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NT

Client:

LumCAT: 2-2644-L

Luminaire: 92.70.412.00

Report No: 20231116-B012

Ballast type: AC

Test No: 20231116-C012

Voltage(V): 34.590

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4030.4

Power (W): 24.904

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3634.54, Efficiency(%): 90.18% , Luminous Efficacy(lm/W): 145.94

Central intensity(cd): 12186.100, Maximum intensity(cd): 12186.100

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.6

[C90/270]Total=25.6

Field angle(10%Imax): [C0/180]Total=56.0

[C90/270]Total=56.0

Maximum s/h(1/2): C0_180=0.43 C90_270=0.43

Maximum s/h(1/4): C0_180=0.47 C90_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.18%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.859%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12186.095	0.000	0	0.00%	0.00%
1.0	12130.741	11.635	11.635	0.29%	0.32%
2.0	11824.913	34.383	46.019	0.85%	1.27%
3.0	11639.478	56.119	102.138	1.39%	2.81%
4.0	11180.320	76.385	178.523	1.90%	4.91%
5.0	10832.976	94.700	273.223	2.35%	7.52%
6.0	10333.064	111.233	384.456	2.76%	10.58%
7.0	9760.569	124.721	509.177	3.09%	14.01%
8.0	9155.624	135.380	644.556	3.36%	17.73%
9.0	8503.766	143.120	787.676	3.55%	21.67%
10.0	7863.048	148.114	935.79	3.67%	25.75%
11.0	7230.564	150.816	1086.606	3.74%	29.90%
12.0	6594.067	151.123	1237.729	3.75%	34.05%
13.0	5980.334	149.226	1386.956	3.70%	38.16%
14.0	5457.519	146.404	1533.359	3.63%	42.19%
15.0	4980.371	143.296	1676.655	3.56%	46.13%
16.0	4522.458	139.243	1815.898	3.45%	49.96%
17.0	4120.038	134.587	1950.485	3.34%	53.67%
18.0	3731.455	129.454	2079.939	3.21%	57.23%
19.0	3400.302	124.078	2204.017	3.08%	60.64%
20.0	3088.247	118.758	2322.776	2.95%	63.91%
21.0	2835.073	113.740	2436.515	2.82%	67.04%
22.0	2624.107	109.705	2546.22	2.72%	70.06%
23.0	2340.489	104.171	2650.39	2.58%	72.92%
24.0	2147.720	98.128	2748.519	2.43%	75.62%
25.0	1854.276	90.997	2839.515	2.26%	78.13%
26.0	1573.288	80.908	2920.423	2.01%	80.35%
27.0	1427.777	73.422	2993.845	1.82%	82.37%
28.0	1220.941	67.060	3060.905	1.66%	84.22%
29.0	1088.515	60.422	3121.327	1.50%	85.88%
30.0	944.339	54.887	3176.214	1.36%	87.39%
31.0	804.793	48.676	3224.889	1.21%	88.73%
32.0	686.710	42.730	3267.619	1.06%	89.90%
33.0	568.848	36.989	3304.608	0.92%	90.92%
34.0	472.014	31.500	3336.108	0.78%	91.79%
35.0	386.998	26.678	3362.786	0.66%	92.52%
36.0	319.446	22.493	3385.279	0.56%	93.14%
37.0	270.001	19.224	3404.503	0.48%	93.67%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	232.949	16.788	3421.291	0.42%	94.13%
39.0	193.253	14.547	3435.839	0.36%	94.53%
40.0	148.202	11.909	3447.747	0.30%	94.86%
41.0	126.573	9.785	3457.532	0.24%	95.13%
42.0	110.216	8.603	3466.135	0.21%	95.37%
43.0	97.831	7.707	3473.842	0.19%	95.58%
44.0	88.275	7.024	3480.866	0.17%	95.77%
45.0	80.159	6.473	3487.339	0.16%	95.95%
46.0	73.911	6.025	3493.364	0.15%	96.12%
47.0	68.403	5.660	3499.024	0.14%	96.27%
48.0	64.037	5.354	3504.378	0.13%	96.42%
49.0	60.183	5.101	3509.48	0.13%	96.56%
50.0	56.862	4.880	3514.36	0.12%	96.69%
51.0	54.122	4.696	3519.055	0.12%	96.82%
52.0	51.852	4.547	3523.603	0.11%	96.95%
53.0	50.026	4.432	3528.034	0.11%	97.07%
54.0	48.358	4.336	3532.371	0.11%	97.19%
55.0	46.871	4.251	3536.621	0.11%	97.31%
56.0	45.494	4.174	3540.795	0.10%	97.42%
57.0	44.138	4.098	3544.893	0.10%	97.53%
58.0	42.878	4.024	3548.917	0.10%	97.64%
59.0	41.508	3.945	3552.862	0.10%	97.75%
60.0	40.090	3.855	3556.717	0.10%	97.86%
61.0	38.741	3.762	3560.479	0.09%	97.96%
62.0	37.357	3.667	3564.146	0.09%	98.06%
63.0	35.945	3.565	3567.711	0.09%	98.16%
64.0	34.727	3.468	3571.179	0.09%	98.26%
65.0	33.593	3.381	3574.56	0.08%	98.35%
66.0	32.472	3.296	3577.856	0.08%	98.44%
67.0	31.323	3.208	3581.064	0.08%	98.53%
68.0	30.182	3.116	3584.18	0.08%	98.61%
69.0	29.102	3.024	3587.204	0.08%	98.70%
70.0	28.037	2.935	3590.139	0.07%	98.78%
71.0	27.068	2.848	3592.987	0.07%	98.86%
72.0	26.078	2.763	3595.75	0.07%	98.93%
73.0	25.193	2.681	3598.431	0.07%	99.01%
74.0	24.383	2.606	3601.038	0.06%	99.08%
75.0	23.678	2.539	3603.577	0.06%	99.15%

