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## Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.412.00

Report No: 2024822-B017

Ballast type: AC

Test No: 2024822-C017

Voltage(V): 34.930

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.110

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

Lumens(lm): 3084.08, Efficiency(%): 93.15% , Luminous Efficacy(lm/W): 153.36

Central intensity(cd): 4502.307, Maximum intensity(cd): 4502.307

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

Beam Angle(50%Imax): [C0/180]Total=50.8

[C90/270]Total=50.8

Field angle(10%Imax): [C0/180]Total=74.2

[C90/270]Total=74.2

Maximum s/h(1/2): C0\_180=0.80 C90\_270=0.80

Maximum s/h(1/4): C0\_180=0.78 C90\_270=0.78

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.15%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.058%

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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	4502.307	0.000	0	0.00%	0.00%
1.0	4501.682	4.308	4.308	0.13%	0.14%
2.0	4496.939	12.916	17.224	0.39%	0.56%
3.0	4489.488	21.493	38.716	0.65%	1.26%
4.0	4480.993	30.027	68.744	0.91%	2.23%
5.0	4464.278	38.482	107.226	1.16%	3.48%
6.0	4435.723	46.772	153.998	1.41%	4.99%
7.0	4401.400	54.852	208.849	1.66%	6.77%
8.0	4356.886	62.681	271.531	1.89%	8.80%
9.0	4309.389	70.235	341.766	2.12%	11.08%
10.0	4246.235	77.425	419.191	2.34%	13.59%
11.0	4173.436	84.130	503.321	2.54%	16.32%
12.0	4091.603	90.349	593.67	2.73%	19.25%
13.0	4004.132	96.076	689.746	2.90%	22.36%
14.0	3898.561	101.154	790.9	3.06%	25.64%
15.0	3798.120	105.663	896.563	3.19%	29.07%
16.0	3672.069	109.459	1006.022	3.31%	32.62%
17.0	3527.614	112.118	1118.141	3.39%	36.26%
18.0	3397.535	114.181	1232.321	3.45%	39.96%
19.0	3250.866	115.669	1347.99	3.49%	43.71%
20.0	3093.454	116.119	1464.109	3.51%	47.47%
21.0	2945.103	115.953	1580.061	3.50%	51.23%
22.0	2798.434	115.419	1695.48	3.49%	54.98%
23.0	2621.528	113.725	1809.206	3.43%	58.66%
24.0	2471.029	111.342	1920.547	3.36%	62.27%
25.0	2323.663	109.021	2029.568	3.29%	65.81%
26.0	2158.394	105.799	2135.367	3.20%	69.24%
27.0	1994.241	101.595	2236.962	3.07%	72.53%
28.0	1834.602	96.938	2333.901	2.93%	75.68%
29.0	1640.771	90.926	2424.826	2.75%	78.62%
30.0	1510.055	85.072	2509.898	2.57%	81.38%
31.0	1317.210	78.679	2588.577	2.38%	83.93%
32.0	1173.714	71.362	2659.939	2.16%	86.25%
33.0	985.856	63.622	2723.56	1.92%	88.31%
34.0	843.201	55.353	2778.913	1.67%	90.11%
35.0	705.218	48.088	2827.001	1.45%	91.66%
36.0	586.788	41.138	2868.139	1.24%	93.00%
37.0	461.289	34.182	2902.321	1.03%	94.11%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	350.579	27.099	2929.42	0.82%	94.99%
39.0	296.144	22.074	2951.495	0.67%	95.70%
40.0	230.342	18.362	2969.857	0.55%	96.30%
41.0	161.170	13.942	2983.798	0.42%	96.75%
42.0	146.373	11.174	2994.972	0.34%	97.11%
43.0	93.206	8.875	3003.847	0.27%	97.40%
44.0	74.856	6.343	3010.19	0.19%	97.60%
45.0	64.337	5.349	3015.539	0.16%	97.78%
46.0	55.053	4.669	3020.208	0.14%	97.93%
47.0	48.108	4.103	3024.311	0.12%	98.06%
48.0	42.392	3.658	3027.969	0.11%	98.18%
49.0	37.740	3.291	3031.26	0.10%	98.29%
50.0	33.870	2.986	3034.246	0.09%	98.38%
51.0	30.664	2.730	3036.976	0.08%	98.47%
52.0	28.114	2.522	3039.498	0.08%	98.55%
53.0	25.821	2.346	3041.844	0.07%	98.63%
54.0	24.080	2.199	3044.044	0.07%	98.70%
55.0	22.319	2.071	3046.115	0.06%	98.77%
56.0	20.992	1.957	3048.072	0.06%	98.83%
57.0	19.770	1.864	3049.936	0.06%	98.89%
58.0	18.541	1.772	3051.708	0.05%	98.95%
59.0	17.543	1.687	3053.395	0.05%	99.01%
60.0	16.767	1.621	3055.016	0.05%	99.06%
61.0	16.386	1.582	3056.598	0.05%	99.11%
62.0	16.051	1.563	3058.161	0.05%	99.16%
63.0	15.788	1.549	3059.709	0.05%	99.21%
64.0	15.545	1.538	3061.247	0.05%	99.26%
65.0	15.453	1.534	3062.781	0.05%	99.31%
66.0	15.315	1.535	3064.316	0.05%	99.36%
67.0	15.315	1.540	3065.856	0.05%	99.41%
68.0	15.256	1.549	3067.405	0.05%	99.46%
69.0	15.072	1.547	3068.952	0.05%	99.51%
70.0	14.409	1.514	3070.466	0.05%	99.56%
71.0	13.581	1.447	3071.913	0.04%	99.61%
72.0	12.372	1.349	3073.262	0.04%	99.65%
73.0	11.176	1.231	3074.494	0.04%	99.69%
74.0	9.777	1.102	3075.595	0.03%	99.72%
75.0	8.640	0.973	3076.568	0.03%	99.76%

