



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 2-2518-L

Luminaire: 92.70.412.00

Report No: 2024826-B020

Ballast type: AC

Test No: 2024826-C020

Voltage(V): 34.890

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.715

Lamp flux(lm): 4003.0

Power (W): 24.940

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3683.58, Efficiency(%): 92.02% , Luminous Efficacy(lm/W): 147.70

Central intensity(cd): 19165.580, Maximum intensity(cd): 19165.580

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.8

[C90/270]Total=18.8

Field angle(10%Imax): [C0/180]Total=47.0

[C90/270]Total=47.0

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

Maximum s/h(1/4): C0_180=0.34 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.02%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.195%

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	19165.574	0.000	0	0.00%	0.00%
1.0	19053.445	18.287	18.287	0.46%	0.50%
2.0	18609.807	54.058	72.345	1.35%	1.96%
3.0	17978.123	87.506	159.851	2.19%	4.34%
4.0	17028.857	117.180	277.031	2.93%	7.52%
5.0	15774.545	141.119	418.149	3.53%	11.35%
6.0	14170.751	157.370	575.52	3.93%	15.62%
7.0	12624.796	166.319	741.839	4.15%	20.14%
8.0	11441.069	172.235	914.074	4.30%	24.81%
9.0	10147.125	174.961	1089.035	4.37%	29.56%
10.0	8762.859	171.128	1260.163	4.28%	34.21%
11.0	7578.685	163.286	1423.449	4.08%	38.64%
12.0	6558.243	154.537	1577.986	3.86%	42.84%
13.0	5717.893	145.687	1723.672	3.64%	46.79%
14.0	4998.812	137.173	1860.845	3.43%	50.52%
15.0	4491.932	130.293	1991.138	3.25%	54.05%
16.0	4031.373	124.890	2116.029	3.12%	57.44%
17.0	3619.835	119.150	2235.179	2.98%	60.68%
18.0	3297.515	114.052	2349.231	2.85%	63.78%
19.0	2990.800	109.404	2458.634	2.73%	66.75%
20.0	2736.384	104.823	2563.458	2.62%	69.59%
21.0	2487.501	100.309	2663.767	2.51%	72.31%
22.0	2294.478	96.096	2759.863	2.40%	74.92%
23.0	2011.928	90.360	2850.223	2.26%	77.38%
24.0	1828.551	83.967	2934.189	2.10%	79.66%
25.0	1666.067	79.460	3013.649	1.99%	81.81%
26.0	1474.556	74.135	3087.784	1.85%	83.83%
27.0	1343.997	68.957	3156.741	1.72%	85.70%
28.0	1175.114	63.779	3220.519	1.59%	87.43%
29.0	1067.433	58.671	3279.191	1.47%	89.02%
30.0	916.697	53.571	3332.762	1.34%	90.48%
31.0	770.185	46.943	3379.705	1.17%	91.75%
32.0	636.578	40.302	3420.007	1.01%	92.84%
33.0	518.076	34.017	3454.024	0.85%	93.77%
34.0	389.606	27.469	3481.493	0.69%	94.51%
35.0	300.914	21.445	3502.938	0.54%	95.10%
36.0	256.768	17.757	3520.695	0.44%	95.58%
37.0	203.706	15.018	3535.713	0.38%	95.99%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	168.272	12.416	3548.129	0.31%	96.32%
39.0	142.372	10.603	3558.732	0.26%	96.61%
40.0	126.229	9.368	3568.1	0.23%	96.87%
41.0	110.927	8.445	3576.545	0.21%	97.09%
42.0	98.620	7.613	3584.158	0.19%	97.30%
43.0	88.009	6.913	3591.071	0.17%	97.49%
44.0	78.101	6.269	3597.341	0.16%	97.66%
45.0	70.637	5.716	3603.057	0.14%	97.81%
46.0	63.397	5.242	3608.299	0.13%	97.96%
47.0	57.773	4.819	3613.118	0.12%	98.09%
48.0	52.129	4.443	3617.561	0.11%	98.21%
49.0	47.970	4.111	3621.671	0.10%	98.32%
50.0	44.284	3.846	3625.518	0.10%	98.42%
51.0	40.841	3.602	3629.119	0.09%	98.52%
52.0	37.832	3.376	3632.495	0.08%	98.61%
53.0	35.322	3.182	3635.677	0.08%	98.70%
54.0	32.944	3.009	3638.686	0.08%	98.78%
55.0	30.690	2.840	3641.527	0.07%	98.86%
56.0	28.955	2.695	3644.222	0.07%	98.93%
57.0	27.398	2.577	3646.799	0.06%	99.00%
58.0	25.933	2.466	3649.265	0.06%	99.07%
59.0	24.790	2.371	3651.636	0.06%	99.13%
60.0	23.732	2.292	3653.928	0.06%	99.20%
61.0	22.707	2.216	3656.145	0.06%	99.26%
62.0	21.629	2.136	3658.281	0.05%	99.31%
63.0	20.644	2.056	3660.337	0.05%	99.37%
64.0	19.461	1.968	3662.305	0.05%	99.42%
65.0	18.180	1.863	3664.168	0.05%	99.47%
66.0	16.951	1.753	3665.921	0.04%	99.52%
67.0	15.650	1.639	3667.56	0.04%	99.57%
68.0	14.435	1.524	3669.084	0.04%	99.61%
69.0	13.101	1.405	3670.489	0.04%	99.64%
70.0	12.083	1.293	3671.782	0.03%	99.68%
71.0	11.051	1.196	3672.978	0.03%	99.71%
72.0	10.105	1.100	3674.078	0.03%	99.74%
73.0	9.238	1.011	3675.089	0.03%	99.77%
74.0	8.515	0.933	3676.023	0.02%	99.79%
75.0	7.799	0.862	3676.885	0.02%	99.82%

