



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: 2-2678-L

Luminaire: 92.70.412.00

Report No: 2024308-B012

Ballast type: AC

Test No: 2024308-C012

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): 2250.52, Efficiency(%): 84.83% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 9019.107, Maximum intensity(cd): 9019.107

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.8

[C90/270]Total=21.8

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.112%

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	9019.107	0.000	0	0.00%	0.00%
1.0	8974.264	8.609	8.609	0.32%	0.38%
2.0	8850.270	25.583	34.193	0.96%	1.52%
3.0	8604.841	41.747	75.94	1.57%	3.37%
4.0	8304.182	56.600	132.54	2.13%	5.89%
5.0	7892.549	69.677	202.217	2.63%	8.99%
6.0	7401.180	80.373	282.59	3.03%	12.56%
7.0	6862.187	88.532	371.122	3.34%	16.49%
8.0	6229.340	93.694	464.816	3.53%	20.65%
9.0	5640.530	96.199	561.015	3.63%	24.93%
10.0	5006.732	96.354	657.369	3.63%	29.21%
11.0	4478.054	94.772	752.141	3.57%	33.42%
12.0	3923.334	91.839	843.98	3.46%	37.50%
13.0	3500.801	88.106	932.086	3.32%	41.42%
14.0	3102.921	84.527	1016.613	3.19%	45.17%
15.0	2757.200	80.450	1097.063	3.03%	48.75%
16.0	2471.610	76.617	1173.68	2.89%	52.15%
17.0	2220.110	73.063	1246.743	2.75%	55.40%
18.0	2014.622	69.822	1316.564	2.63%	58.50%
19.0	1832.032	66.924	1383.488	2.52%	61.47%
20.0	1663.341	63.975	1447.463	2.41%	64.32%
21.0	1493.955	60.626	1508.09	2.29%	67.01%
22.0	1394.247	58.040	1566.129	2.19%	69.59%
23.0	1277.744	56.066	1622.195	2.11%	72.08%
24.0	1177.890	53.689	1675.884	2.02%	74.47%
25.0	1103.800	51.881	1727.765	1.96%	76.77%
26.0	1025.453	50.261	1778.026	1.89%	79.01%
27.0	938.928	48.059	1826.085	1.81%	81.14%
28.0	860.427	45.556	1871.641	1.72%	83.16%
29.0	773.507	42.748	1914.389	1.61%	85.06%
30.0	693.536	39.610	1953.999	1.49%	86.82%
31.0	607.727	36.212	1990.211	1.36%	88.43%
32.0	525.049	32.453	2022.664	1.22%	89.88%
33.0	443.535	28.535	2051.199	1.08%	91.14%
34.0	371.289	24.659	2075.858	0.93%	92.24%
35.0	311.574	21.207	2097.065	0.80%	93.18%
36.0	259.160	18.172	2115.237	0.68%	93.99%
37.0	192.751	14.739	2129.976	0.56%	94.64%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	164.236	11.916	2141.892	0.45%	95.17%
39.0	116.950	9.598	2151.489	0.36%	95.60%
40.0	86.416	7.093	2158.582	0.27%	95.91%
41.0	65.838	5.422	2164.004	0.20%	96.16%
42.0	51.953	4.280	2168.283	0.16%	96.35%
43.0	42.502	3.499	2171.782	0.13%	96.50%
44.0	36.101	2.967	2174.749	0.11%	96.63%
45.0	31.507	2.598	2177.347	0.10%	96.75%
46.0	28.552	2.349	2179.696	0.09%	96.85%
47.0	26.540	2.191	2181.887	0.08%	96.95%
48.0	24.894	2.079	2183.966	0.08%	97.04%
49.0	23.855	2.002	2185.968	0.08%	97.13%
50.0	23.051	1.956	2187.924	0.07%	97.22%
51.0	22.517	1.928	2189.852	0.07%	97.30%
52.0	22.253	1.921	2191.773	0.07%	97.39%
53.0	22.143	1.931	2193.704	0.07%	97.48%
54.0	22.151	1.952	2195.656	0.07%	97.56%
55.0	22.268	1.983	2197.639	0.07%	97.65%
56.0	22.421	2.019	2199.659	0.08%	97.74%
57.0	22.575	2.057	2201.716	0.08%	97.83%
58.0	22.604	2.089	2203.805	0.08%	97.92%
59.0	22.480	2.108	2205.913	0.08%	98.02%
60.0	22.122	2.107	2208.02	0.08%	98.11%
61.0	21.536	2.083	2210.103	0.08%	98.20%
62.0	20.695	2.035	2212.138	0.08%	98.29%
63.0	19.759	1.967	2214.106	0.07%	98.38%
64.0	18.471	1.876	2215.982	0.07%	98.47%
65.0	17.381	1.774	2217.756	0.07%	98.54%
66.0	16.284	1.680	2219.436	0.06%	98.62%
67.0	15.523	1.599	2221.035	0.06%	98.69%
68.0	15.011	1.547	2222.582	0.06%	98.76%
69.0	14.726	1.517	2224.099	0.06%	98.83%
70.0	14.477	1.500	2225.599	0.06%	98.89%
71.0	14.162	1.480	2227.079	0.06%	98.96%
72.0	13.841	1.456	2228.535	0.05%	99.02%
73.0	13.585	1.434	2229.969	0.05%	99.09%
74.0	13.350	1.416	2231.385	0.05%	99.15%
75.0	12.992	1.392	2232.777	0.05%	99.21%

