



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 2-2642-L

Luminaire: 92.70.412.000

Report No: 20231101-B017

Ballast type: AC

Test No: 20231101-C017

Voltage(V): 35.180

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.866

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2394.08, Efficiency(%): 93.40% , Luminous Efficacy(lm/W): 150.89

Central intensity(cd): 3695.545, Maximum intensity(cd): 3695.960

Angle of maximum intensity: C=0.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=48.8

[C90/270]Total=48.8

Field angle(10%Imax): [C0/180]Total=71.8

[C90/270]Total=71.8

Maximum s/h(1/2): C0_180=0.76 C90_270=0.76

Maximum s/h(1/4): C0_180=0.75 C90_270=0.75

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.40%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.825%

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	3695.545	0.000	0	0.00%	0.00%
1.0	3695.960	3.537	3.537	0.14%	0.15%
2.0	3687.518	10.597	14.134	0.41%	0.59%
3.0	3678.108	17.616	31.75	0.69%	1.33%
4.0	3660.949	24.566	56.316	0.96%	2.35%
5.0	3632.788	31.377	87.694	1.22%	3.66%
6.0	3594.940	37.984	125.677	1.48%	5.25%
7.0	3549.550	44.346	170.023	1.73%	7.10%
8.0	3494.127	50.410	220.433	1.97%	9.21%
9.0	3426.872	56.091	276.524	2.19%	11.55%
10.0	3352.214	61.348	337.873	2.39%	14.11%
11.0	3271.329	66.183	404.055	2.58%	16.88%
12.0	3184.216	70.568	474.624	2.75%	19.82%
13.0	3086.240	74.415	549.038	2.90%	22.93%
14.0	2990.478	77.781	626.82	3.03%	26.18%
15.0	2892.364	80.762	707.582	3.15%	29.56%
16.0	2792.451	83.298	790.88	3.25%	33.03%
17.0	2693.022	85.424	876.304	3.33%	36.60%
18.0	2585.221	87.027	963.331	3.40%	40.24%
19.0	2481.364	88.148	1051.479	3.44%	43.92%
20.0	2373.493	88.857	1140.336	3.47%	47.63%
21.0	2255.936	88.894	1229.231	3.47%	51.34%
22.0	2138.033	88.299	1317.529	3.44%	55.03%
23.0	2011.481	87.068	1404.597	3.40%	58.67%
24.0	1893.785	85.383	1489.98	3.33%	62.24%
25.0	1776.781	83.461	1573.441	3.26%	65.72%
26.0	1657.633	81.070	1654.511	3.16%	69.11%
27.0	1520.702	77.759	1732.269	3.03%	72.36%
28.0	1354.800	72.802	1805.071	2.84%	75.40%
29.0	1205.145	66.975	1872.046	2.61%	78.19%
30.0	1100.630	62.255	1934.302	2.43%	80.80%
31.0	964.827	57.479	1991.781	2.24%	83.20%
32.0	825.225	51.283	2043.063	2.00%	85.34%
33.0	694.549	44.773	2087.837	1.75%	87.21%
34.0	577.082	38.483	2126.32	1.50%	88.82%
35.0	461.642	32.259	2158.579	1.26%	90.16%
36.0	360.933	26.191	2184.77	1.02%	91.26%
37.0	285.798	21.093	2205.863	0.82%	92.14%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	238.014	17.484	2223.347	0.68%	92.87%
39.0	191.952	14.676	2238.023	0.57%	93.48%
40.0	134.537	11.387	2249.409	0.44%	93.96%
41.0	115.772	8.913	2258.323	0.35%	94.33%
42.0	102.709	7.938	2266.26	0.31%	94.66%
43.0	91.479	7.193	2273.454	0.28%	94.96%
44.0	81.813	6.540	2279.994	0.26%	95.23%
45.0	74.015	5.989	2285.983	0.23%	95.48%
46.0	67.151	5.521	2291.504	0.22%	95.72%
47.0	61.519	5.118	2296.621	0.20%	95.93%
48.0	55.900	4.747	2301.368	0.19%	96.13%
49.0	51.306	4.402	2305.77	0.17%	96.31%
50.0	47.839	4.134	2309.904	0.16%	96.48%
51.0	44.553	3.909	2313.813	0.15%	96.65%
52.0	41.723	3.702	2317.515	0.14%	96.80%
53.0	39.287	3.524	2321.039	0.14%	96.95%
54.0	37.018	3.363	2324.402	0.13%	97.09%
55.0	35.087	3.219	2327.621	0.13%	97.22%
56.0	33.351	3.093	2330.713	0.12%	97.35%
57.0	31.759	2.977	2333.69	0.12%	97.48%
58.0	30.320	2.871	2336.561	0.11%	97.60%
59.0	29.012	2.774	2339.335	0.11%	97.71%
60.0	27.684	2.679	2342.013	0.10%	97.83%
61.0	26.604	2.591	2344.604	0.10%	97.93%
62.0	25.580	2.515	2347.119	0.10%	98.04%
63.0	24.570	2.439	2349.558	0.10%	98.14%
64.0	23.650	2.366	2351.924	0.09%	98.24%
65.0	22.785	2.298	2354.222	0.09%	98.34%
66.0	22.003	2.235	2356.457	0.09%	98.43%
67.0	21.270	2.176	2358.632	0.08%	98.52%
68.0	20.446	2.113	2360.746	0.08%	98.61%
69.0	19.810	2.054	2362.799	0.08%	98.69%
70.0	19.104	1.999	2364.798	0.08%	98.78%
71.0	18.495	1.943	2366.741	0.08%	98.86%
72.0	17.824	1.888	2368.63	0.07%	98.94%
73.0	17.222	1.833	2370.462	0.07%	99.01%
74.0	16.648	1.781	2372.243	0.07%	99.09%
75.0	16.053	1.728	2373.971	0.07%	99.16%

