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NT

Client:

LumCAT: 2-2644-L

Luminaire: 92.70.412.00

Report No: 20231116-B011

Ballast type: AC

Test No: 20231116-C011

Voltage(V): 34.610

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4030.4

Power (W): 24.919

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3618.71, Efficiency(%): 89.79% , Luminous Efficacy(lm/W): 145.22

Central intensity(cd): 11935.620, Maximum intensity(cd): 11935.620

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.2

[C90/270]Total=26.2

Field angle(10%Imax): [C0/180]Total=56.4

[C90/270]Total=56.4

Maximum s/h(1/2): C0_180=0.44 C90_270=0.44

Maximum s/h(1/4): C0_180=0.48 C90_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.79%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.791%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/16
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	11935.620	0.000	0	0.00%	0.00%
1.0	11875.423	11.393	11.393	0.28%	0.31%
2.0	11608.826	33.707	45.1	0.84%	1.25%
3.0	11313.515	54.823	99.923	1.36%	2.76%
4.0	11108.568	75.054	174.977	1.86%	4.84%
5.0	10767.313	94.109	269.085	2.33%	7.44%
6.0	10330.504	110.875	379.96	2.75%	10.50%
7.0	9791.222	124.895	504.855	3.10%	13.95%
8.0	9186.414	135.819	640.675	3.37%	17.70%
9.0	8562.233	143.843	784.518	3.57%	21.68%
10.0	7912.036	149.086	933.604	3.70%	25.80%
11.0	7221.915	151.219	1084.823	3.75%	29.98%
12.0	6574.831	150.818	1235.641	3.74%	34.15%
13.0	6003.375	149.272	1384.913	3.70%	38.27%
14.0	5452.952	146.640	1531.553	3.64%	42.32%
15.0	4965.495	143.029	1674.582	3.55%	46.28%
16.0	4501.839	138.723	1813.305	3.44%	50.11%
17.0	4104.400	134.022	1947.327	3.33%	53.81%
18.0	3708.484	128.818	2076.145	3.20%	57.37%
19.0	3375.117	123.240	2199.385	3.06%	60.78%
20.0	3061.746	117.812	2317.197	2.92%	64.03%
21.0	2789.130	112.349	2429.546	2.79%	67.14%
22.0	2574.842	107.791	2537.337	2.67%	70.12%
23.0	2320.354	102.714	2640.052	2.55%	72.96%
24.0	2014.663	94.779	2734.831	2.35%	75.57%
25.0	1823.278	87.266	2822.097	2.17%	77.99%
26.0	1586.400	80.486	2902.583	2.00%	80.21%
27.0	1419.633	73.543	2976.126	1.82%	82.24%
28.0	1222.256	66.887	3043.013	1.66%	84.09%
29.0	1087.643	60.433	3103.447	1.50%	85.76%
30.0	937.808	54.687	3158.133	1.36%	87.27%
31.0	783.198	47.893	3206.026	1.19%	88.60%
32.0	645.132	40.920	3246.946	1.02%	89.73%
33.0	510.256	34.038	3280.985	0.84%	90.67%
34.0	408.004	27.789	3308.774	0.69%	91.44%
35.0	318.643	22.567	3331.341	0.56%	92.06%
36.0	273.966	18.869	3350.21	0.47%	92.58%
37.0	245.874	16.954	3367.164	0.42%	93.05%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	217.443	15.465	3382.629	0.38%	93.48%
39.0	183.380	13.681	3396.31	0.34%	93.85%
40.0	164.995	12.150	3408.46	0.30%	94.19%
41.0	148.929	11.179	3419.639	0.28%	94.50%
42.0	135.471	10.333	3429.972	0.26%	94.78%
43.0	122.664	9.562	3439.534	0.24%	95.05%
44.0	111.275	8.829	3448.363	0.22%	95.29%
45.0	102.031	8.198	3456.561	0.20%	95.52%
46.0	93.437	7.644	3464.205	0.19%	95.73%
47.0	86.179	7.144	3471.349	0.18%	95.93%
48.0	79.398	6.693	3478.042	0.17%	96.11%
49.0	74.063	6.302	3484.344	0.16%	96.29%
50.0	69.123	5.970	3490.314	0.15%	96.45%
51.0	64.729	5.663	3495.977	0.14%	96.61%
52.0	61.373	5.411	3501.388	0.13%	96.76%
53.0	58.350	5.208	3506.596	0.13%	96.90%
54.0	55.589	5.022	3511.618	0.12%	97.04%
55.0	53.306	4.861	3516.479	0.12%	97.18%
56.0	51.264	4.725	3521.204	0.12%	97.31%
57.0	49.147	4.591	3525.795	0.11%	97.43%
58.0	47.279	4.459	3530.254	0.11%	97.56%
59.0	45.418	4.334	3534.588	0.11%	97.68%
60.0	43.439	4.198	3538.786	0.10%	97.79%
61.0	41.404	4.049	3542.835	0.10%	97.90%
62.0	39.522	3.900	3546.734	0.10%	98.01%
63.0	37.827	3.762	3550.496	0.09%	98.12%
64.0	36.194	3.632	3554.128	0.09%	98.22%
65.0	34.797	3.513	3557.642	0.09%	98.31%
66.0	33.537	3.409	3561.051	0.08%	98.41%
67.0	32.091	3.300	3564.351	0.08%	98.50%
68.0	30.950	3.193	3567.545	0.08%	98.59%
69.0	29.877	3.103	3570.648	0.08%	98.67%
70.0	28.805	3.014	3573.661	0.07%	98.76%
71.0	27.739	2.922	3576.584	0.07%	98.84%
72.0	26.757	2.834	3579.418	0.07%	98.91%
73.0	25.857	2.751	3582.169	0.07%	98.99%
74.0	25.020	2.675	3584.844	0.07%	99.06%
75.0	24.245	2.603	3587.446	0.06%	99.14%

