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Nata

Client:

LumCAT: 2-2520-L

Luminaire: 92.70.412.00

Report No: 2024823-B006

Ballast type: AC

Test No: 2024823-C006

Voltage(V): 35.260

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.310

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3089.53, Efficiency(%): 93.31% , Luminous Efficacy(lm/W): 152.12

Central intensity(cd): 6725.109, Maximum intensity(cd): 6725.109

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=39.6

[C90/270]Total=39.6

Field angle(10%Imax): [C0/180]Total=63.6

[C90/270]Total=63.6

Maximum s/h(1/2): C0_180=0.66 C90_270=0.66

Maximum s/h(1/4): C0_180=0.61 C90_270=0.61

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.31%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.275%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/23
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	6725.109	0.000	0	0.00%	0.00%
1.0	6711.252	6.429	6.429	0.19%	0.21%
2.0	6678.512	19.218	25.647	0.58%	0.83%
3.0	6630.878	31.832	57.479	0.96%	1.86%
4.0	6558.440	44.149	101.628	1.33%	3.29%
5.0	6493.190	56.147	157.775	1.70%	5.11%
6.0	6409.622	67.808	225.583	2.05%	7.30%
7.0	6301.186	78.896	304.479	2.38%	9.86%
8.0	6204.583	89.501	393.98	2.70%	12.75%
9.0	6089.944	99.640	493.621	3.01%	15.98%
10.0	5957.342	109.024	602.644	3.29%	19.51%
11.0	5810.449	117.584	720.229	3.55%	23.31%
12.0	5637.039	125.137	845.366	3.78%	27.36%
13.0	5454.706	131.631	976.997	3.98%	31.62%
14.0	5249.180	137.009	1114.006	4.14%	36.06%
15.0	5010.225	140.846	1254.852	4.25%	40.62%
16.0	4700.730	142.293	1397.144	4.30%	45.22%
17.0	4400.480	141.730	1538.874	4.28%	49.81%
18.0	4049.954	139.329	1678.204	4.21%	54.32%
19.0	3663.790	134.203	1812.407	4.05%	58.66%
20.0	3306.497	127.576	1939.983	3.85%	62.79%
21.0	2946.286	120.066	2060.049	3.63%	66.68%
22.0	2610.319	111.662	2171.711	3.37%	70.29%
23.0	2304.294	103.122	2274.833	3.11%	73.63%
24.0	2039.714	94.976	2369.809	2.87%	76.70%
25.0	1780.088	86.854	2456.663	2.62%	79.52%
26.0	1540.357	78.379	2535.042	2.37%	82.05%
27.0	1386.789	71.613	2606.655	2.16%	84.37%
28.0	1158.951	64.453	2671.108	1.95%	86.46%
29.0	1064.949	58.183	2729.292	1.76%	88.34%
30.0	911.053	53.352	2782.643	1.61%	90.07%
31.0	787.261	47.262	2829.905	1.43%	91.60%
32.0	650.625	41.194	2871.099	1.24%	92.93%
33.0	507.281	34.112	2905.211	1.03%	94.03%
34.0	399.436	27.440	2932.651	0.83%	94.92%
35.0	311.117	22.067	2954.718	0.67%	95.64%
36.0	226.387	17.114	2971.832	0.52%	96.19%
37.0	173.055	13.028	2984.86	0.39%	96.61%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	140.132	10.454	2995.314	0.32%	96.95%
39.0	98.962	8.161	3003.474	0.25%	97.21%
40.0	84.902	6.413	3009.887	0.19%	97.42%
41.0	74.067	5.661	3015.548	0.17%	97.61%
42.0	64.468	5.033	3020.581	0.15%	97.77%
43.0	56.787	4.492	3025.073	0.14%	97.91%
44.0	51.051	4.070	3029.143	0.12%	98.05%
45.0	45.519	3.711	3032.854	0.11%	98.17%
46.0	41.242	3.393	3036.247	0.10%	98.28%
47.0	37.589	3.135	3039.382	0.09%	98.38%
48.0	34.336	2.908	3042.29	0.09%	98.47%
49.0	31.767	2.715	3045.005	0.08%	98.56%
50.0	29.658	2.561	3047.566	0.08%	98.64%
51.0	27.470	2.417	3049.983	0.07%	98.72%
52.0	25.631	2.279	3052.261	0.07%	98.79%
53.0	24.146	2.165	3054.427	0.07%	98.86%
54.0	22.746	2.067	3056.493	0.06%	98.93%
55.0	21.413	1.971	3058.465	0.06%	98.99%
56.0	20.230	1.882	3060.346	0.06%	99.06%
57.0	19.146	1.800	3062.147	0.05%	99.11%
58.0	18.160	1.725	3063.872	0.05%	99.17%
59.0	17.214	1.654	3065.526	0.05%	99.22%
60.0	16.400	1.588	3067.114	0.05%	99.27%
61.0	15.710	1.532	3068.646	0.05%	99.32%
62.0	15.112	1.485	3070.131	0.04%	99.37%
63.0	14.442	1.437	3071.568	0.04%	99.42%
64.0	13.666	1.379	3072.948	0.04%	99.46%
65.0	13.121	1.326	3074.273	0.04%	99.51%
66.0	12.477	1.277	3075.551	0.04%	99.55%
67.0	11.813	1.221	3076.772	0.04%	99.59%
68.0	11.130	1.162	3077.934	0.04%	99.62%
69.0	10.427	1.100	3079.034	0.03%	99.66%
70.0	9.652	1.031	3080.065	0.03%	99.69%
71.0	8.850	0.956	3081.021	0.03%	99.72%
72.0	7.799	0.866	3081.887	0.03%	99.75%
73.0	7.089	0.779	3082.666	0.02%	99.78%
74.0	6.597	0.720	3083.385	0.02%	99.80%
75.0	6.150	0.673	3084.059	0.02%	99.82%

