



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: 92.70.411.00

Report No: 2024403-B003

Ballast type: AC

Test No: 2024403-C003

Voltage(V): 34.330

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.578

Lamp flux(lm): 3438.0

Power (W): 19.842

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2925.44, Efficiency(%): 85.09% , Luminous Efficacy(lm/W): 147.44

Central intensity(cd): 11659.350, Maximum intensity(cd): 11738.550

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

Beam Angle(50%Imax): [C0/180]Total=21.6

[C90/270]Total=21.6

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(%): 85.09%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.048%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/03  
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	11659.350	0.000	0	0.00%	0.00%
1.0	11738.545	11.195	11.195	0.33%	0.38%
2.0	11600.506	33.498	44.694	0.97%	1.53%
3.0	11328.742	54.839	99.533	1.60%	3.40%
4.0	10882.434	74.348	173.881	2.16%	5.94%
5.0	10373.216	91.441	265.322	2.66%	9.07%
6.0	9681.992	105.395	370.717	3.07%	12.67%
7.0	8953.387	115.669	486.387	3.36%	16.63%
8.0	8116.807	122.168	608.555	3.55%	20.80%
9.0	7259.672	124.618	733.173	3.62%	25.06%
10.0	6461.718	124.174	857.346	3.61%	29.31%
11.0	5740.282	121.923	979.269	3.55%	33.47%
12.0	5028.648	117.720	1096.989	3.42%	37.50%
13.0	4428.719	112.235	1209.224	3.26%	41.33%
14.0	3920.525	106.870	1316.094	3.11%	44.99%
15.0	3521.109	102.162	1418.256	2.97%	48.48%
16.0	3148.540	97.729	1515.985	2.84%	51.82%
17.0	2839.541	93.251	1609.236	2.71%	55.01%
18.0	2716.205	91.602	1700.838	2.66%	58.14%
19.0	2429.759	89.529	1790.367	2.60%	61.20%
20.0	2146.298	83.755	1874.122	2.44%	64.06%
21.0	1970.292	79.047	1953.168	2.30%	66.76%
22.0	1804.819	75.862	2029.031	2.21%	69.36%
23.0	1679.801	73.117	2102.148	2.13%	71.86%
24.0	1560.780	70.851	2172.998	2.06%	74.28%
25.0	1442.858	68.296	2241.294	1.99%	76.61%
26.0	1273.962	64.131	2305.425	1.87%	78.81%
27.0	1224.730	61.131	2366.556	1.78%	80.90%
28.0	1130.640	59.633	2426.189	1.73%	82.93%
29.0	1021.627	56.309	2482.499	1.64%	84.86%
30.0	915.277	52.296	2534.795	1.52%	86.65%
31.0	801.568	47.777	2582.572	1.39%	88.28%
32.0	689.366	42.714	2625.286	1.24%	89.74%
33.0	584.808	37.538	2662.823	1.09%	91.02%
34.0	483.052	32.317	2695.14	0.94%	92.13%
35.0	393.813	27.232	2722.372	0.79%	93.06%
36.0	319.218	22.703	2745.075	0.66%	93.83%
37.0	259.328	18.869	2763.944	0.55%	94.48%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	233.900	16.463	2780.407	0.48%	95.04%
39.0	143.665	12.887	2793.295	0.37%	95.48%
40.0	110.959	8.880	2802.175	0.26%	95.79%
41.0	85.311	6.989	2809.164	0.20%	96.03%
42.0	68.186	5.577	2814.741	0.16%	96.22%
43.0	56.050	4.602	2819.343	0.13%	96.37%
44.0	48.559	3.948	2823.291	0.11%	96.51%
45.0	42.890	3.514	2826.806	0.10%	96.63%
46.0	39.056	3.205	2830.01	0.09%	96.74%
47.0	36.167	2.992	2833.002	0.09%	96.84%
48.0	34.177	2.844	2835.846	0.08%	96.94%
49.0	32.692	2.746	2838.592	0.08%	97.03%
50.0	31.595	2.680	2841.272	0.08%	97.12%
51.0	30.768	2.638	2843.911	0.08%	97.21%
52.0	30.329	2.622	2846.532	0.08%	97.30%
53.0	30.037	2.626	2849.158	0.08%	97.39%
54.0	29.942	2.644	2851.802	0.08%	97.48%
55.0	29.993	2.675	2854.477	0.08%	97.57%
56.0	30.081	2.715	2857.192	0.08%	97.67%
57.0	30.154	2.754	2859.946	0.08%	97.76%
58.0	30.124	2.787	2862.733	0.08%	97.86%
59.0	29.854	2.804	2865.537	0.08%	97.95%
60.0	29.283	2.794	2868.331	0.08%	98.05%
61.0	28.457	2.755	2871.087	0.08%	98.14%
62.0	27.337	2.688	2873.775	0.08%	98.23%
63.0	25.991	2.594	2876.369	0.08%	98.32%
64.0	24.397	2.473	2878.841	0.07%	98.41%
65.0	22.853	2.338	2881.18	0.07%	98.49%
66.0	21.361	2.206	2883.386	0.06%	98.56%
67.0	20.300	2.095	2885.481	0.06%	98.63%
68.0	19.664	2.024	2887.505	0.06%	98.70%
69.0	19.181	1.982	2889.487	0.06%	98.77%
70.0	18.874	1.954	2891.441	0.06%	98.84%
71.0	18.742	1.944	2893.385	0.06%	98.90%
72.0	18.727	1.948	2895.333	0.06%	98.97%
73.0	18.720	1.958	2897.292	0.06%	99.04%
74.0	18.669	1.966	2899.257	0.06%	99.10%
75.0	18.552	1.967	2901.224	0.06%	99.17%

