



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

NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.412.00

Report No: 2024308-B016

Ballast type: AC

Test No: 2024308-C016

Voltage(V): 0.000

LampCAT: BRIDGELUX V13B LES13

Current(A): 0.000

Lamp flux(lm): 2653.0

Power (W): 0.000

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2187.87, Efficiency(%): 82.47% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 4925.167, Maximum intensity(cd): 4925.167

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=64.8

[C90/270]Total=64.8

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.47%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.203%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4925.166	0.000	0	0.00%	0.00%
1.0	4917.338	4.709	4.709	0.18%	0.22%
2.0	4895.100	14.084	18.793	0.53%	0.86%
3.0	4855.012	23.319	42.112	0.88%	1.92%
4.0	4794.368	32.300	74.412	1.22%	3.40%
5.0	4714.485	40.907	115.318	1.54%	5.27%
6.0	4615.070	49.029	164.348	1.85%	7.51%
7.0	4504.170	56.603	220.951	2.13%	10.10%
8.0	4367.227	63.491	284.442	2.39%	13.00%
9.0	4223.847	69.626	354.068	2.62%	16.18%
10.0	4065.690	75.017	429.085	2.83%	19.61%
11.0	3894.219	79.536	508.621	3.00%	23.25%
12.0	3719.456	83.228	591.849	3.14%	27.05%
13.0	3533.647	86.076	677.925	3.24%	30.99%
14.0	3339.938	87.981	765.906	3.32%	35.01%
15.0	3150.325	89.101	855.008	3.36%	39.08%
16.0	2949.300	89.377	944.384	3.37%	43.16%
17.0	2755.883	88.845	1033.229	3.35%	47.23%
18.0	2555.151	87.567	1120.797	3.30%	51.23%
19.0	2366.489	85.626	1206.423	3.23%	55.14%
20.0	2162.245	82.888	1289.311	3.12%	58.93%
21.0	1974.754	79.439	1368.75	2.99%	62.56%
22.0	1773.239	75.318	1444.068	2.84%	66.00%
23.0	1590.561	70.582	1514.649	2.66%	69.23%
24.0	1420.817	65.840	1580.489	2.48%	72.24%
25.0	1291.592	61.674	1642.163	2.32%	75.06%
26.0	1147.253	57.569	1699.732	2.17%	77.69%
27.0	1027.209	53.199	1752.931	2.01%	80.12%
28.0	916.418	49.209	1802.14	1.85%	82.37%
29.0	810.712	45.187	1847.326	1.70%	84.43%
30.0	703.177	40.875	1888.201	1.54%	86.30%
31.0	608.758	36.509	1924.71	1.38%	87.97%
32.0	520.989	32.366	1957.076	1.22%	89.45%
33.0	443.132	28.403	1985.479	1.07%	90.75%
34.0	371.918	24.666	2010.145	0.93%	91.88%
35.0	313.739	21.294	2031.439	0.80%	92.85%
36.0	256.577	18.159	2049.598	0.68%	93.68%
37.0	209.211	15.191	2064.79	0.57%	94.37%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	173.695	12.781	2077.571	0.48%	94.96%
39.0	134.946	10.535	2088.105	0.40%	95.44%
40.0	98.340	8.136	2096.241	0.31%	95.81%
41.0	77.850	6.274	2102.515	0.24%	96.10%
42.0	62.122	5.085	2107.601	0.19%	96.33%
43.0	51.895	4.224	2111.824	0.16%	96.52%
44.0	43.768	3.611	2115.435	0.14%	96.69%
45.0	38.413	3.158	2118.593	0.12%	96.83%
46.0	34.609	2.856	2121.449	0.11%	96.96%
47.0	31.258	2.620	2124.069	0.10%	97.08%
48.0	28.874	2.431	2126.499	0.09%	97.20%
49.0	26.737	2.284	2128.783	0.09%	97.30%
50.0	24.945	2.155	2130.938	0.08%	97.40%
51.0	23.460	2.048	2132.986	0.08%	97.49%
52.0	22.202	1.959	2134.945	0.07%	97.58%
53.0	21.105	1.884	2136.829	0.07%	97.67%
54.0	20.102	1.816	2138.645	0.07%	97.75%
55.0	19.254	1.757	2140.402	0.07%	97.83%
56.0	18.493	1.706	2142.108	0.06%	97.91%
57.0	17.886	1.663	2143.771	0.06%	97.98%
58.0	17.301	1.627	2145.398	0.06%	98.06%
59.0	16.803	1.594	2146.993	0.06%	98.13%
60.0	16.379	1.568	2148.56	0.06%	98.20%
61.0	15.999	1.545	2150.106	0.06%	98.27%
62.0	15.691	1.527	2151.633	0.06%	98.34%
63.0	15.377	1.511	2153.144	0.06%	98.41%
64.0	15.106	1.496	2154.639	0.06%	98.48%
65.0	14.938	1.487	2156.126	0.06%	98.55%
66.0	14.828	1.485	2157.611	0.06%	98.62%
67.0	14.726	1.486	2159.097	0.06%	98.68%
68.0	14.572	1.484	2160.581	0.06%	98.75%
69.0	14.440	1.480	2162.062	0.06%	98.82%
70.0	14.228	1.472	2163.534	0.06%	98.89%
71.0	14.045	1.461	2164.995	0.06%	98.95%
72.0	13.811	1.448	2166.444	0.05%	99.02%
73.0	13.541	1.430	2167.874	0.05%	99.09%
74.0	13.211	1.406	2169.28	0.05%	99.15%
75.0	12.751	1.372	2170.652	0.05%	99.21%

