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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.411.00

Report No: 2024403-B009

Ballast type: AC

Test No: 2024403-C009

Voltage(V): 34.380

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.871

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2840.79, Efficiency(%): 82.63% , Luminous Efficacy(lm/W): 142.96

Central intensity(cd): 5137.018, Maximum intensity(cd): 5137.018

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=44.0

[C90/270]Total=44.0

Field angle(10%Imax): [C0/180]Total=68.0

[C90/270]Total=68.0

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.70 C90_270=0.70

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.63%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.735%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/03
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	5137.017	0.000	0	0.00%	0.00%
1.0	5134.164	4.915	4.915	0.14%	0.17%
2.0	5118.875	14.716	19.631	0.43%	0.69%
3.0	5088.883	24.414	44.044	0.71%	1.55%
4.0	5046.015	33.925	77.969	0.99%	2.74%
5.0	4983.396	43.146	121.115	1.25%	4.26%
6.0	4914.266	52.015	173.13	1.51%	6.09%
7.0	4833.285	60.503	233.633	1.76%	8.22%
8.0	4740.381	68.517	302.15	1.99%	10.64%
9.0	4633.431	75.970	378.119	2.21%	13.31%
10.0	4524.726	82.878	460.997	2.41%	16.23%
11.0	4405.559	89.232	550.229	2.60%	19.37%
12.0	4282.442	94.972	645.202	2.76%	22.71%
13.0	4135.112	99.895	745.097	2.91%	26.23%
14.0	3988.660	103.984	849.08	3.02%	29.89%
15.0	3835.111	107.408	956.488	3.12%	33.67%
16.0	3677.393	110.079	1066.568	3.20%	37.54%
17.0	3499.265	111.760	1178.328	3.25%	41.48%
18.0	3328.014	112.567	1290.895	3.27%	45.44%
19.0	3144.546	112.609	1403.504	3.28%	49.41%
20.0	2958.517	111.703	1515.207	3.25%	53.34%
21.0	2753.030	109.673	1624.88	3.19%	57.20%
22.0	2571.683	107.002	1731.882	3.11%	60.96%
23.0	2385.801	104.021	1835.904	3.03%	64.63%
24.0	2198.310	100.225	1936.129	2.92%	68.15%
25.0	2011.696	95.726	2031.855	2.78%	71.52%
26.0	1821.352	90.480	2122.335	2.63%	74.71%
27.0	1581.293	83.246	2205.581	2.42%	77.64%
28.0	1365.747	74.613	2280.194	2.17%	80.27%
29.0	1231.365	67.948	2348.142	1.98%	82.66%
30.0	1082.674	62.479	2410.62	1.82%	84.86%
31.0	924.582	55.859	2466.479	1.62%	86.82%
32.0	774.735	48.683	2515.163	1.42%	88.54%
33.0	634.084	41.504	2556.667	1.21%	90.00%
34.0	513.315	34.724	2591.391	1.01%	91.22%
35.0	406.344	28.561	2619.952	0.83%	92.23%
36.0	319.913	23.124	2643.076	0.67%	93.04%
37.0	261.888	18.975	2662.051	0.55%	93.71%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	219.562	16.070	2678.122	0.47%	94.27%
39.0	146.394	12.491	2690.613	0.36%	94.71%
40.0	111.749	9.003	2699.616	0.26%	95.03%
41.0	89.627	7.171	2706.787	0.21%	95.28%
42.0	74.580	5.966	2712.753	0.17%	95.49%
43.0	64.631	5.157	2717.909	0.15%	95.67%
44.0	57.857	4.623	2722.532	0.13%	95.84%
45.0	53.131	4.265	2726.798	0.12%	95.99%
46.0	49.195	4.002	2730.8	0.12%	96.13%
47.0	46.372	3.801	2734.601	0.11%	96.26%
48.0	44.119	3.658	2738.259	0.11%	96.39%
49.0	42.202	3.545	2741.803	0.10%	96.52%
50.0	40.585	3.452	2745.255	0.10%	96.64%
51.0	39.078	3.370	2748.626	0.10%	96.76%
52.0	37.864	3.302	2751.927	0.10%	96.87%
53.0	36.737	3.245	2755.172	0.09%	96.99%
54.0	35.684	3.192	2758.364	0.09%	97.10%
55.0	34.653	3.140	2761.504	0.09%	97.21%
56.0	33.665	3.087	2764.591	0.09%	97.32%
57.0	32.729	3.036	2767.627	0.09%	97.42%
58.0	31.844	2.986	2770.613	0.09%	97.53%
59.0	30.988	2.937	2773.55	0.09%	97.63%
60.0	30.132	2.887	2776.438	0.08%	97.73%
61.0	29.349	2.839	2779.276	0.08%	97.83%
62.0	28.530	2.789	2782.065	0.08%	97.93%
63.0	27.747	2.737	2784.802	0.08%	98.03%
64.0	26.994	2.686	2787.488	0.08%	98.12%
65.0	26.247	2.635	2790.123	0.08%	98.22%
66.0	25.516	2.583	2792.706	0.08%	98.31%
67.0	24.879	2.534	2795.24	0.07%	98.40%
68.0	24.433	2.498	2797.738	0.07%	98.48%
69.0	24.104	2.476	2800.214	0.07%	98.57%
70.0	23.797	2.460	2802.674	0.07%	98.66%
71.0	23.314	2.435	2805.109	0.07%	98.74%
72.0	22.868	2.401	2807.51	0.07%	98.83%
73.0	22.473	2.371	2809.881	0.07%	98.91%
74.0	22.063	2.341	2812.223	0.07%	98.99%
75.0	21.580	2.306	2814.529	0.07%	99.08%

