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Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.411.00

Report No: 2024829-B017

Ballast type: AC

Test No: 2024829-C017

Voltage(V): 35.020

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.598

Lamp flux(lm): 3408.0

Power (W): 20.940

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3186.14, Efficiency(%): 93.49% , Luminous Efficacy(lm/W): 152.16

Central intensity(cd): 4712.228, Maximum intensity(cd): 4712.228

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=50.6

[C90/270]Total=50.6

Field angle(10%Imax): [C0/180]Total=73.8

[C90/270]Total=73.8

Maximum s/h(1/2): C0_180=0.79 C90_270=0.79

Maximum s/h(1/4): C0_180=0.79 C90_270=0.79

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.49%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.302%

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	4712.228	0.000	0	0.00%	0.00%
1.0	4711.098	4.509	4.509	0.13%	0.14%
2.0	4705.316	13.515	18.024	0.40%	0.57%
3.0	4696.486	22.486	40.51	0.66%	1.27%
4.0	4684.909	31.403	71.913	0.92%	2.26%
5.0	4662.629	40.213	112.125	1.18%	3.52%
6.0	4637.563	48.875	161	1.43%	5.05%
7.0	4594.574	57.304	218.304	1.68%	6.85%
8.0	4539.771	65.373	283.677	1.92%	8.90%
9.0	4483.568	73.129	356.806	2.15%	11.20%
10.0	4409.264	80.477	437.283	2.36%	13.72%
11.0	4333.220	87.355	524.638	2.56%	16.47%
12.0	4250.887	93.837	618.475	2.75%	19.41%
13.0	4152.694	99.729	718.204	2.93%	22.54%
14.0	4049.402	104.986	823.19	3.08%	25.84%
15.0	3926.484	109.497	932.687	3.21%	29.27%
16.0	3805.643	113.297	1045.984	3.32%	32.83%
17.0	3660.643	116.270	1162.254	3.41%	36.48%
18.0	3517.377	118.350	1280.604	3.47%	40.19%
19.0	3357.265	119.605	1400.209	3.51%	43.95%
20.0	3198.205	119.983	1520.192	3.52%	47.71%
21.0	3024.919	119.497	1639.689	3.51%	51.46%
22.0	2857.212	118.204	1757.893	3.47%	55.17%
23.0	2700.931	116.625	1874.518	3.42%	58.83%
24.0	2532.185	114.415	1988.932	3.36%	62.42%
25.0	2395.457	112.044	2100.976	3.29%	65.94%
26.0	2239.458	109.408	2210.384	3.21%	69.38%
27.0	2092.999	105.995	2316.378	3.11%	72.70%
28.0	1943.058	102.184	2418.563	3.00%	75.91%
29.0	1779.175	97.384	2515.947	2.86%	78.97%
30.0	1592.755	91.041	2606.988	2.67%	81.82%
31.0	1414.799	83.696	2690.684	2.46%	84.45%
32.0	1241.645	76.104	2766.788	2.23%	86.84%
33.0	1056.769	67.712	2834.5	1.99%	88.96%
34.0	906.677	59.420	2893.92	1.74%	90.83%
35.0	749.909	51.447	2945.367	1.51%	92.44%
36.0	599.988	42.981	2988.348	1.26%	93.79%
37.0	454.324	34.386	3022.734	1.01%	94.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	355.368	27.026	3049.761	0.79%	95.72%
39.0	284.035	21.825	3071.585	0.64%	96.40%
40.0	187.937	16.461	3088.046	0.48%	96.92%
41.0	146.091	11.895	3099.94	0.35%	97.29%
42.0	115.900	9.519	3109.459	0.28%	97.59%
43.0	84.658	7.429	3116.888	0.22%	97.83%
44.0	69.540	5.820	3122.708	0.17%	98.01%
45.0	59.665	4.966	3127.674	0.15%	98.17%
46.0	51.505	4.348	3132.021	0.13%	98.30%
47.0	44.593	3.822	3135.843	0.11%	98.42%
48.0	39.251	3.389	3139.233	0.10%	98.53%
49.0	34.764	3.039	3142.272	0.09%	98.62%
50.0	31.308	2.755	3145.027	0.08%	98.71%
51.0	28.082	2.513	3147.54	0.07%	98.79%
52.0	25.808	2.312	3149.852	0.07%	98.86%
53.0	23.660	2.152	3152.004	0.06%	98.93%
54.0	21.932	2.009	3154.013	0.06%	98.99%
55.0	20.322	1.886	3155.899	0.06%	99.05%
56.0	18.909	1.773	3157.672	0.05%	99.11%
57.0	17.852	1.681	3159.353	0.05%	99.16%
58.0	16.623	1.594	3160.947	0.05%	99.21%
59.0	15.749	1.513	3162.461	0.04%	99.26%
60.0	14.836	1.445	3163.906	0.04%	99.30%
61.0	14.100	1.381	3165.286	0.04%	99.35%
62.0	13.298	1.320	3166.607	0.04%	99.39%
63.0	12.622	1.261	3167.867	0.04%	99.43%
64.0	12.116	1.214	3169.081	0.04%	99.46%
65.0	11.603	1.174	3170.255	0.03%	99.50%
66.0	11.163	1.136	3171.391	0.03%	99.54%
67.0	10.788	1.104	3172.495	0.03%	99.57%
68.0	10.342	1.070	3173.565	0.03%	99.61%
69.0	9.895	1.032	3174.597	0.03%	99.64%
70.0	9.382	0.990	3175.587	0.03%	99.67%
71.0	9.113	0.956	3176.543	0.03%	99.70%
72.0	8.811	0.932	3177.475	0.03%	99.73%
73.0	8.430	0.902	3178.377	0.03%	99.76%
74.0	8.114	0.870	3179.247	0.03%	99.78%
75.0	7.484	0.824	3180.071	0.02%	99.81%