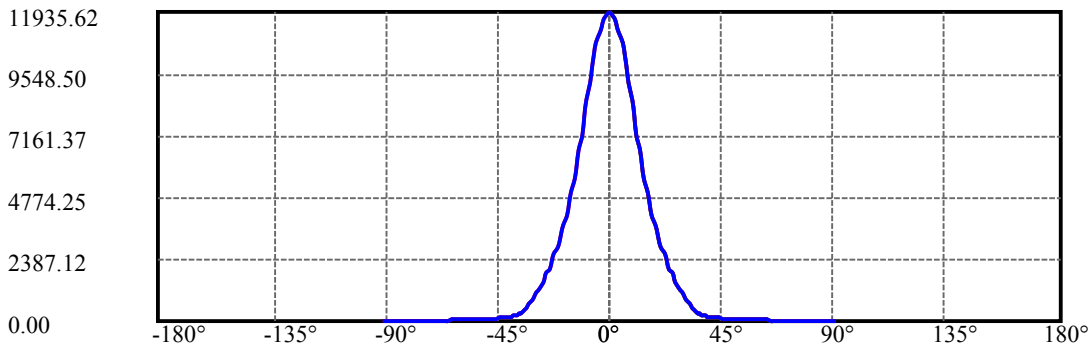
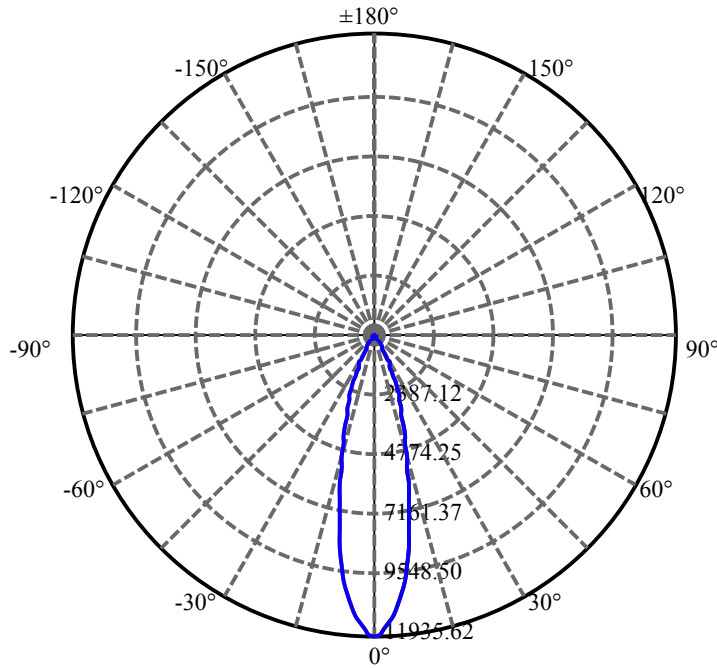
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.498	2.534	3589.981	0.06%	99.21%
77.0	22.806	2.469	3592.45	0.06%	99.27%
78.0	22.148	2.406	3594.856	0.06%	99.34%
79.0	21.394	2.340	3597.195	0.06%	99.41%
80.0	20.716	2.270	3599.466	0.06%	99.47%
81.0	20.080	2.206	3601.672	0.05%	99.53%
82.0	19.443	2.143	3603.815	0.05%	99.59%
83.0	18.786	2.078	3605.893	0.05%	99.65%
84.0	18.156	2.013	3607.906	0.05%	99.70%
85.0	17.533	1.948	3609.854	0.05%	99.76%
86.0	16.772	1.875	3611.729	0.05%	99.81%
87.0	16.232	1.806	3613.535	0.04%	99.86%
88.0	15.817	1.756	3615.291	0.04%	99.91%
89.0	15.547	1.719	3617.01	0.04%	99.95%
90.0	15.402	1.697	3618.707	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3158.13	78.36%	87.27%
0-40	3408.46	84.57%	94.19%
0-60	3538.79	87.80%	97.79%
0-90	3617.01	89.74%	99.95%
0-120	3617.01	89.74%	99.95%
0-180	3618.71	89.79%	100.00%
60-90	78.22	1.94%	2.16%
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%
0-25.91	2894.97	71.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	933.60
10-20	1383.59
20-30	840.94
30-40	250.33
40-50	81.85
50-60	48.47
60-70	34.88
70-80	25.80
80-90	17.54
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