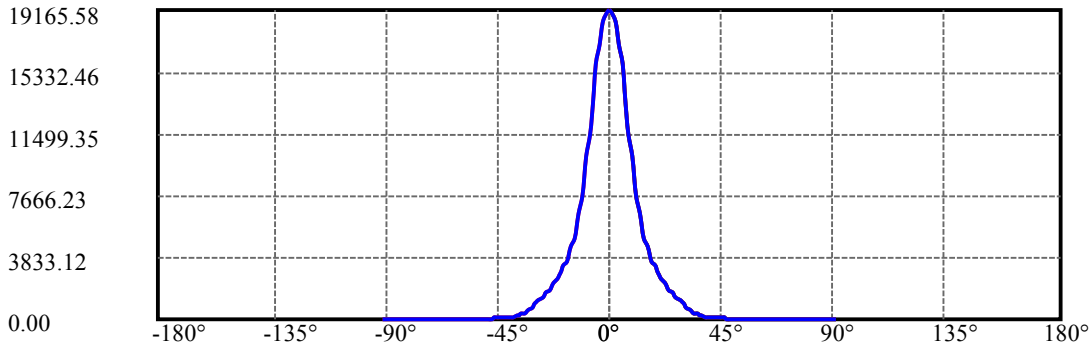
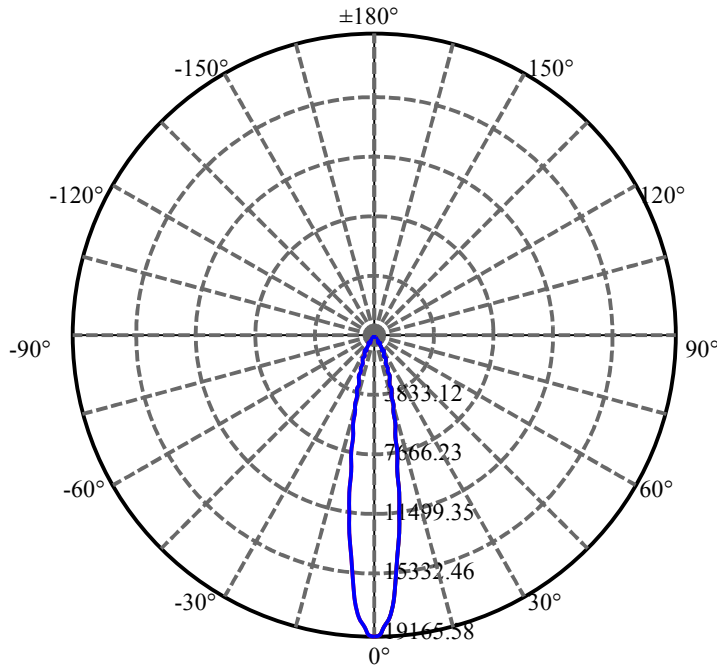
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.109	0.791	3677.676	0.02%	99.84%
77.0	6.590	0.730	3678.406	0.02%	99.86%
78.0	6.064	0.677	3679.084	0.02%	99.88%
79.0	5.506	0.622	3679.706	0.02%	99.89%
80.0	5.007	0.567	3680.272	0.01%	99.91%
81.0	4.553	0.517	3680.789	0.01%	99.92%
82.0	4.106	0.470	3681.259	0.01%	99.94%
83.0	3.686	0.424	3681.682	0.01%	99.95%
84.0	3.259	0.378	3682.061	0.01%	99.96%
85.0	2.924	0.337	3682.398	0.01%	99.97%
86.0	2.576	0.301	3682.699	0.01%	99.98%
87.0	2.286	0.266	3682.965	0.01%	99.98%
88.0	1.991	0.234	3683.199	0.01%	99.99%
89.0	1.728	0.204	3683.403	0.01%	100.00%
90.0	1.465	0.175	3683.578	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3332.76	83.26%	90.48%
0-40	3568.10	89.14%	96.87%
0-60	3653.93	91.28%	99.20%
0-90	3683.40	92.02%	100.00%
0-120	3683.40	92.02%	100.00%
0-180	3683.58	92.02%	100.00%
60-90	29.47	0.74%	0.80%
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%
0-24.16	2946.86	73.62%	80.00%

ZONAL LUMEN SUMMARY

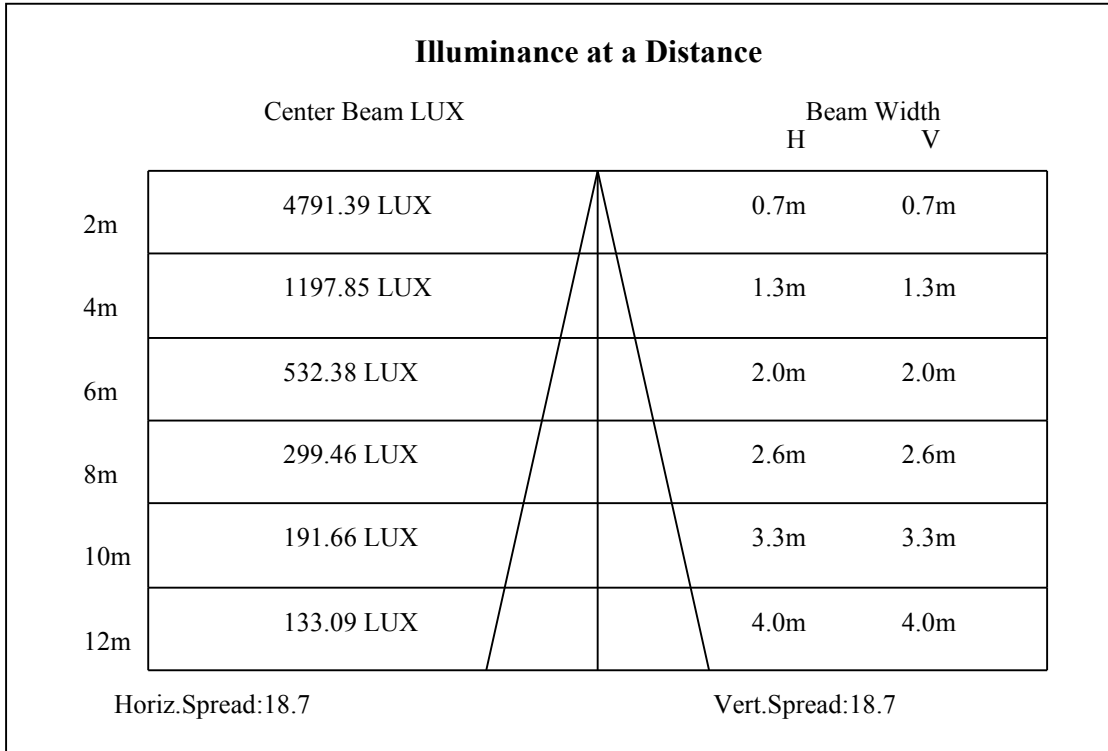
0-10	1260.16
10-20	1303.29
20-30	769.30
30-40	235.34
40-50	57.42
50-60	28.41
60-70	17.85
70-80	8.49
80-90	3.13
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