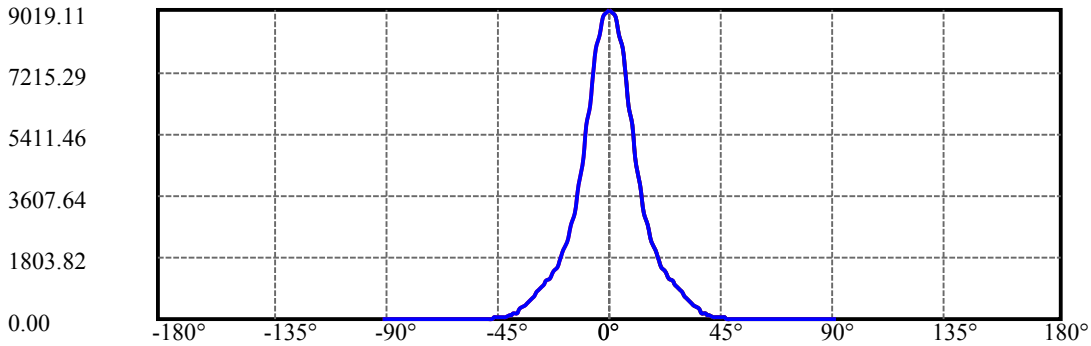
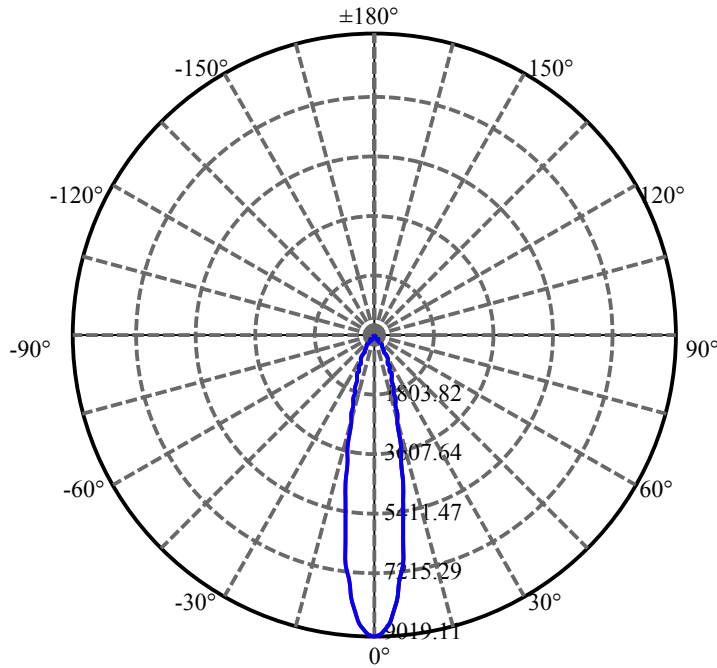
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.597	1.358	2234.135	0.05%	99.27%
77.0	12.392	1.332	2235.468	0.05%	99.33%
78.0	12.070	1.309	2236.777	0.05%	99.39%
79.0	11.792	1.282	2238.059	0.05%	99.45%
80.0	11.500	1.256	2239.315	0.05%	99.50%
81.0	11.185	1.227	2240.542	0.05%	99.56%
82.0	10.900	1.198	2241.739	0.05%	99.61%
83.0	10.636	1.171	2242.91	0.04%	99.66%
84.0	10.424	1.147	2244.057	0.04%	99.71%
85.0	10.154	1.123	2245.181	0.04%	99.76%
86.0	9.971	1.100	2246.281	0.04%	99.81%
87.0	9.766	1.080	2247.361	0.04%	99.86%
88.0	9.634	1.063	2248.423	0.04%	99.91%
89.0	9.532	1.051	2249.474	0.04%	99.95%
90.0	9.473	1.042	2250.516	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1954.00	73.65%	86.82%
0-40	2158.58	81.36%	95.91%
0-60	2208.02	83.23%	98.11%
0-90	2249.47	84.79%	99.95%
0-120	2249.47	84.79%	99.95%
0-180	2250.52	84.83%	100.00%
60-90	41.45	1.56%	1.84%
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%
0-26.47	1800.41	67.86%	80.00%

ZONAL LUMEN SUMMARY

0-10	657.37
10-20	790.09
20-30	506.54
30-40	204.58
40-50	29.34
50-60	20.10
60-70	17.58
70-80	13.72
80-90	10.16
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



