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NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.411.00

Report No: 2024403-B008

Ballast type: AC

Test No: 2024403-C008

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): 2850.65, Efficiency(%): 82.92% , Luminous Efficacy(lm/W): 143.46

Central intensity(cd): 5167.450, Maximum intensity(cd): 5167.450

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.8

[C90/270]Total=43.8

Field angle(10%Imax): [C0/180]Total=68.2

[C90/270]Total=68.2

Maximum s/h(1/2): C0\_180=0.70 C90\_270=0.70

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(%): 82.92%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.707%

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	5167.449	0.000	0	0.00%	0.00%
1.0	5159.110	4.941	4.941	0.14%	0.17%
2.0	5139.066	14.781	19.722	0.43%	0.69%
3.0	5103.367	24.497	44.219	0.71%	1.55%
4.0	5056.403	34.008	78.227	0.99%	2.74%
5.0	4997.002	43.249	121.476	1.26%	4.26%
6.0	4920.484	52.119	173.595	1.52%	6.09%
7.0	4838.406	60.573	234.168	1.76%	8.21%
8.0	4742.649	68.570	302.738	1.99%	10.62%
9.0	4644.258	76.076	378.814	2.21%	13.29%
10.0	4534.455	83.064	461.878	2.42%	16.20%
11.0	4412.874	89.402	551.28	2.60%	19.34%
12.0	4278.931	95.014	646.294	2.76%	22.67%
13.0	4153.108	100.067	746.361	2.91%	26.18%
14.0	3999.706	104.355	850.716	3.04%	29.84%
15.0	3852.375	107.797	958.513	3.14%	33.62%
16.0	3689.171	110.505	1069.018	3.21%	37.50%
17.0	3525.234	112.348	1181.365	3.27%	41.44%
18.0	3341.620	113.220	1294.585	3.29%	45.41%
19.0	3157.347	113.069	1407.654	3.29%	49.38%
20.0	2953.835	111.852	1519.505	3.25%	53.30%
21.0	2765.686	109.826	1629.332	3.19%	57.16%
22.0	2572.854	107.280	1736.612	3.12%	60.92%
23.0	2399.115	104.325	1840.937	3.03%	64.58%
24.0	2212.867	100.834	1941.772	2.93%	68.12%
25.0	2039.933	96.699	2038.471	2.81%	71.51%
26.0	1849.955	91.821	2130.292	2.67%	74.73%
27.0	1640.444	85.393	2215.686	2.48%	77.73%
28.0	1377.159	76.399	2292.085	2.22%	80.41%
29.0	1254.774	68.859	2360.944	2.00%	82.82%
30.0	1121.306	64.154	2425.097	1.87%	85.07%
31.0	944.765	57.496	2482.593	1.67%	87.09%
32.0	797.069	49.902	2532.495	1.45%	88.84%
33.0	651.012	42.661	2575.156	1.24%	90.34%
34.0	522.818	35.524	2610.679	1.03%	91.58%
35.0	404.566	28.801	2639.48	0.84%	92.59%
36.0	306.899	22.653	2662.134	0.66%	93.39%
37.0	246.489	18.048	2680.182	0.52%	94.02%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	186.804	14.463	2694.645	0.42%	94.53%
39.0	105.319	9.971	2704.616	0.29%	94.88%
40.0	83.007	6.568	2711.184	0.19%	95.11%
41.0	71.098	5.488	2716.671	0.16%	95.30%
42.0	64.024	4.909	2721.581	0.14%	95.47%
43.0	58.632	4.544	2726.124	0.13%	95.63%
44.0	54.843	4.283	2730.407	0.12%	95.78%
45.0	51.719	4.095	2734.502	0.12%	95.93%
46.0	49.188	3.946	2738.449	0.11%	96.06%
47.0	46.840	3.819	2742.268	0.11%	96.20%
48.0	44.784	3.704	2745.972	0.11%	96.33%
49.0	43.087	3.608	2749.58	0.10%	96.45%
50.0	41.500	3.527	2753.107	0.10%	96.58%
51.0	40.154	3.455	2756.562	0.10%	96.70%
52.0	38.881	3.391	2759.953	0.10%	96.82%
53.0	37.732	3.333	2763.286	0.10%	96.94%
54.0	36.664	3.279	2766.565	0.10%	97.05%
55.0	35.713	3.231	2769.796	0.09%	97.16%
56.0	34.792	3.186	2772.982	0.09%	97.28%
57.0	33.950	3.143	2776.125	0.09%	97.39%
58.0	33.080	3.100	2779.224	0.09%	97.49%
59.0	32.297	3.056	2782.281	0.09%	97.60%
60.0	31.478	3.013	2785.294	0.09%	97.71%
61.0	30.710	2.968	2788.261	0.09%	97.81%
62.0	29.942	2.923	2791.184	0.09%	97.91%
63.0	29.159	2.874	2794.058	0.08%	98.01%
64.0	28.405	2.825	2796.883	0.08%	98.11%
65.0	27.652	2.774	2799.657	0.08%	98.21%
66.0	26.876	2.721	2802.378	0.08%	98.31%
67.0	26.130	2.665	2805.043	0.08%	98.40%
68.0	25.611	2.621	2807.664	0.08%	98.49%
69.0	25.150	2.590	2810.254	0.08%	98.58%
70.0	24.755	2.563	2812.817	0.07%	98.67%
71.0	24.082	2.524	2815.341	0.07%	98.76%
72.0	23.358	2.467	2817.808	0.07%	98.85%
73.0	22.575	2.402	2820.21	0.07%	98.93%
74.0	21.712	2.328	2822.538	0.07%	99.01%
75.0	21.046	2.259	2824.797	0.07%	99.09%

