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Nata

Client:

LumCAT: 2-2759-L

Luminaire: 92.70.411.00

Report No: 2024829-B016

Ballast type: AC

Test No: 2024829-C016

Voltage(V): 35.080

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.598

Lamp flux(lm): 3408.0

Power (W): 20.970

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3187.20, Efficiency(%): 93.52% , Luminous Efficacy(lm/W): 151.99

Central intensity(cd): 6507.527, Maximum intensity(cd): 6507.527

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=38.6

[C90/270]Total=38.6

Field angle(10%Imax): [C0/180]Total=68.4

[C90/270]Total=68.4

Maximum s/h(1/2): C0_180=0.62 C90_270=0.62

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(%): 93.52%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.154%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/29
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	6507.527	0.000	0	0.00%	0.00%
1.0	6496.186	6.222	6.222	0.18%	0.20%
2.0	6459.268	18.595	24.817	0.55%	0.78%
3.0	6389.491	30.730	55.547	0.90%	1.74%
4.0	6287.802	42.435	97.982	1.25%	3.07%
5.0	6165.088	53.572	151.554	1.57%	4.76%
6.0	6030.745	64.092	215.646	1.88%	6.77%
7.0	5854.549	73.772	289.418	2.16%	9.08%
8.0	5692.065	82.637	372.055	2.42%	11.67%
9.0	5488.839	90.615	462.67	2.66%	14.52%
10.0	5288.957	97.535	560.205	2.86%	17.58%
11.0	5089.206	103.699	663.904	3.04%	20.83%
12.0	4883.194	109.013	772.917	3.20%	24.25%
13.0	4643.969	113.063	885.98	3.32%	27.80%
14.0	4429.389	116.138	1002.118	3.41%	31.44%
15.0	4201.577	118.490	1120.608	3.48%	35.16%
16.0	3964.783	119.660	1240.268	3.51%	38.91%
17.0	3767.963	120.420	1360.688	3.53%	42.69%
18.0	3544.197	120.562	1481.249	3.54%	46.47%
19.0	3324.539	119.502	1600.751	3.51%	50.22%
20.0	3112.186	117.810	1718.561	3.46%	53.92%
21.0	2904.019	115.523	1834.085	3.39%	57.55%
22.0	2704.413	112.704	1946.788	3.31%	61.08%
23.0	2510.385	109.421	2056.209	3.21%	64.51%
24.0	2320.050	105.611	2161.82	3.10%	67.83%
25.0	2133.597	101.266	2263.086	2.97%	71.01%
26.0	1949.878	96.391	2359.477	2.83%	74.03%
27.0	1773.603	91.096	2450.572	2.67%	76.89%
28.0	1553.879	84.245	2534.817	2.47%	79.53%
29.0	1443.077	78.409	2613.226	2.30%	81.99%
30.0	1233.990	72.280	2685.506	2.12%	84.26%
31.0	1066.487	64.019	2749.525	1.88%	86.27%
32.0	944.272	57.606	2807.131	1.69%	88.08%
33.0	807.879	51.619	2858.75	1.51%	89.69%
34.0	674.022	44.847	2903.597	1.32%	91.10%
35.0	550.625	38.033	2941.63	1.12%	92.30%
36.0	452.911	31.953	2973.583	0.94%	93.30%
37.0	375.855	27.030	3000.612	0.79%	94.15%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	309.692	22.883	3023.495	0.67%	94.86%
39.0	258.943	19.409	3042.904	0.57%	95.47%
40.0	208.982	16.320	3059.224	0.48%	95.98%
41.0	181.886	13.919	3073.142	0.41%	96.42%
42.0	151.715	12.120	3085.263	0.36%	96.80%
43.0	119.153	10.034	3095.296	0.29%	97.12%
44.0	101.216	8.317	3103.614	0.24%	97.38%
45.0	83.614	7.103	3110.717	0.21%	97.60%
46.0	71.807	6.078	3116.795	0.18%	97.79%
47.0	61.715	5.311	3122.105	0.16%	97.96%
48.0	53.601	4.662	3126.767	0.14%	98.10%
49.0	47.517	4.152	3130.92	0.12%	98.23%
50.0	42.727	3.763	3134.682	0.11%	98.35%
51.0	38.417	3.433	3138.115	0.10%	98.46%
52.0	34.947	3.148	3141.263	0.09%	98.56%
53.0	32.267	2.924	3144.187	0.09%	98.65%
54.0	29.553	2.725	3146.912	0.08%	98.74%
55.0	27.438	2.544	3149.456	0.07%	98.82%
56.0	25.565	2.395	3151.851	0.07%	98.89%
57.0	23.883	2.261	3154.112	0.07%	98.96%
58.0	22.431	2.142	3156.253	0.06%	99.03%
59.0	21.110	2.036	3158.289	0.06%	99.09%
60.0	19.941	1.939	3160.228	0.06%	99.15%
61.0	18.857	1.852	3162.08	0.05%	99.21%
62.0	17.898	1.771	3163.851	0.05%	99.27%
63.0	16.997	1.697	3165.548	0.05%	99.32%
64.0	16.071	1.623	3167.171	0.05%	99.37%
65.0	15.217	1.548	3168.719	0.05%	99.42%
66.0	14.376	1.476	3170.196	0.04%	99.47%
67.0	13.581	1.406	3171.601	0.04%	99.51%
68.0	12.733	1.333	3172.934	0.04%	99.55%
69.0	11.892	1.256	3174.191	0.04%	99.59%
70.0	11.137	1.183	3175.373	0.03%	99.63%
71.0	10.388	1.112	3176.486	0.03%	99.66%
72.0	9.731	1.046	3177.532	0.03%	99.70%
73.0	9.126	0.986	3178.518	0.03%	99.73%
74.0	8.581	0.931	3179.449	0.03%	99.76%
75.0	7.996	0.876	3180.325	0.03%	99.78%