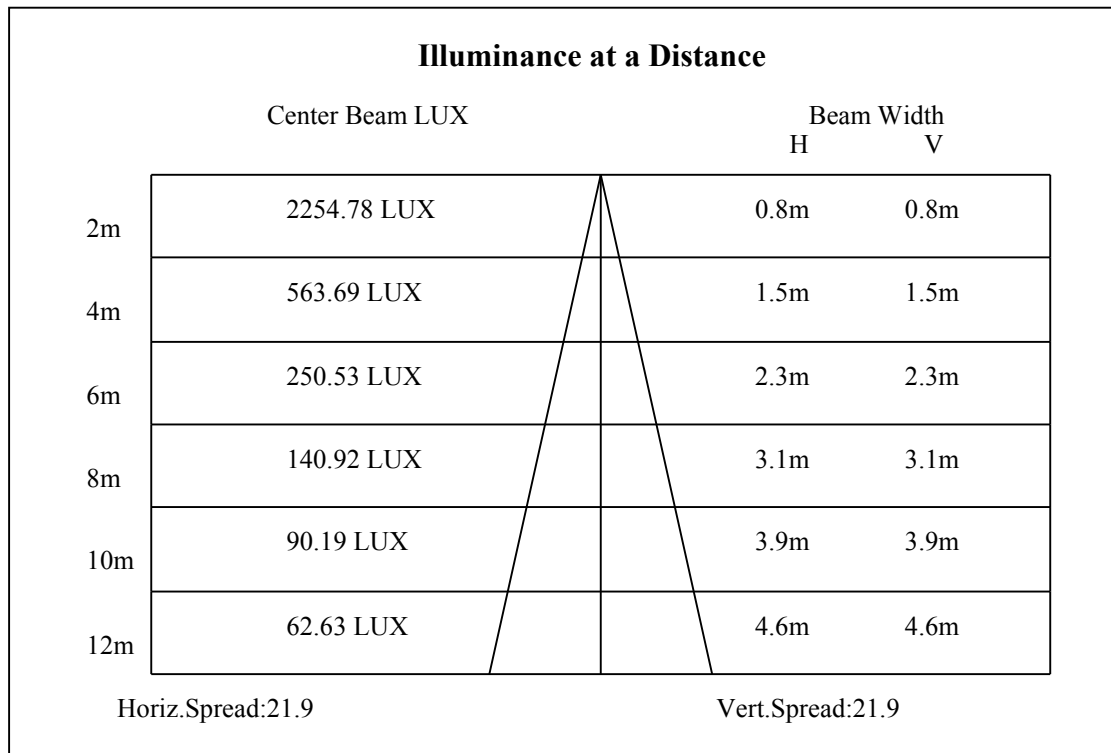
C0(Max): —————

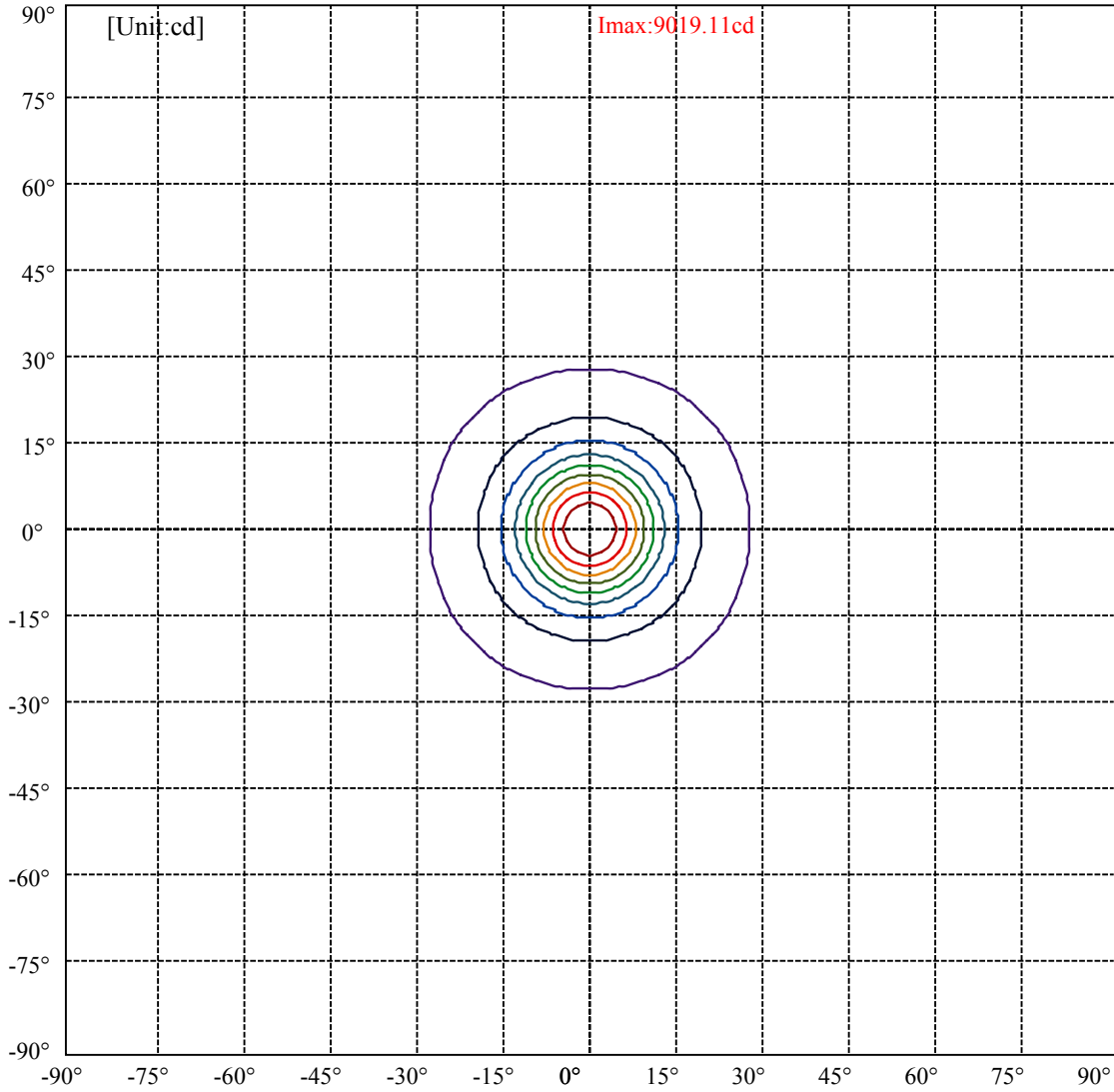
C0/C180: —————

C90/C270: —————

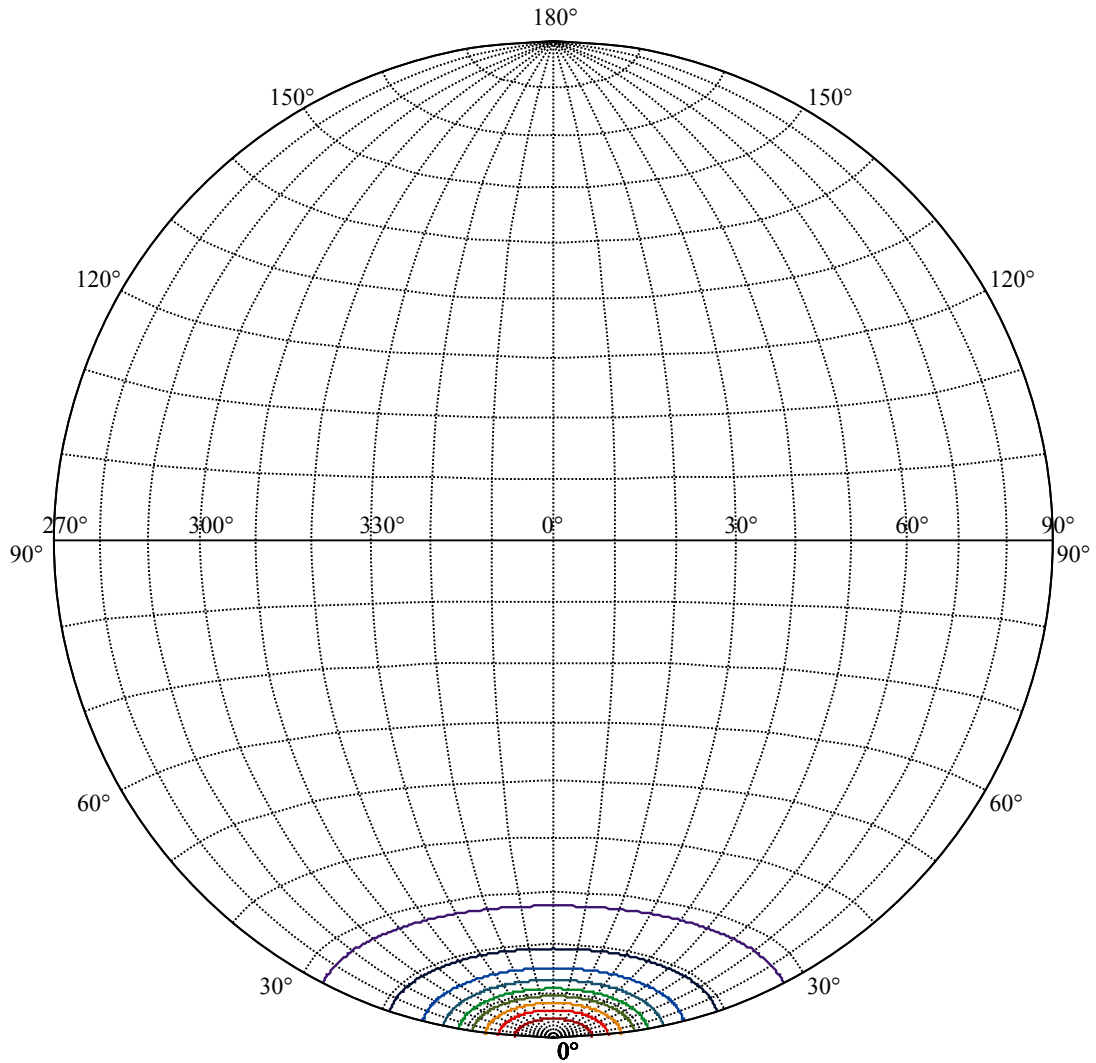
Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9





(10%Imax) 901.911	—
(20%Imax) 1803.82	—
(30%Imax) 2705.73	—
(40%Imax) 3607.64	—
(50%Imax) 4509.55	—
(60%Imax) 5411.46	—
(70%Imax) 6313.38	—
(80%Imax) 7215.29	—
(90%Imax) 8117.2	—



