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Nata

Client:

LumCAT: 2-2759-L

Luminaire: 92.70.412.00

Report No: 2024822-B015

Ballast type: AC

Test No: 2024822-C015

Voltage(V): 34.910

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.100

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3084.81, Efficiency(%): 93.17% , Luminous Efficacy(lm/W): 153.47

Central intensity(cd): 6386.356, Maximum intensity(cd): 6386.356

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=38.2

[C90/270]Total=38.2

Field angle(10%Imax): [C0/180]Total=68.8

[C90/270]Total=68.8

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.65 C90_270=0.65

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.17%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.254%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/22
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6386.357	0.000	0	0.00%	0.00%
1.0	6376.035	6.107	6.107	0.18%	0.20%
2.0	6334.123	18.243	24.349	0.55%	0.79%
3.0	6267.053	30.138	54.487	0.91%	1.77%
4.0	6190.226	41.698	96.186	1.26%	3.12%
5.0	6066.330	52.727	148.913	1.59%	4.83%
6.0	5924.254	63.014	211.927	1.90%	6.87%
7.0	5784.201	72.674	284.601	2.19%	9.23%
8.0	5598.668	81.465	366.066	2.46%	11.87%
9.0	5414.174	89.253	455.319	2.70%	14.76%
10.0	5209.765	96.143	551.462	2.90%	17.88%
11.0	4992.045	101.937	653.399	3.08%	21.18%
12.0	4769.541	106.708	760.107	3.22%	24.64%
13.0	4546.393	110.557	870.663	3.34%	28.22%
14.0	4320.605	113.497	984.16	3.43%	31.90%
15.0	4102.536	115.637	1099.797	3.49%	35.65%
16.0	3873.140	116.866	1216.663	3.53%	39.44%
17.0	3630.761	116.856	1333.519	3.53%	43.23%
18.0	3431.648	116.444	1449.962	3.52%	47.00%
19.0	3210.110	115.553	1565.515	3.49%	50.75%
20.0	3001.450	113.689	1679.204	3.43%	54.43%
21.0	2784.715	111.106	1790.31	3.36%	58.04%
22.0	2579.196	107.790	1898.1	3.26%	61.53%
23.0	2386.896	104.202	2002.302	3.15%	64.91%
24.0	2205.049	100.396	2102.699	3.03%	68.16%
25.0	2059.648	96.970	2199.669	2.93%	71.31%
26.0	1884.339	93.098	2292.767	2.81%	74.32%
27.0	1696.008	87.594	2380.361	2.65%	77.16%
28.0	1546.264	82.087	2462.449	2.48%	79.83%
29.0	1410.416	77.355	2539.804	2.34%	82.33%
30.0	1273.366	72.462	2612.265	2.19%	84.68%
31.0	1100.573	66.063	2678.328	2.00%	86.82%
32.0	952.906	58.830	2737.158	1.78%	88.73%
33.0	829.443	52.509	2789.667	1.59%	90.43%
34.0	693.556	46.090	2835.757	1.39%	91.93%
35.0	565.783	39.110	2874.868	1.18%	93.19%
36.0	466.532	32.869	2907.737	0.99%	94.26%
37.0	377.129	27.515	2935.252	0.83%	95.15%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	284.731	22.092	2957.344	0.67%	95.87%
39.0	210.815	16.914	2974.259	0.51%	96.42%
40.0	165.230	13.115	2987.374	0.40%	96.84%
41.0	144.061	11.014	2998.387	0.33%	97.20%
42.0	98.627	8.817	3007.205	0.27%	97.48%
43.0	77.503	6.524	3013.729	0.20%	97.70%
44.0	65.907	5.413	3019.142	0.16%	97.87%
45.0	58.068	4.765	3023.906	0.14%	98.03%
46.0	51.308	4.277	3028.184	0.13%	98.16%
47.0	45.309	3.843	3032.026	0.12%	98.29%
48.0	40.716	3.478	3035.504	0.11%	98.40%
49.0	36.564	3.174	3038.678	0.10%	98.50%
50.0	33.036	2.902	3041.579	0.09%	98.60%
51.0	30.026	2.668	3044.247	0.08%	98.69%
52.0	27.464	2.467	3046.714	0.07%	98.77%
53.0	25.177	2.290	3049.004	0.07%	98.84%
54.0	23.436	2.143	3051.147	0.06%	98.91%
55.0	21.721	2.016	3053.163	0.06%	98.97%
56.0	20.243	1.896	3055.059	0.06%	99.04%
57.0	19.139	1.801	3056.86	0.05%	99.09%
58.0	18.049	1.720	3058.579	0.05%	99.15%
59.0	17.096	1.643	3060.222	0.05%	99.20%
60.0	16.222	1.574	3061.796	0.05%	99.25%
61.0	15.572	1.517	3063.314	0.05%	99.30%
62.0	14.796	1.463	3064.777	0.04%	99.35%
63.0	14.113	1.406	3066.183	0.04%	99.40%
64.0	13.456	1.353	3067.536	0.04%	99.44%
65.0	12.707	1.295	3068.831	0.04%	99.48%
66.0	12.070	1.236	3070.067	0.04%	99.52%
67.0	11.432	1.182	3071.249	0.04%	99.56%
68.0	10.756	1.124	3072.373	0.03%	99.60%
69.0	10.092	1.064	3073.436	0.03%	99.63%
70.0	9.448	1.004	3074.44	0.03%	99.66%
71.0	8.791	0.943	3075.382	0.03%	99.69%
72.0	8.226	0.885	3076.267	0.03%	99.72%
73.0	7.753	0.836	3077.103	0.03%	99.75%
74.0	7.273	0.790	3077.893	0.02%	99.78%
75.0	6.774	0.742	3078.635	0.02%	99.80%

