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NT

Client:

LumCAT: 2-2689-L

Luminaire: 92.70.411.00

Report No: 2024403-B025

Ballast type: AC

Test No: 2024403-C025

Voltage(V): 34.400

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.883

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2855.74, Efficiency(%): 83.06% , Luminous Efficacy(lm/W): 143.63

Central intensity(cd): 5328.240, Maximum intensity(cd): 5328.240

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.2

[C90/270]Total=43.2

Field angle(10%Imax): [C0/180]Total=66.8

[C90/270]Total=66.8

Maximum s/h(1/2): C0_180=0.69 C90_270=0.69

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.06%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.734%

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	5328.240	0.000	0	0.00%	0.00%
1.0	5326.411	5.098	5.098	0.15%	0.18%
2.0	5314.853	15.273	20.371	0.44%	0.71%
3.0	5294.004	25.373	45.744	0.74%	1.60%
4.0	5257.500	35.319	81.064	1.03%	2.84%
5.0	5210.536	45.033	126.097	1.31%	4.42%
6.0	5139.870	54.394	180.491	1.58%	6.32%
7.0	5053.111	63.268	243.758	1.84%	8.54%
8.0	4950.111	71.591	315.349	2.08%	11.04%
9.0	4839.138	79.337	394.686	2.31%	13.82%
10.0	4707.170	86.391	481.077	2.51%	16.85%
11.0	4549.744	92.496	573.572	2.69%	20.08%
12.0	4397.732	97.809	671.381	2.84%	23.51%
13.0	4231.894	102.412	773.793	2.98%	27.10%
14.0	4051.864	106.031	879.824	3.08%	30.81%
15.0	3874.833	108.821	988.645	3.17%	34.62%
16.0	3695.096	110.921	1099.566	3.23%	38.50%
17.0	3522.381	112.396	1211.962	3.27%	42.44%
18.0	3340.815	113.159	1325.121	3.29%	46.40%
19.0	3156.104	113.033	1438.154	3.29%	50.36%
20.0	2956.835	111.884	1550.038	3.25%	54.28%
21.0	2773.732	110.038	1660.076	3.20%	58.13%
22.0	2589.899	107.784	1767.861	3.14%	61.91%
23.0	2390.849	104.510	1872.37	3.04%	65.57%
24.0	2195.237	100.268	1972.638	2.92%	69.08%
25.0	1996.773	95.317	2067.956	2.77%	72.41%
26.0	1807.306	89.796	2157.751	2.61%	75.56%
27.0	1535.016	81.771	2239.522	2.38%	78.42%
28.0	1302.440	71.838	2311.36	2.09%	80.94%
29.0	1178.877	64.918	2376.279	1.89%	83.21%
30.0	1015.826	59.257	2435.535	1.72%	85.29%
31.0	861.722	52.249	2487.785	1.52%	87.12%
32.0	709.307	45.008	2532.793	1.31%	88.69%
33.0	576.739	37.887	2570.68	1.10%	90.02%
34.0	459.614	31.363	2602.043	0.91%	91.12%
35.0	366.622	25.660	2627.703	0.75%	92.01%
36.0	298.435	21.176	2648.879	0.62%	92.76%
37.0	257.375	18.127	2667.006	0.53%	93.39%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	200.542	15.285	2682.291	0.44%	93.93%
39.0	145.904	11.825	2694.116	0.34%	94.34%
40.0	117.564	9.189	2703.305	0.27%	94.66%
41.0	98.808	7.705	2711.01	0.22%	94.93%
42.0	85.911	6.711	2717.721	0.20%	95.17%
43.0	76.094	6.001	2723.722	0.17%	95.38%
44.0	69.035	5.478	2729.199	0.16%	95.57%
45.0	63.950	5.111	2734.31	0.15%	95.75%
46.0	60.132	4.853	2739.163	0.14%	95.92%
47.0	56.591	4.642	2743.805	0.14%	96.08%
48.0	53.636	4.456	2748.261	0.13%	96.24%
49.0	50.915	4.293	2752.555	0.12%	96.39%
50.0	48.398	4.141	2756.695	0.12%	96.53%
51.0	46.079	3.997	2760.692	0.12%	96.67%
52.0	43.936	3.863	2764.555	0.11%	96.81%
53.0	41.807	3.730	2768.285	0.11%	96.94%
54.0	39.773	3.596	2771.881	0.10%	97.06%
55.0	38.084	3.475	2775.356	0.10%	97.19%
56.0	36.342	3.363	2778.719	0.10%	97.30%
57.0	34.616	3.244	2781.963	0.09%	97.42%
58.0	33.065	3.130	2785.093	0.09%	97.53%
59.0	31.580	3.022	2788.115	0.09%	97.63%
60.0	30.161	2.917	2791.032	0.08%	97.73%
61.0	28.581	2.803	2793.836	0.08%	97.83%
62.0	27.162	2.686	2796.522	0.08%	97.93%
63.0	25.801	2.576	2799.097	0.07%	98.02%
64.0	24.609	2.474	2801.571	0.07%	98.10%
65.0	23.702	2.391	2803.962	0.07%	98.19%
66.0	23.087	2.334	2806.296	0.07%	98.27%
67.0	22.868	2.311	2808.607	0.07%	98.35%
68.0	22.912	2.319	2810.926	0.07%	98.43%
69.0	23.168	2.351	2813.277	0.07%	98.51%
70.0	23.519	2.398	2815.675	0.07%	98.60%
71.0	23.738	2.442	2818.117	0.07%	98.68%
72.0	23.884	2.476	2820.593	0.07%	98.77%
73.0	23.811	2.494	2823.087	0.07%	98.86%
74.0	23.738	2.500	2825.587	0.07%	98.94%
75.0	23.497	2.496	2828.083	0.07%	99.03%

