



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

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## Nata

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Client:

LumCAT: 2-2763-L

Luminaire: 92.70.411.00

Report No: 2024902-B025

Ballast type:

Test No: 2024902-C025

Voltage(V):

LampCAT: LUMILEDS LUXEON CoB 1208 Current(A):

Lamp flux(lm): 4053.0 Power (W): 32.800

Number of Lamps: 1 PF:

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

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## Photometric Results

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Lumens(lm): 3793.48, Efficiency(%): 93.60% , Luminous Efficacy(lm/W): 115.65

Central intensity(cd): 5406.027, Maximum intensity(cd): 5411.454

Angle of maximum intensity: C=0.0  $\gamma$ =2.0

Beam Angle(50%Imax): [C0/180]Total=51.6

[C90/270]Total=51.6

Field angle(10%Imax): [C0/180]Total=74.6

[C90/270]Total=74.6

Maximum s/h(1/2): C0\_180=0.82 C90\_270=0.82

Maximum s/h(1/4): C0\_180=0.79 C90\_270=0.79

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.60%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.073%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5406.027	0.000	0	0.00%	0.00%
1.0	5409.437	5.175	5.175	0.13%	0.14%
2.0	5411.454	15.531	20.706	0.38%	0.55%
3.0	5409.503	25.880	46.586	0.64%	1.23%
4.0	5406.099	36.203	82.79	0.89%	2.18%
5.0	5400.731	46.490	129.28	1.15%	3.41%
6.0	5379.424	56.653	185.933	1.40%	4.90%
7.0	5342.729	66.552	252.485	1.64%	6.66%
8.0	5302.597	76.187	328.671	1.88%	8.66%
9.0	5248.694	85.512	414.184	2.11%	10.92%
10.0	5177.590	94.354	508.538	2.33%	13.41%
11.0	5084.403	102.538	611.076	2.53%	16.11%
12.0	4982.570	110.046	721.123	2.72%	19.01%
13.0	4877.209	117.011	838.133	2.89%	22.09%
14.0	4758.608	123.338	961.471	3.04%	25.35%
15.0	4631.151	128.907	1090.378	3.18%	28.74%
16.0	4462.543	133.248	1223.626	3.29%	32.26%
17.0	4317.254	136.725	1360.351	3.37%	35.86%
18.0	4164.041	139.838	1500.189	3.45%	39.55%
19.0	3989.645	141.857	1642.047	3.50%	43.29%
20.0	3813.587	142.821	1784.867	3.52%	47.05%
21.0	3629.999	142.932	1927.799	3.53%	50.82%
22.0	3438.895	142.052	2069.852	3.50%	54.56%
23.0	3244.722	140.240	2210.092	3.46%	58.26%
24.0	3054.808	137.730	2347.822	3.40%	61.89%
25.0	2842.718	134.097	2481.919	3.31%	65.43%
26.0	2660.188	129.897	2611.816	3.20%	68.85%
27.0	2442.822	124.846	2736.662	3.08%	72.14%
28.0	2231.318	118.339	2855.001	2.92%	75.26%
29.0	2035.890	111.642	2966.644	2.75%	78.20%
30.0	1756.481	102.393	3069.037	2.53%	80.90%
31.0	1553.583	92.114	3161.151	2.27%	83.33%
32.0	1364.890	83.611	3244.762	2.06%	85.54%
33.0	1113.018	73.000	3317.762	1.80%	87.46%
34.0	976.769	63.243	3381.005	1.56%	89.13%
35.0	830.290	56.121	3437.126	1.38%	90.61%
36.0	691.867	48.466	3485.592	1.20%	91.88%
37.0	573.720	41.276	3526.868	1.02%	92.97%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	475.277	35.014	3561.882	0.86%	93.89%
39.0	392.379	29.615	3591.498	0.73%	94.68%
40.0	329.192	25.166	3616.663	0.62%	95.34%
41.0	274.508	21.497	3638.161	0.53%	95.91%
42.0	218.476	17.911	3656.072	0.44%	96.38%
43.0	184.994	14.946	3671.017	0.37%	96.77%
44.0	159.094	12.987	3684.004	0.32%	97.11%
45.0	117.963	10.648	3694.652	0.26%	97.39%
46.0	99.376	8.500	3703.152	0.21%	97.62%
47.0	82.471	7.233	3710.384	0.18%	97.81%
48.0	70.690	6.192	3716.576	0.15%	97.97%
49.0	61.196	5.416	3721.992	0.13%	98.12%
50.0	54.028	4.804	3726.796	0.12%	98.24%
51.0	48.233	4.327	3731.122	0.11%	98.36%
52.0	43.581	3.940	3735.062	0.10%	98.46%
53.0	40.066	3.639	3738.701	0.09%	98.56%
54.0	36.518	3.376	3742.076	0.08%	98.64%
55.0	33.706	3.135	3745.211	0.08%	98.73%
56.0	31.321	2.938	3748.149	0.07%	98.80%
57.0	29.067	2.761	3750.91	0.07%	98.88%
58.0	27.221	2.603	3753.513	0.06%	98.95%
59.0	25.545	2.467	3755.98	0.06%	99.01%
60.0	24.041	2.343	3758.323	0.06%	99.07%
61.0	22.687	2.230	3760.553	0.06%	99.13%
62.0	21.590	2.134	3762.686	0.05%	99.19%
63.0	20.545	2.049	3764.736	0.05%	99.24%
64.0	19.777	1.979	3766.714	0.05%	99.29%
65.0	19.080	1.923	3768.637	0.05%	99.35%
66.0	18.259	1.863	3770.5	0.05%	99.39%
67.0	17.628	1.804	3772.305	0.04%	99.44%
68.0	16.958	1.752	3774.057	0.04%	99.49%
69.0	16.196	1.691	3775.748	0.04%	99.53%
70.0	15.532	1.629	3777.377	0.04%	99.58%
71.0	14.882	1.572	3778.949	0.04%	99.62%
72.0	14.100	1.507	3780.456	0.04%	99.66%
73.0	13.239	1.430	3781.886	0.04%	99.69%
74.0	12.162	1.335	3783.221	0.03%	99.73%
75.0	11.137	1.231	3784.452	0.03%	99.76%