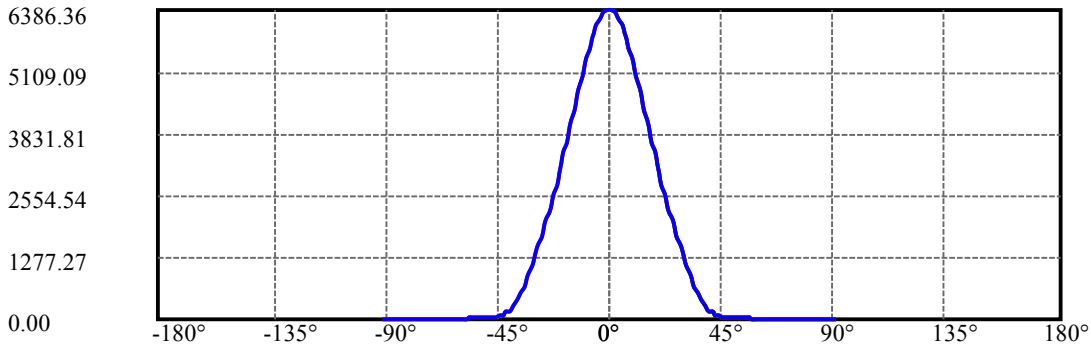
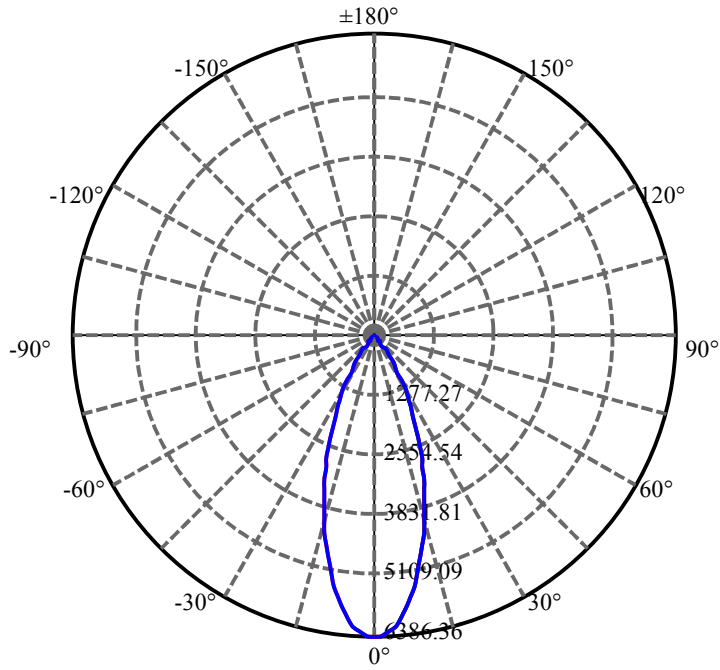
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.360	0.697	3079.332	0.02%	99.82%
77.0	5.900	0.654	3079.986	0.02%	99.84%
78.0	5.526	0.612	3080.597	0.02%	99.86%
79.0	5.026	0.567	3081.164	0.02%	99.88%
80.0	4.606	0.519	3081.684	0.02%	99.90%
81.0	4.218	0.477	3082.161	0.01%	99.91%
82.0	3.824	0.436	3082.597	0.01%	99.93%
83.0	3.456	0.396	3082.993	0.01%	99.94%
84.0	3.101	0.357	3083.35	0.01%	99.95%
85.0	2.779	0.321	3083.671	0.01%	99.96%
86.0	2.457	0.286	3083.957	0.01%	99.97%
87.0	2.162	0.253	3084.21	0.01%	99.98%
88.0	1.892	0.222	3084.432	0.01%	99.99%
89.0	1.682	0.196	3084.628	0.01%	99.99%
90.0	1.557	0.178	3084.805	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2612.27	78.90%	84.68%
0-40	2987.37	90.23%	96.84%
0-60	3061.80	92.47%	99.25%
0-90	3084.63	93.16%	99.99%
0-120	3084.63	93.16%	99.99%
0-180	3084.81	93.17%	100.00%
60-90	22.83	0.69%	0.74%
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%
0-28.07	2467.84	74.53%	80.00%

ZONAL LUMEN SUMMARY

0-10	551.46
10-20	1127.74
20-30	933.06
30-40	375.11
40-50	54.21
50-60	20.22
60-70	12.64
70-80	7.24
80-90	2.94
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: ———