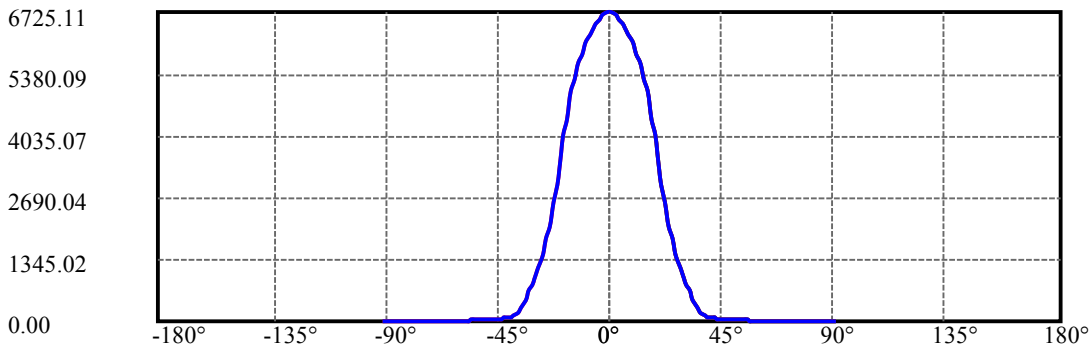
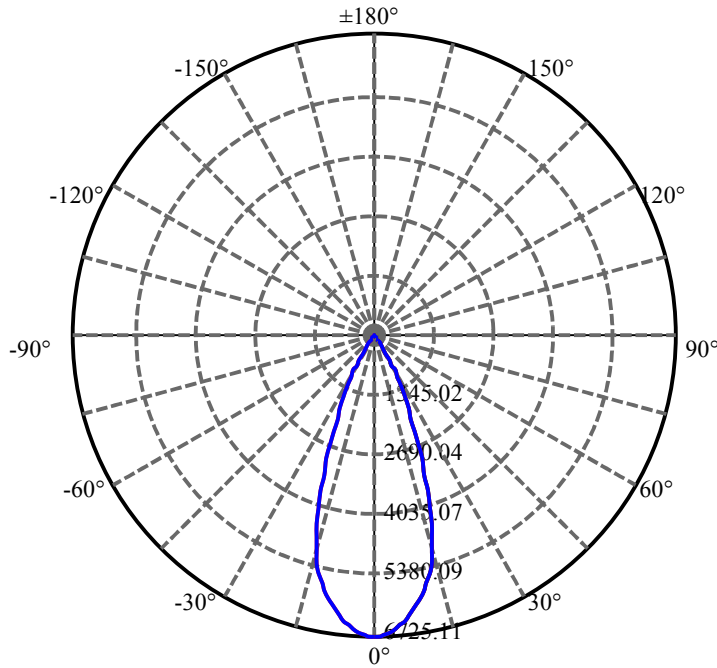
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.703	0.629	3084.688	0.02%	99.84%
77.0	5.342	0.589	3085.277	0.02%	99.86%
78.0	4.901	0.548	3085.825	0.02%	99.88%
79.0	4.520	0.506	3086.331	0.02%	99.90%
80.0	4.172	0.469	3086.8	0.01%	99.91%
81.0	3.732	0.427	3087.227	0.01%	99.93%
82.0	3.397	0.387	3087.614	0.01%	99.94%
83.0	3.029	0.349	3087.963	0.01%	99.95%
84.0	2.674	0.311	3088.274	0.01%	99.96%
85.0	2.405	0.277	3088.551	0.01%	99.97%
86.0	2.135	0.248	3088.799	0.01%	99.98%
87.0	1.886	0.220	3089.019	0.01%	99.98%
88.0	1.623	0.192	3089.212	0.01%	99.99%
89.0	1.432	0.167	3089.379	0.01%	100.00%
90.0	1.301	0.150	3089.529	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2782.64	84.04%	90.07%
0-40	3009.89	90.91%	97.42%
0-60	3067.11	92.63%	99.27%
0-90	3089.38	93.31%	100.00%
0-120	3089.38	93.31%	100.00%
0-180	3089.53	93.31%	100.00%
60-90	22.27	0.67%	0.72%
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%
0-25.19	2471.62	74.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	602.64
10-20	1337.34
20-30	842.66
30-40	227.24
40-50	37.68
50-60	19.55
60-70	12.95
70-80	6.73
80-90	2.58
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: —————

