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Nata

Client:

LumCAT: 2-2518-L

Luminaire: 92.70.412.00

Report No: 2024826-B021

Ballast type: AC

Test No: 2024826-C021

Voltage(V): 34.930

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.715

Lamp flux(lm): 4003.0

Power (W): 24.970

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3682.50, Efficiency(%): 91.99% , Luminous Efficacy(lm/W): 147.48

Central intensity(cd): 18492.800, Maximum intensity(cd): 18492.800

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.0

[C90/270]Total=19.0

Field angle(10%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.99%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.710%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/26
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	18492.803	0.000	0	0.00%	0.00%
1.0	18346.547	17.627	17.627	0.44%	0.48%
2.0	17902.209	52.028	69.655	1.30%	1.89%
3.0	17187.648	83.923	153.578	2.10%	4.17%
4.0	16273.902	112.006	265.584	2.80%	7.21%
5.0	14731.534	133.384	398.968	3.33%	10.83%
6.0	13757.893	149.720	548.688	3.74%	14.90%
7.0	12474.921	162.827	711.514	4.07%	19.32%
8.0	11009.478	168.073	879.588	4.20%	23.89%
9.0	9887.427	169.358	1048.946	4.23%	28.48%
10.0	8694.613	168.161	1217.106	4.20%	33.05%
11.0	7588.159	162.698	1379.805	4.06%	37.47%
12.0	6607.967	155.184	1534.989	3.88%	41.68%
13.0	5785.942	147.084	1682.073	3.67%	45.68%
14.0	5072.492	138.987	1821.06	3.47%	49.45%
15.0	4486.433	131.229	1952.289	3.28%	53.02%
16.0	4041.189	124.954	2077.243	3.12%	56.41%
17.0	3629.855	119.459	2196.702	2.98%	59.65%
18.0	3281.359	113.951	2310.653	2.85%	62.75%
19.0	3041.431	110.004	2420.656	2.75%	65.73%
20.0	2759.374	106.171	2526.827	2.65%	68.62%
21.0	2516.548	101.308	2628.135	2.53%	71.37%
22.0	2288.768	96.565	2724.7	2.41%	73.99%
23.0	2133.670	92.795	2817.495	2.32%	76.51%
24.0	1870.969	87.556	2905.051	2.19%	78.89%
25.0	1668.656	80.483	2985.534	2.01%	81.07%
26.0	1482.985	74.395	3059.929	1.86%	83.09%
27.0	1323.051	68.650	3128.579	1.71%	84.96%
28.0	1167.334	63.051	3191.63	1.58%	86.67%
29.0	1037.893	57.695	3249.325	1.44%	88.24%
30.0	913.983	52.700	3302.026	1.32%	89.67%
31.0	784.206	47.258	3349.284	1.18%	90.95%
32.0	658.050	41.319	3390.603	1.03%	92.07%
33.0	555.802	35.761	3426.363	0.89%	93.04%
34.0	457.267	30.658	3457.022	0.77%	93.88%
35.0	377.543	25.926	3482.948	0.65%	94.58%
36.0	307.477	21.811	3504.759	0.54%	95.17%
37.0	245.874	18.047	3522.806	0.45%	95.66%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	199.278	14.859	3537.665	0.37%	96.07%
39.0	169.245	12.579	3550.243	0.31%	96.41%
40.0	129.475	10.418	3560.662	0.26%	96.69%
41.0	102.352	8.255	3568.917	0.21%	96.92%
42.0	85.434	6.823	3575.74	0.17%	97.10%
43.0	72.536	5.852	3581.591	0.15%	97.26%
44.0	62.996	5.115	3586.707	0.13%	97.40%
45.0	55.703	4.562	3591.268	0.11%	97.52%
46.0	50.059	4.136	3595.405	0.10%	97.63%
47.0	45.545	3.802	3599.207	0.09%	97.74%
48.0	42.070	3.542	3602.749	0.09%	97.83%
49.0	38.739	3.318	3606.067	0.08%	97.92%
50.0	36.340	3.130	3609.198	0.08%	98.01%
51.0	33.831	2.969	3612.166	0.07%	98.09%
52.0	31.925	2.822	3614.988	0.07%	98.17%
53.0	30.381	2.710	3617.698	0.07%	98.24%
54.0	29.021	2.618	3620.317	0.07%	98.31%
55.0	27.891	2.540	3622.857	0.06%	98.38%
56.0	26.945	2.478	3625.335	0.06%	98.45%
57.0	26.216	2.431	3627.765	0.06%	98.51%
58.0	25.913	2.411	3630.176	0.06%	98.58%
59.0	25.664	2.411	3632.587	0.06%	98.64%
60.0	25.637	2.424	3635.011	0.06%	98.71%
61.0	25.900	2.459	3637.47	0.06%	98.78%
62.0	26.143	2.508	3639.978	0.06%	98.85%
63.0	26.373	2.554	3642.532	0.06%	98.91%
64.0	26.781	2.608	3645.141	0.07%	98.99%
65.0	26.846	2.654	3647.795	0.07%	99.06%
66.0	26.794	2.676	3650.471	0.07%	99.13%
67.0	26.590	2.684	3653.155	0.07%	99.20%
68.0	26.439	2.686	3655.841	0.07%	99.28%
69.0	26.321	2.692	3658.533	0.07%	99.35%
70.0	25.368	2.655	3661.188	0.07%	99.42%
71.0	24.461	2.575	3663.763	0.06%	99.49%
72.0	22.516	2.443	3666.206	0.06%	99.56%
73.0	20.322	2.240	3668.446	0.06%	99.62%
74.0	18.331	2.032	3670.478	0.05%	99.67%
75.0	16.012	1.815	3672.293	0.05%	99.72%