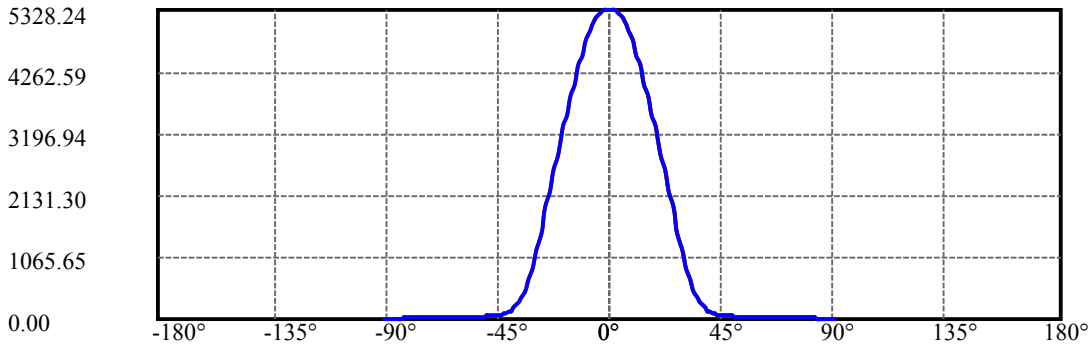
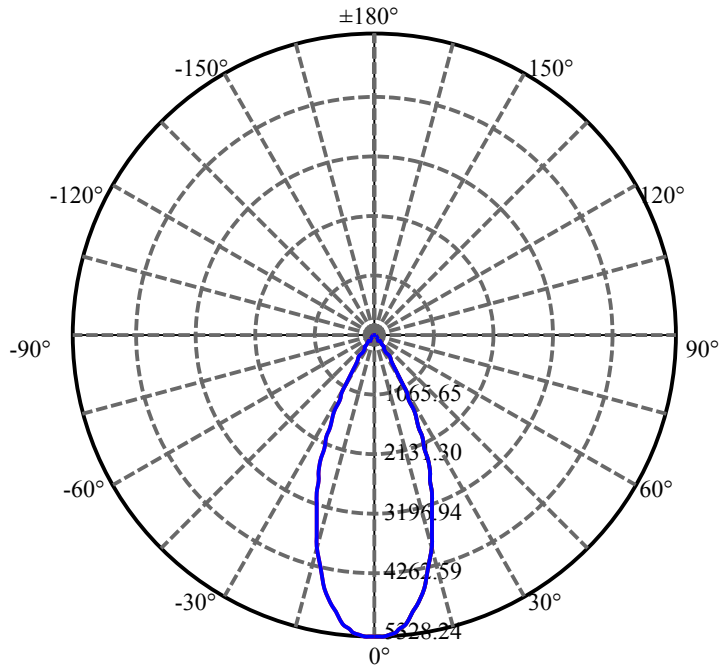
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.058	2.471	2830.554	0.07%	99.12%
77.0	22.370	2.422	2832.976	0.07%	99.20%
78.0	21.317	2.339	2835.315	0.07%	99.28%
79.0	19.949	2.217	2837.532	0.06%	99.36%
80.0	18.457	2.071	2839.603	0.06%	99.43%
81.0	17.476	1.943	2841.546	0.06%	99.50%
82.0	16.854	1.862	2843.408	0.05%	99.57%
83.0	16.240	1.799	2845.207	0.05%	99.63%
84.0	15.604	1.735	2846.941	0.05%	99.69%
85.0	14.609	1.649	2848.59	0.05%	99.75%
86.0	13.702	1.547	2850.138	0.05%	99.80%
87.0	13.051	1.464	2851.602	0.04%	99.86%
88.0	12.663	1.409	2853.01	0.04%	99.90%
89.0	12.421	1.375	2854.385	0.04%	99.95%
90.0	12.260	1.353	2855.739	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2435.54	70.84%	85.29%
0-40	2703.30	78.63%	94.66%
0-60	2791.03	81.18%	97.73%
0-90	2854.39	83.02%	99.95%
0-120	2854.39	83.02%	99.95%
0-180	2855.74	83.06%	100.00%
60-90	63.35	1.84%	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%
0-27.63	2284.59	66.45%	80.00%

ZONAL LUMEN SUMMARY

0-10	481.08
10-20	1068.96
20-30	885.50
30-40	267.77
40-50	53.39
50-60	34.34
60-70	24.64
70-80	23.93
80-90	14.78
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: —————