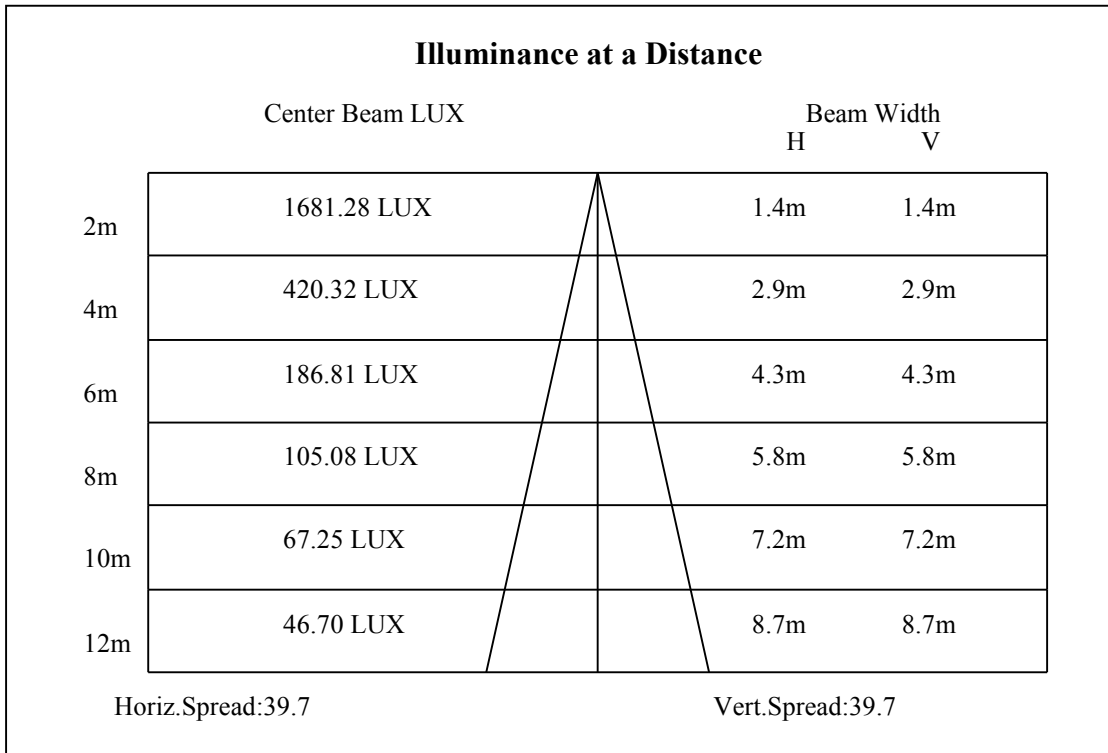
C90/C270: —————

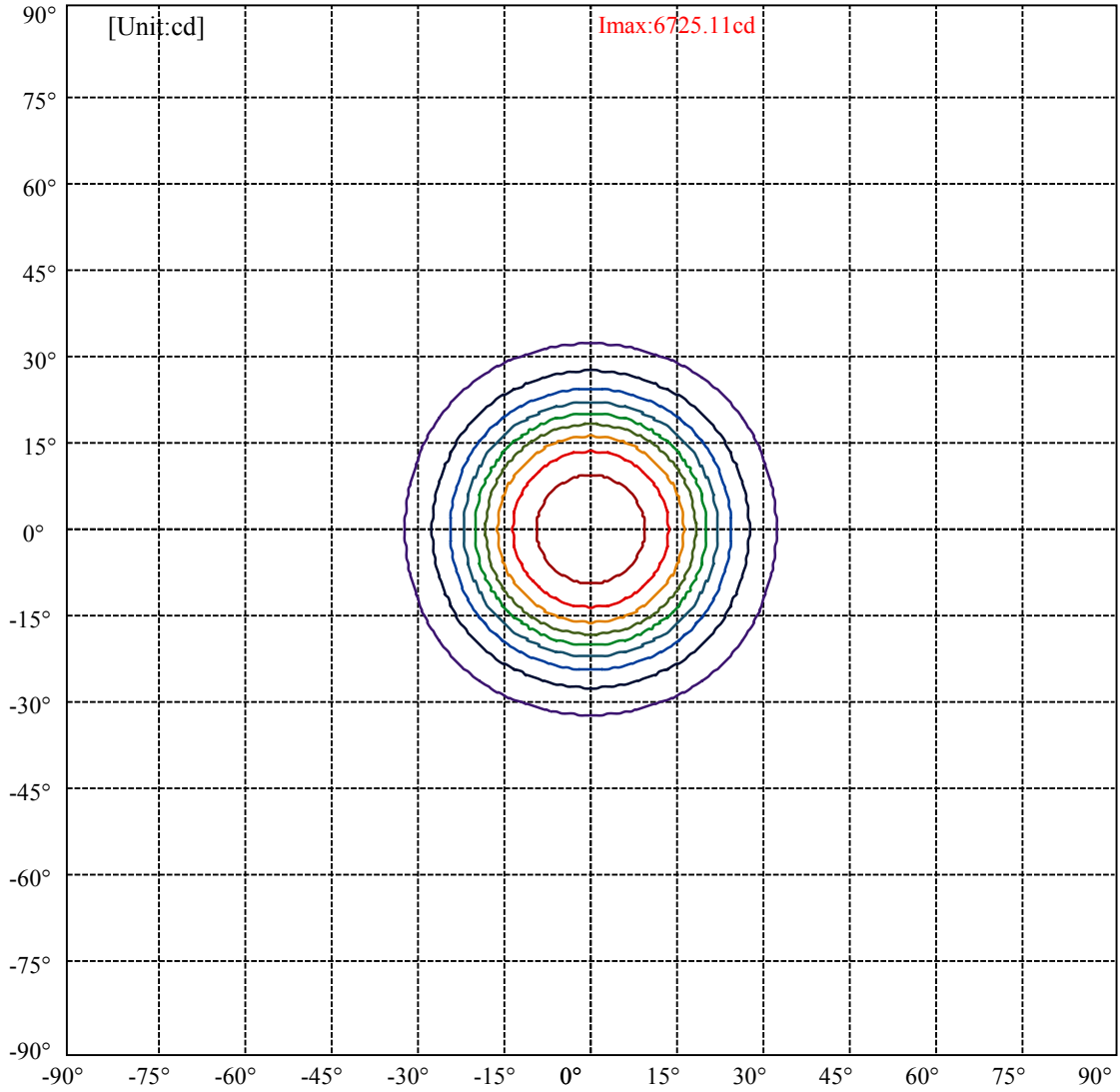
Field angle(10%Imax):C0/180Left:31.8 Right:31.8