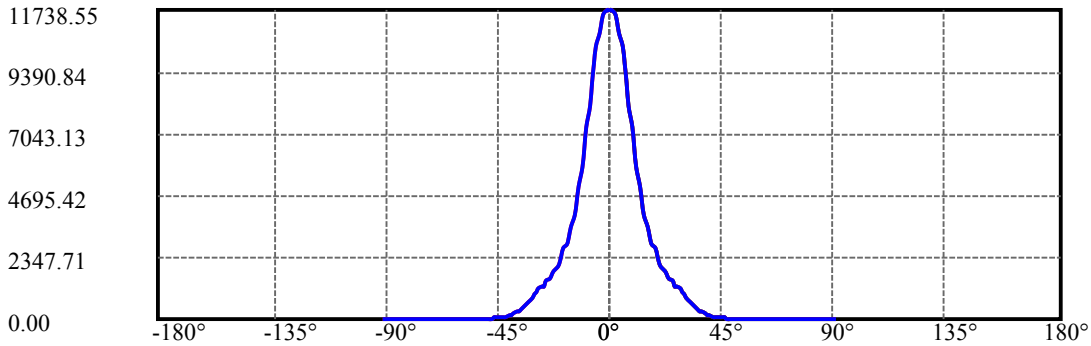
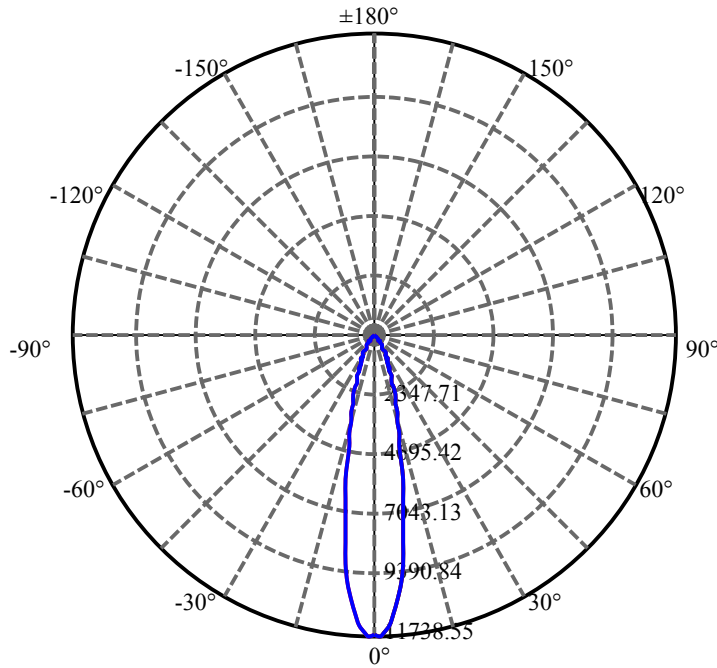
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.383	1.961	2903.184	0.06%	99.24%
77.0	18.003	1.940	2905.124	0.06%	99.31%
78.0	17.527	1.902	2907.026	0.06%	99.37%
79.0	16.884	1.849	2908.875	0.05%	99.43%
80.0	16.123	1.779	2910.655	0.05%	99.49%
81.0	15.106	1.689	2912.344	0.05%	99.55%
82.0	14.345	1.597	2913.941	0.05%	99.61%
83.0	13.994	1.541	2915.481	0.04%	99.66%
84.0	13.731	1.510	2916.992	0.04%	99.71%
85.0	13.394	1.480	2918.472	0.04%	99.76%
86.0	13.080	1.447	2919.919	0.04%	99.81%
87.0	12.743	1.413	2921.332	0.04%	99.86%
88.0	12.553	1.386	2922.718	0.04%	99.91%
89.0	12.385	1.367	2924.085	0.04%	99.95%
90.0	12.334	1.355	2925.44	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2534.79	73.73%	86.65%
0-40	2802.17	81.51%	95.79%
0-60	2868.33	83.43%	98.05%
0-90	2924.09	85.05%	99.95%
0-120	2924.09	85.05%	99.95%
0-180	2925.44	85.09%	100.00%
60-90	55.75	1.62%	1.91%
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%
0-26.57	2340.35	68.07%	80.00%

ZONAL LUMEN SUMMARY

0-10	857.35
10-20	1016.78
20-30	660.67
30-40	267.38
40-50	39.10
50-60	27.06
60-70	23.11
70-80	19.21
80-90	13.43
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



