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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024326-B014

Ballast type: AC

Test No: 2024326-C014

LampCAT: Fortimo_SLM_C_1210

Lamp flux(lm): 4230.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.430

Current(A): 0.720

Power (W): 24.789

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 3649.90, Efficiency(%): 86.29% , Luminous Efficacy(lm/W): 147.24

Central intensity(cd): 12672.170, Maximum intensity(cd): 12672.170

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.4

[C90/270]Total=24.4

Field angle(10%Imax): [C0/180]Total=58.4

[C90/270]Total=58.4

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.44 C90_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.033%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
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	12672.170	0.000	0	0.00%	0.00%
1.0	12607.795	12.096	12.096	0.29%	0.33%
2.0	12203.426	35.611	47.707	0.84%	1.31%
3.0	12015.650	57.924	105.631	1.37%	2.89%
4.0	11768.831	79.614	185.246	1.88%	5.08%
5.0	11238.836	98.978	284.224	2.34%	7.79%
6.0	10683.238	115.206	399.43	2.72%	10.94%
7.0	10076.287	128.854	528.284	3.05%	14.47%
8.0	9340.001	138.959	667.243	3.29%	18.28%
9.0	8614.468	145.511	812.754	3.44%	22.27%
10.0	7839.264	148.900	961.654	3.52%	26.35%
11.0	7148.553	149.759	1111.413	3.54%	30.45%
12.0	6494.637	149.140	1260.553	3.53%	34.54%
13.0	5805.388	145.970	1406.523	3.45%	38.54%
14.0	5230.843	141.263	1547.786	3.34%	42.41%
15.0	4712.846	136.511	1684.297	3.23%	46.15%
16.0	4223.525	130.943	1815.24	3.10%	49.73%
17.0	3767.708	124.445	1939.685	2.94%	53.14%
18.0	3382.337	117.889	2057.574	2.79%	56.37%
19.0	3041.005	111.753	2169.327	2.64%	59.44%
20.0	2799.307	106.894	2276.221	2.53%	62.36%
21.0	2677.799	105.172	2381.392	2.49%	65.25%
22.0	2265.099	99.330	2480.722	2.35%	67.97%
23.0	2090.482	91.392	2572.114	2.16%	70.47%
24.0	1935.105	88.014	2660.128	2.08%	72.88%
25.0	1794.651	84.806	2744.934	2.00%	75.21%
26.0	1682.800	82.086	2827.02	1.94%	77.45%
27.0	1580.605	79.840	2906.86	1.89%	79.64%
28.0	1440.809	76.496	2983.355	1.81%	81.74%
29.0	1282.572	71.251	3054.607	1.68%	83.69%
30.0	1204.825	67.159	3121.766	1.59%	85.53%
31.0	1065.848	63.190	3184.955	1.49%	87.26%
32.0	922.124	56.953	3241.909	1.35%	88.82%
33.0	778.393	50.098	3292.006	1.18%	90.19%
34.0	632.482	42.697	3334.704	1.01%	91.36%
35.0	505.261	35.334	3370.038	0.84%	92.33%
36.0	389.599	28.493	3398.53	0.67%	93.11%
37.0	287.492	22.083	3420.613	0.52%	93.72%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	231.500	17.323	3437.936	0.41%	94.19%
39.0	196.138	14.596	3452.533	0.35%	94.59%
40.0	108.559	10.627	3463.16	0.25%	94.88%
41.0	96.533	7.303	3470.463	0.17%	95.08%
42.0	90.300	6.788	3477.251	0.16%	95.27%
43.0	84.770	6.485	3483.736	0.15%	95.45%
44.0	80.739	6.247	3489.983	0.15%	95.62%
45.0	77.798	6.093	3496.076	0.14%	95.79%
46.0	74.982	5.975	3502.05	0.14%	95.95%
47.0	72.926	5.883	3507.933	0.14%	96.11%
48.0	71.449	5.836	3513.77	0.14%	96.27%
49.0	69.993	5.808	3519.578	0.14%	96.43%
50.0	68.354	5.768	3525.346	0.14%	96.59%
51.0	66.942	5.724	3531.07	0.14%	96.74%
52.0	65.684	5.691	3536.761	0.13%	96.90%
53.0	64.126	5.647	3542.408	0.13%	97.06%
54.0	62.268	5.571	3547.979	0.13%	97.21%
55.0	60.176	5.466	3553.445	0.13%	97.36%
56.0	57.835	5.333	3558.777	0.13%	97.50%
57.0	55.406	5.178	3563.955	0.12%	97.65%
58.0	52.224	4.977	3568.932	0.12%	97.78%
59.0	48.837	4.725	3573.657	0.11%	97.91%
60.0	45.179	4.442	3578.098	0.11%	98.03%
61.0	41.770	4.149	3582.248	0.10%	98.15%
62.0	38.815	3.883	3586.131	0.09%	98.25%
63.0	35.918	3.635	3589.766	0.09%	98.35%
64.0	33.519	3.407	3593.173	0.08%	98.45%
65.0	31.492	3.217	3596.39	0.08%	98.53%
66.0	29.481	3.042	3599.432	0.07%	98.62%
67.0	27.381	2.859	3602.292	0.07%	98.70%
68.0	25.860	2.697	3604.989	0.06%	98.77%
69.0	24.616	2.575	3607.564	0.06%	98.84%
70.0	23.614	2.477	3610.041	0.06%	98.91%
71.0	22.802	2.399	3612.44	0.06%	98.97%
72.0	22.136	2.337	3614.776	0.06%	99.04%
73.0	21.602	2.287	3617.063	0.05%	99.10%
74.0	21.097	2.245	3619.308	0.05%	99.16%
75.0	20.585	2.202	3621.511	0.05%	99.22%