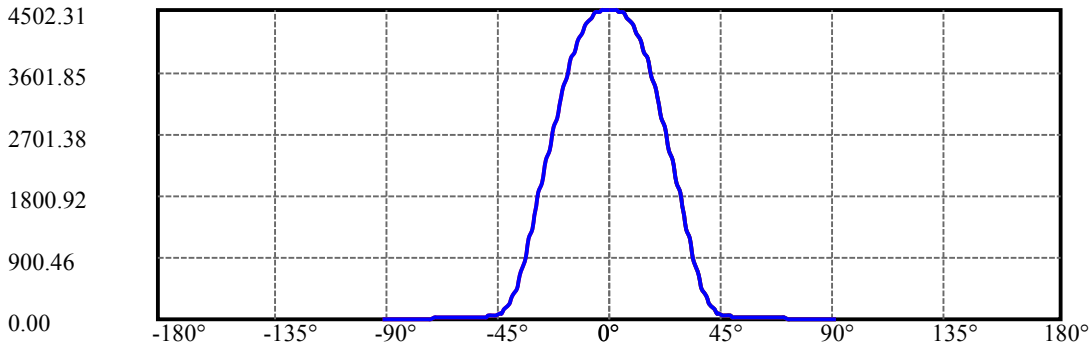
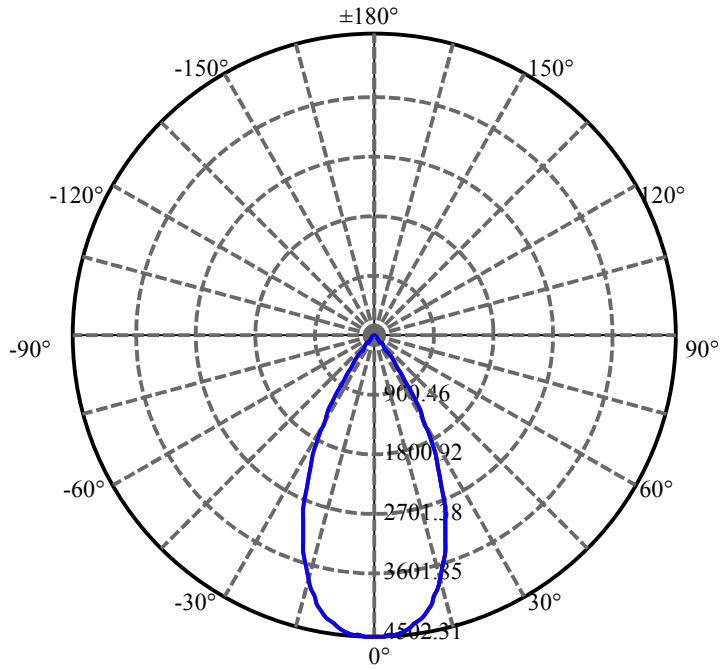
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.608	0.863	3077.431	0.03%	99.78%
77.0	6.932	0.775	3078.206	0.02%	99.81%
78.0	6.380	0.713	3078.919	0.02%	99.83%
79.0	5.913	0.661	3079.579	0.02%	99.85%
80.0	5.460	0.613	3080.192	0.02%	99.87%
81.0	5.039	0.568	3080.76	0.02%	99.89%
82.0	4.639	0.525	3081.285	0.02%	99.91%
83.0	4.225	0.482	3081.767	0.01%	99.93%
84.0	3.850	0.440	3082.207	0.01%	99.94%
85.0	3.469	0.399	3082.606	0.01%	99.95%
86.0	3.121	0.360	3082.966	0.01%	99.96%
87.0	2.766	0.322	3083.289	0.01%	99.97%
88.0	2.516	0.289	3083.578	0.01%	99.98%
89.0	2.286	0.263	3083.841	0.01%	99.99%
90.0	2.050	0.238	3084.079	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2509.90	75.80%	81.38%
0-40	2969.86	89.70%	96.30%
0-60	3055.02	92.27%	99.06%
0-90	3083.84	93.14%	99.99%
0-120	3083.84	93.14%	99.99%
0-180	3084.08	93.15%	100.00%
60-90	28.83	0.87%	0.93%
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%
0-29.50	2467.26	74.52%	80.00%

ZONAL LUMEN SUMMARY

0-10	419.19
10-20	1044.92
20-30	1045.79
30-40	459.96
40-50	64.39
50-60	20.77
60-70	15.45
70-80	9.73
80-90	3.65
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: —————