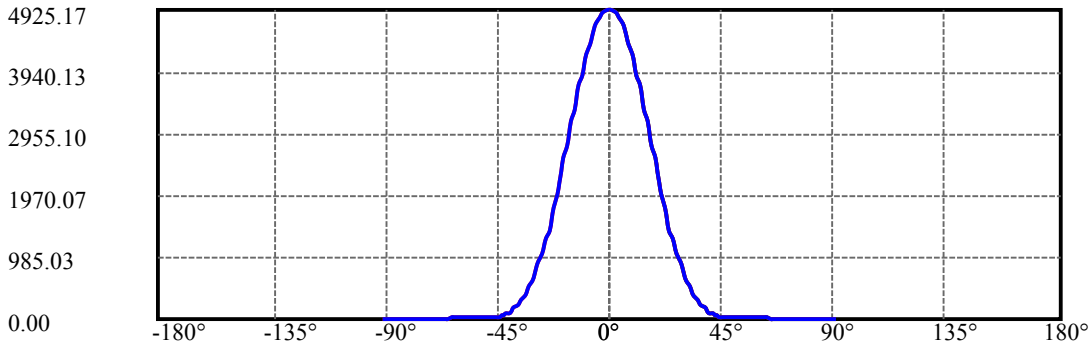
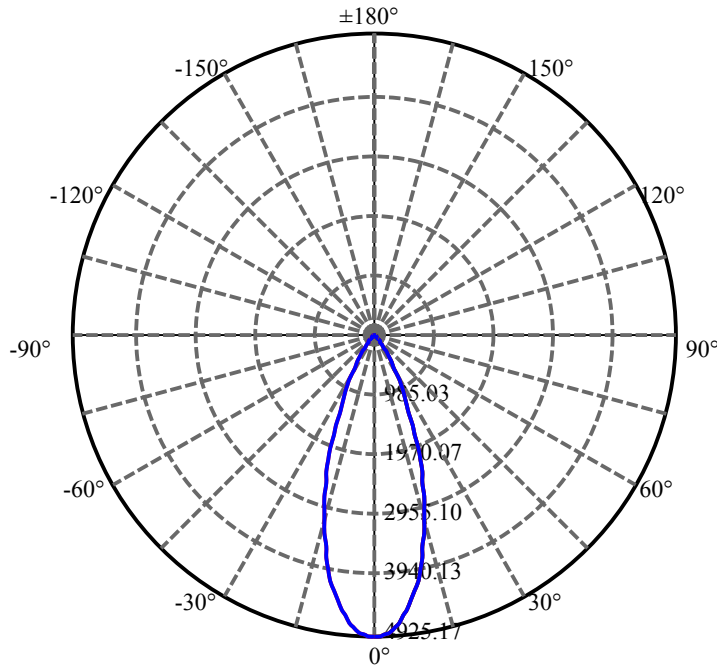
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.429	1.337	2171.989	0.05%	99.27%
77.0	12.136	1.310	2173.299	0.05%	99.33%
78.0	11.712	1.277	2174.575	0.05%	99.39%
79.0	11.441	1.244	2175.819	0.05%	99.45%
80.0	11.053	1.213	2177.032	0.05%	99.50%
81.0	10.739	1.178	2178.21	0.04%	99.56%
82.0	10.490	1.151	2179.362	0.04%	99.61%
83.0	10.278	1.129	2180.491	0.04%	99.66%
84.0	10.073	1.109	2181.599	0.04%	99.71%
85.0	9.846	1.087	2182.686	0.04%	99.76%
86.0	9.656	1.066	2183.752	0.04%	99.81%
87.0	9.481	1.047	2184.8	0.04%	99.86%
88.0	9.349	1.031	2185.831	0.04%	99.91%
89.0	9.298	1.022	2186.853	0.04%	99.95%
90.0	9.217	1.015	2187.868	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1888.20	71.17%	86.30%
0-40	2096.24	79.01%	95.81%
0-60	2148.56	80.99%	98.20%
0-90	2186.85	82.43%	99.95%
0-120	2186.85	82.43%	99.95%
0-180	2187.87	82.47%	100.00%
60-90	38.29	1.44%	1.75%
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%
0-26.95	1750.30	65.97%	80.00%

ZONAL LUMEN SUMMARY

0-10	429.08
10-20	860.23
20-30	598.89
30-40	208.04
40-50	34.70
50-60	17.62
60-70	14.97
70-80	13.50
80-90	9.82
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