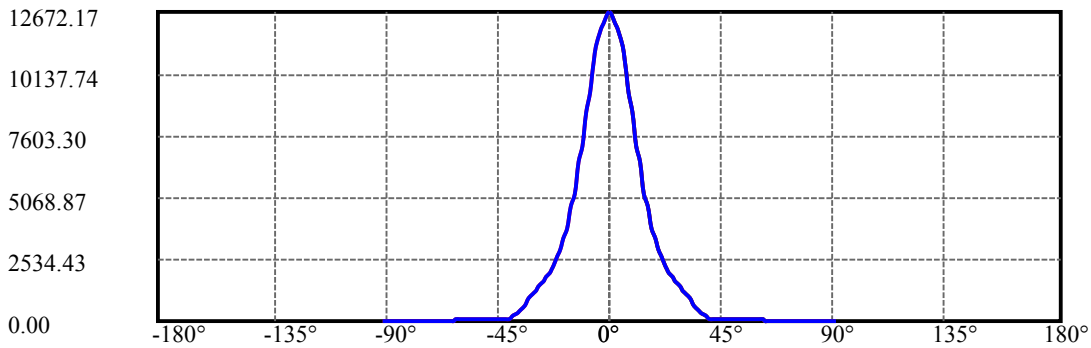
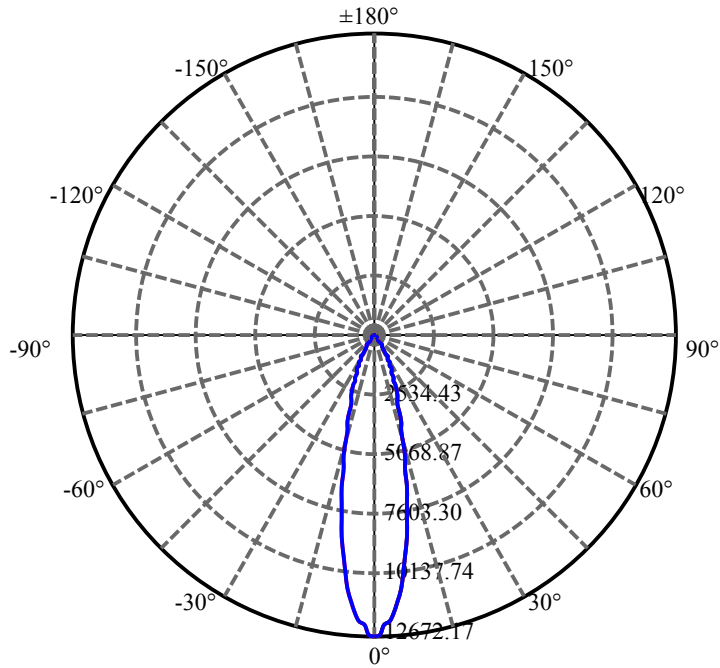
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.110	2.160	3623.671	0.05%	99.28%
77.0	19.649	2.120	3625.791	0.05%	99.34%
78.0	19.217	2.081	3627.871	0.05%	99.40%
79.0	18.720	2.038	3629.91	0.05%	99.45%
80.0	18.259	1.994	3631.903	0.05%	99.51%
81.0	17.864	1.953	3633.857	0.05%	99.56%
82.0	17.454	1.915	3635.772	0.05%	99.61%
83.0	17.067	1.877	3637.648	0.04%	99.66%
84.0	16.708	1.840	3639.488	0.04%	99.71%
85.0	16.386	1.806	3641.295	0.04%	99.76%
86.0	16.072	1.774	3643.069	0.04%	99.81%
87.0	15.750	1.742	3644.81	0.04%	99.86%
88.0	15.574	1.716	3646.526	0.04%	99.91%
89.0	15.318	1.693	3648.22	0.04%	99.95%
90.0	15.267	1.677	3649.897	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3121.77	73.80%	85.53%
0-40	3463.16	81.87%	94.88%
0-60	3578.10	84.59%	98.03%
0-90	3648.22	86.25%	99.95%
0-120	3648.22	86.25%	99.95%
0-180	3649.90	86.29%	100.00%
60-90	70.12	1.66%	1.92%
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%
0-27.17	2919.92	69.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	961.65
10-20	1314.57
20-30	845.55
30-40	341.39
40-50	62.19
50-60	52.75
60-70	31.94
70-80	21.86
80-90	16.32
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: —————