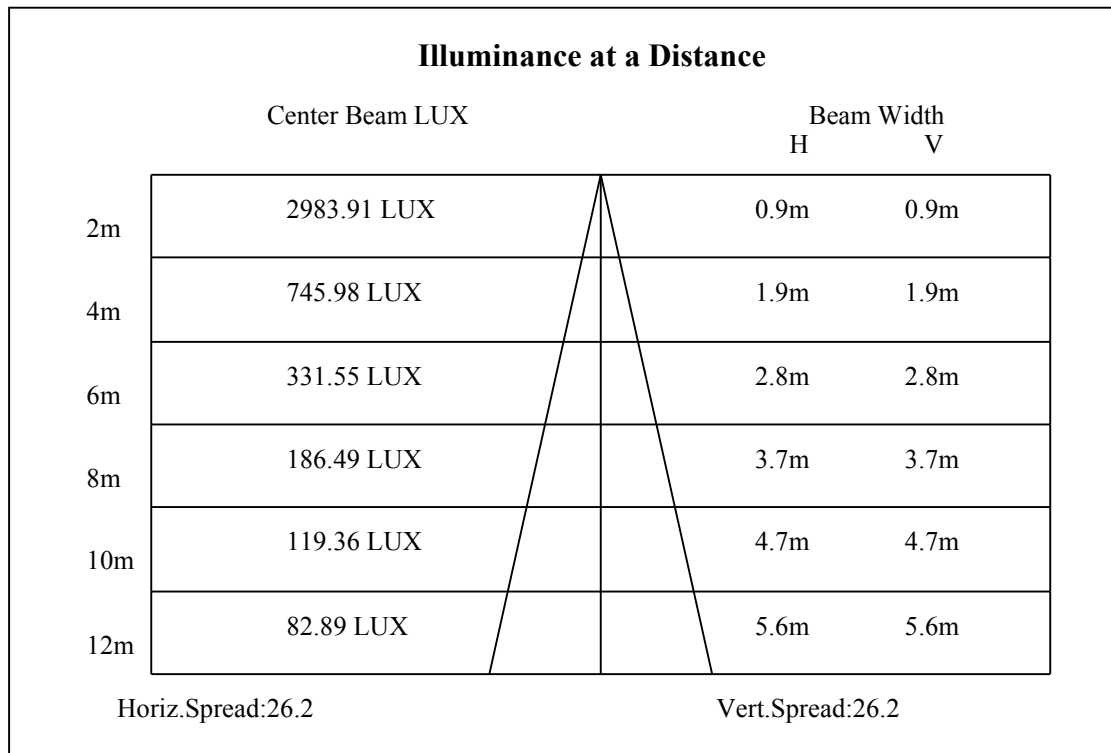
C0(Max): —————

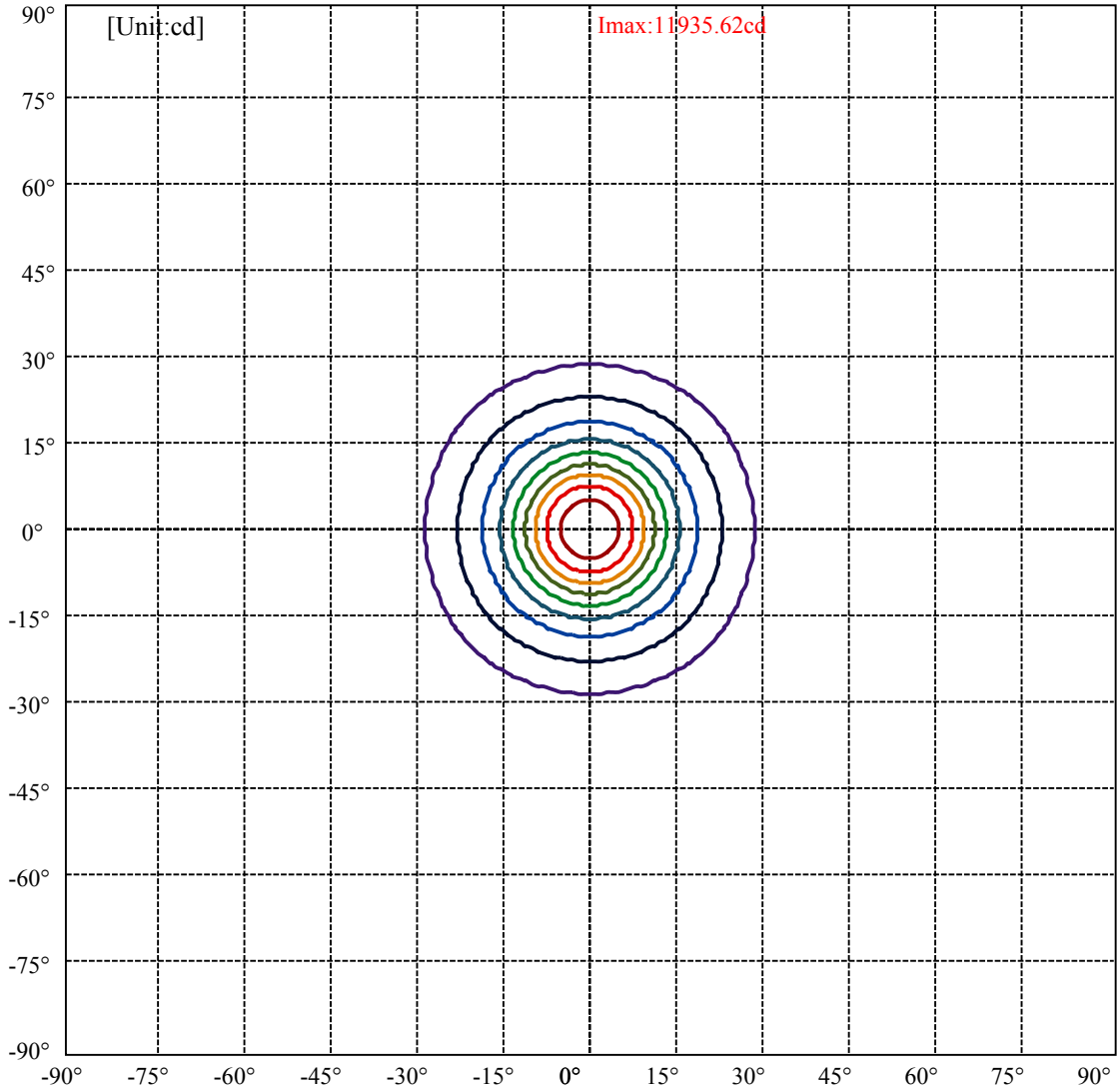
C0/C180: —————

C90/C270: —————

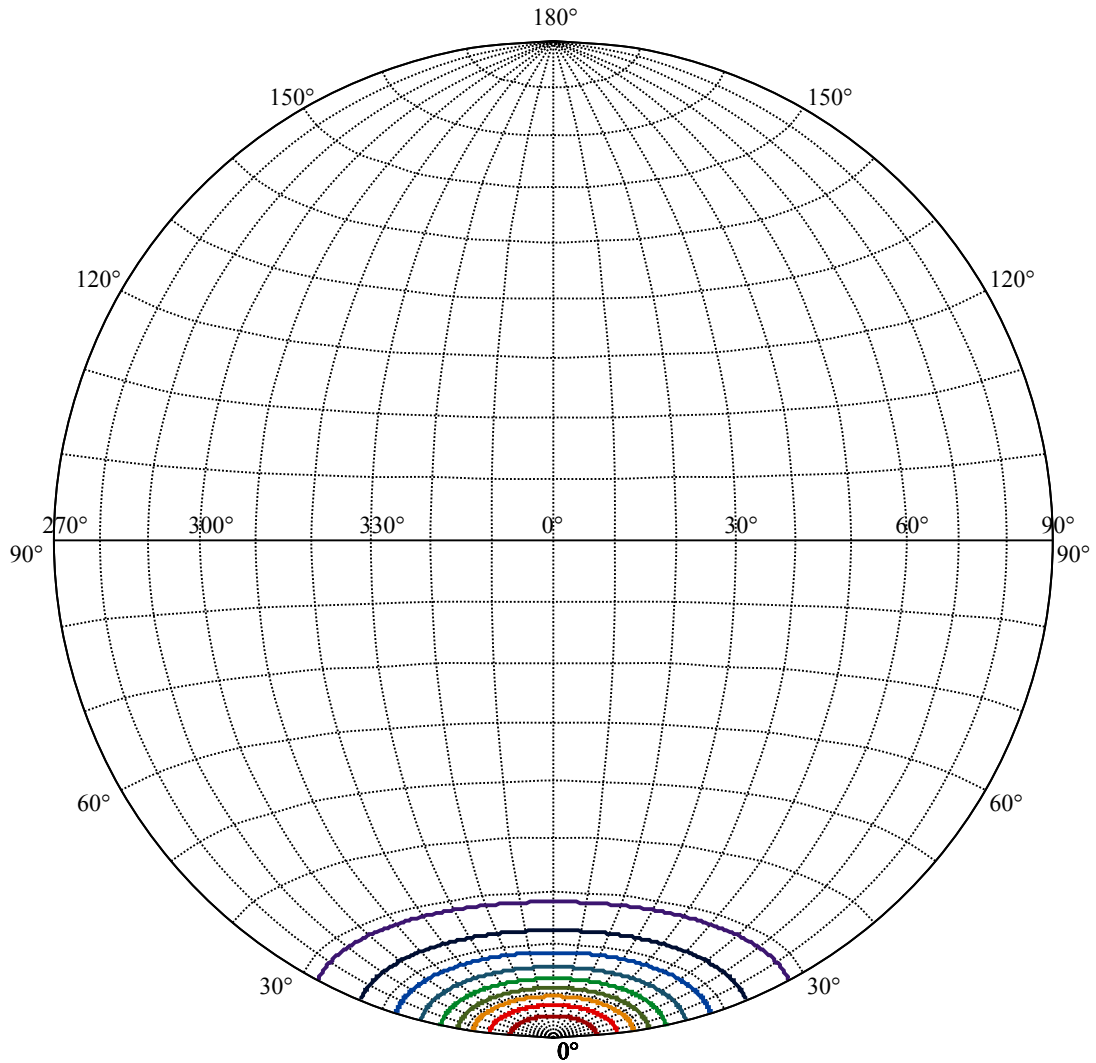
Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

Beam Angle(50%Imax):C0/180Left:13.1 Right:13.1
:C90/270Left:13.1 Right:13.1





(10%Imax) 1193.56	—
(20%Imax) 2387.12	—
(30%Imax) 3580.69	—
(40%Imax) 4774.25	—
(50%Imax) 5967.81	—
(60%Imax) 7161.37	—
(70%Imax) 8354.93	—
(80%Imax) 9548.5	—
(90%Imax) 10742.1	—