:C90/270Left:31.8 Right:31.8

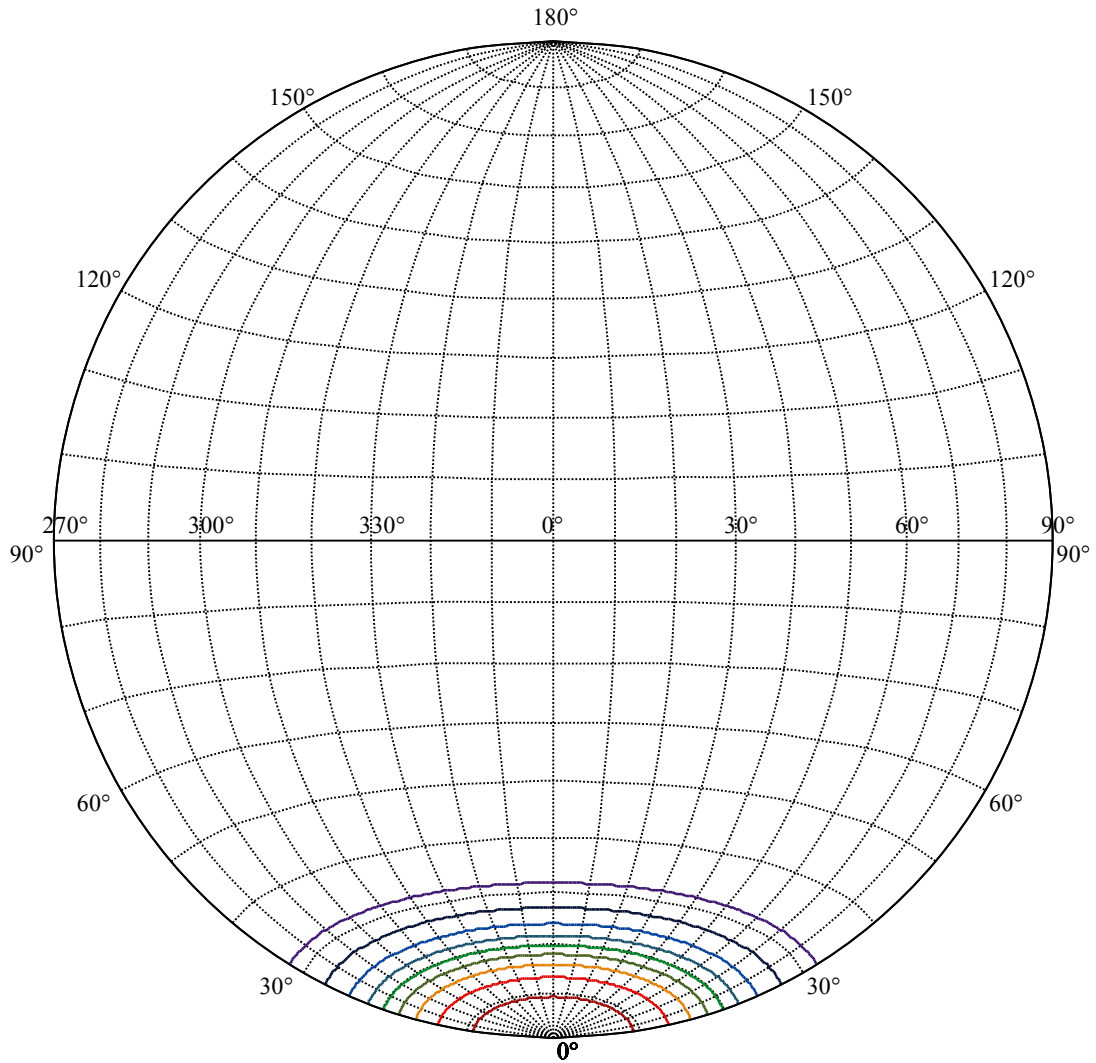
Beam Angle(50%Imax):C0/180Left:19.8 Right:19.8

:C90/270Left:19.8 Right:19.8





(10%Imax) 672.511	—
(20%Imax) 1345.02	—
(30%Imax) 2017.53	—
(40%Imax) 2690.04	—
(50%Imax) 3362.55	—
(60%Imax) 4035.07	—
(70%Imax) 4707.58	—
(80%Imax) 5380.09	—
(90%Imax) 6052.6	—