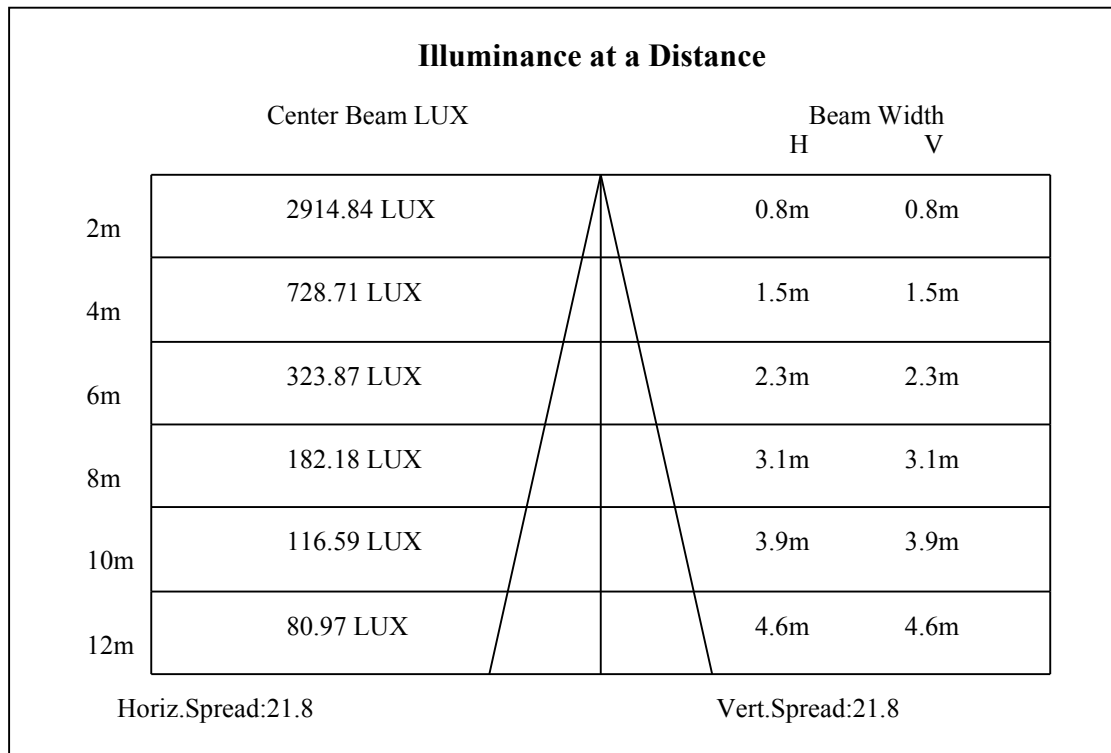
C0(Max): —————

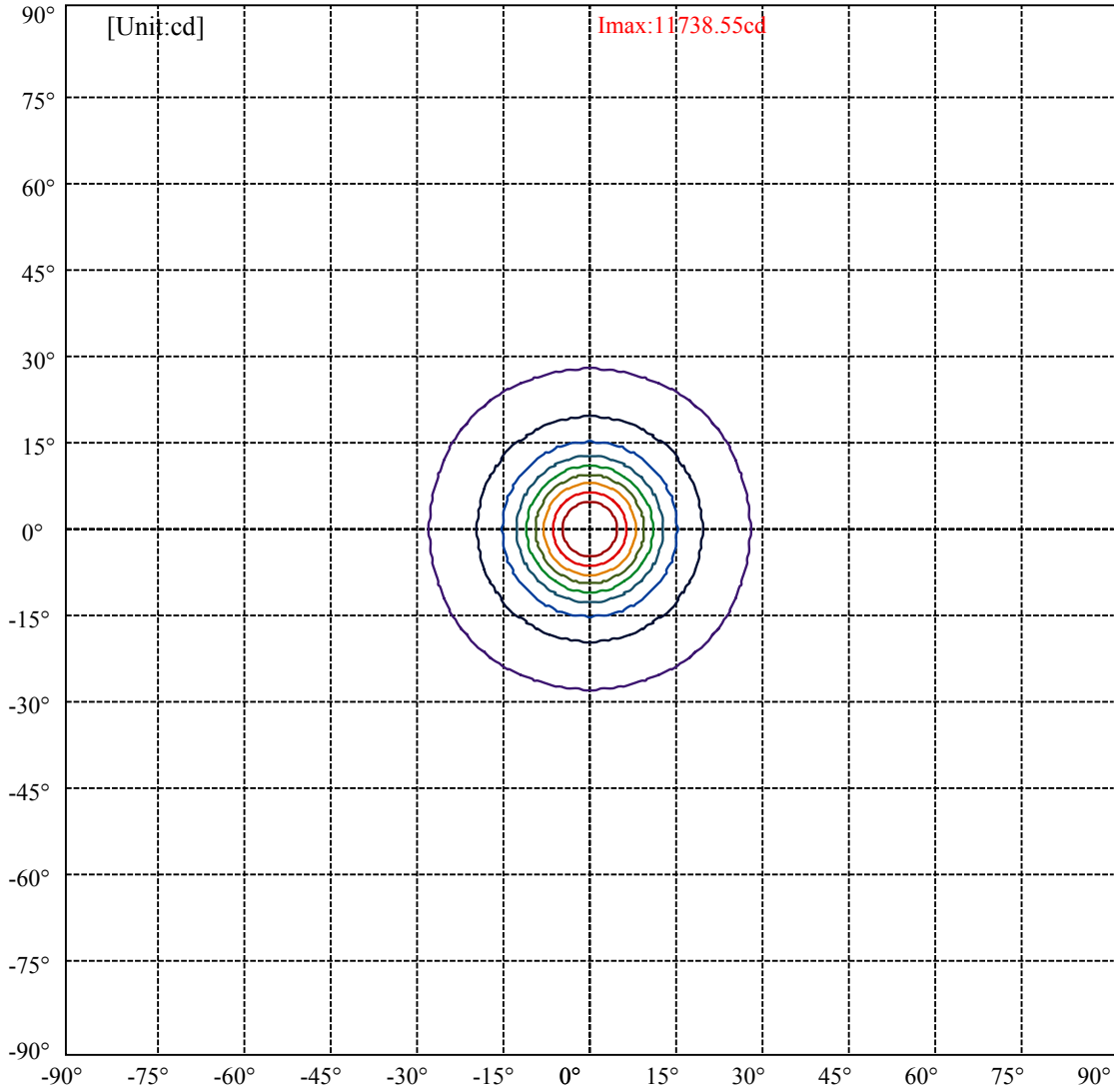
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:28.5 Right:26.5  
:C90/270Left:28.5 Right:26.5