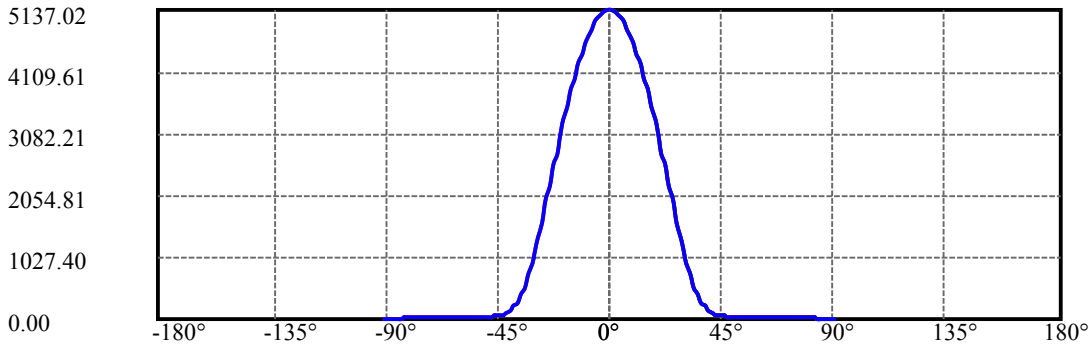
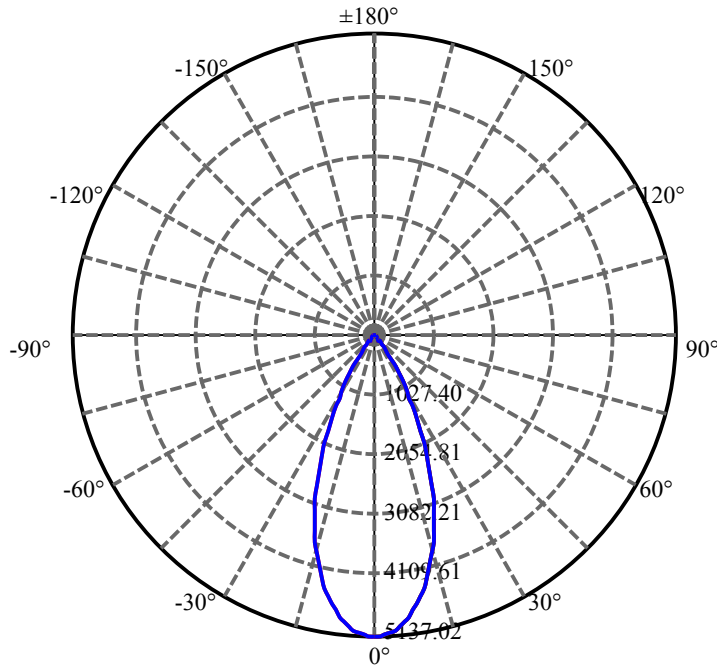
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.134	2.267	2816.796	0.07%	99.16%
77.0	20.468	2.218	2819.014	0.06%	99.23%
78.0	19.817	2.157	2821.171	0.06%	99.31%
79.0	18.991	2.085	2823.256	0.06%	99.38%
80.0	18.186	2.004	2825.26	0.06%	99.45%
81.0	17.176	1.912	2827.172	0.06%	99.52%
82.0	16.350	1.818	2828.99	0.05%	99.58%
83.0	15.611	1.737	2830.728	0.05%	99.65%
84.0	14.696	1.651	2832.379	0.05%	99.70%
85.0	13.628	1.546	2833.925	0.04%	99.76%
86.0	12.919	1.451	2835.376	0.04%	99.81%
87.0	12.524	1.392	2836.768	0.04%	99.86%
88.0	12.282	1.359	2838.127	0.04%	99.91%
89.0	12.085	1.336	2839.463	0.04%	99.95%
90.0	12.034	1.322	2840.785	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2410.62	70.12%	84.86%
0-40	2699.62	78.52%	95.03%
0-60	2776.44	80.76%	97.73%
0-90	2839.46	82.59%	99.95%
0-120	2839.46	82.59%	99.95%
0-180	2840.79	82.63%	100.00%
60-90	63.03	1.83%	2.22%
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%
0-27.90	2272.63	66.10%	80.00%

ZONAL LUMEN SUMMARY

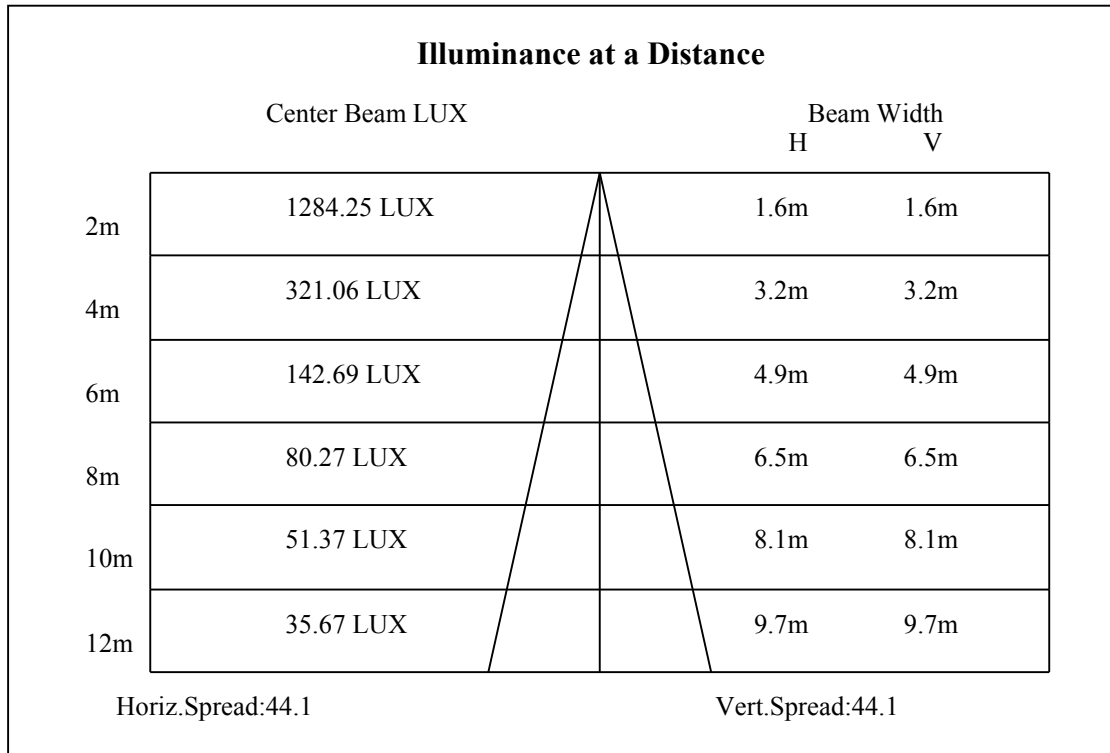
0-10	461.00
10-20	1054.21
20-30	895.41
30-40	289.00
40-50	45.64
50-60	31.18
60-70	26.24
70-80	22.59
80-90	14.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