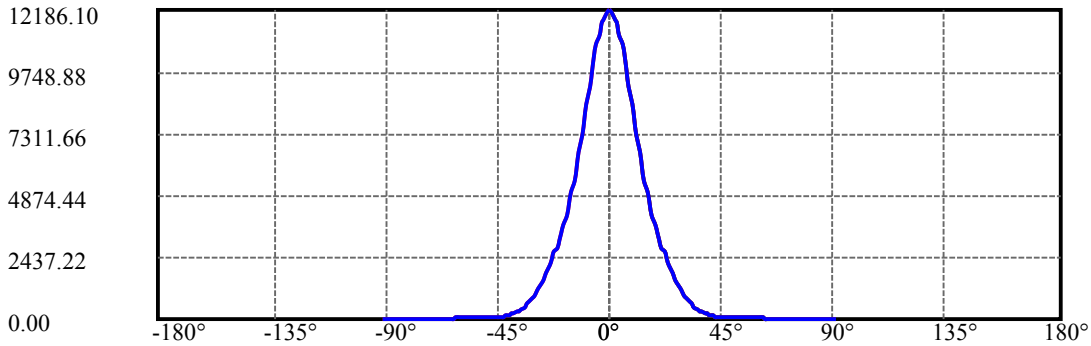
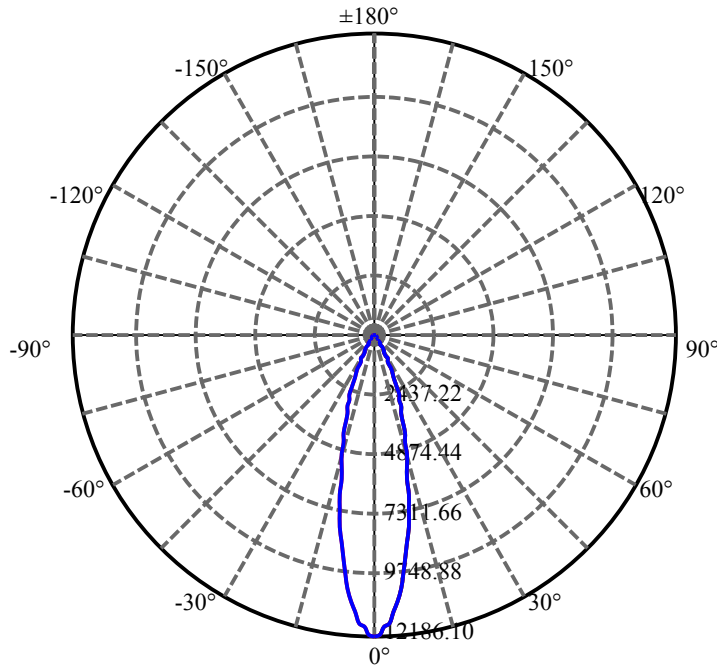
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.986	2.477	3606.054	0.06%	99.22%
77.0	22.314	2.415	3608.469	0.06%	99.28%
78.0	21.678	2.355	3610.824	0.06%	99.35%
79.0	21.021	2.294	3613.118	0.06%	99.41%
80.0	20.432	2.235	3615.353	0.06%	99.47%
81.0	19.851	2.178	3617.532	0.05%	99.53%
82.0	19.256	2.121	3619.652	0.05%	99.59%
83.0	18.703	2.063	3621.716	0.05%	99.65%
84.0	18.101	2.005	3623.721	0.05%	99.70%
85.0	17.519	1.944	3625.665	0.05%	99.76%
86.0	16.793	1.876	3627.541	0.05%	99.81%
87.0	16.336	1.813	3629.354	0.04%	99.86%
88.0	15.893	1.765	3631.119	0.04%	99.91%
89.0	15.589	1.726	3632.845	0.04%	99.95%
90.0	15.388	1.698	3634.543	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3176.21	78.81%	87.39%
0-40	3447.75	85.54%	94.86%
0-60	3556.72	88.25%	97.86%
0-90	3632.84	90.14%	99.95%
0-120	3632.84	90.14%	99.95%
0-180	3634.54	90.18%	100.00%
60-90	76.13	1.89%	2.09%
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%
0-25.84	2907.64	72.14%	80.00%

ZONAL LUMEN SUMMARY

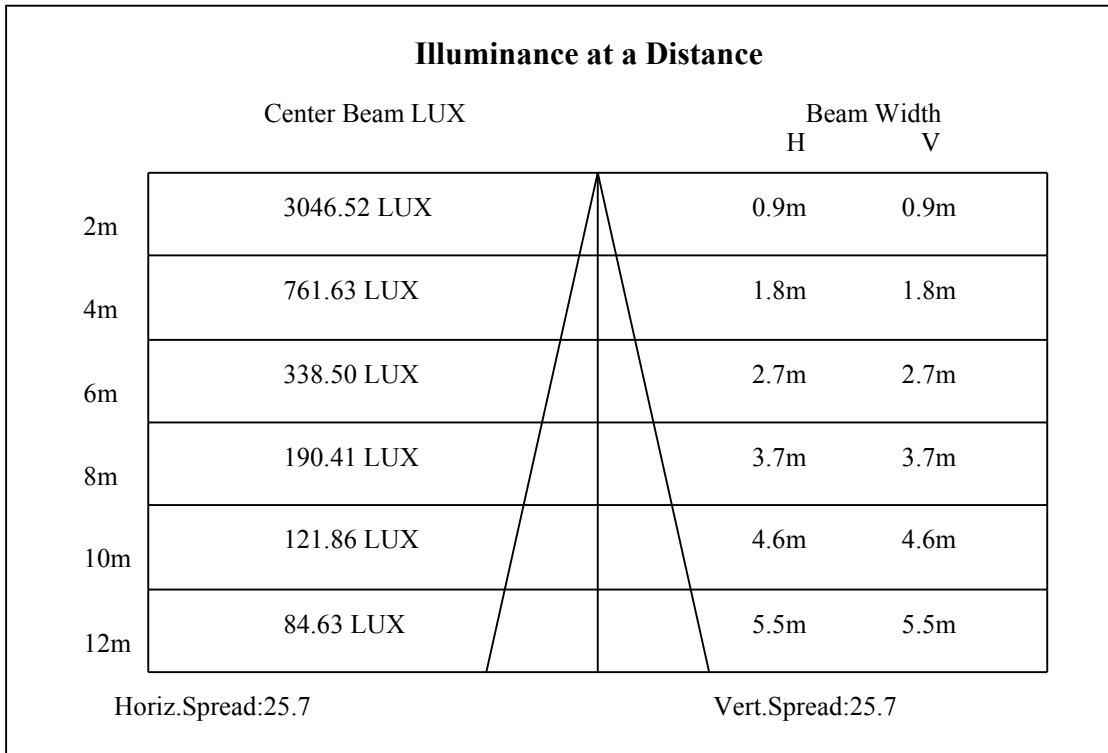
0-10	935.79
10-20	1386.99
20-30	853.44
30-40	271.53
40-50	66.61
50-60	42.36
60-70	33.42
70-80	25.21
80-90	17.49
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