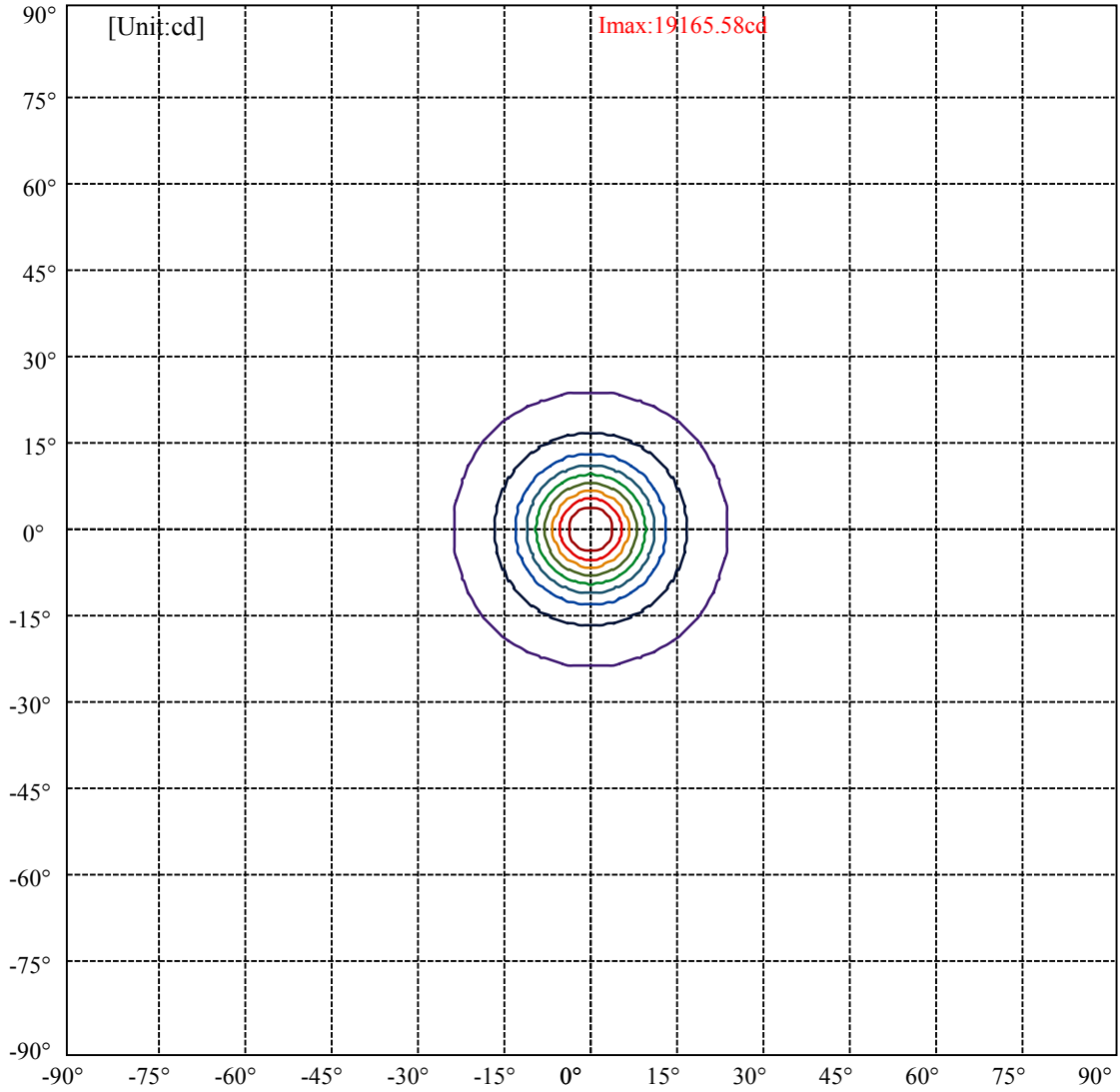


C0(Max): ———
C0/C180: ———
C90/C270: ———

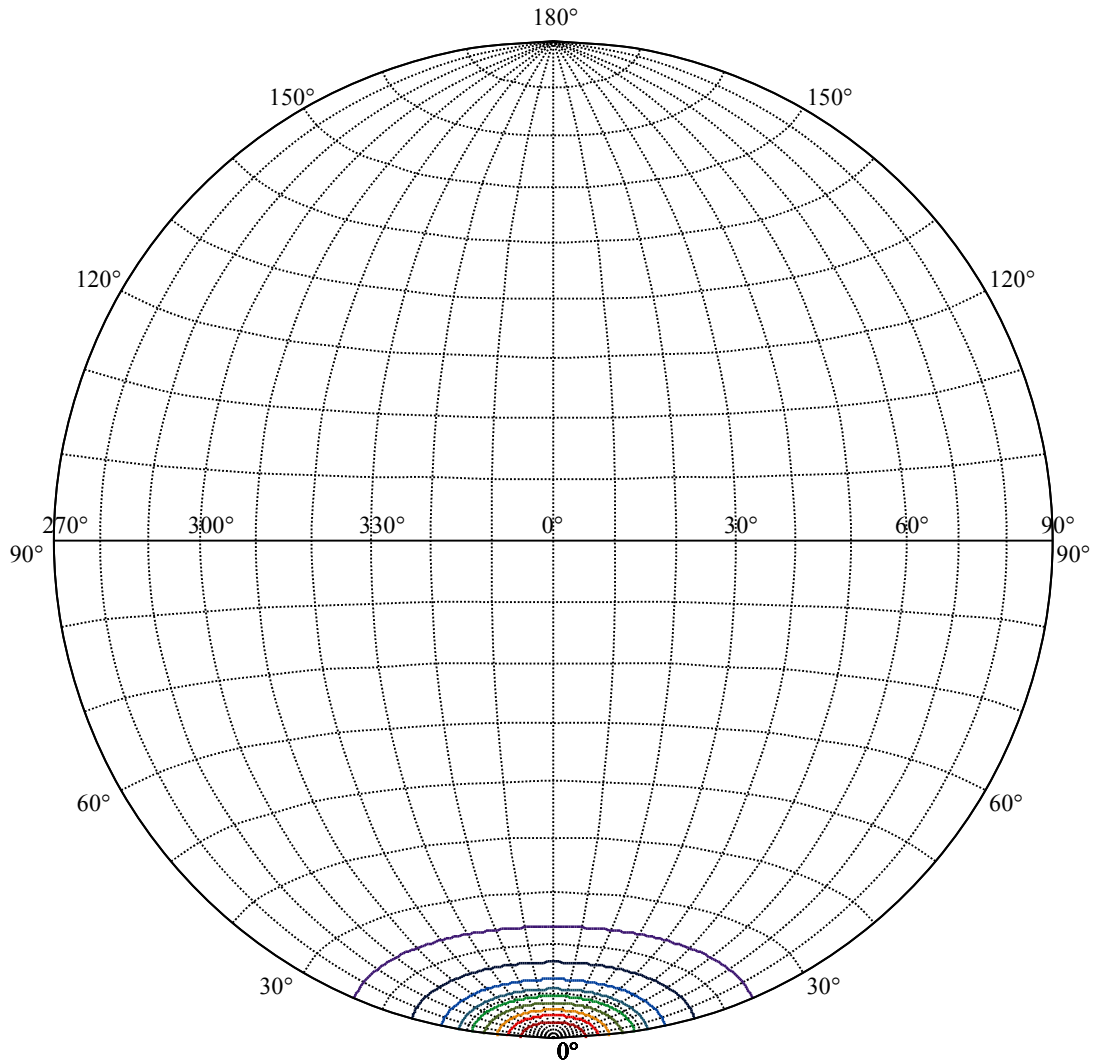
Field angle(10%Imax):C0/180Left:23.5 Right:23.5
:C90/270Left:23.5 Right:23.5

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4





(10%Imax) 1916.56	—
(20%Imax) 3833.12	—
(30%Imax) 5749.67	—
(40%Imax) 7666.23	—
(50%Imax) 9582.79	—
(60%Imax) 11499.3	—
(70%Imax) 13415.9	—
(80%Imax) 15332.5	—
(90%Imax) 17249	—