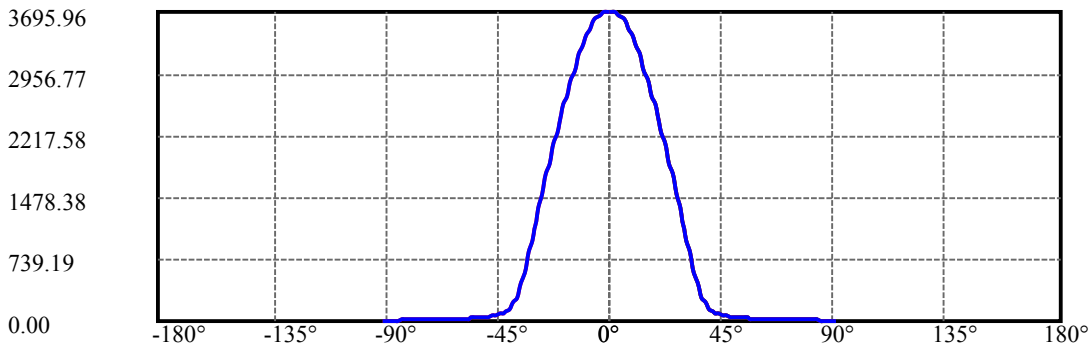
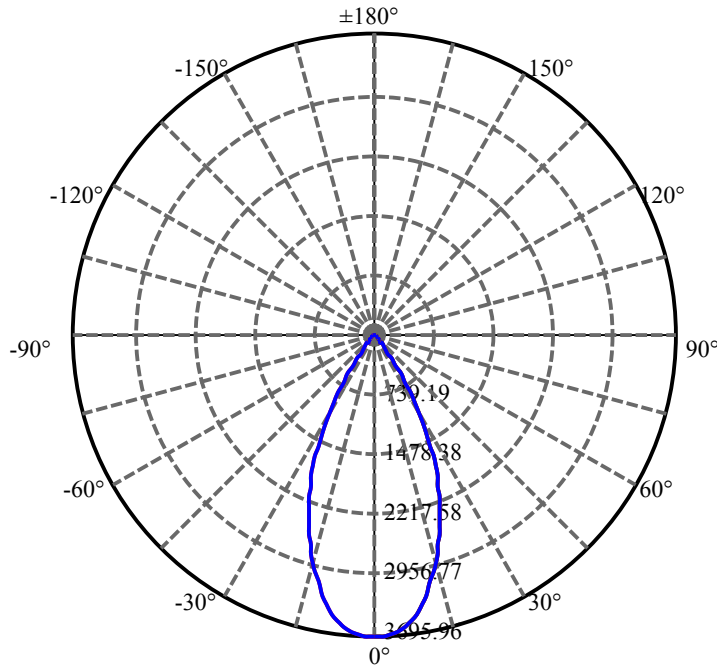
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.492	1.675	2375.645	0.07%	99.23%
77.0	14.897	1.620	2377.265	0.06%	99.30%
78.0	14.371	1.567	2378.832	0.06%	99.36%
79.0	13.797	1.513	2380.346	0.06%	99.43%
80.0	13.319	1.462	2381.807	0.06%	99.49%
81.0	12.759	1.410	2383.218	0.06%	99.55%
82.0	12.282	1.358	2384.576	0.05%	99.60%
83.0	11.832	1.311	2385.886	0.05%	99.66%
84.0	11.444	1.268	2387.154	0.05%	99.71%
85.0	11.119	1.231	2388.386	0.05%	99.76%
86.0	10.780	1.197	2389.583	0.05%	99.81%
87.0	10.490	1.164	2390.747	0.05%	99.86%
88.0	10.247	1.136	2391.883	0.04%	99.91%
89.0	9.971	1.108	2392.991	0.04%	99.95%
90.0	9.874	1.088	2394.079	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1934.30	75.46%	80.80%
0-40	2249.41	87.76%	93.96%
0-60	2342.01	91.37%	97.83%
0-90	2392.99	93.36%	99.95%
0-120	2392.99	93.36%	99.95%
0-180	2394.08	93.40%	100.00%
60-90	50.98	1.99%	2.13%
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%
0-29.69	1915.26	74.72%	80.00%

ZONAL LUMEN SUMMARY

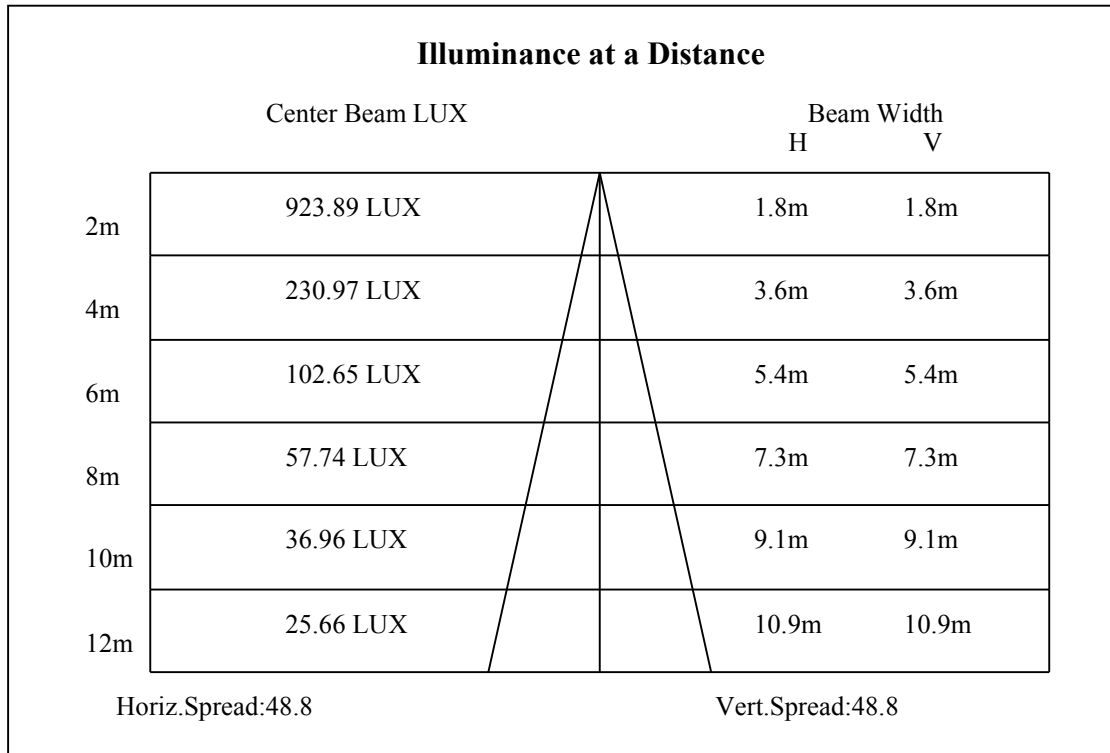
0-10	337.87
10-20	802.46
20-30	793.97
30-40	315.11
40-50	60.49
50-60	32.11
60-70	22.78
70-80	17.01
80-90	11.18
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