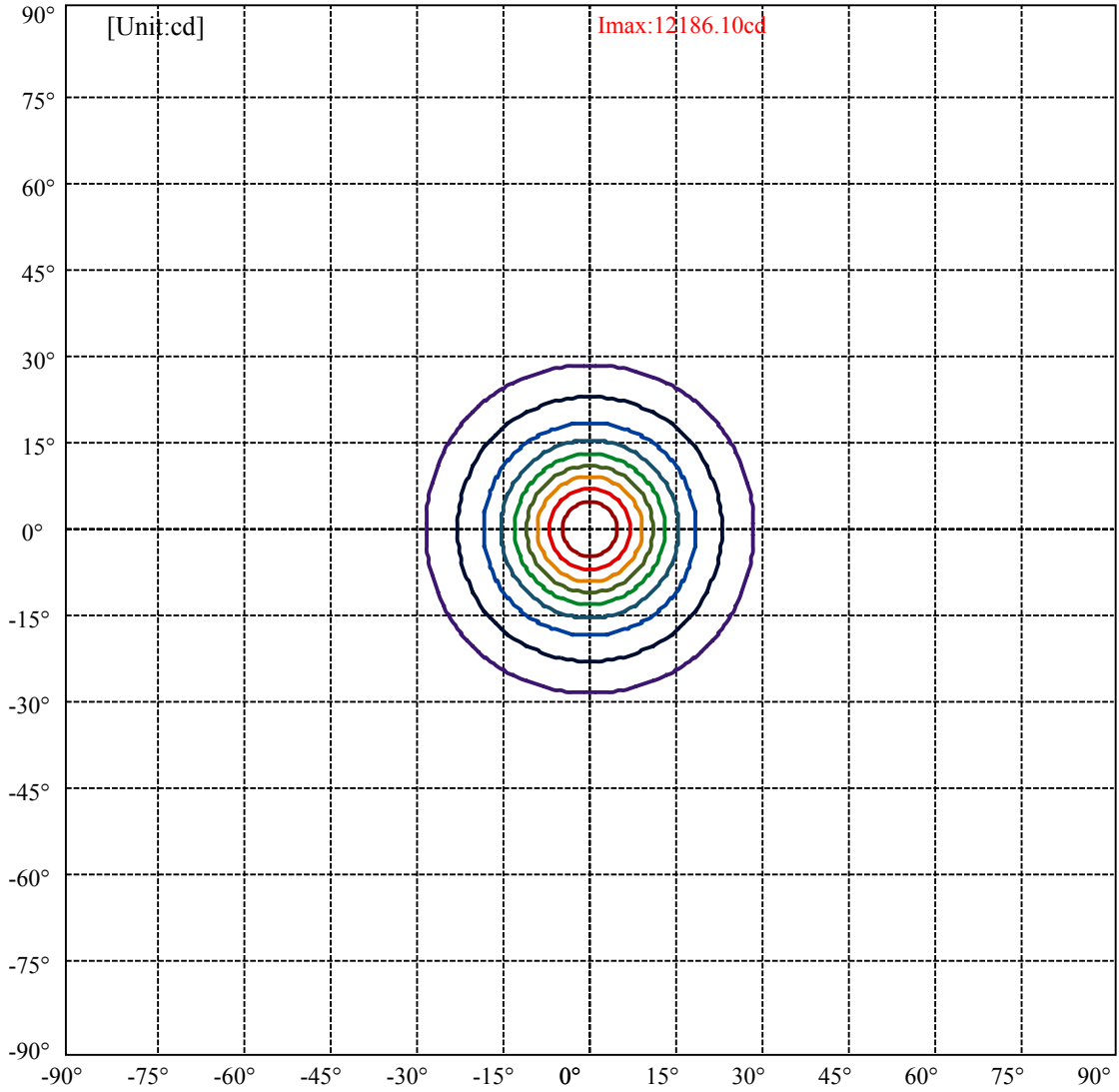


C0(Max): ———
C0/C180: ———
C90/C270: ———

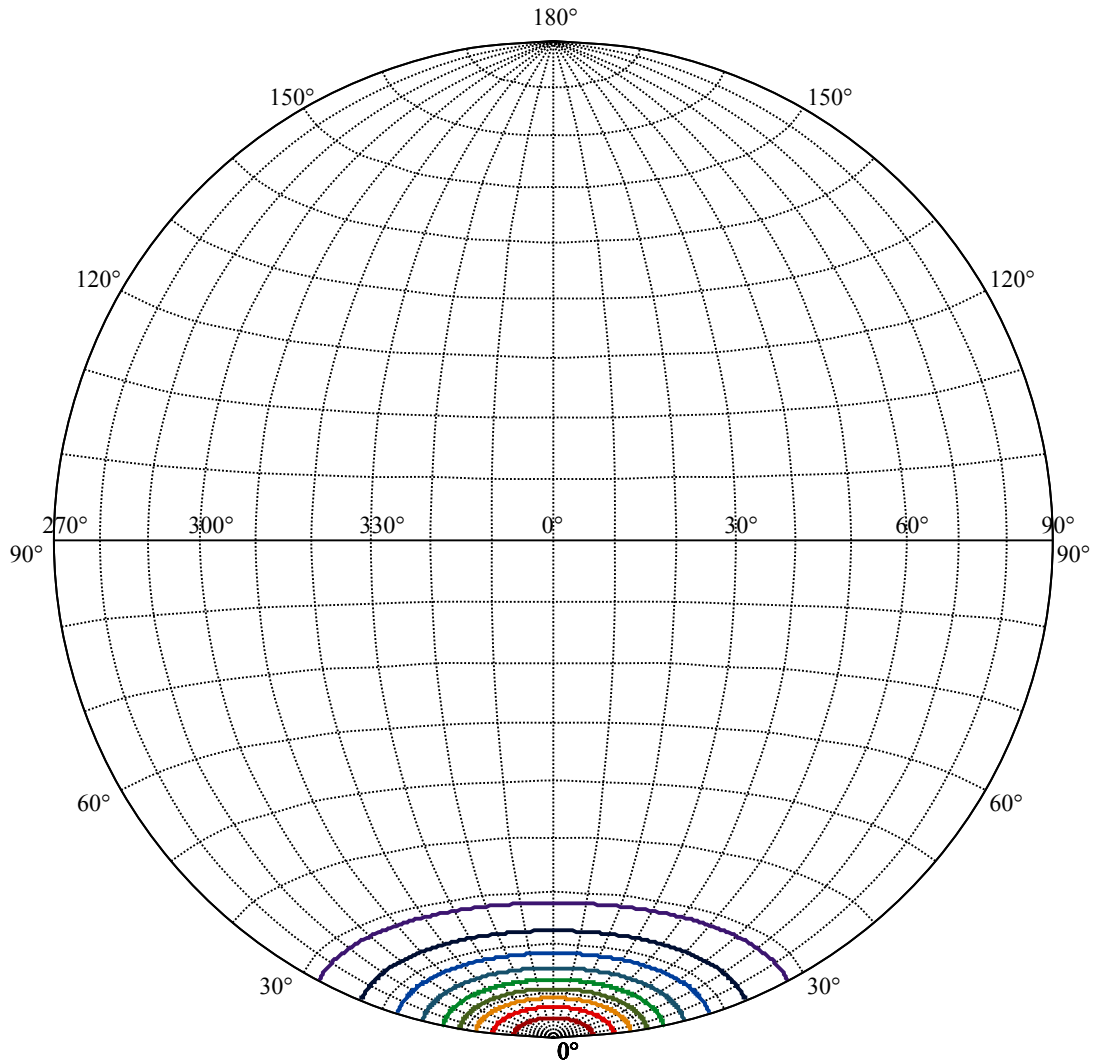
Field angle(10%Imax):C0/180Left:28.0 Right:28.0
:C90/270Left:28.0 Right:28.0

Beam Angle(50%Imax):C0/180Left:12.8 Right:12.8
:C90/270Left:12.8 Right:12.8





(10%Imax) 1218.61	—
(20%Imax) 2437.22	—
(30%Imax) 3655.83	—
(40%Imax) 4874.44	—
(50%Imax) 6093.05	—
(60%Imax) 7311.66	—
(70%Imax) 8530.27	—
(80%Imax) 9748.88	—
(90%Imax) 10967.5	—



