



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: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024322-B012

Ballast type: AC

Test No: 2024322-C012

Voltage(V): 0.000

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.000

Lamp flux(lm): 3486.0

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): 2995.95, Efficiency(%): 85.94% , Luminous Efficacy(lm/W): 0.00

Central intensity(cd): 10637.550, Maximum intensity(cd): 10637.550

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.0

[C90/270]Total=24.0

Field angle(10%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Maximum s/h(1/2): C0\_180=0.41 C90\_270=0.41

Maximum s/h(1/4): C0\_180=0.44 C90\_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.94%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.070%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/22  
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	10637.547	0.000	0	0.00%	0.00%
1.0	10593.216	10.159	10.159	0.29%	0.34%
2.0	10433.377	30.179	40.338	0.87%	1.35%
3.0	10189.265	49.323	89.66	1.41%	2.99%
4.0	9855.394	67.096	156.756	1.92%	5.23%
5.0	9421.888	82.930	239.686	2.38%	8.00%
6.0	8929.641	96.442	336.128	2.77%	11.22%
7.0	8394.599	107.531	443.66	3.08%	14.81%
8.0	7765.043	115.651	559.311	3.32%	18.67%
9.0	7185.963	121.170	680.481	3.48%	22.71%
10.0	6531.901	124.142	804.623	3.56%	26.86%
11.0	5914.269	124.363	928.985	3.57%	31.01%
12.0	5330.800	122.925	1051.91	3.53%	35.11%
13.0	4816.387	120.422	1172.332	3.45%	39.13%
14.0	4315.654	116.889	1289.221	3.35%	43.03%
15.0	3859.617	112.234	1401.455	3.22%	46.78%
16.0	3460.128	107.255	1508.709	3.08%	50.36%
17.0	3103.580	102.215	1610.924	2.93%	53.77%
18.0	2780.975	97.024	1707.948	2.78%	57.01%
19.0	2488.655	91.681	1799.628	2.63%	60.07%
20.0	2237.081	86.494	1886.122	2.48%	62.96%
21.0	2029.985	81.936	1968.059	2.35%	65.69%
22.0	1852.222	78.015	2046.073	2.24%	68.29%
23.0	1705.770	74.656	2120.73	2.14%	70.79%
24.0	1570.876	71.639	2192.369	2.06%	73.18%
25.0	1465.681	69.045	2261.414	1.98%	75.48%
26.0	1350.224	66.470	2327.883	1.91%	77.70%
27.0	1244.262	63.475	2391.358	1.82%	79.82%
28.0	1195.681	61.774	2453.132	1.77%	81.88%
29.0	1106.514	60.232	2513.364	1.73%	83.89%
30.0	998.035	56.822	2570.186	1.63%	85.79%
31.0	875.789	52.146	2622.332	1.50%	87.53%
32.0	745.716	46.454	2668.787	1.33%	89.08%
33.0	634.574	40.664	2709.45	1.17%	90.44%
34.0	517.419	34.863	2744.313	1.00%	91.60%
35.0	408.897	28.768	2773.081	0.83%	92.56%
36.0	310.718	22.913	2795.994	0.66%	93.33%
37.0	249.789	18.281	2814.274	0.52%	93.94%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	197.711	14.937	2829.211	0.43%	94.43%
39.0	109.664	10.492	2839.703	0.30%	94.78%
40.0	86.357	6.837	2846.539	0.20%	95.01%
41.0	77.250	5.826	2852.365	0.17%	95.21%
42.0	72.400	5.437	2857.802	0.16%	95.39%
43.0	67.850	5.195	2862.998	0.15%	95.56%
44.0	64.550	4.997	2867.995	0.14%	95.73%
45.0	62.092	4.867	2872.862	0.14%	95.89%
46.0	59.942	4.772	2877.634	0.14%	96.05%
47.0	58.449	4.709	2882.343	0.14%	96.21%
48.0	56.979	4.666	2887.009	0.13%	96.36%
49.0	55.765	4.630	2891.639	0.13%	96.52%
50.0	54.477	4.596	2896.235	0.13%	96.67%
51.0	53.548	4.570	2900.806	0.13%	96.82%
52.0	52.253	4.540	2905.346	0.13%	96.98%
53.0	50.827	4.484	2909.83	0.13%	97.13%
54.0	49.378	4.417	2914.246	0.13%	97.27%
55.0	47.784	4.337	2918.583	0.12%	97.42%
56.0	45.977	4.237	2922.82	0.12%	97.56%
57.0	43.797	4.105	2926.925	0.12%	97.70%
58.0	41.339	3.937	2930.862	0.11%	97.83%
59.0	38.837	3.748	2934.61	0.11%	97.95%
60.0	35.918	3.532	2938.142	0.10%	98.07%
61.0	33.190	3.298	2941.44	0.09%	98.18%
62.0	30.761	3.082	2944.521	0.09%	98.28%
63.0	28.815	2.897	2947.419	0.08%	98.38%
64.0	26.708	2.725	2950.143	0.08%	98.47%
65.0	25.026	2.560	2952.704	0.07%	98.56%
66.0	23.497	2.421	2955.125	0.07%	98.64%
67.0	21.924	2.284	2957.408	0.07%	98.71%
68.0	20.768	2.163	2959.571	0.06%	98.79%
69.0	19.751	2.067	2961.638	0.06%	98.85%
70.0	18.932	1.987	2963.625	0.06%	98.92%
71.0	18.318	1.925	2965.55	0.06%	98.99%
72.0	17.827	1.879	2967.43	0.05%	99.05%
73.0	17.388	1.842	2969.271	0.05%	99.11%
74.0	16.950	1.805	2971.076	0.05%	99.17%
75.0	16.628	1.774	2972.85	0.05%	99.23%