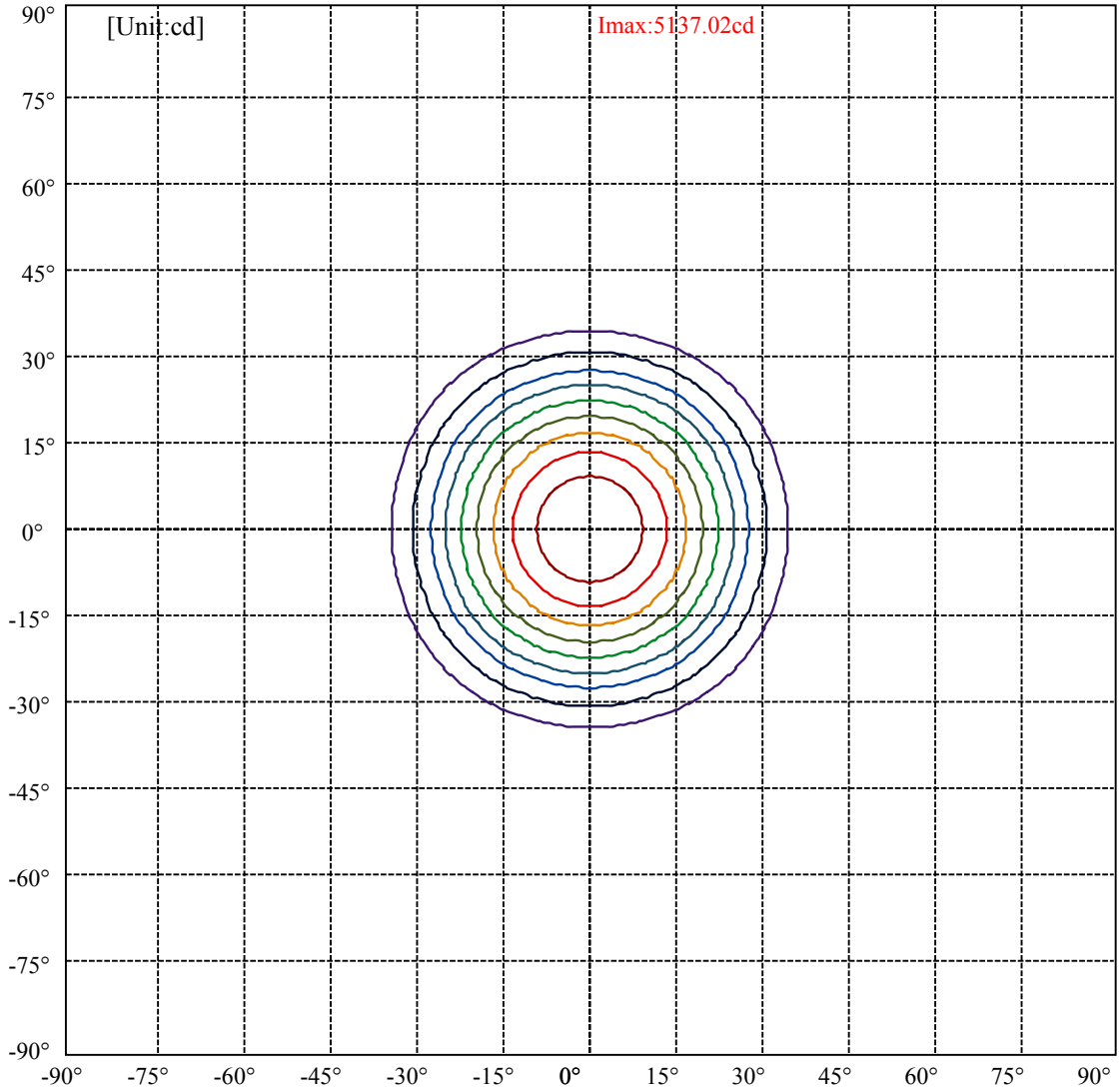


C0(Max): —————
C0/C180: —————
C90/C270: —————

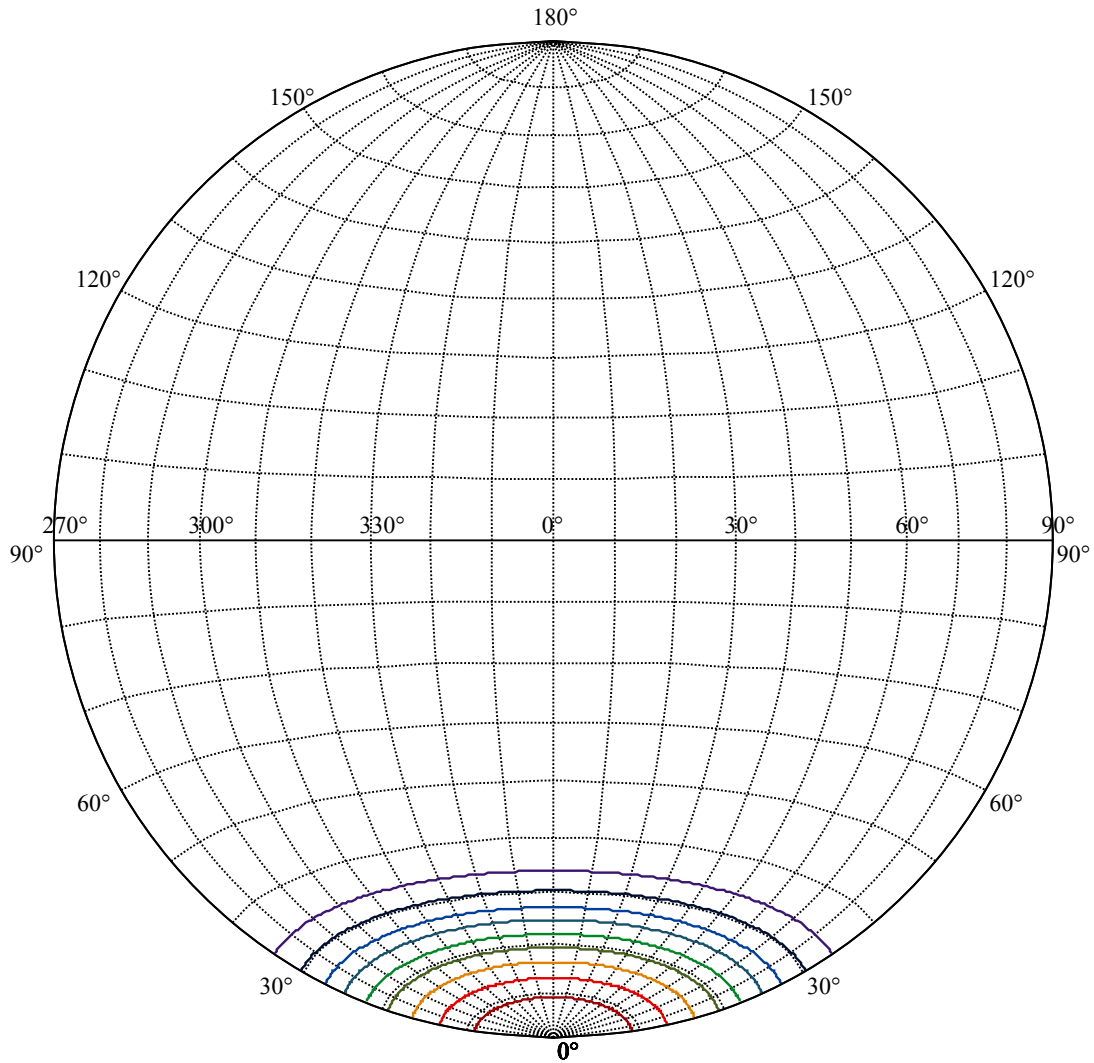
Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:22.0 Right:22.0
:C90/270Left:22.0 Right:22.0





(10%Imax) 513.702	—
(20%Imax) 1027.4	—
(30%Imax) 1541.11	—
(40%Imax) 2054.81	—
(50%Imax) 2568.51	—
(60%Imax) 3082.21	—
(70%Imax) 3595.91	—
(80%Imax) 4109.61	—
(90%Imax) 4623.32	—