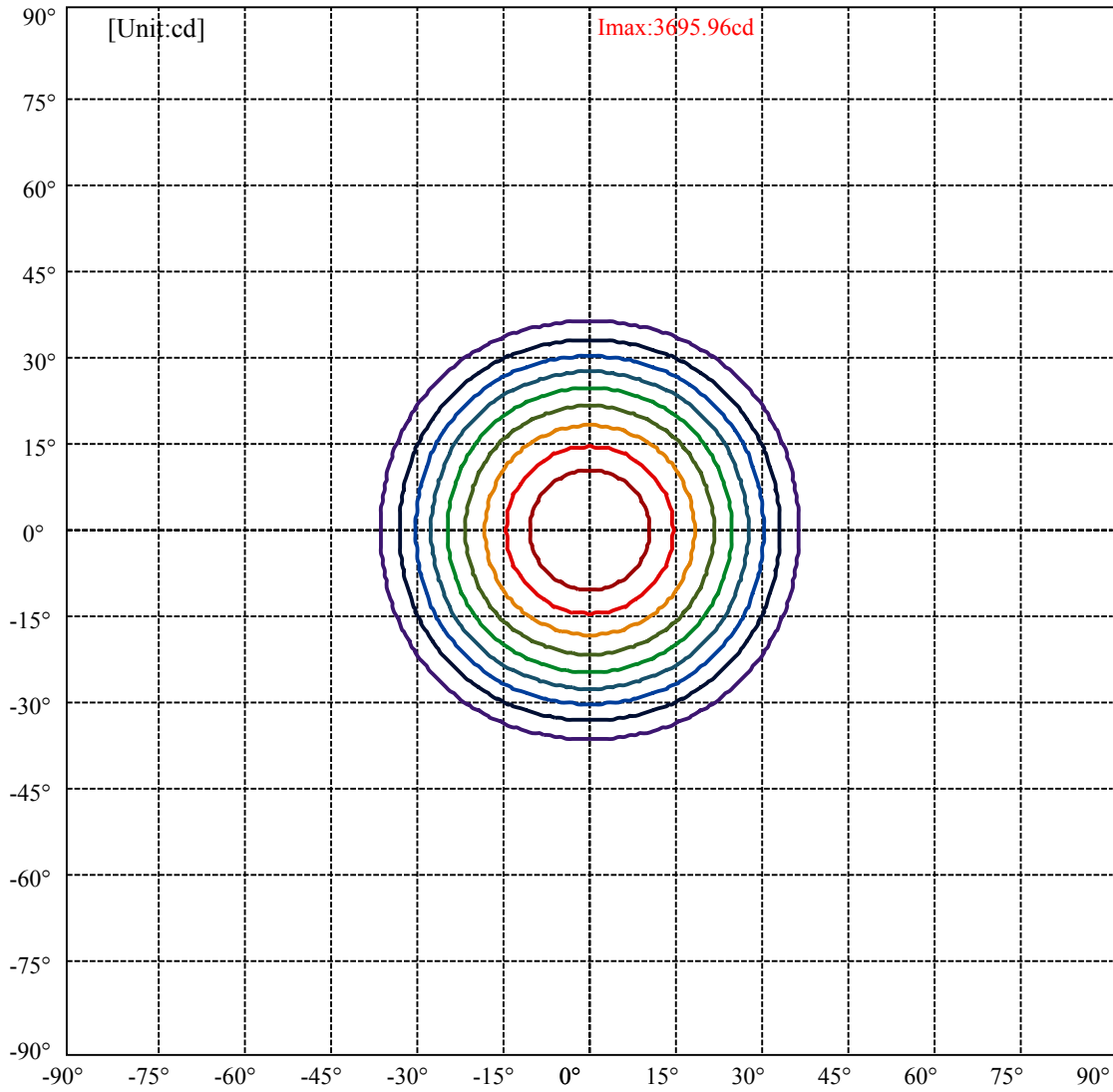


C0(Max): —————
C0/C180: —————
C90/C270: —————

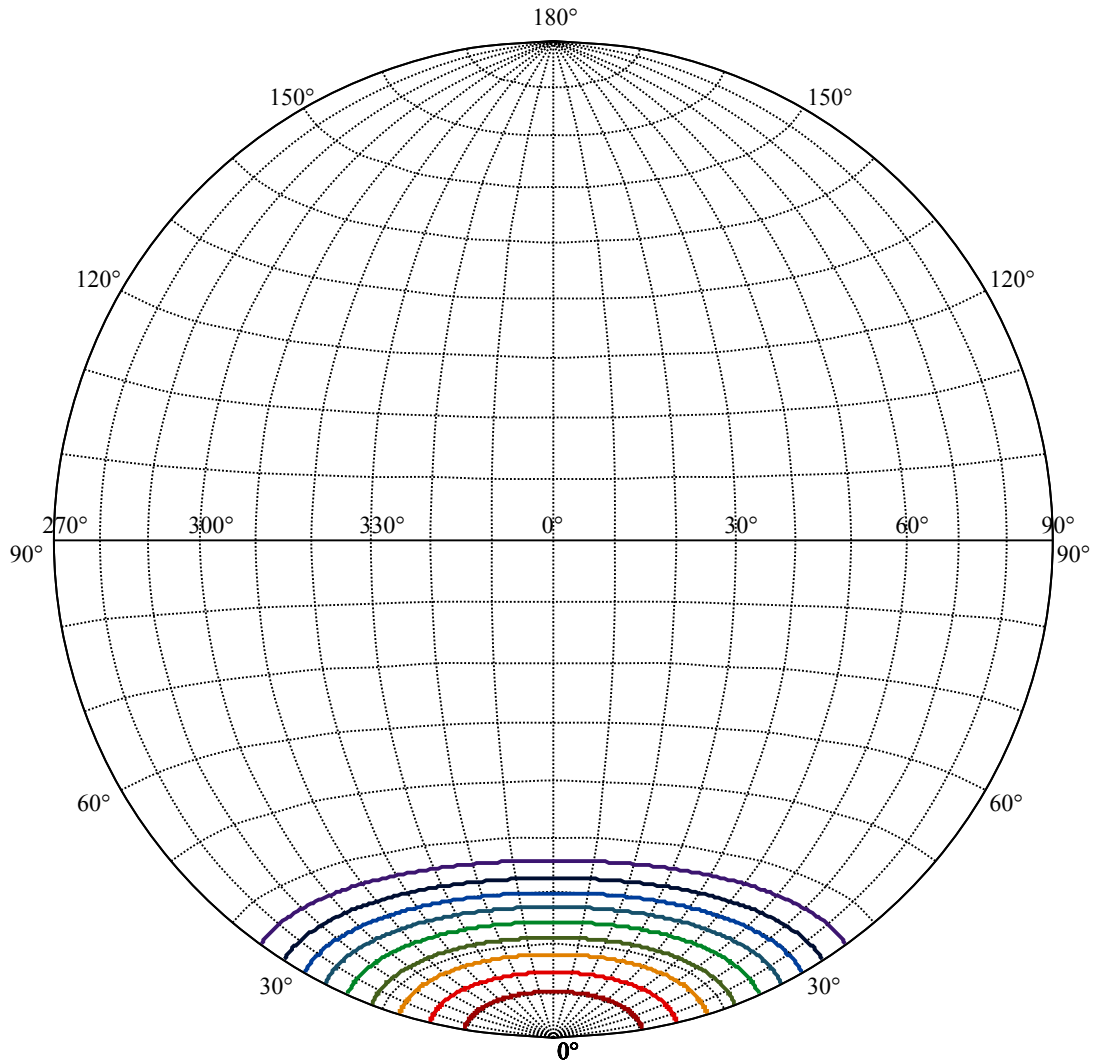
Field angle(10%Imax):C0/180Left:36.9 Right:34.9
:C90/270Left:36.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:25.4 Right:23.4
:C90/270Left:25.4 Right:23.4





(10%I _{max}) 369.596	—
(20%I _{max}) 739.192	—
(30%I _{max}) 1108.79	—
(40%I _{max}) 1478.38	—
(50%I _{max}) 1847.98	—
(60%I _{max}) 2217.58	—
(70%I _{max}) 2587.17	—
(80%I _{max}) 2956.77	—
(90%I _{max}) 3326.36	—