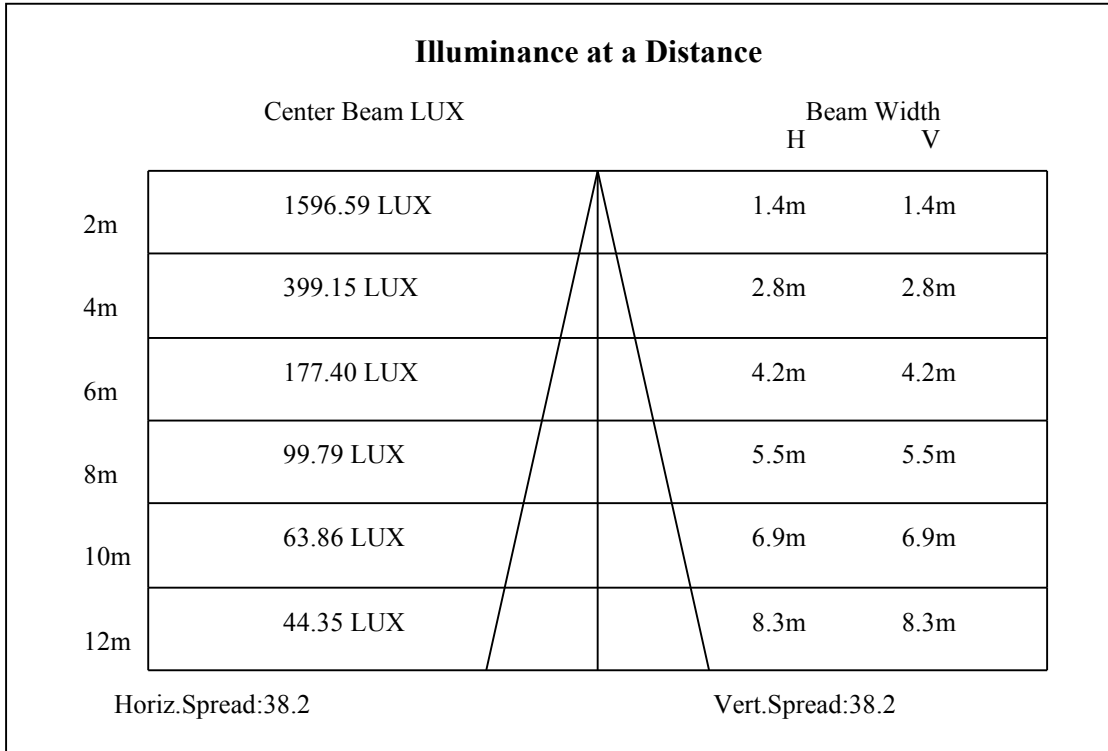
C90/C270: ———

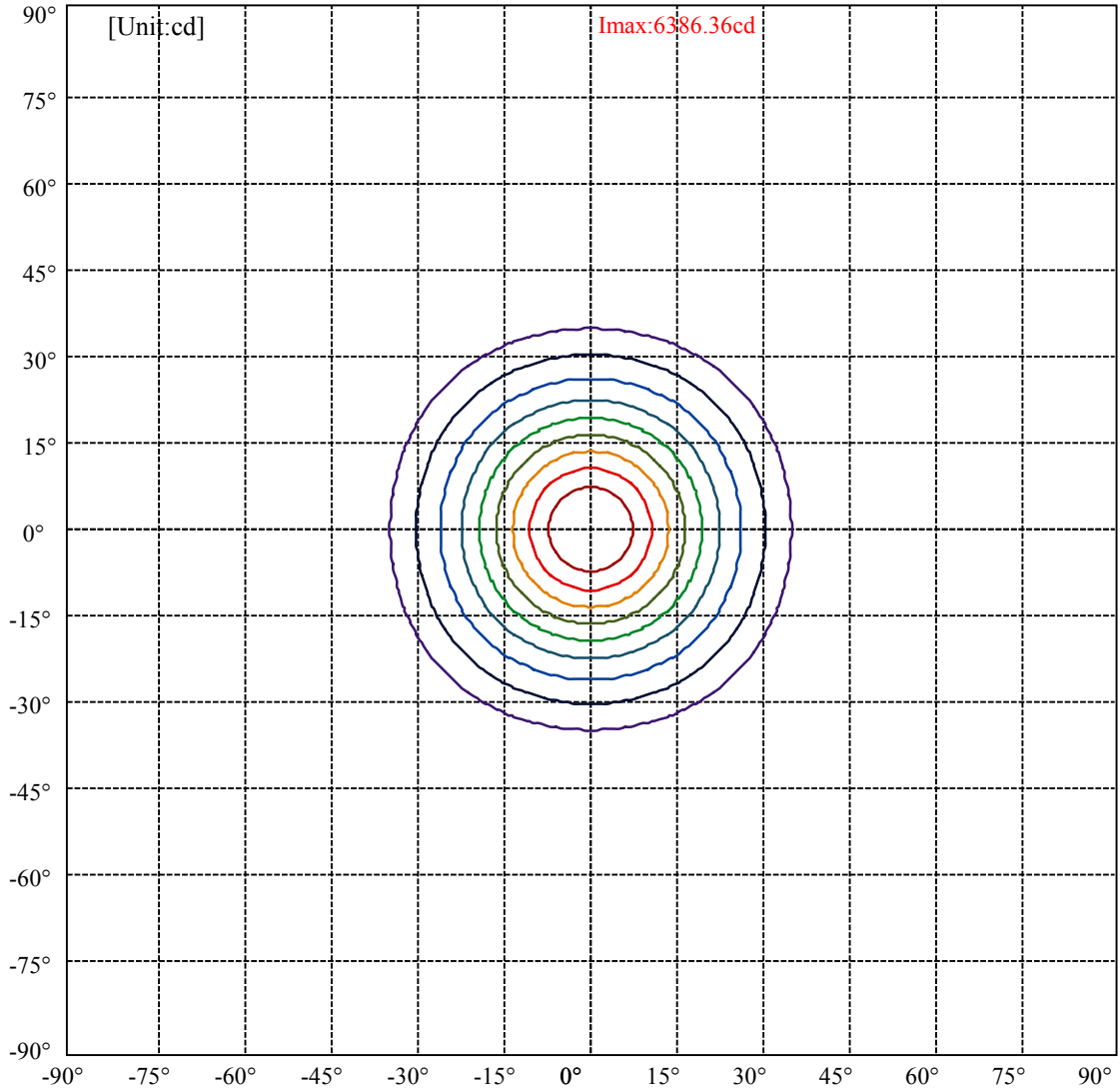
Field angle(10%Imax):C0/180Left:34.4 Right:34.4