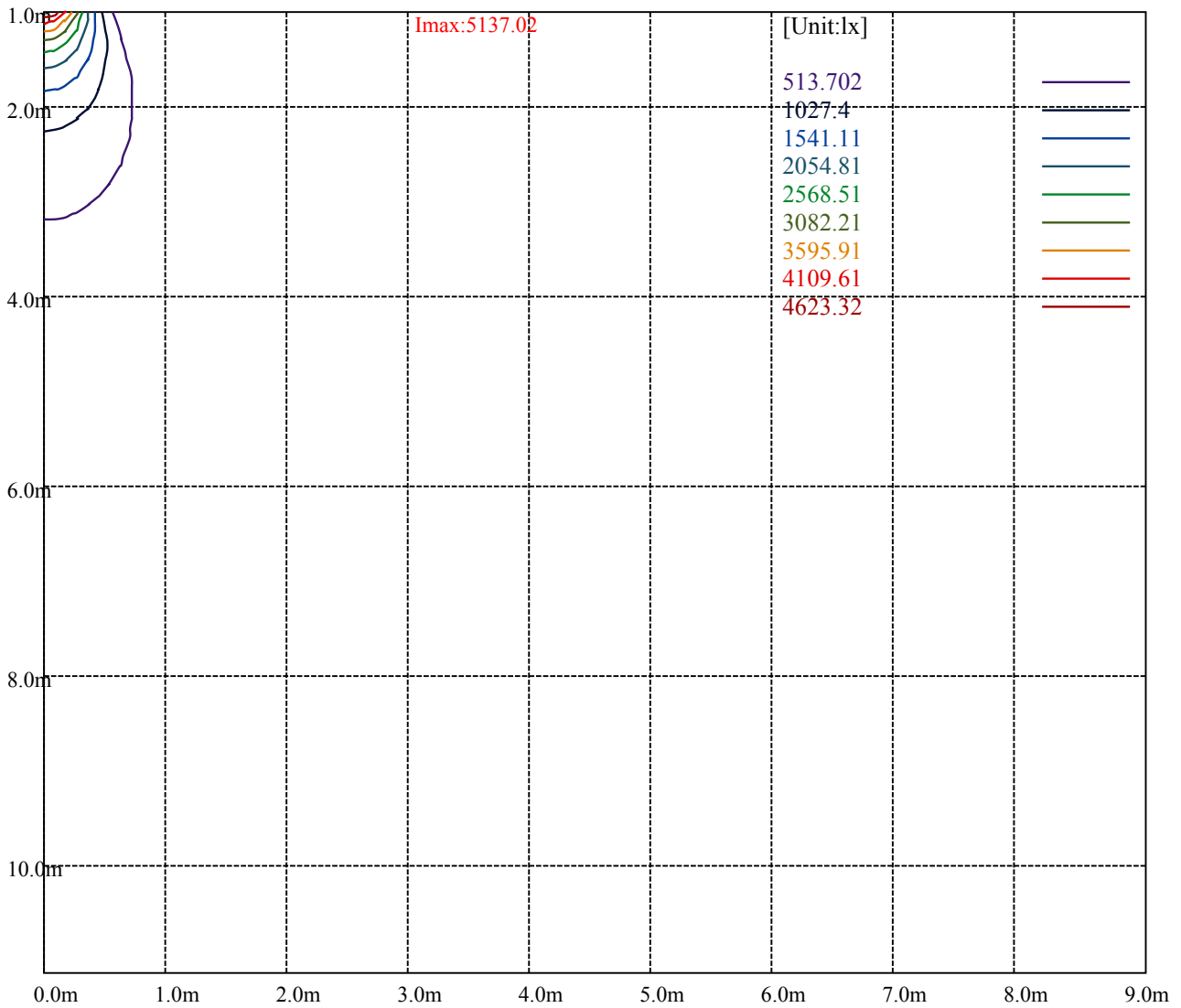
House

[Unit:cd]

Road

Imax:5137.02

(10%Imax)	513.702	—
(20%Imax)	1027.4	—
(30%Imax)	1541.11	—
(40%Imax)	2054.81	—
(50%Imax)	2568.51	—
(60%Imax)	3082.21	—
(70%Imax)	3595.91	—
(80%Imax)	4109.61	—
(90%Imax)	4623.32	—



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

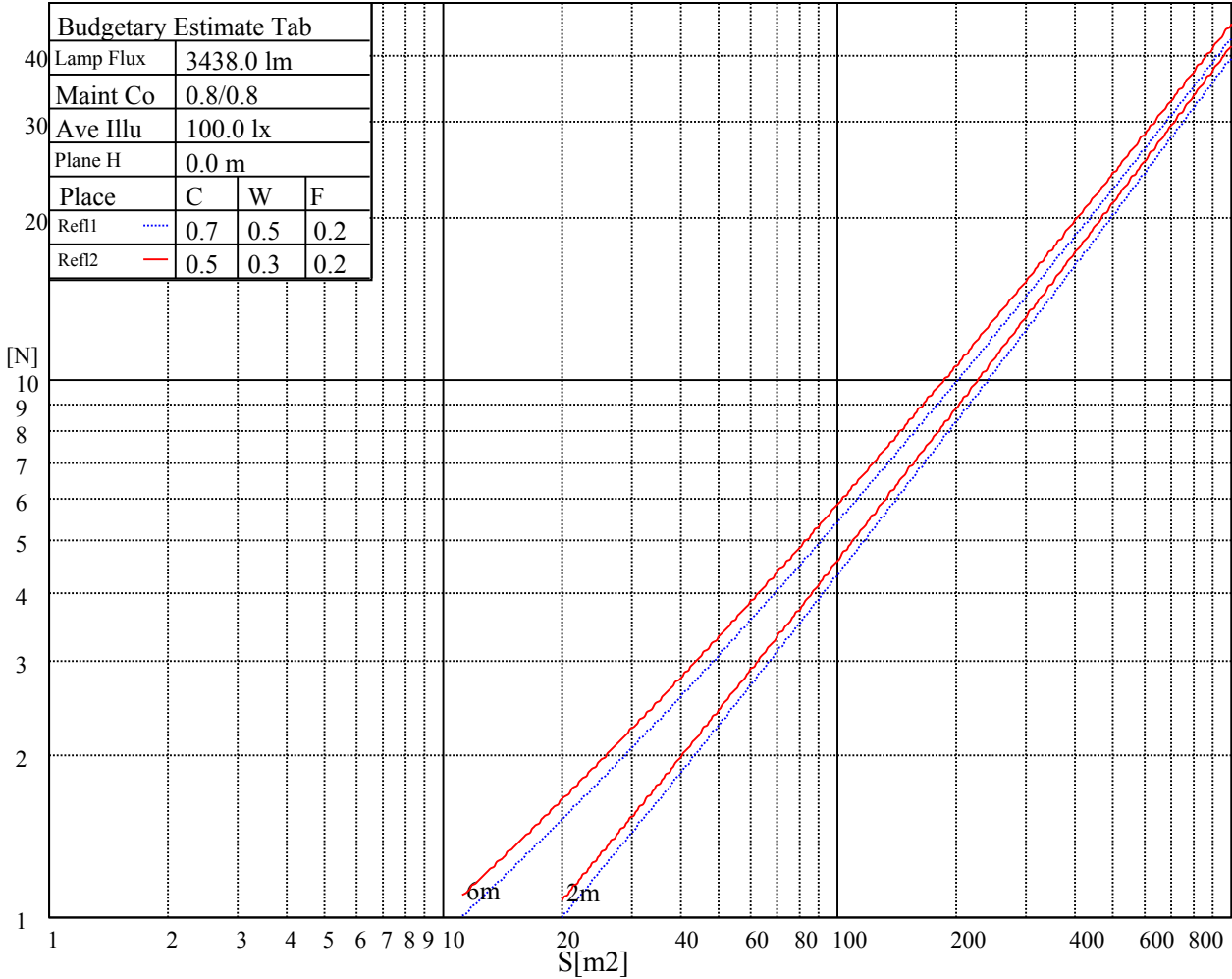
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