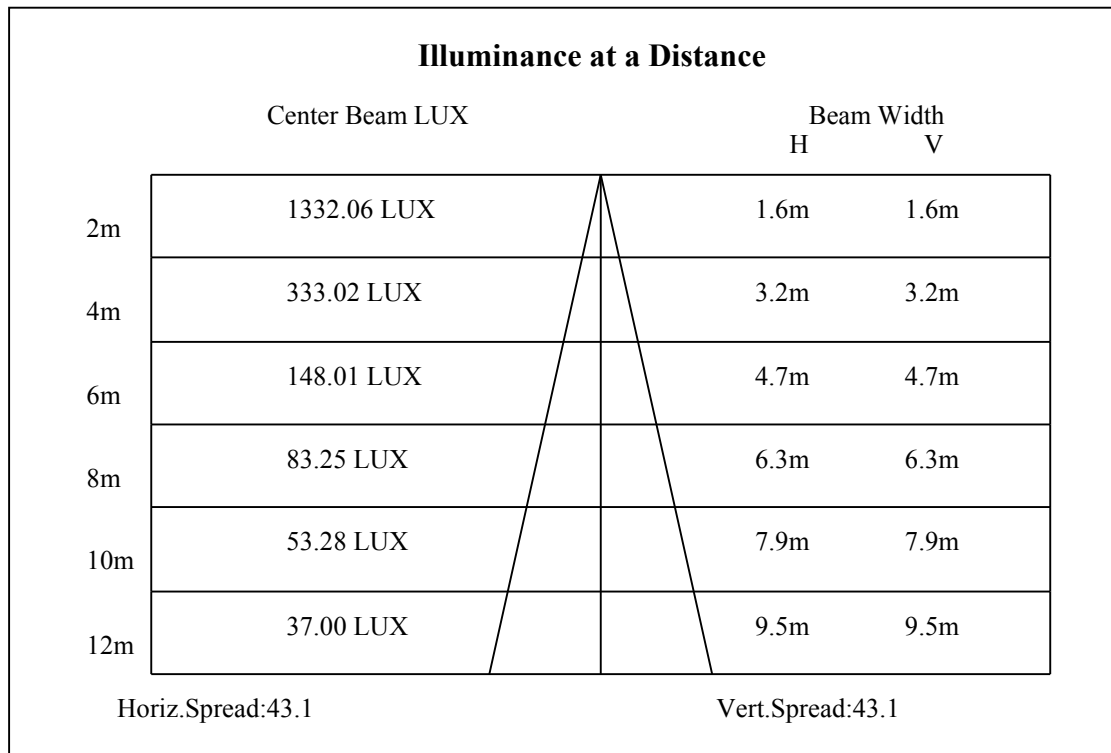
C90/C270: —————

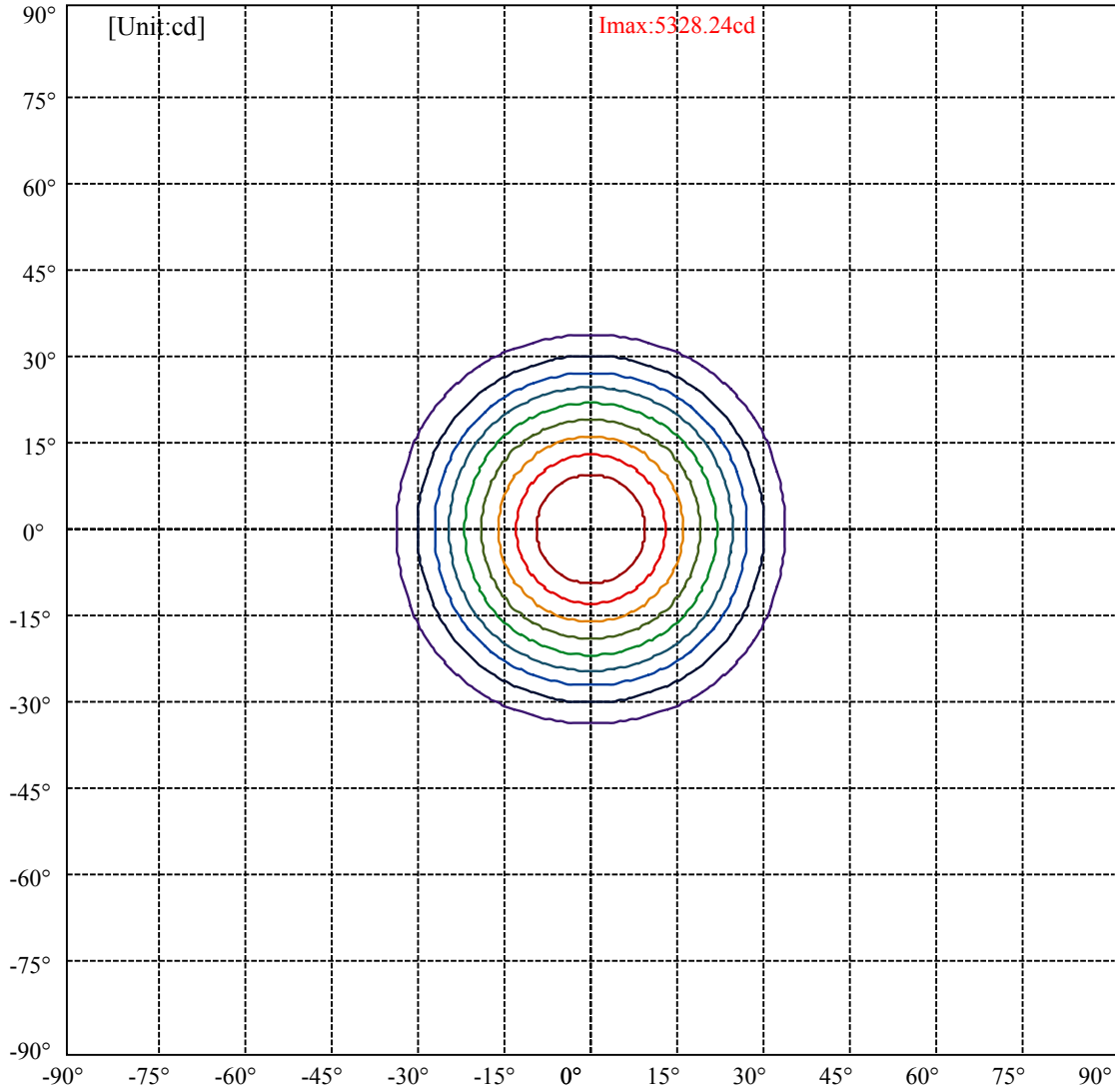
Field angle(10%Imax):C0/180Left:33.4 Right:33.4