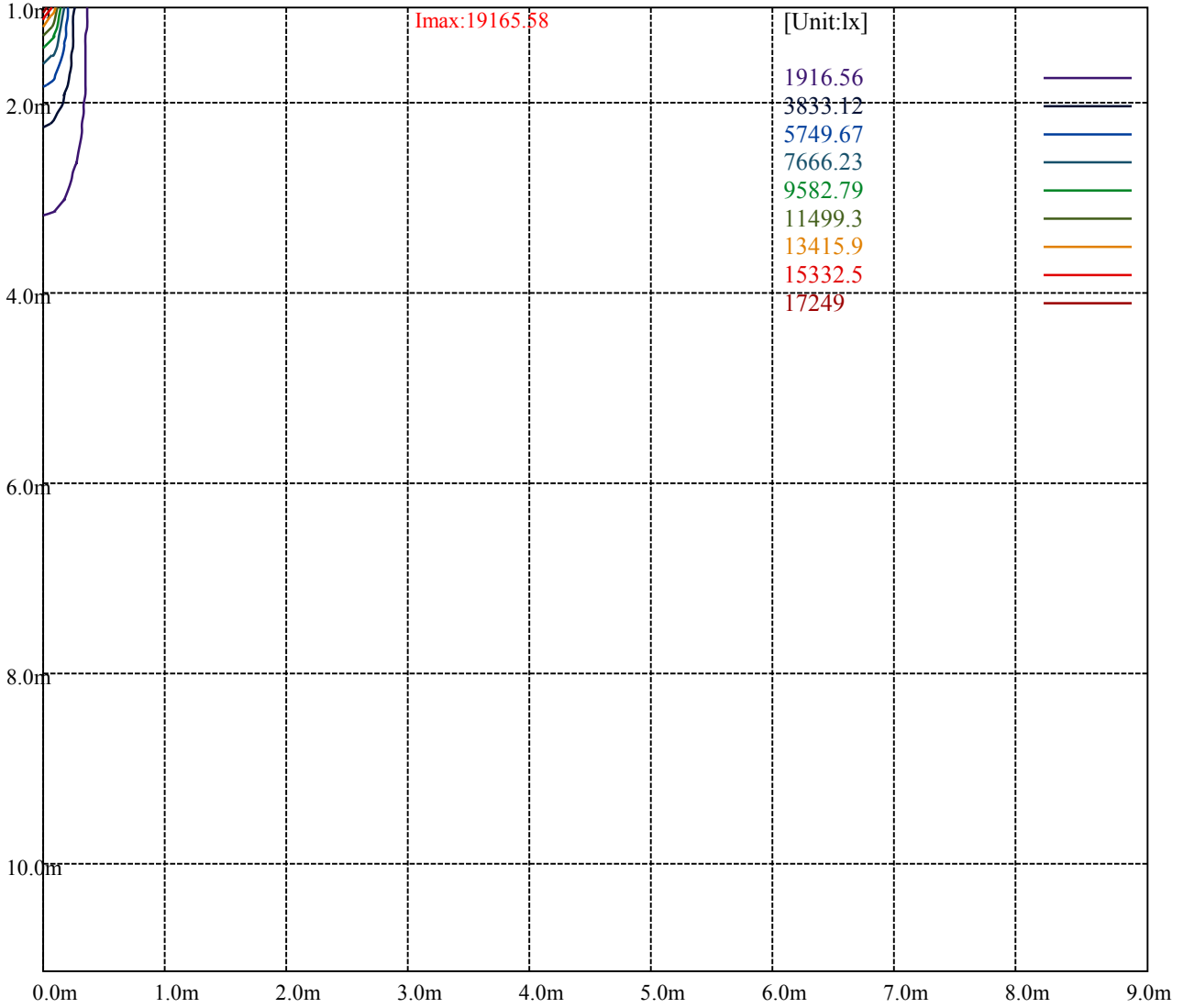
House

[Unit:cd]

Road

Imax:19165.58

(10%Imax) 1916.56	—
(20%Imax) 3833.12	—
(30%Imax) 5749.67	—
(40%Imax) 7666.23	—
(50%Imax) 9582.79	—
(60%Imax) 11499.3	—
(70%Imax) 13415.9	—
(80%Imax) 15332.5	—
(90%Imax) 17249	—



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

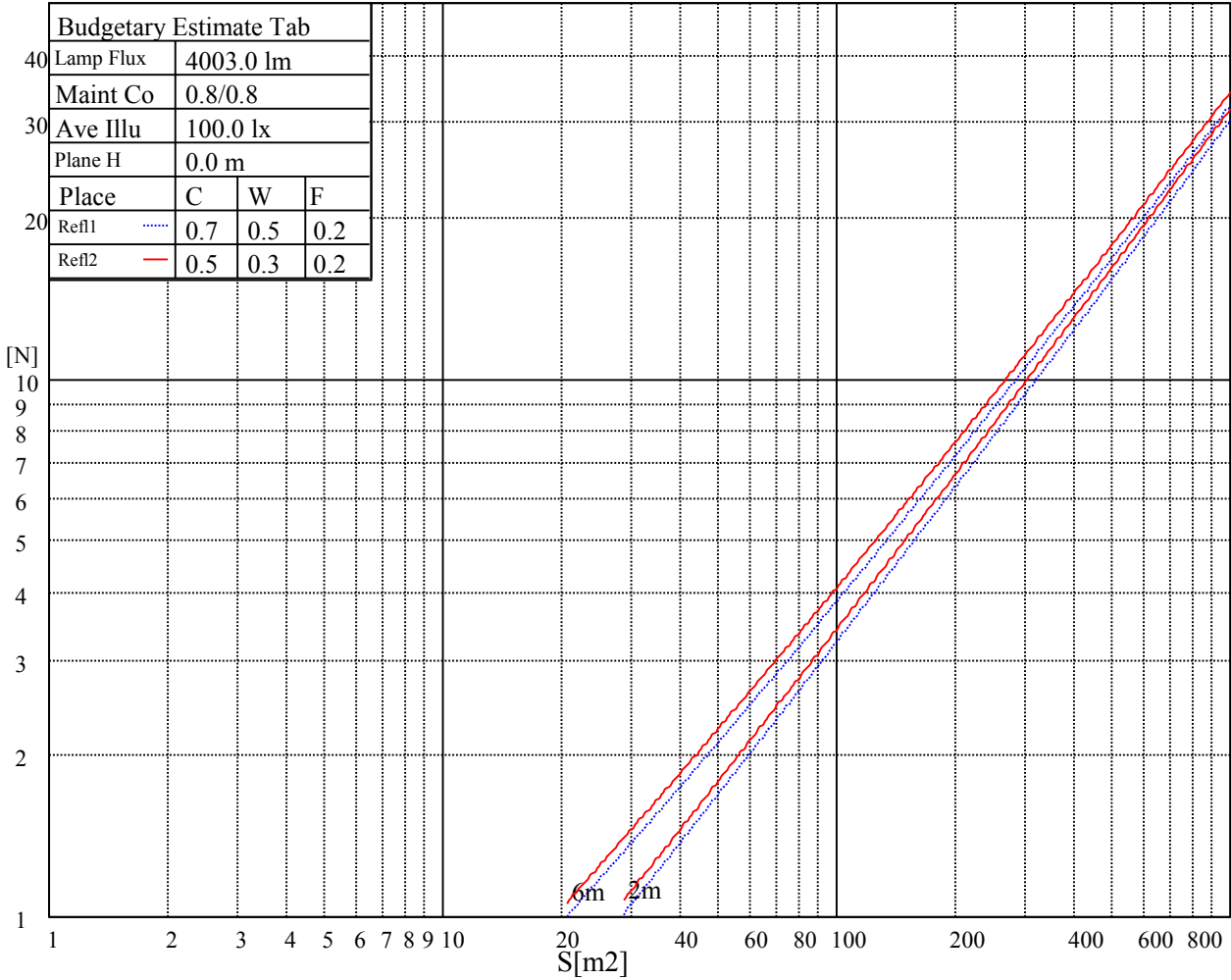
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