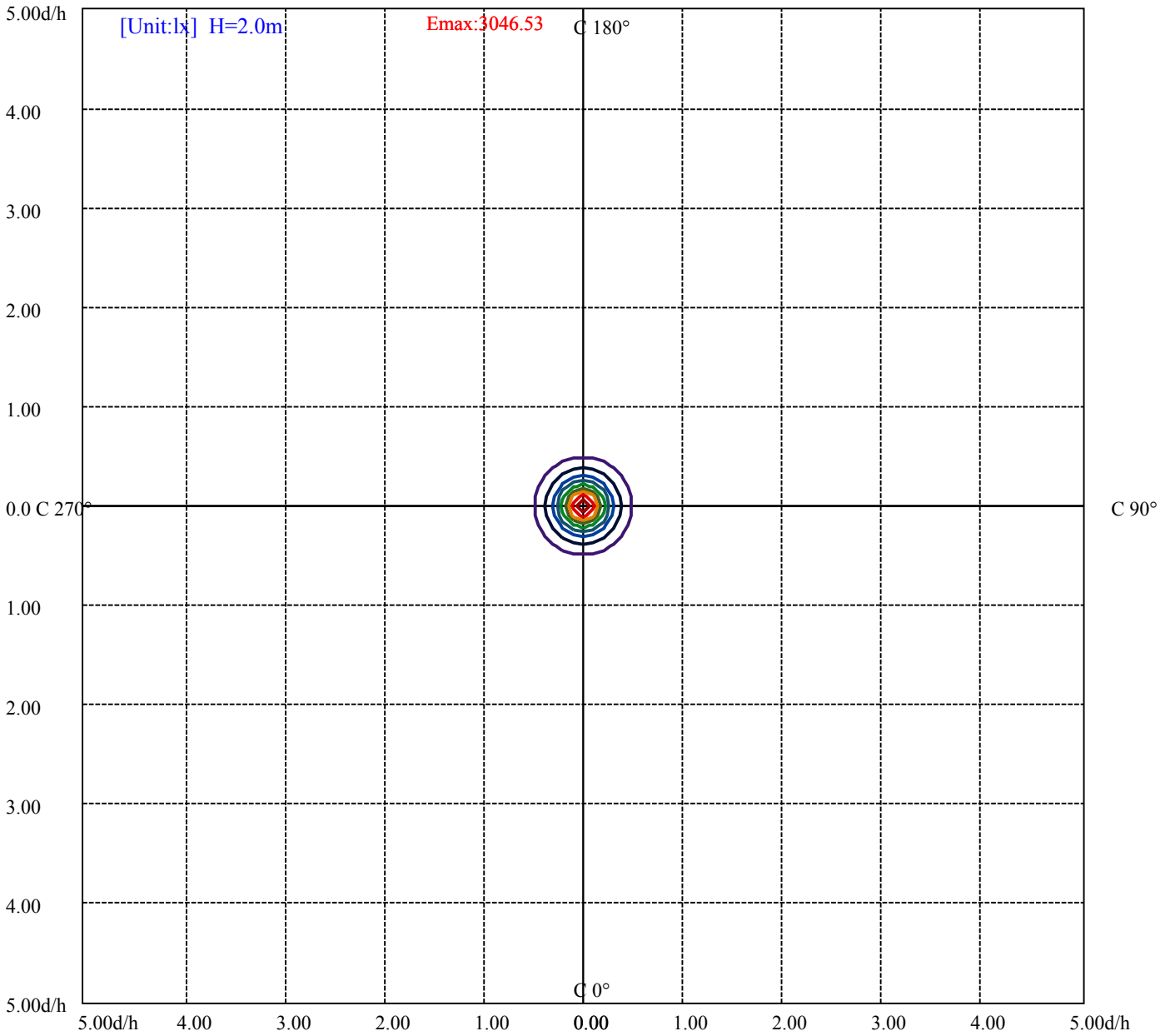
House

[Unit:cd]

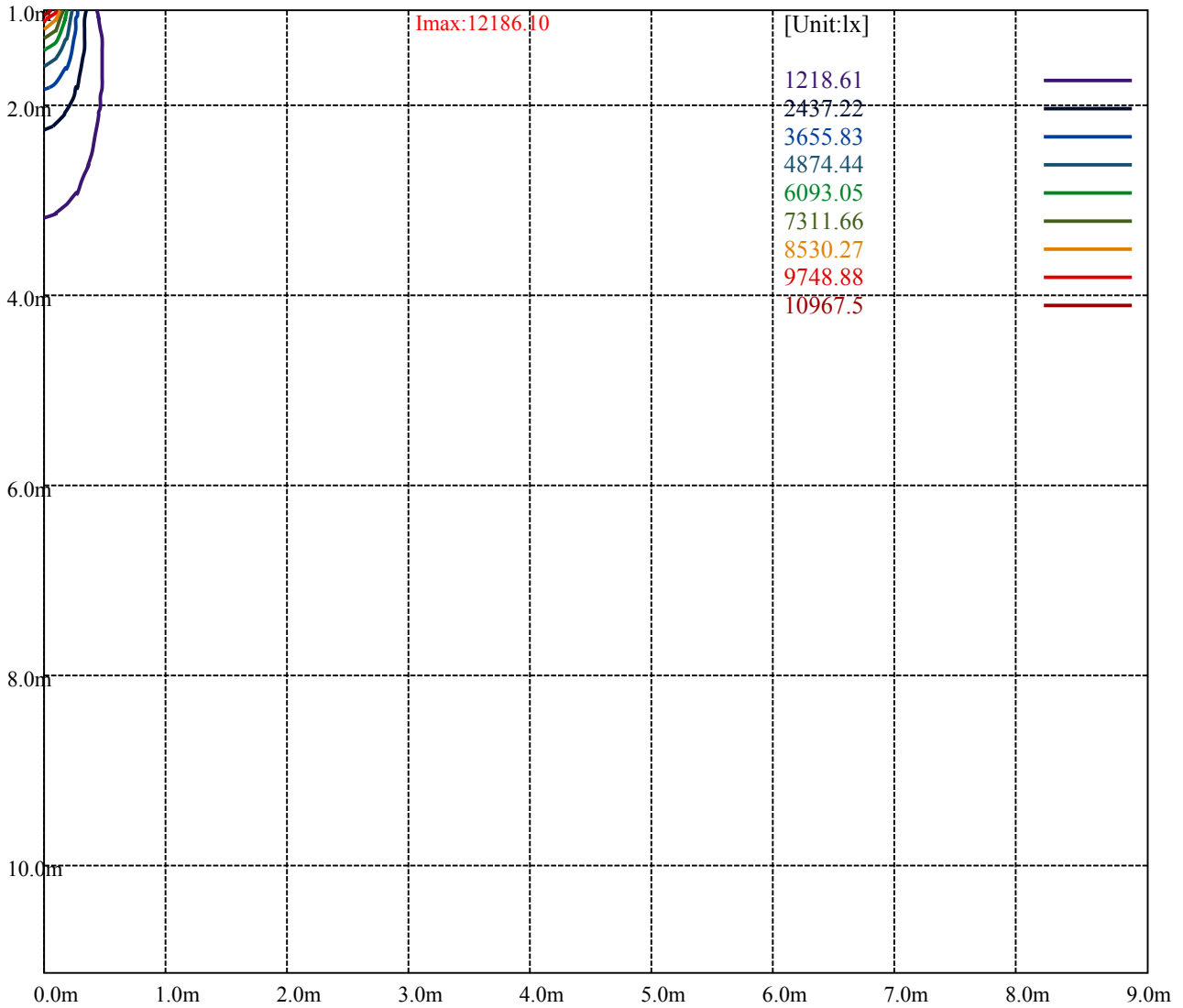
Road

Imax:12186.10

(10%Imax)	1218.61	—
(20%Imax)	2437.22	—
(30%Imax)	3655.83	—
(40%Imax)	4874.44	—
(50%Imax)	6093.05	—
(60%Imax)	7311.66	—
(70%Imax)	8530.27	—
(80%Imax)	9748.88	—
(90%Imax)	10967.5	—



- (10%Emax) 304.6525
- (20%Emax) 609.305
- (30%Emax) 913.9575
- (40%Emax) 1218.608
- (50%Emax) 1523.26
- (60%Emax) 1827.912
- (70%Emax) 2132.565
- (80%Emax) 2437.218
- (90%Emax) 2741.875