:C90/270Left:33.4 Right:33.4

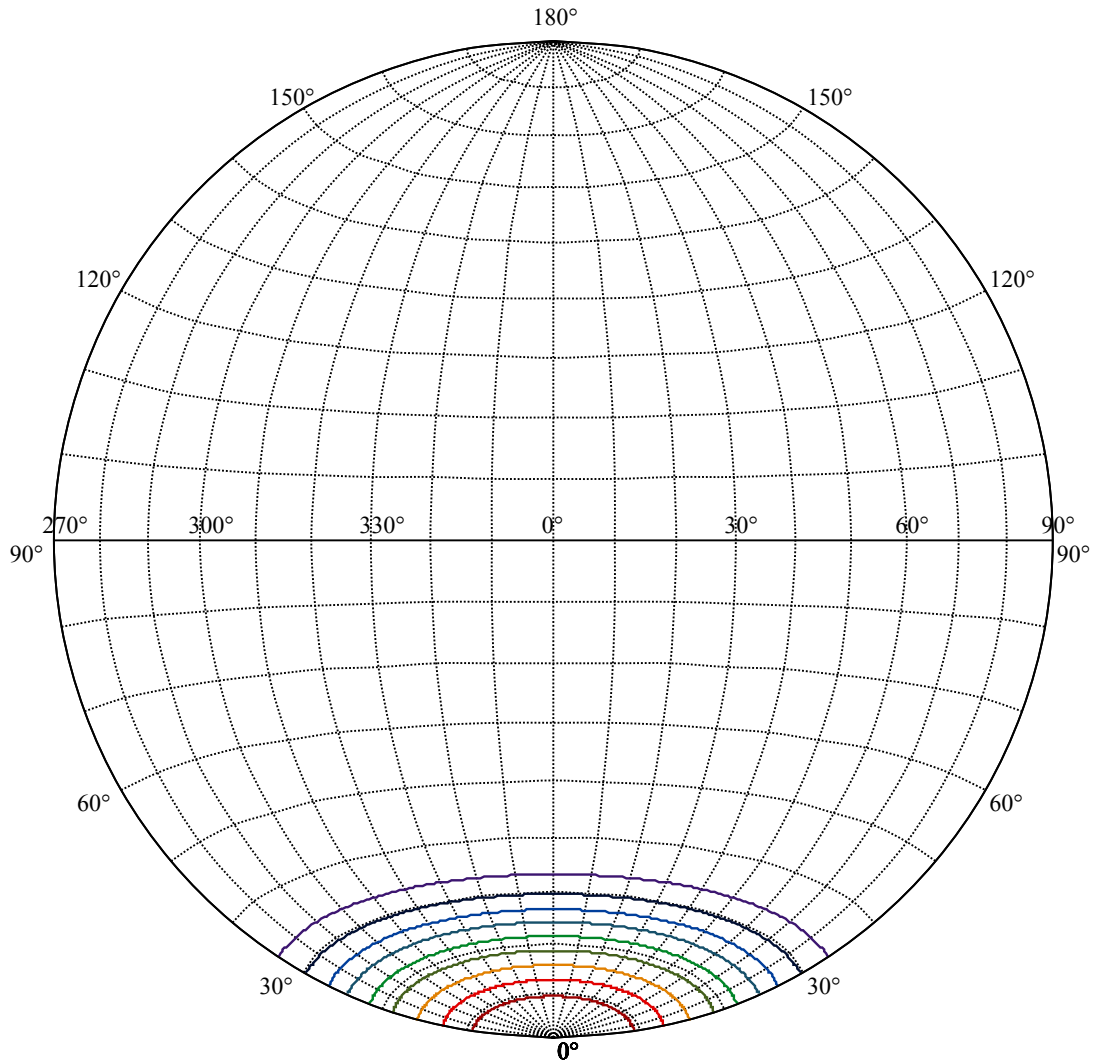
Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6

:C90/270Left:21.6 Right:21.6





(10%Imax) 532.824	—
(20%Imax) 1065.65	—
(30%Imax) 1598.47	—
(40%Imax) 2131.3	—
(50%Imax) 2664.12	—
(60%Imax) 3196.94	—
(70%Imax) 3729.77	—
(80%Imax) 4262.59	—
(90%Imax) 4795.42	—