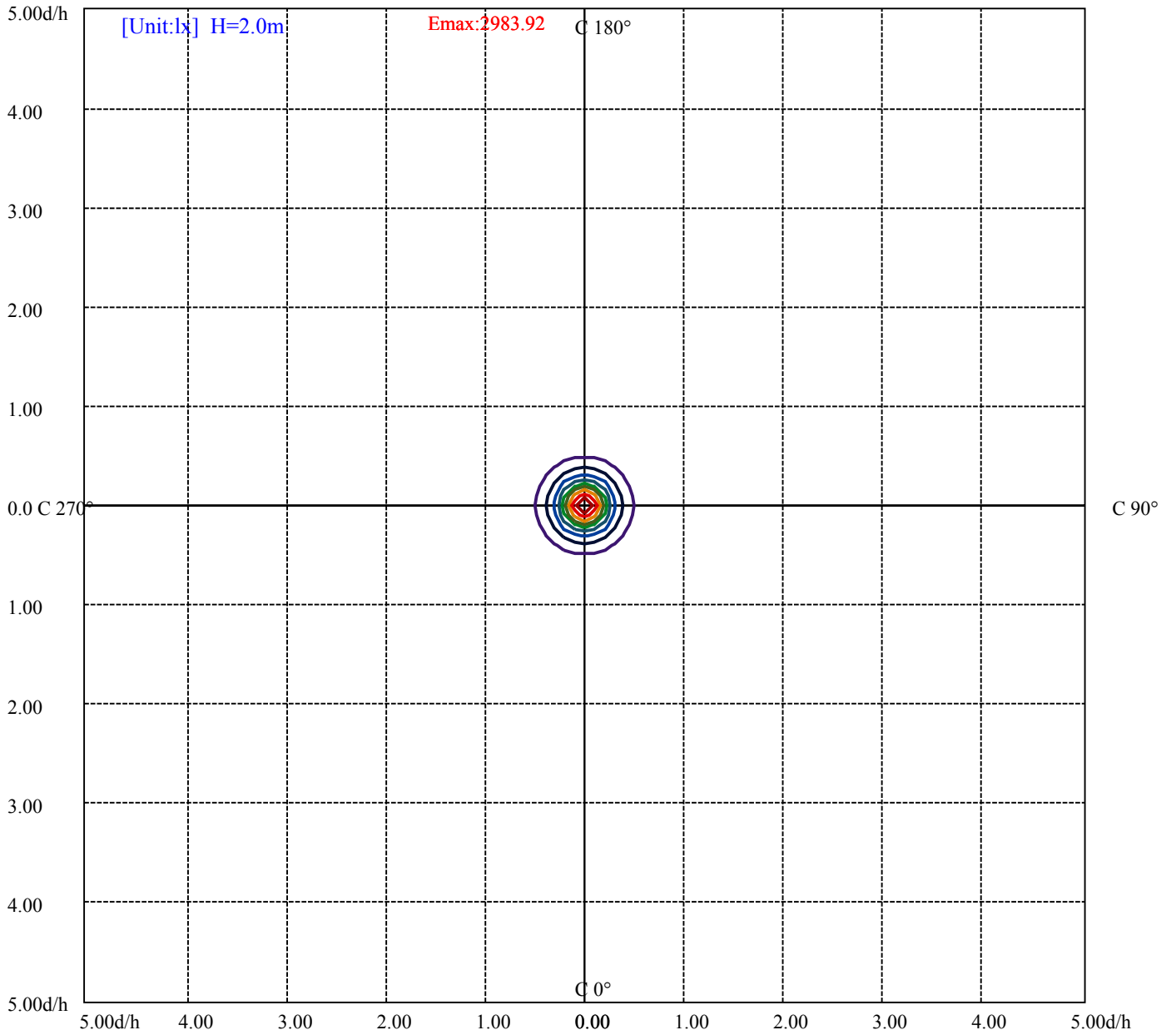
House

[Unit:cd]

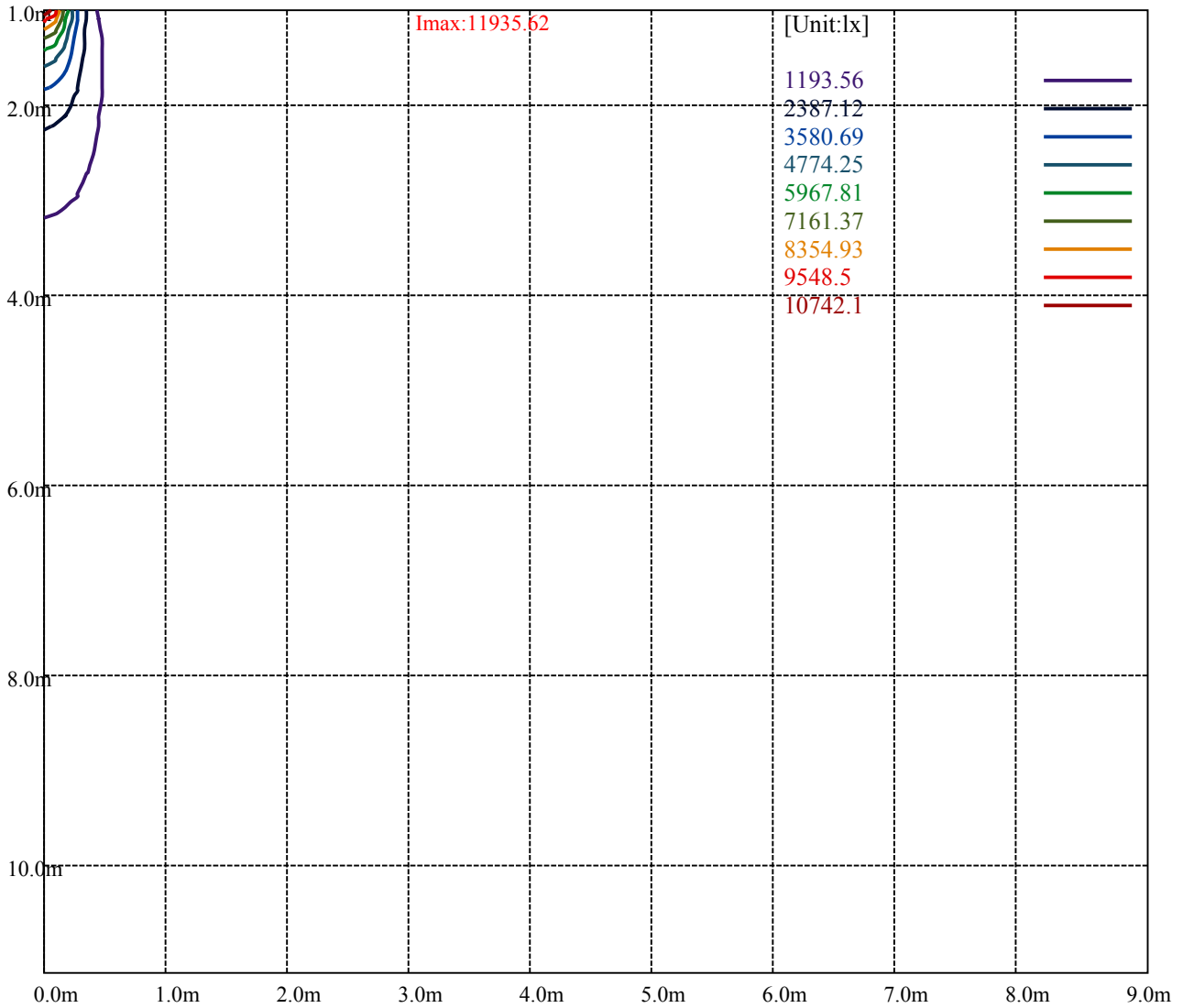
Road

Imax:11935.62

(10%Imax)	1193.56	—
(20%Imax)	2387.12	—
(30%Imax)	3580.69	—
(40%Imax)	4774.25	—
(50%Imax)	5967.81	—
(60%Imax)	7161.37	—
(70%Imax)	8354.93	—
(80%Imax)	9548.5	—
(90%Imax)	10742.1	—



(10%Emax) 298.39	—
(20%Emax) 596.78	—
(30%Emax) 895.17	—
(40%Emax) 1193.563	—
(50%Emax) 1491.953	—
(60%Emax) 1790.343	—
(70%Emax) 2088.732	—
(80%Emax) 2387.123	—
(90%Emax) 2685.525	—