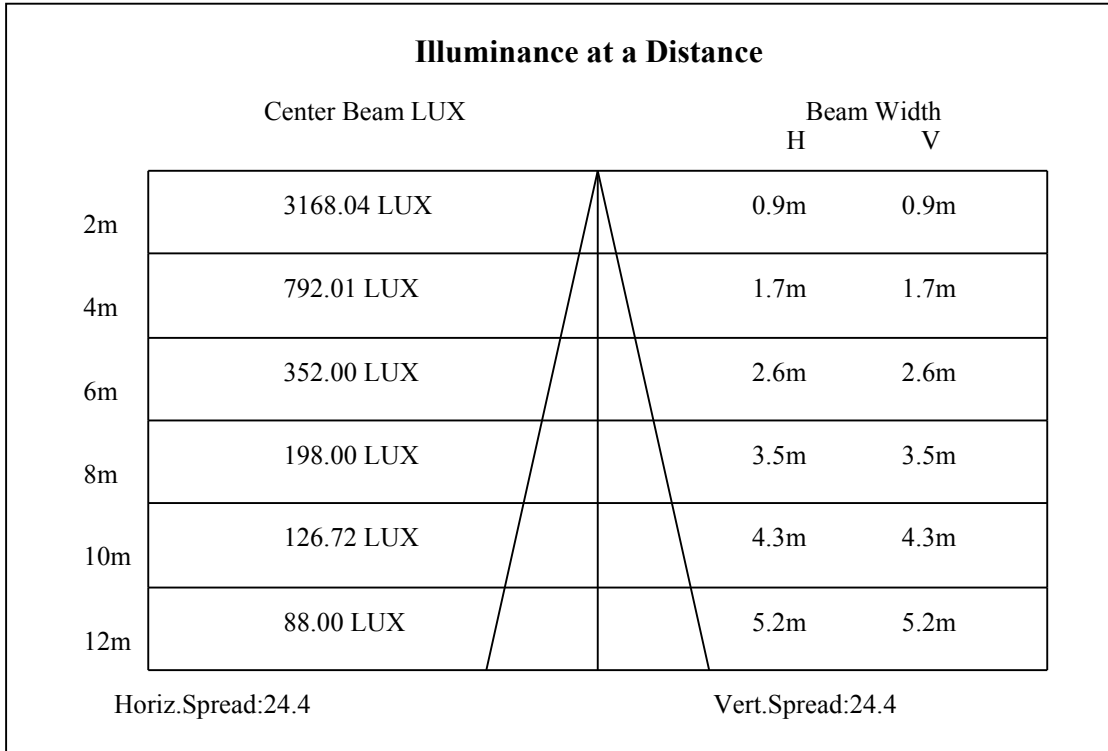
C90/C270: —————

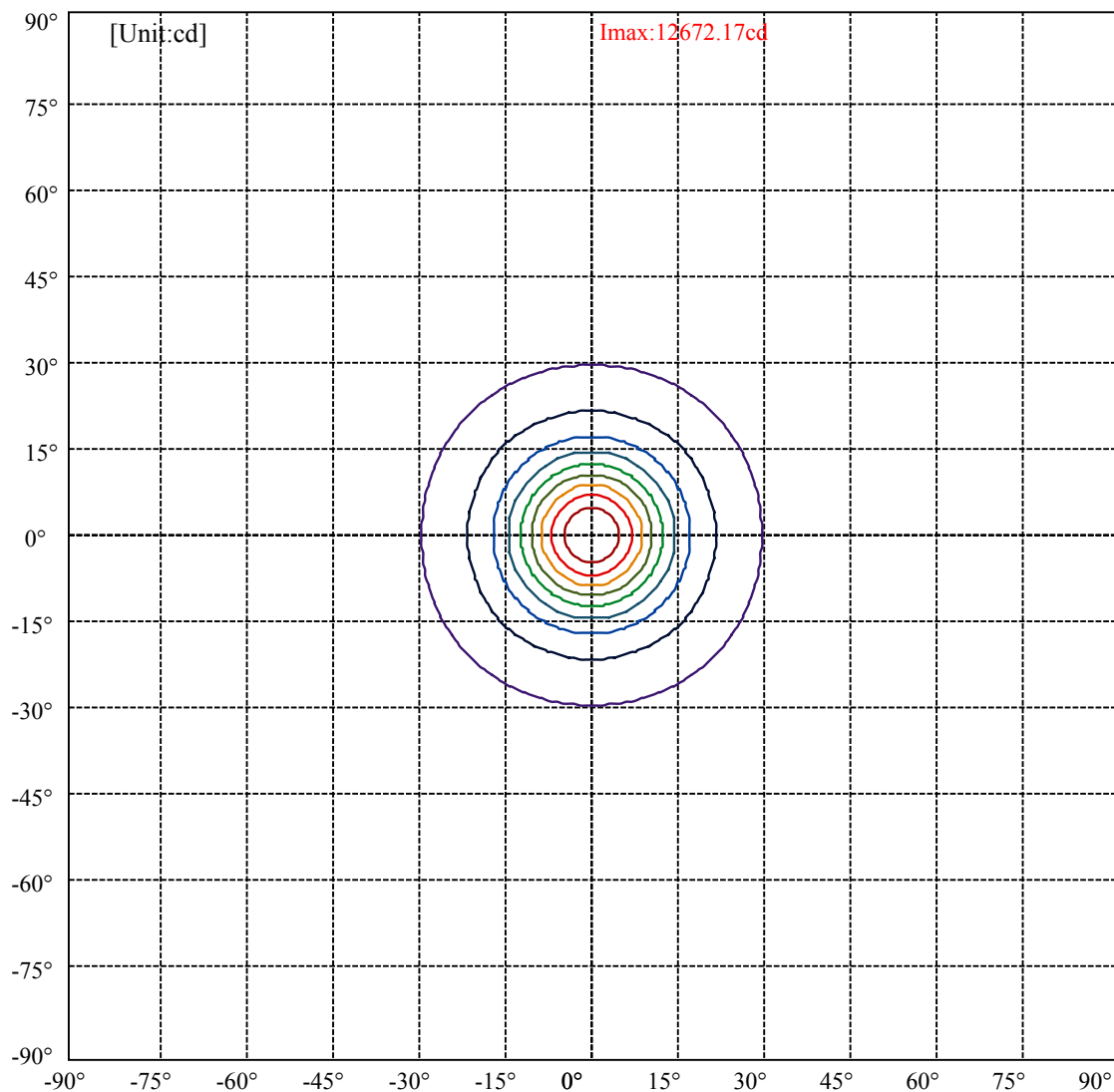
Field angle(10%Imax):C0/180Left:29.2 Right:29.2