:C90/270Left:34.4 Right:34.4

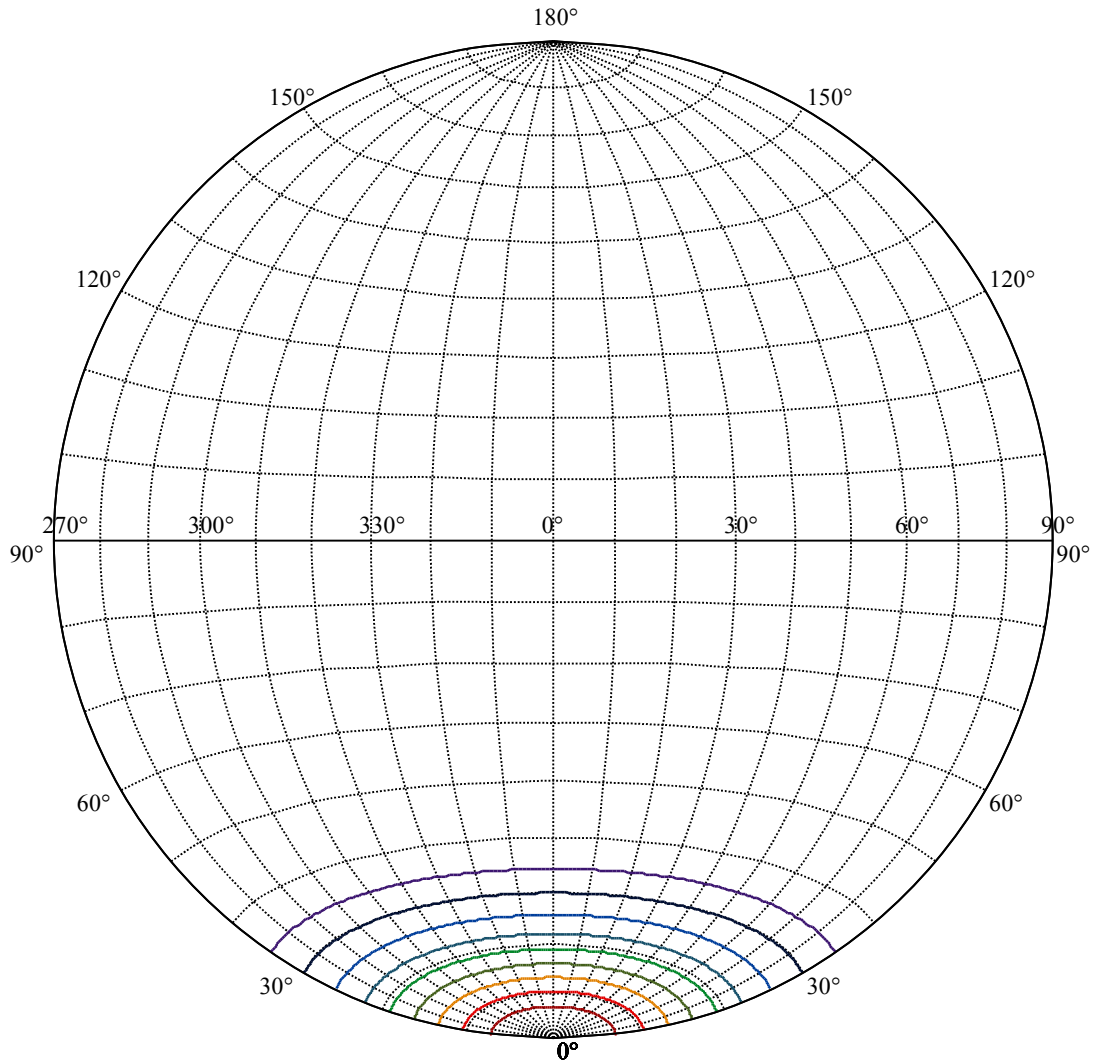
Beam Angle(50%Imax):C0/180Left:19.1 Right:19.1

:C90/270Left:19.1 Right:19.1





(10%Imax) 638.636	—
(20%Imax) 1277.27	—
(30%Imax) 1915.91	—
(40%Imax) 2554.54	—
(50%Imax) 3193.18	—
(60%Imax) 3831.81	—
(70%Imax) 4470.45	—
(80%Imax) 5109.08	—
(90%Imax) 5747.72	—