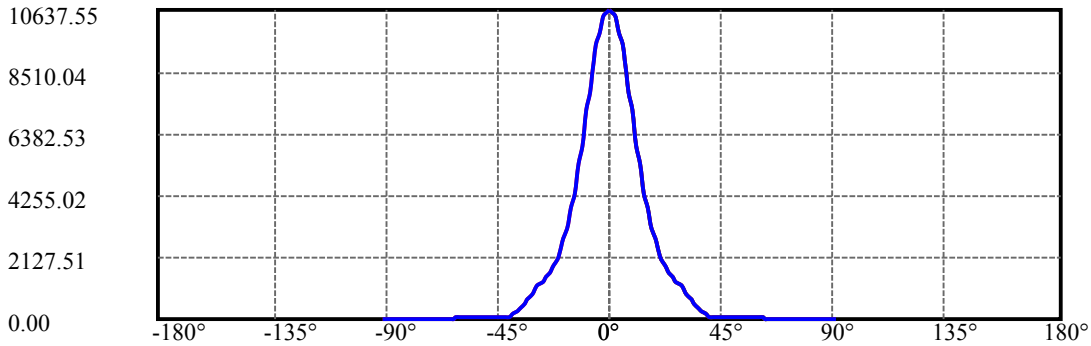
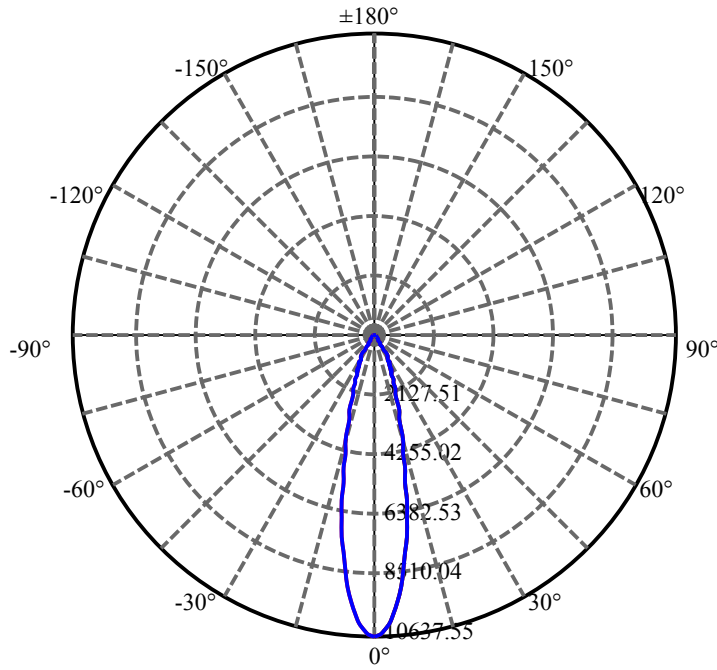
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.277	1.747	2974.597	0.05%	99.29%
77.0	15.911	1.716	2976.313	0.05%	99.34%
78.0	15.552	1.684	2977.997	0.05%	99.40%
79.0	15.209	1.653	2979.65	0.05%	99.46%
80.0	14.850	1.621	2981.271	0.05%	99.51%
81.0	14.514	1.588	2982.859	0.05%	99.56%
82.0	14.199	1.557	2984.416	0.04%	99.61%
83.0	13.892	1.527	2985.943	0.04%	99.67%
84.0	13.614	1.498	2987.441	0.04%	99.72%
85.0	13.328	1.470	2988.912	0.04%	99.77%
86.0	13.109	1.445	2990.357	0.04%	99.81%
87.0	12.890	1.423	2991.78	0.04%	99.86%
88.0	12.714	1.403	2993.182	0.04%	99.91%
89.0	12.641	1.390	2994.572	0.04%	99.95%
90.0	12.531	1.380	2995.952	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2570.19	73.73%	85.79%
0-40	2846.54	81.66%	95.01%
0-60	2938.14	84.28%	98.07%
0-90	2994.57	85.90%	99.95%
0-120	2994.57	85.90%	99.95%
0-180	2995.95	85.94%	100.00%
60-90	56.43	1.62%	1.88%
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%
0-27.09	2396.76	68.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	804.62
10-20	1081.50
20-30	684.06
30-40	276.35
40-50	49.70
50-60	41.91
60-70	25.48
70-80	17.65
80-90	13.30
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