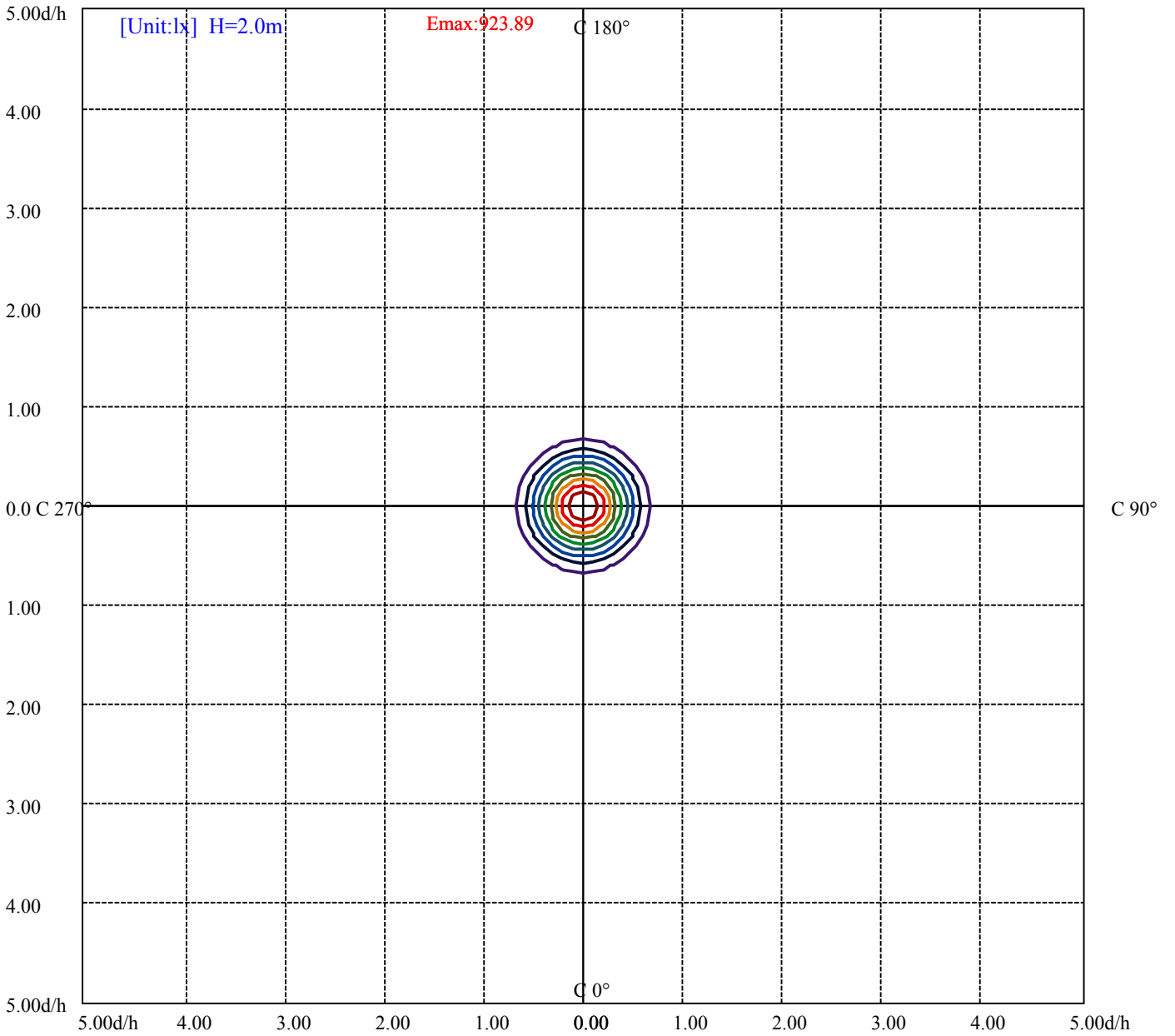
House

[Unit:cd]

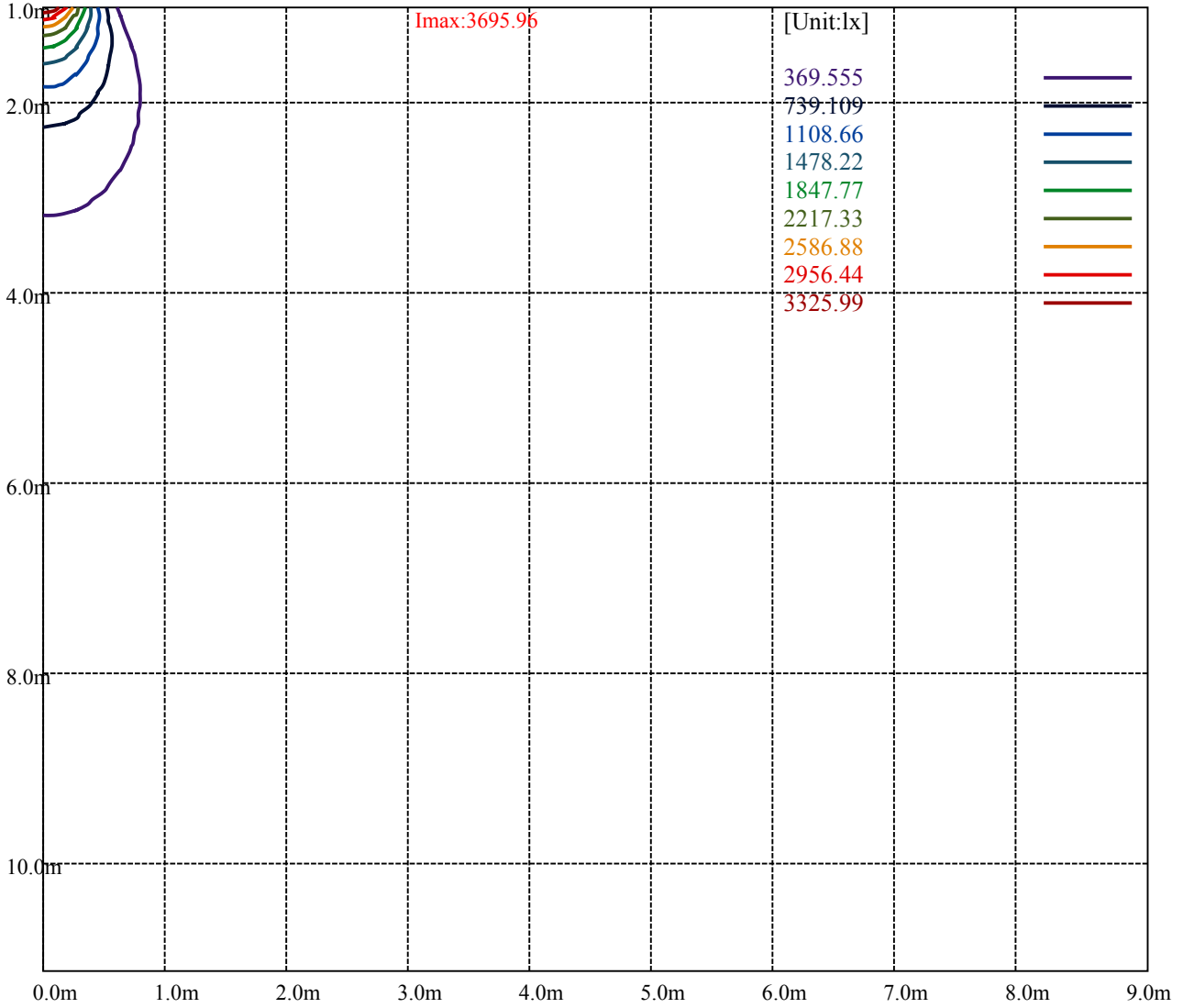
Road

Imax:3695.96

(10%Imax)	369.596	—
(20%Imax)	739.192	—
(30%Imax)	1108.79	—
(40%Imax)	1478.38	—
(50%Imax)	1847.98	—
(60%Imax)	2217.58	—
(70%Imax)	2587.17	—
(80%Imax)	2956.77	—
(90%Imax)	3326.36	—



(10%Emax) 92.38875	—
(20%Emax) 184.7773	—
(30%Emax) 277.165	—
(40%Emax) 369.555	—
(50%Emax) 461.9425	—
(60%Emax) 554.3325	—
(70%Emax) 646.72	—
(80%Emax) 739.11	—
(90%Emax) 831.4975	—