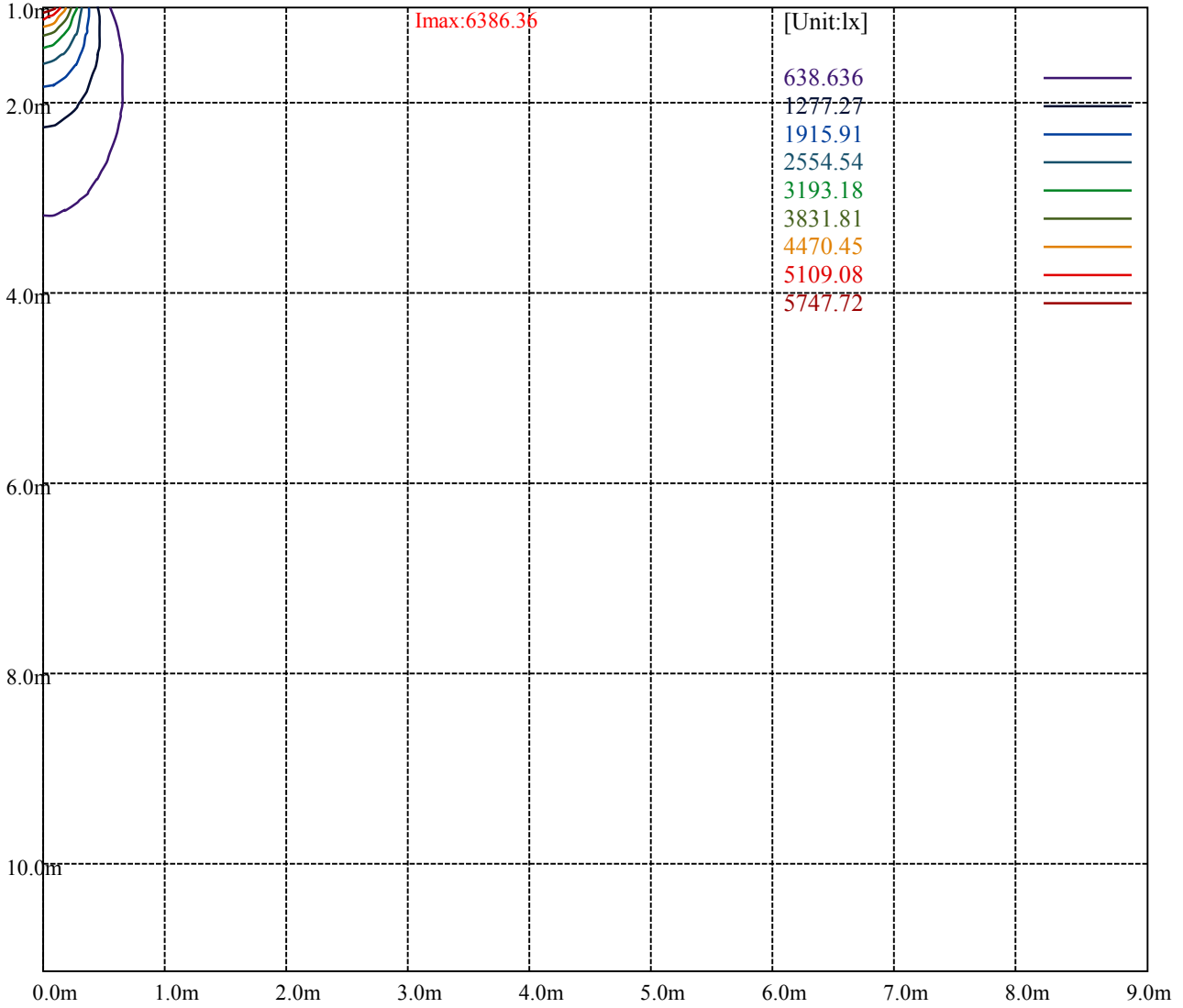
House

[Unit:cd]

Road

Imax:6386.36

(10%Imax) 638.636	—
(20%Imax) 1277.27	—
(30%Imax) 1915.91	—
(40%Imax) 2554.54	—
(50%Imax) 3193.18	—
(60%Imax) 3831.81	—
(70%Imax) 4470.45	—
(80%Imax) 5109.08	—
(90%Imax) 5747.72	—



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

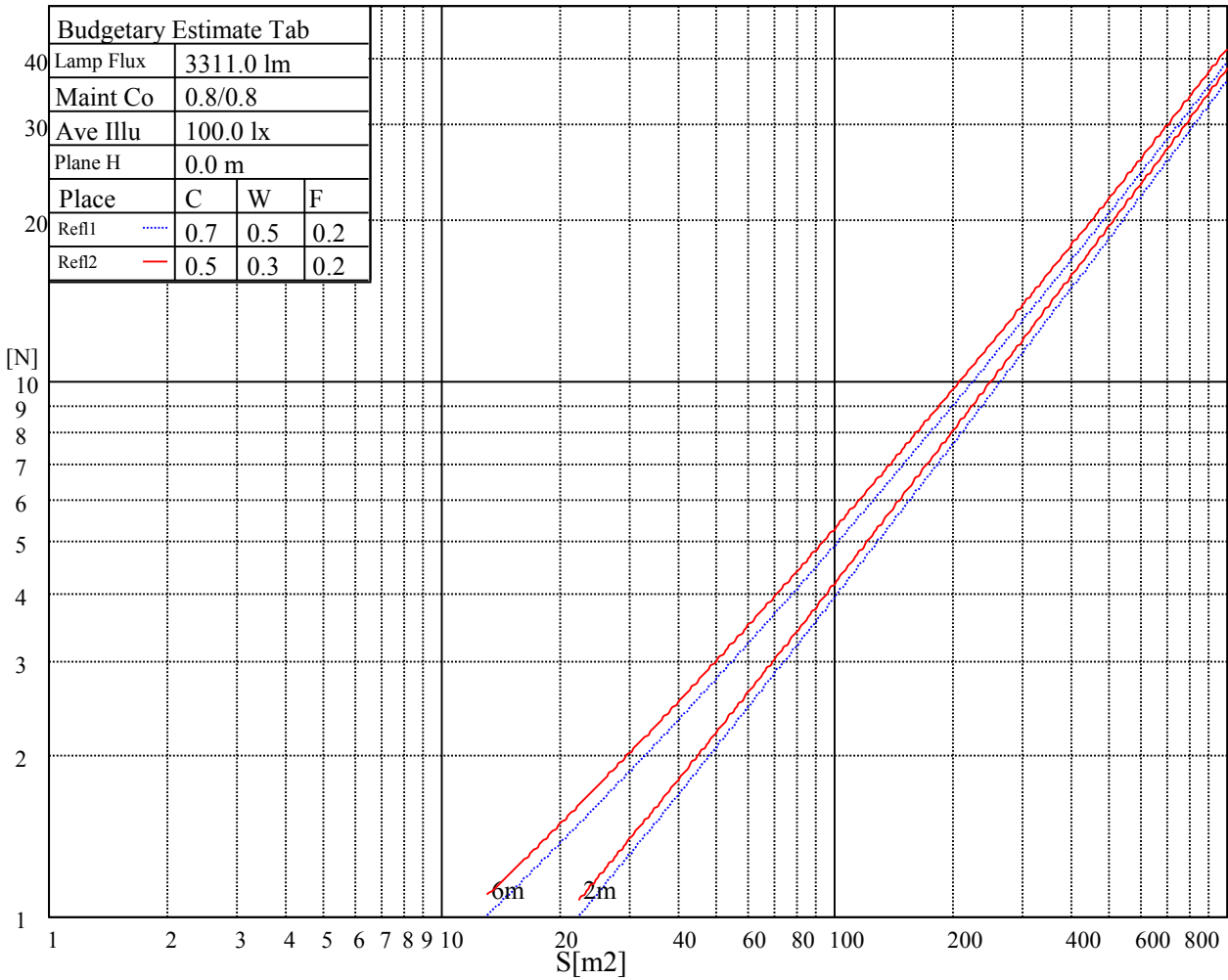
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