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

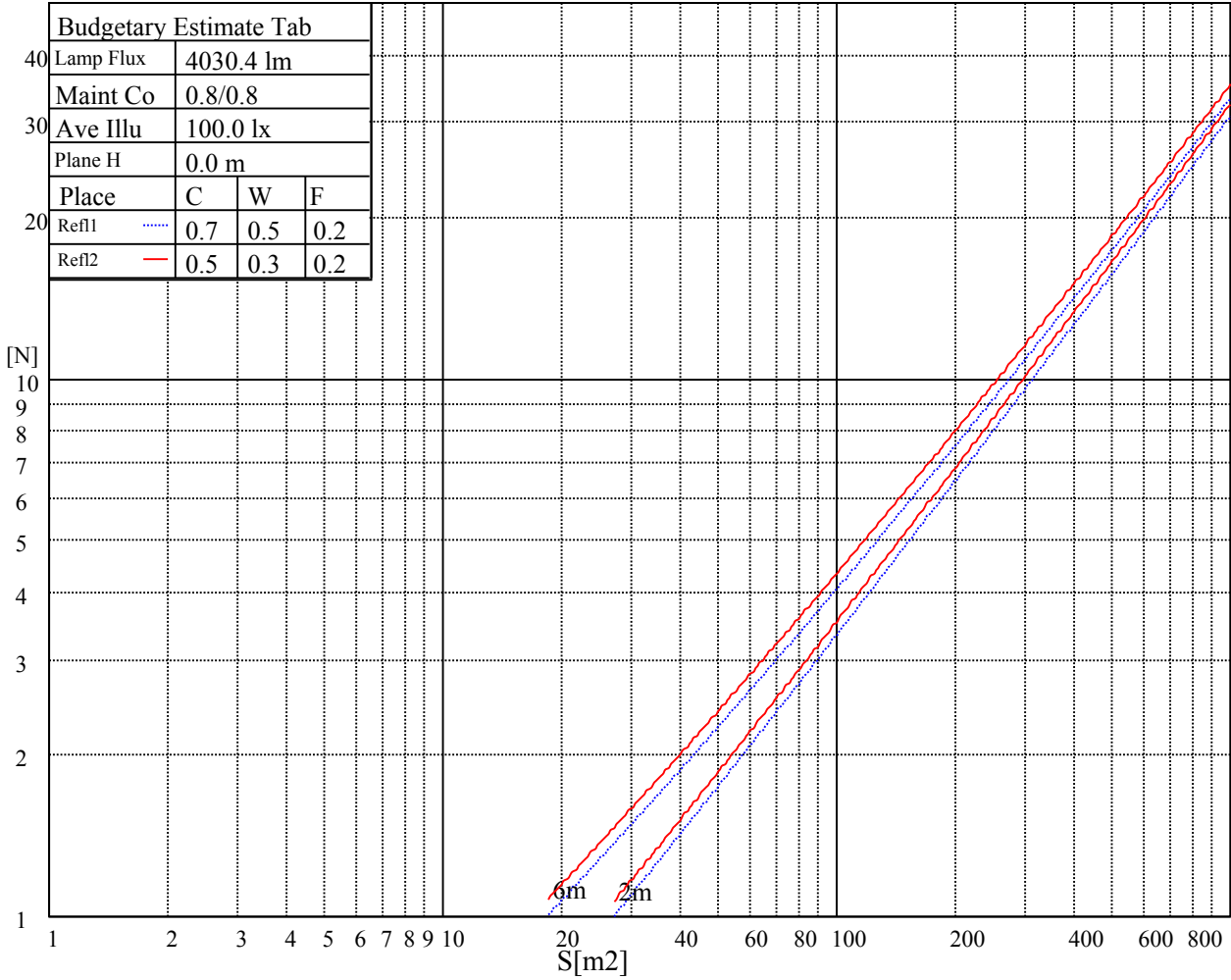
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