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

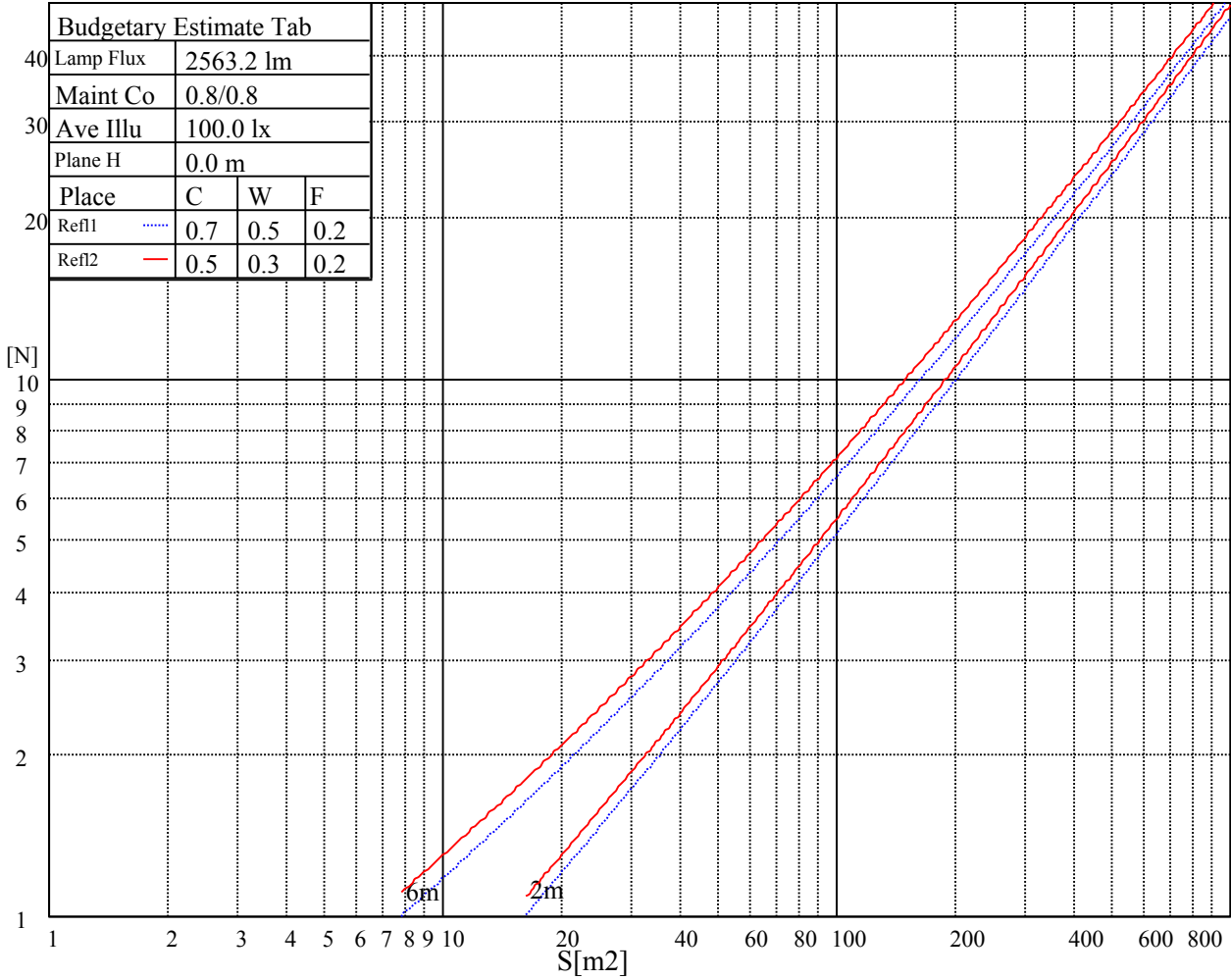
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