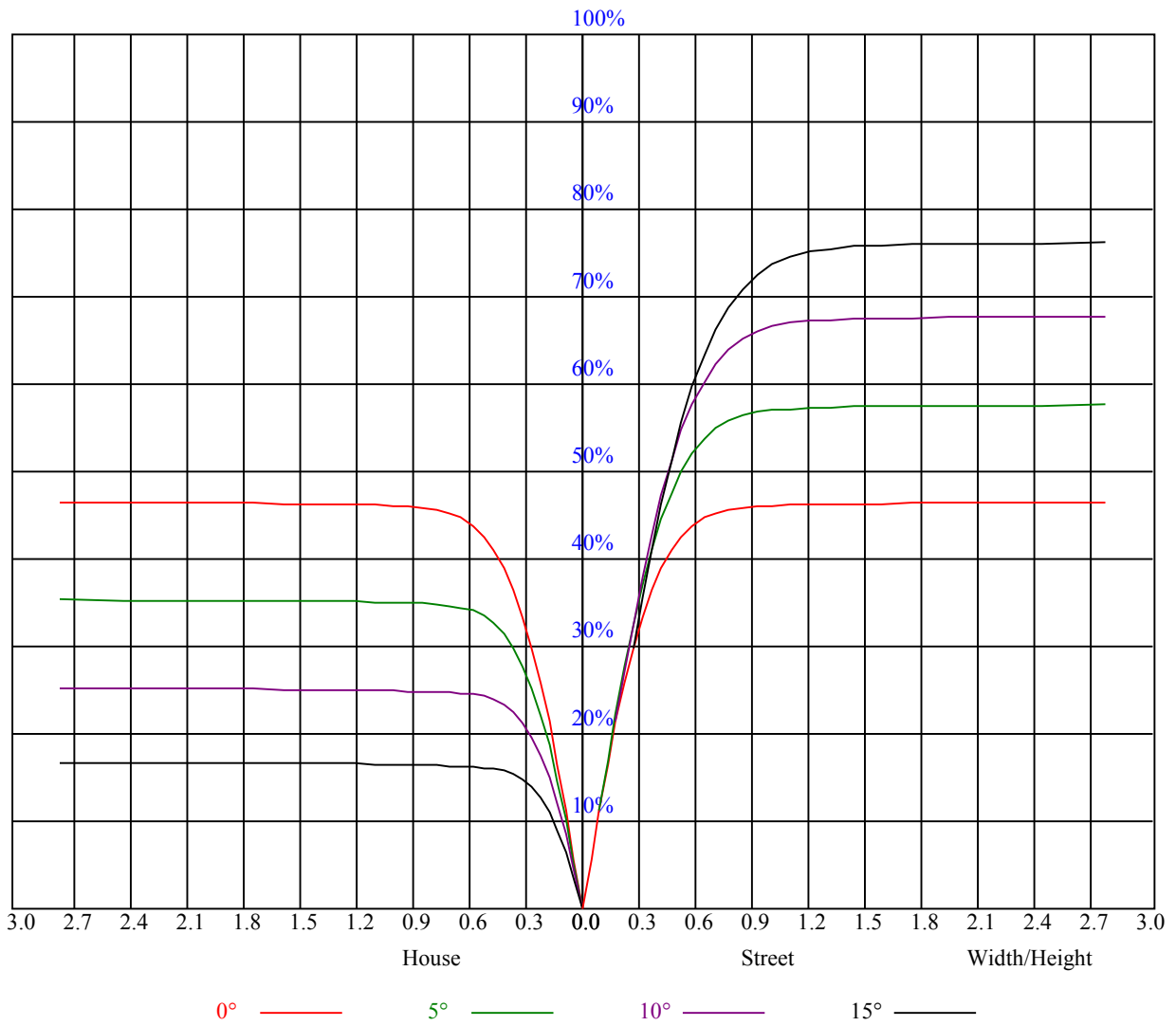


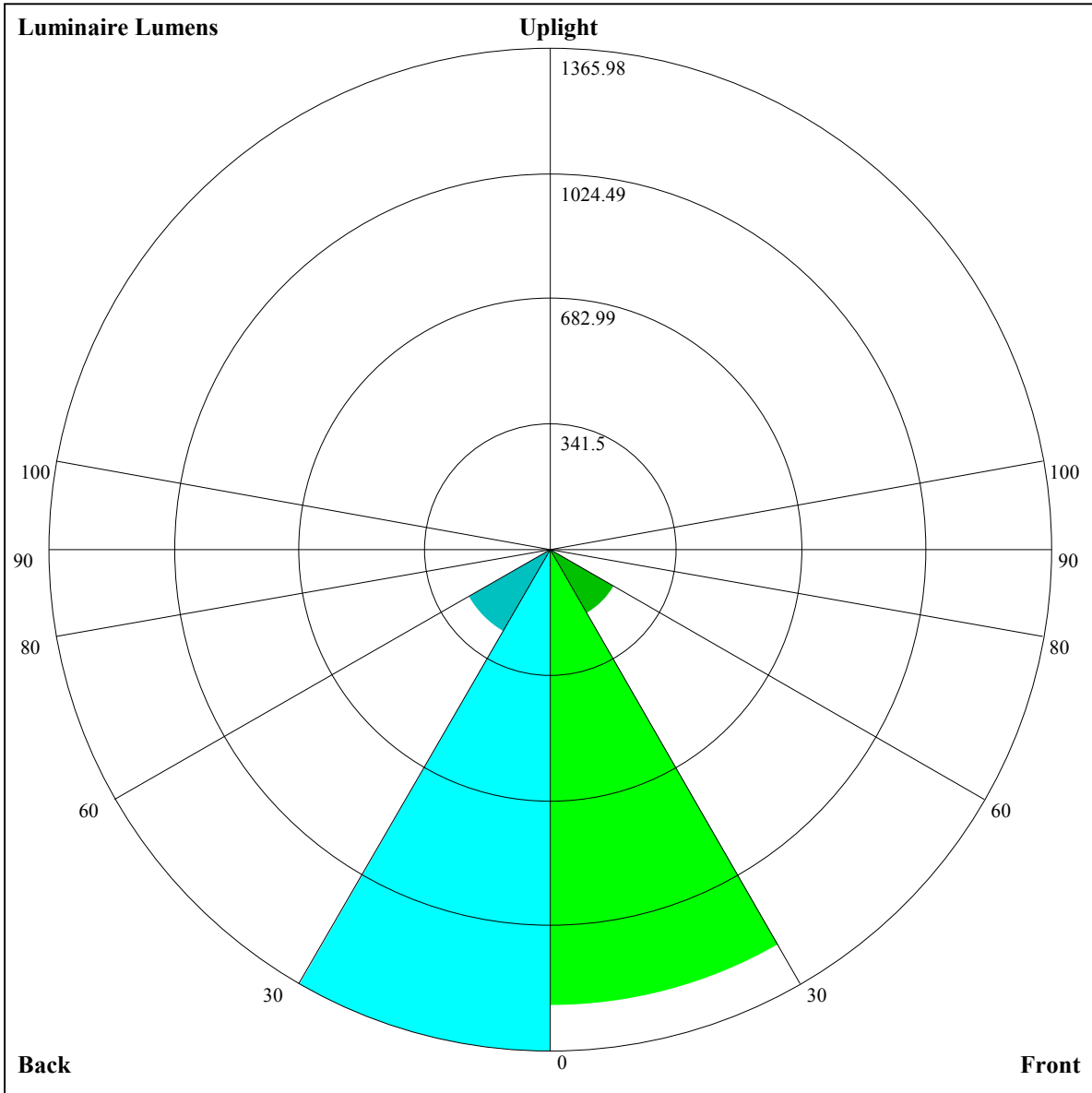
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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	
	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	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	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 RHOFC=20 CU															
0	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.94	0.92	0.96	0.93	0.90	0.93	0.91	0.89	0.90	0.88	0.87	0.88	0.86	0.85	0.83
3	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.71
6	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.58
10	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.56