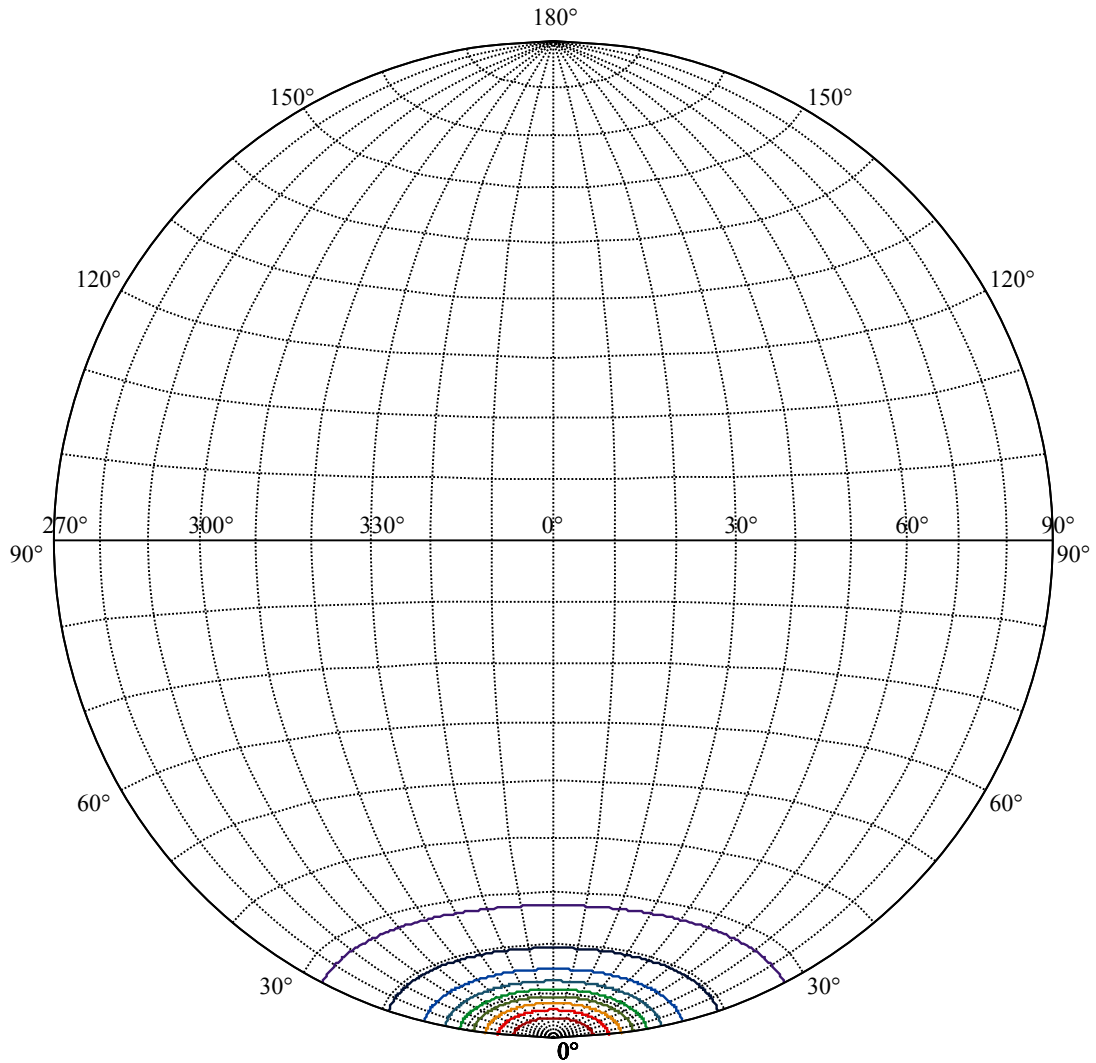
Beam Angle(50%Imax):C0/180Left:11.8 Right:9.8  
:C90/270Left:11.8 Right:9.8





(10%Imax) 1173.85	—
(20%Imax) 2347.71	—
(30%Imax) 3521.56	—
(40%Imax) 4695.42	—
(50%Imax) 5869.27	—
(60%Imax) 7043.13	—
(70%Imax) 8216.98	—
(80%Imax) 9390.84	—
(90%Imax) 10564.7	—





House

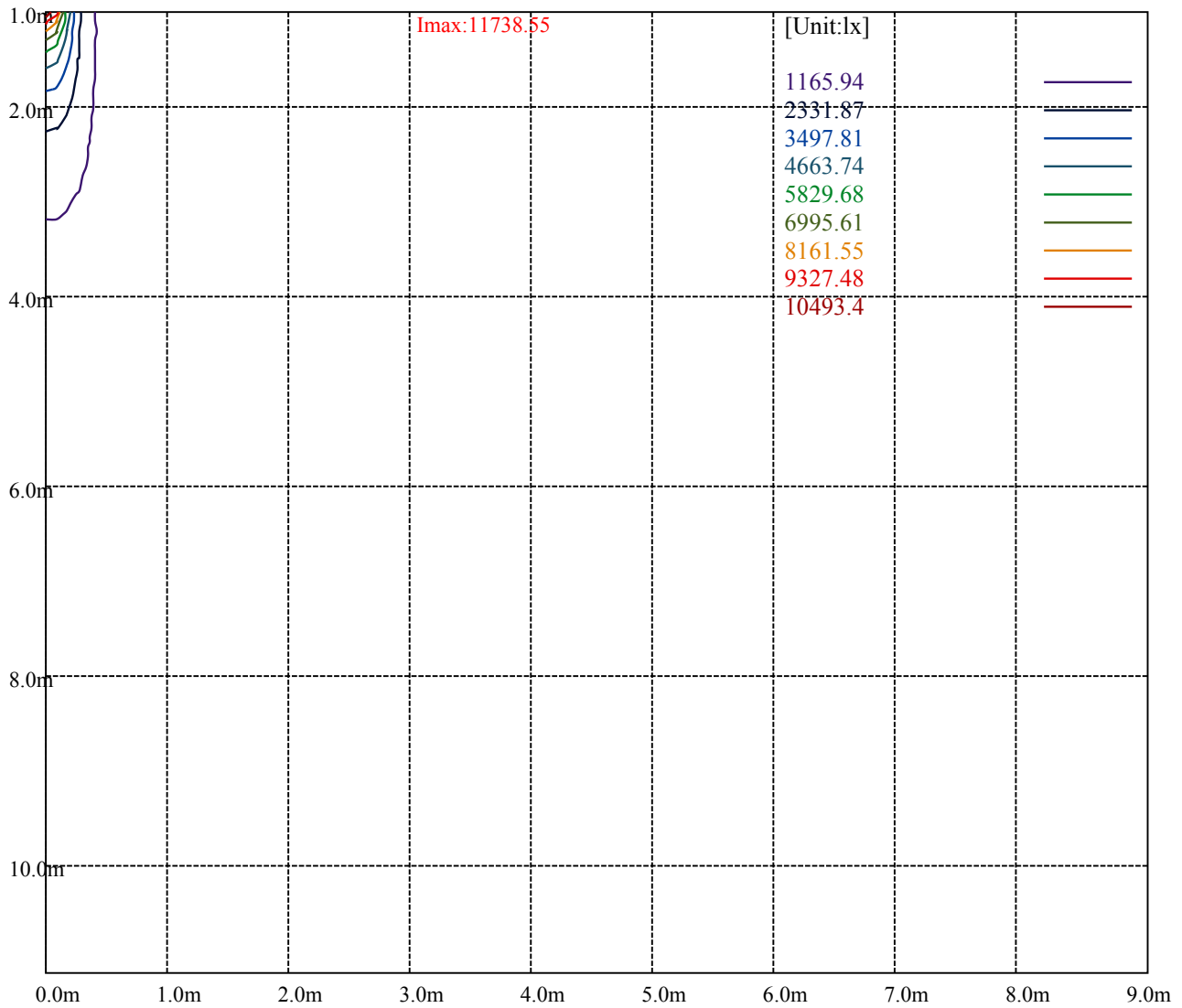
[Unit:cd]