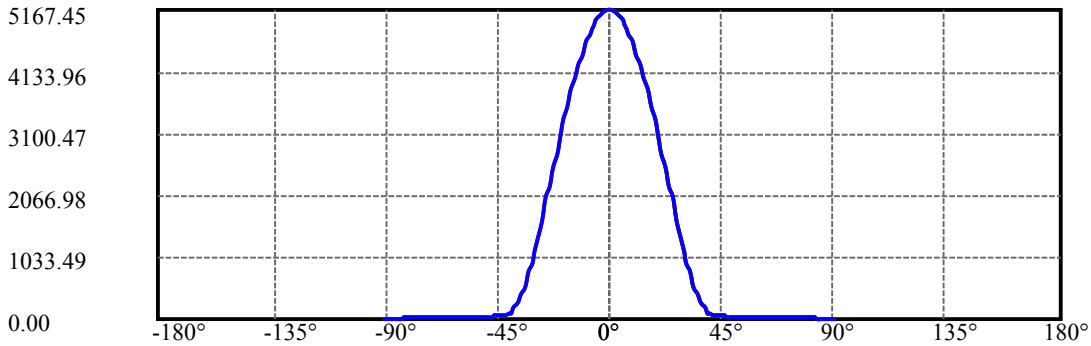
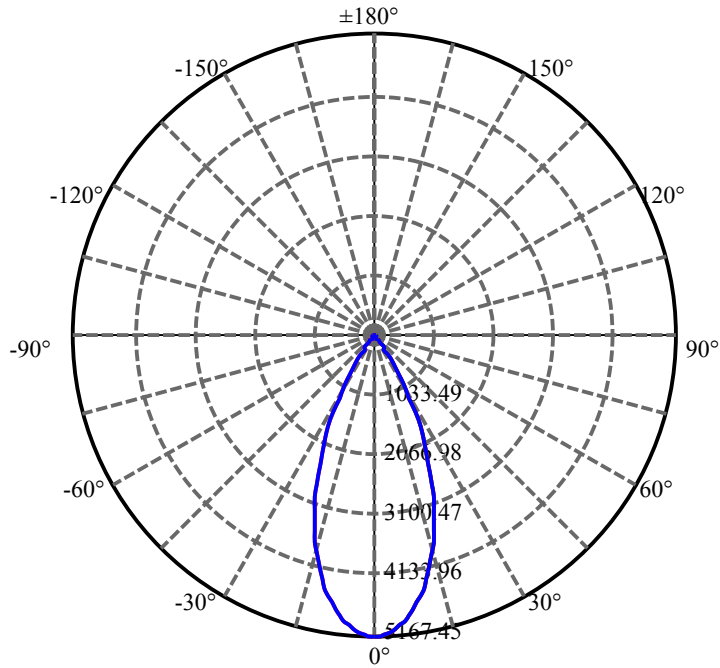
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.380	2.199	2826.996	0.06%	99.17%
77.0	19.781	2.141	2829.137	0.06%	99.25%
78.0	19.217	2.088	2831.225	0.06%	99.32%
79.0	18.457	2.024	2833.249	0.06%	99.39%
80.0	17.805	1.955	2835.204	0.06%	99.46%
81.0	16.979	1.881	2837.085	0.05%	99.52%
82.0	16.108	1.794	2838.88	0.05%	99.59%
83.0	15.428	1.714	2840.594	0.05%	99.65%
84.0	14.594	1.636	2842.229	0.05%	99.70%
85.0	13.636	1.541	2843.77	0.04%	99.76%
86.0	12.948	1.453	2845.223	0.04%	99.81%
87.0	12.538	1.395	2846.618	0.04%	99.86%
88.0	12.312	1.361	2847.979	0.04%	99.91%
89.0	12.158	1.341	2849.321	0.04%	99.95%
90.0	12.114	1.331	2850.651	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2425.10	70.54%	85.07%
0-40	2711.18	78.86%	95.11%
0-60	2785.29	81.01%	97.71%
0-90	2849.32	82.88%	99.95%
0-120	2849.32	82.88%	99.95%
0-180	2850.65	82.92%	100.00%
60-90	64.03	1.86%	2.25%
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%
0-27.85	2280.52	66.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	461.88
10-20	1057.63
20-30	905.59
30-40	286.09
40-50	41.92
50-60	32.19
60-70	27.52
70-80	22.39
80-90	14.12
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: —————