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

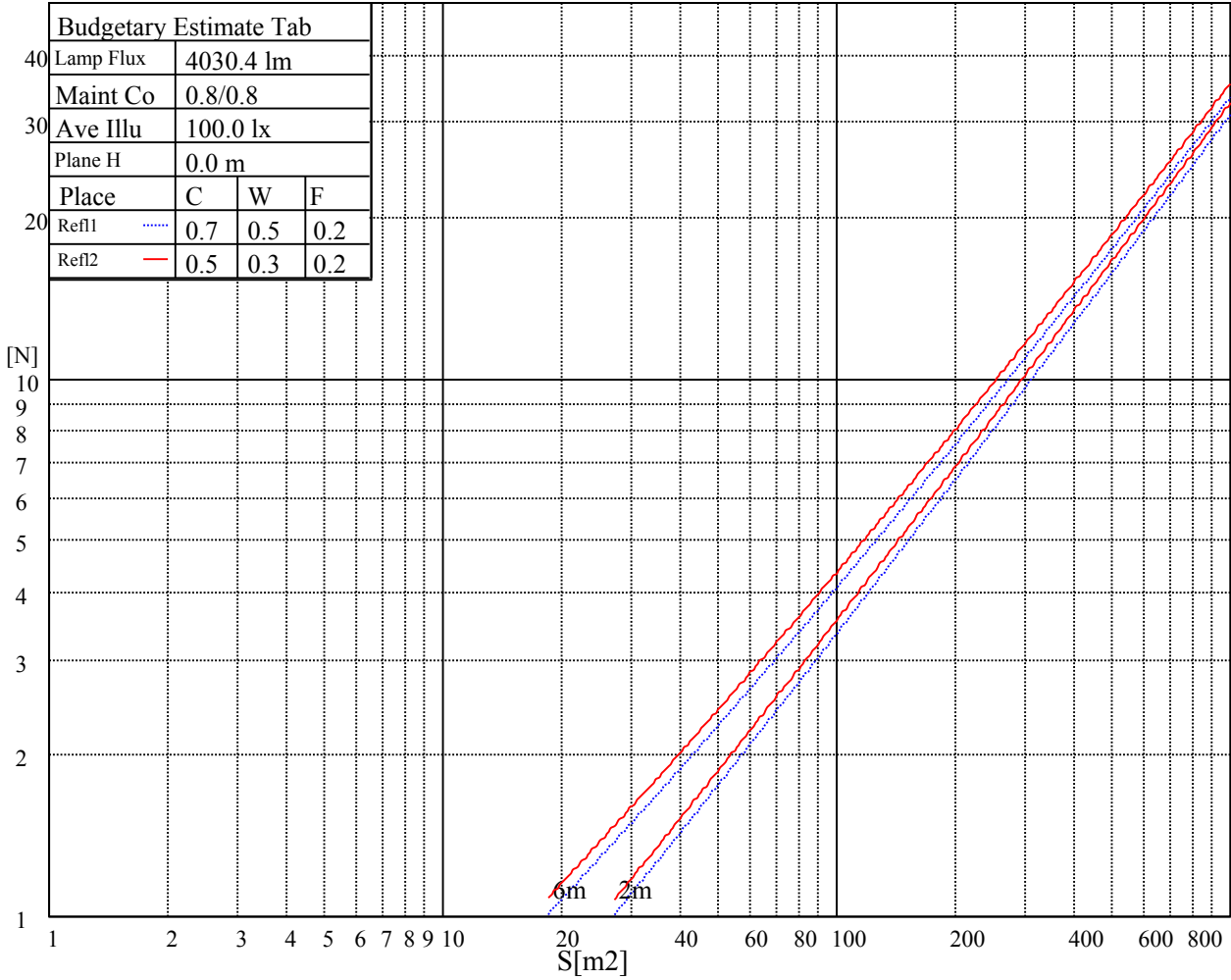
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