Road

**Imax:11738.55**

(10%Imax)	1173.85	—
(20%Imax)	2347.71	—
(30%Imax)	3521.56	—
(40%Imax)	4695.42	—
(50%Imax)	5869.27	—
(60%Imax)	7043.13	—
(70%Imax)	8216.98	—
(80%Imax)	9390.84	—
(90%Imax)	10564.7	—





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

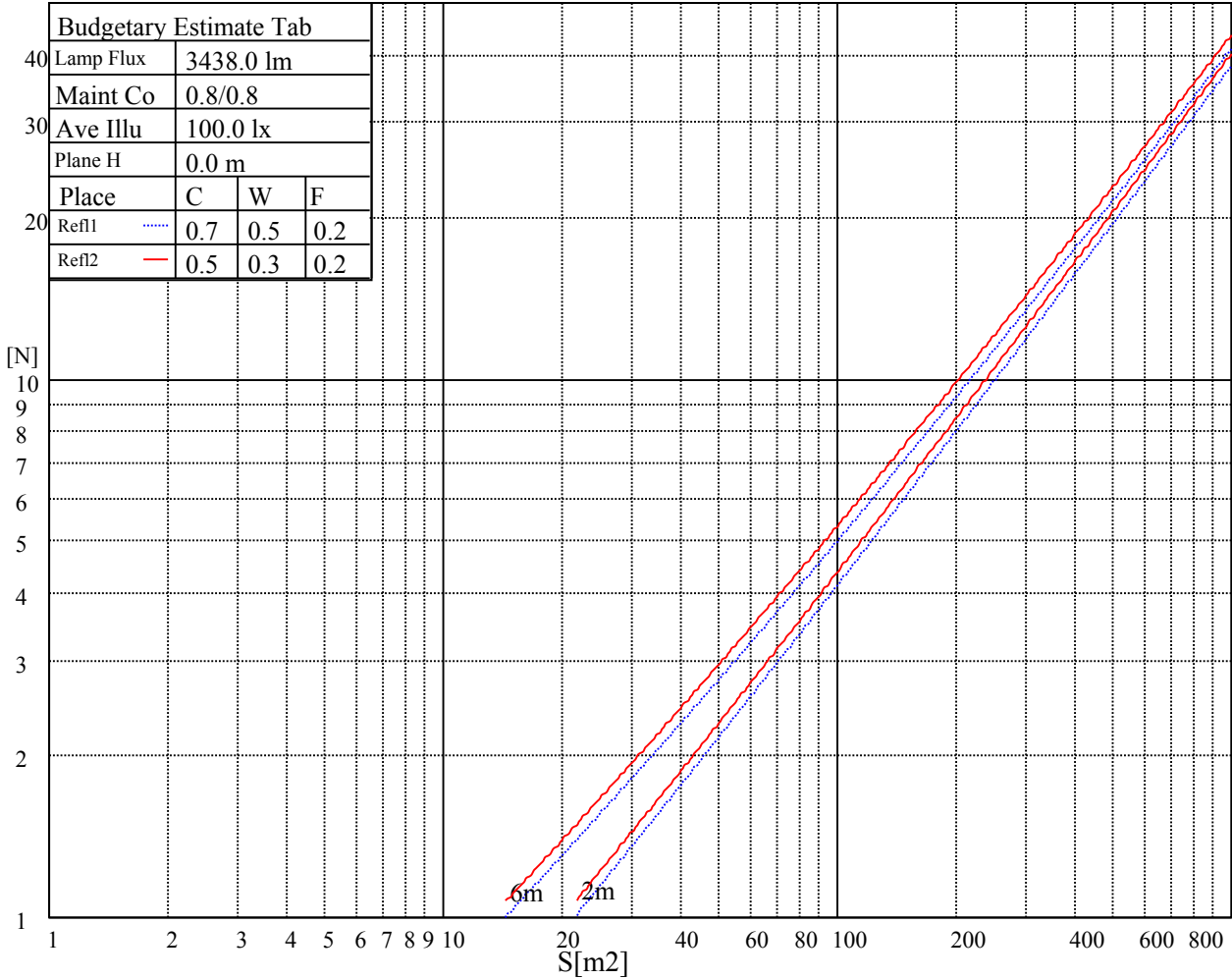
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