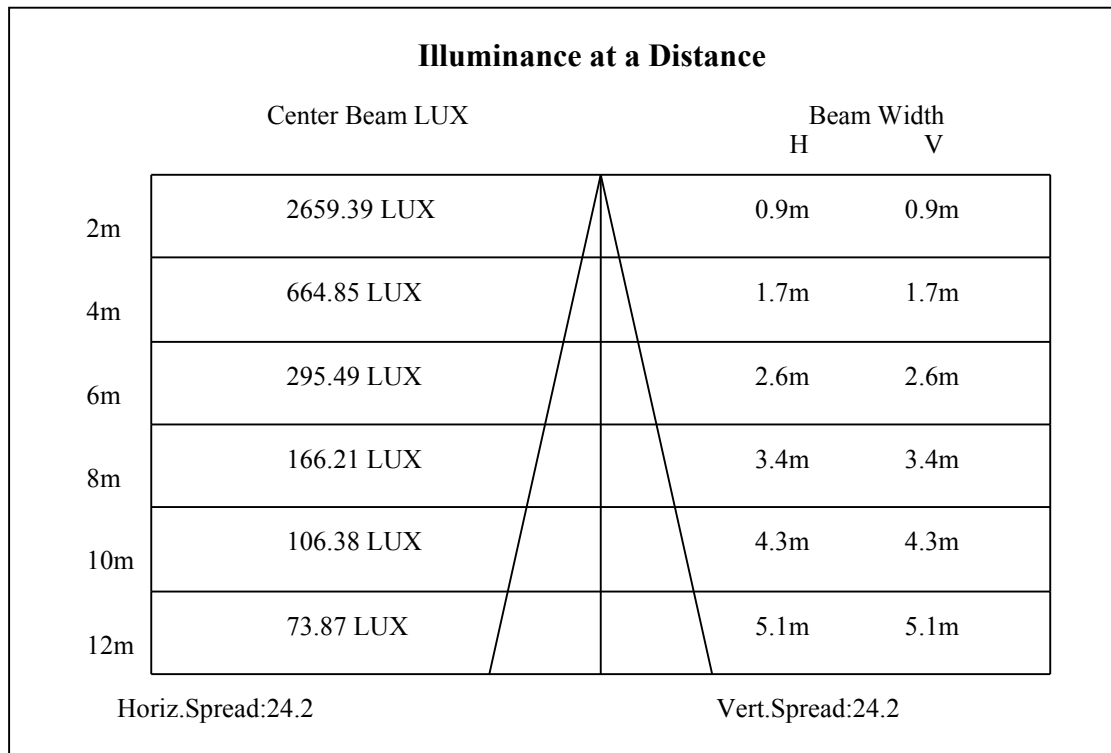
C0(Max): —————

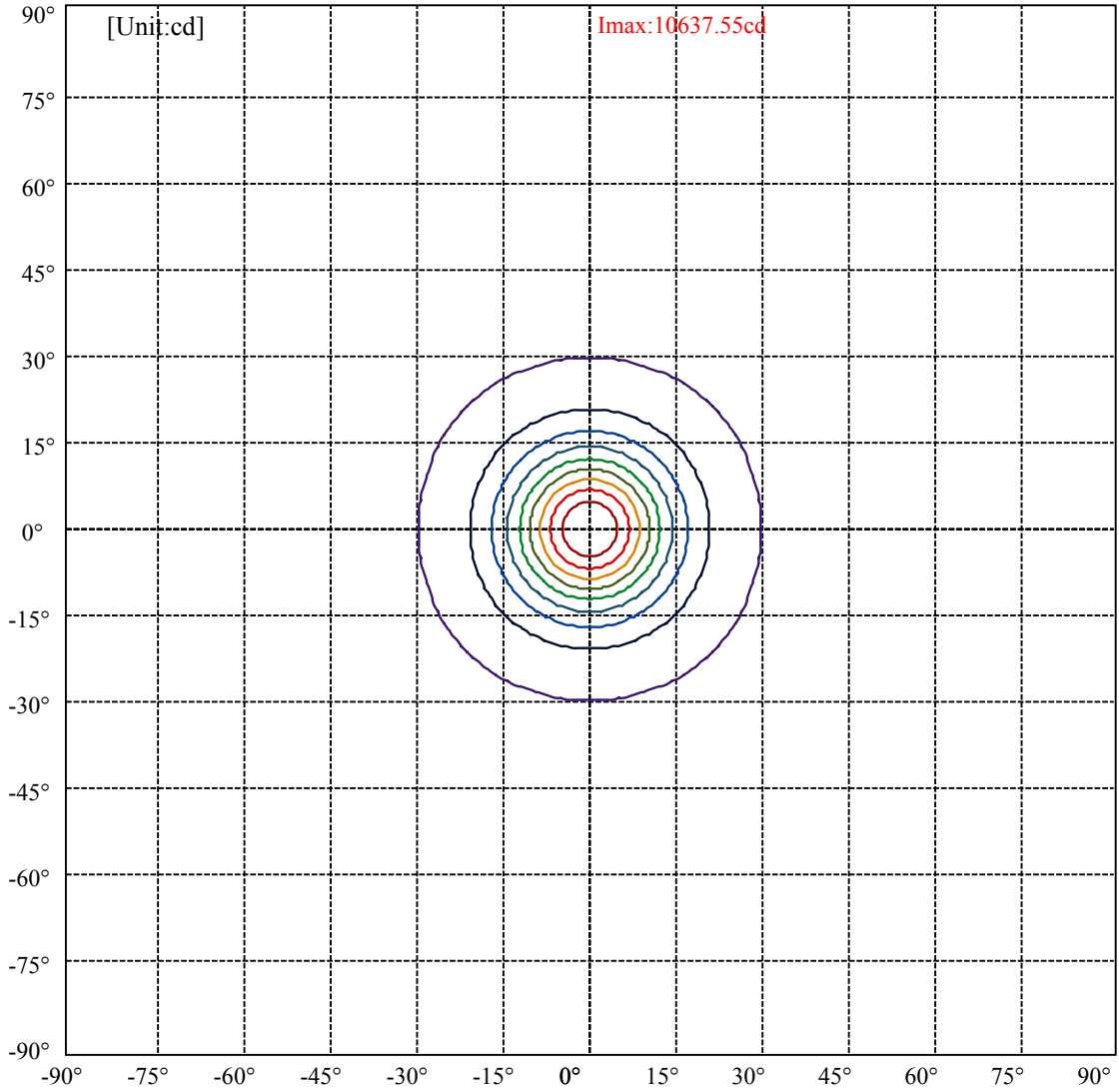
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:29.4 Right:29.4  
:C90/270Left:29.4 Right:29.4