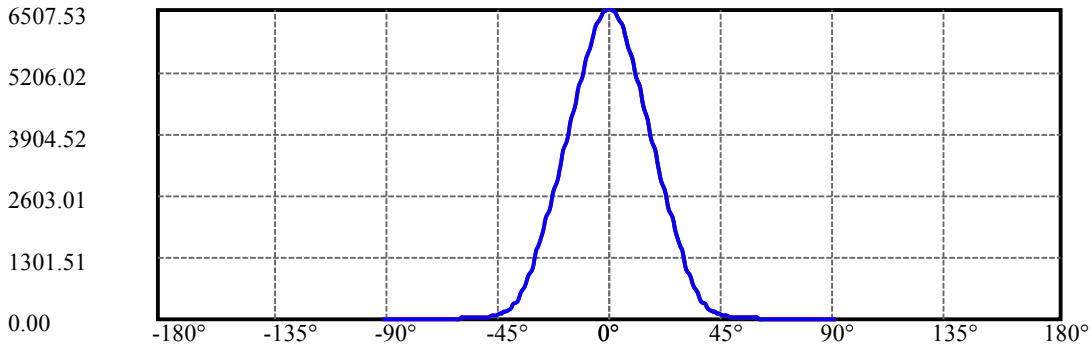
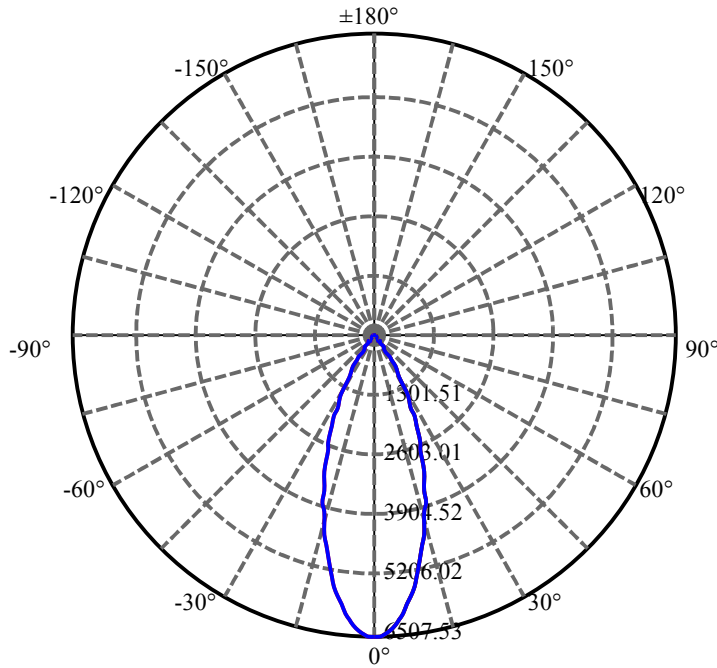
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.392	0.817	3181.142	0.02%	99.81%
77.0	6.905	0.762	3181.904	0.02%	99.83%
78.0	6.334	0.709	3182.613	0.02%	99.86%
79.0	5.795	0.652	3183.264	0.02%	99.88%
80.0	5.243	0.595	3183.859	0.02%	99.90%
81.0	4.731	0.539	3184.399	0.02%	99.91%
82.0	4.231	0.486	3184.885	0.01%	99.93%
83.0	3.758	0.434	3185.319	0.01%	99.94%
84.0	3.285	0.384	3185.703	0.01%	99.95%
85.0	2.891	0.337	3186.04	0.01%	99.96%
86.0	2.516	0.296	3186.335	0.01%	99.97%
87.0	2.221	0.259	3186.595	0.01%	99.98%
88.0	1.892	0.225	3186.82	0.01%	99.99%
89.0	1.721	0.198	3187.018	0.01%	99.99%
90.0	1.537	0.179	3187.197	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2685.51	78.80%	84.26%
0-40	3059.22	89.77%	95.98%
0-60	3160.23	92.73%	99.15%
0-90	3187.02	93.52%	99.99%
0-120	3187.02	93.52%	99.99%
0-180	3187.20	93.52%	100.00%
60-90	26.79	0.79%	0.84%
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%
0-28.19	2549.76	74.82%	80.00%

ZONAL LUMEN SUMMARY

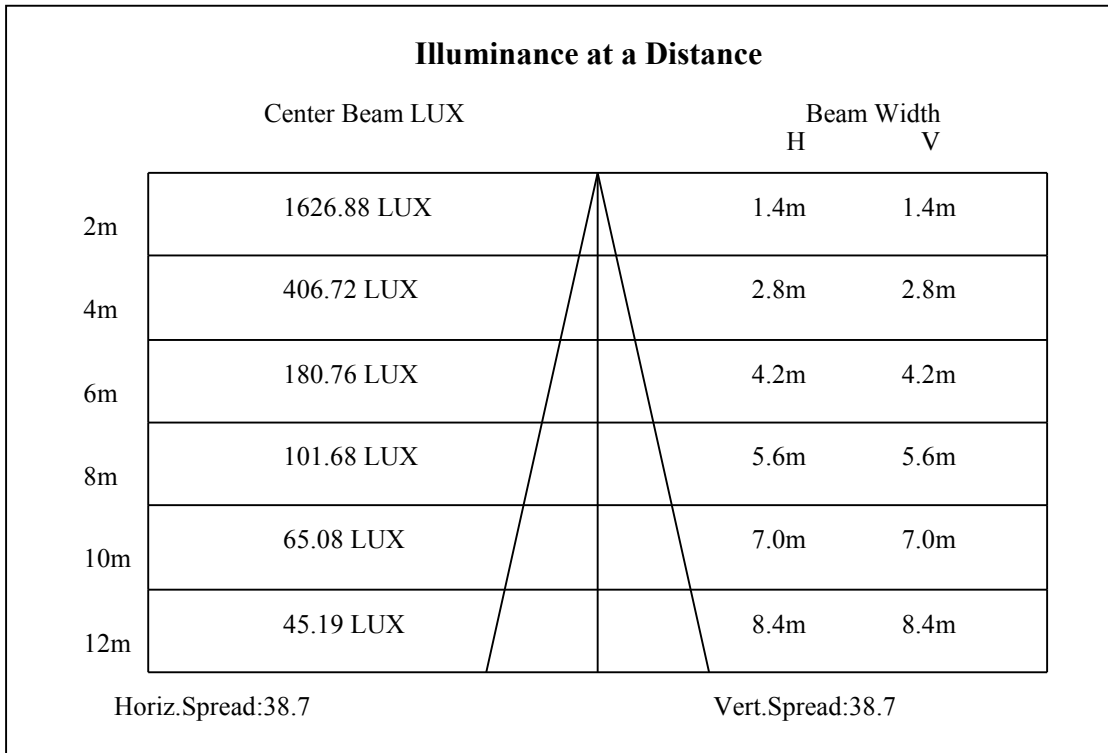
0-10	560.20
10-20	1158.36
20-30	966.95
30-40	373.72
40-50	75.46
50-60	25.55
60-70	15.14
70-80	8.49
80-90	3.16
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

