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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.412.00

Report No: 2024326-B007

Ballast type: AC

Test No: 2024326-C007

Voltage(V): 34.410

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.775

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3571.61, Efficiency(%): 84.44% , Luminous Efficacy(lm/W): 144.16

Central intensity(cd): 11474.270, Maximum intensity(cd): 11474.270

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.6

[C90/270]Total=24.6

Field angle(10%Imax): [C0/180]Total=61.4

[C90/270]Total=61.4

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

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(%): 84.44%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.133%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11474.272	0.000	0	0.00%	0.00%
1.0	11393.438	10.942	10.942	0.26%	0.31%
2.0	11155.179	32.364	43.306	0.77%	1.21%
3.0	10764.175	52.424	95.73	1.24%	2.68%
4.0	10330.158	70.609	166.339	1.67%	4.66%
5.0	9774.633	86.490	252.829	2.04%	7.08%
6.0	9199.942	99.716	352.545	2.36%	9.87%
7.0	8653.195	110.814	463.359	2.62%	12.97%
8.0	8058.753	119.604	582.964	2.83%	16.32%
9.0	7496.279	126.065	709.029	2.98%	19.85%
10.0	6931.975	130.570	839.599	3.09%	23.51%
11.0	6421.659	133.430	973.029	3.15%	27.24%
12.0	5871.914	134.386	1107.416	3.18%	31.01%
13.0	5409.293	133.880	1241.295	3.17%	34.75%
14.0	4968.985	132.841	1374.136	3.14%	38.47%
15.0	4540.234	130.547	1504.683	3.09%	42.13%
16.0	4185.953	127.863	1632.546	3.02%	45.71%
17.0	3842.500	125.025	1757.571	2.96%	49.21%
18.0	3544.986	121.804	1879.374	2.88%	52.62%
19.0	3263.346	118.451	1997.825	2.80%	55.94%
20.0	3027.501	115.140	2112.965	2.72%	59.16%
21.0	2814.991	112.188	2225.153	2.65%	62.30%
22.0	2599.335	108.803	2333.956	2.57%	65.35%
23.0	2421.500	105.351	2439.307	2.49%	68.30%
24.0	2243.006	101.983	2541.29	2.41%	71.15%
25.0	2077.973	98.250	2639.539	2.32%	73.90%
26.0	1915.866	94.275	2733.814	2.23%	76.54%
27.0	1757.270	89.864	2823.678	2.12%	79.06%
28.0	1549.734	83.726	2907.405	1.98%	81.40%
29.0	1332.550	75.409	2982.813	1.78%	83.51%
30.0	1246.405	69.631	3052.445	1.65%	85.46%
31.0	1100.625	65.314	3117.759	1.54%	87.29%
32.0	945.219	58.611	3176.37	1.39%	88.93%
33.0	795.409	51.280	3227.65	1.21%	90.37%
34.0	660.917	44.073	3271.722	1.04%	91.60%
35.0	543.147	37.394	3309.116	0.88%	92.65%
36.0	430.528	31.002	3340.118	0.73%	93.52%
37.0	345.670	25.315	3365.434	0.60%	94.23%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	276.234	20.758	3386.192	0.49%	94.81%
39.0	238.128	17.557	3403.748	0.42%	95.30%
40.0	183.417	14.702	3418.45	0.35%	95.71%
41.0	121.610	10.862	3429.312	0.26%	96.02%
42.0	97.133	7.947	3437.26	0.19%	96.24%
43.0	80.220	6.570	3443.829	0.16%	96.42%
44.0	67.886	5.590	3449.419	0.13%	96.58%
45.0	58.793	4.868	3454.288	0.12%	96.72%
46.0	52.422	4.349	3458.637	0.10%	96.84%
47.0	47.967	3.993	3462.63	0.09%	96.95%
48.0	44.250	3.728	3466.358	0.09%	97.05%
49.0	41.383	3.517	3469.874	0.08%	97.15%
50.0	38.947	3.349	3473.223	0.08%	97.25%
51.0	37.213	3.222	3476.445	0.08%	97.34%
52.0	35.787	3.132	3479.578	0.07%	97.42%
53.0	34.923	3.076	3482.654	0.07%	97.51%
54.0	34.419	3.056	3485.71	0.07%	97.60%
55.0	34.206	3.063	3488.773	0.07%	97.68%
56.0	34.323	3.097	3491.87	0.07%	97.77%
57.0	34.660	3.154	3495.024	0.07%	97.86%
58.0	35.121	3.227	3498.251	0.08%	97.95%
59.0	35.589	3.306	3501.557	0.08%	98.04%
60.0	35.787	3.372	3504.929	0.08%	98.13%
61.0	35.457	3.400	3508.329	0.08%	98.23%
62.0	34.484	3.370	3511.699	0.08%	98.32%
63.0	33.007	3.282	3514.981	0.08%	98.41%
64.0	30.951	3.138	3518.12	0.07%	98.50%
65.0	28.815	2.958	3521.078	0.07%	98.59%
66.0	26.752	2.772	3523.85	0.07%	98.66%
67.0	25.040	2.604	3526.454	0.06%	98.74%
68.0	23.694	2.469	3528.923	0.06%	98.80%
69.0	22.707	2.367	3531.29	0.06%	98.87%
70.0	21.990	2.296	3533.586	0.05%	98.94%
71.0	21.331	2.239	3535.825	0.05%	99.00%
72.0	20.775	2.189	3538.014	0.05%	99.06%
73.0	20.344	2.150	3540.164	0.05%	99.12%
74.0	19.963	2.119	3542.283	0.05%	99.18%
75.0	19.561	2.088	3544.372	0.05%	99.24%