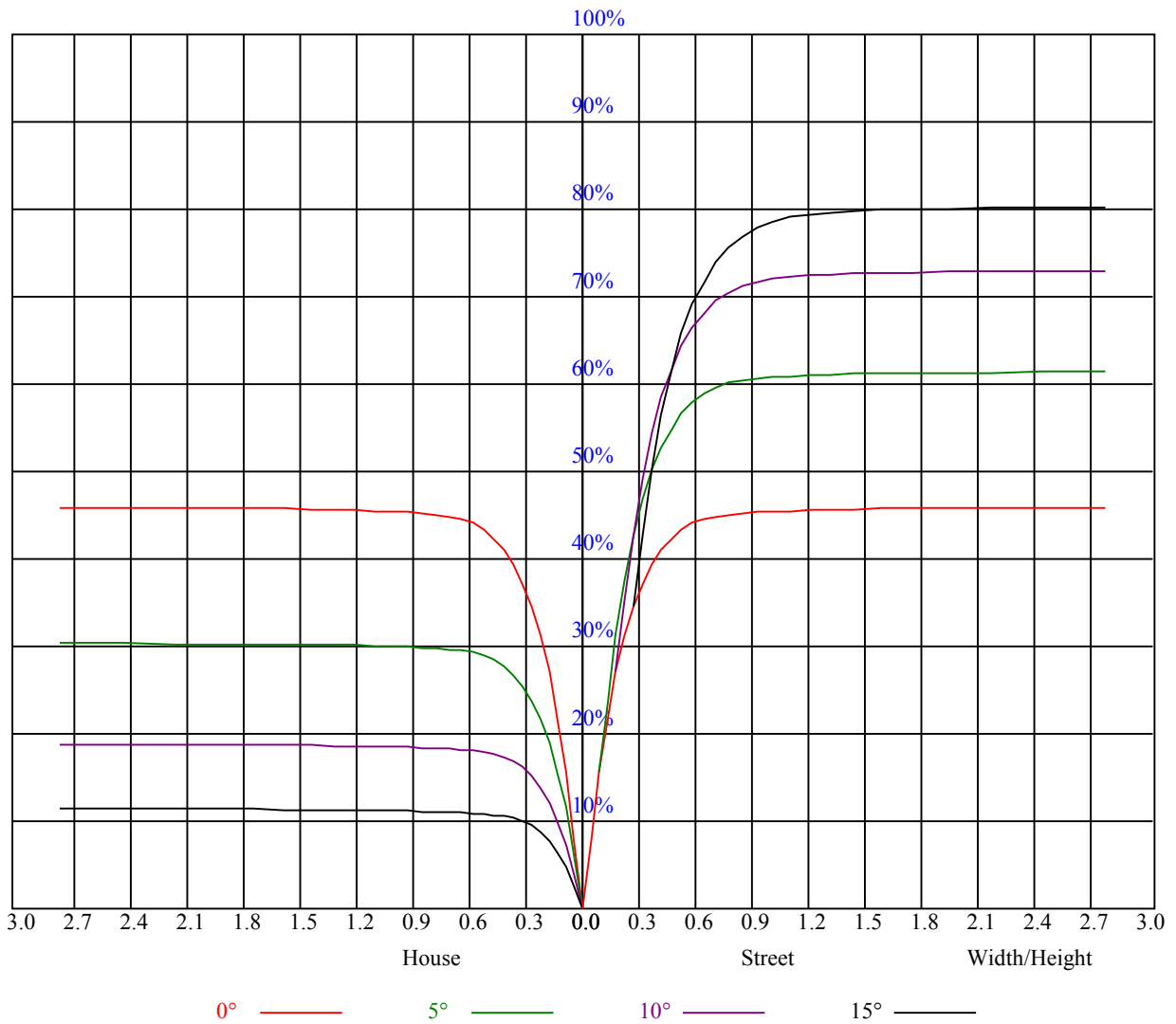


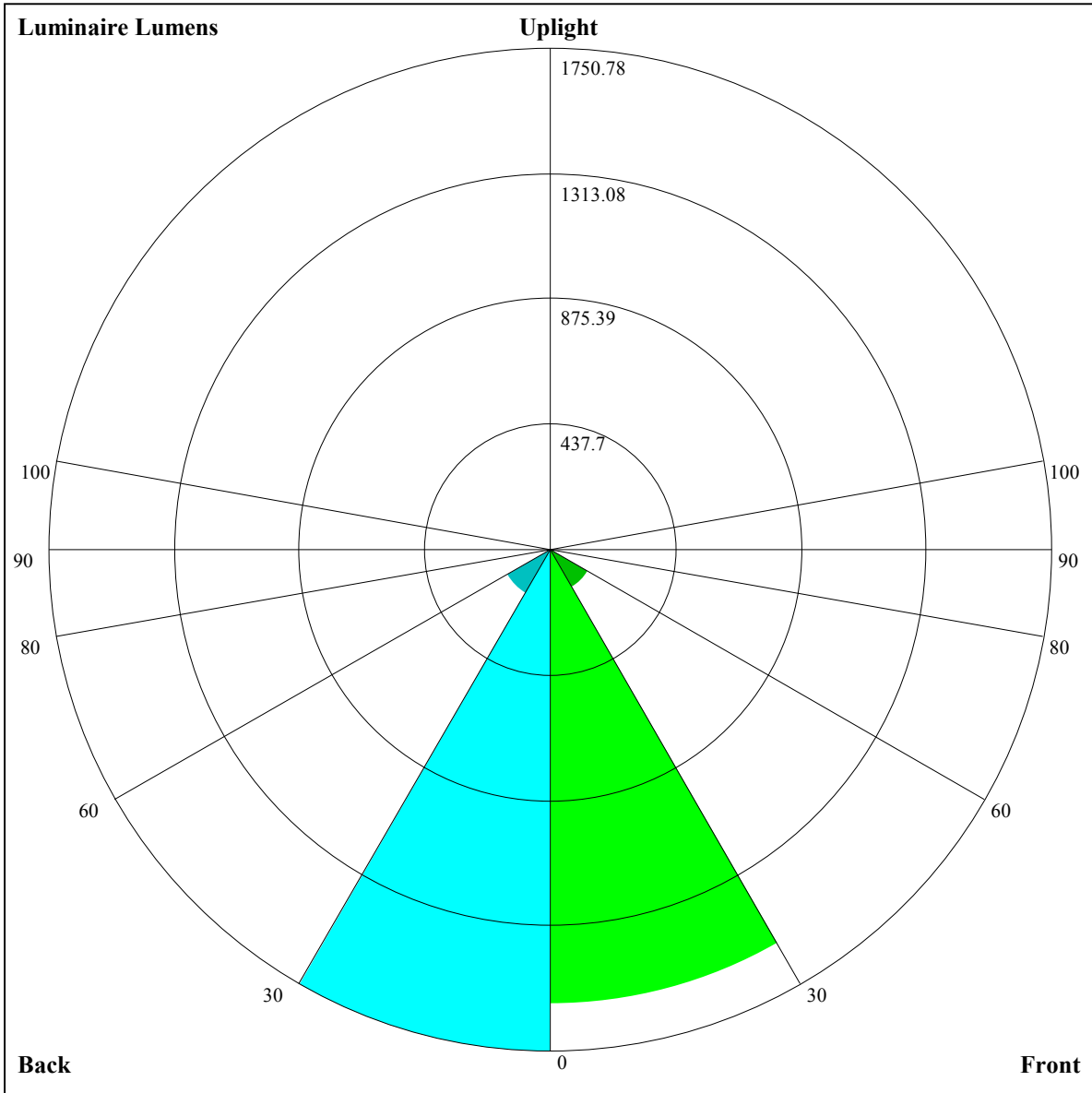
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.02	1.00	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.88
2	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.85
3	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.89	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.73
7	0.80	0.75	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.64