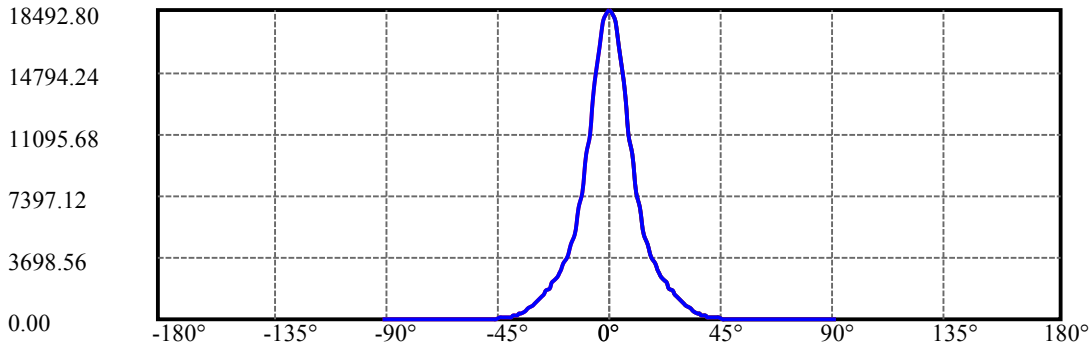
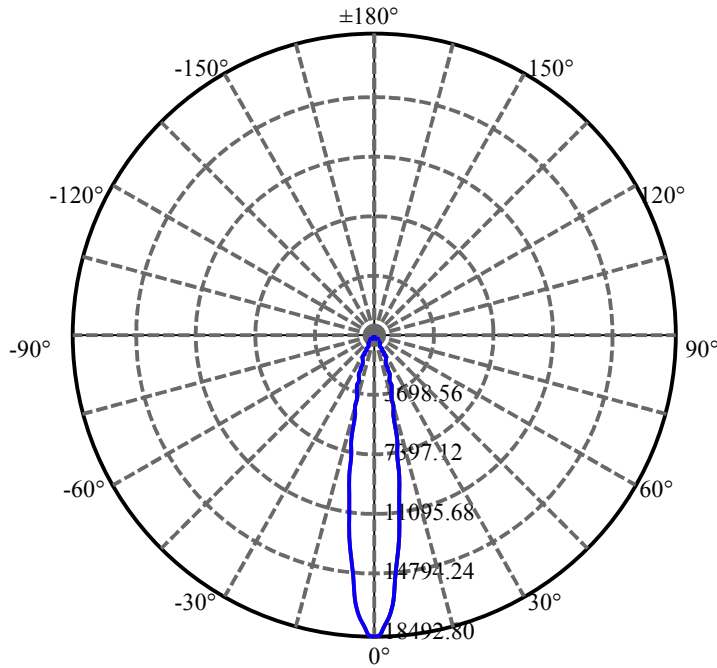
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.647	1.574	3673.867	0.04%	99.77%
77.0	11.498	1.341	3675.208	0.03%	99.80%
78.0	9.560	1.127	3676.335	0.03%	99.83%
79.0	7.996	0.943	3677.278	0.02%	99.86%
80.0	6.708	0.793	3678.071	0.02%	99.88%
81.0	5.861	0.680	3678.751	0.02%	99.90%
82.0	5.210	0.600	3679.351	0.01%	99.91%
83.0	4.704	0.539	3679.89	0.01%	99.93%
84.0	4.264	0.489	3680.378	0.01%	99.94%
85.0	3.870	0.444	3680.822	0.01%	99.95%
86.0	3.535	0.405	3681.227	0.01%	99.97%
87.0	3.200	0.369	3681.596	0.01%	99.98%
88.0	2.884	0.333	3681.929	0.01%	99.98%
89.0	2.602	0.301	3682.23	0.01%	99.99%
90.0	2.398	0.274	3682.504	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3302.03	82.49%	89.67%
0-40	3560.66	88.95%	96.69%
0-60	3635.01	90.81%	98.71%
0-90	3682.23	91.99%	99.99%
0-120	3682.23	91.99%	99.99%
0-180	3682.50	91.99%	100.00%
60-90	47.22	1.18%	1.28%
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%
0-24.51	2946.00	73.59%	80.00%

ZONAL LUMEN SUMMARY

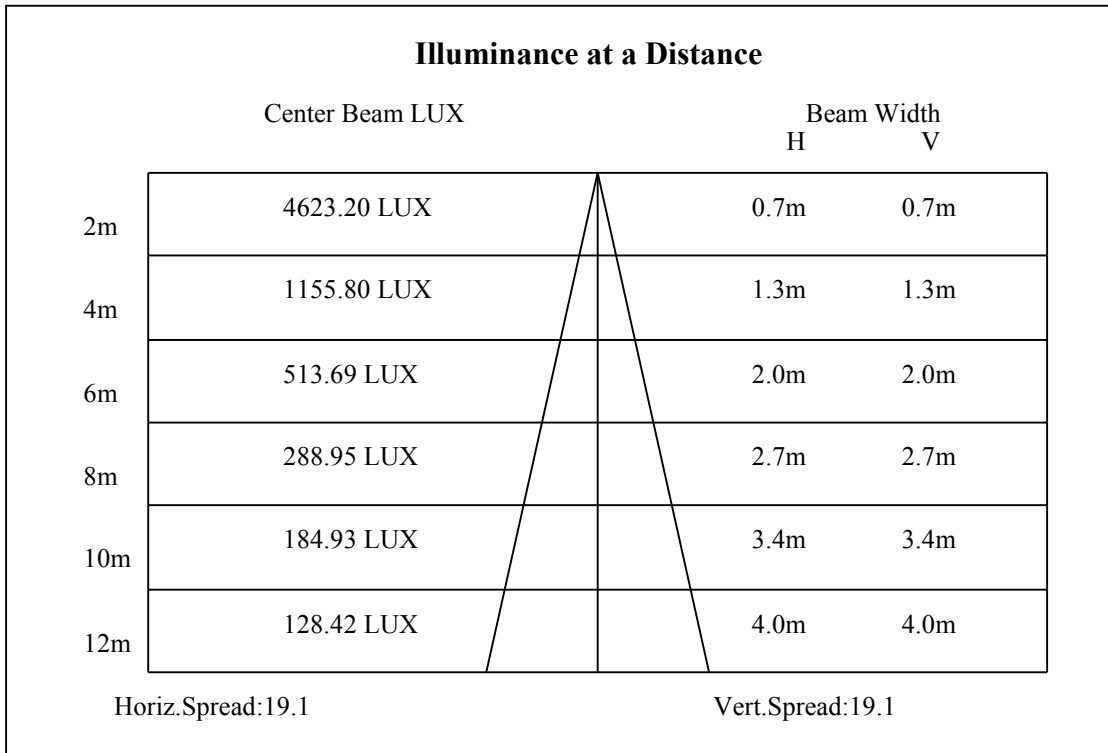
0-10	1217.11
10-20	1309.72
20-30	775.20
30-40	258.64
40-50	48.54
50-60	25.81
60-70	26.18
70-80	16.88
80-90	4.16
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