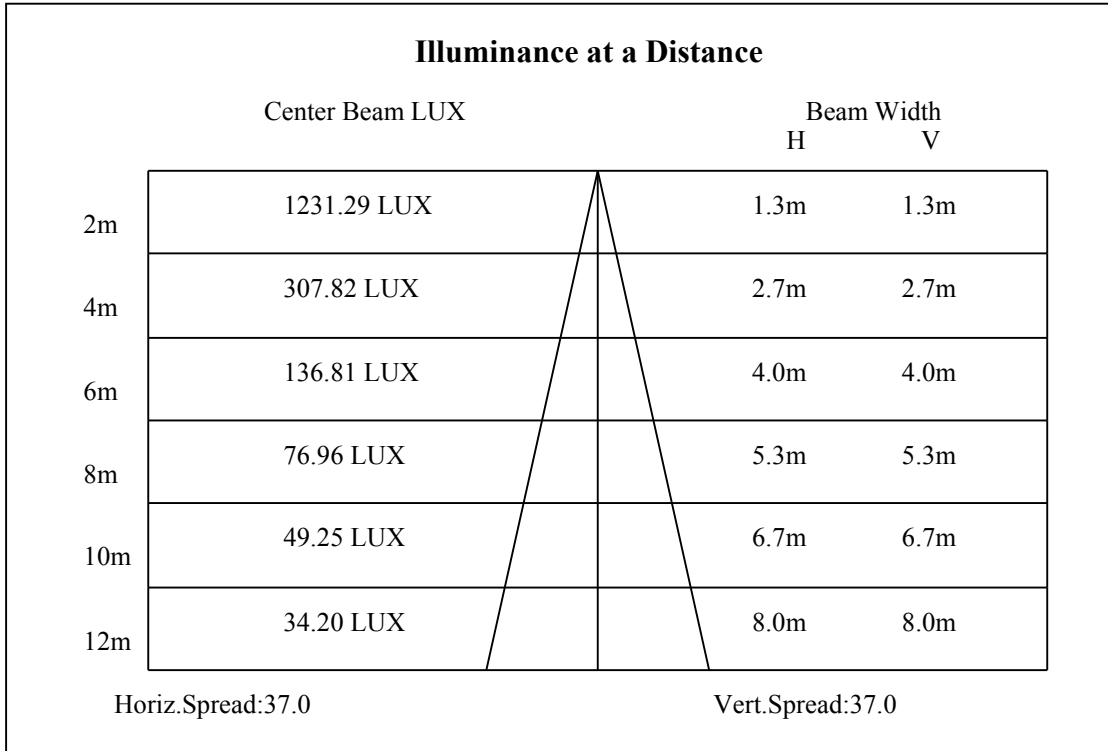
C0(Max): —————

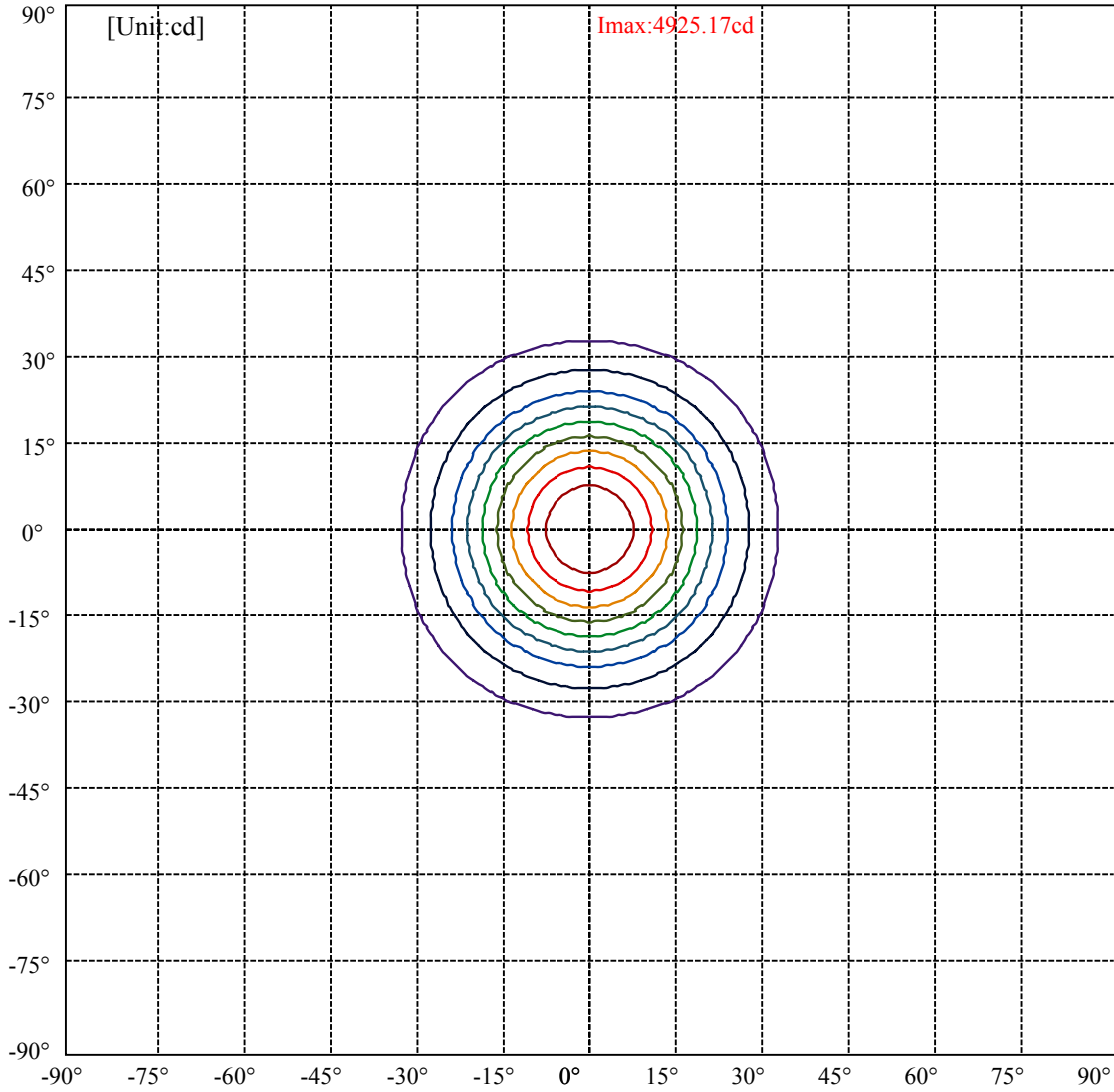
C0/C180: —————

C90/C270: —————

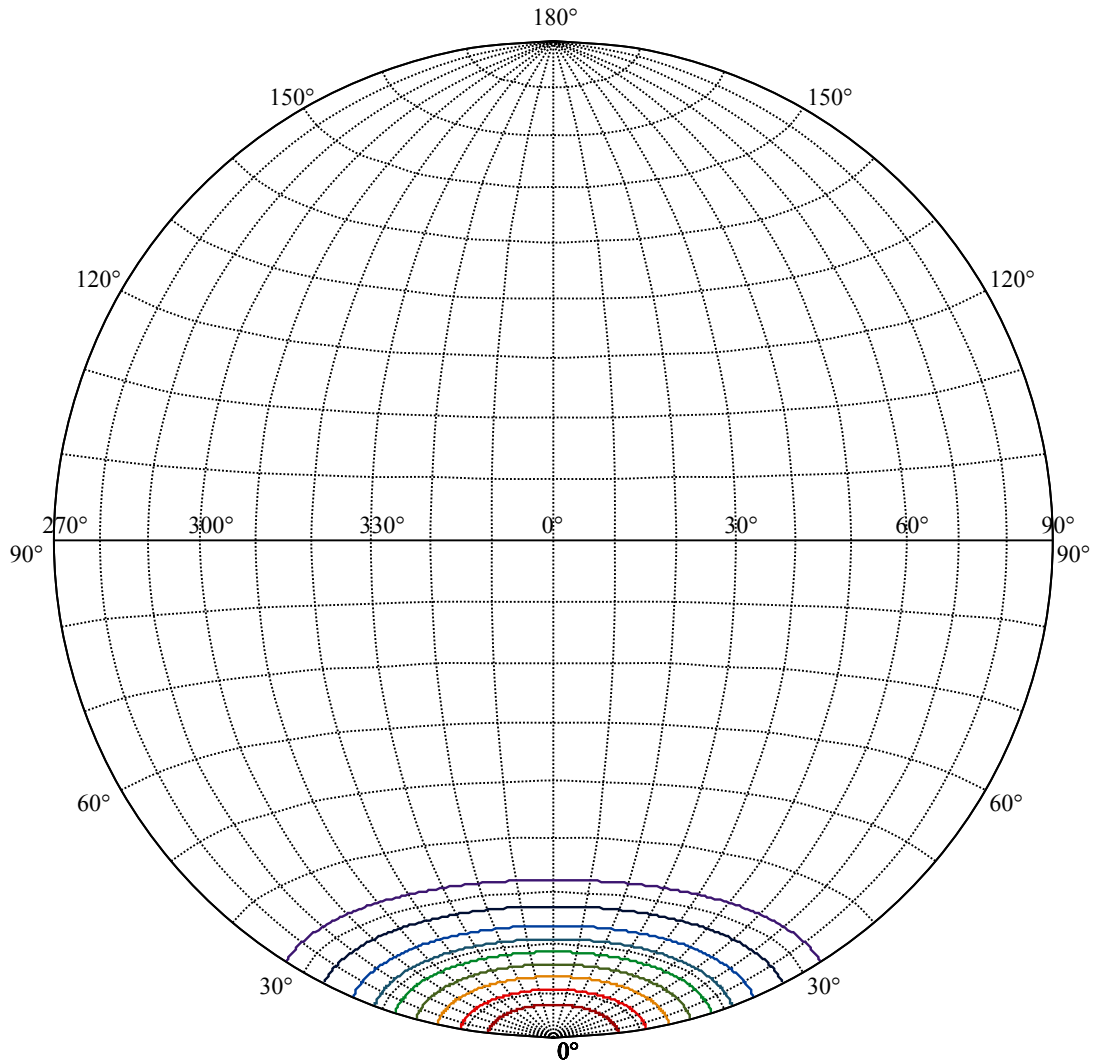
Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5





(10%Imax) 492.517	—
(20%Imax) 985.033	—
(30%Imax) 1477.55	—
(40%Imax) 1970.07	—
(50%Imax) 2462.58	—
(60%Imax) 2955.1	—
(70%Imax) 3447.62	—
(80%Imax) 3940.13	—
(90%Imax) 4432.65	—