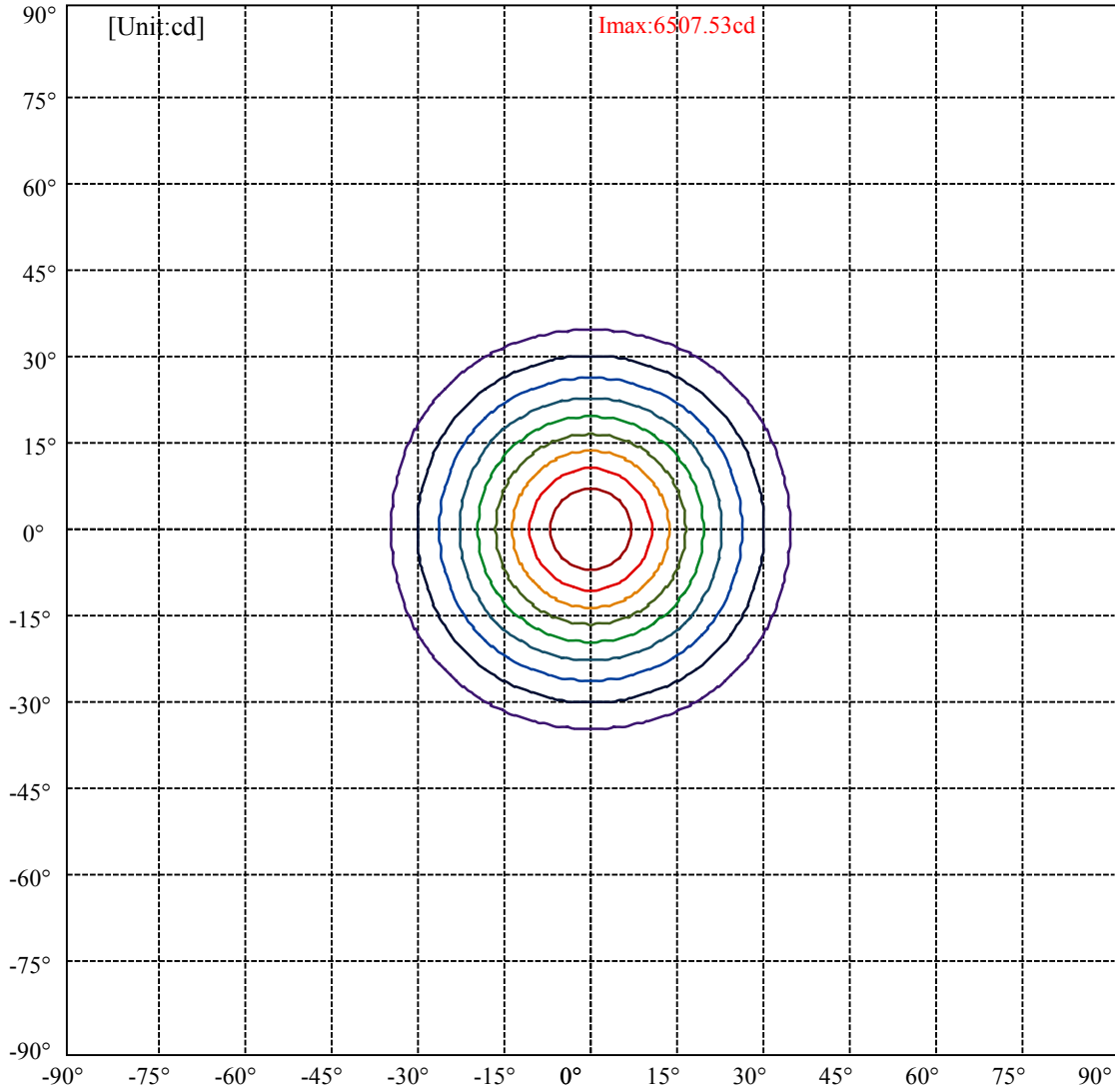


C0(Max): ———
C0/C180: ———
C90/C270: ———

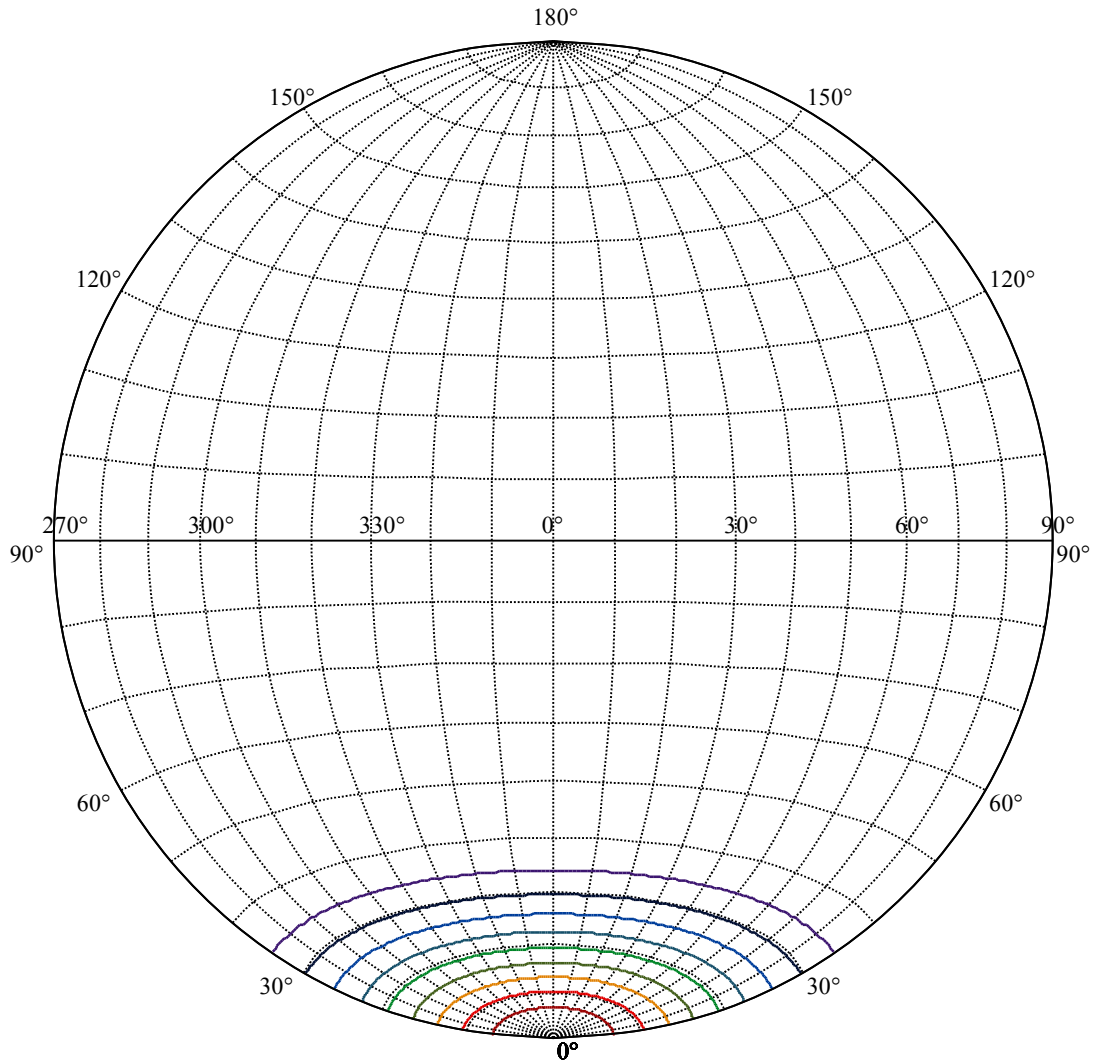
Field angle(10%Imax):C0/180Left:34.2 Right:34.2
:C90/270Left:34.2 Right:34.2

Beam Angle(50%Imax):C0/180Left:19.3 Right:19.3
:C90/270Left:19.3 Right:19.3





(10%Imax) 650.753	—
(20%Imax) 1301.51	—
(30%Imax) 1952.26	—
(40%Imax) 2603.01	—
(50%Imax) 3253.76	—
(60%Imax) 3904.52	—
(70%Imax) 4555.27	—
(80%Imax) 5206.02	—
(90%Imax) 5856.77	—