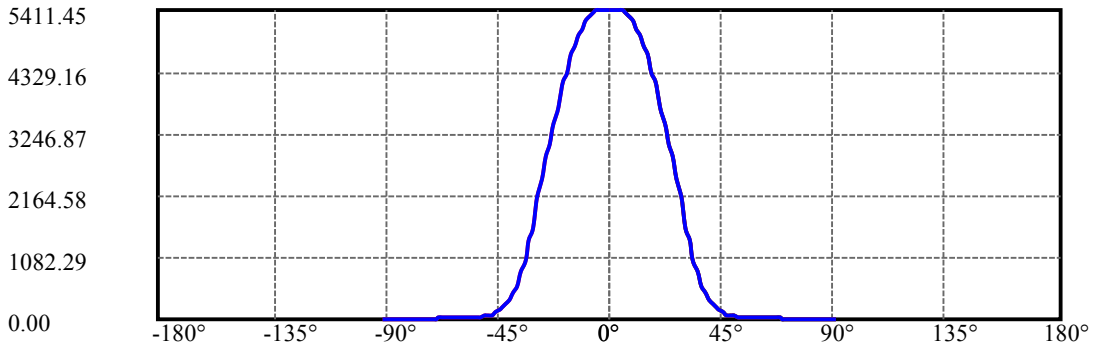
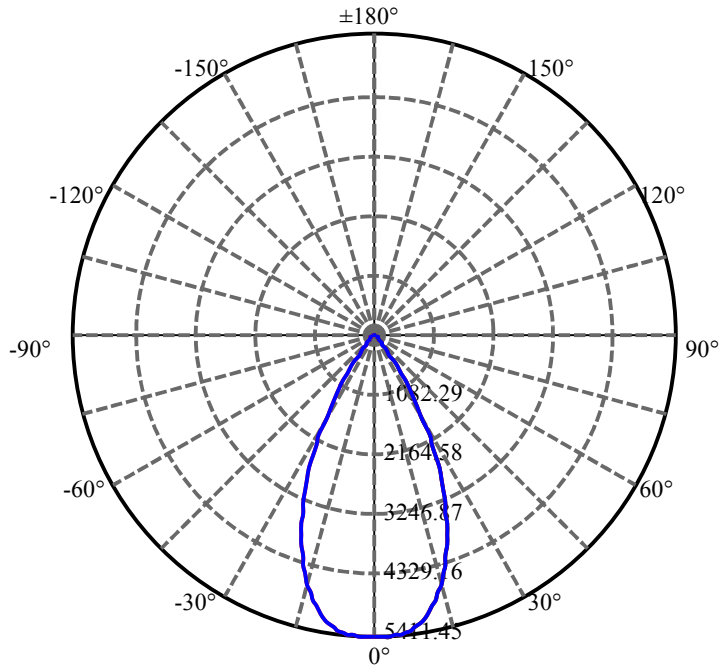
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.118	1.128	3785.581	0.03%	99.79%
77.0	9.369	1.039	3786.62	0.03%	99.82%
78.0	8.515	0.957	3787.577	0.02%	99.84%
79.0	7.733	0.873	3788.45	0.02%	99.87%
80.0	6.932	0.791	3789.241	0.02%	99.89%
81.0	6.163	0.708	3789.949	0.02%	99.91%
82.0	5.552	0.635	3790.584	0.02%	99.92%
83.0	4.862	0.566	3791.15	0.01%	99.94%
84.0	4.205	0.494	3791.644	0.01%	99.95%
85.0	3.647	0.429	3792.073	0.01%	99.96%
86.0	3.167	0.372	3792.445	0.01%	99.97%
87.0	2.720	0.322	3792.767	0.01%	99.98%
88.0	2.280	0.274	3793.041	0.01%	99.99%
89.0	1.971	0.233	3793.274	0.01%	99.99%
90.0	1.807	0.207	3793.481	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3069.04	75.72%	80.90%
0-40	3616.66	89.23%	95.34%
0-60	3758.32	92.73%	99.07%
0-90	3793.27	93.59%	99.99%
0-120	3793.27	93.59%	99.99%
0-180	3793.48	93.60%	100.00%
60-90	34.95	0.86%	0.92%
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%
0-29.67	3034.79	74.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	508.54
10-20	1276.33
20-30	1284.17
30-40	547.63
40-50	110.13
50-60	31.53
60-70	19.05
70-80	11.86
80-90	4.03
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: —————