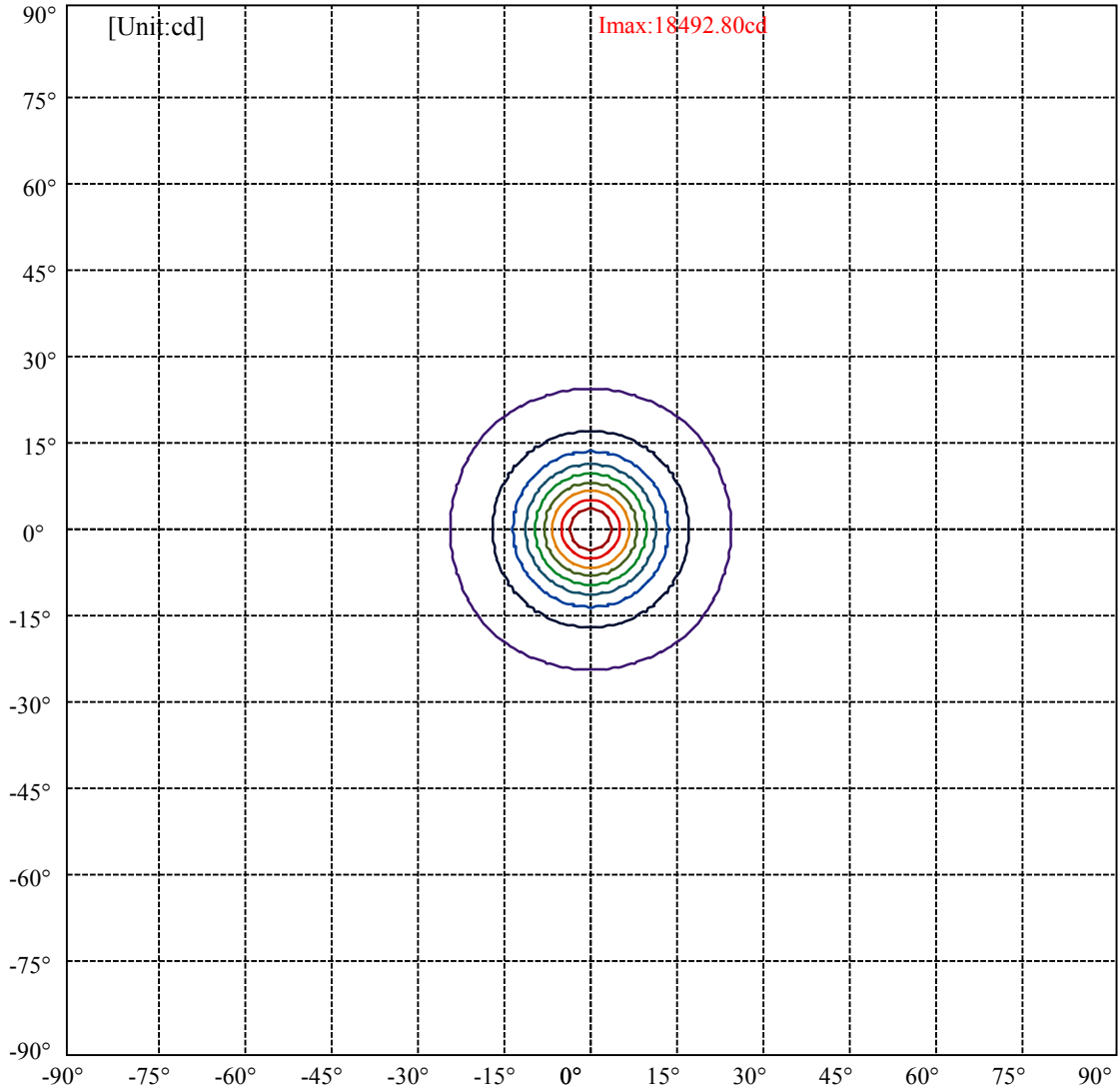


C0(Max): —————
C0/C180: —————
C90/C270: —————

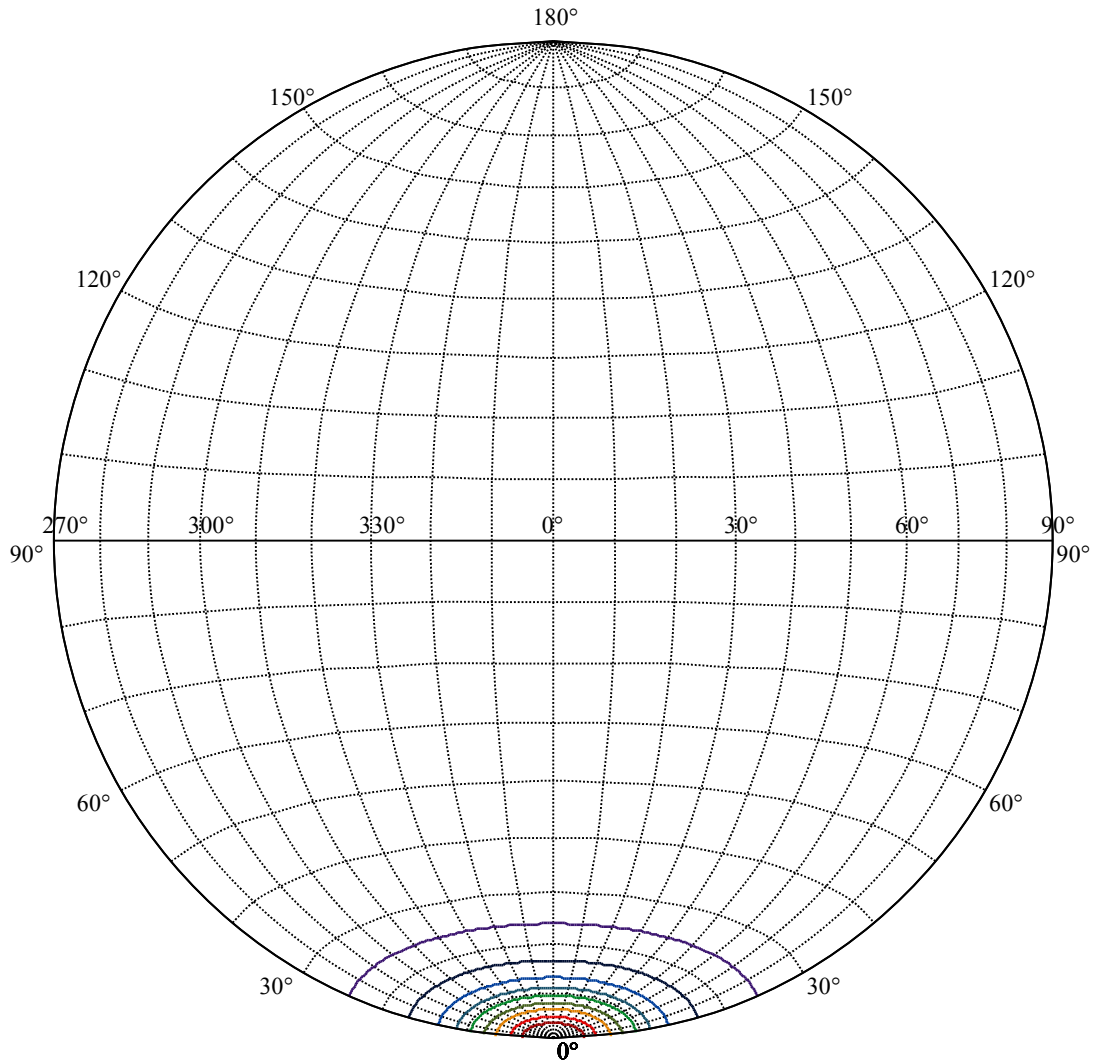
Field angle(10%Imax):C0/180Left:24.1 Right:24.1
:C90/270Left:24.1 Right:24.1

Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5





(10%Imax) 1849.28	—
(20%Imax) 3698.56	—
(30%Imax) 5547.84	—
(40%Imax) 7397.12	—
(50%Imax) 9246.4	—
(60%Imax) 11095.7	—
(70%Imax) 12945	—
(80%Imax) 14794.2	—
(90%Imax) 16643.5	—