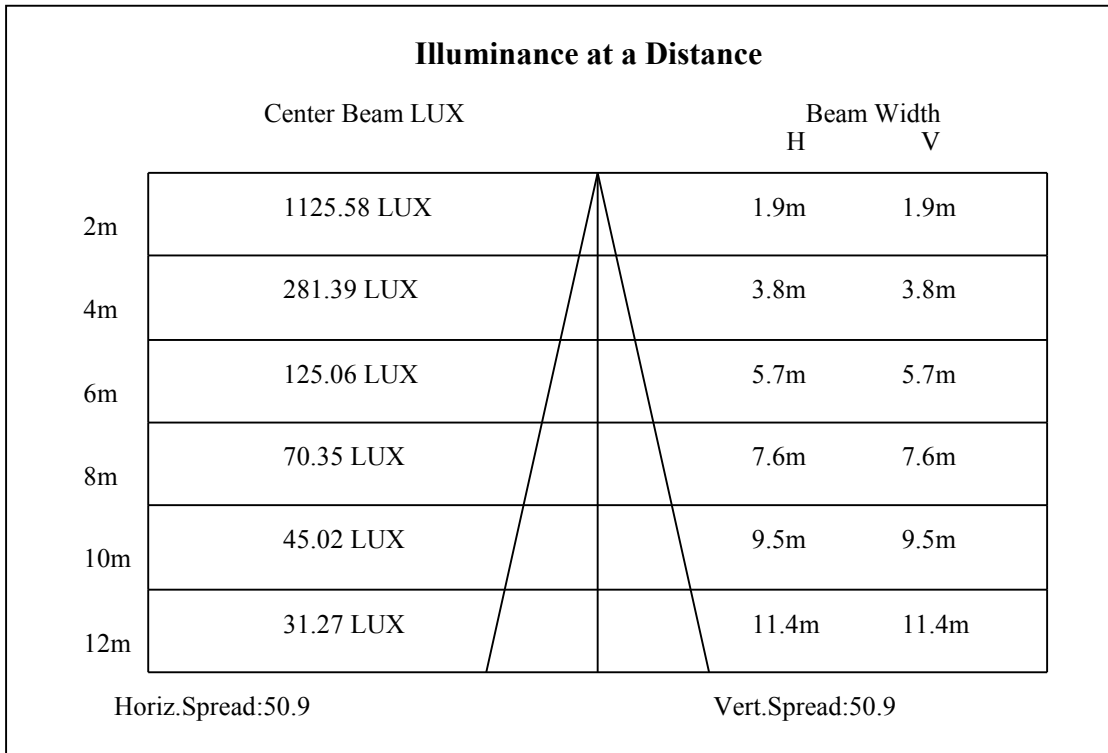
C90/C270: —————

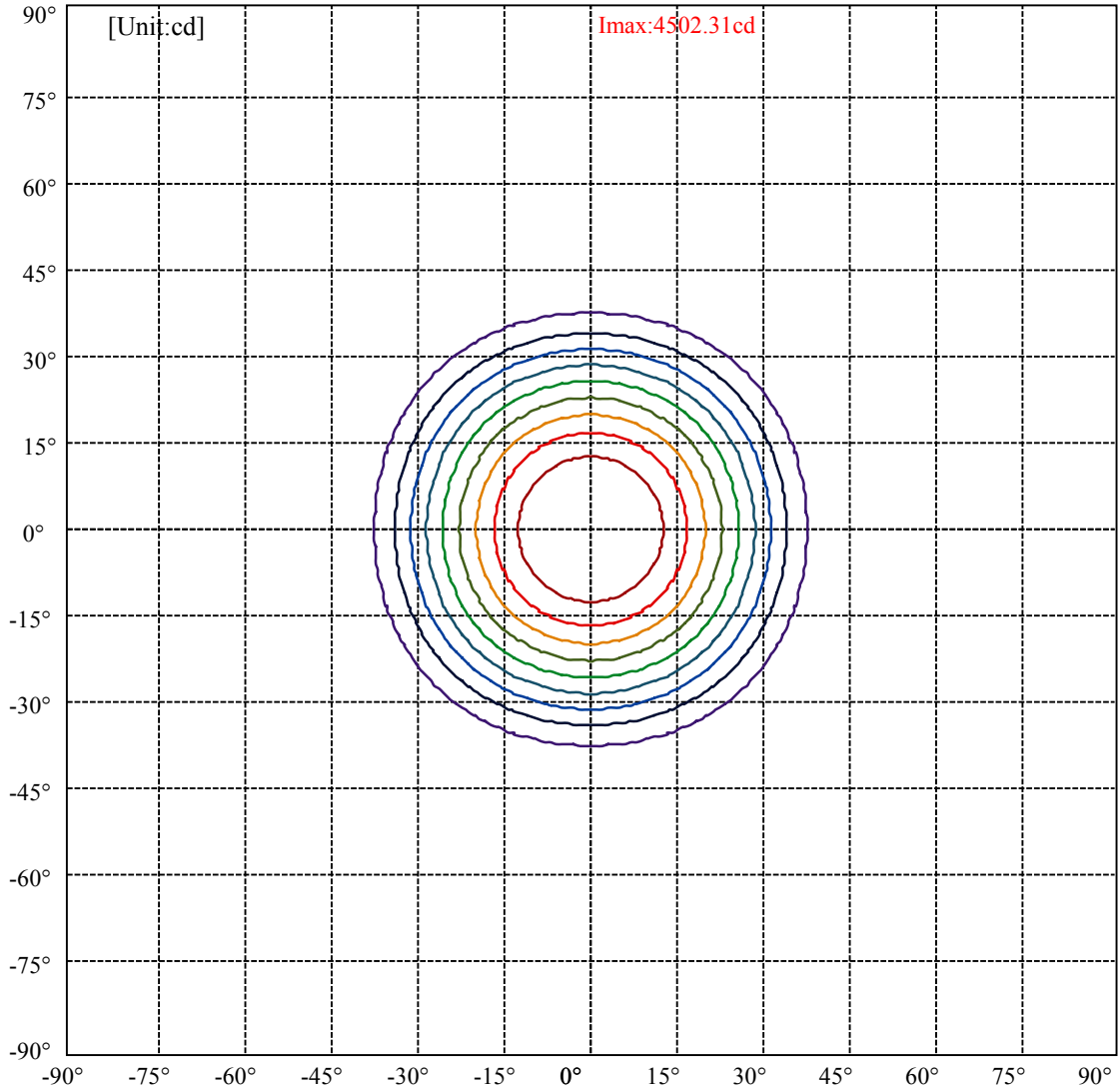
Field angle(10%Imax):C0/180Left:37.1 Right:37.1