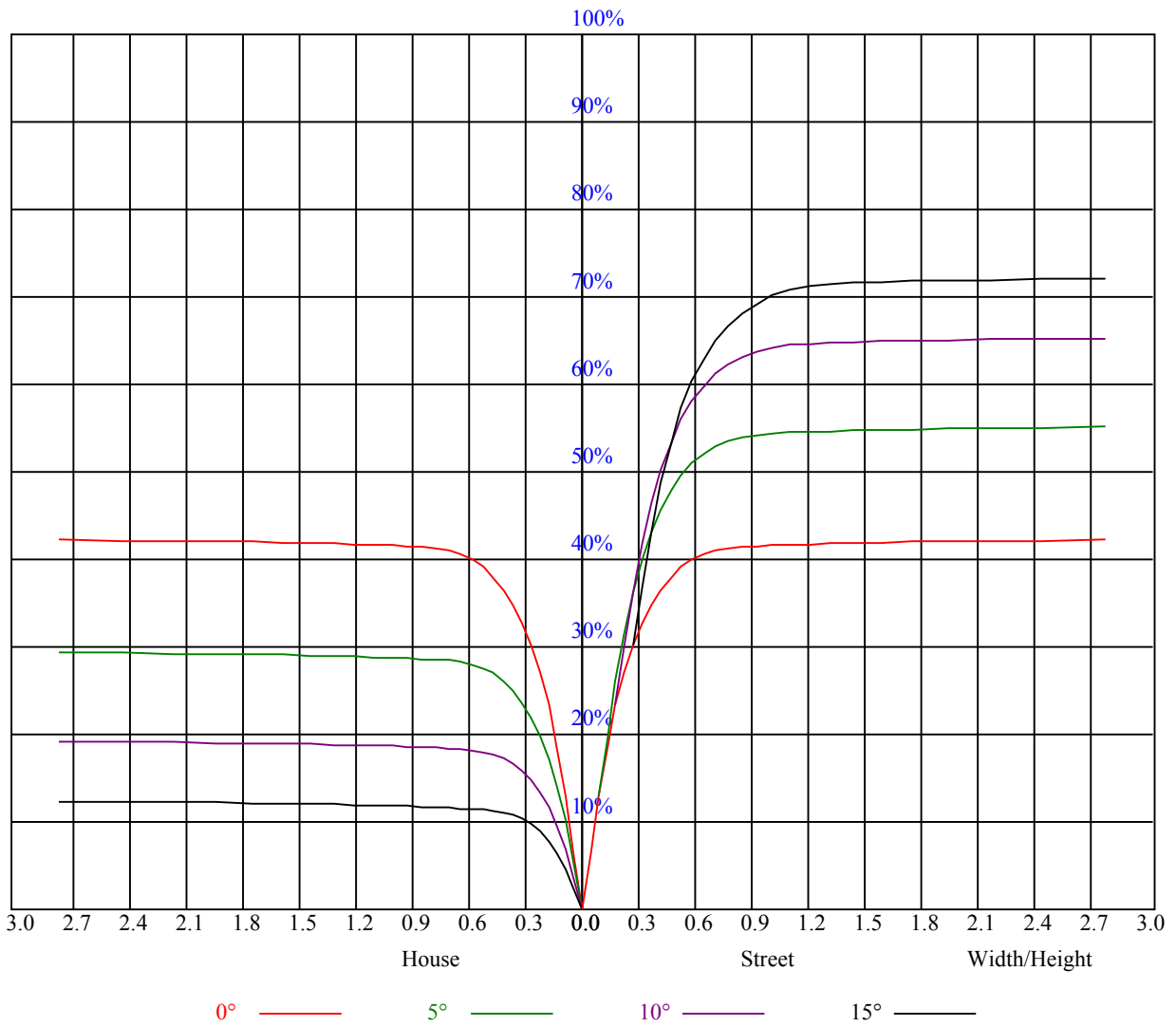


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

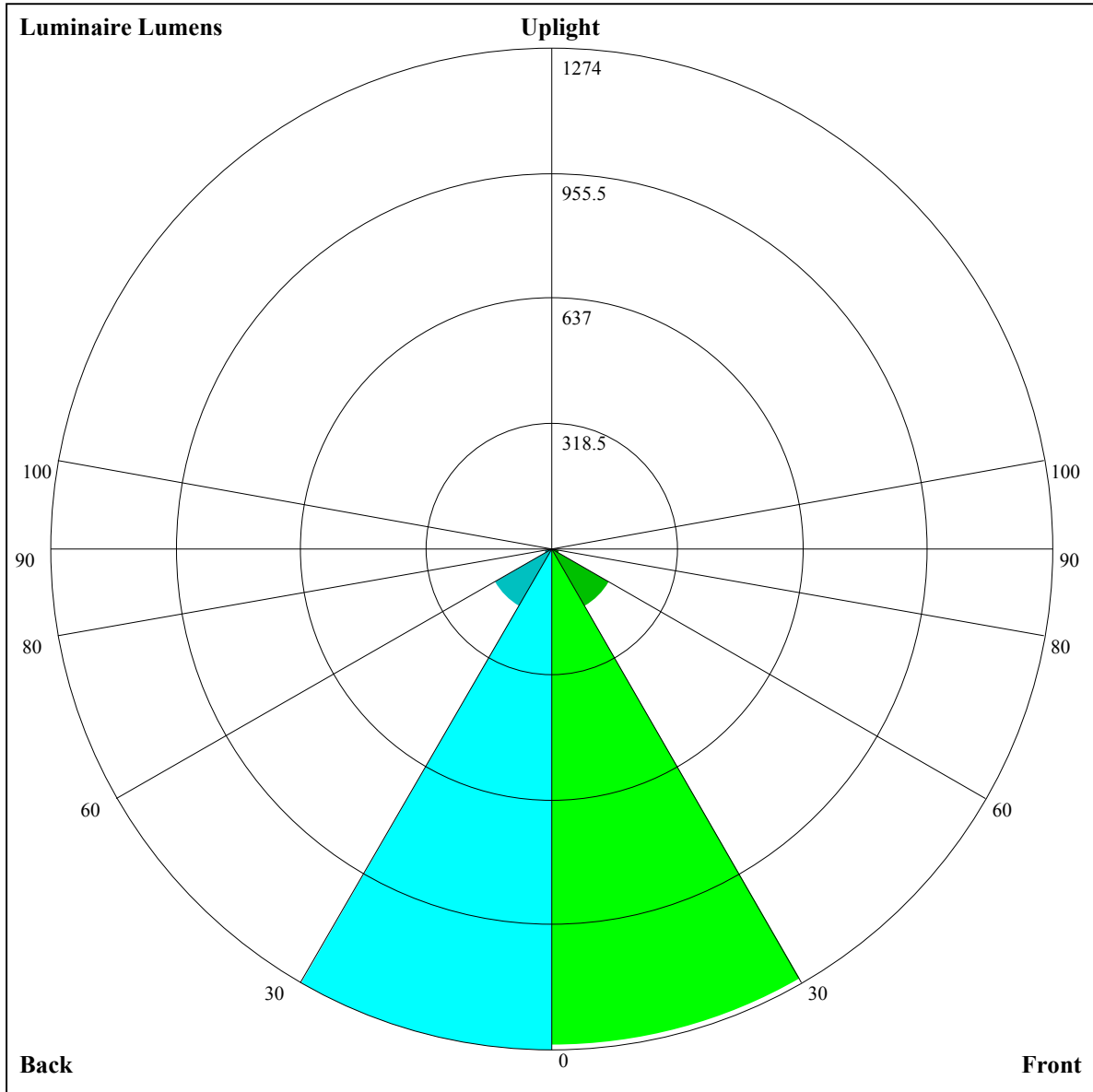
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.92	0.90	0.90	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	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	0.73
4	0.81	0.77	0.74	0.80	0.77	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	0.70	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	0.67	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	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	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	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.57	0.64	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=1262.05,FM=166.9,FH=21.26,FVH=7.41