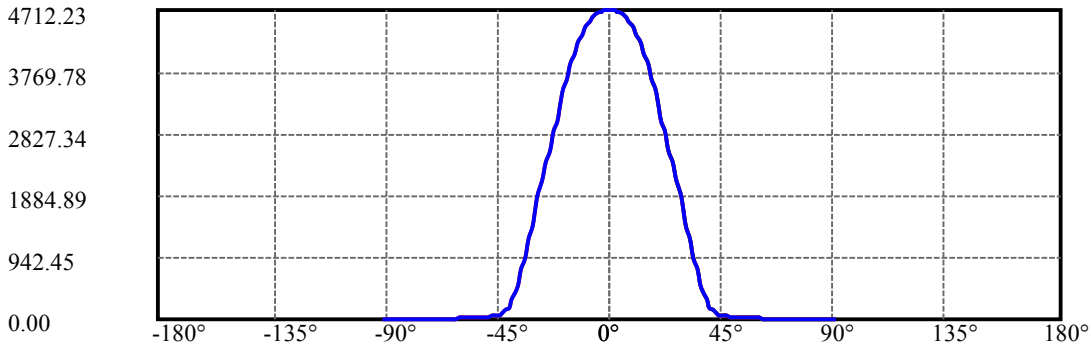
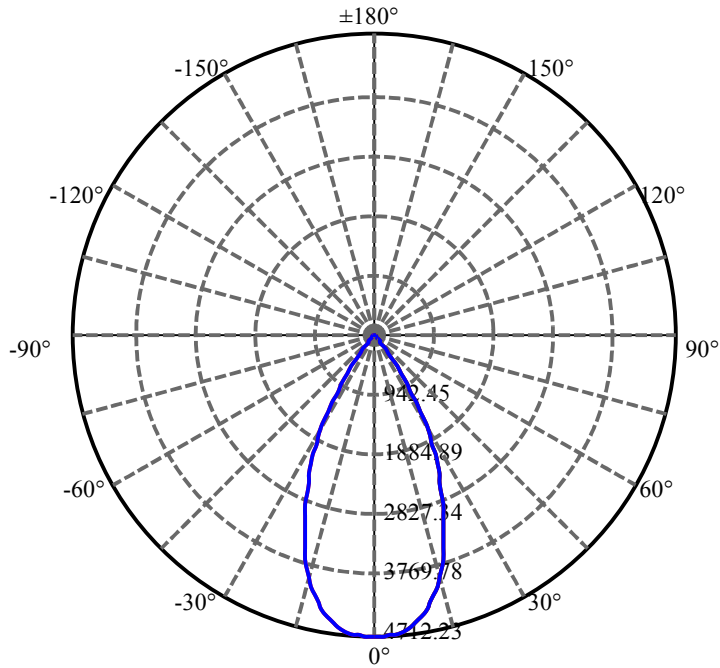
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.728	0.754	3180.825	0.02%	99.83%
77.0	6.058	0.682	3181.507	0.02%	99.85%
78.0	5.519	0.620	3182.127	0.02%	99.87%
79.0	4.954	0.563	3182.689	0.02%	99.89%
80.0	4.507	0.510	3183.199	0.01%	99.91%
81.0	4.054	0.463	3183.662	0.01%	99.92%
82.0	3.640	0.417	3184.08	0.01%	99.94%
83.0	3.265	0.375	3184.455	0.01%	99.95%
84.0	2.898	0.336	3184.791	0.01%	99.96%
85.0	2.589	0.299	3185.09	0.01%	99.97%
86.0	2.313	0.268	3185.358	0.01%	99.98%
87.0	2.004	0.236	3185.594	0.01%	99.98%
88.0	1.754	0.206	3185.8	0.01%	99.99%
89.0	1.498	0.178	3185.978	0.01%	99.99%
90.0	1.419	0.160	3186.138	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2606.99	76.50%	81.82%
0-40	3088.05	90.61%	96.92%
0-60	3163.91	92.84%	99.30%
0-90	3185.98	93.49%	99.99%
0-120	3185.98	93.49%	99.99%
0-180	3186.14	93.49%	100.00%
60-90	22.07	0.65%	0.69%
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%
0-29.36	2548.91	74.79%	80.00%

ZONAL LUMEN SUMMARY

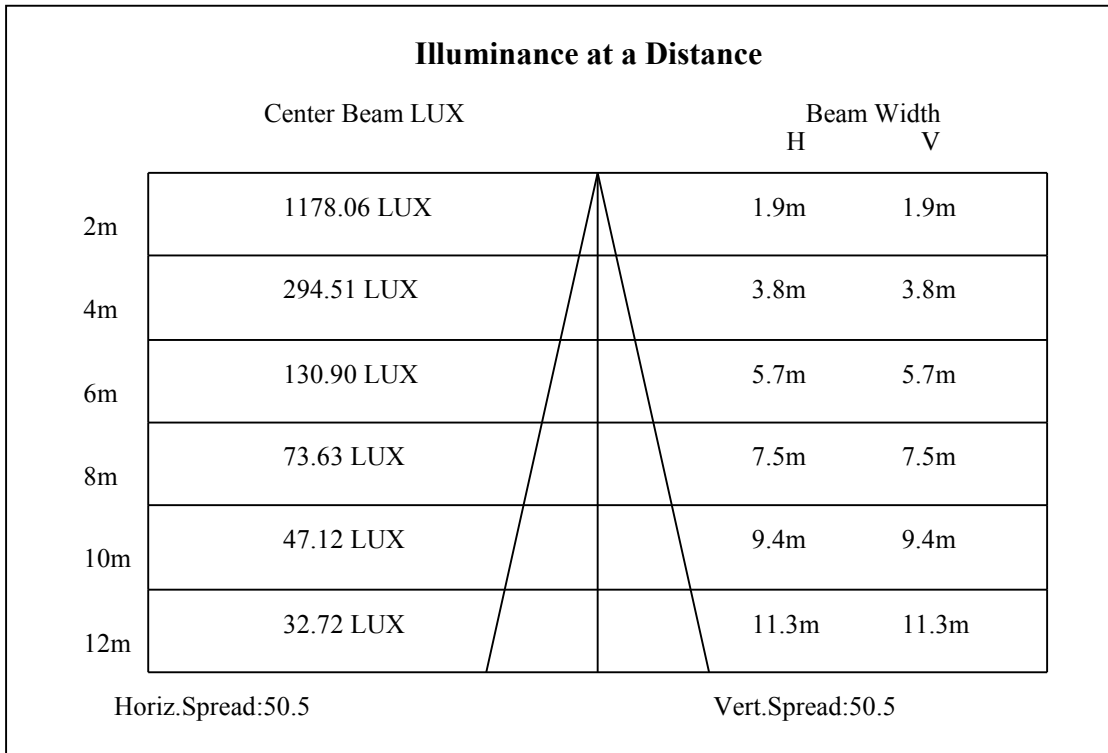
0-10	437.28
10-20	1082.91
20-30	1086.80
30-40	481.06
40-50	56.98
50-60	18.88
60-70	11.68
70-80	7.61
80-90	2.78
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