:C90/270Left:37.1 Right:37.1

Beam Angle(50%Imax):C0/180Left:25.4 Right:25.4

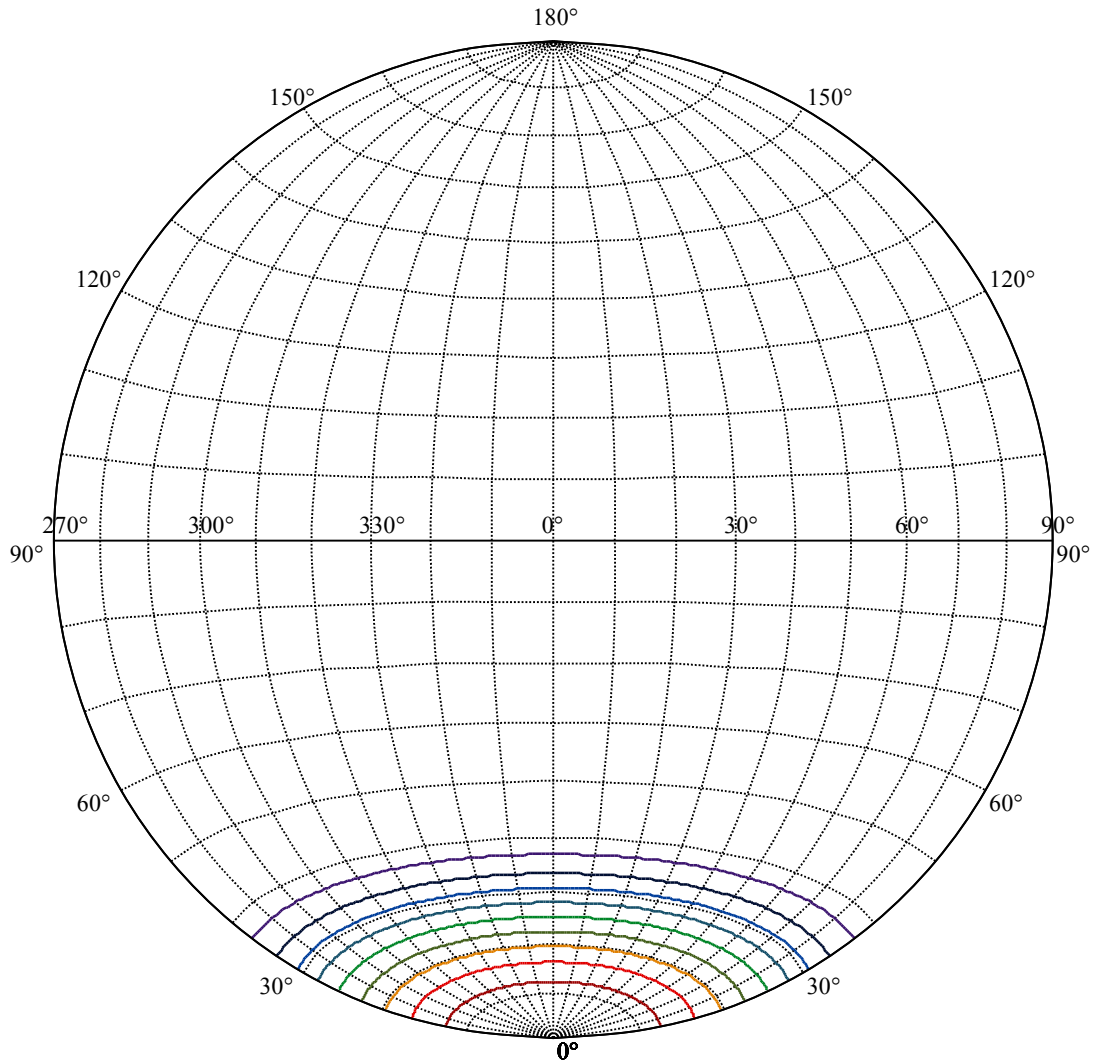
:C90/270Left:25.4 Right:25.4





(10%Imax) 450.231	—
(20%Imax) 900.461	—
(30%Imax) 1350.69	—
(40%Imax) 1800.92	—
(50%Imax) 2251.15	—
(60%Imax) 2701.38	—
(70%Imax) 3151.61	—
(80%Imax) 3601.85	—
(90%Imax) 4052.08	—





House

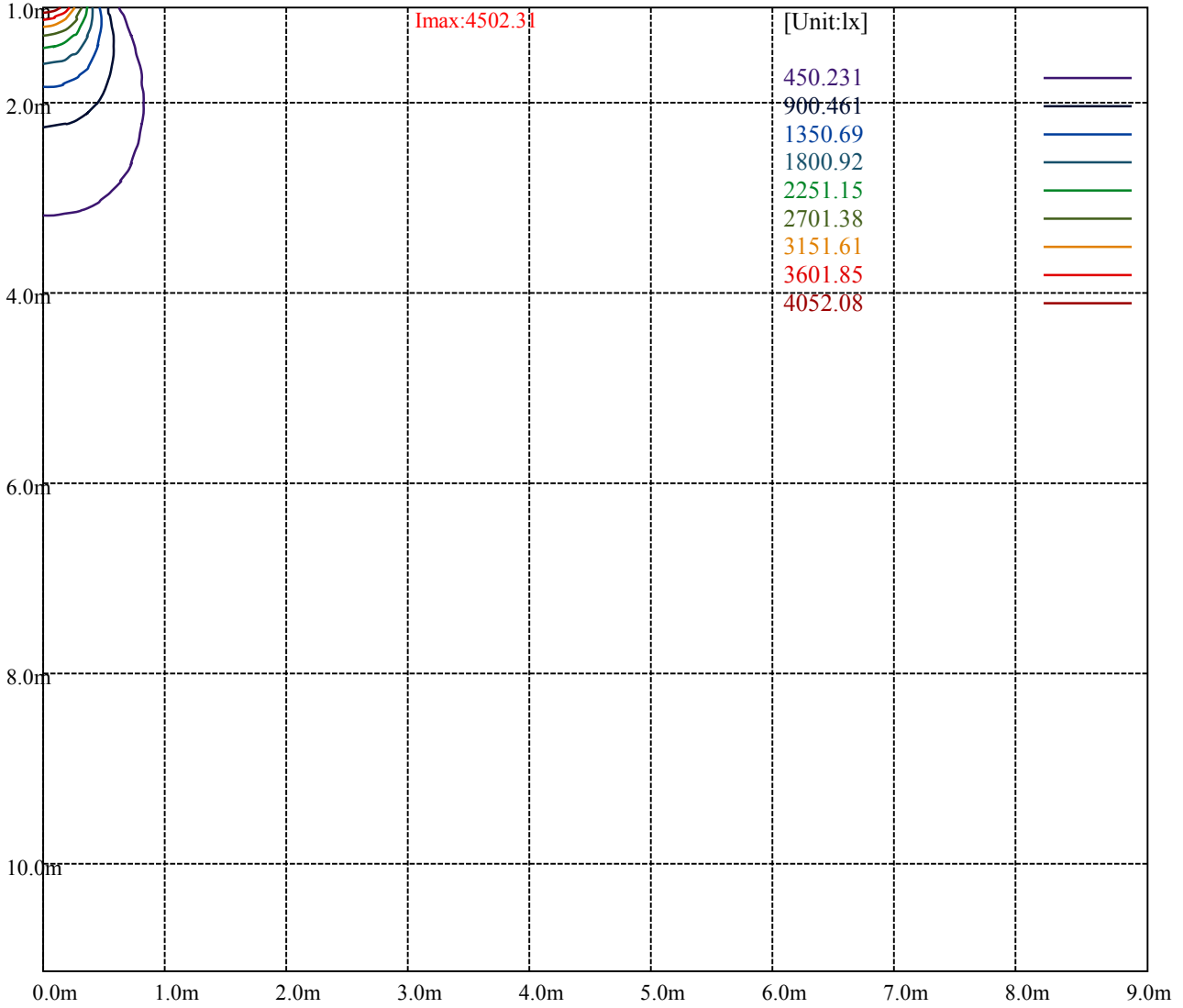
[Unit:cd]