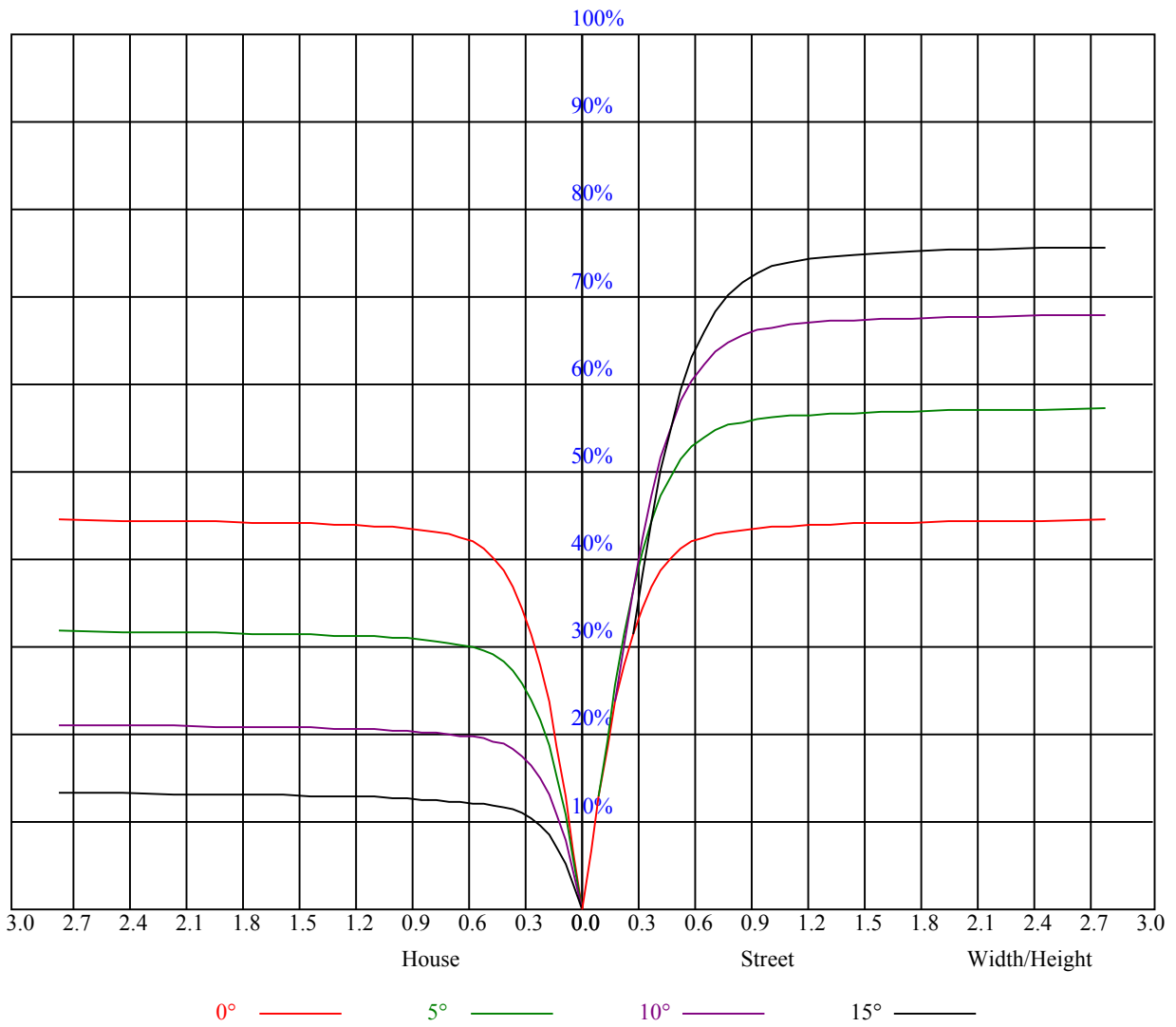


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.85
2	0.94	0.91	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.85	0.83	0.82	0.81
3	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.82	0.80	0.78	0.77
4	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.75	0.79	0.77	0.75	0.73
5	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.67
7	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
8	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.69	0.65	0.63	0.62
9	0.69	0.65	0.62	0.68	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58



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	11867.81	11696.22	11012.60	11012.60	10729.74	10170.67	9657.54	9102.35	8340.68
45.0	11956.38	11873.35	11701.75	11408.38	11092.86	10727.53	10290.23	9692.42	9138.88
90.0	11917.63	11707.29	10983.26	10983.26	10788.97	10241.52	9739.47	9194.23	8445.85
135.0	12000.66	11928.70	11773.71	11541.23	11159.29	10777.35	10334.52	9692.42	9122.27
180.0	11867.81	11967.45	11917.63	11790.32	11585.51	11308.74	10888.05	10461.83	9958.11
225.0	11956.38	11917.63	11773.71	10958.35	10958.35	10854.84	10435.26	9802.57	9261.21
270.0	11917.63	11989.59	11939.77	11801.39	11541.23	11242.32	10899.12	10483.97	9869.55
315.0	12000.66	11923.17	11768.18	11012.60	11012.60	10815.54	10399.83	9899.99	9354.76
360.0	11867.81	11696.22	11012.60	11012.60	10729.74	10170.67	9657.54	9102.35	8340.68
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7721.27	7109.62	6515.12	5826.52	5326.68	4889.38	4470.91	3981.58	3641.71
45.0	8563.20	7943.24	7179.36	6592.61	6028.01	5402.51	4948.61	4433.82	4046.35
90.0	7823.12	7197.08	6467.51	5922.28	5424.65	4867.80	4450.98	4059.63	3716.99
135.0	8386.07	7771.65	7151.69	6426.55	5889.62	5396.98	4943.08	4411.68	4035.28
180.0	9421.18	8684.98	8053.95	7273.46	6664.57	6094.43	5468.94	5003.97	4577.74
225.0	8646.79	8010.77	7218.66	6629.15	6076.72	5562.48	4987.36	4557.26	4169.79
270.0	9332.62	8590.88	7987.52	7334.35	6592.61	6022.47	5524.29	5059.32	4527.92
315.0	8603.61	7988.08	7201.50	6593.72	6024.13	5387.57	4929.79	4507.44	4119.41
360.0	7721.27	7109.62	6515.12	5826.52	5326.68	4889.38	4470.91	3981.58	3641.71
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3322.32	2957.54	2687.97	2432.24	2143.29	1951.77	1768.55	1543.26	1084.65
45.0	3714.23	3398.71	3027.84	2823.03	2823.03	2258.43	2007.68	1829.44	1648.43
90.0	3324.54	3030.06	2756.06	2499.77	2204.18	2006.01	1784.05	1604.70	1301.92
135.0	3686.55	3371.03	3088.73	2811.96	2811.96	2257.87	2007.68	1831.10	1612.45
180.0	4096.17	3736.37	3409.78	3121.94	2850.71	2850.71	2265.62	2069.67	1841.06
225.0	3718.10	3392.62	3023.41	2756.06	2497.55	2203.63	2013.76	1847.15	1687.18
270.0	4129.38	3764.04	3448.53	3094.27	2811.96	2811.96	2239.05	2041.99	1874.83
315.0	3676.59	3350.55	3051.64	2773.77	2456.04	2222.45	2030.92	1818.92	1640.68
360.0	3322.32	2957.54	2687.97	2432.24	2143.29	1951.77	1768.55	1543.26	1084.65
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1084.65	1047.62	862.80	725.57	595.72	477.26	356.37	289.61	251.19
45.0	1466.87	1252.65	1091.57	937.69	759.45	626.05	479.36	380.83	306.11
90.0	1104.19	1067.44	919.87	751.81	624.22	503.55	395.34	308.60	243.56
135.0	1435.32	1266.49	1068.32	925.51	788.24	658.15	506.49	398.55	310.53
180.0	1678.87	1512.26	1340.11	1130.32	980.31	796.54	662.58	539.70	405.19
225.0	1473.51	1067.27	1067.27	989.67	803.96	664.46	539.53	432.48	327.91
270.0	1651.75	1472.41	1259.29	1100.43	948.76	803.18	633.80	513.13	405.74
315.0	1461.89	1091.91	1091.91	941.45	764.93	631.86	508.59	401.15	298.91
360.0	1084.65	1047.62	862.80	725.57	595.72	477.26	356.37	289.61	251.19
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	220.64	200.05	181.39	161.08	146.69	131.08	119.90	109.71	100.52
45.0	291.16	244.11	203.98	185.38	164.79	150.78	137.83	125.98	112.70
90.0	218.26	198.22	175.69	160.14	146.02	130.36	119.51	107.16	98.70
135.0	293.37	293.37	191.30	173.31	153.83	140.65	128.81	115.30	105.95
180.0	323.27	280.09	280.09	208.30	188.81	170.99	155.32	138.00	125.54
225.0	273.72	238.24	215.38	194.68	171.82	155.82	141.59	128.86	115.02
270.0	321.05	288.95	288.95	205.47	185.77	164.34	149.40	136.11	121.78
315.0	250.25	223.96	202.76	178.68	162.24	147.41	131.41	120.17	109.99
360.0	220.64	200.05	181.39	161.08	146.69	131.08	119.90	109.71	100.52