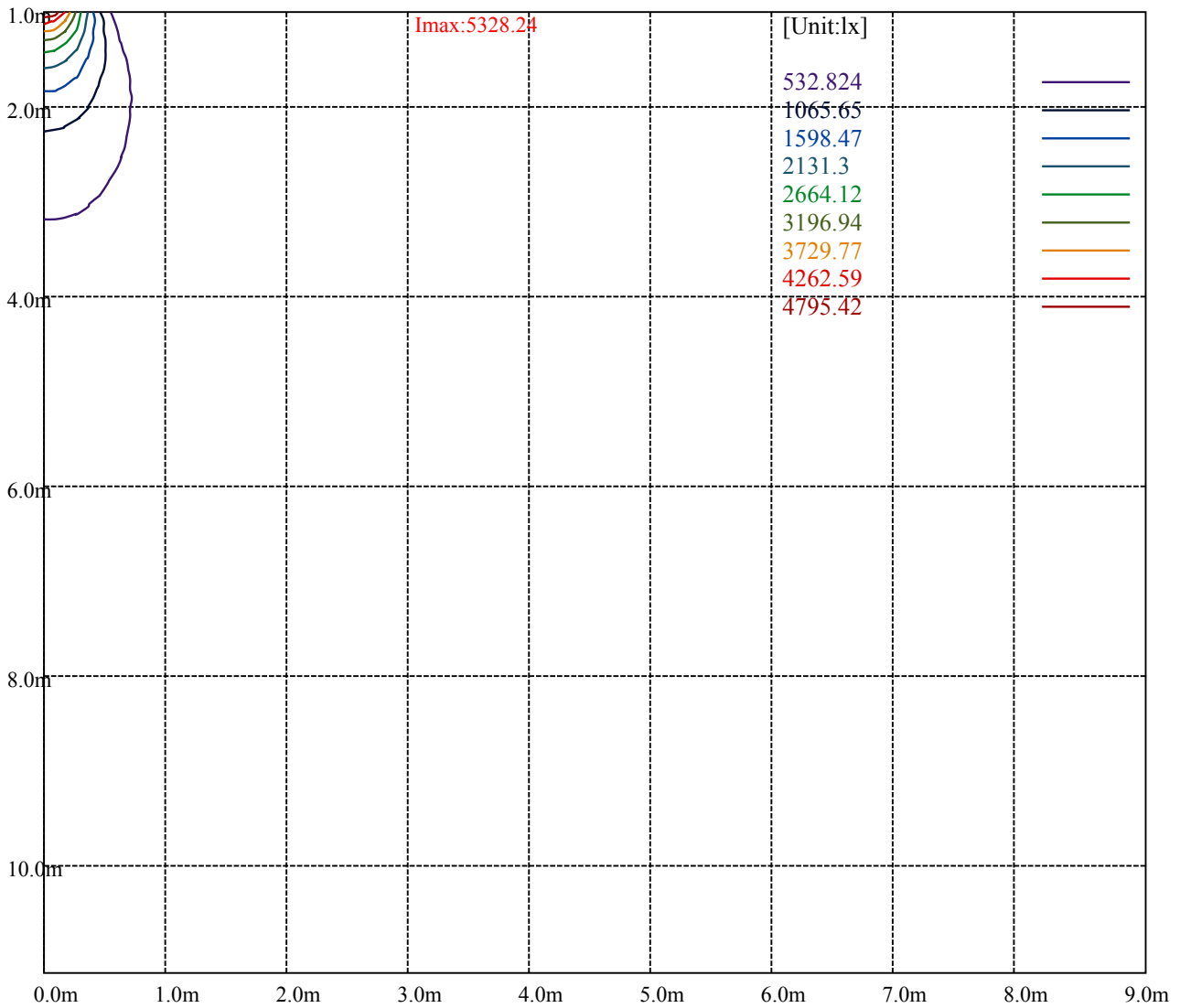
House

[Unit:cd]

Road

Imax:5328.24

(10%Imax)	532.824	—
(20%Imax)	1065.65	—
(30%Imax)	1598.47	—
(40%Imax)	2131.3	—
(50%Imax)	2664.12	—
(60%Imax)	3196.94	—
(70%Imax)	3729.77	—
(80%Imax)	4262.59	—
(90%Imax)	4795.42	—



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

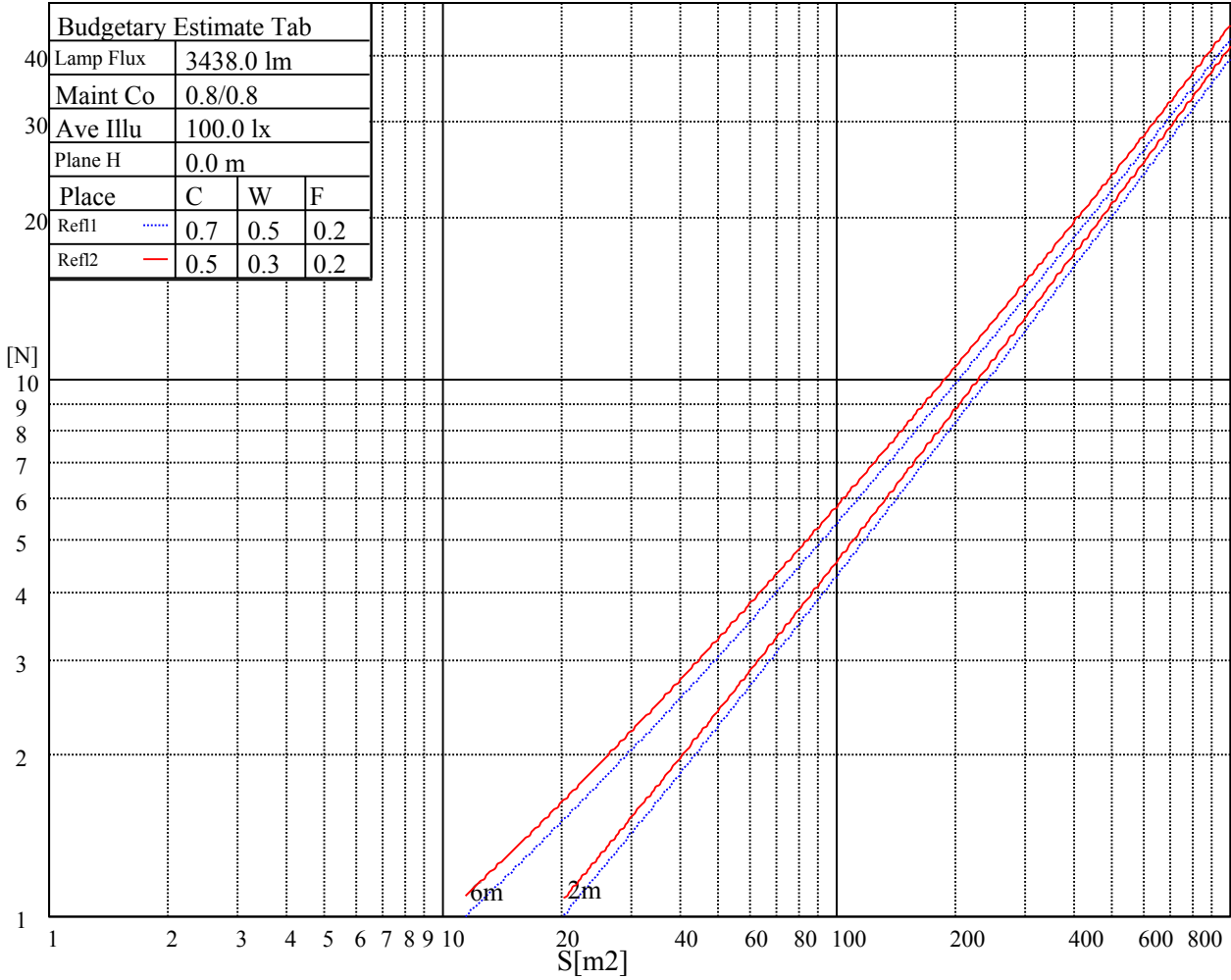
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