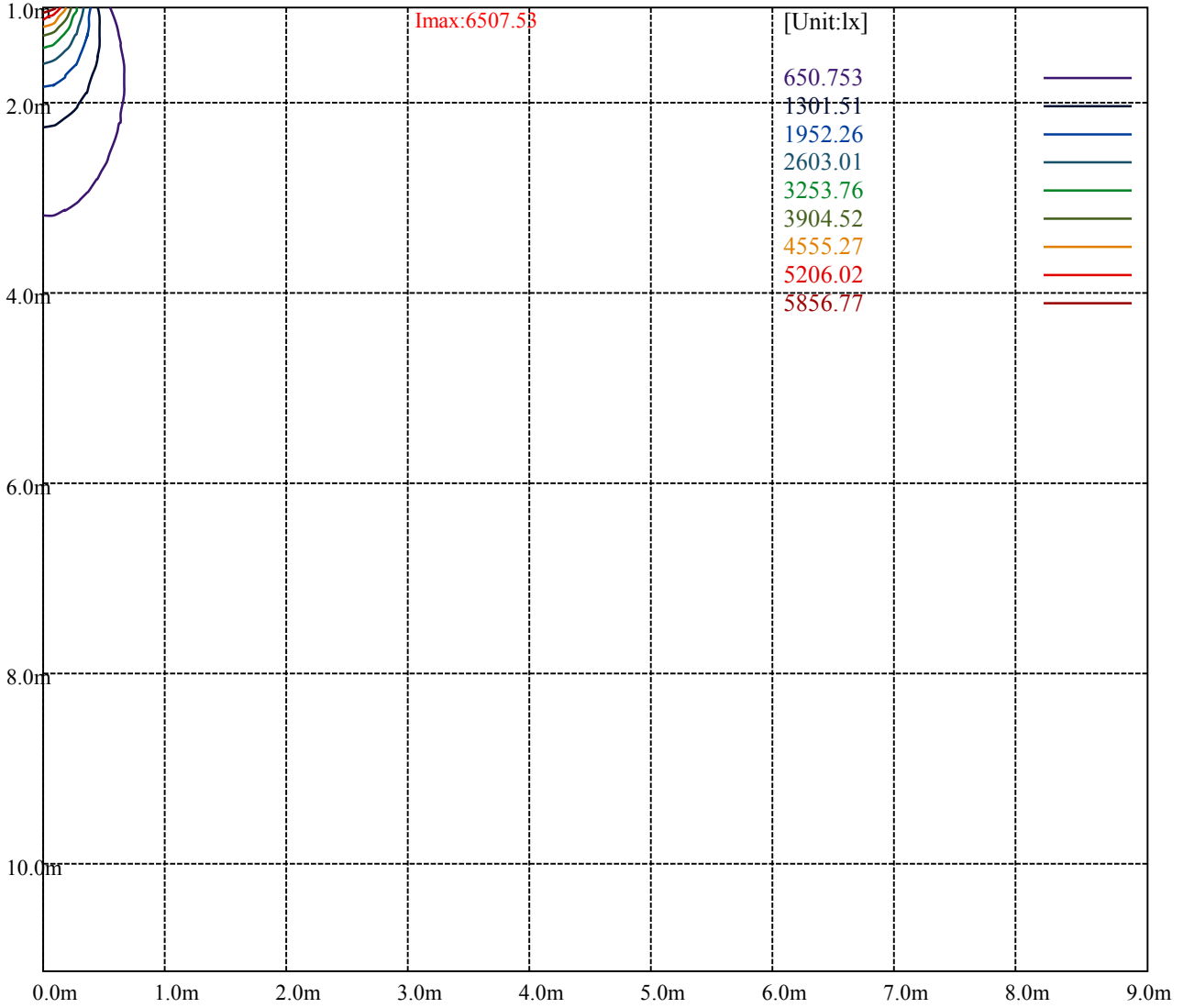
House

[Unit:cd]

Road

Imax:6507.53

(10%Imax) 650.753	—
(20%Imax) 1301.51	—
(30%Imax) 1952.26	—
(40%Imax) 2603.01	—
(50%Imax) 3253.76	—
(60%Imax) 3904.52	—
(70%Imax) 4555.27	—
(80%Imax) 5206.02	—
(90%Imax) 5856.77	—



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

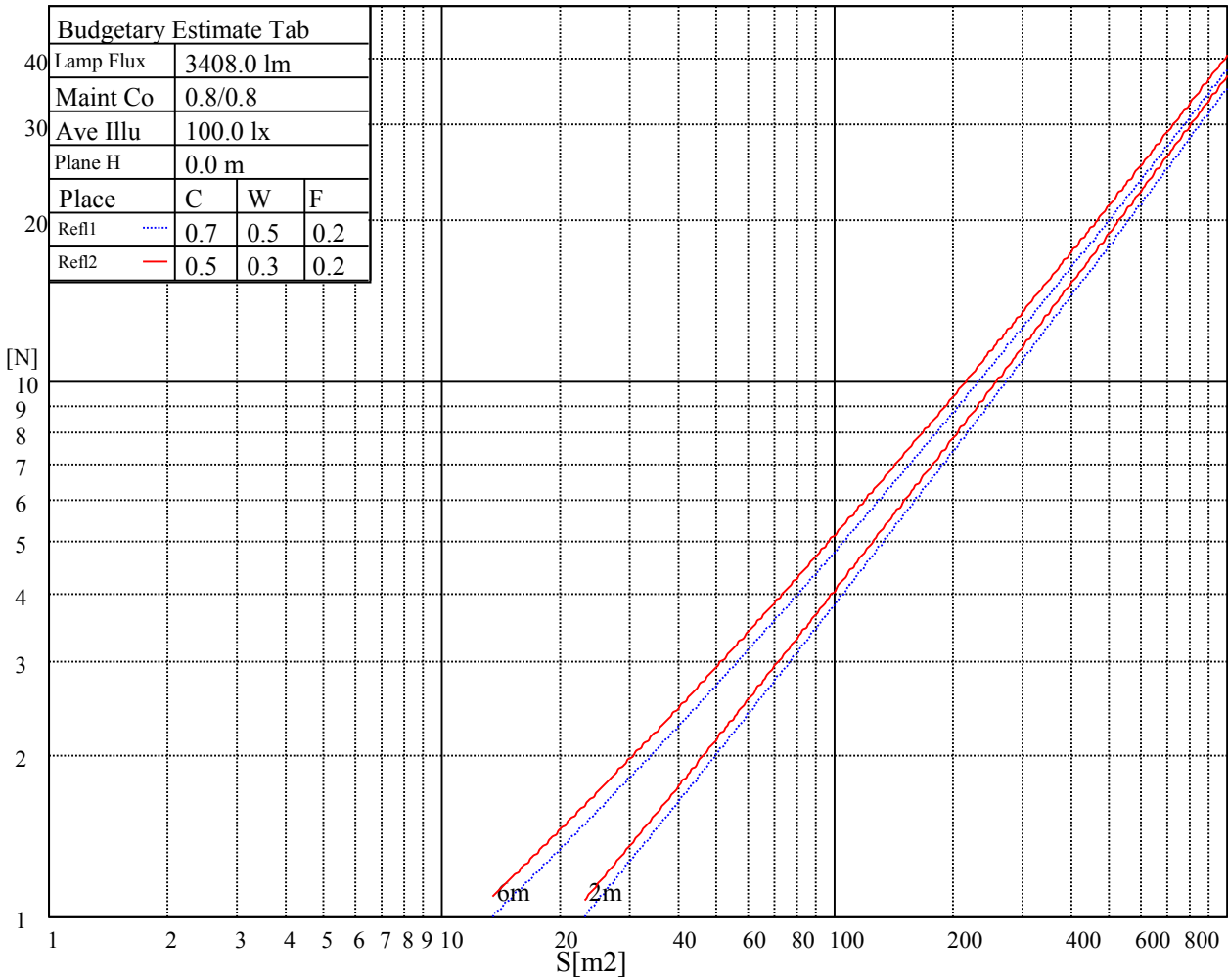
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