Luminaire Lumens:

FL=1245.19,FM=202.7,FH=9.62,FVH=1.51

BL=1365.98,BM=257.06,BH=10.05,BVH=1.62

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	6344.71	6265.03	6143.03	6020.98	5905.66	5706.76	5549.65	5357.96	5135.67
45.0	6427.18	6367.00	6291.78	6176.46	6032.70	5868.34	5675.54	5469.97	5251.57
90.0	6349.71	6278.38	6148.03	5997.01	5891.15	5711.76	5428.71	5297.77	5059.35
135.0	6423.82	6417.67	6387.03	6304.03	6217.67	6093.99	5961.38	5810.36	5626.50
180.0	6344.71	6402.64	6431.65	6442.74	6418.25	6348.60	6274.49	6173.10	6047.74
225.0	6427.18	6469.50	6468.39	6443.90	6420.46	6330.21	6241.06	6176.46	5977.51
270.0	6349.71	6407.11	6447.21	6460.61	6430.50	6371.99	6297.36	6195.96	6074.49
315.0	6423.82	6400.96	6355.86	6290.68	6205.42	6098.98	5965.84	5792.02	5616.51
360.0	6344.71	6265.03	6143.03	6020.98	5905.66	5706.76	5549.65	5357.96	5135.67
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4915.59	4711.65	4506.60	4286.52	4071.49	3829.13	3604.00	3366.68	3133.20
45.0	5023.66	4798.59	4562.32	4327.79	4090.99	3862.56	3624.66	3426.86	3159.43
90.0	4837.01	4599.69	4372.36	4149.49	3907.65	3673.65	3428.49	3189.49	2966.63
135.0	5429.86	5211.41	4964.06	4703.29	4484.90	4276.54	4056.98	3816.30	3592.86
180.0	5891.15	5697.30	5491.68	5285.00	5070.49	4842.58	4609.15	4464.29	4146.71
225.0	5874.44	5684.48	5478.85	5253.78	5041.48	4810.84	4573.46	4328.89	4102.66
270.0	5931.31	5771.94	5573.57	5363.00	5154.07	4944.55	4814.73	4500.51	4265.39
315.0	5410.36	5203.06	4986.92	4787.45	4550.07	4325.00	4108.81	3892.10	3579.22
360.0	4915.59	4711.65	4506.60	4286.52	4071.49	3829.13	3604.00	3366.68	3133.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2911.49	2714.80	2532.04	2358.74	2195.54	2042.84	1891.30	1805.52	1599.37
45.0	2973.30	2761.06	2547.07	2353.75	2176.03	2012.78	1860.08	1717.48	1579.29
90.0	2762.69	2556.53	2358.74	2176.03	2017.77	1878.48	1732.51	1575.40	1447.78
135.0	3376.72	3160.53	3027.92	2715.90	2494.72	2363.21	2095.25	2003.31	1843.95
180.0	4003.53	3763.37	3514.85	3270.86	3037.95	2808.94	2603.89	2401.69	2223.92
225.0	3860.30	3619.61	3369.47	3114.28	2871.91	2633.43	2413.35	2284.10	2023.92
270.0	4124.95	3898.77	3666.44	3424.60	3180.56	2961.06	2753.22	2558.80	2371.57
315.0	3440.22	3206.21	2995.06	2863.55	2659.08	2394.43	2290.78	2130.88	1984.92
360.0	2911.49	2714.80	2532.04	2358.74	2195.54	2042.84	1891.30	1805.52	1599.37
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1436.64	1106.28	1037.48	1003.84	841.42	690.57	550.07	421.29	307.44
45.0	1429.44	1272.28	1111.85	954.17	804.26	665.55	535.72	416.51	307.86
90.0	1062.66	1062.66	963.37	812.14	669.96	543.39	434.06	336.03	243.05
135.0	1688.52	1531.93	1358.64	1182.60	1017.14	864.44	723.47	594.80	485.05
180.0	2056.25	1894.09	1748.12	1608.83	1452.83	1299.61	1151.96	999.84	847.73
225.0	1853.41	1762.05	1624.44	1489.57	1345.86	1037.58	1037.58	895.40	762.00
270.0	2202.21	2048.99	1898.56	1760.95	1618.87	1467.86	1305.71	1140.24	971.99
315.0	1838.95	1691.83	1540.87	1374.82	1054.25	1054.25	896.98	744.34	601.16
360.0	1436.64	1106.28	1037.48	1003.84	841.42	690.57	550.07	421.29	307.44
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.67	144.28	106.18	88.99	76.11	65.91	59.87	52.14	47.36
45.0	307.86	287.25	121.79	97.50	83.94	73.01	65.02	57.82	51.67
90.0	176.98	135.03	110.85	94.61	81.79	71.70	63.39	58.98	49.88
135.0	384.18	295.61	295.61	158.42	130.04	108.49	91.88	79.11	69.28
180.0	705.13	621.55	441.58	329.57	289.46	289.46	117.90	94.24	80.47
225.0	635.27	509.28	392.54	290.09	203.31	138.29	100.66	89.72	72.01
270.0	814.30	667.75	532.93	434.90	325.10	304.49	204.31	113.69	92.04
315.0	494.88	356.27	276.37	192.43	132.09	101.13	85.99	74.32	64.55
360.0	213.67	144.28	106.18	88.99	76.11	65.91	59.87	52.14	47.36