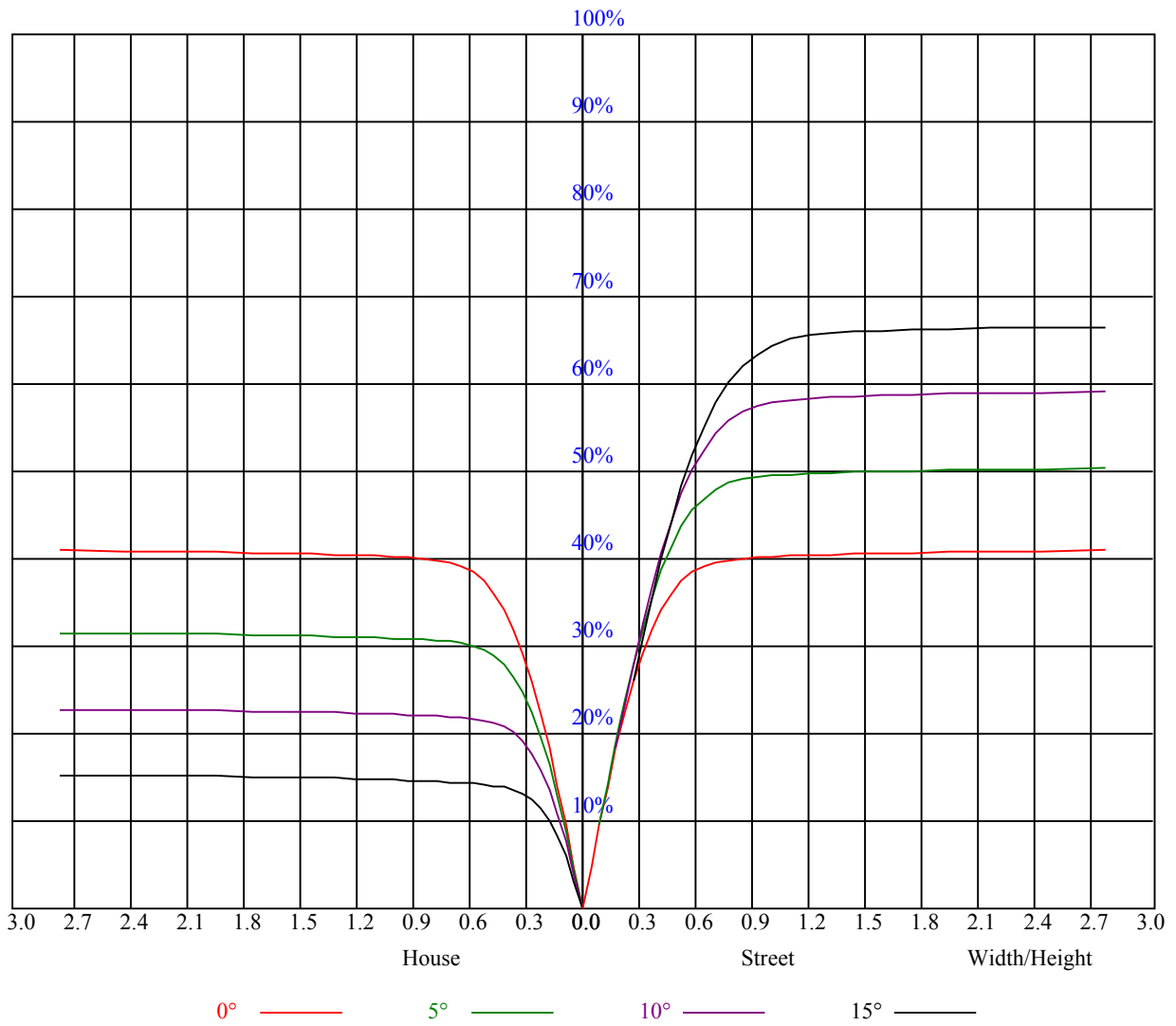


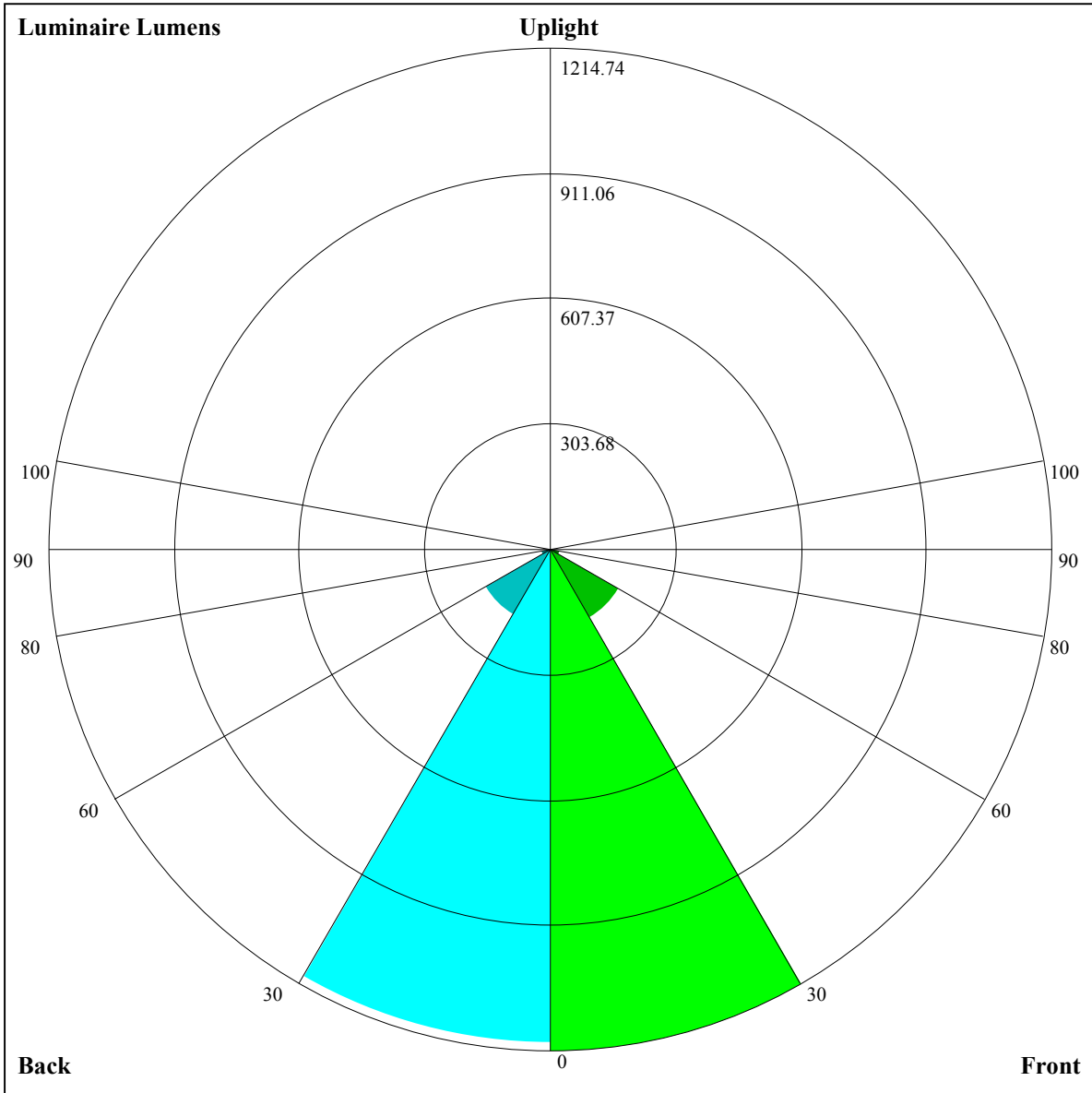
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.56	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.55	0.52	0.49	0.48