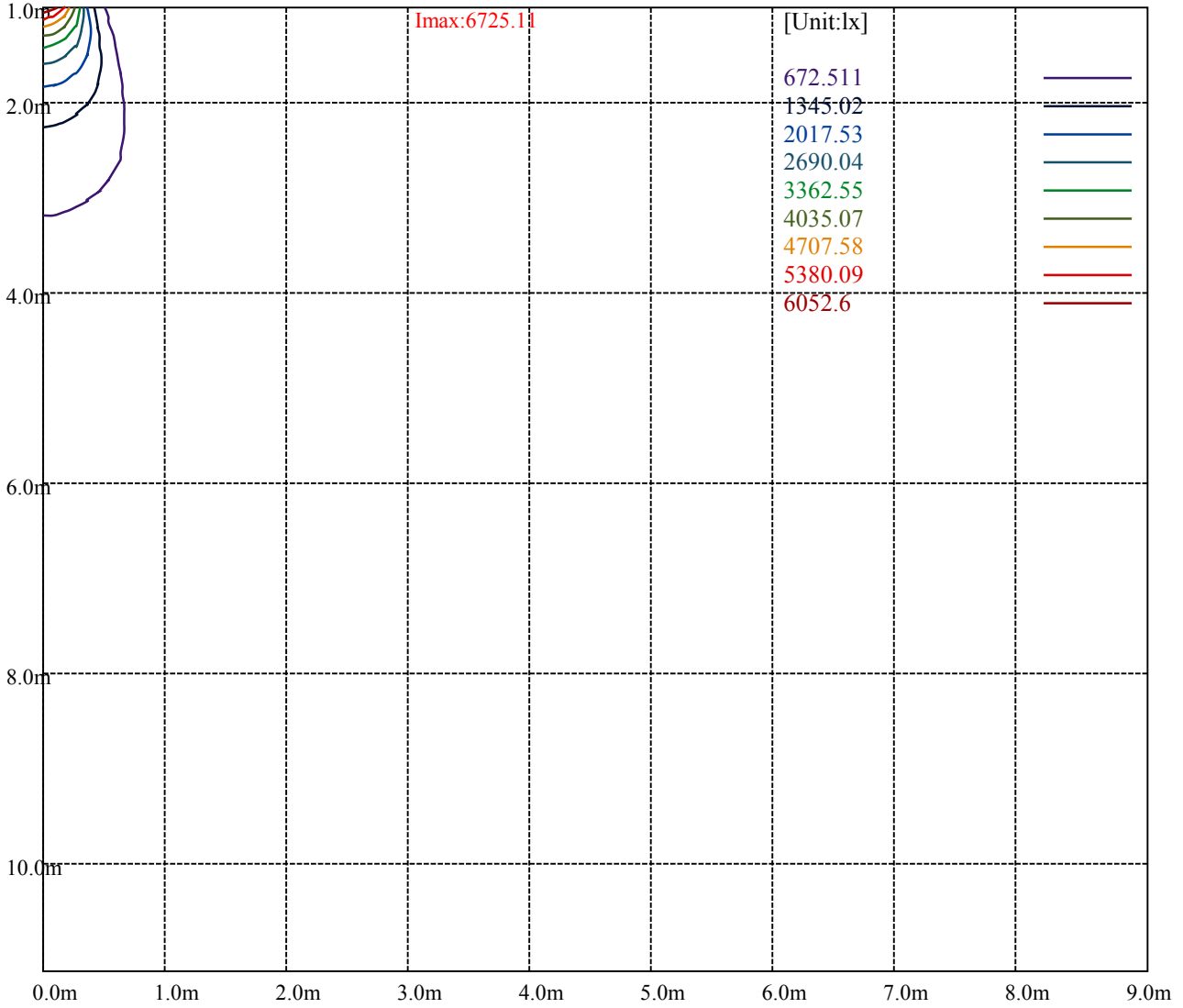
House

[Unit:cd]

Road

Imax:6725.11

(10%Imax) 672.511	—
(20%Imax) 1345.02	—
(30%Imax) 2017.53	—
(40%Imax) 2690.04	—
(50%Imax) 3362.55	—
(60%Imax) 4035.07	—
(70%Imax) 4707.58	—
(80%Imax) 5380.09	—
(90%Imax) 6052.6	—



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

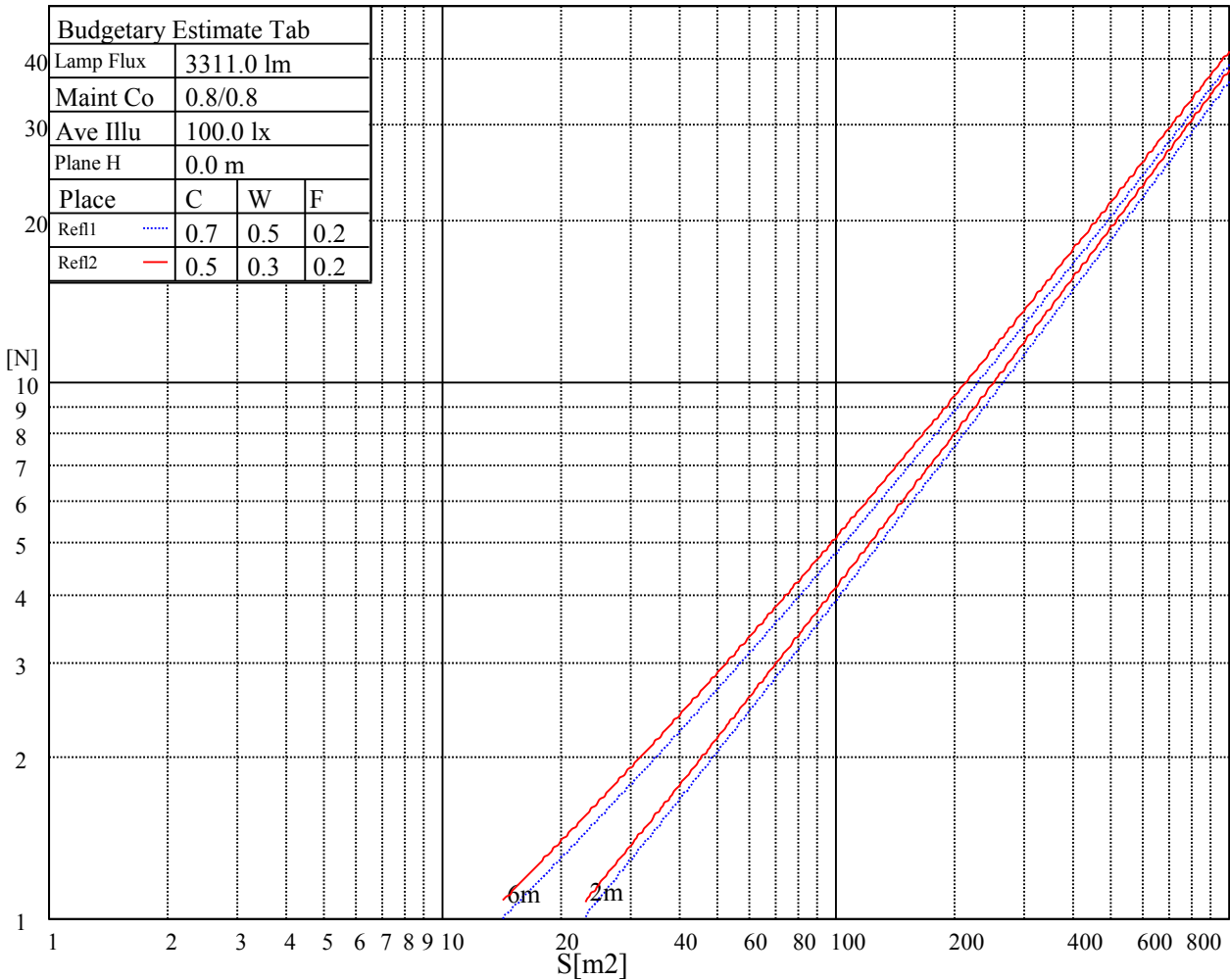
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