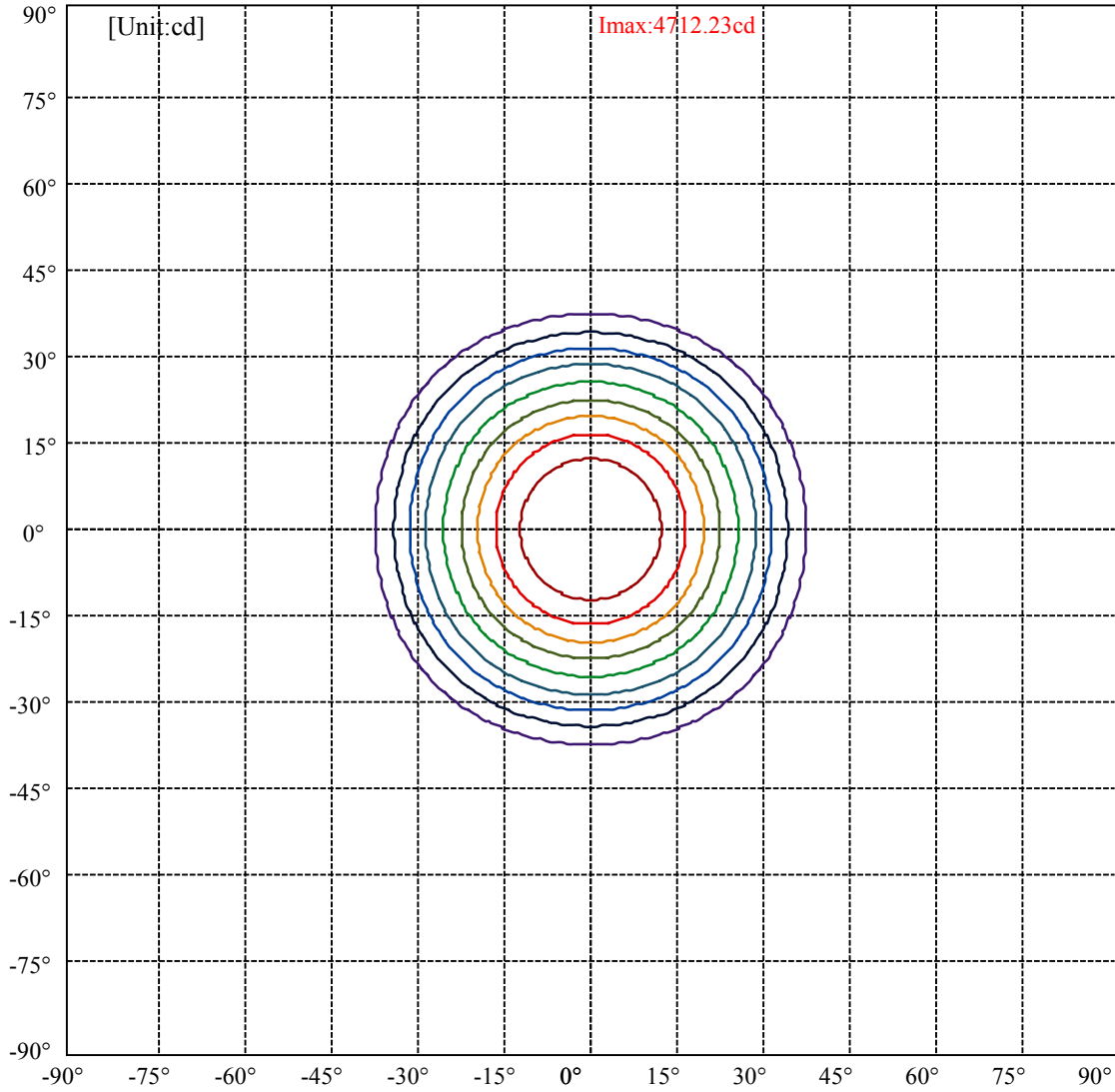


C0(Max): ———
C0/C180: ———
C90/C270: ———

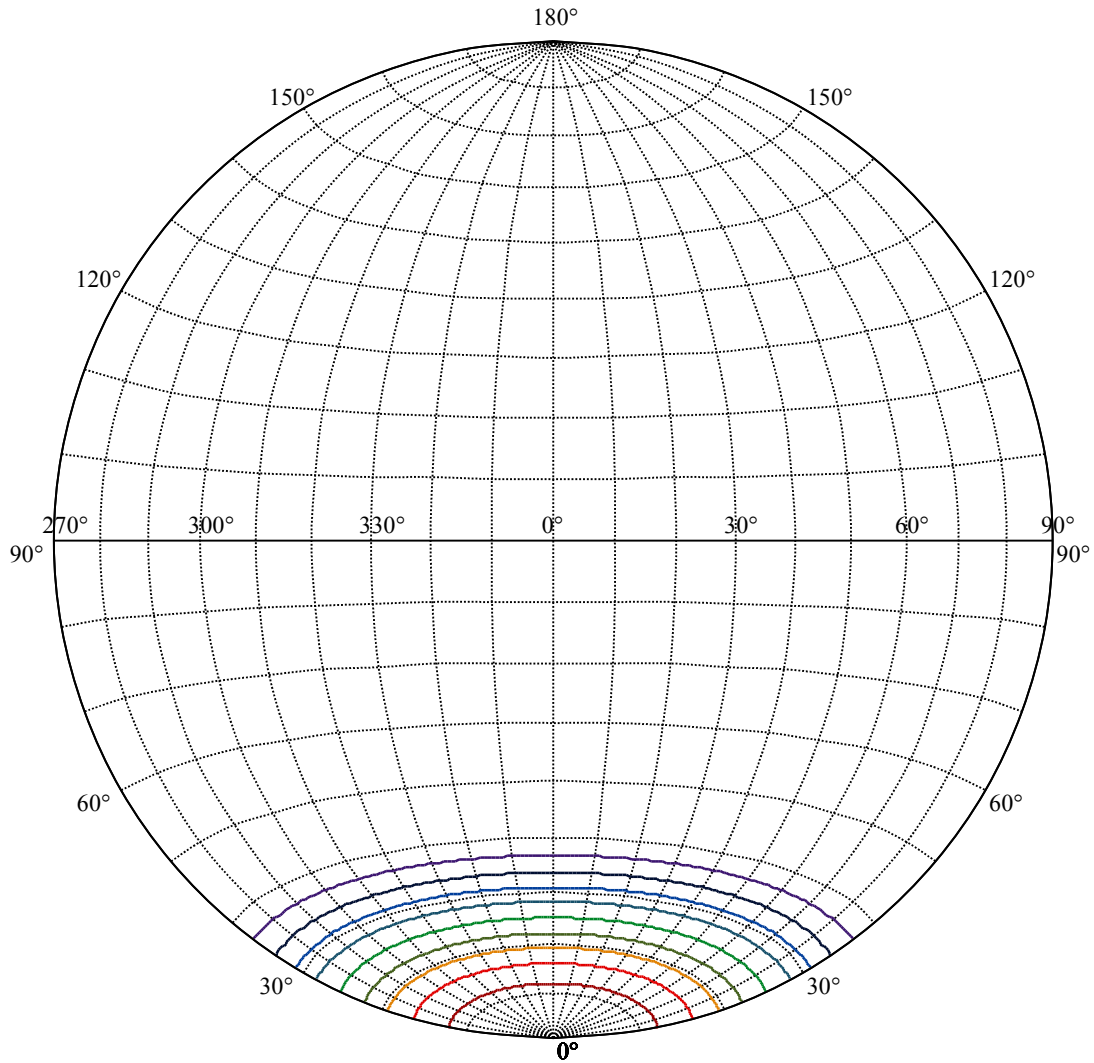
Field angle(10%Imax):C0/180Left:36.9 Right:36.9
:C90/270Left:36.9 Right:36.9

Beam Angle(50%Imax):C0/180Left:25.3 Right:25.3
:C90/270Left:25.3 Right:25.3





(10%Imax) 471.223	—
(20%Imax) 942.446	—
(30%Imax) 1413.67	—
(40%Imax) 1884.89	—
(50%Imax) 2356.11	—
(60%Imax) 2827.34	—
(70%Imax) 3298.56	—
(80%Imax) 3769.78	—
(90%Imax) 4241.01	—