Road

Imax:4502.31

(10%Imax)	450.231	—
(20%Imax)	900.461	—
(30%Imax)	1350.69	—
(40%Imax)	1800.92	—
(50%Imax)	2251.15	—
(60%Imax)	2701.38	—
(70%Imax)	3151.61	—
(80%Imax)	3601.85	—
(90%Imax)	4052.08	—





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

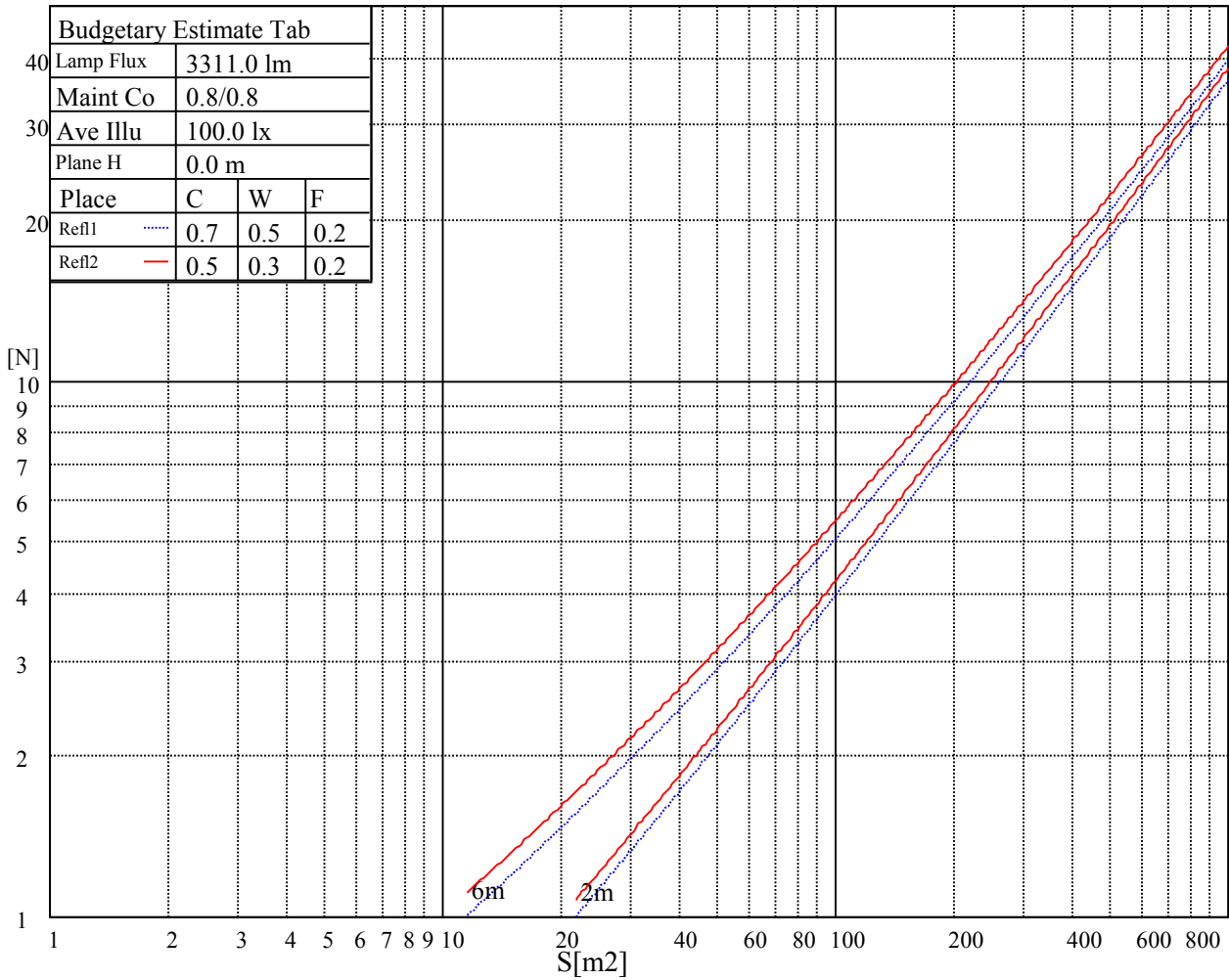
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