:C90/270Left:29.2 Right:29.2

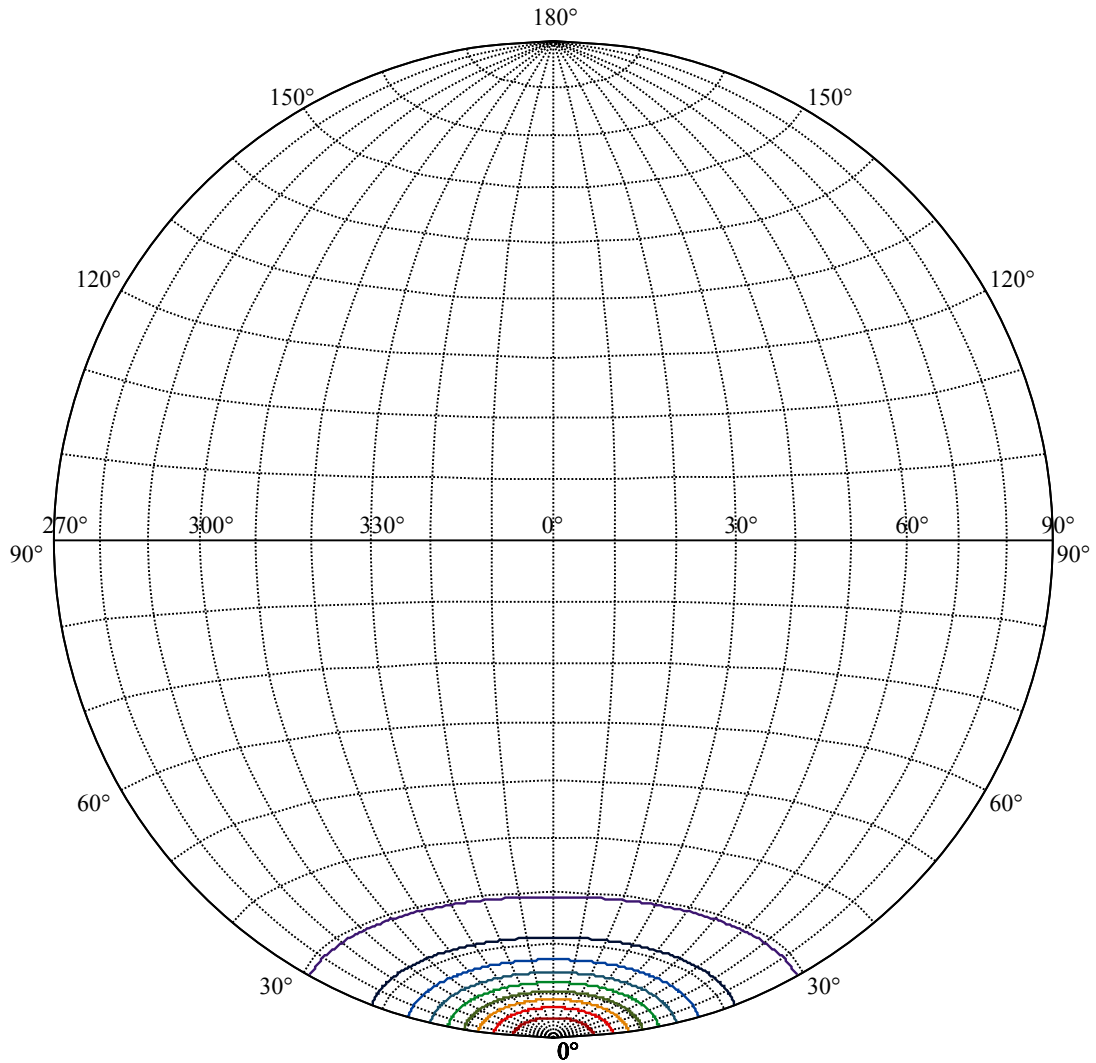
Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2

:C90/270Left:12.2 Right:12.2





(10%Imax) 1267.22	—
(20%Imax) 2534.43	—
(30%Imax) 3801.65	—
(40%Imax) 5068.87	—
(50%Imax) 6336.08	—
(60%Imax) 7603.3	—
(70%Imax) 8870.52	—
(80%Imax) 10137.7	—
(90%Imax) 11405	—