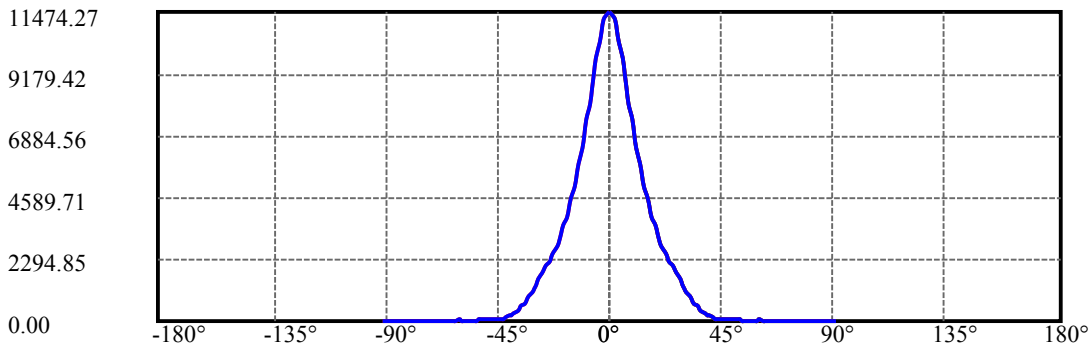
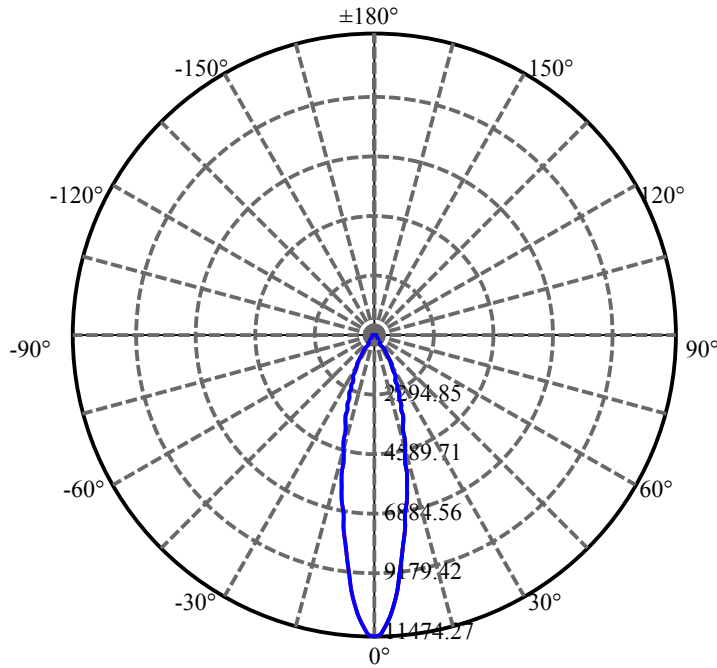
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.203	2.058	3546.43	0.05%	99.30%
77.0	18.859	2.029	3548.459	0.05%	99.35%
78.0	18.449	1.997	3550.456	0.05%	99.41%
79.0	18.047	1.961	3552.417	0.05%	99.46%
80.0	17.652	1.925	3554.341	0.05%	99.52%
81.0	17.213	1.885	3556.227	0.04%	99.57%
82.0	16.825	1.846	3558.073	0.04%	99.62%
83.0	16.423	1.807	3559.88	0.04%	99.67%
84.0	16.072	1.770	3561.65	0.04%	99.72%
85.0	15.728	1.736	3563.386	0.04%	99.77%
86.0	15.399	1.701	3565.087	0.04%	99.82%
87.0	15.077	1.668	3566.755	0.04%	99.86%
88.0	14.814	1.637	3568.393	0.04%	99.91%
89.0	14.631	1.614	3570.006	0.04%	99.96%
90.0	14.565	1.601	3571.607	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3052.44	72.16%	85.46%
0-40	3418.45	80.81%	95.71%
0-60	3504.93	82.86%	98.13%
0-90	3570.01	84.40%	99.96%
0-120	3570.01	84.40%	99.96%
0-180	3571.61	84.44%	100.00%
60-90	65.08	1.54%	1.82%
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%
0-27.40	2857.29	67.55%	80.00%

ZONAL LUMEN SUMMARY

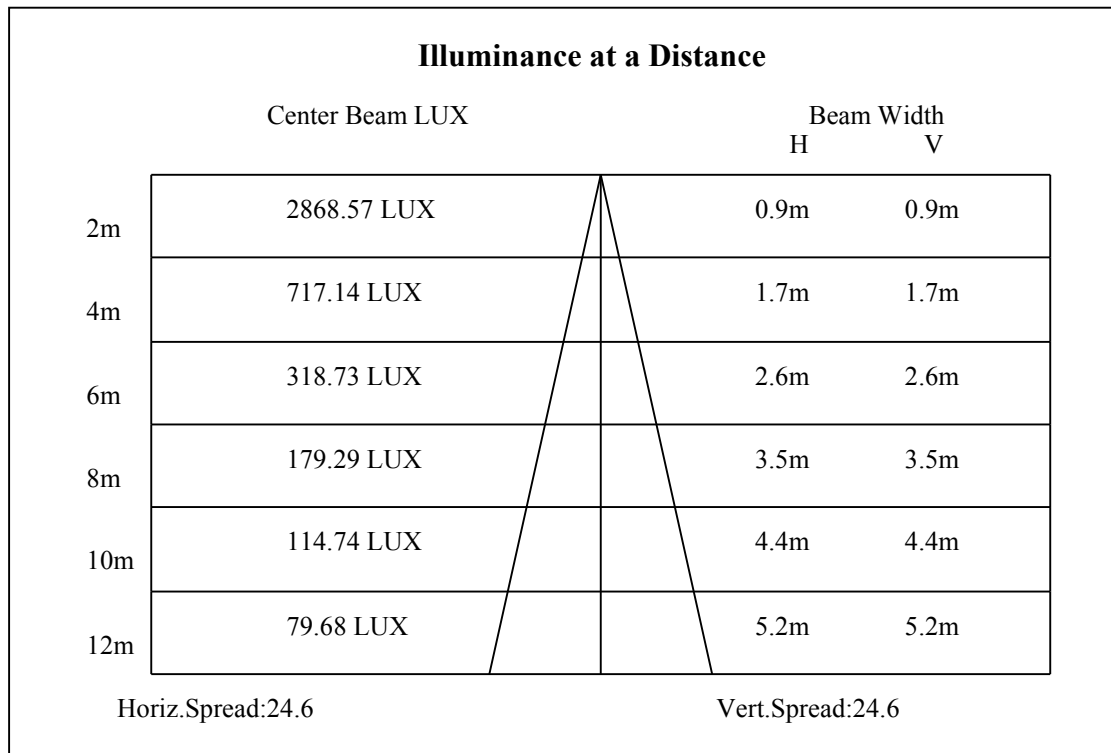
0-10	839.60
10-20	1273.37
20-30	939.48
30-40	366.01
40-50	54.77
50-60	31.71
60-70	28.66
70-80	20.76
80-90	15.66
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