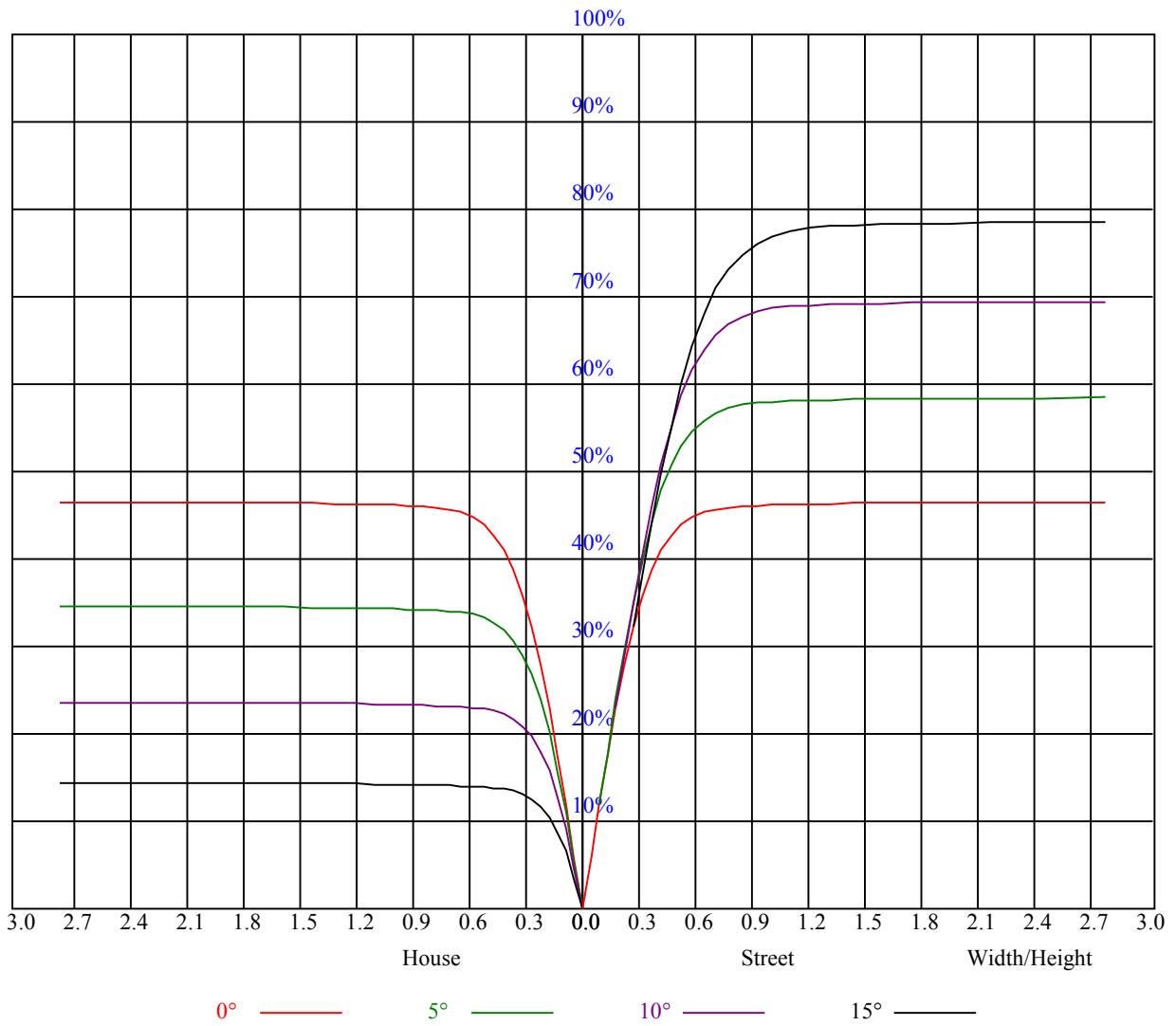


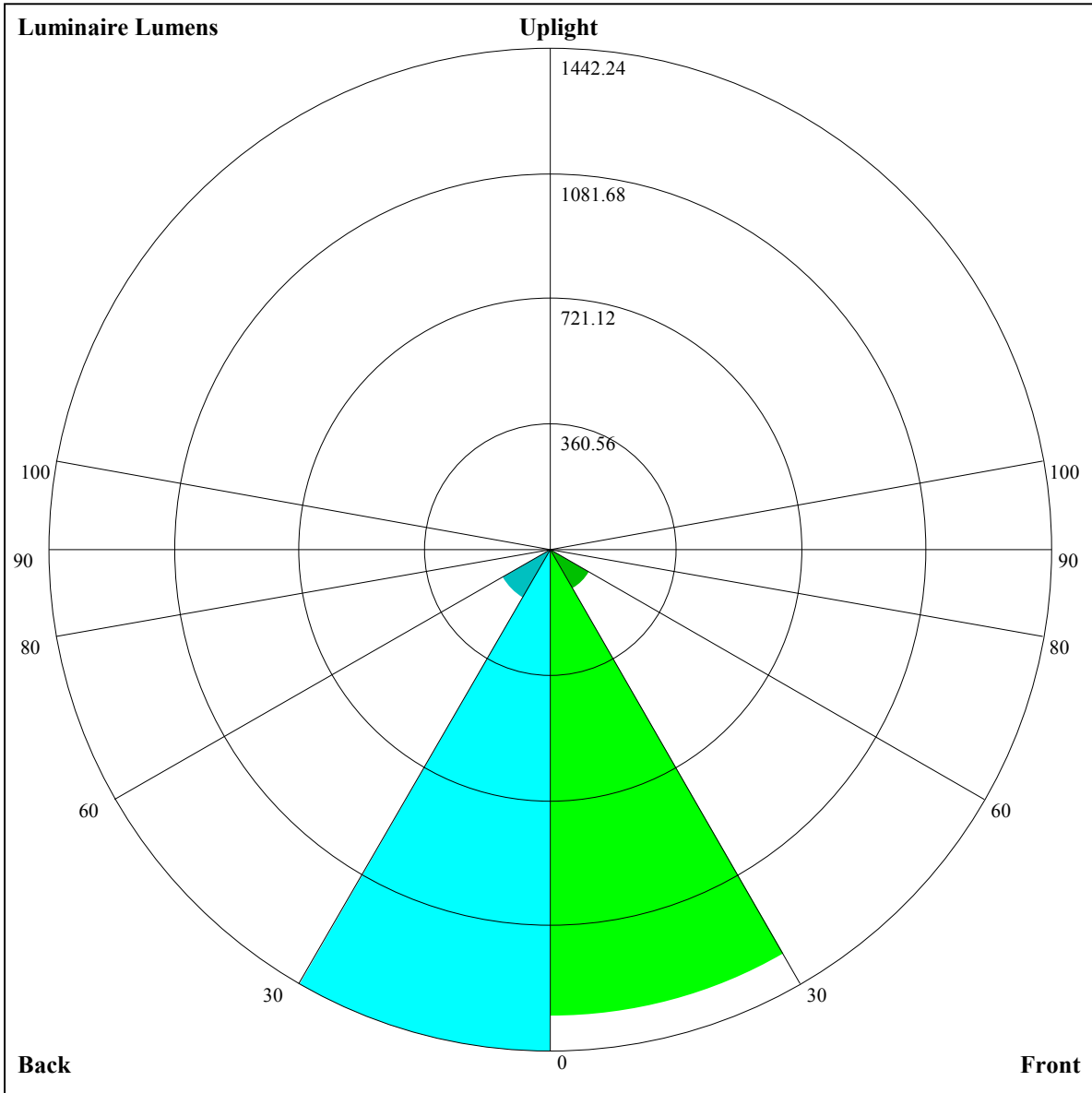
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	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	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.84	0.80	0.77	0.84	0.79	0.76	0.82	0.78	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
7	0.77	0.72	0.69	0.77	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59