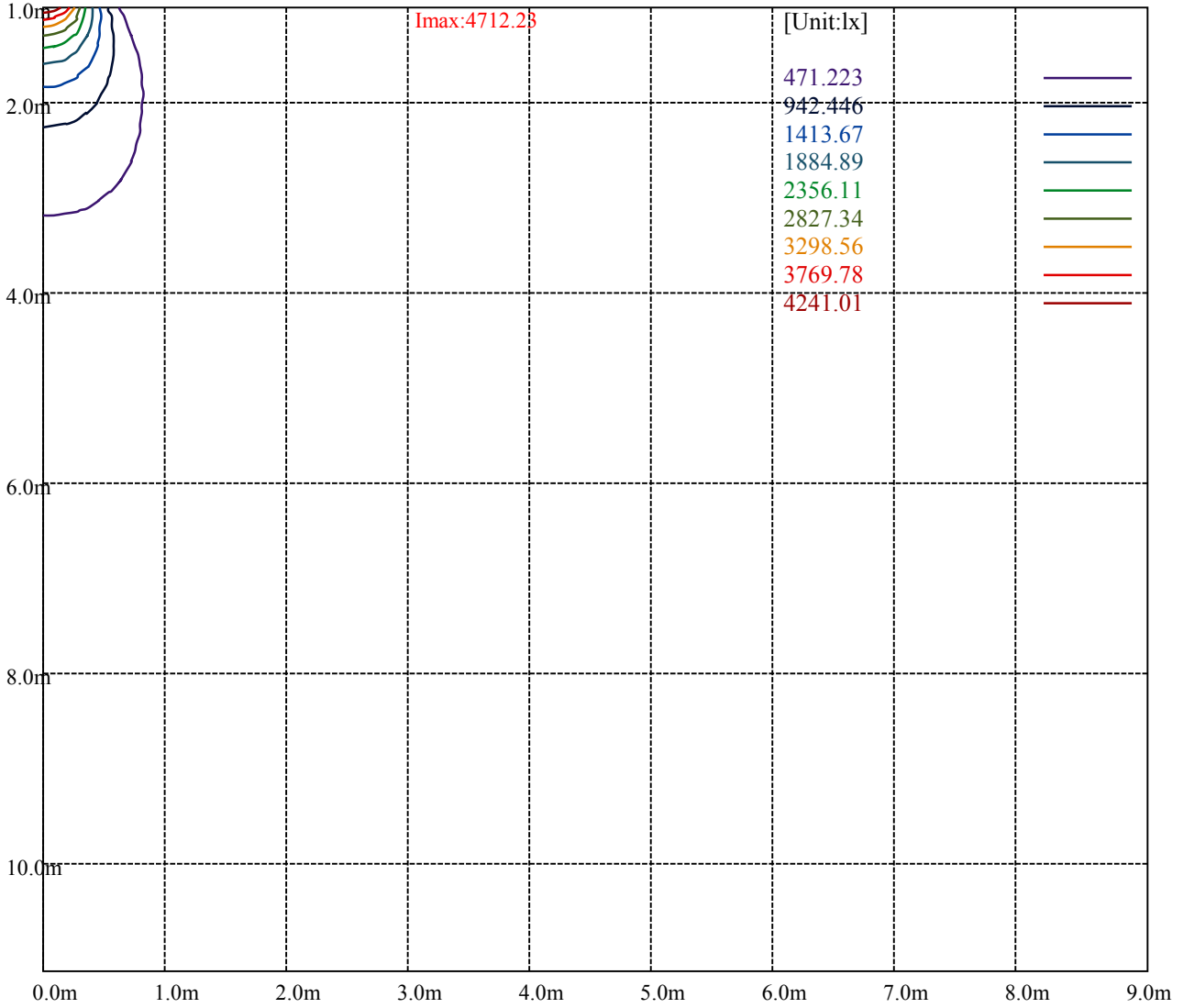
House

[Unit:cd]

Road

I_{max}:4712.23

(10%I _{max}) 471.223	—
(20%I _{max}) 942.446	—
(30%I _{max}) 1413.67	—
(40%I _{max}) 1884.89	—
(50%I _{max}) 2356.11	—
(60%I _{max}) 2827.34	—
(70%I _{max}) 3298.56	—
(80%I _{max}) 3769.78	—
(90%I _{max}) 4241.01	—



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

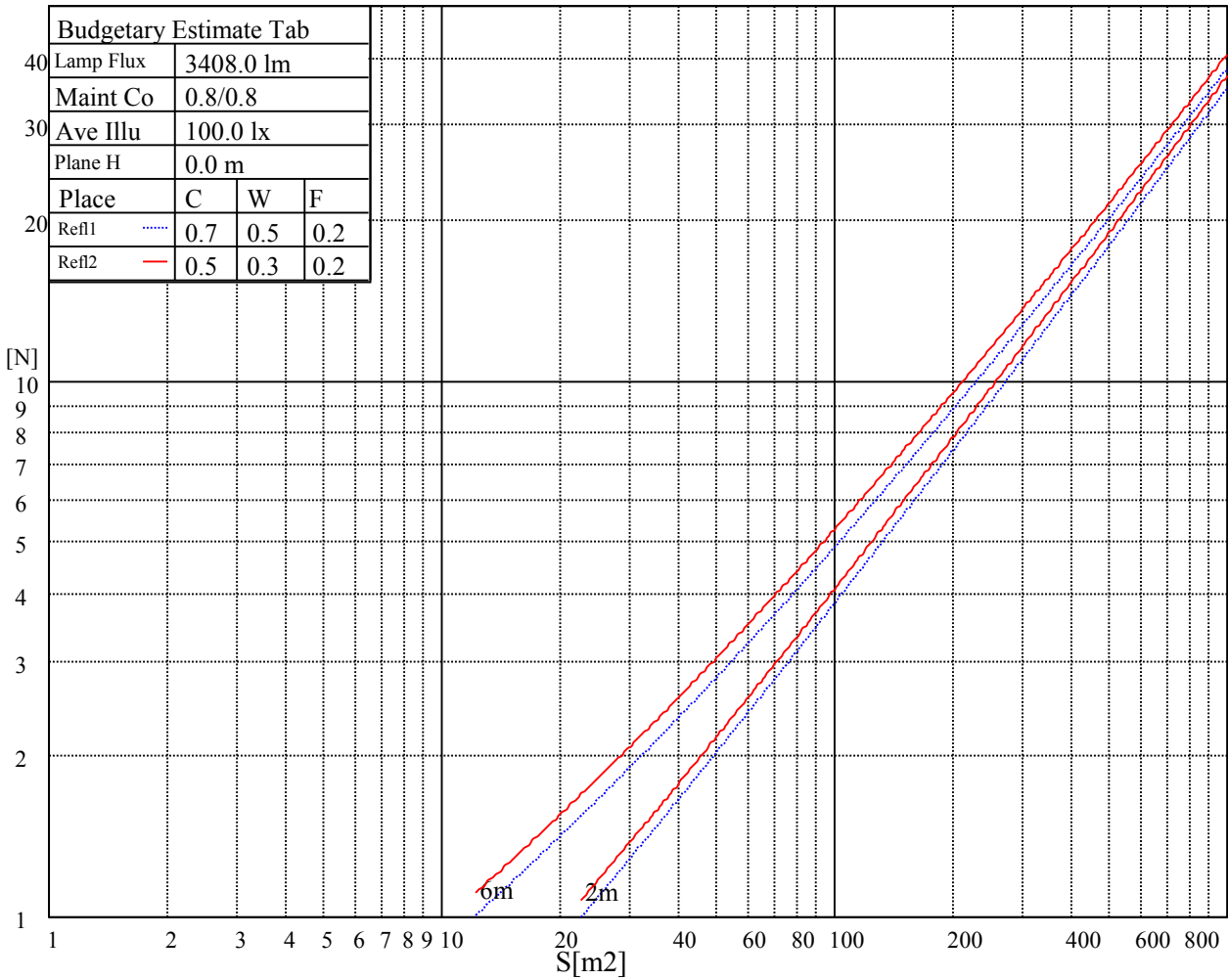
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