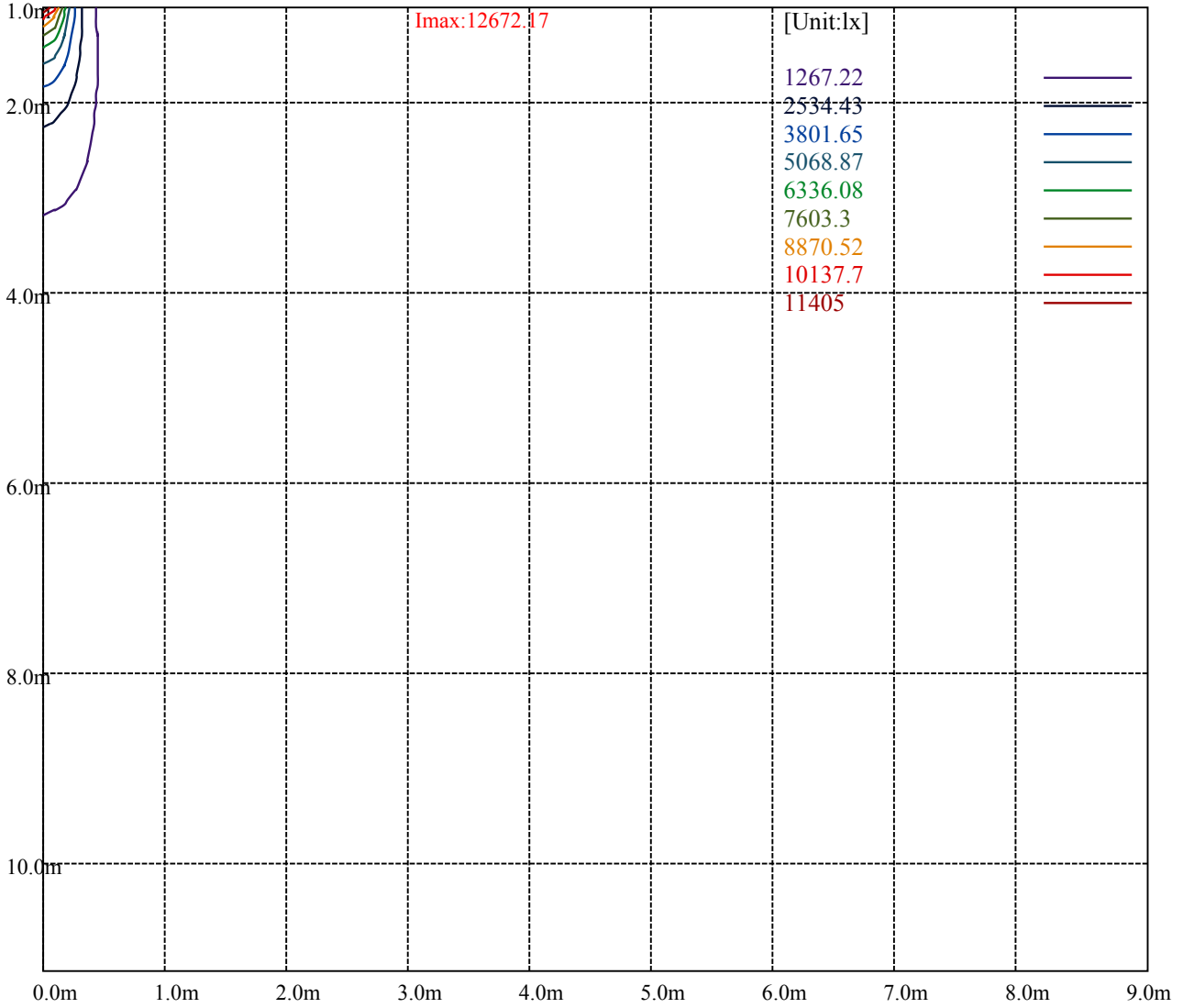
House

[Unit:cd]

Road

Imax:12672.17

(10%Imax)	1267.22	—
(20%Imax)	2534.43	—
(30%Imax)	3801.65	—
(40%Imax)	5068.87	—
(50%Imax)	6336.08	—
(60%Imax)	7603.3	—
(70%Imax)	8870.52	—
(80%Imax)	10137.7	—
(90%Imax)	11405	—



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

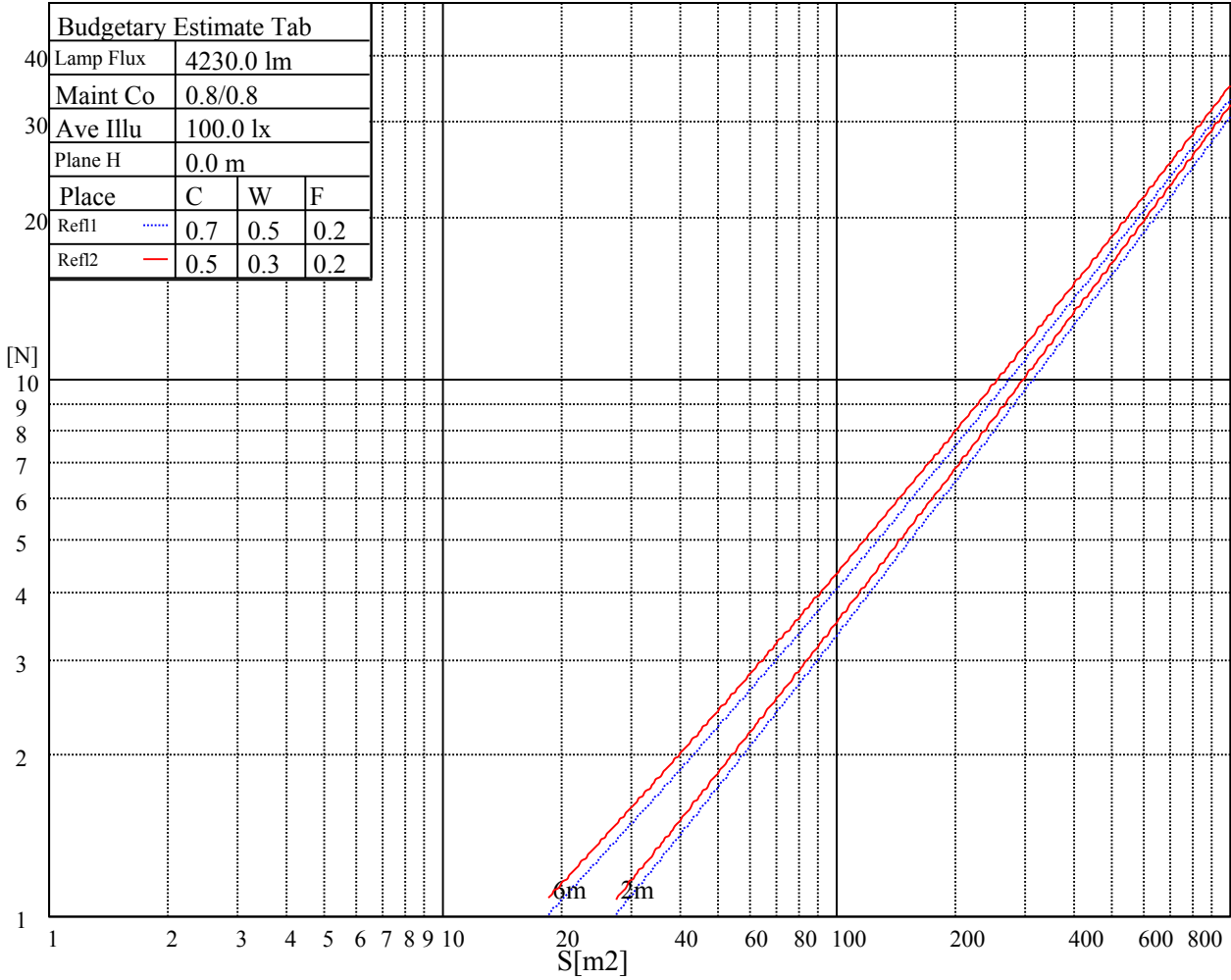
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