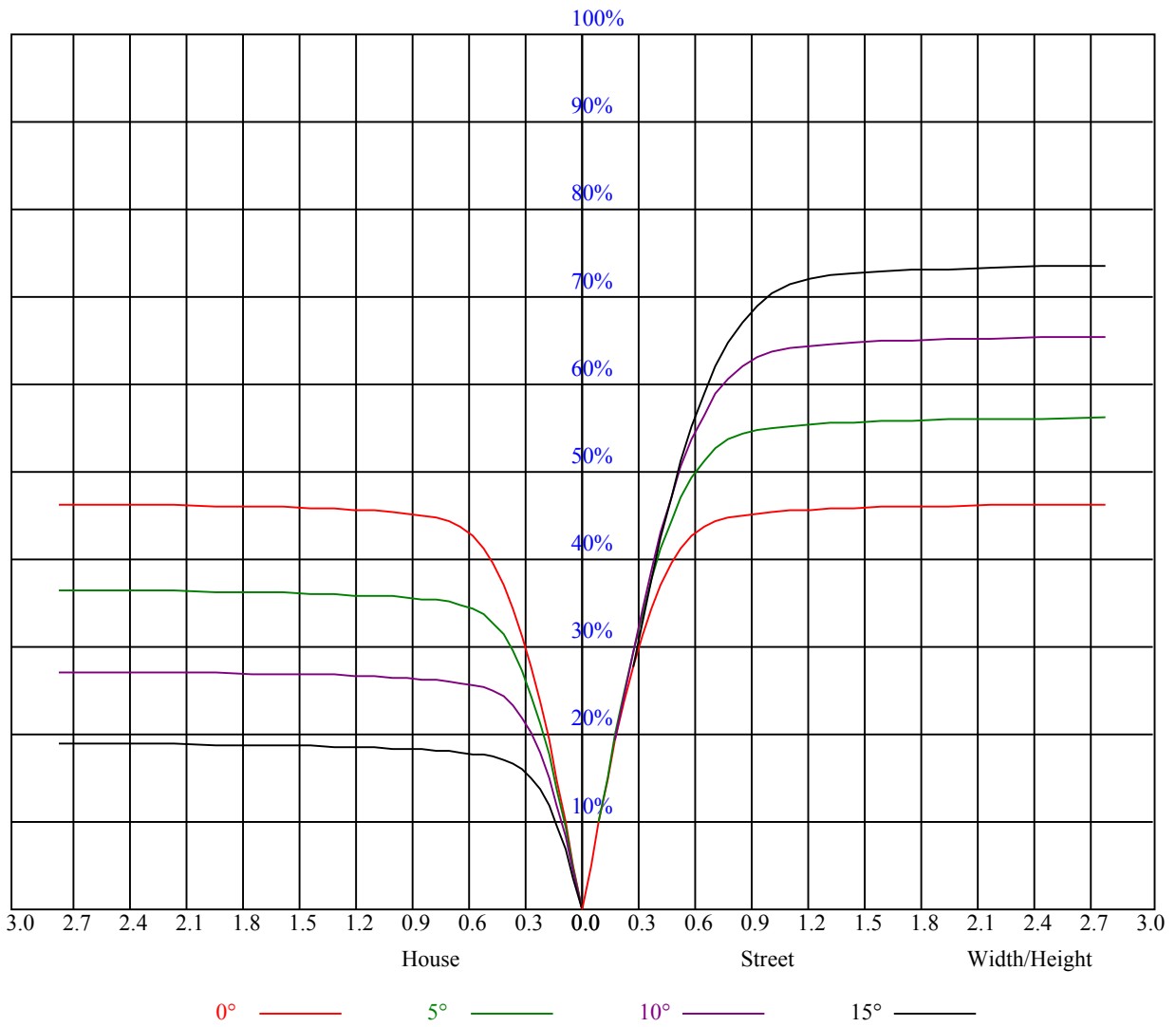


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.79	0.83	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	0.74	0.79	0.76	0.74	0.72
5	0.81	0.75	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.69	0.68
6	0.76	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.64
7	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.69	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52



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	3693.19	3699.83	3702.60	3695.41	3672.16	3628.98	3590.79	3537.10	3467.35
45.0	3702.05	3702.60	3694.30	3690.98	3668.28	3642.82	3601.31	3565.88	3500.56
90.0	3697.07	3697.07	3671.60	3646.70	3604.63	3557.02	3503.88	3440.78	3378.23
135.0	3689.87	3681.57	3670.50	3646.70	3618.46	3587.47	3550.93	3499.45	3439.12
180.0	3693.19	3696.51	3688.21	3678.25	3672.16	3656.11	3619.02	3586.36	3528.79
225.0	3702.05	3695.41	3684.89	3674.93	3663.85	3635.62	3599.64	3539.86	3490.04
270.0	3697.07	3702.05	3697.62	3702.05	3700.39	3686.00	3657.21	3629.54	3595.22
315.0	3689.87	3692.64	3690.42	3689.87	3687.66	3668.28	3636.73	3597.43	3553.70
360.0	3693.19	3699.83	3702.60	3695.41	3672.16	3628.98	3590.79	3537.10	3467.35
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3366.61	3289.11	3206.63	3114.19	3001.83	2910.49	2814.18	2685.20	2588.33
45.0	3449.08	3379.34	3284.68	3201.10	3085.96	2999.06	2896.10	2799.79	2684.10
90.0	3290.22	3222.13	3144.08	3033.38	2940.94	2836.32	2742.77	2649.22	2554.57
135.0	3368.27	3296.31	3209.96	3135.23	3041.13	2957.54	2871.74	2757.72	2662.51
180.0	3471.78	3407.01	3332.84	3235.97	3154.60	3078.77	2978.58	2896.65	2800.34
225.0	3423.62	3341.14	3264.76	3185.05	3094.27	2983.56	2888.35	2795.36	2698.49
270.0	3544.84	3473.99	3405.91	3323.43	3217.70	3126.37	3008.47	2913.26	2819.16
315.0	3500.56	3408.67	3321.77	3245.38	3153.49	3031.72	2938.72	2842.41	2736.68
360.0	3366.61	3289.11	3206.63	3114.19	3001.83	2910.49	2814.18	2685.20	2588.33
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2490.91	2360.28	2249.02	2128.35	1991.07	1878.15	1770.21	1661.72	1511.71
