4078.45	4020.33	3957.78	3878.63	3799.47	3739.14	3677.69	3591.34
45.0	4121.63	4108.34	4086.20	4031.96	3970.51	3912.95	3844.31	3759.62	3704.26
90.0	4101.70	4065.72	4025.87	3966.64	3912.95	3832.68	3758.51	3692.64	3640.05
135.0	4118.31	4098.93	4062.40	4025.87	3960.55	3894.68	3835.45	3747.44	3689.32
180.0	4094.51	4127.16	4121.08	4084.54	4055.20	3989.89	3924.02	3868.66	3799.47
225.0	4121.63	4111.11	4077.35	4051.88	3986.57	3931.77	3859.25	3787.85	3723.08
270.0	4101.70	4126.61	4112.77	4092.29	4059.63	4003.73	3941.73	3876.41	3798.36
315.0	4118.31	4103.36	4077.90	4036.38	3982.14	3930.66	3838.77	3771.24	3705.37
360.0	4094.51	4078.45	4020.33	3957.78	3878.63	3799.47	3739.14	3677.69	3591.34
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3523.81	3451.30	3373.25	3272.50	3185.60	3096.48	2991.31	2859.57	2742.22
45.0	3641.16	3570.86	3473.99	3398.16	3322.32	3216.60	3134.67	3024.52	2925.99
90.0	3562.56	3476.21	3382.66	3315.13	3238.74	3125.82	3033.93	2937.06	2816.94
135.0	3625.66	3562.00	3483.40	3408.12	3338.38	3257.56	3172.87	3045.56	2927.65
180.0	3710.91	3658.32	3584.15	3506.65	3412.55	3341.70	3245.38	3163.46	3064.93
225.0	3648.36	3555.92	3480.63	3403.69	3339.48	3226.01	3131.35	3033.38	2937.62
270.0	3703.16	3636.73	3557.02	3465.14	3384.87	3305.72	3216.04	3105.89	3005.70
315.0	3614.04	3538.76	3472.33	3402.59	3333.39	3224.35	3129.14	3006.81	2902.19
360.0	3523.81	3451.30	3373.25	3272.50	3185.60	3096.48	2991.31	2859.57	2742.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2582.80	2454.38	2318.21	2140.52	1984.43	1824.45	1663.93	1471.85	1086.70
45.0	2807.53	2694.06	2543.50	2412.31	2282.23	2148.27	1961.18	1806.74	1647.32
90.0	2671.36	2541.84	2412.86	2277.25	2100.67	1951.77	1801.21	1609.13	1445.84
135.0	2781.52	2658.63	2489.80	2348.65	2210.27	2064.69	1882.58	1730.91	1576.47
180.0	2917.13	2798.68	2685.20	2554.02	2385.74	2246.25	2103.44	1963.95	1771.87
225.0	2801.45	2687.42	2570.07	2405.67	2273.93	2093.47	1942.36	1791.24	1636.81
270.0	2912.15	2813.07	2669.15	2554.02	2420.61	2251.23	2117.83	1930.18	1766.89
315.0	2792.59	2633.72	2507.52	2374.67	2201.97	2056.39	1900.29	1746.96	1596.40
360.0	2582.80	2454.38	2318.21	2140.52	1984.43	1824.45	1663.93	1471.85	1086.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.70	1012.47	834.62	707.59	592.01	468.24	384.71	312.86	238.96
45.0	1481.26	1275.90	1118.14	921.64	774.95	645.42	509.25	419.58	342.64
90.0	1070.48	1070.48	914.22	768.25	609.83	499.07	406.74	329.24	252.25
135.0	1413.18	1212.80	1056.70	906.14	769.42	615.53	513.68	424.56	330.46
180.0	1613.00	1450.82	1297.49	1107.07	949.31	770.52	645.42	539.70	425.67
225.0	1435.87	1065.06	1065.06	945.11	759.23	628.37	516.84	401.70	326.92
270.0	1622.41	1428.12	1268.15	1104.86	939.35	758.90	626.05	519.22	427.33
315.0	1278.67	1080.50	1080.50	887.59	748.33	625.16	491.71	404.25	313.25
360.0	1086.70	1012.47	834.62	707.59	592.01	468.24	384.71	312.86	238.96
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	191.30	153.05	116.46	95.76	80.04	68.86	58.90	52.81	47.88
45.0	292.82	292.82	165.89	133.46	108.55	86.35	73.79	64.54	56.24
90.0	203.15	163.63	125.04	102.51	85.30	72.68	61.44	54.74	48.27
135.0	282.86	282.86	159.36	127.98	104.01	82.37	70.30	61.28	54.69
180.0	348.17	281.20	281.20	167.00	134.18	109.16	90.12	73.07	63.49
225.0	264.59	202.98	164.46	134.01	105.61	88.79	76.22	64.82	58.07
270.0	347.62	282.86	282.86	161.13	130.58	107.39	86.35	74.28	64.93
315.0	252.69	202.93	162.52	130.58	101.35	84.30	71.57	62.44	54.25
360.0	191.30	153.05	116.46	95.76	80.04	68.86	58.90	52.81	47.88