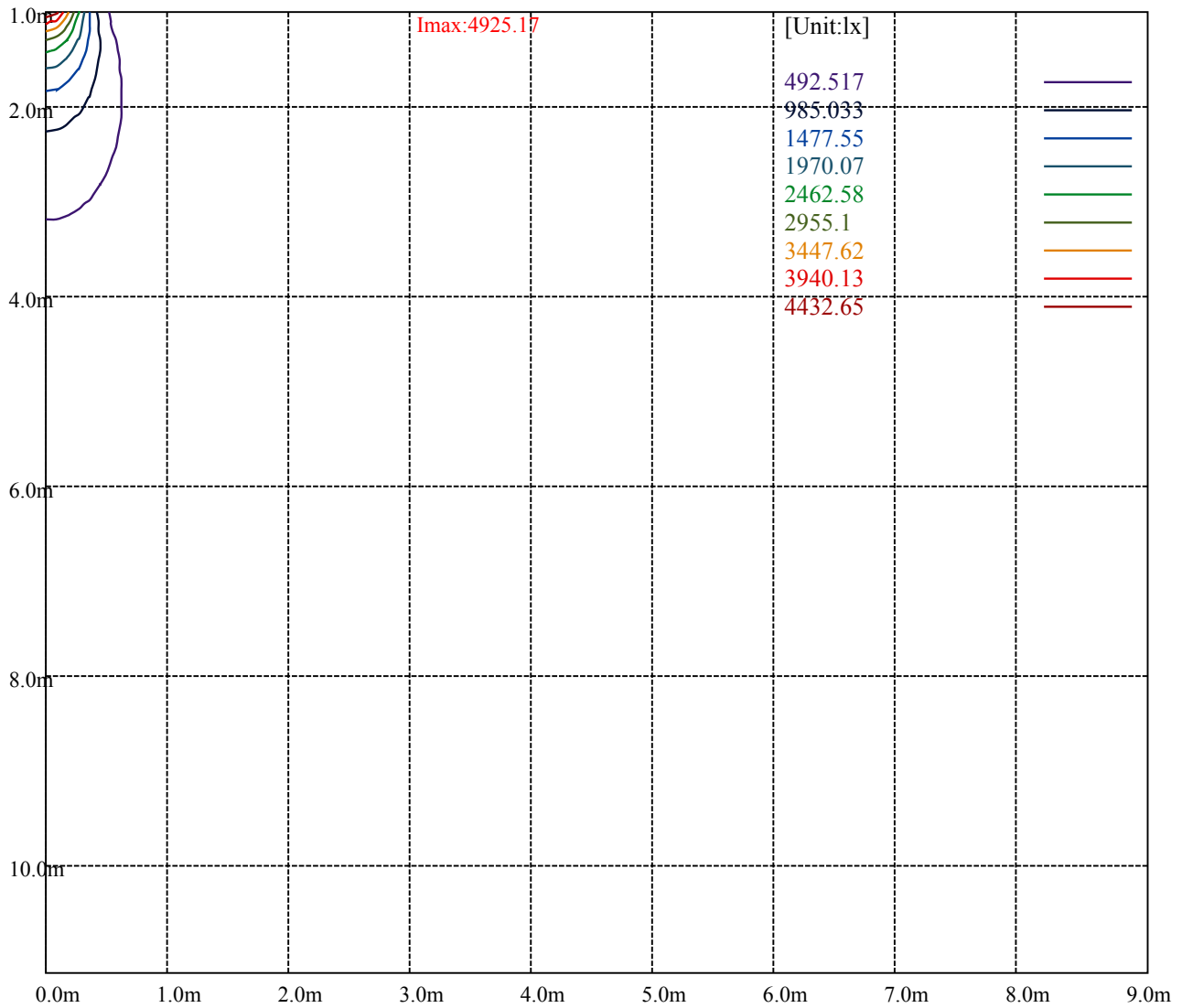
House

[Unit:cd]

Road

Imax:4925.17

(10%Imax) 492.517	—
(20%Imax) 985.033	—
(30%Imax) 1477.55	—
(40%Imax) 1970.07	—
(50%Imax) 2462.58	—
(60%Imax) 2955.1	—
(70%Imax) 3447.62	—
(80%Imax) 3940.13	—
(90%Imax) 4432.65	—



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

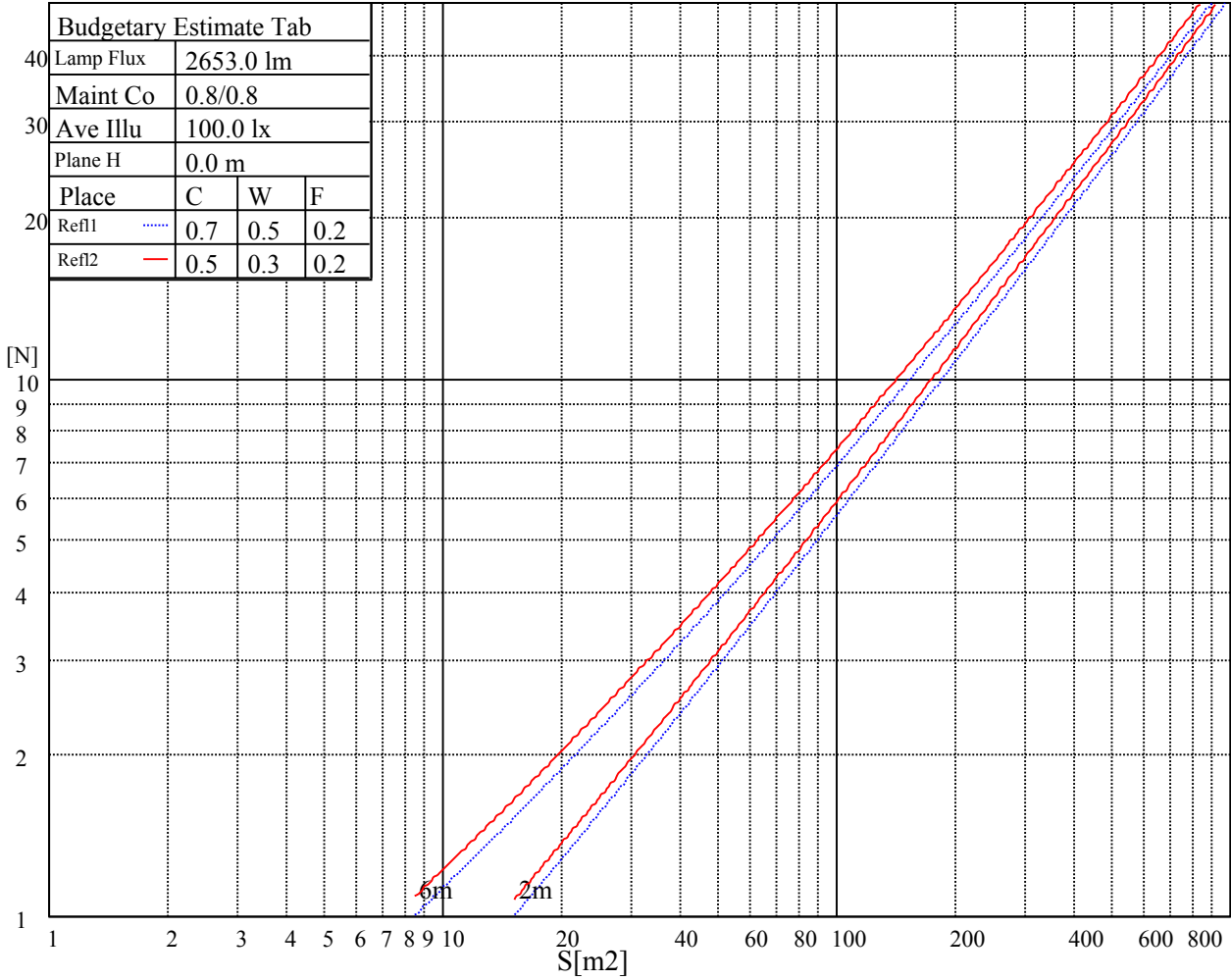
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