45.0	2593.87	2494.23	2368.58	2258.98	2149.93	2034.80	1894.20	1786.26	1681.64
90.0	2429.47	2328.73	2224.66	2113.95	1971.70	1857.11	1750.83	1618.54	1498.98
135.0	2572.84	2477.63	2358.06	2255.11	2144.95	2032.58	1889.22	1775.19	1662.82
180.0	2683.54	2597.19	2499.22	2371.90	2267.84	2148.83	2035.91	1900.84	1790.69
225.0	2577.26	2483.72	2386.85	2253.45	2139.42	1994.94	1883.13	1774.08	1670.02
270.0	2723.40	2606.05	2503.64	2403.45	2292.19	2143.29	2035.35	1921.88	1776.85
315.0	2610.48	2503.09	2397.92	2262.30	2147.17	2002.14	1891.43	1775.74	1668.36
360.0	2490.91	2360.28	2249.02	2128.35	1991.07	1878.15	1770.21	1661.72	1511.71
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1383.84	1095.06	1095.06	968.36	841.26	717.22	572.13	467.13	371.92
45.0	1534.40	1408.20	1281.44	1127.00	996.36	844.14	717.94	605.57	499.29
90.0	1371.11	1083.82	1083.82	960.61	805.95	687.60	575.79	473.22	360.08
135.0	1502.30	1370.00	1236.05	1072.20	944.89	819.79	674.76	566.27	468.84
180.0	1672.79	1551.56	1388.27	1255.97	1117.59	947.10	815.91	661.48	550.77
225.0	1521.67	1390.48	1080.34	1080.34	940.73	810.10	679.80	564.83	433.81
270.0	1666.70	1552.11	1390.48	1254.87	1116.48	948.76	811.48	683.62	541.36
315.0	1512.81	1387.16	1085.71	1085.71	955.35	827.09	708.58	594.55	467.07
360.0	1383.84	1095.06	1095.06	968.36	841.26	717.22	572.13	467.13	371.92
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	271.45	206.69	159.75	127.37	112.59	100.19	90.45	79.82	72.68
45.0	375.30	291.16	291.16	210.18	138.66	117.02	103.90	93.22	82.09
90.0	284.85	222.36	174.75	138.27	120.89	106.61	95.43	83.58	75.89
135.0	355.37	297.25	297.25	167.56	140.10	119.67	106.50	95.65	84.25
180.0	450.02	361.46	285.07	285.07	160.64	133.40	114.14	101.85	91.83
225.0	339.21	265.42	193.07	152.11	122.50	109.05	97.98	88.68	78.66
270.0	436.74	347.62	289.50	289.50	150.56	125.27	110.82	96.65	87.57
315.0	374.52	294.43	213.55	165.56	130.36	114.97	102.46	92.39	81.54
360.0	271.45	206.69	159.75	127.37	112.59	100.19	90.45	79.82	72.68