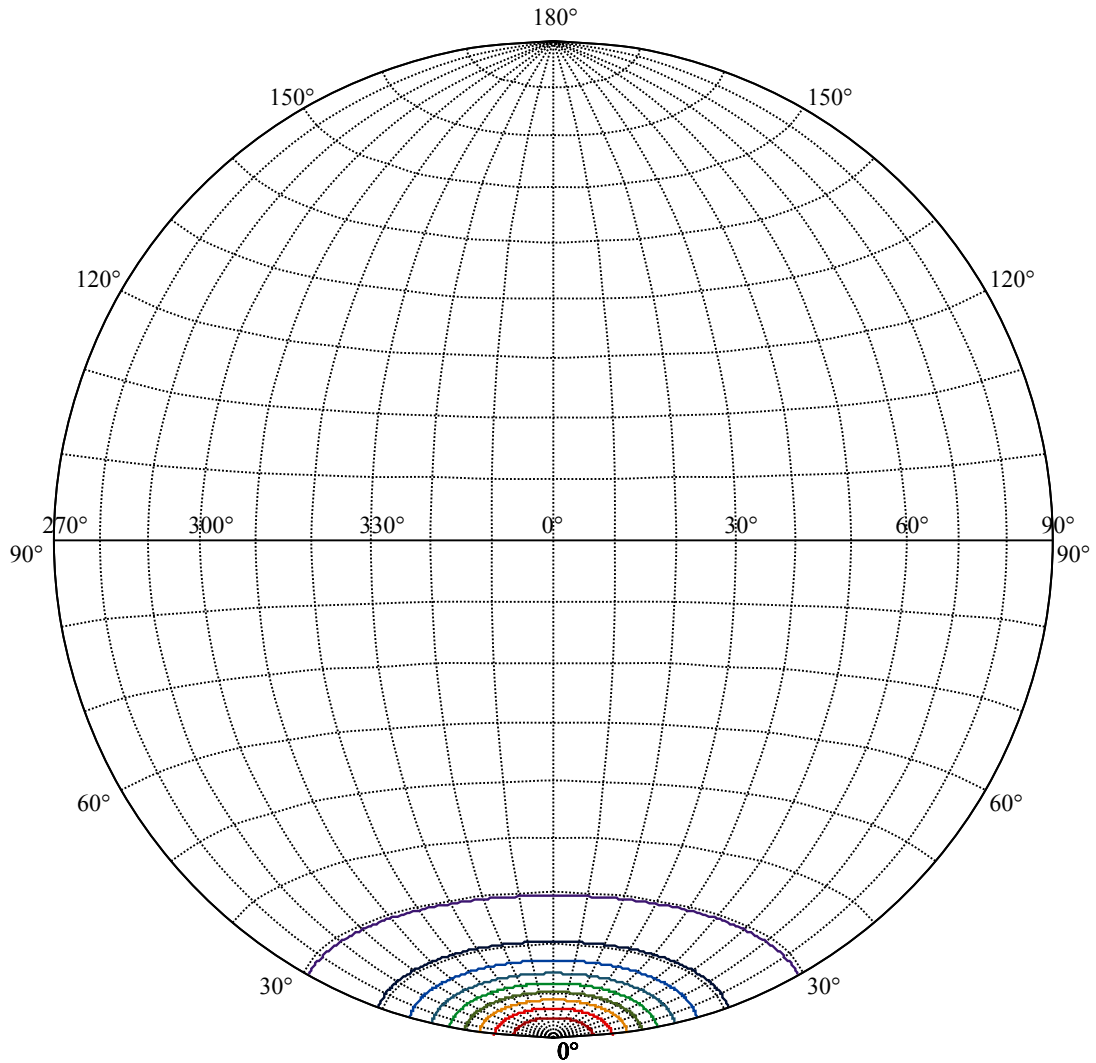
Beam Angle(50%Imax):C0/180Left:12.0 Right:12.0  
:C90/270Left:12.0 Right:12.0





(10%Imax) 1063.75	—
(20%Imax) 2127.51	—
(30%Imax) 3191.26	—
(40%Imax) 4255.02	—
(50%Imax) 5318.77	—
(60%Imax) 6382.53	—
(70%Imax) 7446.28	—
(80%Imax) 8510.04	—
(90%Imax) 9573.79	—





House

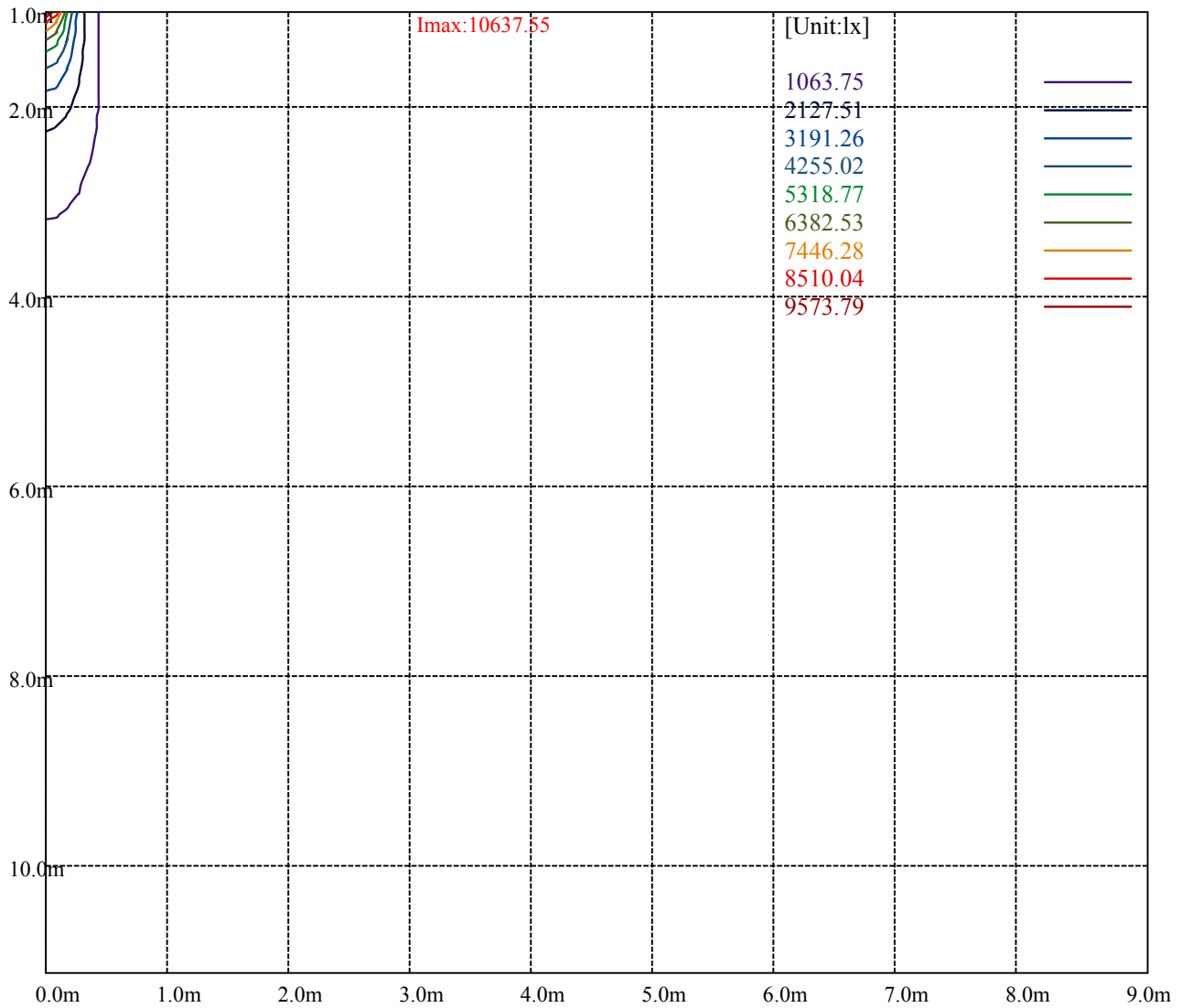
[Unit:cd]