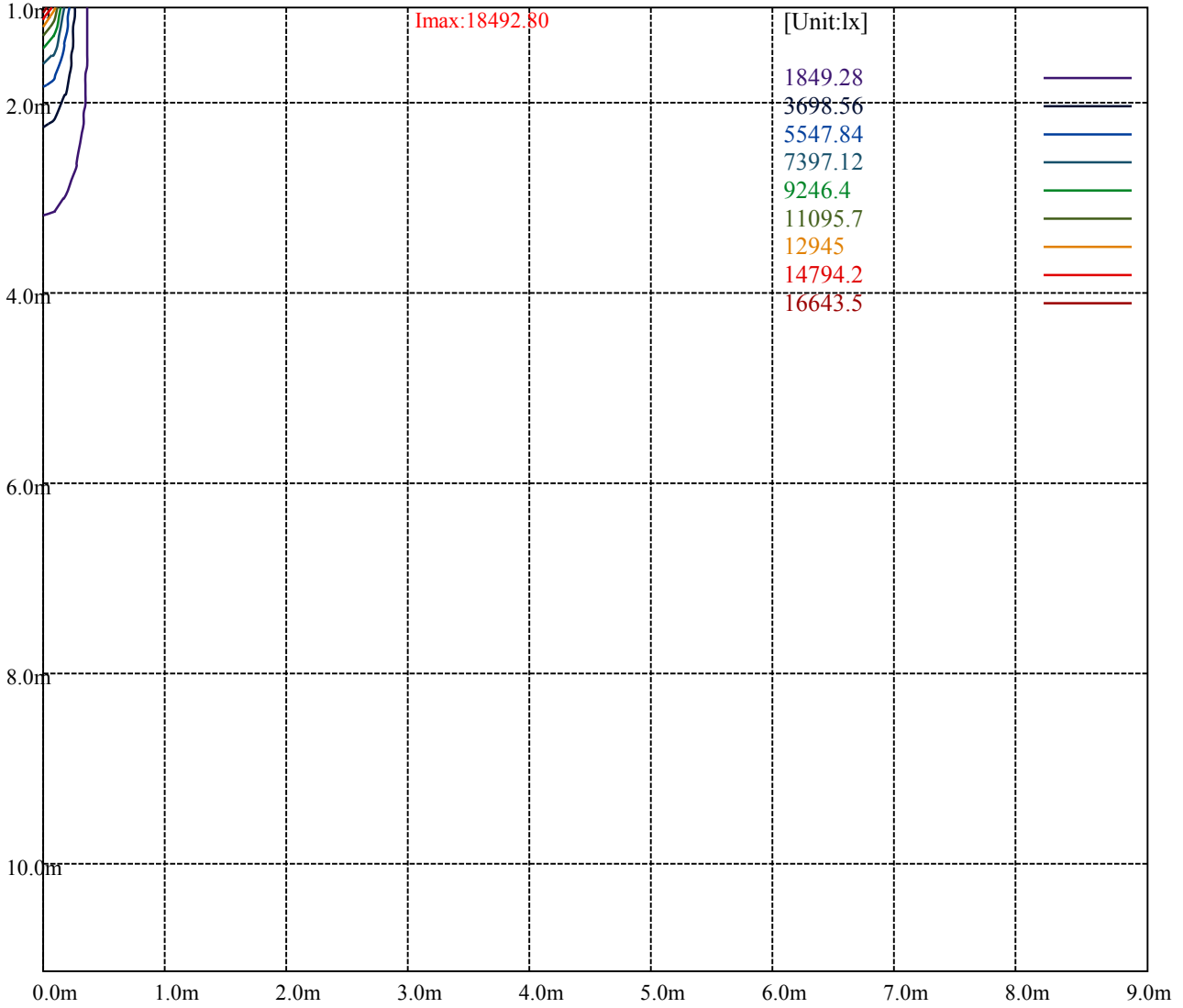
House

[Unit:cd]

Road

Imax:18492.80

(10%Imax) 1849.28	—
(20%Imax) 3698.56	—
(30%Imax) 5547.84	—
(40%Imax) 7397.12	—
(50%Imax) 9246.4	—
(60%Imax) 11095.7	—
(70%Imax) 12945	—
(80%Imax) 14794.2	—
(90%Imax) 16643.5	—



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

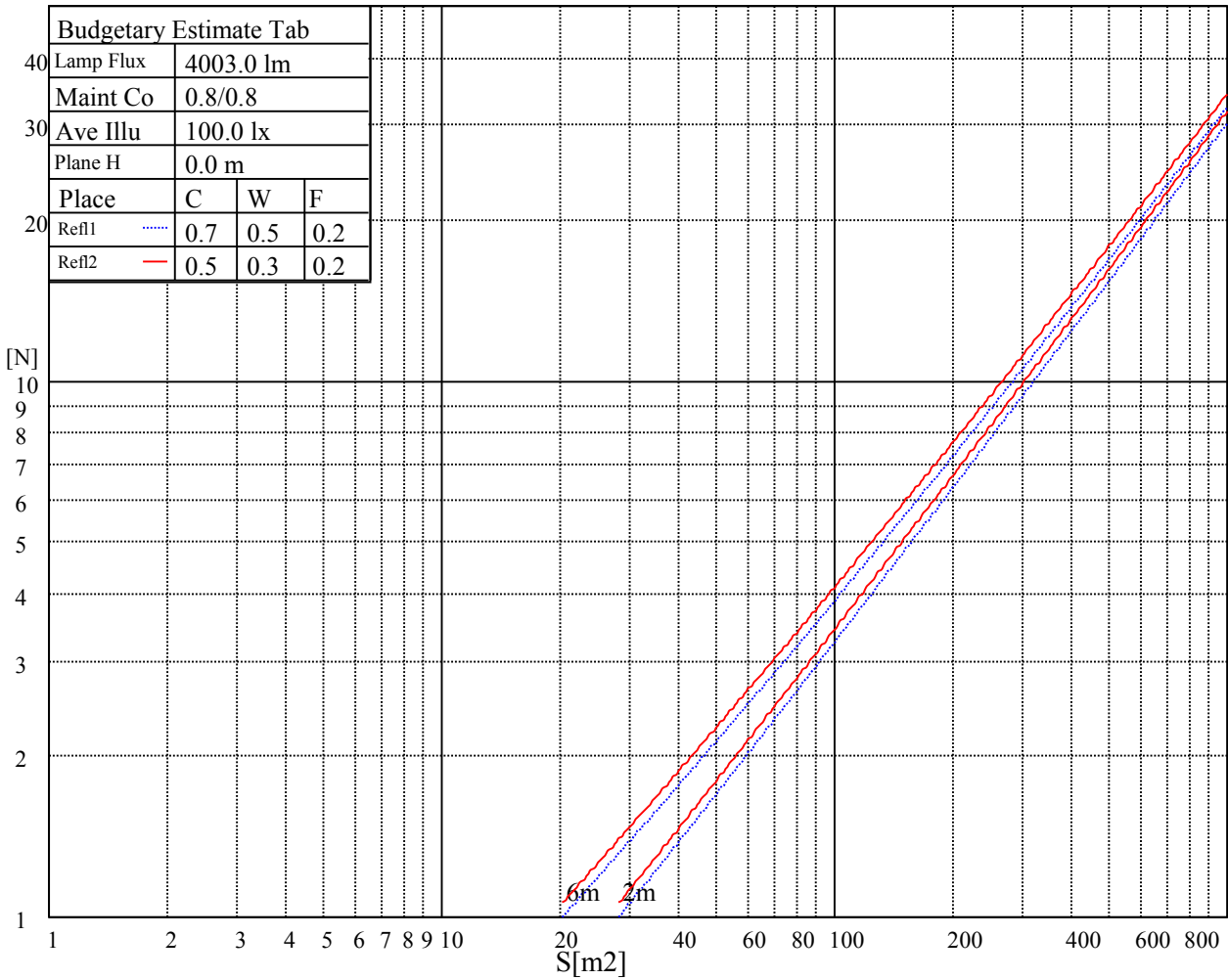
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