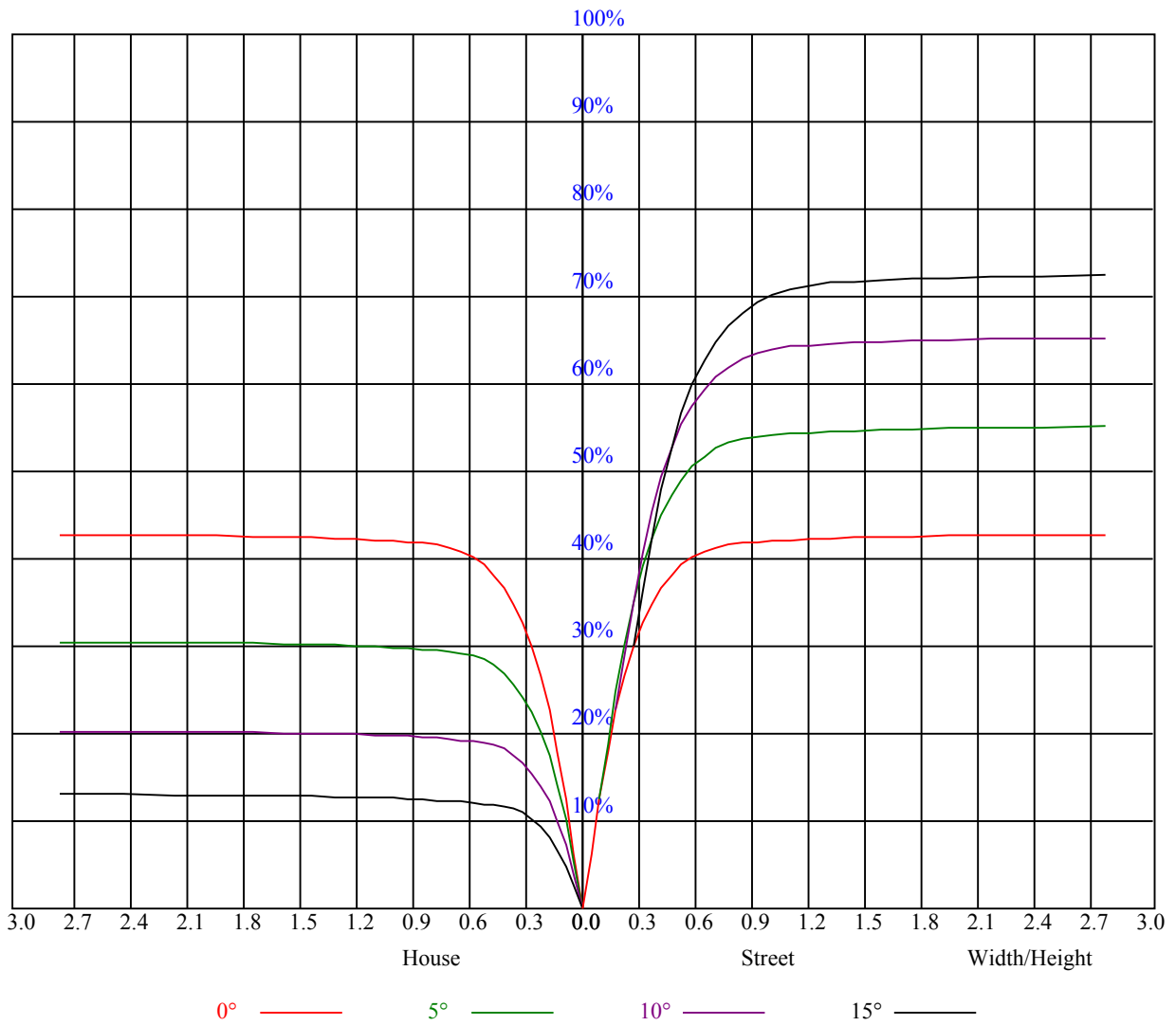


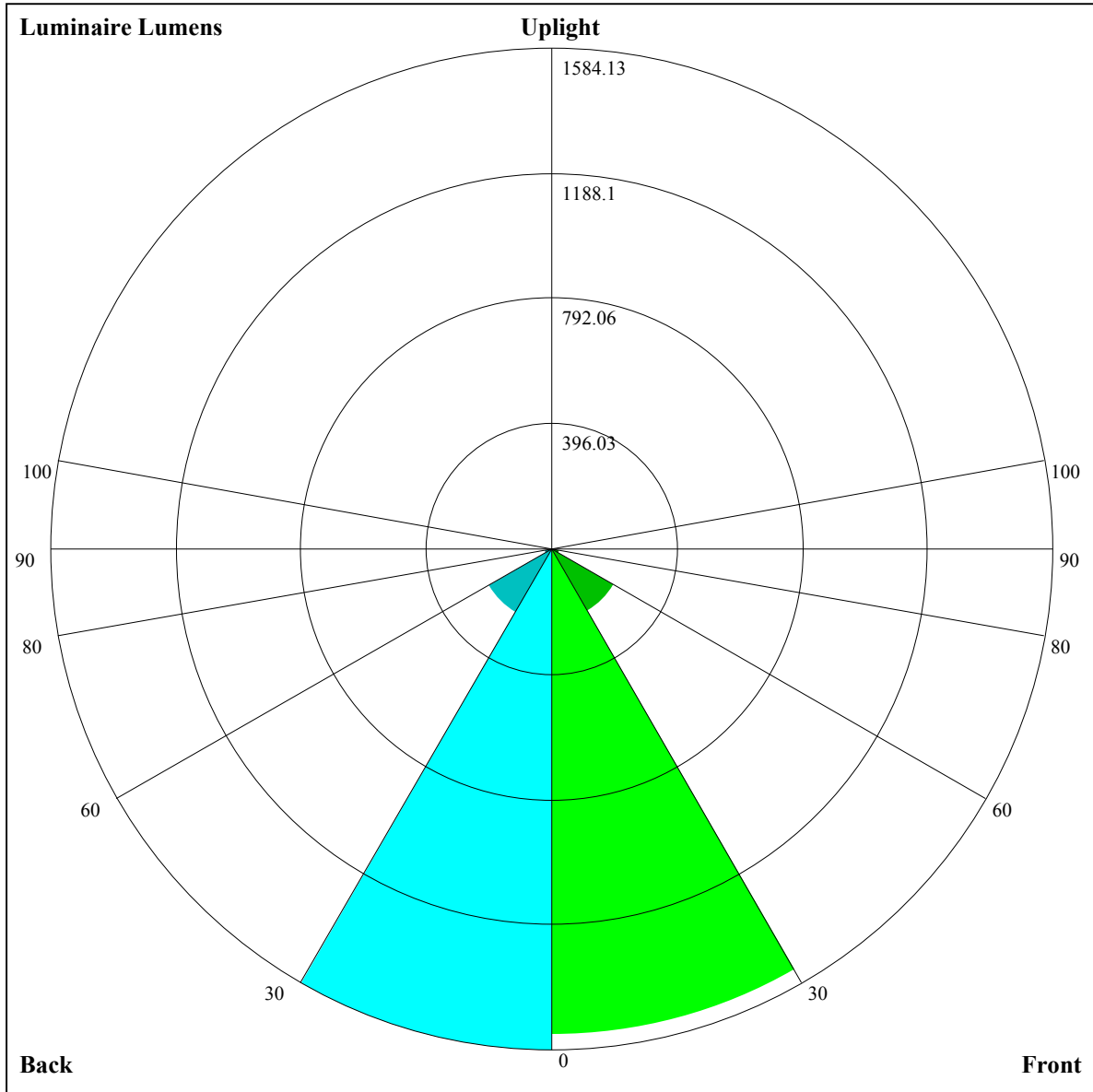
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.93	0.94	0.93	0.91	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.86	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.80	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.76	0.73	0.72	0.70
5	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.64
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.59
9	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1534.45,FM=224.4,FH=26.74,FVH=8.98