Road

I<sub>max</sub>:10637.55

(10%I <sub>max</sub> )	1063.75	—
(20%I <sub>max</sub> )	2127.51	—
(30%I <sub>max</sub> )	3191.26	—
(40%I <sub>max</sub> )	4255.02	—
(50%I <sub>max</sub> )	5318.77	—
(60%I <sub>max</sub> )	6382.53	—
(70%I <sub>max</sub> )	7446.28	—
(80%I <sub>max</sub> )	8510.04	—
(90%I <sub>max</sub> )	9573.79	—





Luminance Table

$\gamma$	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

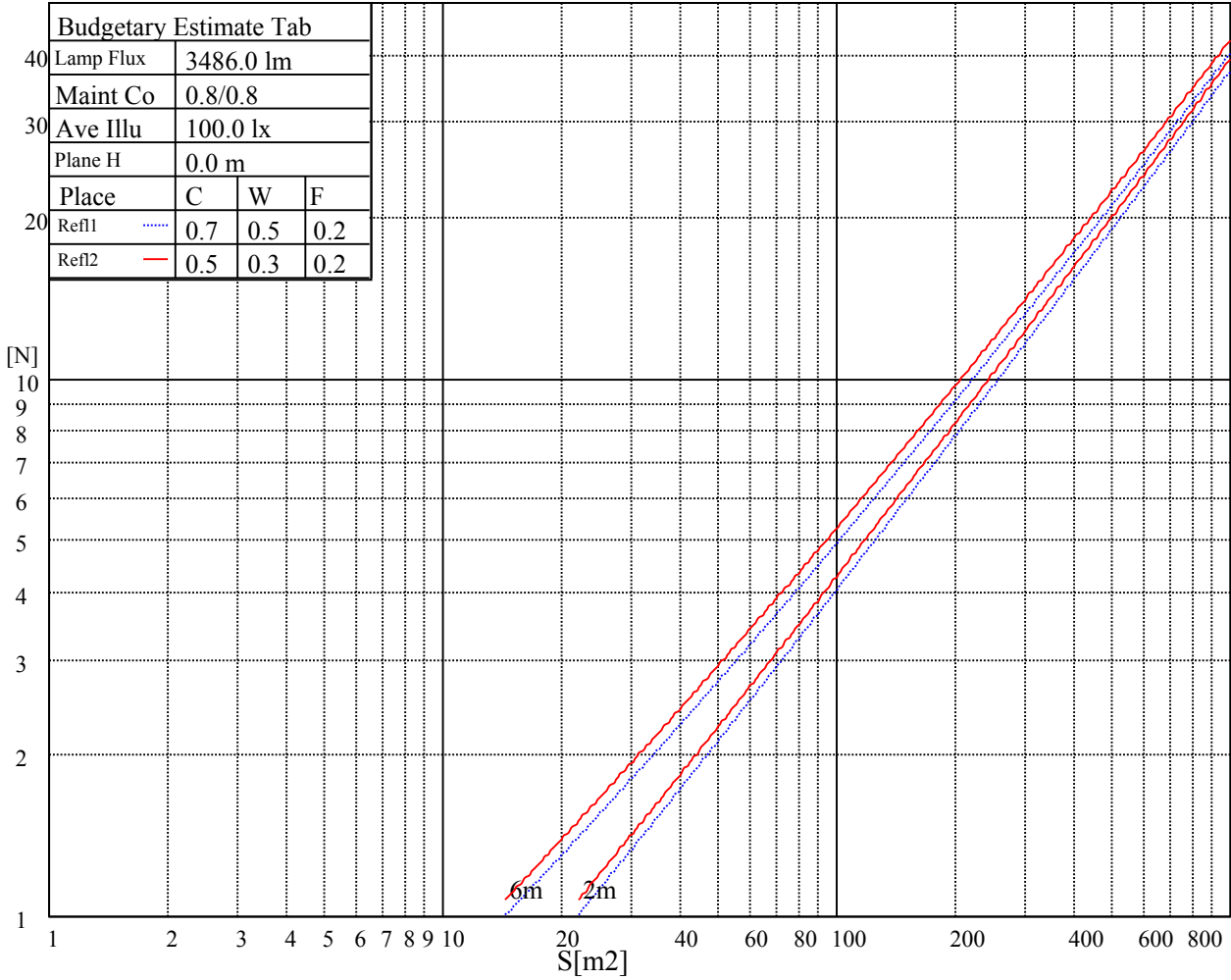
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