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	66.31	60.78	54.69	50.54	46.11	43.29	40.85	38.14	36.20
45.0	74.73	66.76	61.28	56.13	50.76	47.16	44.17	41.57	38.80
90.0	67.64	62.11	57.01	51.81	48.10	45.11	41.85	39.52	37.47
135.0	76.72	68.69	63.05	57.90	52.36	48.77	45.56	42.90	39.85
180.0	81.04	73.90	67.75	60.89	56.02	51.87	47.44	44.50	41.85
225.0	71.79	65.70	60.45	54.52	50.37	47.05	43.45	40.96	38.58
270.0	79.65	71.24	65.48	59.06	54.47	50.76	47.38	43.84	41.46
315.0	74.23	68.03	62.44	56.35	52.25	48.71	45.72	42.35	40.08
360.0	66.31	60.78	54.69	50.54	46.11	43.29	40.85	38.14	36.20
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.43	32.55	31.11	29.84	28.67	27.29	26.29	25.41	24.52
45.0	36.75	34.93	33.27	31.50	30.17	28.89	27.51	26.40	25.46
90.0	35.65	33.54	31.99	30.67	29.34	27.90	26.85	25.63	24.69
135.0	37.64	35.76	33.93	32.44	30.72	29.34	27.84	26.74	25.74
180.0	38.91	36.75	34.93	33.21	31.39	30.11	28.84	27.68	26.46
225.0	36.09	34.32	32.71	30.94	29.61	28.45	27.07	26.13	25.19
270.0	39.13	37.14	34.87	33.32	31.88	30.56	29.01	27.84	26.57
315.0	37.53	35.70	33.99	32.16	30.78	29.56	28.06	27.01	26.02
360.0	34.43	32.55	31.11	29.84	28.67	27.29	26.29	25.41	24.52
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.53	22.75	21.98	21.15	20.48	19.65	18.99	18.38	17.82
45.0	24.36	23.53	22.75	21.86	21.15	20.43	19.76	18.99	18.38
90.0	23.86	22.86	22.09	21.37	20.65	19.76	19.15	18.49	17.93
135.0	24.52	23.69	22.86	21.98	21.20	20.48	19.82	19.10	18.49
180.0	25.41	24.52	23.47	22.69	21.81	21.09	20.48	19.82	19.04
225.0	24.30	23.25	22.47	21.81	21.09	20.26	19.65	18.88	18.32
270.0	25.57	24.63	23.58	22.81	22.09	21.20	20.54	19.87	19.26
315.0	25.02	23.97	23.08	22.36	21.70	20.70	20.09	19.32	18.71
360.0	23.53	22.75	21.98	21.15	20.48	19.65	18.99	18.38	17.82
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.10	16.61	16.05	15.50	14.89	14.39	13.89	13.40	12.84
45.0	17.77	17.21	16.55	16.05	15.55	14.89	14.39	13.78	13.34
90.0	17.21	16.66	16.11	15.44	14.95	14.39	13.78	13.34	12.84
135.0	17.82	17.27	16.55	16.00	15.50	14.83	14.39	13.73	13.28
180.0	18.38	17.77	17.33	16.55	16.00	15.44	14.95	14.28	13.78
225.0	17.77	17.05	16.50	15.94	15.39	14.78	14.23	13.73	13.28
270.0	18.49	17.88	17.33	16.72	16.05	15.50	14.95	14.23	13.78
315.0	18.05	17.33	16.77	16.22	15.61	14.95	14.39	13.89	13.40
360.0	17.10	16.61	16.05	15.50	14.89	14.39	13.89	13.40	12.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.40	11.90	11.51	11.18	10.85	10.57	10.35	10.07	9.91
45.0	12.79	12.29	11.85	11.40	11.13	10.74	10.46	10.24	9.85
90.0	12.23	11.90	11.51	11.13	10.85	10.57	10.24	9.96	9.85
135.0	12.79	12.18	11.73	11.40	11.07	10.74	10.46	10.19	9.85
180.0	13.23	12.79	12.18	11.79	11.46	11.02	10.74	10.46	10.19
225.0	12.68	12.18	11.79	11.46	11.13	10.79	10.52	10.30	9.96
270.0	13.12	12.73	12.23	11.73	11.35	11.02	10.63	10.46	10.19
315.0	12.84	12.29	11.85	11.46	11.13	10.79	10.52	10.30	9.96
360.0	12.40	11.90	11.51	11.18	10.85	10.57	10.35	10.07	9.91

Intensity data(cd)

C/γ(°)	90.0
0.0	9.96
45.0	9.85
90.0	9.85
135.0	9.85
180.0	9.91
225.0	9.85
270.0	9.85
315.0	9.85
360.0	9.96