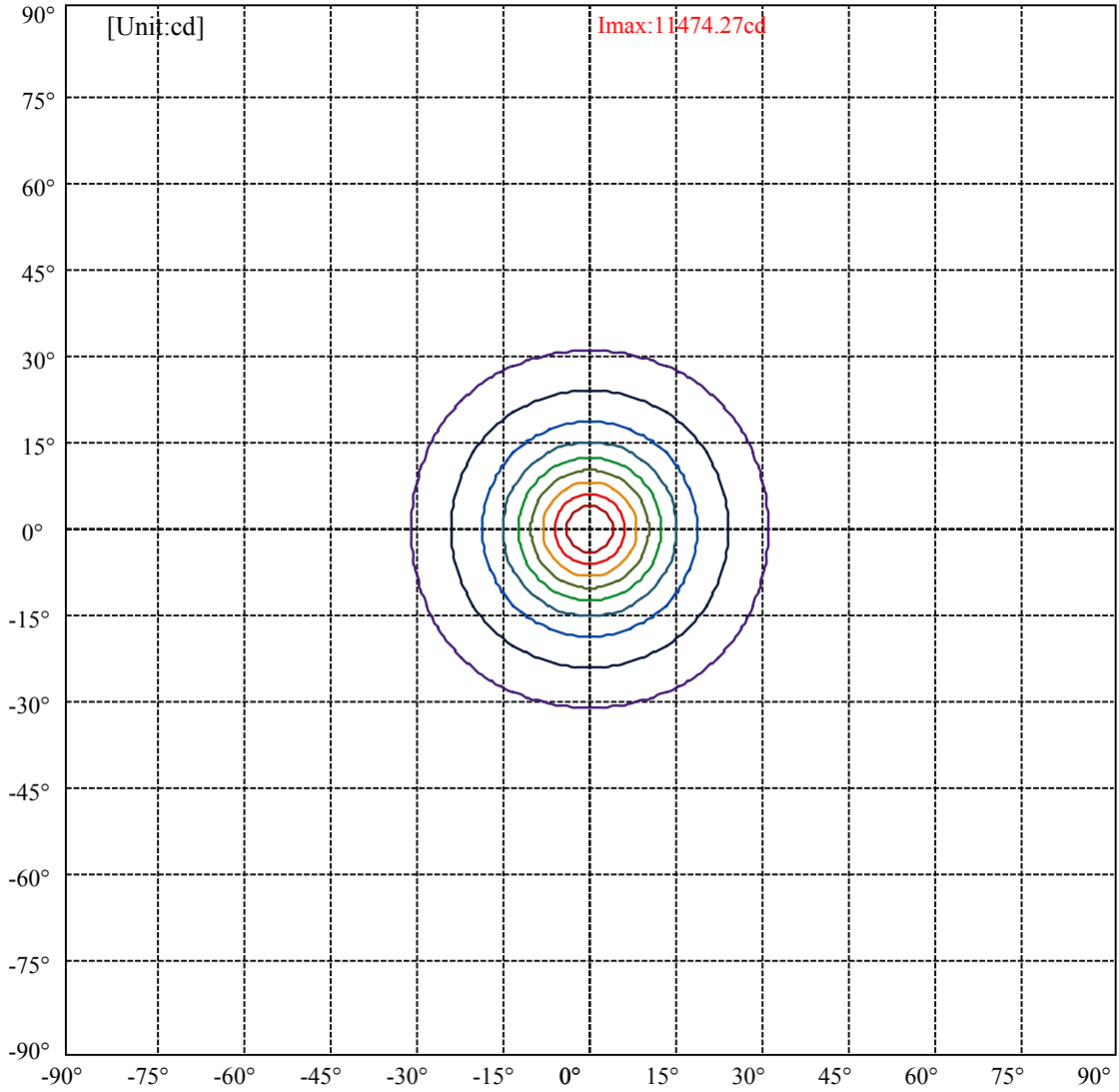


C0(Max): —————
C0/C180: —————
C90/C270: —————

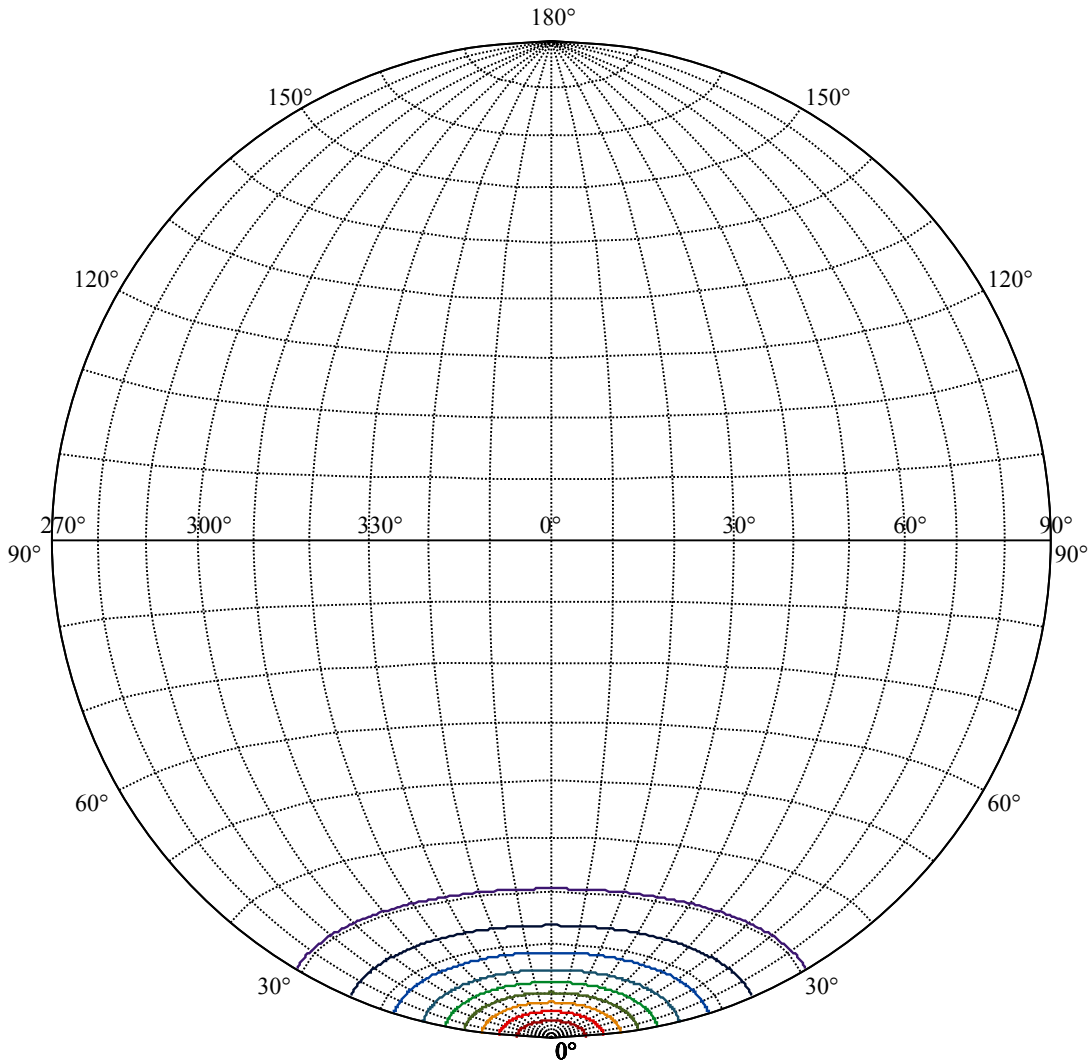
Field angle(10%Imax):C0/180Left:30.7 Right:30.7
:C90/270Left:30.7 Right:30.7

Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3
:C90/270Left:12.3 Right:12.3





(10%Imax) 1147.43	—
(20%Imax) 2294.85	—
(30%Imax) 3442.28	—
(40%Imax) 4589.71	—
(50%Imax) 5737.14	—
(60%Imax) 6884.56	—
(70%Imax) 8031.99	—
(80%Imax) 9179.42	—
(90%Imax) 10326.8	—