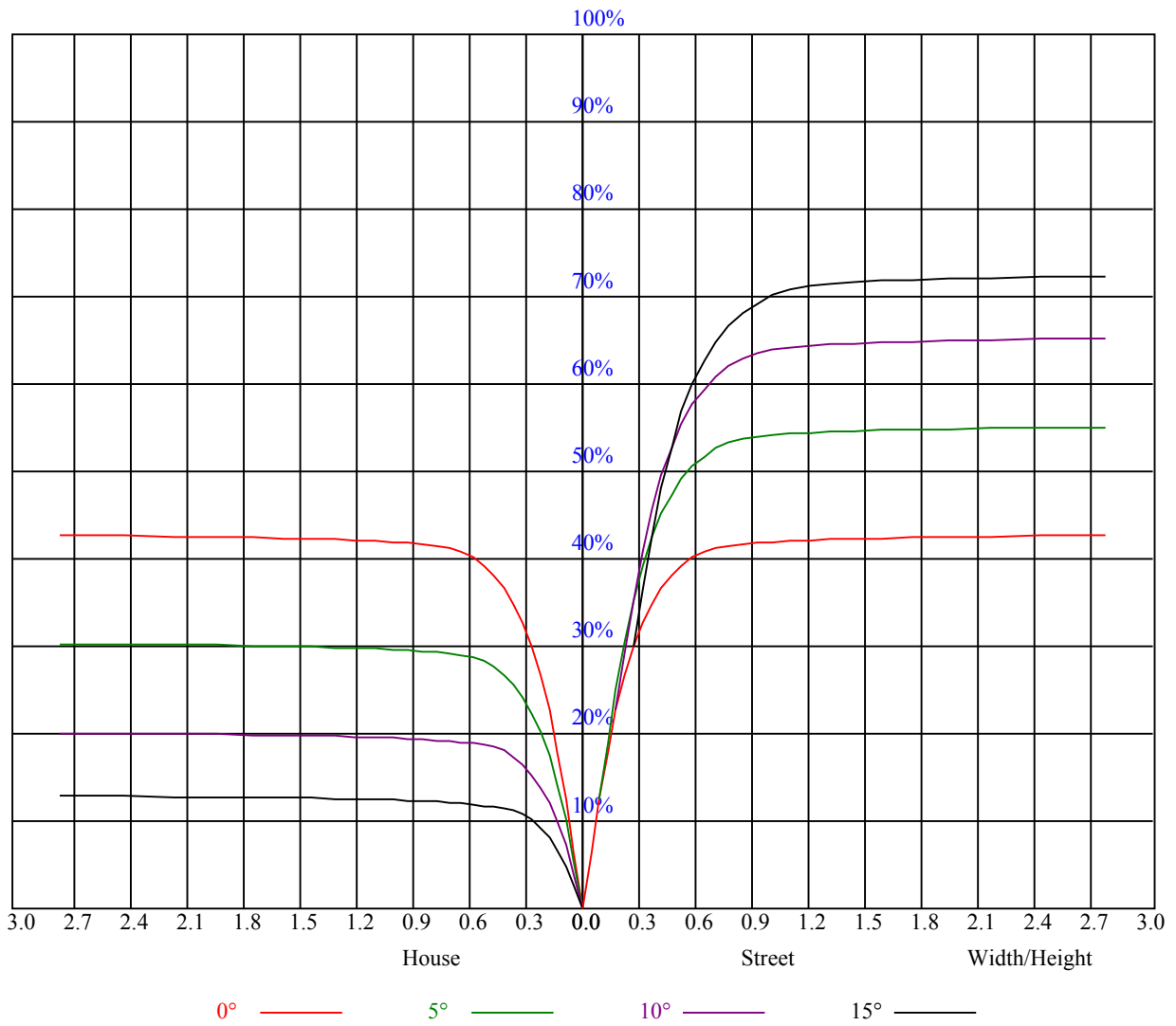


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	非数字
4H	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	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	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	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	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	非数字
8H	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	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	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	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	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	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	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	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	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				

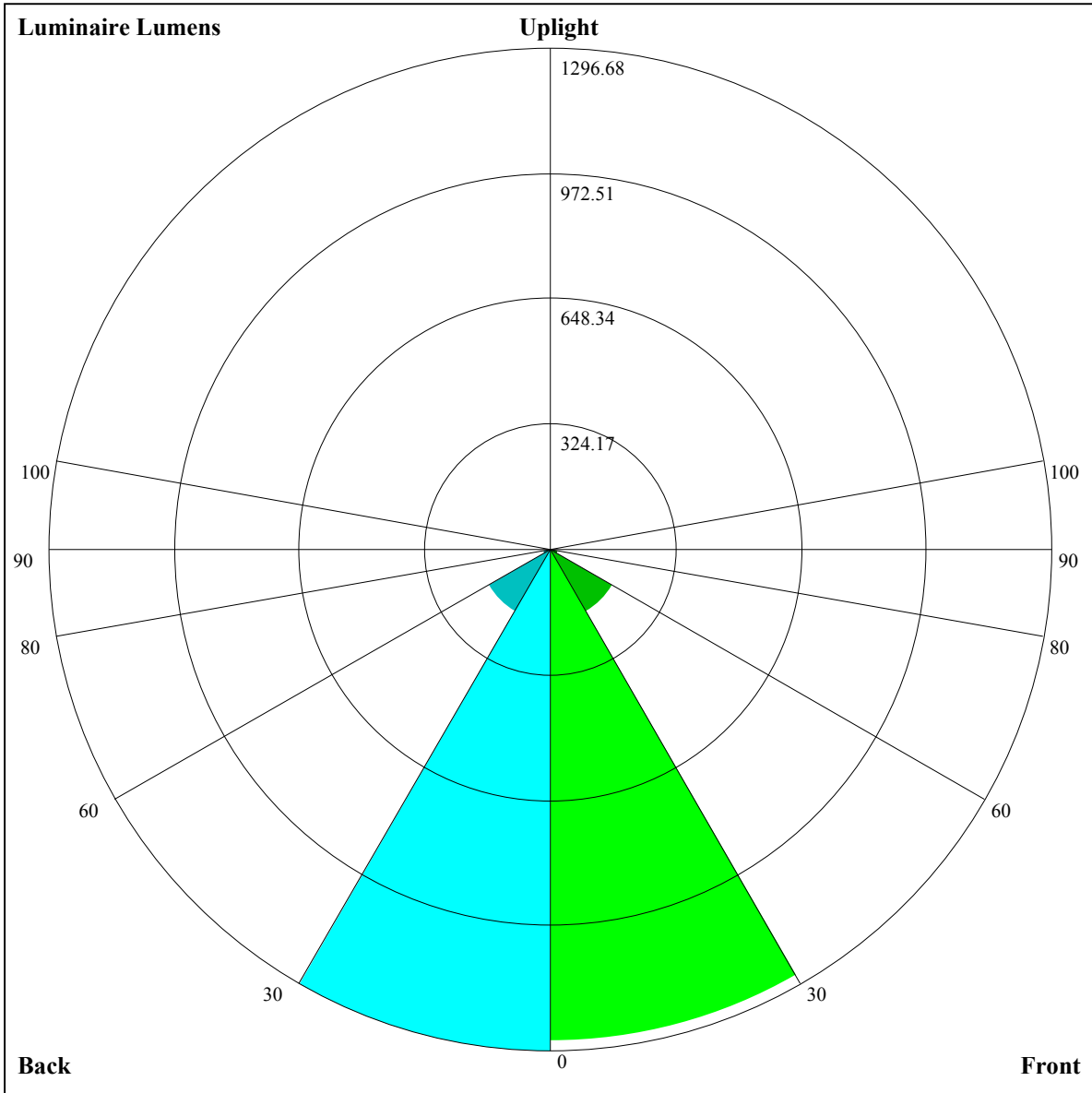
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.91	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.74
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.71	0.70
5	0.78	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	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.65	0.64
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	0.61	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	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=1272.33,FM=185.34,FH=21.6,FVH=7.34