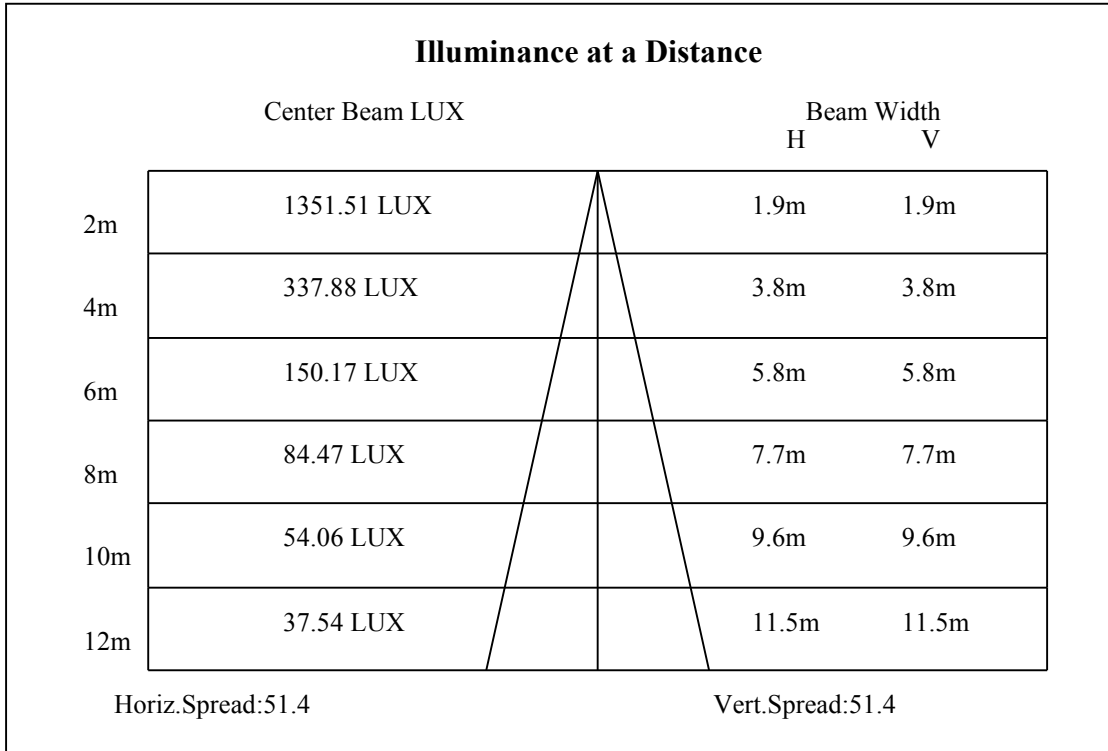
C90/C270: —————

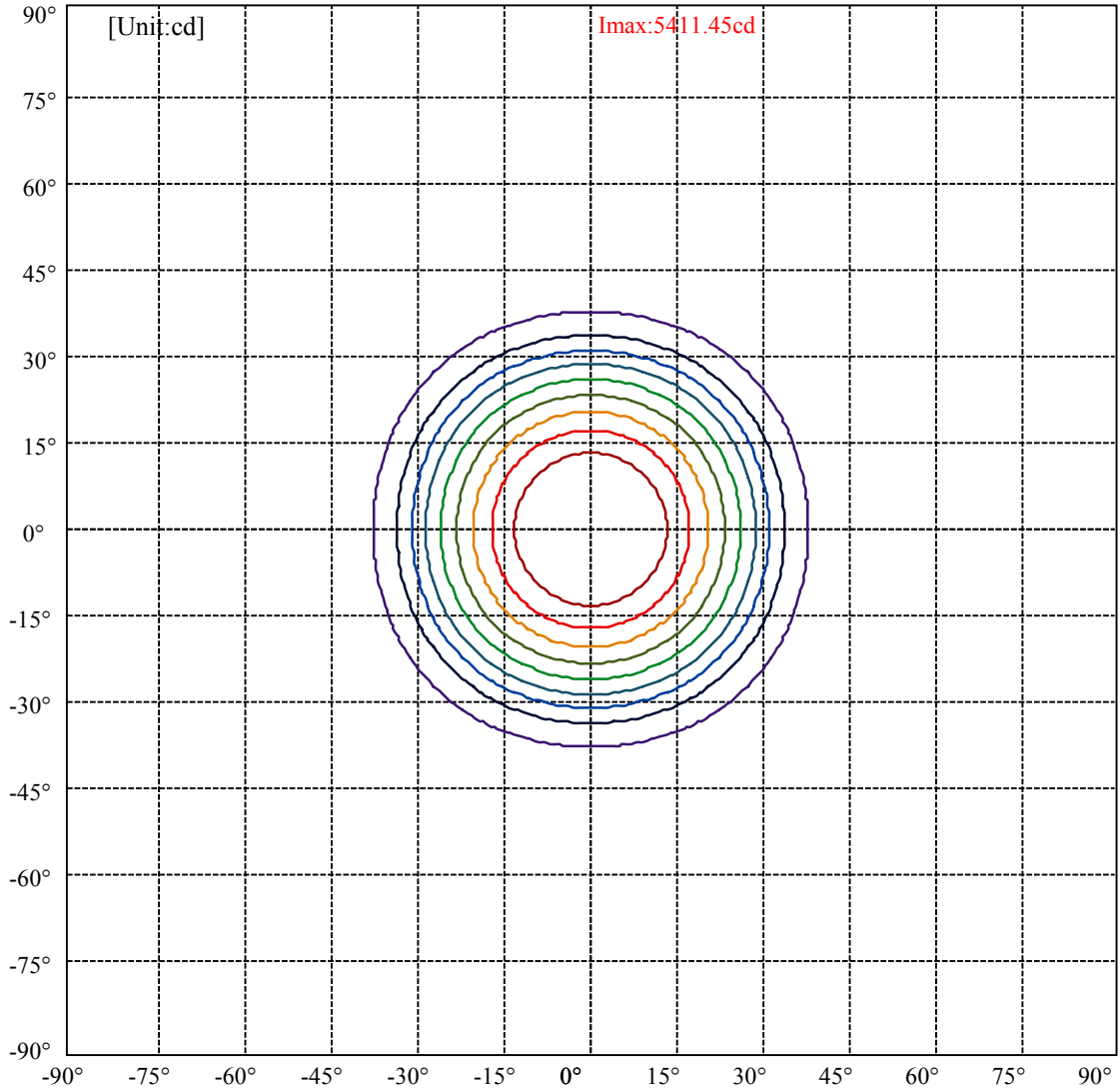
Field angle(10%Imax):C0/180Left:39.3 Right:35.3

:C90/270Left:39.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:27.8 Right:23.8