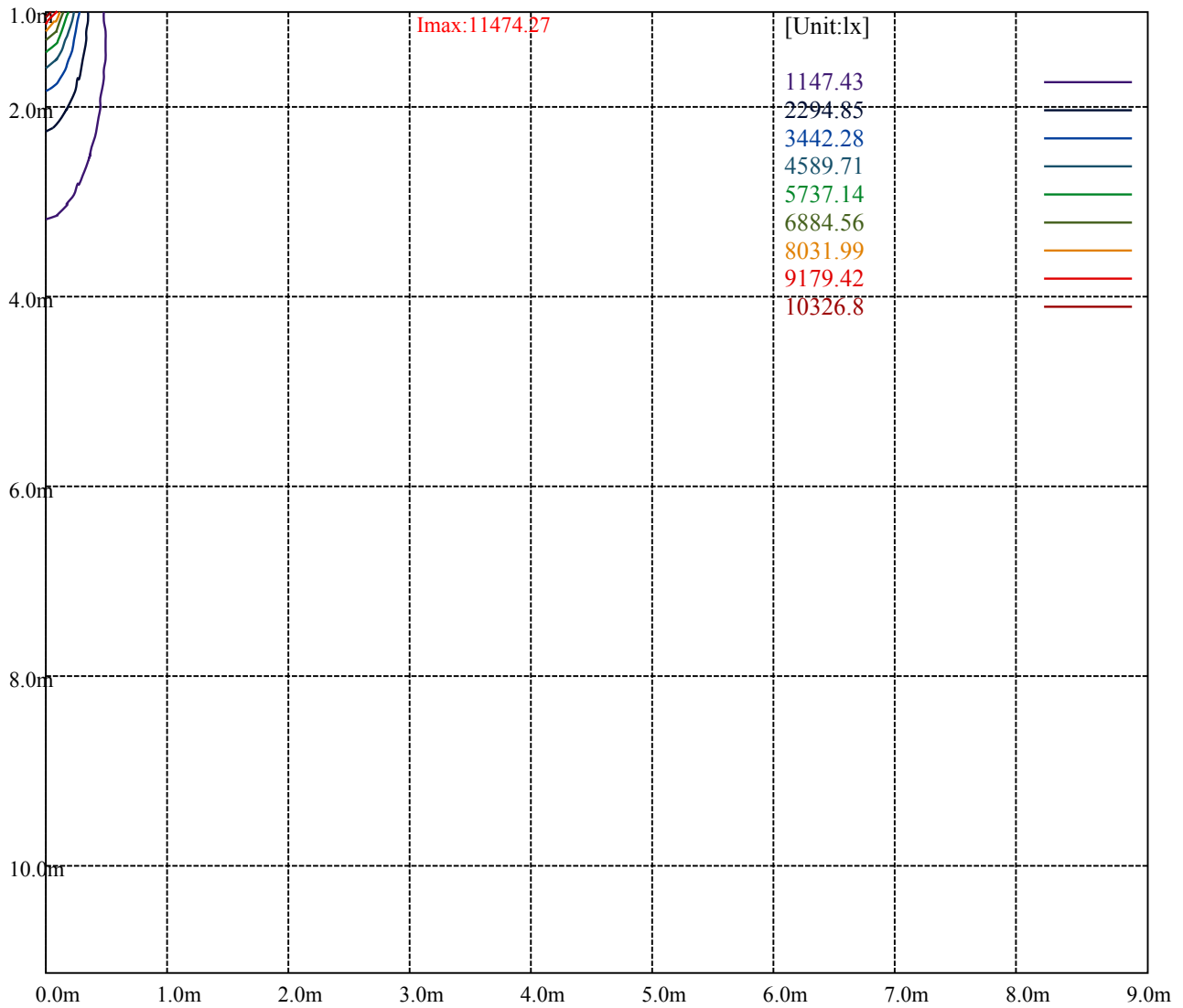
House

[Unit:cd]

Road

I_{max}:11474.27

(10%I _{max})	1147.43	—
(20%I _{max})	2294.85	—
(30%I _{max})	3442.28	—
(40%I _{max})	4589.71	—
(50%I _{max})	5737.14	—
(60%I _{max})	6884.56	—
(70%I _{max})	8031.99	—
(80%I _{max})	9179.42	—
(90%I _{max})	10326.8	—



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

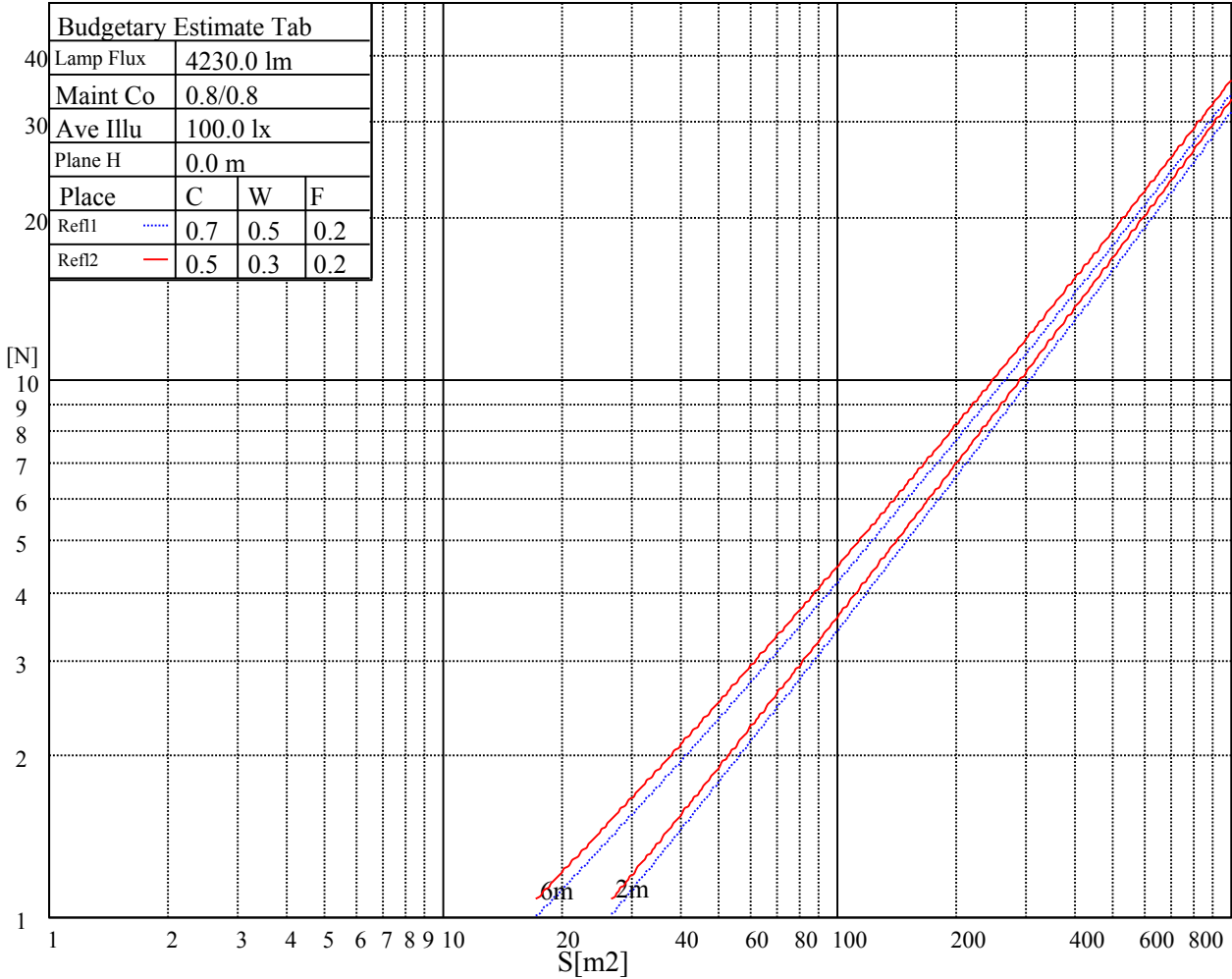
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