BL=1584.13,BM=232.58,BH=27.25,BVH=9.04

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	12661.93	12515.62	11652.47	11652.47	11425.41	10901.63	10320.50	9674.41	8833.44
45.0	12702.89	12679.48	12562.44	12340.05	11918.69	11479.77	10841.88	10244.95	9601.20
90.0	12685.34	12527.33	11646.04	11646.04	11533.09	10897.53	10314.65	9676.75	8999.06
135.0	12638.52	12679.48	12603.41	12416.13	12041.59	11643.64	11163.75	10631.20	9858.70
180.0	12661.93	12702.89	12632.67	12451.25	12158.63	11684.60	11204.72	10654.61	9882.11
225.0	12702.89	12580.00	12299.09	11657.16	11657.16	11036.82	10460.37	9814.28	9131.32
270.0	12685.34	12685.34	12580.00	12310.79	11988.92	11485.63	10988.18	10408.81	9612.91
315.0	12638.52	12492.21	11651.30	11651.30	11427.16	10781.07	10171.85	9505.28	8801.26
360.0	12661.93	12515.62	11652.47	11652.47	11425.41	10901.63	10320.50	9674.41	8833.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8149.90	7313.03	6666.94	6057.72	5346.67	4831.68	4367.59	3948.57	3477.47
45.0	8776.03	8108.88	7435.87	6803.83	6048.89	5487.07	4960.37	4486.33	3959.63
90.0	8321.37	7478.65	6830.80	6219.24	5501.76	4978.57	4505.71	3977.25	3593.34
135.0	9191.54	8500.98	7810.41	7143.26	6347.35	5762.13	5065.71	4568.27	4123.50
180.0	9209.10	8313.71	7611.44	6932.58	6136.67	5563.15	5024.74	4550.71	4006.45
225.0	8240.61	7535.42	6713.76	6108.05	5540.97	4898.39	4437.82	4015.29	3538.91
270.0	8928.19	8220.07	7517.80	6692.63	6084.00	5528.04	5007.19	4416.11	3988.89
315.0	8098.99	7243.39	6601.40	5999.79	5436.80	4797.73	4333.65	3825.67	3453.47
360.0	8149.90	7313.03	6666.94	6057.72	5346.67	4831.68	4367.59	3948.57	3477.47
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3150.32	2859.47	2604.89	2342.13	2163.05	2008.55	1844.10	1737.59	1639.86
45.0	3585.09	3239.81	3011.57	3011.57	2400.07	2171.83	2012.65	1877.46	1738.76
90.0	3177.25	2881.71	2624.21	2401.24	2169.49	2006.80	1866.93	1751.05	1653.90
135.0	3631.91	3286.62	2982.31	2982.31	2426.99	2234.45	2064.73	1880.39	1758.66
180.0	3602.65	3245.66	3017.42	3017.42	2373.73	2196.99	2016.74	1844.69	1721.79
225.0	3197.14	2893.41	2625.38	2344.47	2160.71	1999.19	1855.81	1713.01	1617.62
270.0	3590.94	3157.87	3011.57	3011.57	2328.67	2152.52	1992.75	1827.13	1718.86
315.0	3123.40	2763.49	2517.11	2311.70	2098.09	1953.54	1827.13	1725.89	1612.94
360.0	3150.32	2859.47	2604.89	2342.13	2163.05	2008.55	1844.10	1737.59	1639.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1519.30	1308.04	1143.35	1109.12	973.64	839.39	706.95	552.10	438.98
45.0	1643.96	1550.32	1443.22	1291.65	1160.56	1024.20	850.98	715.20	587.04
90.0	1540.37	1433.86	1146.57	1146.57	1011.62	840.56	704.96	573.93	425.11
135.0	1651.56	1556.76	1425.67	1303.94	1176.36	1008.40	876.14	745.64	591.72
180.0	1608.26	1519.89	1410.45	1252.44	1116.67	983.82	847.46	686.53	567.14
225.0	1531.59	1308.62	1140.95	1140.95	969.43	831.90	697.06	537.88	422.94
270.0	1625.23	1534.52	1411.04	1289.31	1152.37	1019.52	846.29	705.84	578.26
315.0	1524.57	1314.47	1139.32	1104.61	966.15	829.21	697.30	542.74	430.90
360.0	1519.30	1308.04	1143.35	1109.12	973.64	839.39	706.95	552.10	438.98
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	338.61	251.53	166.44	122.96	104.76	95.68	89.77	84.68	80.35
45.0	465.31	330.71	307.30	307.30	115.93	104.29	97.73	90.48	85.50
90.0	322.11	234.85	164.16	111.13	98.49	92.52	87.43	81.76	79.24
135.0	477.02	347.10	299.11	299.11	122.37	97.85	91.47	85.97	81.76
180.0	455.36	353.53	305.55	305.55	117.22	98.03	91.70	86.73	80.82
225.0	321.23	234.85	152.63	114.70	100.01	93.99	87.37	81.70	78.65
270.0	430.78	327.20	303.79	203.54	115.46	101.07	92.99	87.67	82.34
315.0	306.37	220.16	153.04	104.81	94.22	88.84	83.92	79.18	77.25
360.0	338.61	251.53	166.44	122.96	104.76	95.68	89.77	84.68	80.35