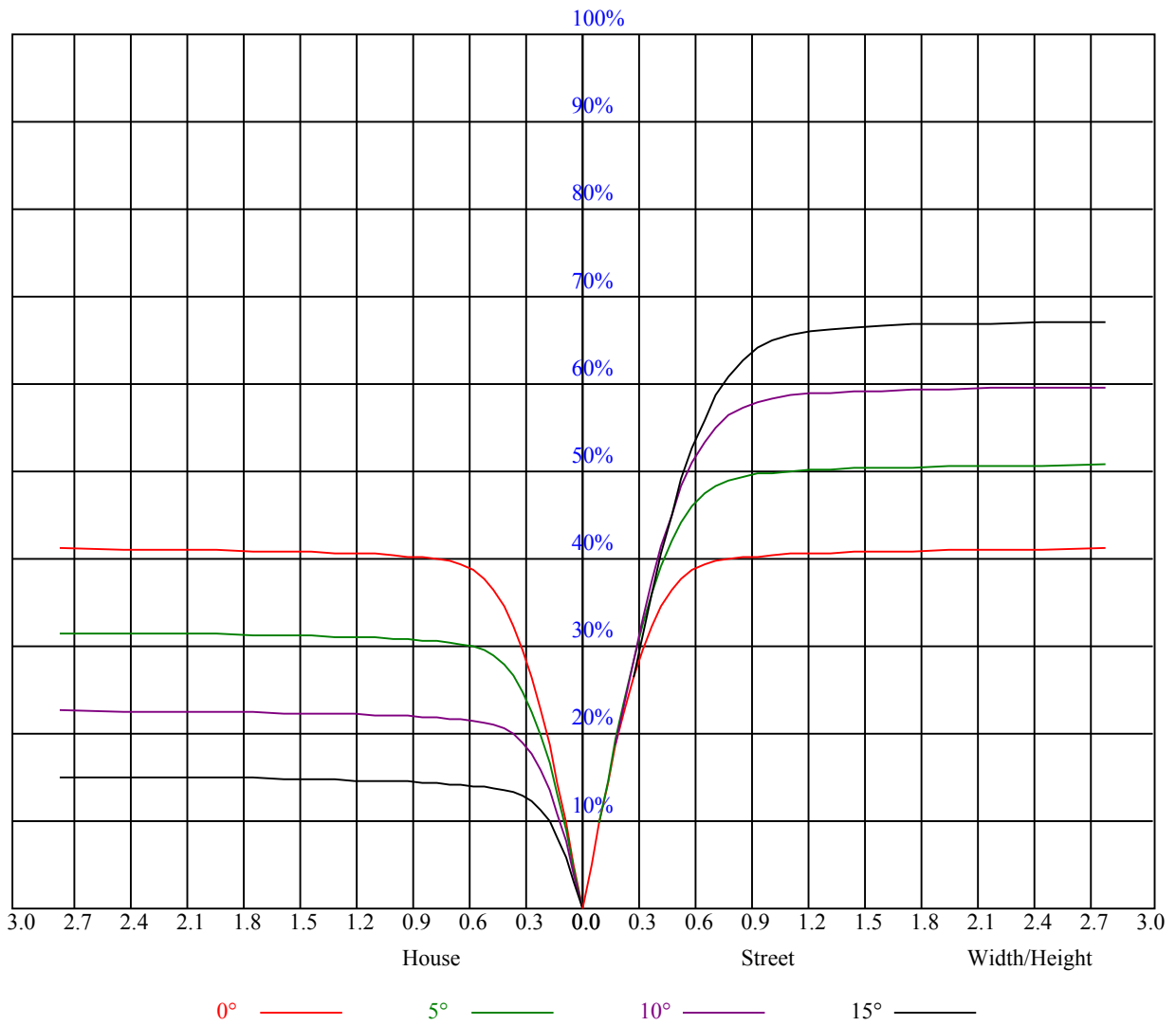


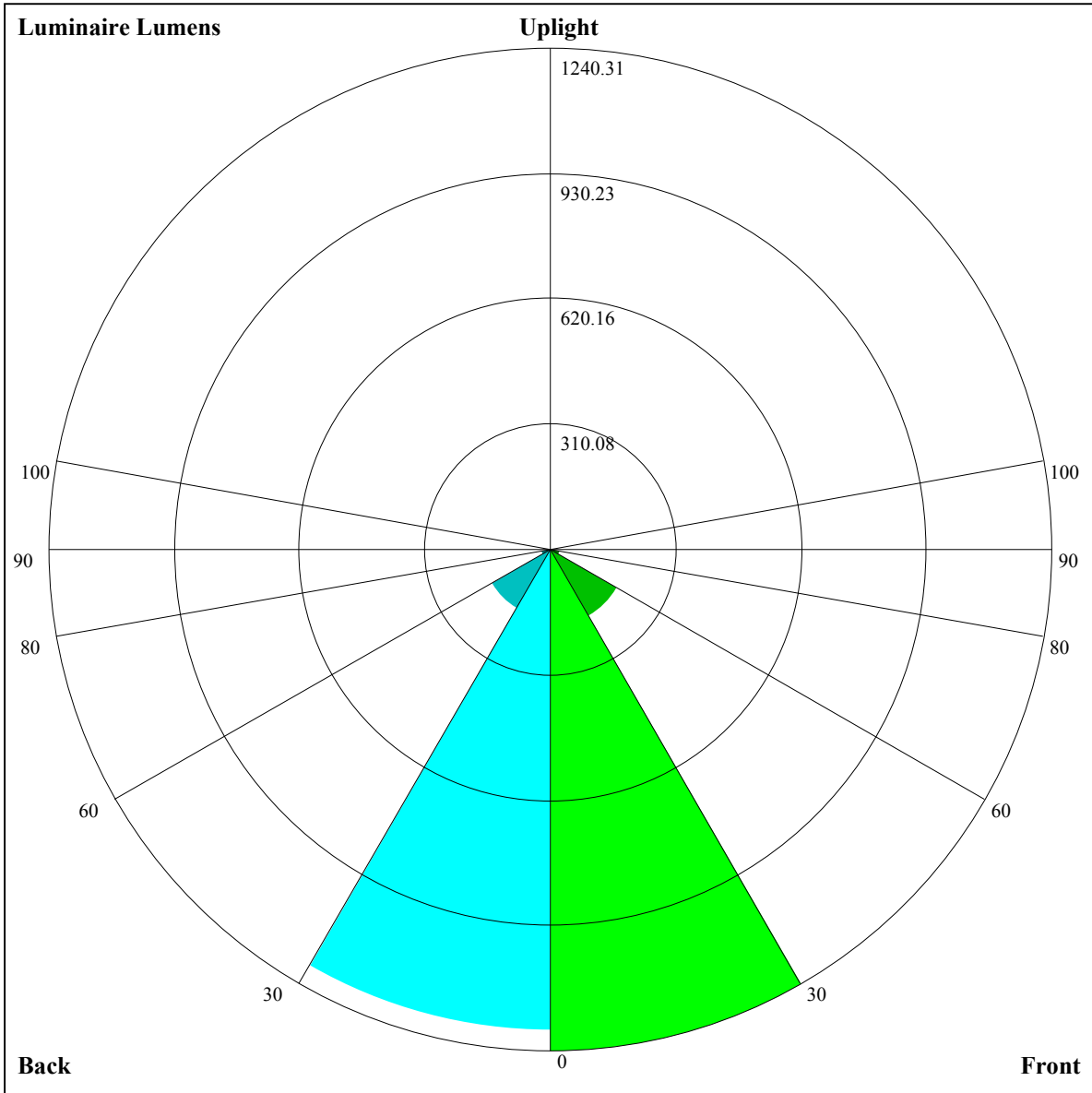
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.76	0.75	0.74
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.68	0.66	0.63	0.62
6	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.59
7	0.66	0.62	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56
8	0.63	0.59	0.56	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.58	0.53	0.51	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49