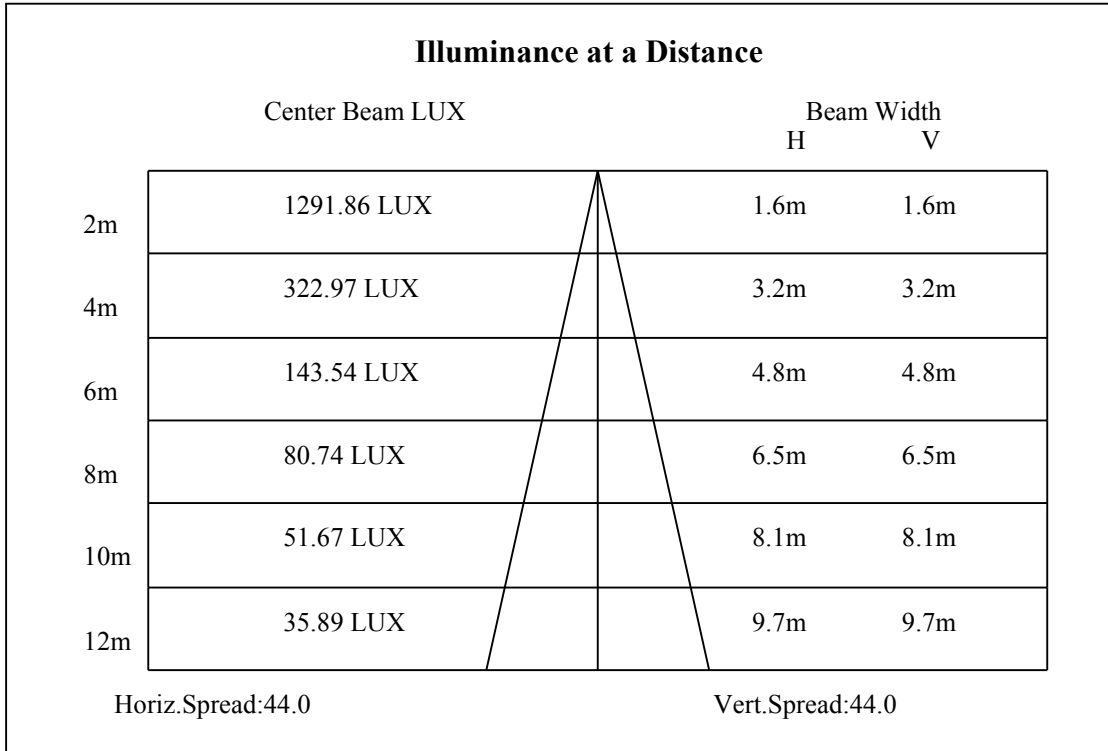
C90/C270: —————

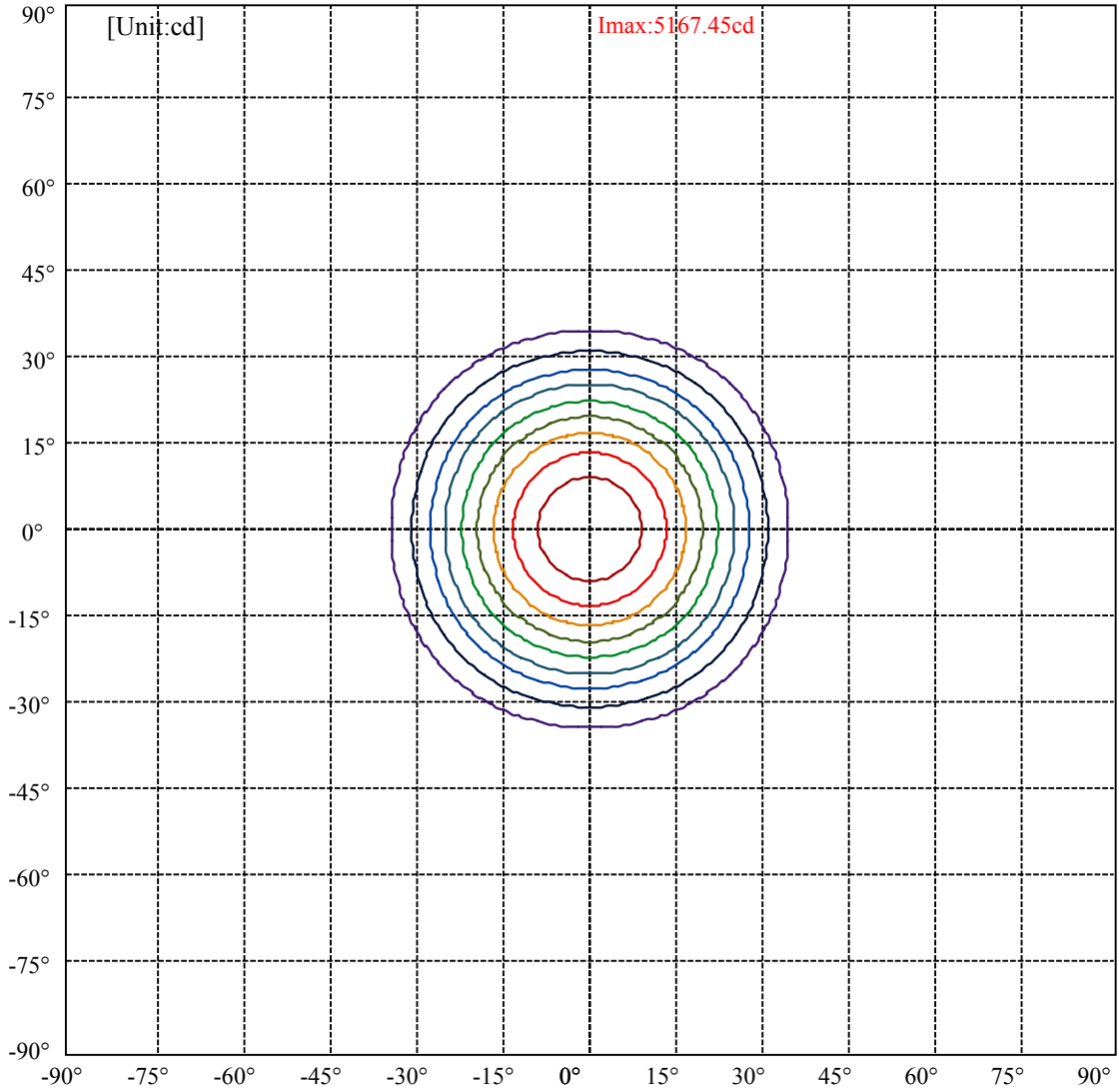
Field angle(10%Imax):C0/180Left:34.1 Right:34.1