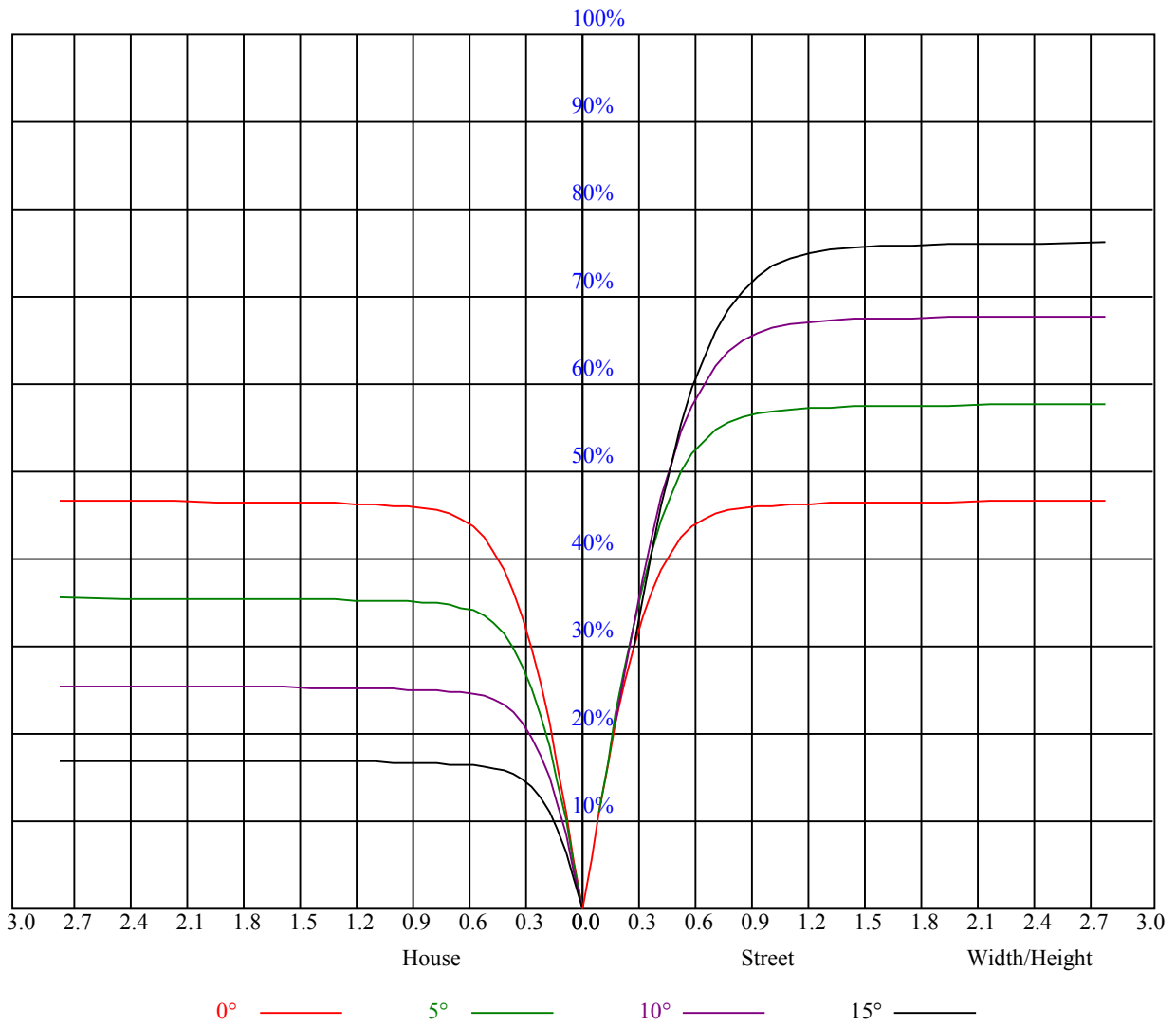


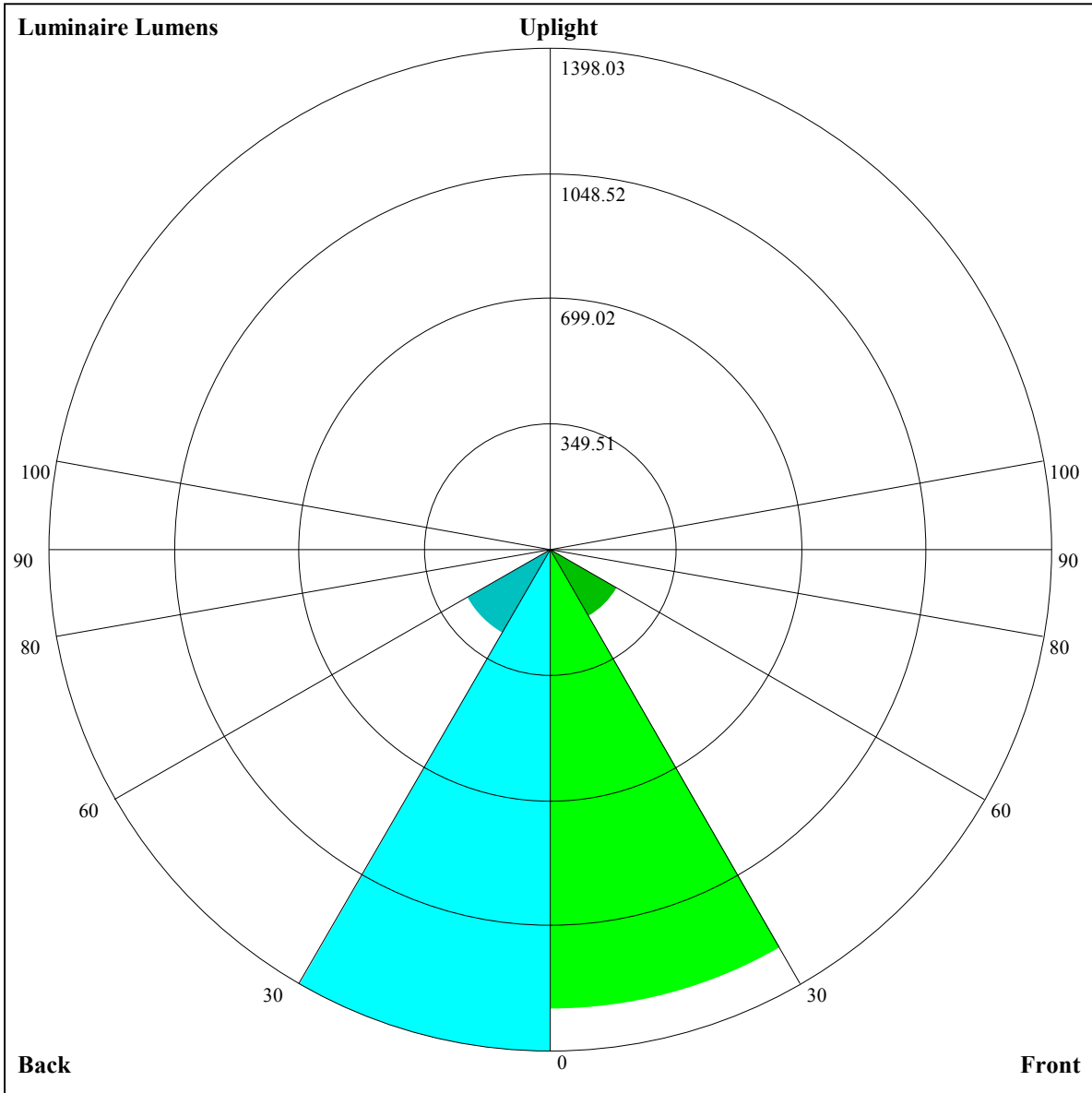
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.94
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.86	0.85	0.84
3	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.85	0.83	0.86	0.84	0.82	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	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
7	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	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	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	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=1282.13,FM=214.45,FH=11.25,FVH=1.52