Luminaire Lumens:

FL=1214.74,FM=189.78,FH=23.8,FVH=7.77

BL=1193.29,BM=180.63,BH=24.64,BVH=7.76

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	5141.85	5138.92	5123.70	5091.52	5053.48	4986.76	4918.87	4842.80	4756.77
45.0	5135.99	5142.43	5134.82	5123.70	5086.83	5035.92	4977.40	4891.95	4813.53
90.0	5142.43	5134.24	5109.66	5066.35	5011.93	4927.07	4851.57	4766.13	4671.91
135.0	5127.80	5134.24	5124.29	5094.44	5052.31	4994.95	4930.58	4846.31	4750.92
180.0	5141.85	5141.85	5125.46	5093.27	5055.82	4980.91	4914.78	4832.85	4744.48
225.0	5135.99	5123.70	5101.46	5059.91	4998.47	4936.43	4855.09	4771.40	4653.18
270.0	5142.43	5139.50	5133.07	5108.49	5083.91	5028.31	4973.89	4903.66	4805.93
315.0	5127.80	5118.44	5098.54	5073.37	5025.39	4976.81	4891.95	4811.19	4726.34
360.0	5141.85	5138.92	5123.70	5091.52	5053.48	4986.76	4918.87	4842.80	4756.77
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4634.46	4532.04	4416.17	4297.95	4169.20	3999.49	3860.20	3671.17	3514.92
45.0	4701.76	4605.19	4501.02	4388.66	4229.48	4104.83	3968.47	3823.33	3634.31
90.0	4546.09	4437.23	4314.92	4194.95	4025.24	3887.71	3706.87	3562.91	3404.31
135.0	4656.69	4556.04	4423.19	4307.90	4180.32	4012.36	3869.57	3720.33	3532.48
180.0	4629.19	4522.68	4410.31	4288.00	4125.31	3996.56	3804.61	3656.54	3469.27
225.0	4550.77	4437.82	4285.66	4159.84	3991.29	3848.50	3694.58	3540.67	3335.84
270.0	4721.65	4618.65	4514.48	4366.42	4242.35	4114.78	3969.64	3788.81	3647.18
315.0	4626.85	4488.15	4378.71	4255.81	4117.70	3945.06	3806.95	3655.37	3455.81
360.0	4634.46	4532.04	4416.17	4297.95	4169.20	3999.49	3860.20	3671.17	3514.92
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3359.25	3146.81	2969.49	2750.62	2575.63	2399.48	2220.40	2043.08	1827.13
45.0	3478.05	3317.11	3149.15	2934.96	2757.64	2541.69	2359.10	2181.19	1955.88
90.0	3188.95	3014.55	2836.64	2658.15	2433.42	2254.93	2076.44	1898.53	1681.41
135.0	3363.93	3192.46	2977.10	2800.95	2622.45	2437.52	2219.23	2045.42	1869.27
180.0	3294.88	3111.11	2936.72	2711.99	2534.67	2360.27	2191.73	1972.27	1800.21
225.0	3163.78	2982.37	2809.14	2585.58	2411.77	2234.45	2013.82	1844.69	1672.63
270.0	3482.73	3271.47	3091.80	2865.32	2690.92	2522.96	2346.23	2125.60	1951.20
315.0	3292.53	3120.48	2898.09	2716.67	2546.96	2335.11	2159.54	1982.80	1813.09
360.0	3359.25	3146.81	2969.49	2750.62	2575.63	2399.48	2220.40	2043.08	1827.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1652.73	1346.66	1138.09	1097.77	942.50	798.54	635.50	523.37	404.21
45.0	1776.80	1598.89	1420.98	1206.79	1045.27	892.53	753.83	601.08	495.16
90.0	1357.78	1150.32	1109.59	953.80	812.18	652.70	538.58	435.23	323.69
135.0	1686.68	1461.95	1287.55	1125.45	934.08	795.96	637.37	526.18	425.52
180.0	1630.50	1454.34	1235.47	1066.92	913.59	737.44	615.13	509.20	393.33
225.0	1162.55	1162.55	1122.17	925.59	784.96	654.40	540.28	421.89	340.72
270.0	1782.07	1615.28	1401.09	1229.03	1064.00	908.33	723.40	599.33	468.24
315.0	1601.23	1135.98	1135.98	1056.04	900.08	757.98	628.59	490.24	399.88
360.0	1652.73	1346.66	1138.09	1097.77	942.50	798.54	635.50	523.37	404.21
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	323.92	254.34	197.05	142.91	113.53	92.64	75.14	65.60	59.05
45.0	402.11	298.52	298.52	216.94	134.31	101.83	84.62	69.88	61.92
90.0	251.12	193.65	150.11	112.13	92.23	77.89	67.65	58.93	54.07
135.0	317.25	297.94	297.94	142.27	112.95	88.95	75.73	66.19	59.52
180.0	310.81	310.81	170.48	132.61	105.87	86.96	70.99	62.56	56.77
225.0	269.85	197.51	153.39	120.38	96.91	77.37	66.95	59.69	53.49
270.0	380.45	303.21	303.21	168.08	130.39	103.18	80.82	69.06	60.80
315.0	303.79	239.12	185.81	135.83	107.80	88.19	74.73	65.14	57.24
360.0	323.92	254.34	197.05	142.91	113.53	92.64	75.14	65.60	59.05