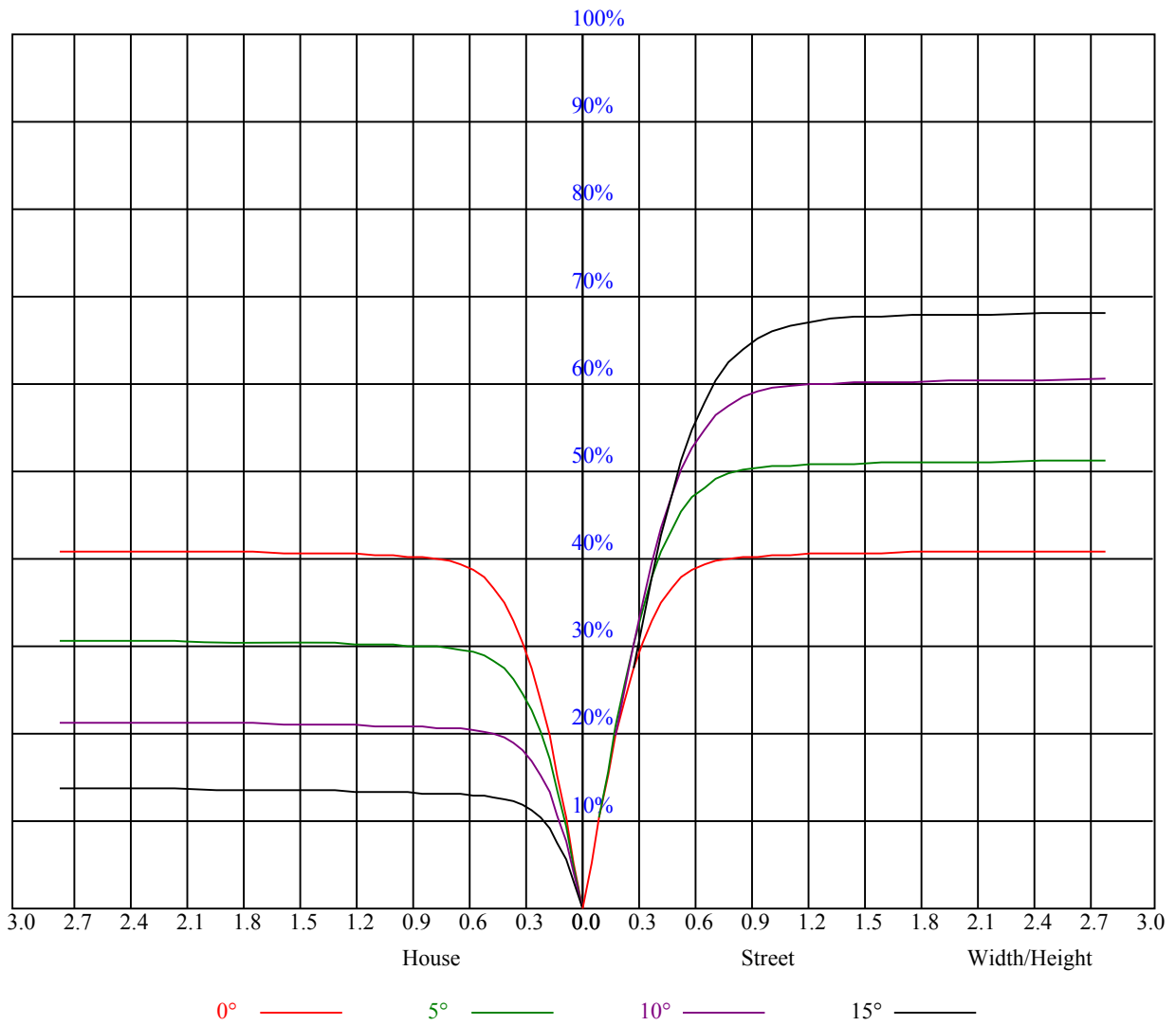


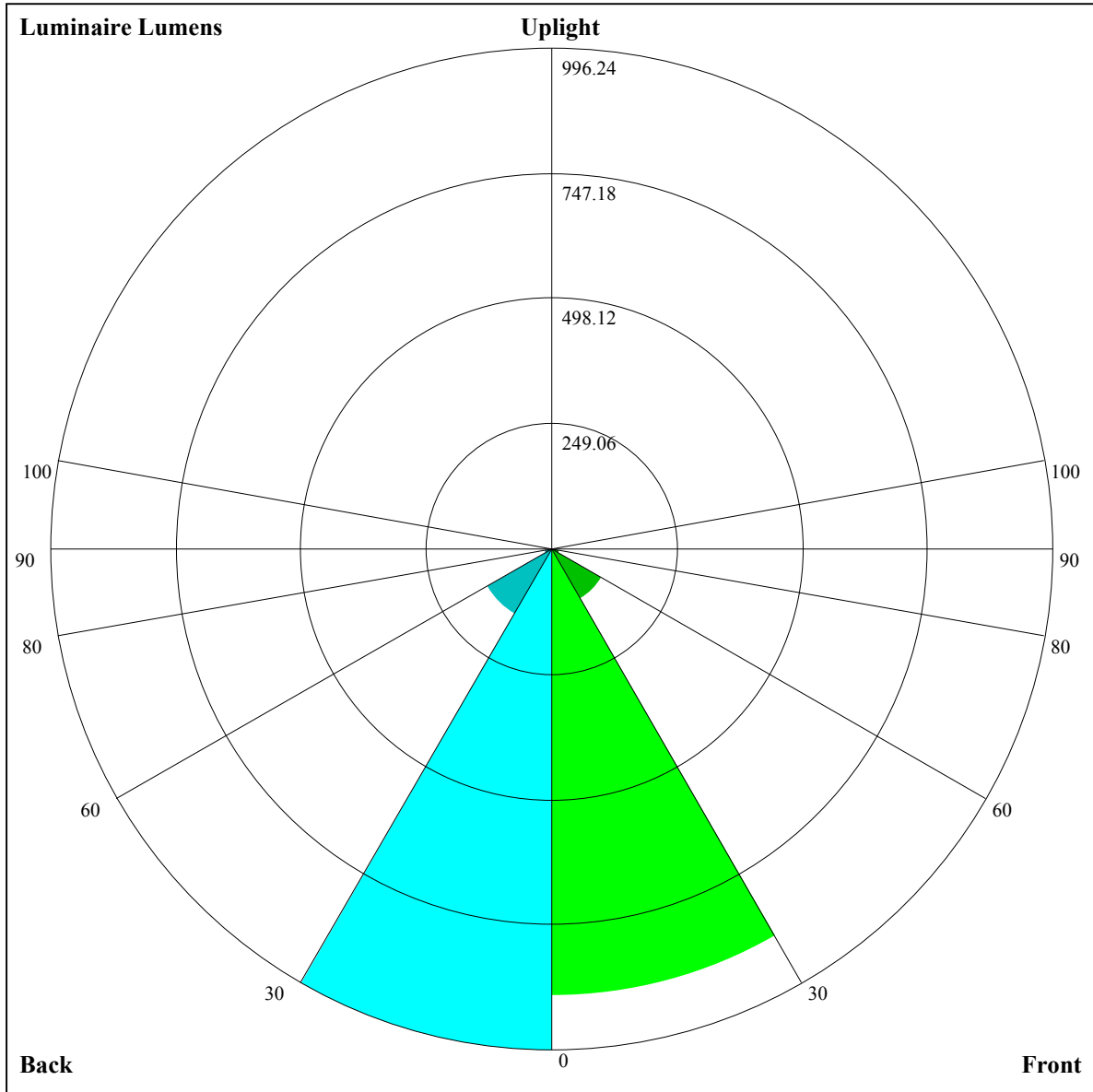
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.92	0.90	0.88	0.90	0.88	0.87	0.87	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=890.42,FM=113.89,FH=14.38,FVH=5.37