BL=1398.03,BM=269.47,BH=12.35,BVH=1.82

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	6487.32	6427.18	6335.25	6206.53	6054.41	5872.23	5683.37	5476.64	5268.29
45.0	6524.11	6481.22	6408.21	6291.21	6140.25	5960.80	5846.05	5569.15	5439.33
90.0	6484.00	6414.36	6295.10	6162.53	5995.91	5812.62	5610.94	5388.08	5167.42
135.0	6534.68	6516.33	6476.75	6409.89	6309.60	6202.64	6047.16	5888.94	5698.93
180.0	6487.32	6514.07	6519.12	6511.86	6483.43	6411.57	6353.07	6199.27	6111.81
225.0	6524.11	6567.00	6579.25	6525.79	6465.61	6387.61	6277.85	6151.39	5984.24
270.0	6484.00	6517.43	6580.93	6583.19	6521.90	6461.72	6366.42	6261.14	6163.64
315.0	6534.68	6531.89	6479.54	6424.92	6331.31	6211.52	6061.09	5901.77	5702.87
360.0	6487.32	6427.18	6335.25	6206.53	6054.41	5872.23	5683.37	5476.64	5268.29
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5043.74	4814.73	4596.91	4375.14	4147.81	4007.94	3682.58	3458.61	3331.57
45.0	5206.42	4988.02	4757.33	4530.57	4298.82	4059.24	3831.91	3592.86	3366.10
90.0	4934.51	4702.19	4478.75	4340.03	4005.16	3775.09	3636.90	3326.58	3206.21
135.0	5482.22	5271.07	5046.53	4910.02	4686.05	4455.36	4223.03	3994.01	3764.47
180.0	5956.38	5701.19	5579.72	5359.64	5146.81	4933.99	4697.72	4467.60	4228.60
225.0	5803.16	5613.15	5443.79	5176.88	4954.59	4727.26	4514.44	4290.47	4101.56
270.0	5975.88	5830.44	5638.22	5427.60	5203.06	4991.34	4753.44	4527.79	4310.49
315.0	5508.39	5390.86	5172.41	4945.66	4709.44	4484.90	4272.60	4060.35	3834.70
360.0	5043.74	4814.73	4596.91	4375.14	4147.81	4007.94	3682.58	3458.61	3331.57
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3122.05	2913.70	2712.54	2510.33	2316.43	2128.68	1951.49	1782.08	1612.72
45.0	3144.34	2929.83	2728.73	2534.25	2337.61	2152.07	1969.31	1798.79	1633.91
90.0	3003.42	2803.95	2603.89	2410.57	2235.64	2059.03	1897.45	1728.62	1561.47
135.0	3540.50	3334.93	3137.14	2932.09	2732.04	2538.19	2342.61	2158.74	1979.87
180.0	4000.16	3769.52	3550.54	3337.14	3130.41	2924.26	2716.48	2507.55	2304.18
225.0	3861.45	3614.62	3378.93	3153.86	2946.02	2740.40	2534.83	2334.25	2138.14
270.0	4085.42	3855.30	3624.08	3401.21	3191.70	2988.91	2791.12	2589.96	2388.28
315.0	3596.22	3374.46	3161.63	2952.70	2745.44	2551.54	2357.11	2168.78	1980.45
360.0	3122.05	2913.70	2712.54	2510.33	2316.43	2128.68	1951.49	1782.08	1612.72
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1442.79	1065.55	1065.55	886.94	726.57	642.26	484.73	432.75	358.74
45.0	1535.82	1304.08	1200.42	1029.91	859.98	707.33	575.30	469.96	385.28
90.0	1302.39	1066.81	1066.81	855.88	702.50	599.48	490.57	402.10	329.83
135.0	1804.94	1635.01	1458.92	1278.43	1130.20	914.06	779.76	634.90	498.98
180.0	2150.96	1936.46	1772.09	1636.11	1429.44	1290.15	1112.38	933.56	766.41
225.0	1949.81	1776.51	1611.62	1445.57	1046.68	1046.68	1014.35	848.10	696.98
270.0	2194.96	2013.30	1909.70	1667.34	1564.79	1393.75	1217.72	1037.16	856.09
315.0	1807.15	1633.33	1459.50	1071.75	1071.75	960.47	788.23	633.64	512.69
360.0	1442.79	1065.55	1065.55	886.94	726.57	642.26	484.73	432.75	358.74
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	298.40	248.04	205.36	168.67	137.92	113.11	93.04	77.32	64.91
45.0	315.64	291.14	235.48	166.78	136.61	111.96	92.46	77.06	69.33
90.0	272.06	224.02	184.18	150.43	122.68	100.71	83.68	70.33	60.45
135.0	427.07	353.54	292.83	292.83	200.00	165.36	137.14	113.48	94.61
180.0	624.34	509.54	420.39	348.54	288.88	288.88	197.90	164.31	146.65
225.0	569.57	467.91	386.02	318.58	265.02	219.97	181.50	149.33	122.58
270.0	696.19	564.68	463.86	384.76	319.53	287.25	287.25	182.44	150.70
315.0	420.03	347.96	289.41	240.95	201.21	167.83	140.76	118.95	100.50
360.0	298.40	248.04	205.36	168.67	137.92	113.11	93.04	77.32	64.91