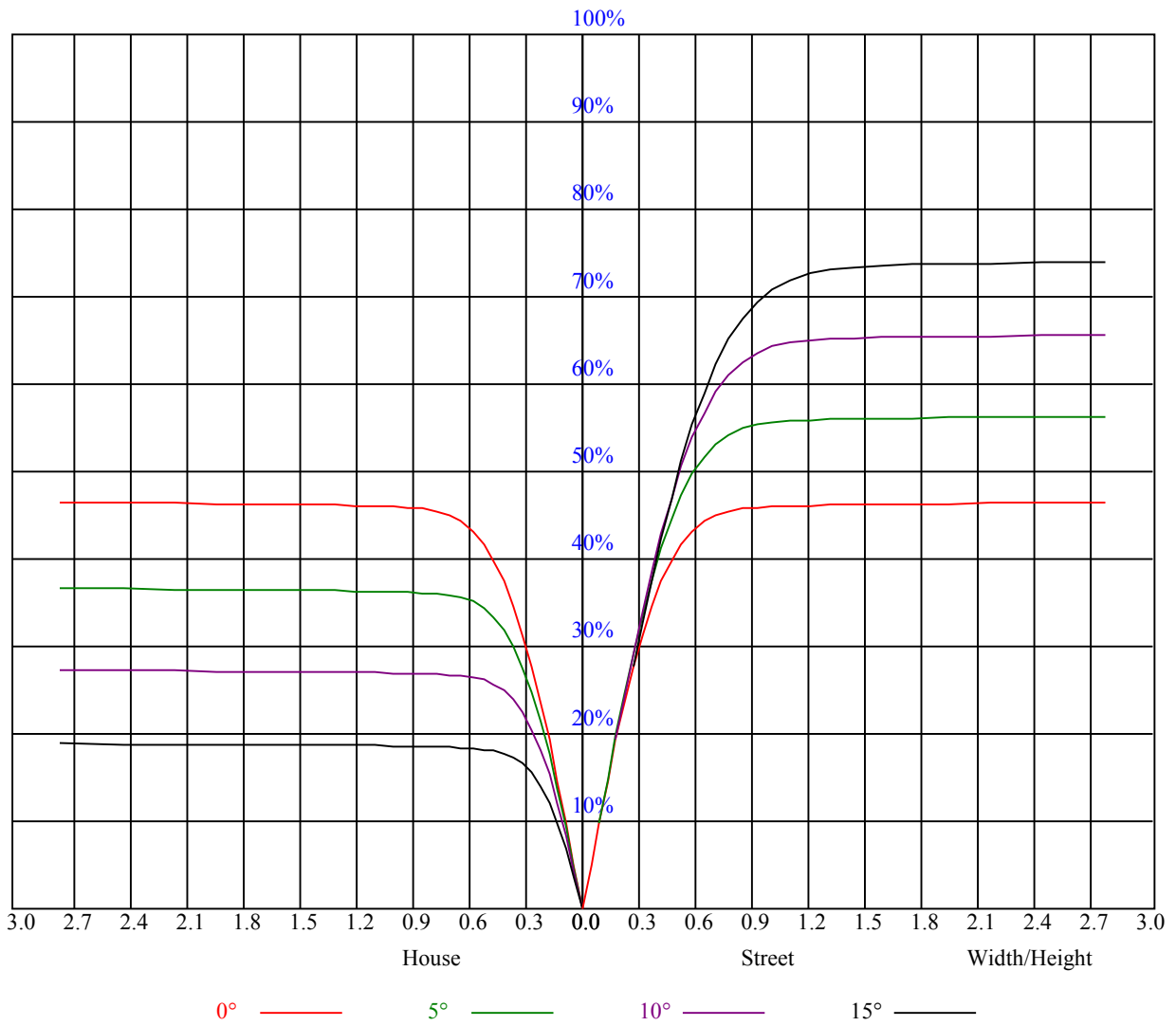


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	
8H	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	
12H	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					

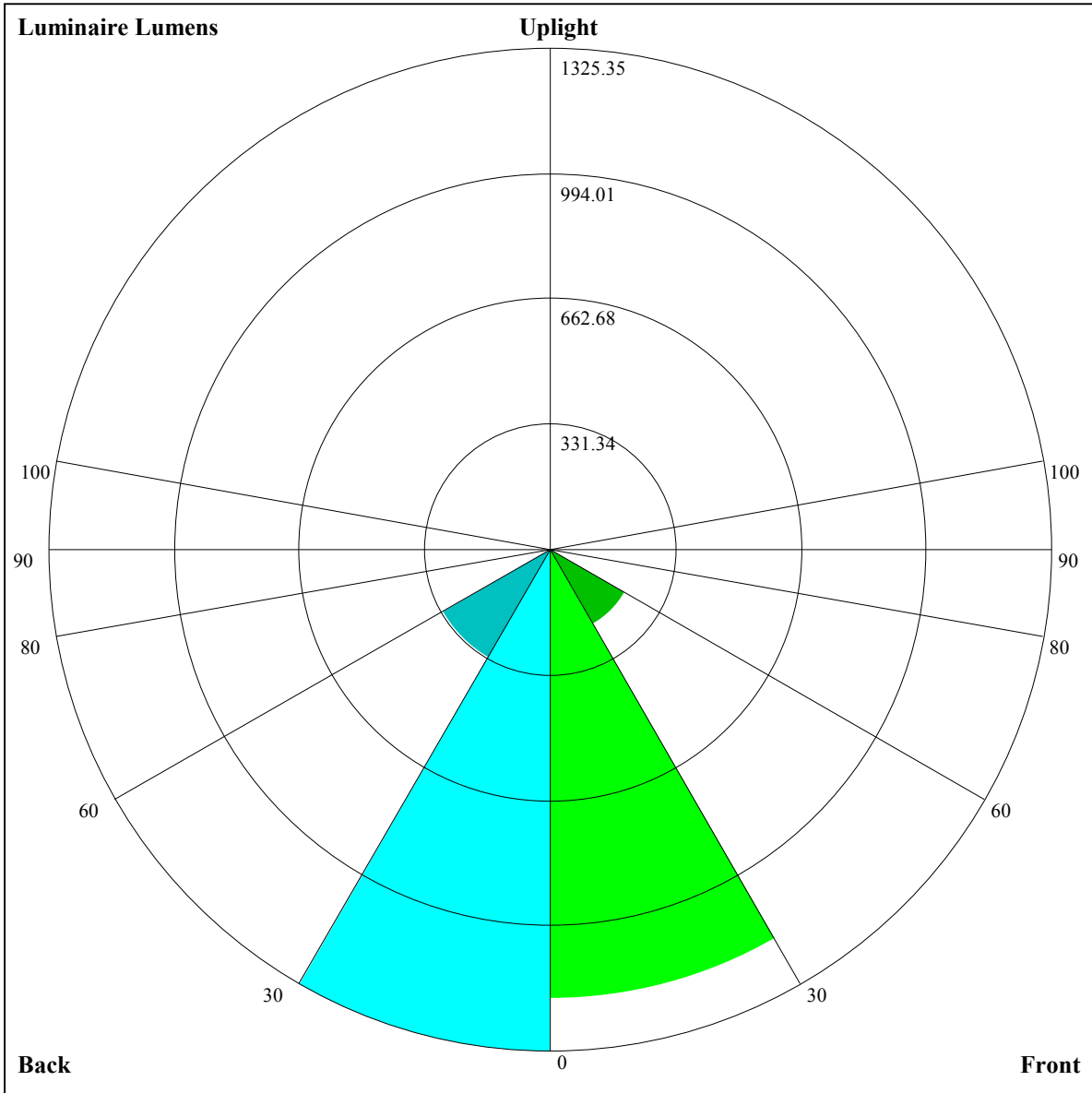
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.01	0.99	1.02	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.72	0.70	0.69
6	0.77	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.52