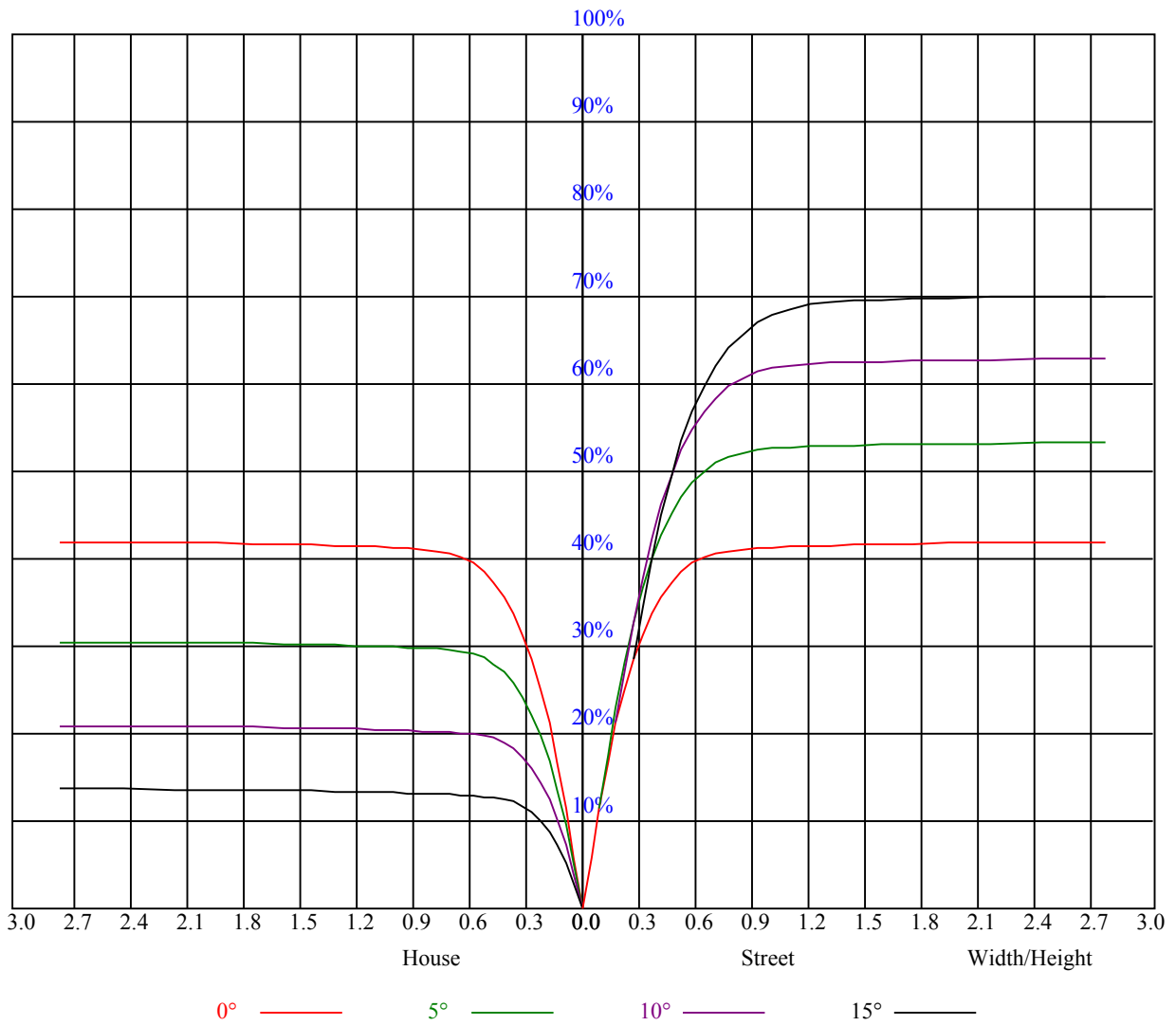


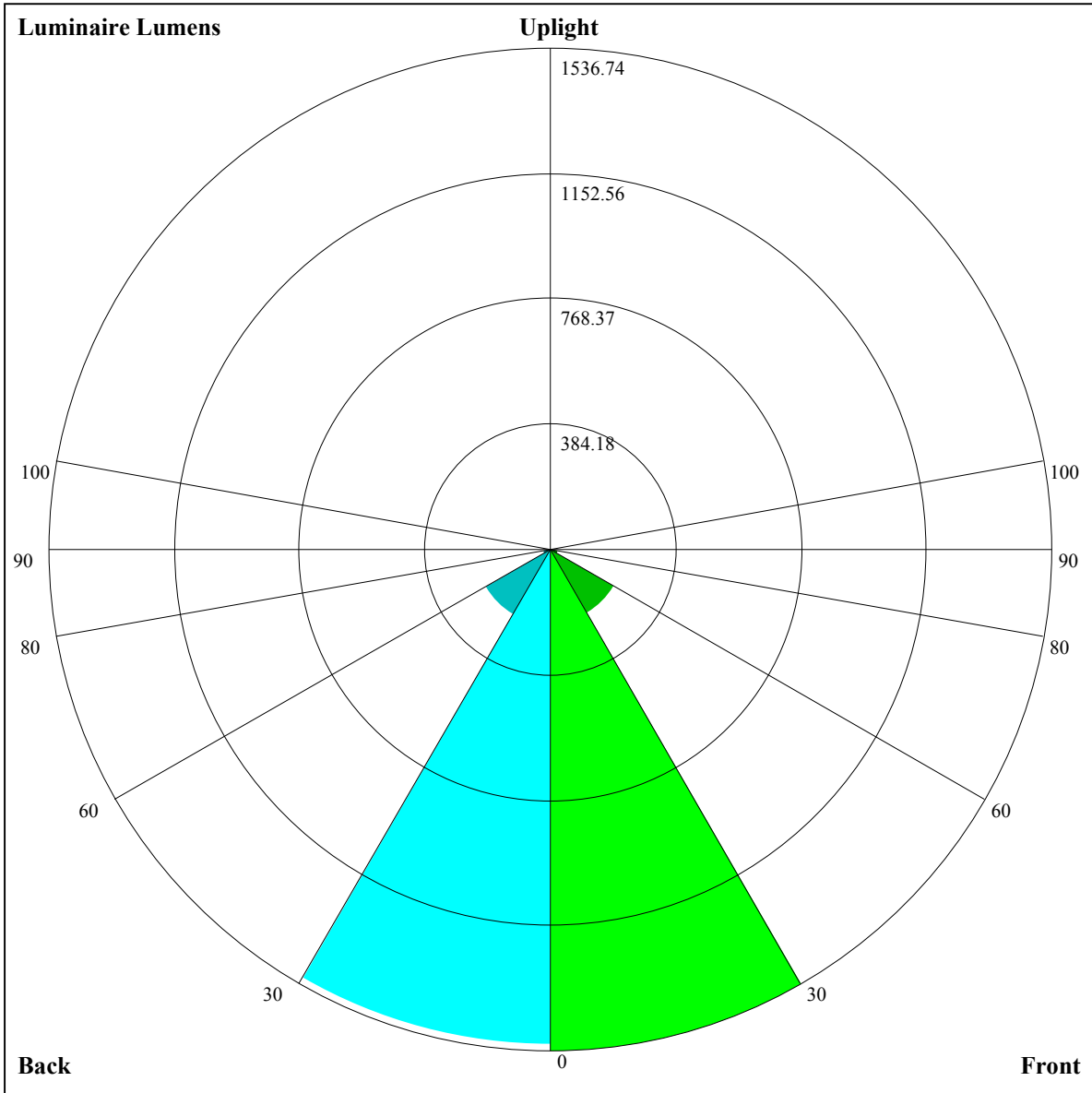
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.70	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.62
7	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.64	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=1536.74,FM=227.54,FH=24.79,FVH=8.66