BL=1274,BM=169.7,BH=20.86,BVH=7.41

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	11657.16	11657.16	11534.26	11228.77	10681.00	10140.84	9487.73	8749.76	7772.43
45.0	11648.38	11830.91	11778.24	11561.71	11257.39	10836.03	10180.57	9513.42	8776.03
90.0	11655.98	11655.98	11544.21	11225.84	10781.66	10238.57	9423.35	8649.68	7840.32
135.0	11675.88	11819.20	11748.98	11567.56	11193.01	10748.24	10198.13	9566.09	8623.88
180.0	11657.16	11813.35	11702.16	11485.63	11075.97	10613.64	10040.12	9197.40	8454.16
225.0	11648.38	11648.38	11392.63	11046.18	10565.13	9966.44	9118.45	8360.00	7581.65
270.0	11655.98	11807.50	11655.34	11415.40	10976.48	10496.60	9905.52	9238.36	8337.12
315.0	11675.88	11675.88	11448.23	11098.85	10528.84	9945.37	9102.06	8352.39	7548.88
360.0	11657.16	11657.16	11534.26	11228.77	10681.00	10140.84	9487.73	8749.76	7772.43
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7007.54	6269.57	5422.75	4817.05	4175.05	3744.33	3374.47	3059.61	2723.11
45.0	7792.86	7020.36	6300.53	5446.10	4843.32	4322.47	3854.29	3368.56	3052.53
90.0	7050.26	6119.76	5434.46	4829.34	4195.54	3758.37	3389.10	2992.31	2725.45
135.0	7839.67	7043.77	6306.38	5451.96	4849.17	4199.57	3754.80	3380.26	2994.01
180.0	7453.43	6669.22	5943.55	5282.24	4539.01	4059.12	3626.05	3263.21	2970.60
225.0	6607.83	5899.13	5240.16	4522.68	4039.87	3524.87	3184.85	2889.31	2627.72
270.0	7558.77	6786.27	6043.03	5223.72	4626.79	4123.50	3702.13	3251.51	2964.75
315.0	6767.02	5885.67	5231.38	4656.11	4161.01	3631.96	3283.17	2983.54	2658.15
360.0	7007.54	6269.57	5422.75	4817.05	4175.05	3744.33	3374.47	3059.61	2723.11
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2497.21	2296.48	2119.74	1917.26	1783.82	1656.25	1542.13	1413.38	1165.59
45.0	2976.45	2976.45	2291.21	2108.62	1909.06	1774.46	1650.39	1512.28	1409.87
90.0	2493.70	2240.30	2063.56	1905.55	1733.49	1611.77	1499.40	1396.41	1149.15
135.0	2994.01	2700.29	2253.17	2080.53	1919.60	1784.99	1656.83	1514.62	1411.04
180.0	2970.60	2412.94	2214.55	1993.92	1844.10	1717.69	1571.97	1468.97	1346.66
225.0	2401.24	2159.54	1991.58	1843.52	1682.00	1572.56	1467.80	1371.24	1158.92
270.0	2964.75	2415.87	2212.21	2040.15	1852.88	1724.13	1611.18	1481.85	1383.53
315.0	2431.67	2236.20	2024.35	1872.78	1713.60	1596.55	1486.53	1384.12	1166.94
360.0	2497.21	2296.48	2119.74	1917.26	1783.82	1656.25	1542.13	1413.38	1165.59
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1165.59	1090.16	988.85	884.74	754.00	651.12	553.51	442.61	364.30
45.0	1309.79	1211.47	1086.82	986.75	881.99	778.41	650.83	556.61	467.65
90.0	1149.15	1073.07	973.29	869.70	740.19	640.41	521.08	433.65	336.45
135.0	1308.62	1209.72	1086.82	984.99	879.65	751.49	650.24	532.03	444.83
180.0	1251.85	1157.63	1058.15	929.40	826.98	723.98	624.49	510.37	426.69
225.0	1158.92	1062.24	937.53	832.37	729.89	604.95	512.66	427.98	335.33
270.0	1286.97	1172.26	1073.36	970.36	865.61	731.00	628.00	531.44	421.42
315.0	1166.94	1068.56	968.20	863.91	734.22	633.56	537.65	429.73	353.83
360.0	1165.59	1090.16	988.85	884.74	754.00	651.12	553.51	442.61	364.30
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	294.37	233.97	171.88	133.14	104.76	83.51	65.08	54.89	47.70
45.0	369.34	297.35	297.35	166.03	128.11	100.42	76.20	62.85	53.20
90.0	268.21	211.15	163.80	118.92	93.93	75.49	62.21	50.97	45.06
135.0	368.75	296.77	296.77	168.02	129.80	95.39	76.49	63.09	53.61
180.0	353.53	302.62	302.62	163.69	127.11	93.23	74.56	59.05	50.91
225.0	269.38	211.50	163.86	117.40	90.83	71.98	59.11	48.52	43.13
270.0	344.76	308.47	308.47	152.39	117.40	85.68	68.53	56.83	48.81
315.0	285.41	212.79	166.44	129.74	95.74	76.78	63.32	52.20	46.06
360.0	294.37	233.97	171.88	133.14	104.76	83.51	65.08	54.89	47.70