:C90/270Left:34.1 Right:34.1

Beam Angle(50%Imax):C0/180Left:21.9 Right:21.9

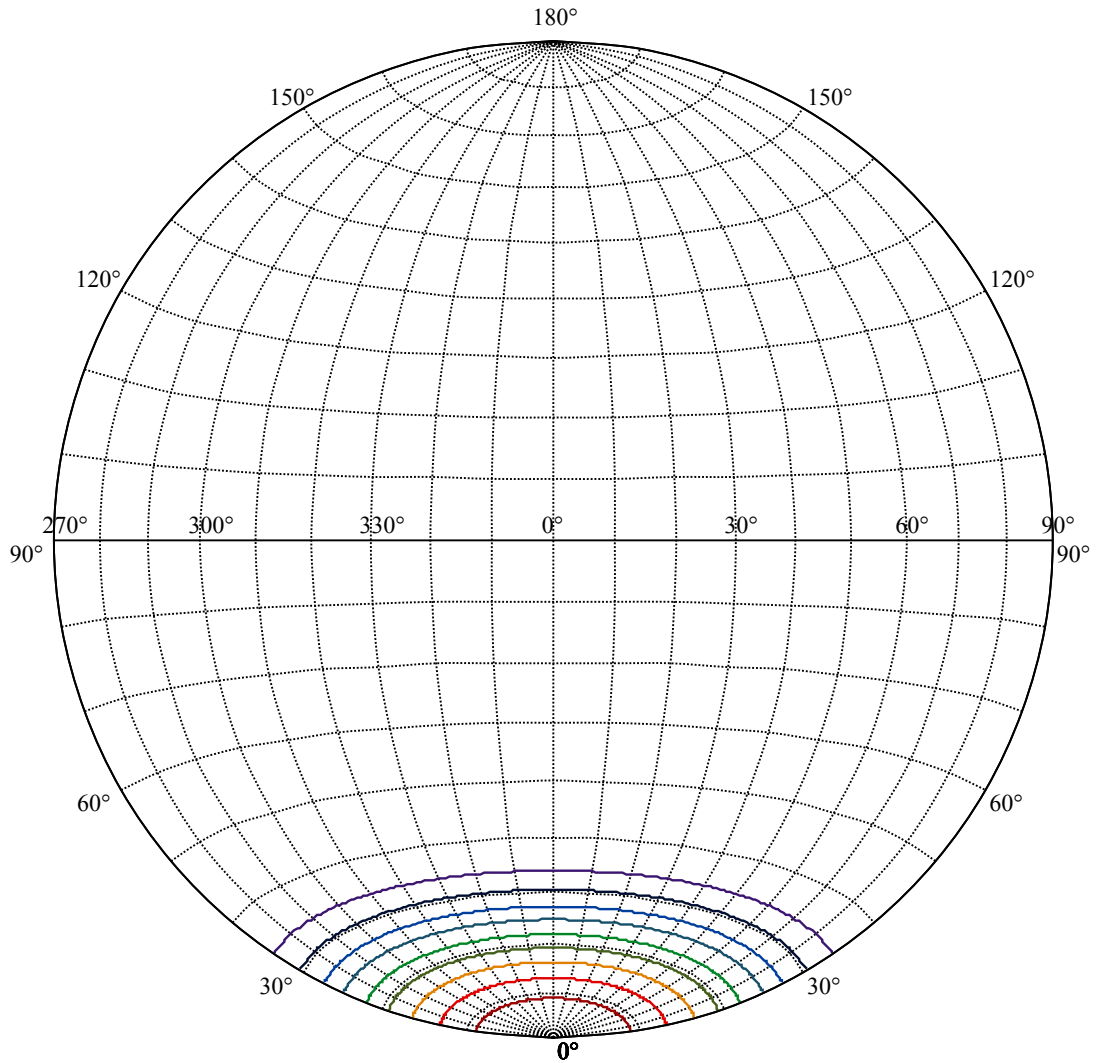
:C90/270Left:21.9 Right:21.9





(10%Imax) 516.745	—
(20%Imax) 1033.49	—
(30%Imax) 1550.23	—
(40%Imax) 2066.98	—
(50%Imax) 2583.72	—
(60%Imax) 3100.47	—
(70%Imax) 3617.21	—
(80%Imax) 4133.96	—
(90%Imax) 4650.7	—





House

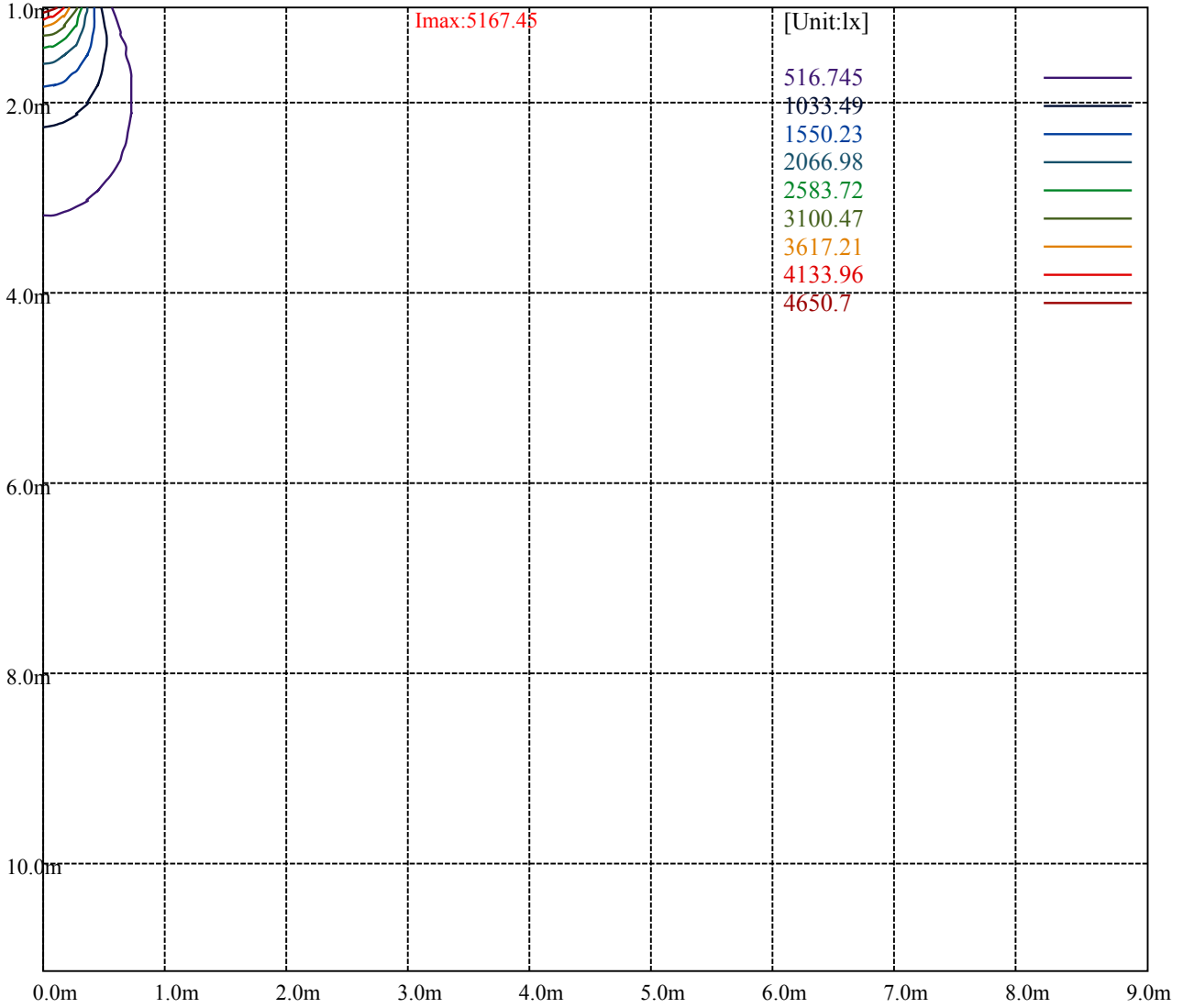
[Unit:cd]