BL=1516.78,BM=228.14,BH=24.64,BVH=8.64

UL=0,UH=0

BUG Rating:B3-U0-G0

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	11510.26	11417.21	11209.46	10798.63	10366.15	9735.86	9210.33	8666.66	8119.47
45.0	11438.87	11512.60	11425.99	11189.56	10815.02	10359.71	9737.03	9203.31	8658.46
90.0	11497.97	11318.90	10998.19	10590.88	10133.81	9632.28	8973.31	8429.05	7897.08
135.0	11449.99	11472.22	11302.51	10876.47	10458.61	9991.60	9477.78	8945.22	8279.24
180.0	11510.26	11431.84	11185.46	10809.16	10373.17	9770.98	9246.03	8687.72	8142.29
225.0	11438.87	11229.94	10776.98	10325.77	9835.35	9168.19	8611.64	8052.17	7379.75
270.0	11497.97	11469.88	11311.29	10952.54	10546.98	9935.42	9416.33	8869.14	8171.56
315.0	11449.99	11294.90	11031.55	10570.39	10112.16	9603.02	8927.08	8372.29	7822.18
360.0	11510.26	11417.21	11209.46	10798.63	10366.15	9735.86	9210.33	8666.66	8119.47
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7435.34	6908.05	6415.29	5928.39	5367.74	4948.72	4566.57	4218.95	3824.50
45.0	8109.52	7443.54	6949.61	6336.87	5861.67	5418.66	4902.49	4529.11	4183.25
90.0	7386.18	6754.73	6254.36	5678.50	5247.19	4854.50	4398.61	4071.47	3777.10
135.0	7767.16	7264.46	6749.46	6141.41	5679.08	5245.43	4740.38	4372.27	3966.71
180.0	7499.72	6984.72	6470.31	5871.04	5409.88	4886.69	4514.48	4176.81	3866.05
225.0	6870.60	6373.16	5783.25	5343.16	4928.24	4552.52	4121.21	3814.56	3533.06
270.0	7628.47	7097.67	6600.23	5991.59	5536.29	5108.49	4707.61	4264.01	3934.53
315.0	7273.23	6629.49	6150.77	5684.35	5244.26	4736.87	4370.52	4040.45	3654.79
360.0	7435.34	6908.05	6415.29	5928.39	5367.74	4948.72	4566.57	4218.95	3824.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3548.86	3235.18	3007.53	2798.60	2559.25	2383.09	2217.48	2023.18	1870.44
45.0	3870.74	3529.55	3285.51	3059.61	2856.54	2665.76	2447.47	2281.27	2125.60
90.0	3452.89	3223.48	3012.21	2817.92	2586.75	2418.21	2258.44	2103.36	1917.26
135.0	3685.81	3434.16	3149.15	2943.16	2752.96	2577.39	2370.22	2217.48	2061.22
180.0	3513.75	3262.10	3051.42	2853.62	2599.63	2429.91	2275.41	2112.14	1931.30
225.0	3277.90	2991.73	2781.05	2540.52	2369.63	2210.45	2018.50	1868.68	1720.62
270.0	3629.62	3356.32	3075.42	2850.10	2597.87	2422.89	2249.66	2059.47	1897.36
315.0	3380.32	3074.25	2857.71	2656.39	2472.05	2264.29	2106.87	1958.22	1803.14
360.0	3548.86	3235.18	3007.53	2798.60	2559.25	2383.09	2217.48	2023.18	1870.44
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1718.28	1566.12	1145.52	1145.52	1072.66	927.58	756.29	631.81	499.08
45.0	1929.55	1779.14	1591.87	1442.64	1293.99	1107.89	963.92	823.47	693.55
90.0	1766.27	1615.86	1163.72	1163.72	1088.75	940.81	799.07	668.56	526.06
135.0	1914.91	1723.55	1581.92	1430.35	1240.15	1089.75	943.44	771.97	648.49
180.0	1781.48	1606.50	1460.78	1305.70	1106.13	952.80	814.11	651.41	543.73
225.0	1575.48	1154.71	1154.71	1079.45	934.02	762.55	639.18	530.97	435.00
270.0	1755.73	1604.75	1409.87	1251.85	1100.87	952.80	778.41	652.00	541.39
315.0	1616.45	1347.25	1152.02	1152.02	968.43	827.57	668.85	557.13	457.88
360.0	1718.28	1566.12	1145.52	1145.52	1072.66	927.58	756.29	631.81	499.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	406.97	326.56	242.99	190.20	150.11	119.27	91.82	76.72	66.01
45.0	550.17	447.76	356.46	295.60	295.60	152.04	119.33	95.98	76.25
90.0	426.75	340.84	267.74	195.76	154.09	122.49	99.61	79.30	68.12
135.0	513.89	416.15	331.30	311.98	311.98	147.42	117.92	95.86	79.47
180.0	447.76	361.14	304.38	304.38	163.86	129.28	99.02	81.99	69.58
225.0	330.30	260.83	192.36	151.05	119.56	92.41	77.48	66.95	59.34
270.0	419.08	335.39	297.94	297.94	148.71	111.02	90.53	76.02	65.78
315.0	349.32	276.69	216.71	158.13	123.42	98.96	81.35	68.94	58.52
360.0	406.97	326.56	242.99	190.20	150.11	119.27	91.82	76.72	66.01