Luminaire Lumens:

FL=1187.33,FM=228.73,FH=13.4,FVH=1.94

BL=1325.35,BM=330.78,BH=11.35,BVH=1.92

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	4483.79	4468.18	4428.08	4387.39	4360.11	4269.81	4224.13	4151.18	4076.48
45.0	4522.21	4490.47	4441.43	4393.54	4355.07	4299.35	4212.99	4132.20	4053.09
90.0	4484.32	4440.32	4411.89	4374.57	4320.53	4276.54	4187.39	4135.56	4054.78
135.0	4518.90	4509.97	4503.29	4486.58	4477.64	4460.93	4443.11	4401.32	4348.97
180.0	4483.79	4508.86	4516.64	4528.89	4543.40	4557.33	4553.96	4555.12	4548.97
225.0	4522.21	4545.08	4584.61	4616.93	4631.97	4660.98	4663.19	4664.87	4643.69
270.0	4484.32	4518.33	4541.19	4580.72	4606.37	4642.00	4672.65	4673.23	4681.01
315.0	4518.90	4532.25	4548.39	4547.29	4552.86	4547.29	4528.36	4497.72	4448.10
360.0	4483.79	4468.18	4428.08	4387.39	4360.11	4269.81	4224.13	4151.18	4076.48
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4000.16	3909.91	3806.26	3682.00	3559.43	3431.86	3287.00	3138.77	2981.66
45.0	3976.20	3890.41	3775.62	3677.01	3614.62	3465.87	3387.86	3240.74	3029.02
90.0	3977.88	3894.88	3807.94	3718.22	3607.36	3493.72	3369.99	3239.64	3091.41
135.0	4299.93	4245.89	4197.38	4126.10	4042.53	3946.66	3844.16	3737.19	3604.00
180.0	4523.32	4465.97	4415.83	4370.68	4304.92	4240.32	4154.49	4068.71	3950.02
225.0	4627.55	4583.50	4520.53	4449.26	4367.89	4270.39	4181.82	4078.74	3959.48
270.0	4665.39	4630.34	4579.61	4517.75	4441.43	4354.54	4297.67	4153.38	4032.49
315.0	4404.68	4348.97	4284.32	4191.81	4094.88	3985.13	3861.98	3719.38	3572.83
360.0	4000.16	3909.91	3806.26	3682.00	3559.43	3431.86	3287.00	3138.77	2981.66
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2820.66	2660.77	2508.65	2366.00	2279.64	2086.89	1955.96	1871.23	1646.73
45.0	2940.45	2788.34	2631.23	2483.00	2344.29	2205.00	2063.45	1926.42	1779.29
90.0	2932.09	2780.56	2628.44	2489.68	2352.07	2212.78	2072.38	1922.53	1819.98
135.0	3463.08	3309.28	3175.56	2985.55	2864.66	2704.18	2542.61	2384.39	2237.85
180.0	3831.33	3736.09	3560.58	3438.53	3280.32	3098.66	2930.41	2756.59	2590.54
225.0	3828.02	3683.16	3517.64	3344.39	3157.74	2977.19	2792.23	2652.93	2440.69
270.0	3947.81	3805.74	3655.83	3485.37	3309.86	3119.27	2937.09	2755.48	2583.87
315.0	3416.83	3243.00	3069.70	2968.31	2798.90	2568.26	2474.12	2319.74	2168.20
360.0	2820.66	2660.77	2508.65	2366.00	2279.64	2086.89	1955.96	1871.23	1646.73
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1544.18	1297.35	1069.23	1000.74	831.07	672.85	526.78	394.17	281.89
45.0	1615.51	1442.21	1263.39	1085.63	911.80	751.91	602.58	469.44	354.64
90.0	1561.47	1450.57	1104.71	1104.71	942.45	783.39	626.65	479.69	351.22
135.0	2090.78	1939.24	1770.41	1593.80	1410.46	1227.18	1047.78	873.38	707.33
180.0	2425.60	2272.38	2127.52	1982.13	1835.59	1667.34	1496.30	1317.43	1138.56
225.0	2276.32	2137.56	1970.99	1813.88	1662.87	1500.19	1107.54	1074.27	1007.73
270.0	2417.24	2264.60	2113.07	1971.51	1834.48	1677.90	1508.54	1336.93	1161.42
315.0	2022.82	1872.91	1706.86	1528.04	1108.96	1108.96	970.67	800.32	638.95
360.0	1544.18	1297.35	1069.23	1000.74	831.07	672.85	526.78	394.17	281.89
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	195.64	141.18	112.12	92.83	83.05	67.17	61.87	54.03	45.20
45.0	278.90	278.90	153.85	124.68	102.55	85.36	73.06	63.02	54.98
90.0	252.41	188.59	148.28	117.21	97.56	76.74	65.02	57.66	48.78
135.0	555.22	418.71	298.40	298.40	277.21	126.62	99.92	79.95	65.65
180.0	963.05	797.06	642.16	555.80	415.93	297.24	297.24	146.81	115.74
225.0	841.42	686.57	543.23	417.29	314.43	225.55	183.39	136.56	101.34
270.0	1060.55	824.34	663.86	572.51	430.43	305.07	305.07	135.93	105.34
315.0	547.12	354.95	242.73	190.43	121.58	105.60	85.41	71.70	61.81
360.0	195.64	141.18	112.12	92.83	83.05	67.17	61.87	54.03	45.20