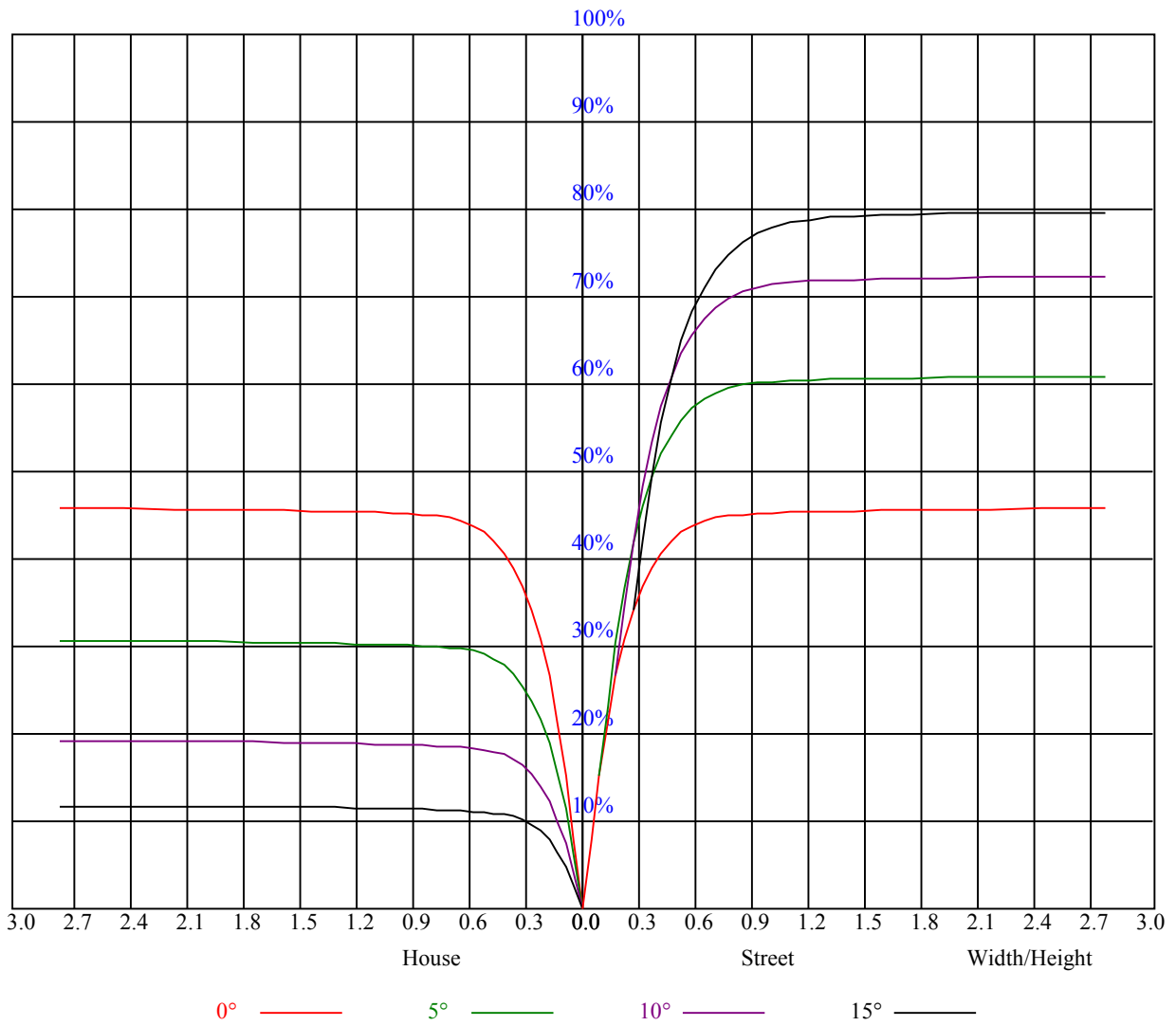


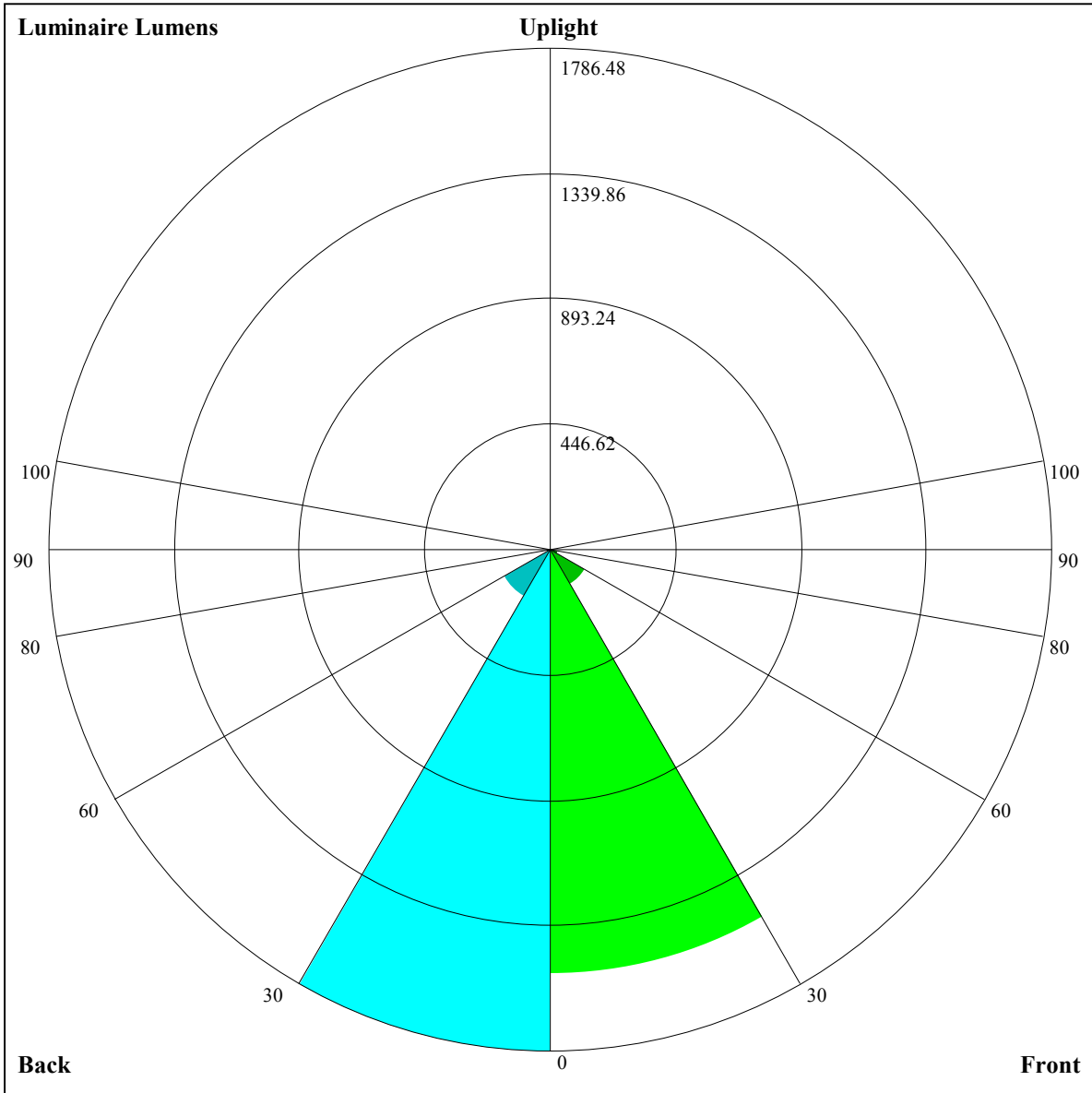
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	1.00	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.88
2	0.98	0.95	0.92	0.96	0.94	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.86	0.84
3	0.93	0.89	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.83	0.81	0.79	0.78
5	0.85	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.75
6	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.72
7	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.73	0.71	0.70
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
9	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1512.95,FM=144.72,FH=25.79,FVH=2.37