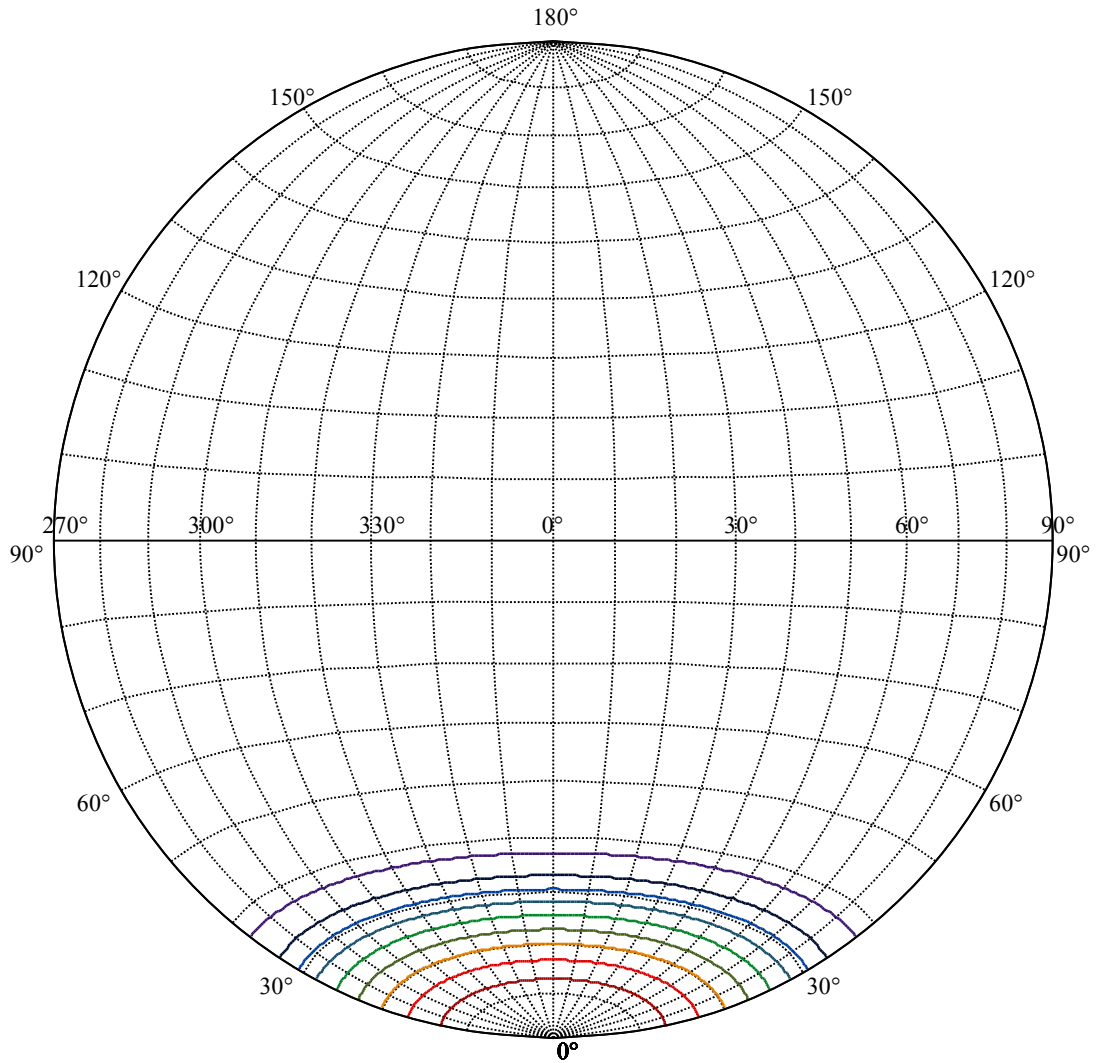
:C90/270Left:27.8 Right:23.8





(10%Imax) 541.145	—
(20%Imax) 1082.29	—
(30%Imax) 1623.44	—
(40%Imax) 2164.58	—
(50%Imax) 2705.73	—
(60%Imax) 3246.87	—
(70%Imax) 3788.02	—
(80%Imax) 4329.16	—
(90%Imax) 4870.31	—