BL=1296.68,BM=187.26,BH=21.65,BVH=7.35

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	10641.79	10544.64	10289.48	9999.80	9638.71	9088.60	8582.97	8032.27	7460.51
45.0	10636.52	10662.27	10578.00	10409.46	10149.62	9711.87	9295.77	8814.72	8154.58
90.0	10661.10	10594.39	10436.38	10111.58	9772.15	9368.34	8787.80	8247.63	7676.45
135.0	10610.77	10655.84	10621.89	10449.84	10204.63	9880.41	9484.80	8920.64	8391.60
180.0	10641.79	10651.74	10562.78	10385.46	10049.54	9694.31	9276.46	8780.19	8093.72
225.0	10636.52	10529.43	10270.17	9964.68	9587.80	9144.20	8504.55	7942.73	7347.56
270.0	10661.10	10621.31	10499.00	10293.58	9917.28	9535.13	9089.19	8570.09	7878.36
315.0	10610.77	10486.12	10209.31	9899.72	9523.42	8952.25	8415.59	7848.51	7117.56
360.0	10641.79	10544.64	10289.48	9999.80	9638.71	9088.60	8582.97	8032.27	7460.51
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6886.40	6185.30	5643.38	5127.80	4636.21	4078.49	3681.71	3241.62	2921.50
45.0	7595.11	7033.29	6331.61	5785.01	5259.48	4759.11	4180.91	3763.64	3393.78
90.0	7092.40	6369.65	5808.42	5284.64	4661.38	4209.58	3798.75	3426.55	3016.31
135.0	7835.05	7092.40	6504.83	5793.79	5265.33	4769.64	4310.24	3783.54	3415.43
180.0	7510.25	6901.62	6289.47	5581.93	5064.01	4587.64	4043.96	3653.03	3303.07
225.0	6738.34	6004.47	5456.11	4837.53	4381.64	3960.86	3488.00	3150.32	2839.57
270.0	7297.81	6701.47	5976.38	5429.19	4920.63	4333.65	3912.87	3535.99	3117.55
315.0	6532.34	5967.01	5303.95	4806.51	4342.43	3826.26	3460.49	3126.33	2821.43
360.0	6886.40	6185.30	5643.38	5127.80	4636.21	4078.49	3681.71	3241.62	2921.50
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2640.01	2331.59	2125.01	1949.44	1765.10	1639.86	1534.52	1446.73	1351.93
45.0	3060.20	2699.70	2443.37	2168.32	1984.56	1827.13	1662.10	1550.32	1455.51
90.0	2727.21	2408.26	2185.87	1996.26	1796.11	1659.76	1541.54	1442.05	1358.95
135.0	3081.85	2783.97	2453.91	2223.33	2021.43	1851.71	1669.12	1543.88	1415.72
180.0	2896.34	2601.97	2299.41	2095.75	1916.09	1749.30	1622.89	1470.14	1381.19
225.0	2559.83	2314.04	2053.61	1881.56	1735.84	1581.34	1474.83	1385.87	1153.95
270.0	2803.29	2522.38	2284.78	2038.98	1879.80	1733.49	1578.41	1483.02	1398.75
315.0	2479.07	2247.32	2050.69	1886.24	1718.86	1603.58	1483.60	1403.43	1285.80
360.0	2640.01	2331.59	2125.01	1949.44	1765.10	1639.86	1534.52	1446.73	1351.93
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1144.70	1144.70	1094.78	961.88	848.58	706.89	594.41	487.49	366.29
45.0	1375.92	1284.04	1200.94	1103.21	995.53	855.66	740.37	628.00	491.06
90.0	1155.64	1155.64	1082.32	976.39	838.92	728.08	618.58	485.91	387.24
135.0	1333.79	1261.80	1158.22	1059.32	953.98	817.03	706.43	602.26	502.18
180.0	1302.77	1212.64	1130.13	1028.88	886.67	775.48	665.46	526.76	428.44
225.0	1153.95	1131.88	1003.54	891.94	778.35	636.02	527.70	425.11	332.29
270.0	1319.74	1231.96	1144.76	1037.66	924.71	781.33	666.63	529.69	428.44
315.0	1167.58	1142.77	1037.43	925.01	779.58	665.23	557.02	454.13	335.22
360.0	1144.70	1144.70	1094.78	961.88	848.58	706.89	594.41	487.49	366.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	280.26	207.58	146.66	100.78	87.32	81.05	75.44	69.52	66.60
45.0	389.82	296.77	296.77	132.55	96.85	80.35	75.55	71.28	66.72
90.0	278.86	205.41	145.14	99.14	85.21	79.30	74.03	68.35	65.08
135.0	381.63	312.57	312.57	143.20	96.27	83.16	77.43	71.63	67.59
180.0	336.56	314.91	219.93	113.01	86.15	75.73	71.22	67.59	63.85
225.0	231.92	166.91	117.22	87.84	73.21	68.88	65.08	60.86	59.17
270.0	334.81	313.15	216.94	111.66	85.68	75.96	71.63	67.89	64.32
315.0	251.88	181.01	126.47	89.13	80.18	73.56	68.82	65.66	63.09
360.0	280.26	207.58	146.66	100.78	87.32	81.05	75.44	69.52	66.60