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	42.26	37.79	34.11	31.01	28.54	26.39	24.55	22.92	21.55
45.0	48.30	42.63	38.06	34.32	31.17	28.75	26.60	25.39	22.97
90.0	43.99	39.16	35.22	31.85	29.07	26.75	24.76	22.97	21.50
135.0	55.87	48.30	42.21	37.21	33.27	30.01	27.39	25.34	23.50
180.0	94.09	77.69	67.17	58.34	51.09	45.05	39.95	35.74	32.48
225.0	90.62	76.48	65.76	57.14	50.14	44.10	39.21	35.37	32.12
270.0	85.94	71.59	61.18	52.83	45.83	40.16	35.58	31.96	29.01
315.0	53.61	46.78	41.16	36.43	32.80	29.75	27.28	25.23	23.44
360.0	42.26	37.79	34.11	31.01	28.54	26.39	24.55	22.92	21.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.18	19.03	18.03	17.19	16.40	15.72	15.51	16.61	17.19
45.0	22.02	20.60	19.40	18.29	17.40	16.45	15.87	16.19	17.08
90.0	20.08	18.87	17.87	16.82	15.87	15.14	14.72	15.14	15.30
135.0	21.87	20.55	19.40	18.29	17.56	16.61	15.66	14.98	14.30
180.0	29.70	27.28	25.28	23.76	22.23	20.50	19.45	18.19	17.14
225.0	29.44	27.12	25.23	23.44	21.87	20.50	19.08	17.98	16.93
270.0	27.49	24.55	23.50	21.81	19.87	19.13	18.03	16.98	16.08
315.0	21.87	20.55	19.24	18.55	17.14	16.29	15.82	15.03	14.40
360.0	20.18	19.03	18.03	17.19	16.40	15.72	15.51	16.61	17.19
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.87	18.50	19.82	20.39	21.45	22.39	23.18	22.71	20.87
45.0	18.08	18.66	19.55	20.39	21.50	22.18	22.76	22.71	22.23
90.0	15.45	15.61	15.87	16.03	16.29	16.66	15.98	13.51	11.72
135.0	13.61	13.14	12.93	12.51	12.19	11.83	11.56	10.88	10.14
180.0	16.19	15.30	14.45	13.67	13.04	12.30	11.67	11.09	10.46
225.0	15.93	15.19	14.19	13.56	12.93	12.19	11.46	10.78	10.20
270.0	15.24	14.45	13.67	13.09	12.56	11.98	11.30	10.72	10.14
315.0	13.93	13.51	13.14	12.88	12.56	12.51	12.67	12.88	12.88
360.0	17.87	18.50	19.82	20.39	21.45	22.39	23.18	22.71	20.87
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.40	15.51	12.14	9.62	7.88	6.78	6.10	5.68	5.26
45.0	19.87	17.71	13.93	10.99	8.36	6.89	6.10	5.62	5.15
90.0	10.41	9.15	8.04	7.25	6.41	5.78	5.26	4.94	4.52
135.0	9.41	8.83	8.25	7.62	7.10	6.83	6.20	5.94	5.52
180.0	9.83	9.25	8.73	8.30	7.78	7.36	7.04	6.62	5.89
225.0	9.41	8.78	8.41	7.88	7.41	6.89	6.52	5.99	5.57
270.0	9.51	8.88	8.41	8.04	7.46	7.31	6.83	6.25	5.99
315.0	12.14	11.30	10.30	9.41	8.46	7.62	6.99	6.25	5.78
360.0	18.40	15.51	12.14	9.62	7.88	6.78	6.10	5.68	5.26
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.89	4.57	4.10	3.73	3.42	3.10	2.73	2.73	2.68
45.0	4.68	4.26	3.94	3.68	3.31	3.00	2.68	2.47	2.37
90.0	4.05	3.78	3.36	3.10	2.84	2.52	2.21	2.10	2.05
135.0	4.89	4.57	4.21	3.78	3.36	3.05	2.68	2.31	2.05
180.0	5.68	5.10	4.63	4.26	3.78	3.36	3.00	2.68	2.26
225.0	5.10	4.73	4.31	3.94	3.42	3.15	2.68	2.31	2.05
270.0	5.62	5.05	4.73	4.21	3.78	3.36	3.00	2.73	2.42
315.0	5.41	5.05	4.52	4.10	3.84	3.42	3.15	2.79	2.42
360.0	4.89	4.57	4.10	3.73	3.42	3.10	2.73	2.73	2.68

Intensity data(cd)

C/γ(°)	90.0
0.0	2.68
45.0	2.37
90.0	2.05
135.0	1.37
180.0	2.00
225.0	1.84
270.0	2.05
315.0	2.05
360.0	2.68