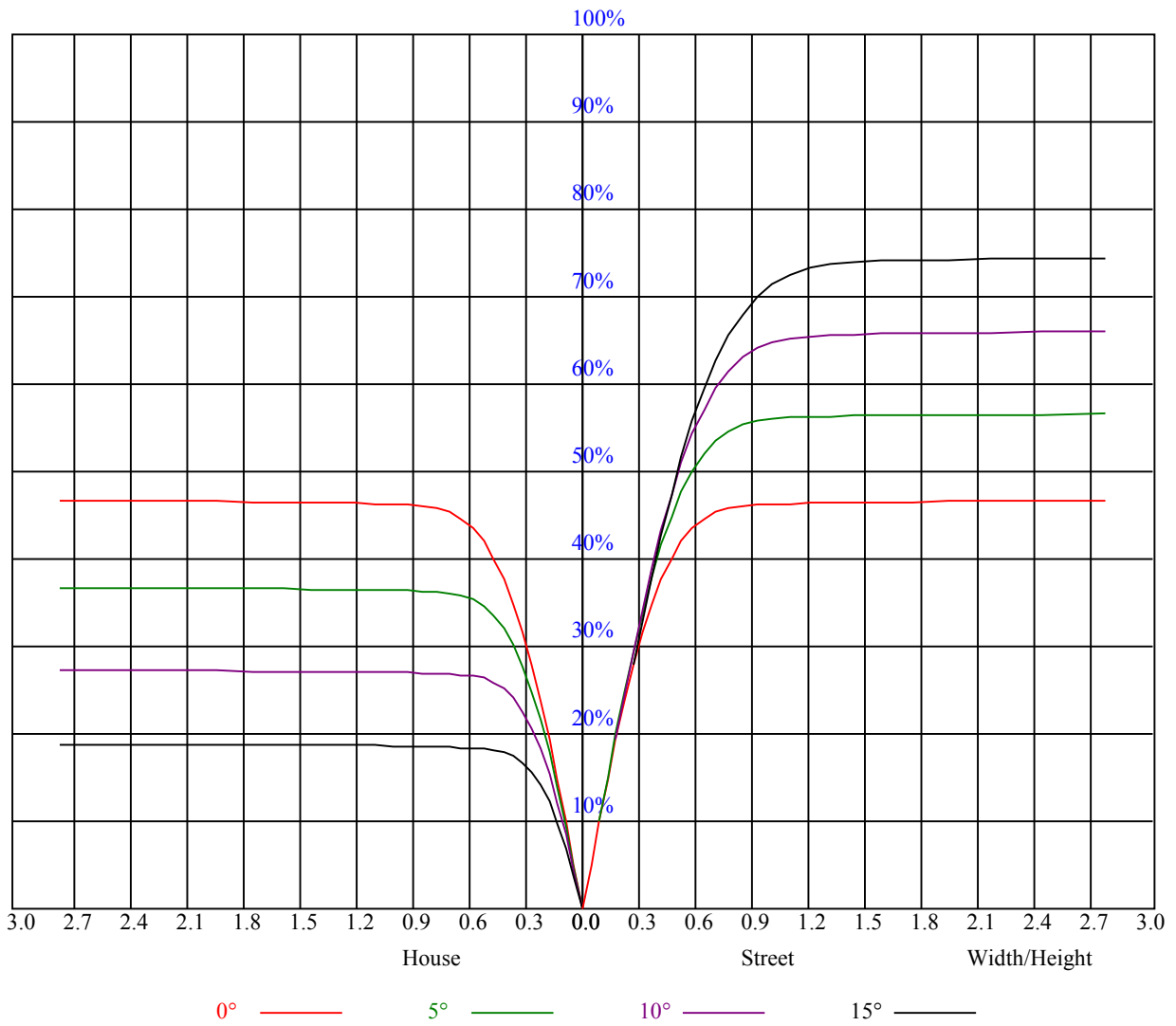


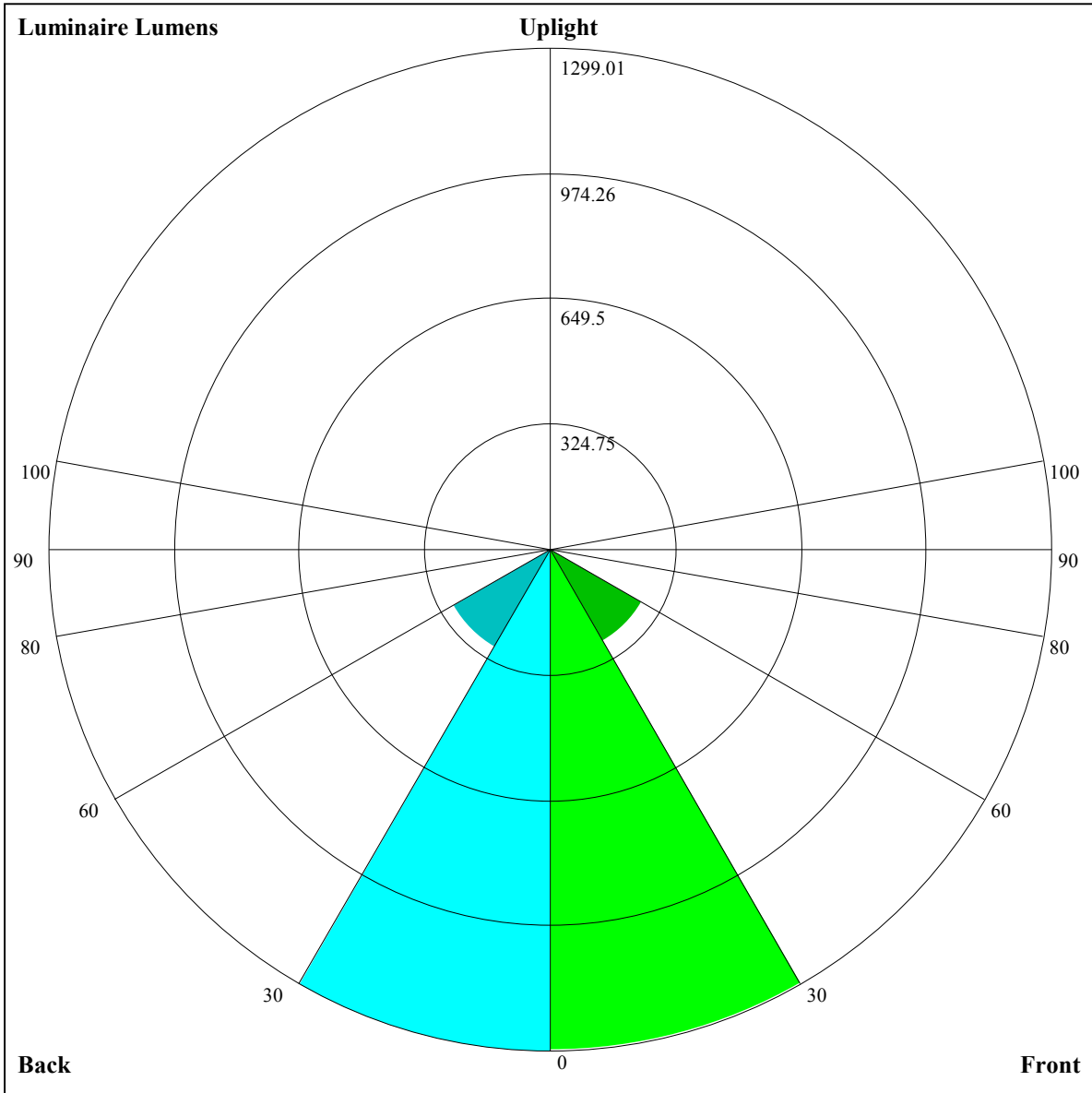
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.88	0.86	0.84	0.83
3	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.73
5	0.81	0.76	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.68	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.65
7	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.59
9	0.66	0.61	0.57	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56
10	0.63	0.58	0.55	0.62	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53