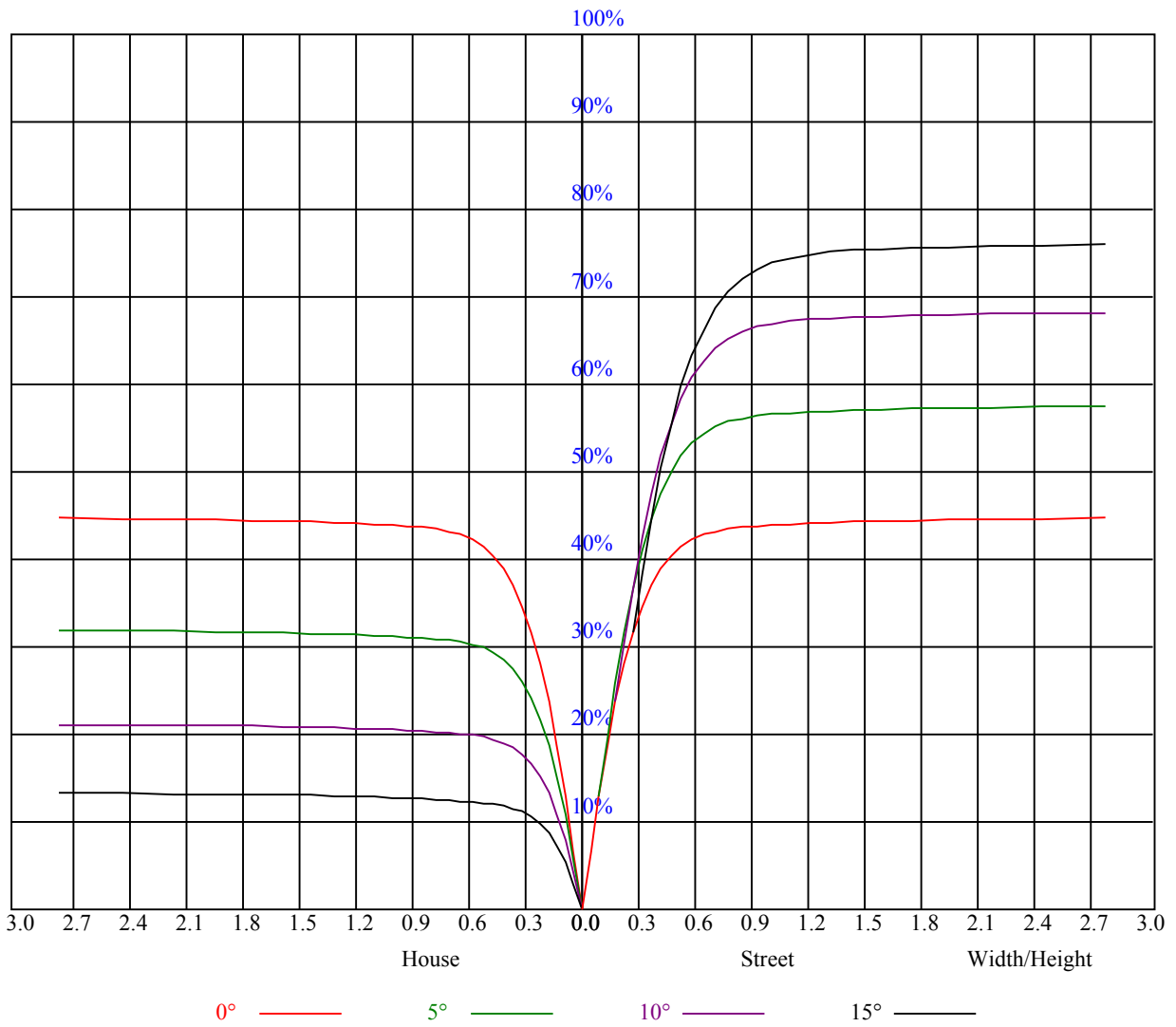


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.85
2	0.95	0.92	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.77
4	0.85	0.81	0.78	0.84	0.81	0.78	0.83	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.71
6	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
9	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.64	0.61	0.60
10	0.67	0.62	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.65	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	12089.23	11834.60	10978.83	10978.83	10647.26	10145.76	9606.62	8876.50	8256.54
45.0	12238.68	12105.83	11862.28	11541.23	11076.26	10638.96	10146.31	9465.47	8889.79
90.0	12139.04	11895.49	11046.36	11046.36	10702.07	10201.67	9562.33	8999.39	8376.11
135.0	12277.43	12233.15	12000.66	11674.07	11303.21	10771.81	10279.16	9625.99	9044.78
180.0	12089.23	12244.22	12271.89	12172.26	11906.56	11447.12	11065.18	10622.36	9985.79
225.0	12238.68	12288.50	12205.47	11956.38	10987.69	10987.69	10640.62	10131.92	9423.40
270.0	12139.04	12244.22	12266.36	12166.72	11878.88	11530.15	11020.90	10550.40	10024.54
315.0	12277.43	12199.93	11967.45	11579.97	10940.64	10940.64	10343.37	9812.53	9244.05
360.0	12089.23	11834.60	10978.83	10978.83	10647.26	10145.76	9606.62	8876.50	8256.54
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7463.88	6848.90	6273.22	5757.88	5176.12	4741.59	4338.62	3970.51	3562.00
45.0	8297.50	7522.55	6919.20	6349.06	5712.49	5247.52	4804.69	4289.90	3946.71
90.0	7592.30	6982.30	6401.09	5729.65	5253.06	4813.55	4303.19	3936.75	3622.34
135.0	8463.57	7860.21	7245.79	6509.58	5944.98	5446.79	4976.29	4444.89	4068.49
180.0	9421.18	8862.11	8148.05	7544.70	6769.75	6171.93	5640.53	5181.10	4743.80
225.0	8841.08	8235.51	7473.84	6867.17	6279.31	5619.50	5139.03	4700.63	4299.87
270.0	9316.01	8756.94	8170.19	7384.17	6775.28	6183.00	5662.67	5203.24	4644.17
315.0	8634.61	7835.86	7213.13	6610.33	5931.69	5436.28	4977.95	4452.64	4072.92
360.0	7463.88	6848.90	6273.22	5757.88	5176.12	4741.59	4338.62	3970.51	3562.00