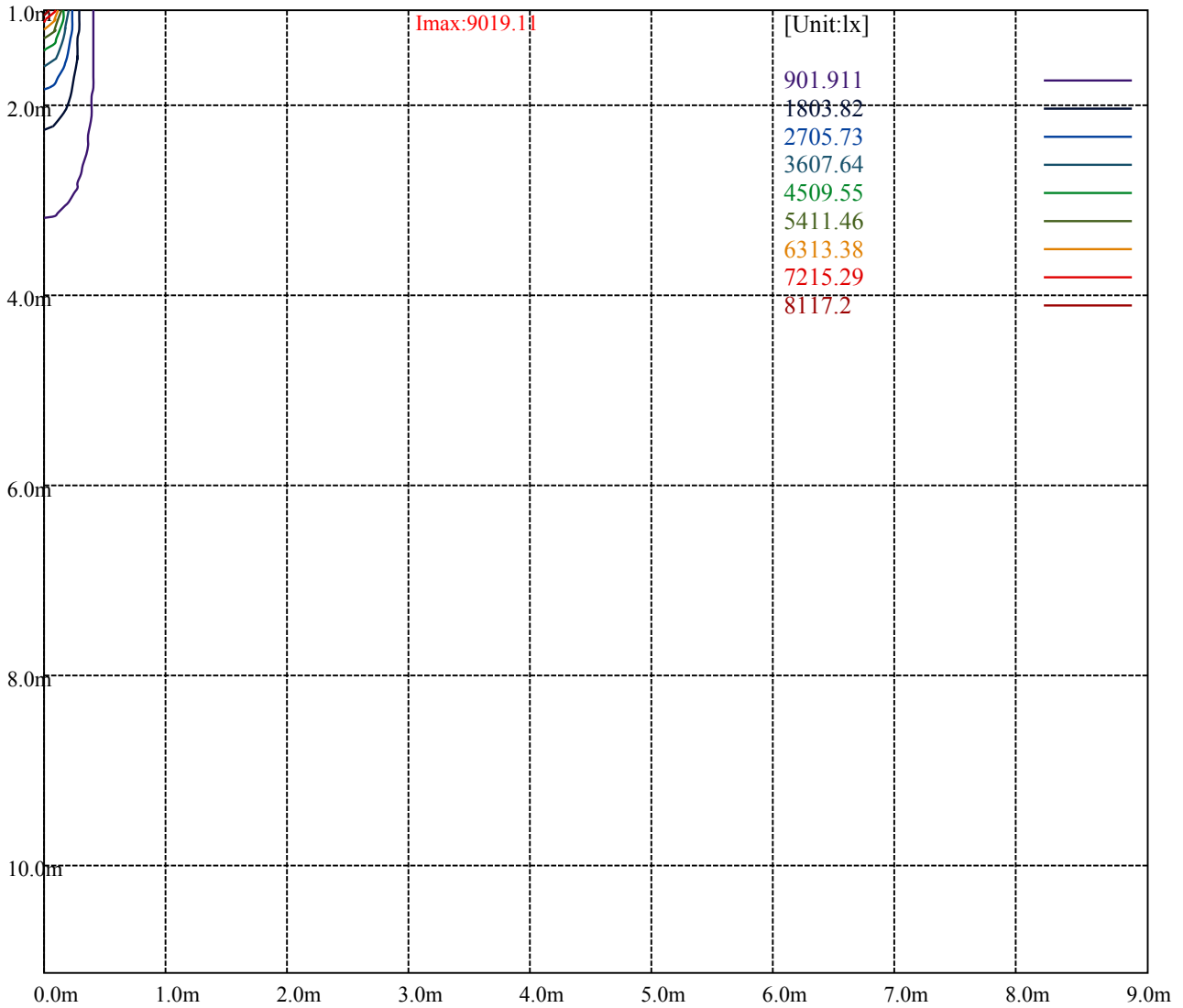
House

[Unit:cd]

Road

Imax:9019.11

(10%Imax)	901.911	—
(20%Imax)	1803.82	—
(30%Imax)	2705.73	—
(40%Imax)	3607.64	—
(50%Imax)	4509.55	—
(60%Imax)	5411.46	—
(70%Imax)	6313.38	—
(80%Imax)	7215.29	—
(90%Imax)	8117.2	—



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

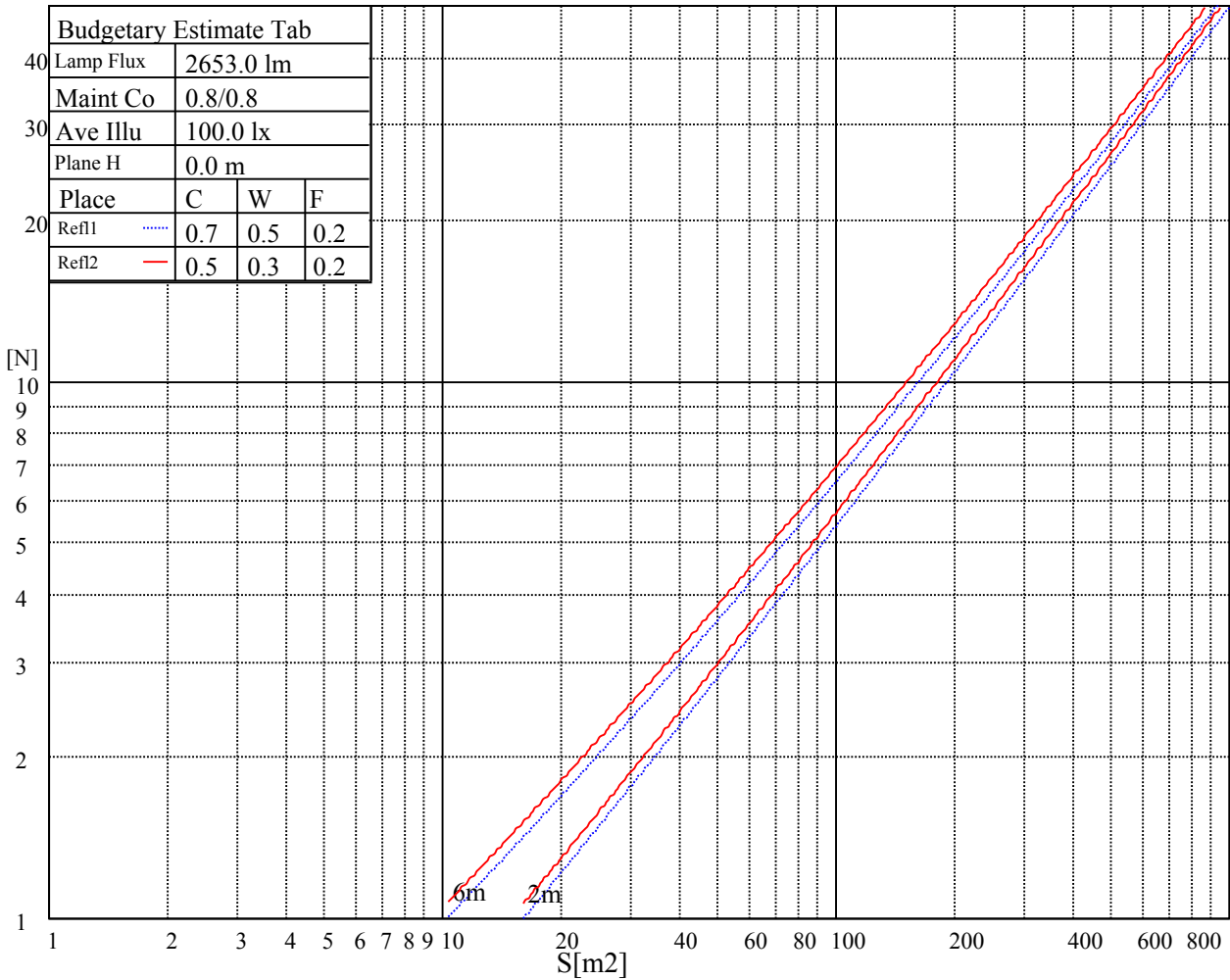
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