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	77.19	74.09	72.63	71.22	69.58	67.18	66.01	64.55	62.97
45.0	82.34	78.71	76.43	74.27	72.92	70.58	69.52	67.89	66.19
90.0	76.61	73.91	72.74	71.46	69.88	68.94	67.36	66.01	64.73
135.0	77.83	74.85	72.45	71.05	69.99	68.47	66.95	66.19	64.84
180.0	78.30	75.49	72.63	71.16	70.23	68.88	67.01	66.13	64.78
225.0	75.44	73.39	71.34	69.52	67.59	66.54	65.25	63.56	62.27
270.0	79.59	76.02	73.39	72.04	70.58	68.47	66.83	65.72	64.02
315.0	75.08	73.39	71.81	70.87	69.17	67.77	66.60	65.43	63.20
360.0	77.19	74.09	72.63	71.22	69.58	67.18	66.01	64.55	62.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	60.75	58.29	55.83	53.14	48.92	46.06	41.55	38.80	36.64
45.0	63.79	61.98	59.11	56.94	53.84	49.86	46.88	42.66	39.74
90.0	62.74	60.10	58.00	55.30	51.73	48.92	44.18	40.67	38.04
135.0	63.09	61.68	59.34	57.24	54.72	51.32	48.22	45.12	41.14
180.0	63.38	61.62	59.34	57.35	54.54	51.27	47.40	44.01	40.44
225.0	60.51	58.29	56.24	53.72	50.62	46.99	43.48	39.44	37.34
270.0	62.62	60.75	58.29	56.01	52.90	49.69	46.94	43.42	39.50
315.0	61.27	58.70	56.53	53.55	50.50	46.58	42.78	40.03	37.69
360.0	60.75	58.29	55.83	53.14	48.92	46.06	41.55	38.80	36.64
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.47	31.60	29.96	27.86	26.04	24.81	23.70	22.94	22.30
45.0	36.99	34.06	32.30	30.55	27.92	26.51	25.28	23.88	23.12
90.0	35.00	32.95	30.90	28.44	27.04	25.46	24.23	23.35	22.77
135.0	37.98	35.64	32.66	31.02	29.09	26.74	25.52	24.40	23.17
180.0	37.63	34.94	32.89	31.25	28.50	26.80	25.63	24.52	23.29
225.0	34.70	32.01	30.37	28.21	26.16	24.99	23.94	23.00	22.41
270.0	37.34	34.59	32.36	30.20	27.92	26.34	24.81	23.76	22.94
315.0	34.24	32.36	30.49	28.32	26.39	25.22	23.82	23.06	22.41
360.0	33.47	31.60	29.96	27.86	26.04	24.81	23.70	22.94	22.30
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.65	21.13	20.60	20.19	19.72	19.25	18.79	18.38	17.91
45.0	22.47	21.83	21.30	20.78	20.31	19.84	19.43	18.90	18.49
90.0	22.06	21.54	21.13	20.60	20.07	19.66	19.25	18.61	18.20
135.0	22.53	21.95	21.42	20.78	20.37	20.01	19.55	19.08	18.61
180.0	22.65	22.12	21.48	21.07	20.60	20.01	19.61	19.14	18.61
225.0	21.77	21.30	20.83	20.31	19.84	19.31	18.90	18.43	17.97
270.0	22.24	21.71	21.24	20.66	20.19	19.78	19.37	18.84	18.38
315.0	21.71	21.24	20.78	20.31	19.78	19.31	18.84	18.38	17.91
360.0	21.65	21.13	20.60	20.19	19.72	19.25	18.79	18.38	17.91
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.56	17.15	16.80	16.44	16.21	15.86	15.57	15.68	15.22
45.0	18.02	17.56	17.15	16.85	16.50	16.27	15.92	15.57	15.33
90.0	17.73	17.38	16.97	16.62	16.39	15.92	15.63	15.57	15.10
135.0	18.20	17.73	17.26	16.97	16.62	16.27	15.98	15.63	15.45
180.0	18.20	17.73	17.38	17.03	16.68	16.44	16.09	15.63	15.63
225.0	17.62	17.32	16.97	16.56	16.27	16.04	15.57	15.57	15.10
270.0	17.97	17.62	17.21	16.74	16.33	15.98	15.74	15.45	15.27
315.0	17.62	17.15	16.80	16.44	16.09	15.80	15.51	15.51	15.45
360.0	17.56	17.15	16.80	16.44	16.21	15.86	15.57	15.68	15.22

Intensity data(cd)

C/ γ (°)	90.0
0.0	15.51
45.0	15.22
90.0	15.22
135.0	15.10
180.0	15.16
225.0	15.27
270.0	15.33
315.0	15.33
360.0	15.51