Luminaire Lumens:

FL=1341.27,FM=129.44,FH=9.6,FVH=1.38

BL=1442.24,BM=160.6,BH=9.84,BVH=1.36

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	6675.65	6603.79	6521.32	6412.10	6281.17	6152.49	6031.60	5902.35	5761.38
45.0	6758.70	6686.79	6595.96	6484.53	6356.96	6290.68	6163.06	5961.38	5872.81
90.0	6694.62	6601.01	6516.33	6418.83	6292.89	6193.70	6076.70	5939.67	5799.22
135.0	6771.47	6753.65	6710.76	6670.65	6610.47	6536.94	6472.86	6368.68	6253.31
180.0	6675.65	6724.69	6743.09	6742.51	6730.26	6698.51	6658.41	6604.90	6566.48
225.0	6758.70	6794.91	6824.40	6831.13	6802.11	6774.83	6722.48	6656.73	6579.83
270.0	6694.62	6759.80	6785.98	6815.52	6800.48	6784.29	6725.27	6666.19	6605.48
315.0	6771.47	6765.37	6730.26	6671.76	6593.18	6514.07	6426.61	6309.60	6198.17
360.0	6675.65	6603.79	6521.32	6412.10	6281.17	6152.49	6031.60	5902.35	5761.38
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5621.51	5469.97	5308.92	5115.07	4910.55	4762.90	4486.00	4173.99	3839.69
45.0	5726.79	5560.80	5411.47	5264.92	5089.42	4902.19	4660.40	4379.61	4085.42
90.0	5663.87	5499.51	5334.57	5139.56	4919.48	4653.73	4474.33	4023.03	3809.05
135.0	6182.03	6015.99	5887.26	5799.22	5639.33	5433.75	5196.96	4896.62	4551.75
180.0	6481.22	6385.92	6261.67	6107.92	5937.99	5740.19	5522.32	5262.72	4955.70
225.0	6476.17	6331.31	6149.71	5921.27	5697.83	5463.29	5176.88	4852.62	4564.00
270.0	6500.14	6396.54	6276.17	6135.78	5946.34	5756.33	5537.35	5274.96	4977.41
315.0	6067.82	5998.70	5853.83	5612.57	5496.72	5281.06	5027.55	4742.29	4420.82
360.0	5621.51	5469.97	5308.92	5115.07	4910.55	4762.90	4486.00	4173.99	3839.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3495.93	3152.17	2813.41	2498.03	2215.04	1955.38	1714.12	1491.83	1064.34
45.0	3771.15	3429.65	3083.05	2752.12	2453.46	2179.35	2017.24	1671.80	1531.36
90.0	3450.78	2967.21	2769.41	2456.82	2163.21	1890.73	1656.72	1447.26	1100.24
135.0	4167.89	3777.88	3390.65	3020.14	2667.97	2345.39	2050.10	1800.48	1591.54
180.0	4625.29	4254.25	3860.30	3459.72	3063.55	2714.80	2399.43	2108.60	1867.91
225.0	4177.88	3768.94	3364.42	2974.41	2605.58	2287.99	2011.09	1777.66	1593.80
270.0	4658.19	4289.89	3888.73	3489.78	3121.53	2771.62	2450.67	2163.21	2007.20
315.0	4052.52	3670.33	3282.00	2919.27	2592.22	2289.10	2018.35	1779.87	1566.47
360.0	3495.93	3152.17	2813.41	2498.03	2215.04	1955.38	1714.12	1491.83	1064.34
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1064.34	937.61	845.68	640.63	557.79	425.49	262.50	210.20	151.75
45.0	1315.22	1053.88	956.37	802.63	657.77	522.89	396.43	308.38	308.38
90.0	1100.24	937.40	809.94	628.59	491.09	390.12	278.42	194.22	144.13
135.0	1406.57	1235.53	1078.42	922.94	801.47	627.65	515.11	380.29	308.38
180.0	1708.02	1494.04	1322.42	1197.06	1019.92	902.92	751.33	604.26	459.97
225.0	1425.50	1071.96	1071.96	984.55	897.45	758.11	565.78	486.05	363.89
270.0	1701.87	1514.64	1408.25	1177.03	1085.10	932.41	779.76	631.54	485.57
315.0	1372.56	1026.55	1026.55	934.98	787.49	645.41	508.91	380.55	266.86
360.0	1064.34	937.61	845.68	640.63	557.79	425.49	262.50	210.20	151.75
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	120.32	99.40	84.15	73.22	63.50	54.98	48.36	42.89	38.42
45.0	142.18	117.00	98.76	85.26	74.32	68.28	56.77	50.09	46.83
90.0	117.42	99.19	85.52	74.85	65.65	57.92	51.46	46.26	41.94
135.0	308.38	139.40	116.48	100.03	88.31	78.37	69.54	62.08	55.77
180.0	331.83	308.96	204.47	130.57	111.27	96.40	84.63	74.27	68.86
225.0	257.66	181.92	138.82	116.43	99.24	85.89	74.69	65.12	57.03
270.0	352.96	306.18	284.47	120.63	99.71	83.73	72.06	62.60	54.77
315.0	180.34	132.40	108.38	90.72	77.21	66.96	58.24	50.99	44.78
360.0	120.32	99.40	84.15	73.22	63.50	54.98	48.36	42.89	38.42