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	42.10	37.53	33.80	30.59	27.81	25.49	23.71	22.13	20.60
45.0	46.10	40.84	36.53	32.85	29.70	27.17	24.97	23.50	21.60
90.0	46.57	41.84	37.69	34.11	31.01	28.49	26.23	24.34	22.65
135.0	61.13	54.40	48.67	43.89	39.95	36.48	33.53	30.96	28.75
180.0	68.70	60.97	54.19	48.30	43.26	38.90	35.22	32.06	29.28
225.0	65.23	57.66	48.41	44.89	40.00	35.64	31.85	28.54	25.97
270.0	77.63	66.54	58.08	51.04	44.94	39.68	35.32	31.43	27.96
315.0	57.08	50.67	45.10	40.05	35.85	32.43	29.38	26.75	24.60
360.0	42.10	37.53	33.80	30.59	27.81	25.49	23.71	22.13	20.60
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.34	18.13	17.14	16.45	15.82	15.24	14.72	14.14	13.46
45.0	20.39	19.08	17.71	16.87	16.14	15.30	14.51	13.88	13.25
90.0	21.08	19.66	18.45	17.24	16.35	15.45	14.56	13.98	13.04
135.0	26.96	25.34	23.81	22.39	21.03	20.29	18.61	17.98	16.98
180.0	26.96	25.65	23.13	22.18	20.81	19.08	18.40	17.35	16.40
225.0	23.76	21.92	20.34	19.03	17.77	16.61	15.45	14.93	14.03
270.0	26.23	22.65	21.34	19.50	18.08	16.98	15.93	15.14	14.45
315.0	22.76	21.34	20.03	19.45	18.40	17.82	17.61	17.19	16.77
360.0	19.34	18.13	17.14	16.45	15.82	15.24	14.72	14.14	13.46
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.09	12.25	11.62	11.35	10.88	10.41	9.88	8.78	7.99
45.0	12.51	11.67	11.09	10.41	9.78	9.20	8.67	8.30	7.73
90.0	12.25	11.62	10.62	9.88	9.36	8.67	8.09	7.62	7.15
135.0	16.08	15.19	14.24	13.19	12.19	11.30	10.41	9.62	8.94
180.0	15.51	14.77	13.98	13.14	12.30	11.56	10.78	10.09	9.36
225.0	13.35	13.04	12.25	11.98	11.56	10.83	10.04	9.46	8.88
270.0	13.88	13.35	12.83	12.40	12.04	11.56	11.14	10.67	10.04
315.0	16.24	15.77	15.03	14.19	13.35	12.51	11.72	11.04	10.25
360.0	13.09	12.25	11.62	11.35	10.88	10.41	9.88	8.78	7.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.46	6.99	6.57	6.15	5.62	5.20	4.78	4.36	3.94
45.0	7.15	6.94	6.25	5.73	5.52	4.94	4.63	4.15	3.78
90.0	6.73	6.25	5.78	5.26	4.89	4.47	3.99	3.57	3.15
135.0	8.46	8.04	7.62	7.04	6.62	6.25	5.68	5.15	4.94
180.0	8.73	8.20	7.73	7.31	6.94	6.41	6.15	5.68	5.05
225.0	8.36	7.83	7.46	6.94	6.52	6.10	5.73	5.26	4.78
270.0	9.41	8.83	8.30	7.88	7.36	6.89	6.62	6.04	5.68
315.0	9.51	8.94	8.46	7.88	7.41	6.94	6.62	5.99	5.52
360.0	7.46	6.99	6.57	6.15	5.62	5.20	4.78	4.36	3.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.63	3.26	2.89	2.63	2.26	2.05	1.79	1.42	1.42
45.0	3.36	2.94	2.63	2.37	2.10	1.89	1.52	1.37	1.31
90.0	2.89	2.63	2.31	2.10	1.84	1.58	1.42	1.42	1.42
135.0	4.31	3.94	3.68	3.26	2.94	2.63	2.31	2.00	1.37
180.0	4.78	4.21	3.89	3.36	3.10	2.63	2.31	2.05	1.84
225.0	4.52	4.10	3.68	3.21	2.94	2.68	2.31	1.94	1.79
270.0	5.20	4.84	4.47	3.99	3.47	3.21	2.84	2.52	2.16
315.0	5.05	4.68	4.10	3.89	3.57	3.00	2.79	2.42	2.16
360.0	3.63	3.26	2.89	2.63	2.26	2.05	1.79	1.42	1.42

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.37
45.0	1.37
90.0	1.47
135.0	1.26
180.0	1.52
225.0	1.58
270.0	1.94
315.0	1.94
360.0	1.37