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	63.91	61.62	59.40	58.11	56.53	55.19	53.96	52.09	50.39
45.0	64.61	62.68	61.04	59.52	58.87	57.41	56.36	55.13	53.78
90.0	62.68	60.22	58.76	57.64	56.12	54.48	54.13	52.85	50.97
135.0	64.14	61.33	59.28	57.59	56.24	55.01	53.84	53.20	51.68
180.0	60.98	59.17	57.70	55.89	55.13	53.72	52.90	51.97	50.74
225.0	57.29	55.01	54.31	52.96	51.79	50.91	50.27	48.98	48.05
270.0	61.98	60.10	58.70	57.35	55.95	54.48	53.67	52.32	51.03
315.0	61.16	59.40	58.41	56.77	55.48	54.60	53.26	51.50	49.98
360.0	63.91	61.62	59.40	58.11	56.53	55.19	53.96	52.09	50.39
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	48.87	46.76	44.95	42.43	40.09	37.81	33.94	31.60	30.20
45.0	52.55	50.80	48.87	46.76	44.59	41.73	39.44	35.64	32.89
90.0	49.86	48.11	45.88	44.24	41.38	38.92	35.99	32.77	30.78
135.0	50.39	49.39	47.99	45.76	44.07	41.08	38.62	36.11	32.36
180.0	49.45	48.34	46.58	45.12	42.43	39.91	37.51	34.65	31.66
225.0	46.53	45.00	43.37	40.85	38.45	36.28	32.89	30.61	28.44
270.0	49.22	47.75	46.00	44.18	41.14	38.86	36.46	33.36	31.02
315.0	48.16	46.12	44.18	41.02	38.57	36.11	32.48	30.78	28.73
360.0	48.87	46.76	44.95	42.43	40.09	37.81	33.94	31.60	30.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.97	25.87	24.76	22.59	21.42	20.48	19.37	18.73	18.20
45.0	30.96	28.91	26.63	25.34	23.53	22.18	20.95	19.96	19.02
90.0	29.09	26.51	25.11	23.82	21.71	20.72	19.61	18.79	18.26
135.0	30.43	28.50	26.51	24.87	23.23	21.77	20.78	19.61	18.73
180.0	29.90	27.68	25.57	24.35	22.65	21.07	20.07	19.20	18.43
225.0	26.39	24.81	23.06	21.54	20.42	19.49	18.49	17.97	17.56
270.0	29.09	26.28	25.11	23.58	21.54	20.66	19.72	18.79	18.32
315.0	26.69	25.11	23.47	21.89	20.89	19.78	19.02	18.43	18.02
360.0	27.97	25.87	24.76	22.59	21.42	20.48	19.37	18.73	18.20
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.67	17.26	16.91	16.56	16.15	15.80	15.45	15.10	14.69
45.0	18.49	17.97	17.44	17.15	16.74	16.39	15.98	15.63	15.27
90.0	17.79	17.32	16.85	16.62	16.27	15.80	15.57	15.22	14.86
135.0	18.14	17.62	17.21	16.85	16.44	16.15	15.74	15.45	15.04
180.0	17.97	17.56	17.09	16.74	16.44	16.09	15.74	15.39	15.04
225.0	17.21	16.80	16.44	16.15	15.80	15.51	15.16	14.75	14.51
270.0	17.85	17.50	17.03	16.68	16.39	16.04	15.63	15.33	14.86
315.0	17.50	17.09	16.62	16.27	15.98	15.51	15.16	14.81	14.51
360.0	17.67	17.26	16.91	16.56	16.15	15.80	15.45	15.10	14.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.40	14.05	13.75	13.46	13.17	12.99	12.82	12.93	12.47
45.0	14.86	14.57	14.22	13.87	13.46	13.23	12.99	12.76	13.34
90.0	14.51	14.16	13.87	13.58	13.34	13.05	12.87	12.70	12.52
135.0	14.81	14.46	14.16	13.87	13.58	13.34	13.11	12.87	12.64
180.0	14.63	14.34	13.99	13.75	13.46	13.28	12.99	12.70	12.76
225.0	14.16	13.93	13.64	13.40	13.05	12.93	12.76	12.64	12.41
270.0	14.57	14.28	13.87	13.64	13.40	13.17	12.87	12.64	12.47
315.0	14.16	13.81	13.64	13.34	13.17	12.87	12.70	12.47	12.52
360.0	14.40	14.05	13.75	13.46	13.17	12.99	12.82	12.93	12.47

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>12.70</b>
<b>45.0</b>	<b>12.52</b>
<b>90.0</b>	<b>12.52</b>
<b>135.0</b>	<b>12.47</b>
<b>180.0</b>	<b>12.47</b>
<b>225.0</b>	<b>12.58</b>
<b>270.0</b>	<b>12.47</b>
<b>315.0</b>	<b>12.52</b>
<b>360.0</b>	<b>12.70</b>