Luminaire Lumens:

FL=1589.04,FM=152.61,FH=12.84,FVH=1.58

BL=1750.78,BM=173.45,BH=13.5,BVH=1.72

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	18919.03	18300.58	17397.98	16211.22	14846.17	12756.81	10910.08	10910.08	9455.89
45.0	19314.62	19091.75	18595.88	17776.85	16690.38	15358.76	14472.87	12311.08	11352.76
90.0	19125.18	18896.74	17910.57	17292.12	16027.36	14595.45	10832.66	10213.63	9916.13
135.0	19303.47	19336.90	19102.89	18612.59	17810.28	16684.81	15297.47	13787.56	12210.79
180.0	18919.03	19253.33	19297.90	19097.32	18623.73	17843.71	16801.81	15486.91	13988.14
225.0	19314.62	19242.19	18913.46	18367.44	17503.84	16400.66	15035.61	12935.11	10732.89
270.0	19125.18	19309.04	19236.61	18896.74	18278.29	17397.98	16289.22	14963.18	13481.12
315.0	19303.47	18997.03	18423.16	17570.70	16450.80	15158.18	13726.28	10390.82	10390.82
360.0	18919.03	18300.58	17397.98	16211.22	14846.17	12756.81	10910.08	10910.08	9455.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8125.37	6976.52	6060.56	5326.79	4746.18	4253.09	3835.22	3484.79	3162.74
45.0	9842.85	7954.07	7252.05	6243.58	5452.41	4811.68	4293.52	3864.50	3485.63
90.0	8503.14	7260.67	6229.39	5417.04	4762.90	4257.04	3828.55	3469.76	3149.91
135.0	10628.45	9124.11	7770.21	6644.74	6082.01	5028.97	4677.96	4193.23	3630.49
180.0	12433.66	10868.03	9346.98	8243.80	6845.32	5931.57	5324.27	4700.24	4209.94
225.0	10128.95	9258.10	7927.06	6790.97	5901.19	5190.28	4621.98	4142.82	3741.66
270.0	11982.36	10466.88	9018.25	7714.49	6605.74	5747.71	5067.97	4521.95	4065.08
315.0	9532.21	8194.49	7024.98	6084.53	5347.39	4770.15	4286.00	3873.70	3513.22
360.0	8125.37	6976.52	6060.56	5326.79	4746.18	4253.09	3835.22	3484.79	3162.74
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2869.12	2600.58	2348.76	2118.64	1916.38	1761.47	1613.83	1487.36	1262.81
45.0	3145.76	2844.89	2844.89	2326.99	2094.67	1925.84	1719.16	1570.36	1443.89
90.0	2915.38	2646.84	2345.39	2154.27	1936.98	1769.31	1623.87	1467.86	1103.55
135.0	3418.77	3095.62	2800.32	2800.32	2301.92	2066.23	1860.08	1706.86	1557.58
180.0	3786.50	3429.91	3101.19	2811.46	2811.46	2315.33	2084.63	1882.37	1726.94
225.0	3380.61	3060.77	2771.04	2500.82	2254.56	2022.82	1826.65	1668.44	1516.90
270.0	3669.49	3340.77	3039.90	2817.03	2817.03	2322.53	2095.25	1889.10	1731.41
315.0	3194.49	2907.02	2639.58	2370.46	2222.82	1911.91	1804.94	1656.19	1453.35
360.0	2869.12	2600.58	2348.76	2118.64	1916.38	1761.47	1613.83	1487.36	1262.81
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1092.93	1034.38	884.52	736.98	597.32	465.70	350.01	257.82	202.42
45.0	1286.20	1137.45	991.49	851.09	715.69	581.97	456.61	347.96	294.46
90.0	1072.01	1009.41	856.09	706.91	564.52	435.38	367.99	245.52	199.16
135.0	1402.10	1247.20	1090.09	967.52	817.08	670.54	530.15	403.68	300.03
180.0	1579.87	1429.96	1331.36	1115.17	963.63	872.80	726.26	585.34	455.51
225.0	1365.89	1062.76	1062.76	941.29	798.06	658.87	526.83	405.52	303.71
270.0	1594.33	1448.36	1291.78	1135.24	978.66	825.44	734.61	534.61	405.89
315.0	1358.64	1031.38	1031.38	879.37	726.52	581.92	452.14	336.40	246.15
360.0	1092.93	1034.38	884.52	736.98	597.32	465.70	350.01	257.82	202.42
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	177.35	157.16	138.92	123.05	114.11	96.50	89.78	79.79	68.86
45.0	294.46	179.29	158.27	140.81	131.41	116.53	99.50	93.40	83.63
90.0	184.28	157.42	147.18	130.93	116.43	104.23	93.61	83.99	76.27
135.0	300.03	189.96	168.31	149.22	132.04	116.58	102.76	91.25	81.05
180.0	340.71	301.71	220.39	169.51	148.70	130.78	114.90	101.08	89.25
225.0	227.54	182.08	156.85	136.87	119.47	104.34	91.20	80.05	70.59
270.0	338.50	298.40	211.67	154.06	134.67	118.53	104.28	91.77	81.16
315.0	191.27	163.63	144.60	134.51	113.01	99.92	92.93	82.73	74.01
360.0	177.35	157.16	138.92	123.05	114.11	96.50	89.78	79.79	68.86