Luminaire Lumens:

FL=1298.56,FM=274.76,FH=9.03,FVH=1.35

BL=1299.01,BM=289.61,BH=10.18,BVH=1.59

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	4711.12	4717.80	4722.79	4718.90	4703.29	4681.58	4652.62	4581.82	4538.93
45.0	4700.51	4726.68	4740.09	4750.13	4743.40	4717.22	4697.20	4662.61	4602.48
90.0	4730.63	4743.98	4749.55	4730.05	4722.79	4693.25	4638.69	4576.25	4507.18
135.0	4706.66	4718.90	4720.01	4737.30	4728.94	4715.54	4691.62	4657.04	4605.79
180.0	4711.12	4712.75	4700.51	4686.05	4682.11	4665.97	4648.68	4629.18	4590.76
225.0	4700.51	4669.86	4650.36	4623.61	4609.68	4574.62	4553.96	4492.67	4406.89
270.0	4730.63	4710.55	4677.12	4648.15	4624.19	4607.47	4584.61	4557.33	4517.75
315.0	4706.66	4688.26	4682.11	4677.69	4664.87	4645.37	4633.12	4599.69	4548.39
360.0	4711.12	4717.80	4722.79	4718.90	4703.29	4681.58	4652.62	4581.82	4538.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4486.00	4408.57	4342.82	4261.45	4168.42	4055.88	3931.10	3785.08	3615.72
45.0	4547.29	4474.33	4396.33	4318.32	4215.25	4103.24	3982.87	3872.59	3692.62
90.0	4436.96	4344.50	4251.47	4140.56	4006.31	3865.34	3713.23	3552.75	3382.29
135.0	4546.76	4468.18	4385.71	4293.78	4191.81	4088.73	3953.38	3809.05	3661.40
180.0	4523.32	4455.93	4379.61	4313.86	4217.46	4153.38	3996.27	3921.58	3795.12
225.0	4358.43	4281.53	4198.53	4112.70	4011.31	3899.30	3782.87	3652.52	3517.64
270.0	4469.86	4397.96	4323.32	4245.89	4173.46	4088.21	4003.53	3909.34	3803.48
315.0	4499.93	4443.11	4387.97	4320.53	4237.54	4141.14	4048.63	3942.24	3816.88
360.0	4486.00	4408.57	4342.82	4261.45	4168.42	4055.88	3931.10	3785.08	3615.72
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3447.47	3258.56	3066.92	2874.12	2695.83	2518.69	2348.18	2183.24	2025.60
45.0	3562.21	3392.28	3206.79	3025.13	2839.58	2659.61	2490.25	2327.57	2165.42
90.0	3196.75	3017.88	2837.90	2657.98	2491.94	2329.78	2174.88	2060.66	1917.48
135.0	3493.15	3323.79	3217.93	2966.05	2807.84	2707.55	2483.58	2393.85	2243.42
180.0	3653.04	3502.61	3343.29	3170.57	2992.80	2830.12	2674.70	2516.43	2371.57
225.0	3367.78	3215.14	3063.03	2904.76	2748.23	2596.11	2447.36	2356.53	2167.68
270.0	3737.72	3611.25	3474.22	3329.36	3178.35	3024.03	2869.12	2718.69	2570.46
315.0	3680.90	3536.62	3375.56	3271.38	3103.13	2941.56	2769.41	2606.68	2454.04
360.0	3447.47	3258.56	3066.92	2874.12	2695.83	2518.69	2348.18	2183.24	2025.60
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1869.02	1696.88	1519.11	1410.46	1068.81	1068.81	898.56	734.77	577.82
45.0	2015.56	1863.45	1697.98	1524.68	1345.28	1167.57	993.17	818.77	655.51
90.0	1729.73	1590.44	1411.57	1065.76	1065.76	895.51	733.61	574.40	427.91
135.0	2090.78	1921.95	1743.08	1560.37	1376.51	1190.38	1010.99	834.90	670.54
180.0	2225.02	2085.21	1933.09	1758.16	1575.40	1470.65	1230.49	1061.13	955.85
225.0	2090.78	1955.96	1799.95	1628.33	1446.15	1070.80	1070.80	900.66	740.19
270.0	2430.07	2293.04	2155.96	2004.94	1840.58	1657.87	1470.07	1282.31	1100.13
315.0	2293.04	2137.56	1972.67	1789.33	1599.90	1411.57	1046.47	1046.47	871.33
360.0	1869.02	1696.88	1519.11	1410.46	1068.81	1068.81	898.56	734.77	577.82
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	436.48	311.38	214.56	147.60	110.43	88.57	73.11	62.76	54.24
45.0	505.65	421.50	344.07	344.07	133.88	103.18	84.78	71.59	62.34
90.0	302.71	204.15	139.24	105.49	93.09	71.17	61.34	56.35	46.57
135.0	519.00	381.39	307.28	307.28	137.14	108.23	86.89	71.96	61.34
180.0	792.01	571.41	484.47	351.85	303.39	195.16	117.63	94.03	77.95
225.0	588.17	451.41	331.35	230.70	161.10	120.68	96.72	85.83	66.81
270.0	921.26	749.12	590.91	478.32	352.43	329.04	286.10	138.45	109.44
315.0	734.61	544.23	431.07	306.97	212.04	152.69	120.63	96.29	77.63
360.0	436.48	311.38	214.56	147.60	110.43	88.57	73.11	62.76	54.24