Road

**Imax:5167.45**

(10%Imax)	516.745	—
(20%Imax)	1033.49	—
(30%Imax)	1550.23	—
(40%Imax)	2066.98	—
(50%Imax)	2583.72	—
(60%Imax)	3100.47	—
(70%Imax)	3617.21	—
(80%Imax)	4133.96	—
(90%Imax)	4650.7	—





Luminance Table

$\gamma$	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

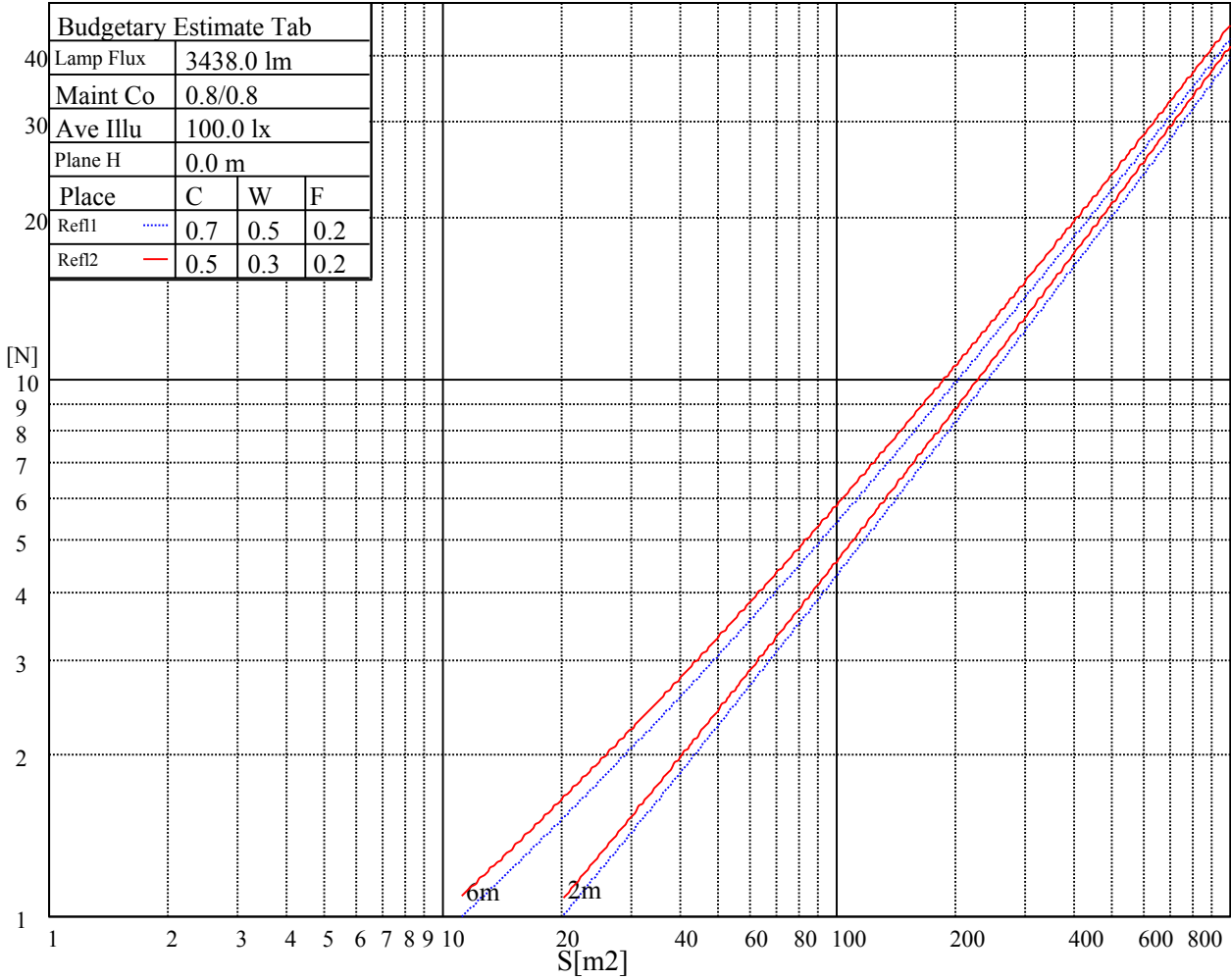
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