Luminaire Lumens:

FL=1240.31,FM=189.26,FH=22.94,FVH=8.14

BL=1190.02,BM=170.87,BH=25.2,BVH=8.03

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	5336.73	5338.48	5326.78	5312.15	5279.96	5244.26	5183.40	5114.93	5001.39
45.0	5326.19	5332.63	5329.12	5320.92	5303.95	5264.74	5207.39	5143.60	5041.77
90.0	5330.29	5327.36	5295.17	5260.65	5209.15	5143.60	5051.72	4956.91	4824.07
135.0	5319.75	5323.27	5312.15	5289.32	5240.16	5186.32	5120.19	5009.00	4915.36
180.0	5336.73	5327.95	5317.41	5296.34	5251.87	5202.71	5126.04	5016.02	4913.61
225.0	5326.19	5314.49	5297.52	5277.03	5212.66	5153.55	5052.31	4959.26	4842.21
270.0	5330.29	5331.46	5331.46	5309.22	5298.10	5267.67	5206.81	5144.19	5064.01
315.0	5319.75	5315.66	5309.22	5286.40	5264.16	5221.44	5171.11	5080.98	4998.47
360.0	5336.73	5338.48	5326.78	5312.15	5279.96	5244.26	5183.40	5114.93	5001.39
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4910.10	4764.38	4642.65	4495.76	4297.37	4132.33	3962.03	3791.73	3627.28
45.0	4938.77	4847.48	4690.05	4552.52	4402.71	4203.14	4045.72	3834.45	3675.27
90.0	4700.00	4568.32	4379.88	4223.63	4058.01	3892.98	3692.83	3531.89	3366.86
135.0	4800.07	4673.08	4501.61	4351.21	4198.46	4029.33	3821.58	3653.62	3491.51
180.0	4798.32	4630.36	4484.64	4316.68	4154.57	3944.48	3775.34	3621.43	3414.85
225.0	4717.56	4547.26	4397.44	4234.75	4078.49	3869.57	3689.90	3534.82	3332.91
270.0	4948.14	4836.94	4675.42	4527.94	4378.71	4223.63	4056.25	3846.16	3689.32
315.0	4900.15	4789.54	4626.26	4479.37	4286.83	4119.46	3955.01	3746.67	3581.05
360.0	4910.10	4764.38	4642.65	4495.76	4297.37	4132.33	3962.03	3791.73	3627.28
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3427.14	3259.76	3084.78	2857.13	2675.71	2494.29	2267.22	2085.22	1902.62
45.0	3510.24	3339.35	3128.67	2943.74	2764.08	2592.02	2407.09	2181.19	1998.60
90.0	3153.84	2979.44	2802.70	2625.38	2445.13	2222.16	2033.72	1807.82	1625.81
135.0	3286.68	3115.80	2889.90	2716.09	2535.25	2359.10	2133.79	1952.95	1762.76
180.0	3250.40	3063.71	2838.98	2665.17	2493.12	2272.49	2087.56	1900.28	1724.72
225.0	3160.86	2981.78	2756.47	2576.80	2355.59	2177.68	1993.33	1808.40	1579.00
270.0	3524.87	3309.51	3135.11	2965.98	2791.58	2565.68	2381.34	2154.27	1968.76
315.0	3412.51	3199.48	3018.06	2839.57	2658.74	2443.37	2257.86	2084.04	1896.19
360.0	3427.14	3259.76	3084.78	2857.13	2675.71	2494.29	2267.22	2085.22	1902.62
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1671.46	1166.24	1166.24	1080.62	920.97	775.60	639.89	492.00	394.79
45.0	1763.93	1572.56	1383.53	1155.88	990.26	835.76	695.31	541.39	438.39
90.0	1159.74	1159.74	1032.57	874.21	729.78	566.61	457.76	366.35	276.93
135.0	1573.73	1340.22	1159.97	993.19	840.44	668.97	546.66	443.66	338.90
180.0	1491.80	1304.53	1125.45	921.79	777.82	649.07	506.86	411.47	334.22
225.0	1167.70	1167.70	1043.75	851.09	717.19	594.71	484.98	373.14	301.57
270.0	1784.99	1548.56	1359.54	1174.61	1004.89	855.07	685.36	564.22	459.46
315.0	1666.78	1159.97	1159.97	1075.23	912.42	728.66	597.11	484.68	388.71
360.0	1671.46	1166.24	1166.24	1080.62	920.97	775.60	639.89	492.00	394.79
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	316.37	253.40	193.24	156.66	129.86	105.57	91.70	79.12	71.63
45.0	355.29	302.62	302.62	175.63	144.78	115.99	98.55	85.44	76.14
90.0	221.45	179.31	146.60	116.93	100.37	87.61	75.79	68.94	63.26
135.0	303.79	303.79	161.46	131.97	106.57	92.76	82.17	74.67	67.59
180.0	300.86	300.86	163.45	133.37	105.98	91.00	80.64	73.50	67.07
225.0	243.34	184.70	149.17	121.67	97.85	85.03	76.20	68.59	64.08
270.0	352.36	299.11	299.11	178.32	136.12	111.84	94.63	80.29	72.63
315.0	294.02	235.20	188.68	152.69	118.98	100.66	87.61	78.19	69.88
360.0	316.37	253.40	193.24	156.66	129.86	105.57	91.70	79.12	71.63