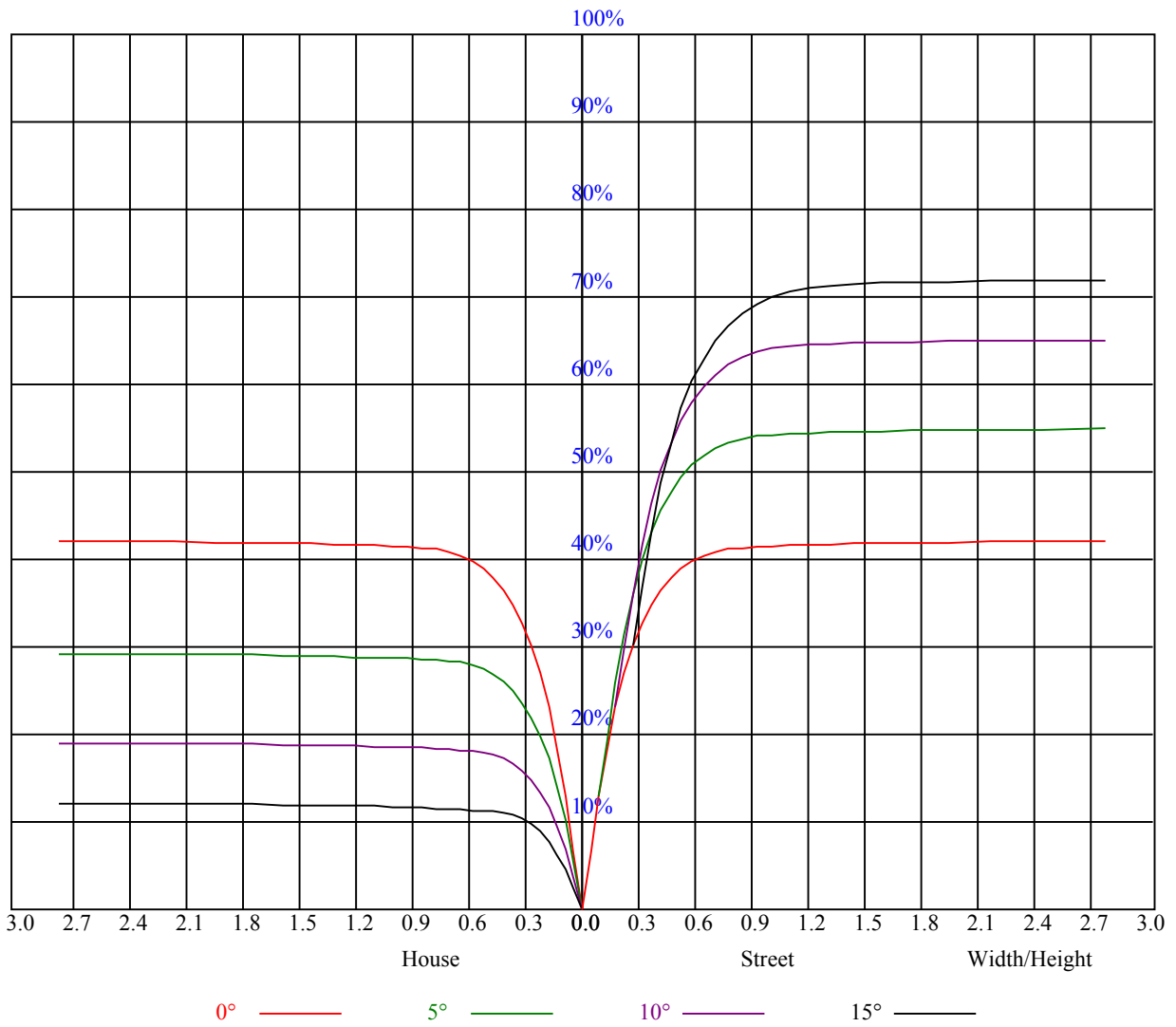


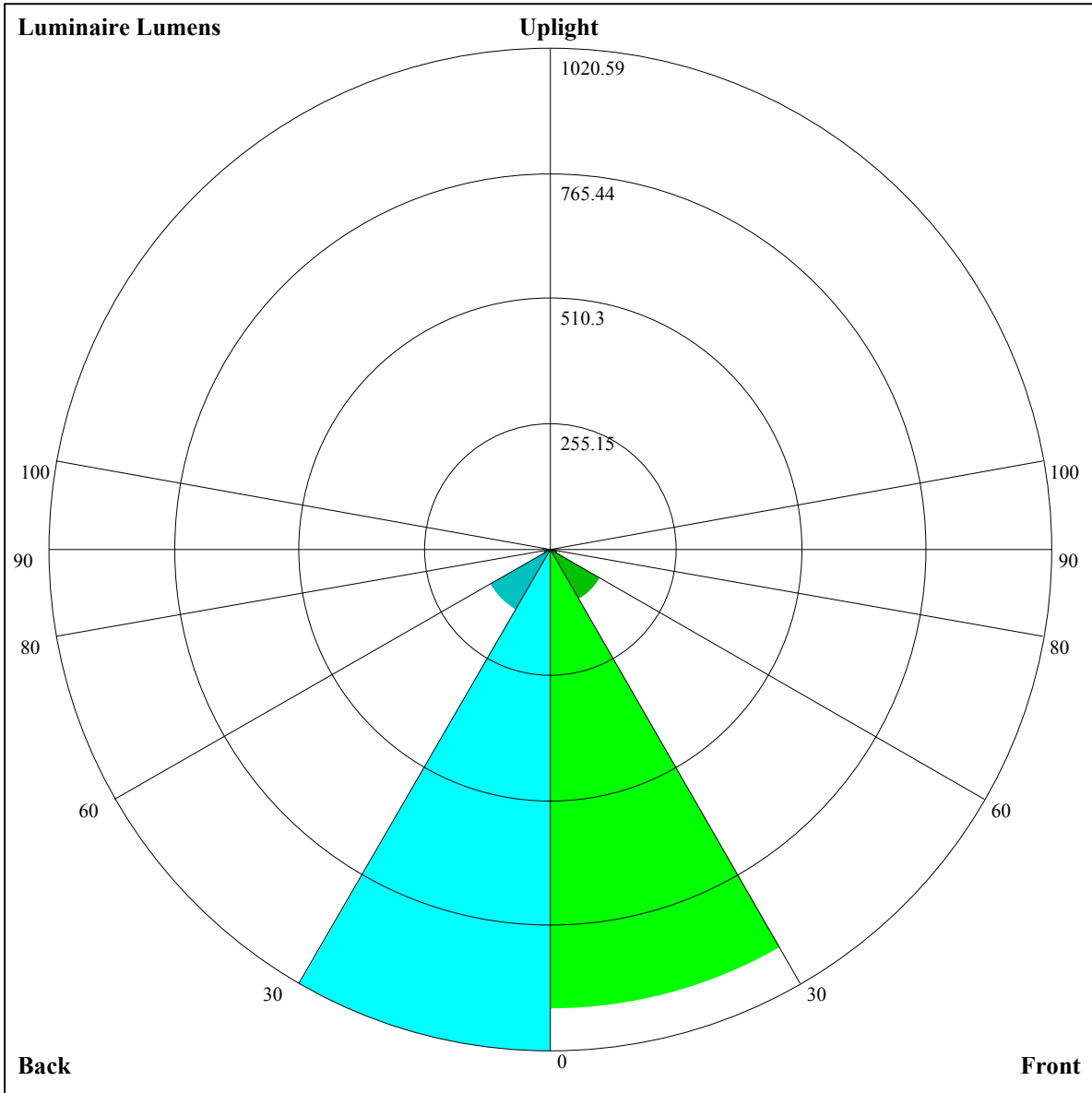
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.77	0.76	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
7	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
9	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=935.1,FM=115.97,FH=15.63,FVH=5.55