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	42.95	39.63	36.92	34.60	32.11	30.44	28.67	27.46	26.29
45.0	51.15	46.88	42.29	39.19	35.98	33.82	31.88	30.22	28.40
90.0	44.12	40.63	37.14	34.76	32.71	30.94	29.39	27.73	26.57
135.0	48.43	44.34	40.91	37.20	34.87	32.71	30.56	29.01	27.46
180.0	56.63	50.15	46.00	42.46	38.69	36.15	33.38	31.55	29.89
225.0	52.75	48.38	43.29	39.97	37.25	34.93	32.49	30.78	28.89
270.0	55.91	50.37	46.16	42.57	39.47	36.09	33.88	31.88	29.78
315.0	49.21	44.17	40.80	37.86	34.76	32.71	31.00	29.01	27.73
360.0	42.95	39.63	36.92	34.60	32.11	30.44	28.67	27.46	26.29
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.08	24.19	23.36	22.64	21.86	21.26	20.70	20.20	19.54
45.0	27.23	26.07	25.08	24.02	23.25	22.47	21.64	21.03	20.54
90.0	25.52	24.58	23.53	22.75	21.92	21.31	20.76	20.09	19.71
135.0	26.24	25.24	24.30	23.36	22.69	22.09	21.42	20.76	20.26
180.0	28.51	26.96	25.91	24.91	24.02	23.08	22.42	21.75	21.03
225.0	27.57	26.46	25.19	24.30	23.47	22.69	21.86	21.31	20.70
270.0	28.34	27.12	25.74	24.74	23.69	22.92	22.20	21.53	20.81
315.0	26.57	25.52	24.36	23.53	22.75	22.09	21.31	20.76	20.20
360.0	25.08	24.19	23.36	22.64	21.86	21.26	20.70	20.20	19.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.15	18.71	18.16	17.77	17.33	16.88	16.50	16.16	15.67
45.0	19.87	19.43	18.93	18.38	17.99	17.60	17.21	16.66	16.27
90.0	19.21	18.71	18.27	17.88	17.49	17.05	16.66	16.27	15.89
135.0	19.82	19.32	18.76	18.38	17.93	17.49	17.05	16.61	16.22
180.0	20.54	19.98	19.43	18.99	18.54	18.05	17.60	17.21	16.83
225.0	20.20	19.54	19.10	18.65	18.10	17.66	17.27	16.77	16.38
270.0	20.20	19.76	19.21	18.65	18.27	17.82	17.38	16.94	16.55
315.0	19.60	19.10	18.54	18.16	17.77	17.38	16.88	16.50	16.11
360.0	19.15	18.71	18.16	17.77	17.33	16.88	16.50	16.16	15.67
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.33	15.00	14.61	14.17	13.84	13.45	13.12	12.68	12.29
45.0	15.94	15.50	15.11	14.67	14.28	13.84	13.51	13.06	12.68
90.0	15.44	15.11	14.72	14.28	13.89	13.40	13.06	12.73	12.29
135.0	15.83	15.50	15.06	14.67	14.28	13.95	13.51	13.17	12.84
180.0	16.33	15.94	15.61	15.22	14.78	14.39	14.00	13.56	13.17
225.0	15.94	15.50	15.11	14.67	14.34	13.89	13.45	13.17	12.79
270.0	16.05	15.72	15.28	14.89	14.45	14.12	13.73	13.28	12.95
315.0	15.72	15.33	14.95	14.56	14.17	13.73	13.40	13.01	12.62
360.0	15.33	15.00	14.61	14.17	13.84	13.45	13.12	12.68	12.29
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.07	11.73	11.40	11.13	10.90	10.52	10.24	10.07	10.02
45.0	12.40	12.01	11.62	11.35	11.02	10.68	10.46	10.24	9.96
90.0	11.96	11.62	11.40	11.02	10.74	10.52	10.35	10.07	9.96
135.0	12.40	12.07	11.68	11.40	11.07	10.79	10.57	10.35	10.07
180.0	12.73	12.45	12.01	11.68	11.35	11.07	10.74	10.57	10.35
225.0	12.34	11.96	11.62	11.29	11.07	10.74	10.52	10.30	9.96
270.0	12.57	12.18	11.85	11.51	11.18	10.96	10.68	10.41	10.13
315.0	12.29	11.90	11.57	11.35	11.07	10.85	10.52	10.41	10.02
360.0	12.07	11.73	11.40	11.13	10.90	10.52	10.24	10.07	10.02

Intensity data(cd)

C/ γ (°)	90.0
0.0	10.02
45.0	9.91
90.0	9.96
135.0	10.02
180.0	10.02
225.0	9.96
270.0	9.96
315.0	9.96
360.0	10.02