BL=996.24,BM=148.99,BH=14.13,BVH=5.47

UL=0,UH=0

BUG Rating:B2-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	4901.90	4853.33	4801.24	4712.88	4591.73	4447.77	4319.60	4163.93	4004.75
45.0	4933.51	4908.34	4869.13	4814.12	4735.11	4637.97	4498.10	4372.27	4232.41
90.0	4920.63	4884.93	4839.28	4773.15	4677.18	4575.35	4427.87	4302.05	4152.23
135.0	4944.62	4942.28	4918.87	4881.42	4831.68	4756.18	4666.64	4571.25	4422.60
180.0	4901.90	4929.99	4946.38	4947.55	4930.58	4898.39	4849.82	4780.76	4674.84
225.0	4933.51	4946.38	4941.11	4915.95	4886.10	4814.70	4738.63	4651.43	4519.75
270.0	4920.63	4938.77	4939.94	4928.24	4894.30	4861.52	4792.47	4702.93	4575.35
315.0	4944.62	4934.68	4904.83	4866.79	4808.27	4723.99	4627.43	4488.73	4355.89
360.0	4901.90	4853.33	4801.24	4712.88	4591.73	4447.77	4319.60	4163.93	4004.75
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3798.75	3629.04	3456.40	3272.05	3038.55	2851.86	2666.93	2479.66	2249.08
45.0	4041.04	3874.25	3705.12	3486.83	3311.85	3122.82	2933.79	2699.70	2515.94
90.0	3991.88	3783.54	3613.82	3443.52	3217.04	3028.01	2838.98	2610.75	2426.99
135.0	4293.27	4142.28	3948.57	3785.29	3614.41	3394.36	3205.34	2972.42	2787.49
180.0	4582.96	4473.52	4308.48	4160.42	3966.71	3799.92	3627.87	3449.37	3227.57
225.0	4399.78	4261.08	4069.13	3913.46	3754.28	3545.94	3363.93	3180.76	3002.26
270.0	4467.08	4341.26	4193.78	3999.49	3842.06	3674.10	3449.96	3267.37	3084.19
315.0	4216.02	4020.55	3858.45	3694.58	3524.28	3302.48	3115.80	2934.38	2753.54
360.0	3798.75	3629.04	3456.40	3272.05	3038.55	2851.86	2666.93	2479.66	2249.08
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2065.90	1887.41	1676.14	1516.38	1167.17	1167.17	1077.17	963.28	829.91
45.0	2328.67	2145.49	1923.11	1751.05	1588.94	1400.50	1261.22	1103.21	984.41
90.0	2245.57	2020.26	1844.10	1675.56	1515.79	1137.62	1137.62	1075.64	965.97
135.0	2601.97	2421.13	2192.90	2012.06	1837.67	1674.39	1477.17	1337.88	1205.04
180.0	3051.42	2864.73	2665.17	2443.37	2266.05	2085.22	1906.14	1689.60	1537.44
225.0	2769.93	2581.49	2398.90	2218.65	1992.16	1821.86	1660.34	1471.90	1140.43
270.0	2863.56	2682.14	2452.74	2264.29	2076.44	1895.02	1683.75	1528.08	1382.36
315.0	2514.19	2329.25	2144.91	1916.67	1741.69	1542.71	1163.13	1163.13	1132.47
360.0	2065.90	1887.41	1676.14	1516.38	1167.17	1167.17	1077.17	963.28	829.91
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	731.12	640.24	553.04	453.43	382.27	320.59	265.69	204.19	162.99
45.0	872.63	770.21	653.17	567.14	488.72	414.40	335.98	307.30	307.30
90.0	830.55	735.98	642.40	538.23	459.46	372.55	312.39	258.85	198.98
135.0	1053.46	941.10	839.86	718.13	629.18	545.49	447.17	378.70	317.84
180.0	1356.61	1219.67	1099.11	958.07	854.49	752.07	662.53	552.51	474.68
225.0	1140.43	1056.27	944.61	840.73	717.54	627.24	542.50	462.85	377.59
270.0	1246.59	1089.75	977.97	870.29	770.80	649.07	567.14	464.14	393.33
315.0	986.28	878.13	775.54	679.39	567.61	486.50	411.65	346.80	277.22
360.0	731.12	640.24	553.04	453.43	382.27	320.59	265.69	204.19	162.99
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	129.22	96.21	76.72	62.91	50.80	44.13	39.27	34.76	31.95
45.0	182.00	136.77	107.97	86.09	66.60	55.83	46.58	41.38	37.40
90.0	159.71	127.17	101.36	77.37	63.38	53.31	45.88	39.44	35.64
135.0	303.21	235.38	153.27	120.15	94.40	71.40	58.52	49.33	41.55
180.0	403.28	340.66	298.52	298.52	172.29	135.77	100.13	79.53	61.62
225.0	317.95	261.95	211.50	158.36	124.83	97.97	73.86	60.51	49.10
270.0	330.13	302.03	302.03	166.91	132.55	98.20	77.89	63.38	52.90
315.0	227.13	173.52	138.17	109.26	81.87	66.19	54.84	46.82	39.97
360.0	129.22	96.21	76.72	62.91	50.80	44.13	39.27	34.76	31.95