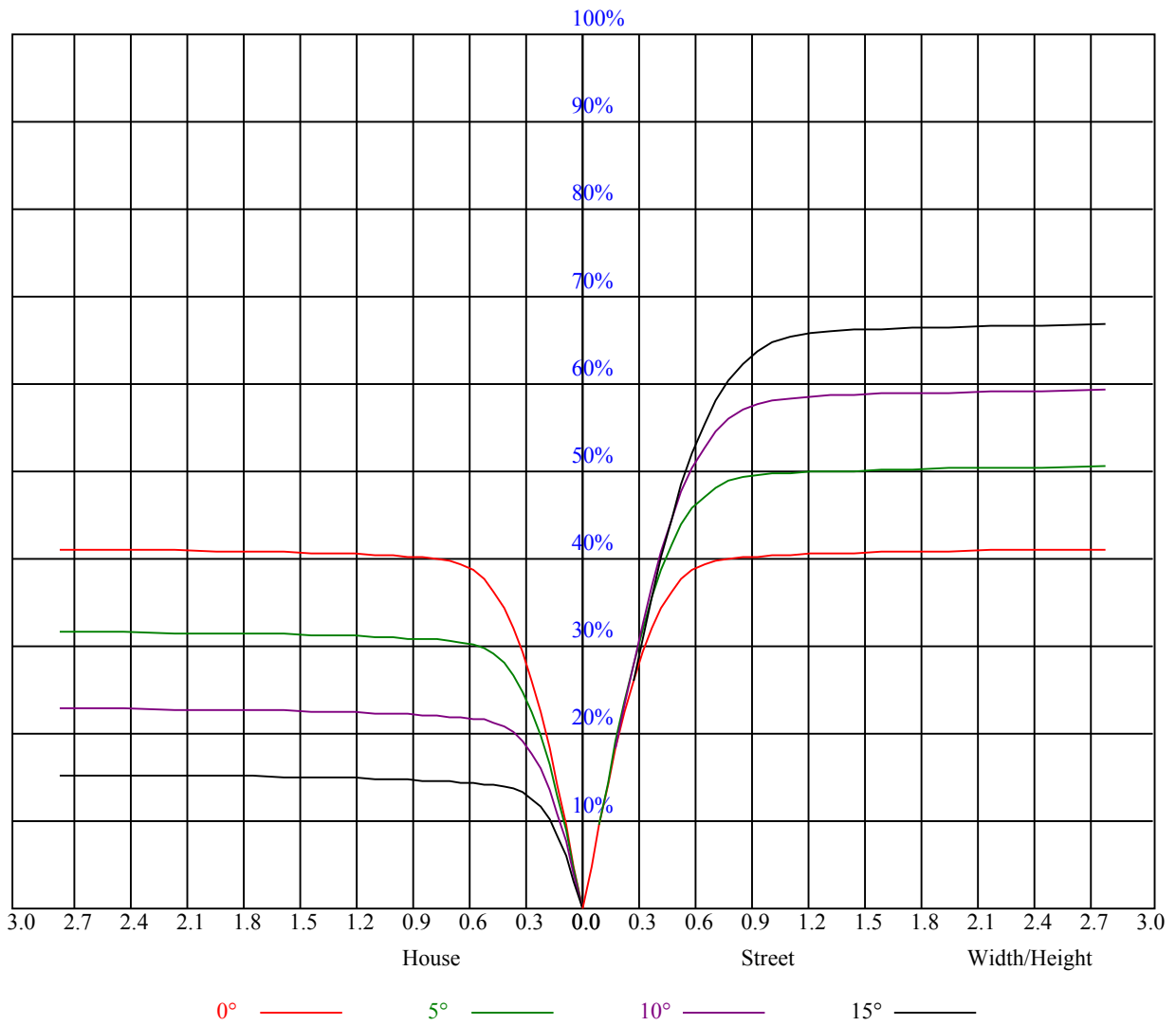


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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				

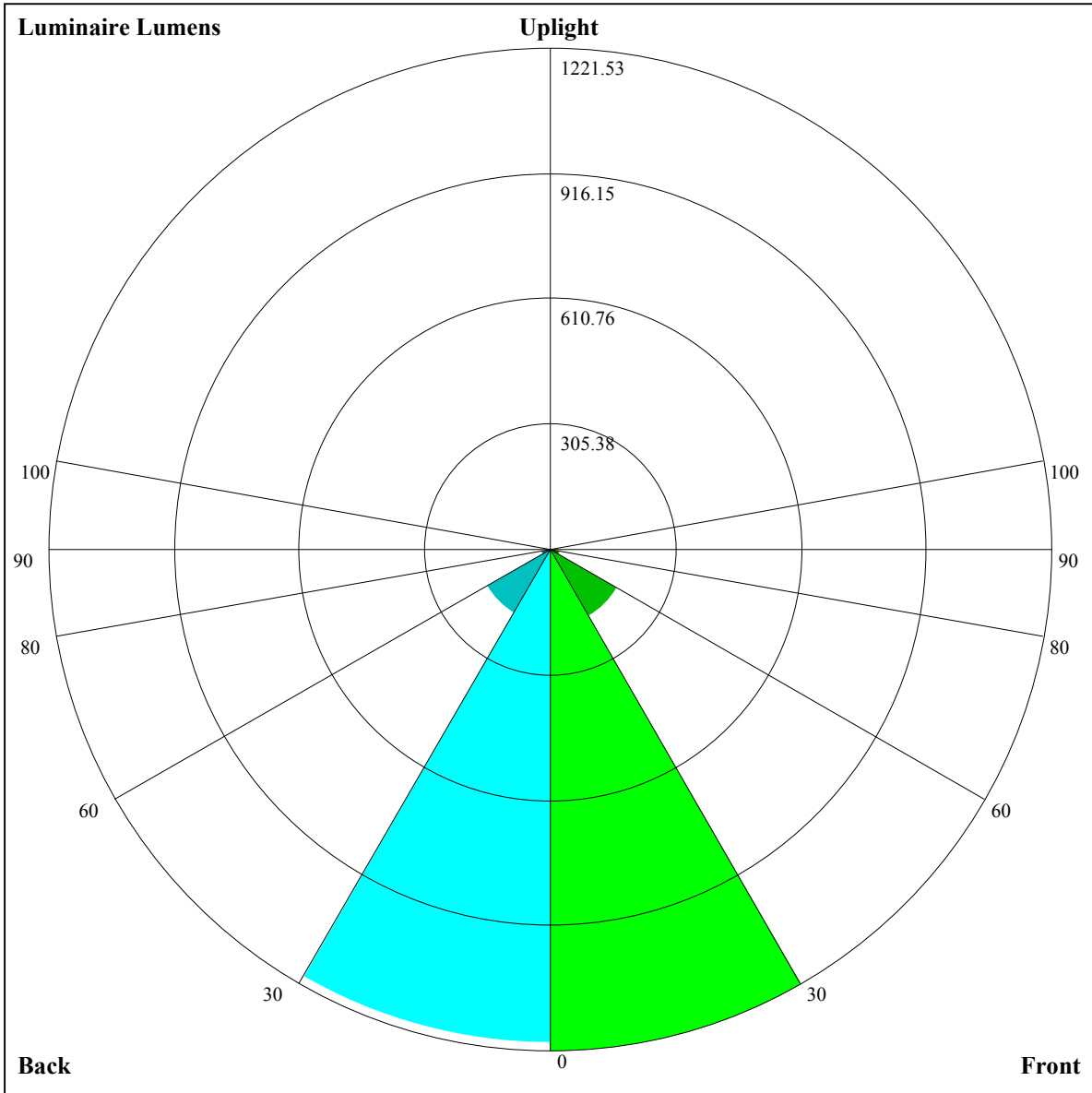
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.96	0.96	0.96	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	0.88	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	0.73
3	0.81	0.77	0.74	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.70	0.69
4	0.77	0.73	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.65
5	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.65	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.53
9	0.60	0.55	0.53	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	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	0.56	0.52	0.50	0.55	0.52	0.50	0.49