BL=1020.59,BM=140.68,BH=15.69,BVH=5.66

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	8976.82	8814.72	8551.95	8075.58	7609.15	7082.45	6352.09	5731.75	5121.95
45.0	9079.82	8960.44	8790.72	8467.09	8080.26	7612.67	7073.09	6484.94	5727.07
90.0	8927.67	8685.38	8393.36	8016.47	7548.29	6866.50	6276.60	5676.16	5109.66
135.0	9092.11	8968.05	8800.67	8467.68	8107.77	7655.39	7137.46	6443.97	5860.50
180.0	8976.82	9098.55	9104.99	9034.18	8863.88	8630.37	8321.96	7929.86	7297.23
225.0	9079.82	9107.92	9017.79	8876.75	8694.16	8331.91	7929.86	7442.95	6737.17
270.0	8927.67	9058.17	9113.18	9047.05	8916.55	8687.72	8401.55	7994.23	7372.72
315.0	9092.11	9100.89	9029.50	8853.93	8613.40	8273.38	7716.84	7193.64	6608.42
360.0	8976.82	8814.72	8551.95	8075.58	7609.15	7082.45	6352.09	5731.75	5121.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4551.35	3919.31	3480.39	3114.04	2798.60	2465.03	2236.79	2036.64	1820.69
45.0	5152.38	4477.61	3981.93	3449.96	3081.85	2764.08	2494.87	2210.45	2018.50
90.0	4437.82	3944.48	3510.24	3050.84	2747.10	2487.26	2205.77	2015.57	1848.20
135.0	5291.66	4741.55	4230.06	3665.32	3279.07	2943.74	2593.19	2354.42	2101.02
180.0	6734.83	6150.77	5566.13	4844.55	4309.66	3845.57	3321.80	2973.00	2624.21
225.0	6144.92	5387.64	4816.46	4295.61	3825.09	3316.53	2971.25	2673.95	2421.13
270.0	6814.42	6220.42	5603.59	4853.33	4309.66	3839.13	3394.95	2950.18	2665.17
315.0	5996.86	5212.07	4635.63	4113.02	3655.37	3162.03	2838.98	2558.66	2261.95
360.0	4551.35	3919.31	3480.39	3114.04	2798.60	2465.03	2236.79	2036.64	1820.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1669.12	1535.10	1389.97	1167.06	1167.06	1083.66	1003.95	928.46	851.62
45.0	1850.54	1700.72	1532.76	1415.72	1313.30	1218.50	1113.16	1032.98	956.90
90.0	1660.93	1535.69	1425.08	1159.62	1159.62	1117.49	1043.98	966.73	875.91
135.0	1926.62	1771.53	1600.65	1480.68	1374.17	1281.70	1172.26	1093.84	1014.25
180.0	2389.53	2177.68	1936.57	1783.82	1649.81	1527.50	1417.47	1296.33	1213.23
225.0	2150.18	1964.66	1803.14	1628.15	1501.75	1365.39	1159.27	1159.27	1099.52
270.0	2414.70	2138.47	1942.42	1778.56	1600.06	1477.75	1363.05	1243.66	1161.73
315.0	2055.37	1832.40	1676.14	1538.03	1388.21	1149.97	1149.97	1109.12	1030.46
360.0	1669.12	1535.10	1389.97	1167.06	1167.06	1083.66	1003.95	928.46	851.62
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	753.89	674.65	594.65	497.62	424.00	357.22	281.84	227.48	180.02
45.0	860.34	781.92	684.19	603.43	525.59	447.17	361.73	299.69	299.69
90.0	796.43	719.12	617.24	538.76	458.99	370.39	306.95	248.37	185.75
135.0	938.76	843.37	763.19	681.26	581.19	498.67	408.55	344.76	299.69
180.0	1140.08	1059.32	969.19	893.11	798.89	714.62	630.35	535.54	454.19
225.0	1004.36	934.02	857.47	781.51	700.40	599.62	520.21	442.84	357.75
270.0	1082.14	1008.40	913.59	841.61	762.02	681.26	584.11	503.94	409.13
315.0	935.42	862.62	788.53	710.99	610.74	531.44	454.54	367.70	306.37
360.0	753.89	674.65	594.65	497.62	424.00	357.22	281.84	227.48	180.02
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	132.09	101.24	77.89	58.17	47.29	39.80	34.65	30.37	27.97
45.0	230.75	136.42	103.99	79.53	59.11	48.05	40.32	34.00	30.67
90.0	143.97	111.08	79.88	63.09	51.09	42.66	35.64	31.84	29.20
135.0	299.69	166.91	128.81	99.37	77.48	58.29	47.75	40.15	34.88
180.0	375.19	297.35	297.35	223.20	139.69	99.72	76.43	59.81	48.22
225.0	297.35	242.87	181.65	141.21	108.79	78.42	61.68	49.74	39.80
270.0	343.59	297.35	297.35	165.33	127.17	97.38	69.52	55.01	44.42
315.0	250.65	188.79	146.95	105.69	80.70	62.38	49.63	39.09	33.65
360.0	132.09	101.24	77.89	58.17	47.29	39.80	34.65	30.37	27.97