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3258.67	2983.56	2721.18	2426.15	2216.36	1964.50	1777.96	1597.50	1086.92
45.0	3631.20	3326.75	2978.02	2839.64	2839.64	2262.86	2013.21	1816.15	1585.88
90.0	3247.04	2964.19	2705.13	2466.56	2197.54	1989.96	1800.10	1620.75	1103.42
135.0	3725.30	3337.82	3049.98	2839.64	2839.64	2244.59	2039.23	1796.22	1611.90
180.0	4251.16	3874.75	3537.10	3232.65	2889.46	2823.03	2823.03	2120.04	1920.77
225.0	3843.75	3506.10	3198.33	2923.78	2601.07	2371.90	2159.90	1913.02	1725.37
270.0	4251.16	3885.82	3492.81	3193.90	2894.99	2823.03	2528.00	2121.15	1877.59
315.0	3643.37	3323.43	3023.41	2758.27	2514.16	2244.03	2040.33	1849.36	1674.45
360.0	3258.67	2983.56	2721.18	2426.15	2216.36	1964.50	1777.96	1597.50	1086.92
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.92	1048.73	905.20	748.21	634.30	533.33	444.27	351.61	290.77
45.0	1405.43	1231.62	1033.45	893.41	766.65	652.07	526.41	440.06	365.89
90.0	1103.42	1065.34	889.53	766.37	626.71	527.08	440.17	366.22	290.22
135.0	1435.87	1222.21	1067.77	924.96	801.52	687.49	559.07	471.06	391.90
180.0	1737.00	1510.60	1336.79	1131.98	979.21	843.59	721.26	583.98	488.77
225.0	1502.30	1085.65	1085.65	1011.20	840.93	717.99	608.00	509.53	404.52
270.0	1693.27	1514.47	1300.81	1136.41	980.31	843.59	694.13	587.30	493.20
315.0	1458.01	1088.92	1088.92	942.17	808.72	688.54	557.47	466.35	370.70
360.0	1086.92	1048.73	905.20	748.21	634.30	533.33	444.27	351.61	290.77
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	241.90	194.24	164.95	142.26	120.56	106.72	95.43	84.36	77.44
45.0	303.34	290.05	230.60	167.83	144.64	122.83	109.38	98.14	87.13
90.0	242.06	203.37	171.93	142.48	124.16	109.49	97.42	86.07	78.99
135.0	309.43	280.64	280.64	166.34	141.10	118.29	104.84	94.49	86.13
180.0	405.74	334.89	290.61	290.61	178.02	149.90	123.94	108.83	97.37
225.0	334.89	277.32	230.27	184.16	155.99	129.86	114.64	102.90	91.67
270.0	411.28	325.48	283.41	283.41	177.69	151.50	126.87	112.53	100.74
315.0	306.94	254.02	211.17	168.94	143.48	123.99	109.21	95.32	86.74
360.0	241.90	194.24	164.95	142.26	120.56	106.72	95.43	84.36	77.44