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	54.25	49.74	46.99	44.77	42.49	40.97	39.27	38.10	36.99
45.0	56.36	52.14	48.22	45.71	43.72	41.96	40.09	38.86	37.75
90.0	50.33	46.76	44.54	42.25	40.73	39.33	37.86	36.81	35.82
135.0	53.78	50.39	47.11	45.00	43.25	41.38	40.09	38.80	37.51
180.0	52.55	48.57	46.12	44.18	42.14	40.67	39.21	38.10	37.04
225.0	49.92	46.53	44.36	42.55	40.97	39.27	38.10	36.99	35.99
270.0	55.07	50.04	46.99	44.59	42.19	40.50	39.03	37.45	36.34
315.0	52.79	49.39	46.64	43.89	42.14	40.61	38.98	37.81	36.46
360.0	54.25	49.74	46.99	44.77	42.49	40.97	39.27	38.10	36.99
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.99	34.82	33.88	33.01	32.13	31.37	30.31	29.55	28.85
45.0	36.40	35.46	34.47	33.36	32.54	31.60	30.78	30.02	29.20
90.0	34.88	34.00	32.89	32.01	31.25	30.31	29.55	28.85	27.97
135.0	36.52	35.64	34.70	33.53	32.77	32.01	31.31	30.37	29.61
180.0	36.05	34.94	34.06	33.18	32.36	31.37	30.61	29.85	28.97
225.0	34.82	33.77	32.83	31.95	30.90	30.08	29.14	28.38	27.62
270.0	35.35	34.12	33.18	32.30	31.19	30.37	29.55	28.79	27.80
315.0	35.46	34.47	33.30	32.48	31.60	30.78	29.79	28.97	28.21
360.0	35.99	34.82	33.88	33.01	32.13	31.37	30.31	29.55	28.85
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.92	27.21	26.51	25.63	25.11	24.87	25.16	25.69	25.28
45.0	28.32	27.62	26.92	26.22	25.34	24.70	23.99	23.17	22.53
90.0	27.33	26.63	25.75	25.05	24.35	23.58	23.00	22.47	22.00
135.0	28.91	28.03	27.39	26.45	25.75	25.16	24.64	24.05	24.40
180.0	28.21	27.51	26.69	26.34	26.45	27.39	28.27	29.03	28.32
225.0	26.69	25.98	25.22	24.52	23.70	23.06	22.47	21.89	21.13
270.0	27.10	26.39	25.63	24.76	24.05	23.17	22.53	21.89	21.19
315.0	27.51	26.57	25.87	25.16	24.29	23.53	22.77	22.18	21.65
360.0	27.92	27.21	26.51	25.63	25.11	24.87	25.16	25.69	25.28
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.29	23.35	22.30	21.13	20.13	19.37	18.79	18.26	17.79
45.0	21.95	21.19	20.66	20.19	19.72	19.31	18.90	18.43	17.79
90.0	21.77	21.83	22.00	21.95	21.65	21.19	20.60	19.49	18.08
135.0	25.28	25.87	26.45	26.57	26.74	25.69	24.35	22.65	21.07
180.0	27.45	26.69	25.52	24.29	23.35	22.18	21.13	19.90	18.90
225.0	20.60	20.19	19.66	19.37	19.02	18.49	18.08	17.50	17.09
270.0	20.66	20.13	19.66	19.20	18.90	18.55	18.20	17.73	17.26
315.0	20.95	20.54	20.25	19.96	19.55	18.96	18.49	17.97	17.50
360.0	24.29	23.35	22.30	21.13	20.13	19.37	18.79	18.26	17.79
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.38	16.68	15.92	14.81	13.69	13.17	12.64	12.41	12.23
45.0	17.32	16.74	16.21	15.51	14.51	13.69	12.82	12.52	12.29
90.0	16.68	16.09	15.39	14.69	13.23	12.64	12.41	12.17	12.00
135.0	18.61	16.74	16.09	15.22	14.16	12.99	12.52	12.29	12.06
180.0	17.38	16.50	15.63	14.69	13.58	12.76	12.52	12.29	12.11
225.0	16.39	15.68	14.81	13.87	12.93	12.52	12.29	12.11	12.00
270.0	16.80	16.21	15.57	14.63	13.58	12.87	12.58	12.29	12.06
315.0	16.85	16.15	15.27	14.16	13.34	12.70	12.41	12.17	11.94
360.0	17.38	16.68	15.92	14.81	13.69	13.17	12.64	12.41	12.23

Intensity data(cd)

C/γ(°)	90.0
0.0	12.11
45.0	12.06
90.0	12.00
135.0	12.00
180.0	12.11
225.0	12.06
270.0	12.00
315.0	11.94
360.0	12.11