BL=1786.48,BM=191.99,BH=16.37,BVH=2.09

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	18150.15	17370.12	16367.23	15180.47	14110.72	10602.54	10602.54	9756.23	8433.50
45.0	18740.74	18228.15	17409.12	16361.66	15080.18	14250.01	12806.96	11319.33	9909.71
90.0	18334.01	17604.13	16640.24	15408.91	14049.43	10812.58	10812.58	9971.26	8651.89
135.0	18746.31	18746.31	18384.15	17765.70	16857.53	15709.77	14422.73	13029.82	11614.63
180.0	18150.15	18640.45	18841.03	18673.88	18228.15	17537.27	16539.95	15392.19	14116.29
225.0	18740.74	18997.03	18874.46	18451.01	17776.85	16874.24	15732.06	14450.59	11071.13
270.0	18334.01	18735.17	18846.60	18634.88	18116.72	17331.12	16344.94	15152.61	13832.14
315.0	18746.31	18451.01	17854.85	17024.68	15971.64	14734.74	12801.39	10727.32	10446.53
360.0	18150.15	17370.12	16367.23	15180.47	14110.72	10602.54	10602.54	9756.23	8433.50
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7260.67	6254.46	5427.60	4770.73	4249.21	3832.44	3474.75	3160.53	2875.80
45.0	8583.67	7396.91	6377.30	5541.56	4867.39	4315.80	3881.22	3513.49	3184.76
90.0	7488.00	6471.76	5622.09	4927.84	4391.28	3951.12	3582.87	3263.61	2974.41
135.0	10745.46	8851.10	7658.78	7012.47	6070.86	5290.84	4672.39	4176.51	3775.35
180.0	12756.81	11324.91	9926.43	8633.81	7469.34	6466.45	5597.28	5179.40	4572.10
225.0	10494.47	10209.16	9126.64	7639.01	6801.59	5877.22	5133.99	4544.50	4044.16
270.0	12428.09	10990.61	9619.99	8327.37	7196.33	6226.87	5418.98	4767.10	4232.23
315.0	9342.25	8057.99	6946.45	6010.94	5241.53	4619.19	4129.99	3724.37	3380.03
360.0	7260.67	6254.46	5427.60	4770.73	4249.21	3832.44	3474.75	3160.53	2875.80
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2613.41	2367.68	2163.21	1960.37	1773.72	1601.58	1497.93	1109.70	1109.70
45.0	2889.47	2889.47	2778.03	2129.20	2011.09	1821.08	1564.79	1460.61	1288.99
90.0	2705.86	2559.32	2245.68	2123.10	1929.20	1679.00	1575.93	1404.89	1048.88
135.0	3435.49	3134.62	2856.04	2856.04	2330.88	2118.64	2001.63	1747.02	1571.51
180.0	3925.79	3691.78	3340.77	3051.04	2878.32	2878.32	2309.18	2106.92	1923.05
225.0	3640.22	3298.72	2996.17	2713.12	2459.61	2231.17	2020.03	1831.70	1655.61
270.0	3959.22	3580.35	3140.19	2978.61	2817.03	2817.03	2256.82	2052.30	1871.80
315.0	3081.42	2809.52	2554.91	2320.90	2110.28	1922.53	1741.45	1636.11	1394.33
360.0	2613.41	2367.68	2163.21	1960.37	1773.72	1601.58	1497.93	1109.70	1109.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	986.76	844.52	717.06	602.52	498.40	404.52	326.57	260.08	206.62
45.0	1121.84	965.84	822.13	696.77	584.18	480.58	388.65	310.64	283.89
90.0	1048.88	900.34	762.37	637.58	522.89	423.39	337.35	266.39	208.78
135.0	1470.07	1233.27	1133.56	975.35	829.91	703.44	585.86	479.48	386.39
180.0	1749.23	1579.87	1417.72	1257.82	1130.78	947.49	836.58	711.22	571.93
225.0	1489.04	1267.28	1097.29	1097.29	949.80	812.51	692.09	583.81	483.00
270.0	1700.76	1529.73	1364.79	1199.32	1039.95	892.30	785.34	647.73	560.79
315.0	1017.82	1017.82	988.23	845.21	717.74	600.16	493.98	398.79	318.95
360.0	986.76	844.52	717.06	602.52	498.40	404.52	326.57	260.08	206.62
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	164.99	132.72	117.69	91.88	79.26	73.53	66.33	60.29	55.24
45.0	230.49	162.05	128.52	99.34	84.94	71.64	62.29	55.09	49.25
90.0	163.42	128.52	101.97	89.46	73.53	62.39	54.30	47.78	42.79
135.0	308.38	280.53	226.49	151.75	121.73	98.92	81.79	68.96	60.92
180.0	487.83	393.11	313.96	300.03	230.38	154.17	123.42	100.92	84.21
225.0	392.48	315.69	252.25	200.79	159.47	127.10	103.29	85.99	73.38
270.0	460.50	356.32	297.82	297.82	187.07	148.96	120.26	98.92	83.05
315.0	251.72	198.06	155.53	122.89	99.40	82.10	71.80	62.34	55.14
360.0	164.99	132.72	117.69	91.88	79.26	73.53	66.33	60.29	55.24