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	64.23	57.87	53.19	48.04	44.15	40.79	37.69	34.85	32.48
45.0	75.43	68.23	61.87	56.82	52.25	47.83	44.31	41.21	38.06
90.0	69.12	62.44	57.71	53.30	48.88	45.62	42.63	39.37	36.79
135.0	75.85	65.60	61.39	55.40	48.94	46.31	42.47	39.58	36.79
180.0	79.00	70.28	65.91	56.56	53.30	48.78	44.47	40.58	37.69
225.0	62.76	58.61	50.20	45.52	43.26	39.37	36.11	33.80	31.54
270.0	71.91	64.34	57.77	51.67	47.31	43.63	39.89	36.90	35.64
315.0	66.81	59.82	54.14	49.72	45.68	41.94	39.16	36.37	33.59
360.0	64.23	57.87	53.19	48.04	44.15	40.79	37.69	34.85	32.48
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.49	28.44	26.65	25.49	24.34	23.07	21.97	21.29	20.13
45.0	35.43	33.06	31.27	29.28	27.70	26.60	25.18	24.34	23.18
90.0	35.01	32.59	30.54	29.28	27.49	26.44	25.07	23.81	22.65
135.0	33.96	31.80	29.96	28.12	26.44	25.39	24.44	23.39	22.34
180.0	34.90	32.17	30.01	28.33	26.81	25.28	24.28	23.39	22.44
225.0	29.22	27.60	26.12	24.55	23.34	22.39	21.45	20.55	19.50
270.0	33.27	30.33	29.38	27.96	26.33	25.02	24.02	23.07	21.92
315.0	31.27	29.54	27.70	26.18	25.02	24.13	23.44	21.81	20.87
360.0	30.49	28.44	26.65	25.49	24.34	23.07	21.97	21.29	20.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.98	17.66	15.98	14.77	13.46	12.19	11.04	10.20	9.41
45.0	21.97	20.60	19.19	17.77	16.19	14.77	13.19	11.93	10.99
90.0	21.18	19.55	18.08	16.56	14.93	13.56	12.25	11.04	10.09
135.0	21.55	20.60	19.34	18.55	17.14	15.93	15.03	13.93	12.30
180.0	21.50	20.71	19.76	18.61	17.50	16.87	15.03	14.30	13.25
225.0	18.87	17.77	16.71	15.72	15.03	13.82	12.30	11.56	10.62
270.0	20.76	19.76	18.61	17.24	16.03	14.77	13.35	12.25	11.25
315.0	20.34	19.03	17.77	16.40	14.93	13.56	12.62	11.46	10.51
360.0	18.98	17.66	15.98	14.77	13.46	12.19	11.04	10.20	9.41
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.62	7.94	7.36	6.73	6.20	5.73	5.20	4.73	4.21
45.0	10.09	9.20	8.36	7.62	6.89	6.41	5.83	5.26	4.73
90.0	9.15	8.30	7.52	6.89	6.20	5.73	5.47	4.73	4.21
135.0	11.25	10.35	9.41	8.52	7.88	7.36	6.73	6.15	5.68
180.0	11.93	10.78	9.88	8.94	7.99	7.25	6.62	6.04	5.57
225.0	9.78	8.94	8.30	7.67	7.10	6.57	6.04	5.57	5.10
270.0	10.25	9.41	8.94	8.25	7.36	6.99	6.47	5.94	5.41
315.0	9.78	8.99	8.36	7.78	7.25	6.68	6.15	5.62	5.15
360.0	8.62	7.94	7.36	6.73	6.20	5.73	5.20	4.73	4.21
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.84	3.47	3.10	2.79	2.47	2.21	1.94	1.58	1.52
45.0	4.31	3.89	3.42	3.05	2.68	2.26	2.00	1.73	1.37
90.0	3.78	3.42	3.15	2.79	2.47	2.16	1.94	1.73	1.58
135.0	5.20	4.73	4.26	3.73	3.31	2.94	2.68	2.31	1.94
180.0	5.05	4.63	3.99	3.57	3.21	2.79	2.52	2.16	1.84
225.0	4.63	4.15	3.73	3.26	2.94	2.68	2.31	2.00	1.79
270.0	4.84	4.26	3.89	3.42	3.10	2.73	2.37	2.16	1.84
315.0	4.78	4.31	3.94	3.47	3.21	2.84	2.52	2.26	1.94
360.0	3.84	3.47	3.10	2.79	2.47	2.21	1.94	1.58	1.52

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	1.47
45.0	1.37
90.0	1.58
135.0	1.31
180.0	1.58
225.0	1.58
270.0	1.58
315.0	1.26
360.0	1.47