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	71.74	65.82	61.77	58.51	55.69	52.75	50.81	49.32	47.94
45.0	80.15	73.01	68.25	63.99	60.34	56.79	54.41	52.31	50.26
90.0	71.79	66.92	62.83	58.51	55.80	53.47	51.48	49.54	48.16
135.0	77.72	72.13	67.20	62.99	58.45	55.52	53.08	50.48	48.82
180.0	86.57	79.65	72.40	67.48	63.27	59.56	55.63	53.19	51.04
225.0	84.30	77.99	71.24	66.65	62.72	59.23	55.69	53.36	51.20
270.0	89.29	81.98	75.83	70.69	66.15	61.39	58.07	55.46	53.19
315.0	79.71	73.79	67.70	63.49	59.06	56.18	53.80	51.15	49.60
360.0	71.74	65.82	61.77	58.51	55.69	52.75	50.81	49.32	47.94
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	46.33	45.11	43.90	42.35	41.07	39.25	37.92	36.70	35.48
45.0	48.82	47.44	46.05	44.39	43.07	41.79	39.74	38.36	37.09
90.0	46.83	45.50	43.95	42.84	41.68	39.74	38.36	37.14	35.59
135.0	47.49	46.05	44.95	43.45	42.35	41.24	39.91	38.47	36.98
180.0	49.15	47.33	46.11	44.89	43.51	42.46	41.46	40.13	38.69
225.0	49.49	47.55	46.22	44.95	43.34	42.18	40.63	39.13	37.81
270.0	50.65	49.15	47.33	46.05	44.84	43.34	42.23	40.96	39.41
315.0	48.10	46.83	45.45	44.17	43.18	42.07	40.46	39.02	37.81
360.0	46.33	45.11	43.90	42.35	41.07	39.25	37.92	36.70	35.48
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	34.04	32.99	31.99	31.00	29.67	28.73	27.79	26.68	25.85
45.0	35.43	34.21	33.27	31.83	30.67	29.56	28.56	27.29	26.35
90.0	34.37	33.10	32.05	30.94	29.78	28.45	27.51	26.57	25.57
135.0	35.87	34.60	33.60	32.38	31.27	30.17	28.89	27.95	26.79
180.0	37.14	36.09	34.82	33.71	32.66	31.44	30.39	29.34	28.40
225.0	36.59	35.15	33.93	32.94	31.83	30.50	29.39	28.40	27.40
270.0	37.81	36.59	35.37	34.21	32.94	31.88	30.78	29.39	28.40
315.0	36.31	35.09	33.71	32.77	31.77	30.72	29.50	28.67	27.79
360.0	34.04	32.99	31.99	31.00	29.67	28.73	27.79	26.68	25.85
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.13	24.41	23.80	23.19	22.42	21.75	21.15	20.31	19.71
45.0	25.41	24.58	23.80	23.14	22.47	21.86	21.31	20.59	19.98
90.0	24.63	23.97	23.25	22.64	21.86	21.26	20.54	19.98	19.43
135.0	25.85	24.91	24.08	23.47	22.86	22.31	21.64	21.20	20.76
180.0	27.18	26.29	25.35	24.47	23.80	23.03	22.42	21.86	21.31
225.0	26.13	25.24	24.19	23.53	22.81	21.98	21.37	20.76	20.15
270.0	27.40	26.18	25.24	24.24	23.58	22.86	22.25	21.48	20.87
315.0	26.90	25.96	25.35	24.74	24.08	23.47	22.75	21.98	21.26
360.0	25.13	24.41	23.80	23.19	22.42	21.75	21.15	20.31	19.71
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.15	18.60	18.16	17.49	16.72	16.33	15.94	15.55	15.44
45.0	19.43	18.88	18.32	17.88	17.38	16.50	16.11	15.72	15.33
90.0	18.82	18.43	17.93	17.38	16.61	16.16	15.83	15.33	15.33
135.0	20.26	19.65	18.99	18.38	17.82	16.55	16.22	15.78	15.33
180.0	20.76	20.04	19.48	18.82	18.27	17.71	17.16	16.44	16.05
225.0	19.48	18.93	18.49	17.88	17.44	16.94	16.38	16.11	15.72
270.0	20.31	19.65	19.04	18.43	17.99	17.44	16.72	16.27	15.89
315.0	20.59	19.87	19.21	18.54	17.93	16.72	16.33	15.94	15.61
360.0	19.15	18.60	18.16	17.49	16.72	16.33	15.94	15.55	15.44

Intensity data(cd)

C/γ(°)	90.0
0.0	15.44
45.0	15.33
90.0	15.33
135.0	15.33
180.0	15.61
225.0	15.33
270.0	15.44
315.0	15.28
360.0	15.44