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	26.10	24.76	23.47	22.77	22.30	21.89	21.83	21.83	22.06
45.0	27.92	26.28	24.99	24.11	23.29	22.88	22.59	22.59	22.59
90.0	26.86	25.52	24.58	23.70	23.29	23.00	22.88	22.82	23.06
135.0	30.49	28.09	26.28	24.64	23.64	22.88	22.47	22.41	22.30
180.0	38.51	33.47	30.08	27.21	25.63	24.40	23.35	22.82	22.41
225.0	34.59	30.96	28.44	26.16	24.81	23.88	22.94	22.53	22.18
270.0	37.51	31.89	28.91	26.74	25.11	23.64	22.77	22.06	21.71
315.0	30.08	27.45	25.57	23.82	22.77	21.83	21.30	20.95	20.83
360.0	26.10	24.76	23.47	22.77	22.30	21.89	21.83	21.83	22.06
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.24	22.47	22.65	22.65	22.36	21.95	21.13	20.19	19.20
45.0	22.77	22.88	23.06	23.12	23.12	22.71	22.18	21.36	20.13
90.0	23.12	23.35	23.29	23.29	22.88	22.30	21.48	20.48	19.08
135.0	22.47	22.53	22.77	22.82	22.88	22.65	22.18	21.36	20.37
180.0	22.18	22.18	22.36	22.53	22.77	22.94	23.00	22.82	22.36
225.0	22.18	22.24	22.53	22.77	22.94	23.06	22.94	22.47	21.89
270.0	21.48	21.48	21.54	21.83	22.06	22.30	22.30	22.24	21.71
315.0	20.78	21.01	21.19	21.59	21.83	21.95	21.77	21.36	20.83
360.0	22.24	22.47	22.65	22.65	22.36	21.95	21.13	20.19	19.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.97	16.56	15.63	14.75	14.28	14.34	14.57	14.63	14.40
45.0	19.08	17.85	16.80	16.21	16.33	16.68	16.91	16.97	16.74
90.0	17.79	16.39	15.51	14.92	14.63	14.69	14.98	15.27	15.04
135.0	19.37	17.73	16.56	15.45	14.63	14.10	13.75	13.40	13.05
180.0	21.77	20.54	19.49	17.79	16.62	15.57	14.86	14.10	13.75
225.0	20.89	19.66	18.32	17.09	16.04	14.98	14.40	14.05	13.75
270.0	21.19	20.31	19.31	17.79	16.62	15.39	14.63	14.10	13.58
315.0	20.01	18.73	17.44	16.27	15.04	14.34	13.69	13.28	12.99
360.0	17.97	16.56	15.63	14.75	14.28	14.34	14.57	14.63	14.40
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.10	13.93	13.40	12.93	12.17	11.70	11.41	11.18	10.83
45.0	16.56	16.44	15.92	14.92	13.93	13.93	12.93	12.47	11.76
90.0	14.63	14.22	14.16	13.69	13.05	12.52	11.94	11.41	11.12
135.0	12.76	12.52	12.35	12.11	11.94	11.76	11.59	11.41	11.24
180.0	13.40	13.23	13.23	13.23	13.17	13.34	13.23	12.99	12.64
225.0	13.34	12.93	12.70	12.52	12.35	12.11	12.00	11.82	11.70
270.0	13.28	12.99	12.82	12.52	12.29	12.11	11.94	11.76	11.59
315.0	12.64	12.41	12.23	12.00	11.88	11.65	11.53	11.29	11.12
360.0	14.10	13.93	13.40	12.93	12.17	11.70	11.41	11.18	10.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.65	10.48	10.30	10.12	9.83	9.77	9.60	9.48	9.48
45.0	11.18	10.77	10.48	10.24	10.01	9.71	9.60	9.48	9.36
90.0	10.83	10.59	10.36	10.12	9.77	9.66	9.54	9.42	9.42
135.0	11.00	10.83	10.65	10.53	10.01	9.77	9.60	9.54	9.42
180.0	12.11	11.47	10.89	10.71	10.59	10.42	10.12	9.89	9.71
225.0	11.41	11.18	10.94	10.59	10.36	10.18	9.95	9.77	9.60
270.0	11.35	11.18	10.94	10.71	10.48	10.24	9.95	9.83	9.71
315.0	10.94	10.71	10.53	10.36	10.18	10.01	9.77	9.66	9.54
360.0	10.65	10.48	10.30	10.12	9.83	9.77	9.60	9.48	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.42
90.0	9.36
135.0	9.36
180.0	9.66
225.0	9.54
270.0	9.54
315.0	9.42
360.0	9.48