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	50.93	47.25	44.05	41.26	38.84	36.64	34.74	33.11	31.85
45.0	44.47	40.58	37.58	34.80	32.12	30.01	28.23	27.23	26.02
90.0	38.58	35.16	32.17	29.80	27.75	25.86	24.44	23.34	22.44
135.0	53.56	47.67	43.10	39.26	36.16	33.43	31.12	29.12	27.39
180.0	72.43	63.50	56.87	53.72	47.41	45.15	41.73	37.79	36.32
225.0	64.49	57.61	51.88	47.20	43.84	40.16	37.27	34.69	32.59
270.0	71.91	64.07	57.77	52.46	48.15	45.73	40.89	39.21	36.69
315.0	49.25	44.63	40.95	38.06	35.64	33.75	32.22	30.91	29.75
360.0	50.93	47.25	44.05	41.26	38.84	36.64	34.74	33.11	31.85
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.96	30.38	30.17	30.28	30.85	31.64	32.17	34.64	35.80
45.0	25.49	25.44	25.49	25.91	27.07	27.81	29.96	31.33	33.53
90.0	21.76	21.45	21.34	21.34	22.02	22.65	23.18	24.07	25.23
135.0	25.86	24.55	23.55	22.76	22.18	21.71	21.39	21.29	20.97
180.0	34.11	32.01	30.12	28.44	27.02	25.86	24.65	23.76	23.07
225.0	30.54	28.75	27.02	25.76	24.81	23.65	22.86	22.18	21.24
270.0	34.53	32.48	30.64	28.96	27.70	26.60	25.60	24.91	24.39
315.0	28.91	28.07	27.23	26.28	25.65	25.39	25.28	25.02	24.91
360.0	30.96	30.38	30.17	30.28	30.85	31.64	32.17	34.64	35.80
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	37.27	39.32	40.37	41.79	42.89	44.57	45.73	45.10	42.79
45.0	34.69	37.79	39.68	40.42	42.42	43.26	45.47	44.26	47.25
90.0	26.44	27.28	28.49	29.70	30.49	31.22	31.75	30.70	28.28
135.0	20.81	20.18	19.71	18.50	17.03	16.29	15.09	14.24	13.61
180.0	22.34	21.60	20.92	20.18	18.92	17.29	16.19	14.40	12.62
225.0	20.50	19.97	18.82	17.82	16.03	15.30	13.51	12.09	11.46
270.0	23.97	23.18	22.50	21.71	20.45	18.82	17.40	15.82	14.51
315.0	24.97	24.91	24.28	24.23	24.49	24.76	25.44	26.33	25.18
360.0	37.27	39.32	40.37	41.79	42.89	44.57	45.73	45.10	42.79
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	39.26	35.32	30.38	24.76	19.13	14.98	11.98	9.25	7.31
45.0	45.41	41.47	39.63	35.74	30.59	25.02	19.13	14.61	10.25
90.0	25.44	22.34	19.13	16.14	13.40	10.99	8.83	7.25	6.10
135.0	12.72	11.72	10.78	9.88	9.15	8.30	7.52	6.83	6.36
180.0	11.62	10.46	9.57	8.67	7.88	7.25	6.68	6.15	5.73
225.0	9.93	9.30	8.57	7.83	7.10	6.57	6.04	5.68	5.20
270.0	13.25	12.09	11.04	9.88	8.88	7.88	7.10	6.52	6.10
315.0	22.50	19.87	17.56	15.19	13.04	10.99	9.20	7.67	6.62
360.0	39.26	35.32	30.38	24.76	19.13	14.98	11.98	9.25	7.31
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.20	5.62	4.99	4.52	4.21	3.89	3.63	3.26	3.15
45.0	7.57	5.73	5.15	4.63	3.94	3.57	3.21	2.84	2.73
90.0	5.41	4.99	4.52	4.15	3.89	3.63	3.31	3.05	3.00
135.0	5.89	5.47	4.78	4.26	3.99	3.78	3.42	3.15	2.37
180.0	5.31	4.89	4.47	3.94	3.57	3.15	2.84	2.47	2.21
225.0	4.84	4.31	3.94	3.68	3.21	2.89	2.52	2.26	2.00
270.0	5.68	5.05	4.73	4.21	3.84	3.42	3.10	2.73	2.47
315.0	5.99	5.62	5.05	4.73	4.31	3.94	3.57	3.31	2.89
360.0	6.20	5.62	4.99	4.52	4.21	3.89	3.63	3.26	3.15

Intensity data(cd)

C/γ(°)	90.0
0.0	3.15
45.0	2.63
90.0	3.00
135.0	1.89
180.0	1.94
225.0	1.84
270.0	2.21
315.0	2.52
360.0	3.15