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	92.77	84.30	78.33	73.23	67.53	63.77	60.67	57.73	54.86
45.0	103.51	95.37	88.23	80.32	74.89	68.97	64.93	61.66	57.96
90.0	91.06	84.14	76.66	71.63	67.20	63.32	59.39	56.41	54.03
135.0	97.70	88.51	82.20	76.55	71.63	66.15	62.44	59.34	56.57
180.0	114.64	103.07	94.99	86.24	80.32	75.11	69.36	65.32	62.00
225.0	105.78	97.53	90.45	82.70	77.33	72.62	67.42	63.99	61.06
270.0	111.81	103.07	93.49	86.79	80.82	74.62	70.19	66.20	62.94
315.0	98.97	91.50	85.08	77.72	72.79	68.42	63.44	60.34	57.40
360.0	92.77	84.30	78.33	73.23	67.53	63.77	60.67	57.73	54.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	52.75	50.32	48.55	46.94	44.50	42.84	41.18	39.41	37.36
45.0	55.52	53.42	51.37	48.88	47.16	45.33	43.34	41.02	39.30
90.0	52.03	49.65	47.71	45.72	43.95	42.12	40.08	38.42	36.87
135.0	53.75	51.87	50.04	47.88	46.33	44.62	42.35	40.68	38.64
180.0	59.01	56.41	53.75	51.59	49.71	47.94	45.67	43.67	41.52
225.0	57.46	55.58	53.36	50.76	48.99	46.94	44.89	42.62	40.68
270.0	59.12	56.57	54.52	52.36	49.98	48.27	46.39	43.95	42.07
315.0	55.08	52.64	50.81	49.04	47.60	45.28	43.62	41.46	39.74
360.0	52.75	50.32	48.55	46.94	44.50	42.84	41.18	39.41	37.36
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	35.98	34.71	33.38	32.27	31.00	29.95	28.67	27.79	26.96
45.0	37.59	35.76	34.49	33.27	31.77	30.72	29.61	28.40	27.40
90.0	35.48	33.88	32.66	31.44	30.17	29.12	28.06	27.07	25.96
135.0	37.03	35.65	34.54	33.27	31.77	30.83	29.78	28.78	27.68
180.0	39.80	38.03	36.20	34.93	33.54	32.05	31.11	30.11	29.06
225.0	38.80	37.31	35.59	34.21	32.60	31.50	30.39	29.01	27.95
270.0	39.91	38.14	36.70	35.32	33.54	32.38	31.27	30.22	28.84
315.0	38.03	36.09	34.82	33.60	32.33	31.05	30.11	29.06	28.06
360.0	35.98	34.71	33.38	32.27	31.00	29.95	28.67	27.79	26.96
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.91	25.19	24.52	23.75	23.14	22.58	22.31	21.20	20.48
45.0	26.46	25.57	24.63	23.86	23.19	22.53	21.64	21.03	20.26
90.0	25.08	24.30	23.36	22.64	21.81	21.20	20.59	19.98	19.26
135.0	26.85	25.79	25.08	24.47	23.69	23.03	22.42	21.59	20.98
180.0	27.90	27.07	26.24	25.52	24.58	23.91	23.19	22.31	21.59
225.0	27.01	25.91	25.13	24.30	23.58	22.69	21.98	21.26	20.65
270.0	27.84	26.90	25.85	25.02	24.19	23.30	22.58	21.86	21.09
315.0	27.01	26.13	25.35	24.41	23.80	23.19	22.47	21.92	21.42
360.0	25.91	25.19	24.52	23.75	23.14	22.58	22.31	21.20	20.48
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.87	19.10	18.43	17.66	16.66	16.27	15.89	15.61	15.50
45.0	19.65	19.15	18.32	17.88	17.21	16.50	16.05	15.72	15.28
90.0	18.82	18.21	17.82	17.27	16.66	16.22	15.83	15.44	15.33
135.0	20.31	19.60	18.88	18.21	17.77	16.61	16.22	15.78	15.39
180.0	20.70	20.09	19.37	18.71	18.10	17.60	16.83	16.16	15.83
225.0	19.98	19.32	18.65	18.10	17.66	16.88	16.27	15.89	15.55
270.0	20.48	19.82	19.21	18.65	18.05	17.49	16.55	16.11	15.83
315.0	20.81	20.26	19.60	18.76	18.16	16.61	16.22	15.83	15.67
360.0	19.87	19.10	18.43	17.66	16.66	16.27	15.89	15.61	15.50

Intensity data(cd)

C/γ(°)	90.0
0.0	15.50
45.0	15.39
90.0	15.39
135.0	15.44
180.0	15.33
225.0	15.39
270.0	15.39
315.0	15.39
360.0	15.50