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	46.94	42.05	36.06	32.75	29.38	26.54	24.28	22.44	20.81
45.0	54.45	47.67	42.00	37.32	33.53	30.22	27.49	25.70	23.39
90.0	42.84	37.63	33.38	30.01	27.23	25.02	23.07	21.34	19.82
135.0	52.88	45.83	40.05	35.43	31.75	28.80	26.33	24.28	22.60
180.0	66.60	57.19	49.51	43.15	37.90	35.22	30.01	28.28	25.70
225.0	60.92	52.35	45.20	39.53	34.69	30.70	27.54	24.97	22.86
270.0	87.73	73.53	62.55	54.09	46.99	41.26	36.64	32.85	29.65
315.0	64.97	55.77	47.99	41.73	36.64	32.69	29.28	26.60	24.44
360.0	46.94	42.05	36.06	32.75	29.38	26.54	24.28	22.44	20.81
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.34	18.03	16.93	15.93	14.98	14.14	13.35	12.67	11.98
45.0	21.92	20.45	18.82	17.82	16.87	15.87	14.93	13.93	13.19
90.0	18.55	17.40	16.29	15.30	14.45	13.67	12.93	12.40	11.62
135.0	21.03	19.66	18.50	17.40	16.40	15.98	14.77	14.35	13.67
180.0	22.97	21.92	20.39	18.92	17.71	16.61	15.66	14.72	13.93
225.0	21.08	19.61	18.24	17.08	16.03	15.14	14.30	13.88	12.98
270.0	28.07	24.70	22.76	21.76	19.61	18.71	17.40	16.40	15.40
315.0	22.50	20.81	19.34	18.61	16.93	15.87	15.35	14.45	13.61
360.0	19.34	18.03	16.93	15.93	14.98	14.14	13.35	12.67	11.98
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.35	10.72	10.25	9.67	9.36	8.57	7.99	7.67	7.10
45.0	12.35	11.72	11.04	10.41	9.83	9.25	8.62	7.94	7.46
90.0	11.09	10.67	10.04	9.36	8.88	8.41	7.78	7.36	6.89
135.0	13.04	12.62	12.09	11.62	11.14	10.57	10.09	9.51	8.99
180.0	13.25	12.83	12.40	12.09	11.83	11.56	11.41	11.30	11.30
225.0	12.51	12.40	12.30	12.56	12.67	12.67	12.56	11.51	12.25
270.0	14.45	13.67	13.04	12.46	11.98	11.56	11.09	10.62	10.25
315.0	12.93	12.30	11.67	11.14	10.62	10.14	9.62	9.15	8.67
360.0	11.35	10.72	10.25	9.67	9.36	8.57	7.99	7.67	7.10
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.89	6.20	5.99	5.62	5.15	4.84	4.36	3.89	3.57
45.0	6.99	6.73	6.15	5.73	5.47	4.99	4.63	4.15	3.68
90.0	6.52	6.04	5.62	5.15	4.78	4.36	3.89	3.57	3.15
135.0	8.57	8.25	7.83	7.36	6.78	6.47	5.83	5.31	5.10
180.0	11.14	11.09	10.99	9.83	8.57	7.52	6.57	5.83	5.26
225.0	12.19	11.77	11.62	10.20	7.99	6.47	5.78	5.15	4.73
270.0	9.88	9.51	9.30	9.04	8.46	7.67	7.15	6.20	5.68
315.0	8.30	7.83	7.41	6.94	6.62	6.15	5.94	5.52	4.89
360.0	6.89	6.20	5.99	5.62	5.15	4.84	4.36	3.89	3.57
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.21	2.84	2.47	2.10	1.89	1.68	1.37	1.16	1.00
45.0	3.26	2.79	2.47	2.21	1.89	1.58	1.31	1.16	1.00
90.0	2.89	2.52	2.26	1.94	1.68	1.52	1.26	1.16	1.10
135.0	4.57	4.21	3.78	3.31	3.00	2.73	2.42	2.05	1.37
180.0	4.78	4.21	3.89	3.47	3.10	2.79	2.47	2.26	2.00
225.0	4.31	3.99	3.47	3.15	2.89	2.68	2.31	2.05	1.84
270.0	4.89	4.47	4.10	3.63	3.21	2.89	2.52	2.21	1.94
315.0	4.52	4.10	3.68	3.36	3.05	2.63	2.37	2.00	1.73
360.0	3.21	2.84	2.47	2.10	1.89	1.68	1.37	1.16	1.00

Intensity data(cd)

C/γ(°)	90.0
0.0	1.05
45.0	1.00
90.0	1.10
135.0	1.42
180.0	1.73
225.0	1.73
270.0	1.73
315.0	1.58
360.0	1.05