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	29.55	27.51	25.52	24.05	22.77	21.48	20.54	19.72	18.90
45.0	33.47	30.96	28.79	26.92	24.93	23.58	22.41	21.54	20.37
90.0	32.60	30.08	27.56	25.87	24.40	22.82	21.77	20.60	19.78
135.0	37.10	33.71	30.31	28.15	25.75	24.11	22.77	21.65	20.60
180.0	51.79	44.77	38.57	34.94	32.01	29.09	27.15	25.40	23.94
225.0	42.78	38.04	33.83	31.13	28.91	26.92	24.93	23.53	22.30
270.0	44.01	38.98	35.23	32.30	29.32	27.33	25.57	23.76	22.53
315.0	35.99	32.83	30.26	27.62	25.81	24.23	22.53	21.42	20.42
360.0	29.55	27.51	25.52	24.05	22.77	21.48	20.54	19.72	18.90
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.26	17.73	17.15	16.74	16.39	16.04	15.80	15.51	15.27
45.0	19.66	19.02	18.32	17.85	17.38	16.91	16.50	16.21	15.98
90.0	19.08	18.43	17.79	17.32	16.91	16.50	16.15	15.86	15.63
135.0	19.55	18.79	18.08	17.50	16.85	16.39	15.98	15.57	15.27
180.0	22.59	21.30	20.25	19.43	18.55	17.91	17.32	16.80	16.39
225.0	21.24	20.01	19.25	18.49	17.85	17.21	16.74	16.27	15.92
270.0	21.13	20.19	19.37	18.61	17.79	17.26	16.80	16.33	15.92
315.0	19.31	18.55	17.73	17.15	16.68	16.21	15.74	15.45	15.16
360.0	18.26	17.73	17.15	16.74	16.39	16.04	15.80	15.51	15.27
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.98	14.69	14.40	14.16	13.75	13.52	13.23	12.99	12.76
45.0	15.68	15.63	16.04	16.80	17.56	18.02	18.26	18.14	18.08
90.0	15.27	15.04	14.86	14.75	14.86	14.98	15.22	15.33	15.39
135.0	14.98	14.75	14.51	14.22	13.99	13.69	13.40	13.11	12.87
180.0	15.98	15.57	15.33	15.10	14.75	14.46	14.28	13.99	13.64
225.0	15.63	15.33	15.04	14.81	14.57	14.28	13.99	13.75	13.52
270.0	15.57	15.27	14.98	14.69	14.46	14.16	13.87	13.58	13.34
315.0	14.92	14.57	14.34	14.10	13.87	13.46	13.28	12.93	12.76
360.0	14.98	14.69	14.40	14.16	13.75	13.52	13.23	12.99	12.76
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.47	12.23	12.00	11.76	11.47	11.35	11.12	10.83	10.53
45.0	18.08	17.73	16.80	15.27	14.75	14.40	13.05	12.76	11.53
90.0	15.04	14.63	14.57	13.93	13.34	12.70	12.06	11.47	11.00
135.0	12.64	12.41	12.17	11.94	11.70	11.41	11.24	11.00	10.83
180.0	13.40	13.17	12.87	12.58	12.35	12.11	11.82	11.65	11.35
225.0	13.28	12.99	12.70	12.35	12.11	11.88	11.65	11.47	11.24
270.0	13.05	12.87	12.58	12.35	12.11	11.88	11.65	11.41	11.24
315.0	12.52	12.29	12.00	11.82	11.59	11.35	11.12	10.94	10.71
360.0	12.47	12.23	12.00	11.76	11.47	11.35	11.12	10.83	10.53
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.30	10.18	10.01	9.83	9.48	9.36	9.19	9.25	9.25
45.0	10.77	10.42	10.12	9.95	9.71	9.42	9.25	9.19	9.19
90.0	10.59	10.24	10.07	9.77	9.48	9.36	9.31	9.13	9.19
135.0	10.59	10.36	10.18	10.01	9.83	9.60	9.48	9.31	9.31
180.0	11.18	10.89	10.71	10.48	10.24	10.07	9.89	9.66	9.54
225.0	11.00	10.77	10.53	10.24	10.07	9.89	9.66	9.48	9.36
270.0	11.00	10.77	10.48	10.30	10.12	9.95	9.66	9.48	9.36
315.0	10.48	10.30	10.12	10.01	9.83	9.60	9.42	9.31	9.19
360.0	10.30	10.18	10.01	9.83	9.48	9.36	9.19	9.25	9.25

Intensity data(cd)

C/γ(°)	90.0
0.0	9.25
45.0	9.19
90.0	9.13
135.0	9.19
180.0	9.36
225.0	9.25
270.0	9.25
315.0	9.13
360.0	9.25