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	55.61	48.52	42.89	38.42	34.74	31.75	29.17	27.07	25.76
45.0	59.08	51.14	44.84	40.05	35.85	32.48	29.70	27.39	25.49
90.0	52.77	46.89	42.31	38.27	34.90	32.22	29.96	27.96	26.81
135.0	79.74	68.54	59.97	55.77	48.15	45.47	41.42	38.16	35.37
180.0	112.22	93.25	83.63	70.75	60.97	53.51	47.67	42.94	39.05
225.0	100.45	82.84	69.17	58.92	51.04	45.89	39.79	35.58	32.69
270.0	123.57	105.39	86.89	69.96	61.39	52.77	46.26	40.84	36.48
315.0	85.47	77.90	64.02	56.66	53.09	47.73	43.36	39.63	36.48
360.0	55.61	48.52	42.89	38.42	34.74	31.75	29.17	27.07	25.76
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.34	22.39	20.87	19.61	18.61	17.66	16.77	15.98	15.19
45.0	23.60	21.97	20.66	19.50	18.29	17.35	16.56	15.72	14.88
90.0	25.23	23.07	22.18	20.87	19.76	18.71	17.77	16.82	15.93
135.0	32.96	30.91	28.96	27.23	25.55	24.07	22.60	21.45	20.39
180.0	35.58	32.69	30.28	28.12	26.23	24.44	22.92	21.50	20.18
225.0	29.17	27.23	25.07	23.23	21.66	20.18	18.98	17.92	17.08
270.0	32.75	29.65	27.07	25.02	23.44	22.02	20.87	19.76	18.92
315.0	33.80	31.59	29.44	27.49	25.91	24.44	23.07	21.71	20.60
360.0	23.34	22.39	20.87	19.61	18.61	17.66	16.77	15.98	15.19
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.40	13.61	12.88	12.04	11.35	10.62	10.09	9.41	8.78
45.0	14.03	13.30	12.83	12.14	11.41	10.72	10.09	9.51	8.83
90.0	15.03	14.09	13.09	12.25	11.41	10.62	9.83	9.20	8.67
135.0	19.40	18.24	17.14	16.19	15.09	13.98	12.98	12.30	11.41
180.0	19.13	18.08	17.14	16.14	15.14	14.40	13.46	12.30	11.67
225.0	16.29	15.61	14.88	14.14	13.46	12.67	11.93	11.14	10.46
270.0	18.13	17.35	16.66	15.98	15.51	14.88	13.77	13.14	12.09
315.0	19.55	18.29	17.14	16.14	15.30	13.98	12.98	12.09	11.20
360.0	14.40	13.61	12.88	12.04	11.35	10.62	10.09	9.41	8.78
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.25	7.78	7.31	6.57	6.15	5.68	5.10	4.57	4.05
45.0	8.30	7.73	7.25	6.62	6.10	5.62	5.10	4.57	4.10
90.0	8.20	7.52	7.10	6.62	5.94	5.62	4.99	4.47	3.94
135.0	10.83	10.30	9.67	9.15	8.52	7.88	7.36	6.78	6.15
180.0	10.88	10.20	9.51	8.94	8.41	7.83	7.25	6.73	6.15
225.0	9.78	9.25	8.83	8.30	7.52	7.25	6.62	6.15	5.73
270.0	11.20	10.51	9.83	9.20	8.57	8.04	7.52	6.89	6.25
315.0	10.41	9.72	9.15	8.57	7.94	7.31	6.73	6.20	5.57
360.0	8.25	7.78	7.31	6.57	6.15	5.68	5.10	4.57	4.05
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.68	3.15	2.84	2.42	2.16	1.89	1.68	1.42	1.42
45.0	3.68	3.21	2.79	2.37	2.10	1.79	1.68	1.37	1.42
90.0	3.31	2.94	2.63	2.26	2.10	1.79	1.52	1.42	1.42
135.0	5.62	5.10	4.57	3.89	3.36	3.10	2.84	2.37	2.05
180.0	5.62	5.05	4.57	3.99	3.47	2.94	2.63	2.21	2.00
225.0	5.15	4.57	4.10	3.73	3.26	2.84	2.42	2.10	1.84
270.0	5.78	5.31	4.63	4.15	3.63	3.10	2.73	2.31	2.05
315.0	4.99	4.52	3.94	3.47	3.05	2.68	2.26	1.94	1.58
360.0	3.68	3.15	2.84	2.42	2.16	1.89	1.68	1.42	1.42

Intensity data(cd)

C/γ(°)	90.0
0.0	1.37
45.0	1.37
90.0	1.42
135.0	1.47
180.0	1.73
225.0	1.73
270.0	1.73
315.0	1.47
360.0	1.37