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	34.38	31.22	28.54	26.23	24.18	23.07	20.92	19.55	18.82
45.0	42.37	38.48	35.27	32.59	30.12	28.02	26.07	24.39	22.92
90.0	38.06	34.90	32.33	29.86	27.81	25.91	24.34	22.81	21.39
135.0	52.67	46.36	42.47	40.53	36.58	34.95	32.75	30.70	28.80
180.0	57.92	52.14	49.04	42.58	40.21	36.79	33.96	31.27	29.07
225.0	50.62	45.47	40.95	37.21	34.22	32.01	29.22	27.23	25.91
270.0	47.99	43.63	39.26	35.53	32.22	29.75	27.54	25.65	24.02
315.0	40.16	37.74	32.85	30.17	28.80	26.75	24.97	23.44	22.23
360.0	34.38	31.22	28.54	26.23	24.18	23.07	20.92	19.55	18.82
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.77	16.77	15.87	15.14	14.56	14.19	13.82	13.51	13.35
45.0	21.60	20.39	19.19	18.13	17.14	16.24	15.66	15.19	14.93
90.0	20.66	19.08	18.40	17.29	16.40	15.45	14.61	14.03	13.40
135.0	27.12	25.60	24.18	22.81	21.60	20.39	19.24	18.19	17.29
180.0	27.17	25.39	23.60	22.23	20.97	19.76	18.61	17.66	16.82
225.0	24.07	22.92	21.60	20.45	19.34	18.13	17.19	16.29	15.45
270.0	22.55	21.24	20.03	18.98	18.03	17.08	16.19	15.45	14.88
315.0	21.03	19.92	18.98	18.13	17.24	16.45	15.87	15.35	14.77
360.0	17.77	16.77	15.87	15.14	14.56	14.19	13.82	13.51	13.35
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.19	13.04	12.88	12.56	12.35	12.04	11.62	10.04	8.73
45.0	14.45	13.04	13.30	13.30	12.67	12.40	12.46	12.09	11.46
90.0	12.62	11.83	11.20	10.51	9.78	9.04	8.46	7.88	7.36
135.0	16.40	15.51	14.51	13.51	12.46	11.46	10.62	9.62	8.62
180.0	15.87	14.98	14.24	13.35	12.56	11.67	10.67	9.83	9.20
225.0	14.72	13.93	13.09	12.19	11.41	10.62	9.78	8.99	8.09
270.0	14.14	13.51	12.93	12.30	11.83	11.09	10.04	9.51	8.73
315.0	14.14	13.51	12.83	12.09	11.46	10.72	9.78	9.25	8.62
360.0	13.19	13.04	12.88	12.56	12.35	12.04	11.62	10.04	8.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.57	6.78	6.36	5.78	5.41	4.94	4.57	4.21	3.84
45.0	8.52	7.41	6.83	6.20	5.68	5.20	4.78	4.36	3.99
90.0	6.73	6.25	5.94	5.52	4.89	4.68	4.26	3.84	3.47
135.0	7.94	7.41	6.94	6.62	6.20	5.83	5.31	4.99	4.68
180.0	8.30	7.46	6.78	6.36	5.89	5.52	5.05	4.68	4.21
225.0	7.25	6.57	6.25	5.83	5.41	5.10	4.68	4.26	3.99
270.0	7.99	7.31	6.73	6.25	5.94	5.68	5.26	4.89	4.57
315.0	8.09	7.52	6.94	6.62	6.20	5.78	5.31	4.94	4.63
360.0	7.57	6.78	6.36	5.78	5.41	4.94	4.57	4.21	3.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.10	2.89	2.52	2.26	2.10	1.89	1.68	1.52
45.0	3.57	3.26	2.84	2.47	2.26	2.05	1.79	1.47	1.31
90.0	3.00	2.79	2.47	2.21	2.05	1.79	1.68	1.42	1.47
135.0	4.21	3.78	3.36	2.94	2.73	2.47	2.16	1.73	1.31
180.0	3.89	3.47	3.10	2.73	2.37	2.05	1.79	1.52	1.37
225.0	3.42	3.10	2.79	2.52	2.16	1.89	1.58	1.42	1.21
270.0	4.15	3.84	3.31	2.94	2.68	2.26	2.05	1.84	1.58
315.0	4.21	3.84	3.47	3.05	2.73	2.47	2.16	1.89	1.68
360.0	3.42	3.10	2.89	2.52	2.26	2.10	1.89	1.68	1.52

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.47
45.0	1.31
90.0	1.42
135.0	1.16
180.0	1.10
225.0	1.10
270.0	1.37
315.0	1.47
360.0	1.47