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	41.67	38.39	35.58	33.94	32.77	31.84	31.13	30.84	30.61
45.0	46.58	41.02	37.92	35.70	34.00	32.48	31.72	31.19	30.78
90.0	40.73	37.57	34.82	33.18	31.95	30.84	30.26	29.85	29.61
135.0	45.65	41.38	38.22	35.41	33.65	32.48	31.37	30.72	30.37
180.0	45.18	41.08	37.45	35.41	33.71	32.48	31.37	30.72	30.37
225.0	39.39	35.99	34.00	32.19	31.13	30.43	29.67	29.61	29.44
270.0	42.19	38.51	35.82	33.77	31.84	30.72	29.96	29.32	29.09
315.0	41.73	38.51	35.52	33.83	32.48	31.49	30.67	30.37	30.02
360.0	41.67	38.39	35.58	33.94	32.77	31.84	31.13	30.84	30.61
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.61	30.61	30.72	30.78	30.67	30.26	29.55	28.50	27.21
45.0	30.61	30.61	30.67	30.72	30.78	30.61	30.26	29.61	28.62
90.0	29.50	29.55	29.55	29.50	29.44	29.26	28.56	27.80	26.80
135.0	30.14	30.20	30.26	30.31	30.49	30.31	30.08	29.44	28.50
180.0	30.14	30.14	30.14	30.26	30.14	29.90	29.32	28.68	27.68
225.0	29.61	29.67	29.96	29.96	29.90	29.44	28.68	27.45	26.10
270.0	28.91	29.09	29.14	29.44	29.44	29.38	28.97	28.32	27.21
315.0	30.02	30.08	30.20	30.26	30.14	29.67	28.85	27.86	26.57
360.0	30.61	30.61	30.72	30.78	30.67	30.26	29.55	28.50	27.21
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.57	23.99	22.59	21.48	21.36	21.89	22.71	23.58	23.58
45.0	27.39	26.10	24.46	22.47	21.07	20.13	19.37	18.55	18.08
90.0	25.63	23.76	22.30	20.60	19.66	18.96	18.26	17.85	17.67
135.0	27.39	25.81	24.23	22.71	21.01	20.19	19.49	18.96	19.25
180.0	26.16	24.70	23.17	21.71	20.37	19.49	18.84	18.38	18.14
225.0	24.64	22.94	21.24	20.01	19.20	18.38	17.91	17.50	17.09
270.0	25.87	24.52	22.88	21.13	20.01	19.20	18.38	17.91	17.44
315.0	25.28	23.35	21.95	20.78	19.72	19.08	18.49	18.26	18.67
360.0	25.57	23.99	22.59	21.48	21.36	21.89	22.71	23.58	23.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.29	22.71	21.54	20.78	19.96	18.96	18.14	17.32	16.39
45.0	17.62	17.21	16.91	16.56	16.33	16.09	15.86	15.51	15.27
90.0	17.97	18.32	18.73	18.96	18.90	18.67	18.08	17.32	16.21
135.0	20.19	21.01	21.83	22.24	22.82	22.77	22.41	21.59	20.01
180.0	17.79	17.21	16.80	16.44	16.09	15.80	15.51	15.22	14.98
225.0	16.68	16.39	16.09	15.86	15.57	15.33	15.04	14.81	14.51
270.0	17.15	17.38	17.50	17.62	17.56	17.32	16.85	16.33	15.63
315.0	19.14	19.55	19.96	19.96	19.84	19.08	18.32	16.97	15.98
360.0	23.29	22.71	21.54	20.78	19.96	18.96	18.14	17.32	16.39
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.39	14.40	14.05	13.64	13.46	13.17	12.76	12.58	12.35
45.0	15.04	14.75	14.51	14.22	14.05	13.93	12.93	12.64	12.47
90.0	15.04	14.40	14.10	14.05	13.23	12.93	12.70	12.52	12.35
135.0	16.97	14.75	14.16	13.99	13.58	13.17	12.87	12.64	12.47
180.0	14.69	14.28	13.99	13.69	13.40	12.93	12.76	12.58	12.35
225.0	14.22	13.99	13.69	13.34	12.99	12.76	12.58	12.47	12.35
270.0	14.86	14.05	13.69	13.46	13.23	12.93	12.76	12.52	12.41
315.0	14.63	14.16	13.75	13.46	13.23	12.82	12.58	12.47	12.35
360.0	15.39	14.40	14.05	13.64	13.46	13.17	12.76	12.58	12.35

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	12.35
45.0	12.35
90.0	12.29
135.0	12.35
180.0	12.29
225.0	12.35
270.0	12.35
315.0	12.35
360.0	12.35