Luminaire Lumens:

FL=1221.53,FM=187.6,FH=24.58,FVH=7.75

BL=1201.12,BM=178.29,BH=25.05,BVH=7.71

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	5175.20	5165.25	5143.60	5112.58	5056.99	5004.32	4913.61	4838.70	4750.33
45.0	5161.16	5171.69	5165.25	5143.02	5108.49	5058.74	4990.27	4923.56	4849.23
90.0	5169.94	5156.48	5127.80	5082.74	5035.33	4972.72	4883.76	4795.39	4704.68
135.0	5163.50	5155.31	5151.21	5117.85	5076.89	5023.63	4953.99	4866.79	4787.78
180.0	5175.20	5164.67	5144.19	5113.17	5054.65	4996.71	4923.56	4850.99	4739.21
225.0	5161.16	5143.60	5111.41	5055.82	5006.07	4935.26	4841.04	4747.40	4628.60
270.0	5169.94	5164.08	5154.14	5118.44	5077.47	5022.46	4968.03	4872.64	4787.78
315.0	5163.50	5151.79	5114.93	5083.32	5035.33	4962.18	4889.61	4811.78	4693.56
360.0	5175.20	5165.25	5143.60	5112.58	5056.99	5004.32	4913.61	4838.70	4750.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4656.69	4526.77	4416.75	4292.68	4165.10	3999.49	3860.20	3708.63	3554.13
45.0	4740.38	4652.60	4549.60	4411.48	4294.44	4166.86	4035.18	3892.98	3708.63
90.0	4612.22	4481.13	4368.18	4241.18	4111.26	3948.57	3806.95	3614.41	3454.06
135.0	4690.64	4573.59	4470.59	4319.02	4203.14	4077.32	3935.11	3751.94	3597.44
180.0	4647.92	4547.84	4405.05	4282.15	4153.99	3988.37	3840.89	3655.96	3502.63
225.0	4520.34	4403.88	4252.89	4125.89	3990.12	3808.70	3658.89	3506.73	3335.84
270.0	4697.07	4605.19	4493.42	4343.60	4216.02	4056.25	3912.29	3760.13	3585.15
315.0	4588.81	4484.64	4346.52	4215.43	4090.78	3952.08	3769.49	3622.60	3464.01
360.0	4656.69	4526.77	4416.75	4292.68	4165.10	3999.49	3860.20	3708.63	3554.13
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3352.23	3179.00	2957.79	2773.44	2594.36	2387.78	2225.67	2058.29	1882.73
45.0	3547.11	3348.72	3179.59	2999.92	2775.78	2600.80	2429.91	2267.81	2055.37
90.0	3292.53	3074.83	2893.41	2712.58	2492.53	2325.74	2154.86	1983.39	1765.10
135.0	3435.33	3268.54	3045.57	2861.22	2680.39	2506.58	2298.24	2126.18	1904.38
180.0	3328.82	3146.23	2914.48	2728.96	2556.32	2388.36	2185.87	2019.08	1841.18
225.0	3116.97	2936.13	2745.35	2572.71	2362.61	2204.02	2038.98	1827.72	1655.66
270.0	3407.82	3230.50	3001.09	2811.48	2630.64	2454.49	2250.25	2086.97	1917.84
315.0	3252.15	3074.83	2893.41	2665.17	2490.19	2325.16	2119.16	1950.03	1777.39
360.0	3352.23	3179.00	2957.79	2773.44	2594.36	2387.78	2225.67	2058.29	1882.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1662.10	1357.78	1150.96	1150.96	961.93	821.95	689.51	538.00	427.62
45.0	1872.19	1691.36	1515.79	1299.26	1141.25	986.75	807.08	673.65	523.83
90.0	1585.43	1165.71	1165.71	1085.42	897.33	754.18	621.22	470.05	364.19
135.0	1722.96	1543.30	1327.35	1165.24	1008.99	824.06	689.45	565.97	451.85
180.0	1620.55	1449.08	1277.02	1072.19	918.28	774.31	609.28	493.99	388.06
225.0	1353.10	1150.44	1111.46	949.94	770.27	637.08	515.70	406.50	288.87
270.0	1745.20	1526.33	1356.61	1191.58	993.19	847.46	671.90	546.07	432.54
315.0	1562.02	1133.29	1133.29	1055.86	866.89	730.77	603.95	488.31	359.56
360.0	1662.10	1357.78	1150.96	1150.96	961.93	821.95	689.51	538.00	427.62
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	328.84	223.26	155.67	107.27	78.19	69.23	62.27	56.30	52.96
45.0	412.64	314.91	314.91	139.58	99.90	79.12	67.94	61.16	56.65
90.0	253.23	179.96	126.82	88.90	75.96	68.00	61.68	56.30	52.96
135.0	350.02	303.21	303.21	118.98	91.76	77.13	69.58	62.62	58.64
180.0	296.77	296.77	138.46	102.71	84.33	73.04	66.25	61.39	56.94
225.0	210.62	147.89	106.86	81.40	72.16	63.50	58.93	55.30	52.38
270.0	332.47	309.64	210.27	110.20	84.74	71.63	64.43	59.11	55.30
315.0	270.61	196.28	138.23	93.52	77.02	67.13	61.10	56.88	52.90
360.0	328.84	223.26	155.67	107.27	78.19	69.23	62.27	56.30	52.96