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	66.13	61.04	57.82	54.89	52.14	49.63	46.82	44.83	42.78
45.0	68.41	63.91	59.46	56.42	53.55	50.27	47.87	45.76	43.72
90.0	59.75	56.65	53.72	50.39	48.05	45.76	43.72	41.32	39.62
135.0	63.44	60.04	57.06	53.67	51.27	48.92	46.82	44.30	42.31
180.0	63.03	59.69	56.12	53.43	50.97	48.16	46.00	44.01	41.55
225.0	60.34	57.29	53.67	51.09	48.63	46.47	43.89	41.90	40.09
270.0	65.72	61.57	58.11	55.13	51.73	49.28	46.99	44.89	42.43
315.0	64.78	60.86	56.77	54.07	50.97	48.69	46.53	44.48	41.96
360.0	66.13	61.04	57.82	54.89	52.14	49.63	46.82	44.83	42.78
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.50	38.80	37.04	35.05	33.47	31.72	30.37	29.03	27.68
45.0	41.32	39.50	37.92	36.34	34.47	33.07	31.72	29.90	28.44
90.0	37.92	36.34	34.53	33.18	31.37	30.02	28.68	27.10	25.81
135.0	40.03	38.39	36.81	34.88	33.42	31.95	30.61	29.03	27.56
180.0	39.80	38.10	36.46	34.47	33.07	31.66	30.26	28.50	27.21
225.0	37.92	36.28	34.47	32.95	31.60	30.20	28.38	27.04	25.69
270.0	40.56	38.80	36.75	35.23	33.71	31.95	30.55	29.09	27.39
315.0	40.15	38.45	36.75	34.82	33.42	32.07	30.72	28.97	27.51
360.0	40.50	38.80	37.04	35.05	33.47	31.72	30.37	29.03	27.68
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.04	24.76	23.53	22.65	22.18	22.59	23.47	24.40	24.46
45.0	27.04	25.46	24.11	22.82	22.18	21.65	21.24	20.72	20.37
90.0	24.76	23.58	23.00	22.71	22.41	22.41	22.82	23.47	24.11
135.0	26.39	25.11	24.11	23.47	23.41	24.11	25.46	27.51	29.38
180.0	26.39	25.98	26.63	27.68	29.32	30.61	31.89	32.95	33.42
225.0	23.99	22.88	22.06	21.42	20.78	20.37	19.96	19.49	19.20
270.0	26.04	24.70	23.06	22.00	21.30	20.72	20.13	19.72	19.37
315.0	25.75	24.40	23.12	21.95	21.36	20.83	20.37	19.90	19.61
360.0	26.04	24.76	23.53	22.65	22.18	22.59	23.47	24.40	24.46
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.17	23.70	22.65	22.00	21.19	20.42	19.72	19.08	18.26
45.0	20.01	19.66	19.37	19.02	18.84	18.49	18.32	18.08	17.85
90.0	25.05	25.69	26.28	26.28	25.93	24.81	23.53	21.24	18.84
135.0	31.13	32.54	33.94	34.18	33.36	31.89	28.32	24.76	21.54
180.0	33.42	32.48	31.84	31.19	30.26	28.97	26.74	22.94	18.38
225.0	18.90	18.61	18.38	18.20	18.02	17.85	17.67	17.50	17.21
270.0	19.02	18.67	18.38	18.20	18.08	17.97	17.85	17.79	17.62
315.0	19.37	19.14	19.08	18.90	18.79	18.55	18.38	18.20	17.97
360.0	24.17	23.70	22.65	22.00	21.19	20.42	19.72	19.08	18.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.50	16.80	16.33	15.68	15.04	14.22	13.34	12.99	12.64
45.0	17.62	17.44	16.91	16.44	15.80	15.10	13.69	13.28	12.82
90.0	17.38	16.97	16.44	15.92	14.10	13.34	12.93	12.29	12.23
135.0	18.14	17.21	16.56	16.09	15.33	13.17	12.76	12.41	12.17
180.0	17.21	16.50	15.80	14.98	13.81	13.05	12.76	12.35	12.23
225.0	16.91	16.27	15.57	14.63	13.46	13.05	12.82	12.41	12.29
270.0	17.38	16.97	16.21	15.57	14.81	14.05	13.17	12.87	12.64
315.0	17.67	16.68	16.09	15.51	14.51	13.64	12.93	12.70	12.35
360.0	17.50	16.80	16.33	15.68	15.04	14.22	13.34	12.99	12.64

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.35
45.0	12.29
90.0	12.35
135.0	12.23
180.0	12.29
225.0	12.35
270.0	12.17
315.0	12.06
360.0	12.35