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	58.35	51.27	47.05	43.77	41.14	38.39	36.69	35.41	34.29
45.0	65.90	56.94	51.73	47.64	43.60	41.02	38.98	36.93	35.76
90.0	58.35	52.73	48.46	44.42	41.79	39.62	37.92	36.34	35.58
135.0	65.31	57.64	51.97	46.76	43.48	40.32	38.33	36.87	35.82
180.0	60.63	52.85	48.34	44.07	41.38	39.27	37.28	36.11	35.23
225.0	52.44	48.28	44.95	42.19	39.50	37.81	36.52	35.41	34.94
270.0	56.77	51.62	47.52	44.24	41.55	38.86	37.10	35.58	34.65
315.0	52.61	48.05	43.72	40.91	38.62	36.28	34.88	33.65	33.12
360.0	58.35	51.27	47.05	43.77	41.14	38.39	36.69	35.41	34.29
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.83	33.53	33.65	34.06	34.59	35.35	35.70	35.52	34.94
45.0	34.88	34.35	34.06	34.18	34.59	35.00	35.76	36.11	35.87
90.0	35.11	34.88	35.05	35.41	35.87	36.40	36.46	35.99	34.65
135.0	35.00	34.70	34.76	34.94	35.41	35.87	36.17	36.05	35.11
180.0	34.82	34.59	34.76	35.05	35.35	35.87	35.93	35.52	34.35
225.0	34.65	34.70	35.00	35.35	35.64	35.76	35.35	34.29	32.77
270.0	34.18	34.00	34.06	34.41	35.00	35.41	35.70	35.46	34.59
315.0	32.89	32.89	33.24	33.88	34.53	35.05	35.23	34.70	33.59
360.0	33.83	33.53	33.65	34.06	34.59	35.35	35.70	35.52	34.94
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.24	31.43	29.38	27.21	25.05	23.70	22.47	21.77	21.24
45.0	35.11	33.53	31.37	29.20	27.10	25.34	23.76	22.82	22.12
90.0	33.01	30.61	28.44	26.45	24.93	23.47	22.59	21.89	21.36
135.0	33.83	31.60	29.55	27.56	25.28	23.94	22.88	21.95	21.30
180.0	32.77	30.43	28.38	26.45	24.99	23.53	22.59	21.89	21.36
225.0	31.02	29.09	26.69	25.22	24.05	23.00	23.06	22.47	21.36
270.0	33.12	31.43	29.38	26.86	25.22	23.99	22.71	22.06	21.36
315.0	31.95	29.50	27.33	25.05	23.70	22.59	21.59	21.07	20.54
360.0	33.24	31.43	29.38	27.21	25.05	23.70	22.47	21.77	21.24
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.60	20.19	19.84	19.43	19.08	18.73	18.38	17.91	17.50
45.0	21.54	21.01	20.60	20.19	19.72	19.37	19.08	18.61	18.26
90.0	20.78	20.37	20.01	19.61	19.20	18.90	18.38	18.02	17.67
135.0	20.78	20.31	19.84	19.43	19.14	18.84	18.38	18.02	17.62
180.0	20.78	20.37	20.01	19.61	19.25	18.90	18.43	18.08	17.67
225.0	20.72	20.31	19.90	19.55	19.20	18.84	18.38	17.97	17.56
270.0	20.89	20.54	20.19	19.72	19.43	19.08	18.73	18.26	17.91
315.0	20.13	19.66	19.31	18.96	18.61	18.20	17.85	17.50	17.03
360.0	20.60	20.19	19.84	19.43	19.08	18.73	18.38	17.91	17.50
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.15	16.68	16.39	16.04	15.68	15.51	15.10	14.86	14.63
45.0	17.73	17.26	16.74	16.39	16.04	15.80	15.39	15.10	14.81
90.0	17.21	16.85	16.44	16.04	15.74	15.33	15.04	14.81	14.63
135.0	17.15	16.80	16.39	16.04	15.74	15.39	15.16	14.86	14.69
180.0	17.21	16.85	16.39	16.09	15.68	15.27	15.04	14.75	14.57
225.0	17.09	16.68	16.33	15.92	15.45	15.22	14.86	14.63	14.57
270.0	17.50	17.09	16.68	16.27	15.92	15.45	15.10	14.81	14.63
315.0	16.68	16.39	16.04	15.80	15.57	15.22	14.92	14.69	14.51
360.0	17.15	16.68	16.39	16.04	15.68	15.51	15.10	14.86	14.63

Intensity data(cd)

C/ γ (°)	90.0
0.0	14.57
45.0	14.63
90.0	14.57
135.0	14.57
180.0	14.51
225.0	14.57
270.0	14.57
315.0	14.51
360.0	14.57