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	50.15	47.75	45.30	43.54	41.96	40.56	39.15	38.10	37.16
45.0	52.96	50.10	47.11	45.12	43.37	41.32	40.09	38.57	37.51
90.0	50.15	47.81	45.65	43.48	41.90	40.15	38.92	37.81	36.58
135.0	55.42	52.09	49.74	47.64	45.35	43.77	42.25	40.97	39.50
180.0	53.90	51.38	48.63	46.70	44.95	43.13	41.73	40.44	39.21
225.0	49.39	47.34	45.47	43.48	42.02	40.67	39.50	38.16	37.22
270.0	51.56	49.04	46.88	44.54	42.96	41.49	39.85	38.68	37.40
315.0	50.21	47.99	45.94	43.77	42.19	40.91	39.74	38.33	37.28
360.0	50.15	47.75	45.30	43.54	41.96	40.56	39.15	38.10	37.16
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.99	35.23	34.18	33.47	32.77	32.07	31.19	30.43	29.73
45.0	36.58	35.46	34.65	33.83	33.07	32.19	31.54	30.90	30.14
90.0	35.64	34.82	33.83	33.07	32.36	31.66	30.78	30.08	29.44
135.0	38.39	37.45	36.52	35.41	34.59	33.71	32.83	32.13	31.19
180.0	37.69	36.75	35.82	34.94	33.88	33.18	32.19	31.43	30.67
225.0	36.23	35.17	34.35	33.47	32.42	31.54	30.72	29.85	29.09
270.0	36.40	35.46	34.47	33.65	32.71	31.95	31.25	30.49	29.61
315.0	36.40	35.35	34.53	33.77	32.83	32.07	31.31	30.37	29.67
360.0	35.99	35.23	34.18	33.47	32.77	32.07	31.19	30.43	29.73
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	29.14	28.27	27.62	26.92	26.04	25.87	26.28	26.98	26.39
45.0	29.32	28.68	28.03	27.33	26.39	25.75	24.87	24.17	23.41
90.0	28.56	27.92	27.21	26.45	25.52	24.81	23.94	23.23	22.59
135.0	30.43	29.73	28.97	28.03	27.27	26.57	25.81	25.05	24.35
180.0	29.73	28.97	28.21	27.39	27.39	27.80	28.44	29.03	28.50
225.0	28.38	27.45	26.69	25.93	25.16	24.29	23.58	22.88	22.18
270.0	28.85	28.09	27.21	26.45	25.52	24.81	24.11	23.23	22.53
315.0	28.85	28.15	27.27	26.51	25.75	24.99	24.17	23.47	22.71
360.0	29.14	28.27	27.62	26.92	26.04	25.87	26.28	26.98	26.39
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.57	24.17	22.77	21.54	20.13	19.08	18.32	17.73	17.15
45.0	22.53	21.77	21.01	20.25	19.49	18.96	18.43	17.97	17.44
90.0	21.95	21.19	20.83	20.42	20.01	19.55	19.02	18.43	17.50
135.0	23.70	23.29	22.88	22.65	22.30	22.18	21.71	20.25	19.66
180.0	27.74	26.86	25.05	23.82	22.77	21.30	20.31	19.08	18.20
225.0	21.30	20.48	19.78	19.20	18.67	18.14	17.67	17.21	16.74
270.0	21.89	21.24	20.42	19.90	19.49	19.14	18.73	18.32	17.85
315.0	22.18	21.59	20.95	20.60	20.19	19.90	19.55	18.67	17.91
360.0	25.57	24.17	22.77	21.54	20.13	19.08	18.32	17.73	17.15
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.68	16.09	15.57	14.81	14.05	13.23	12.64	12.41	12.23
45.0	16.97	16.33	15.80	15.27	14.51	13.69	12.82	12.47	12.29
90.0	16.50	15.80	15.22	14.51	13.34	12.76	12.47	12.29	12.11
135.0	18.32	16.68	15.98	15.22	14.05	12.93	12.52	12.35	12.17
180.0	17.32	16.33	15.45	14.51	13.40	12.76	12.52	12.29	12.17
225.0	16.09	15.39	14.69	13.64	12.82	12.58	12.41	12.17	12.11
270.0	17.09	16.33	15.33	14.57	13.58	12.87	12.52	12.35	12.11
315.0	16.85	15.92	15.39	14.22	13.34	12.76	12.41	12.17	12.06
360.0	16.68	16.09	15.57	14.81	14.05	13.23	12.64	12.41	12.23

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	12.11
45.0	12.17
90.0	12.11
135.0	12.06
180.0	12.17
225.0	12.11
270.0	12.11
315.0	12.06
360.0	12.11