House

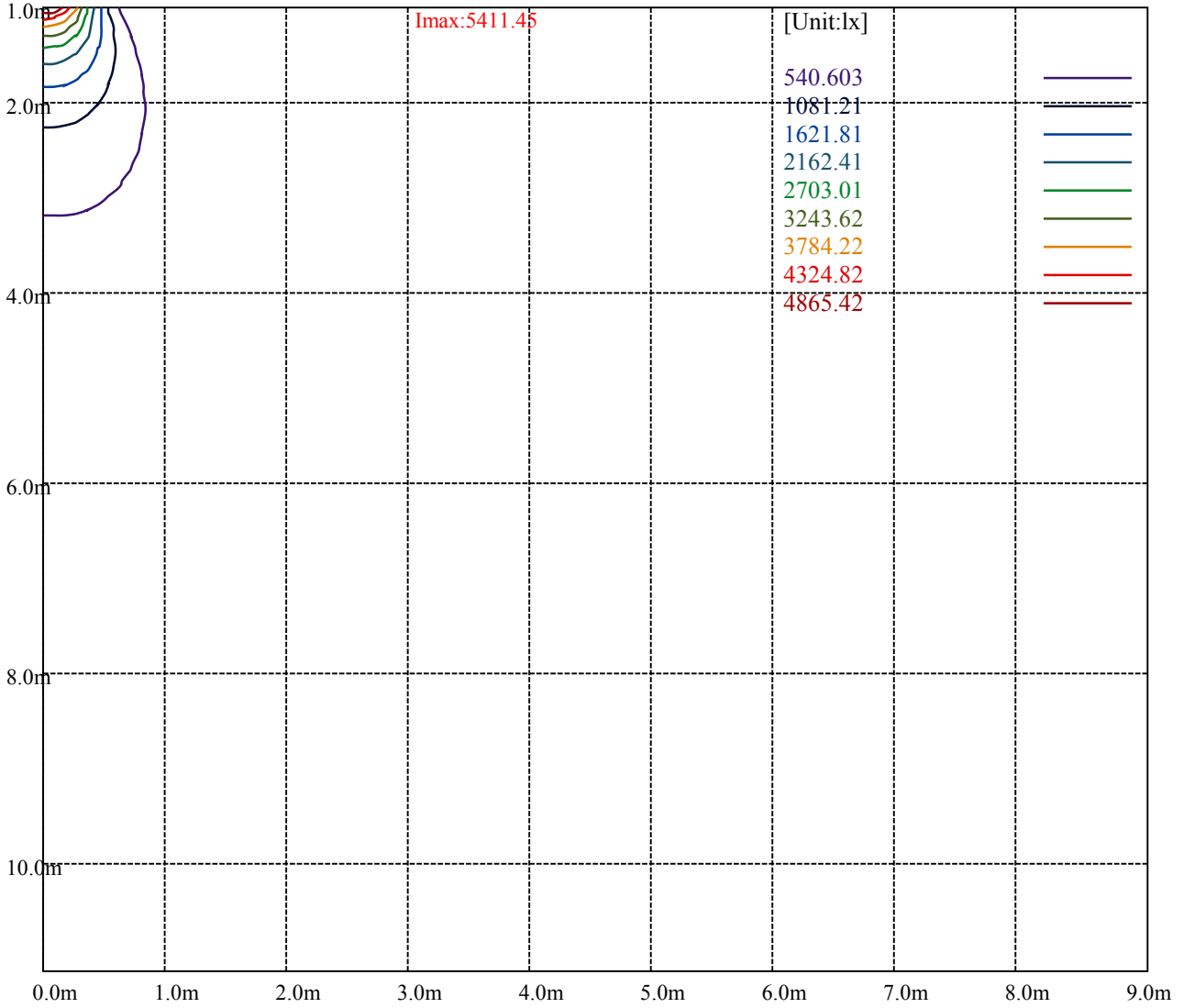
[Unit:cd]

Road

**I<sub>max</sub>:5411.45**

(10%I <sub>max</sub> ) 541.145	—
(20%I <sub>max</sub> ) 1082.29	—
(30%I <sub>max</sub> ) 1623.44	—
(40%I <sub>max</sub> ) 2164.58	—
(50%I <sub>max</sub> ) 2705.73	—
(60%I <sub>max</sub> ) 3246.87	—
(70%I <sub>max</sub> ) 3788.02	—
(80%I <sub>max</sub> ) 4329.16	—
(90%I <sub>max</sub> ) 4870.31	—





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

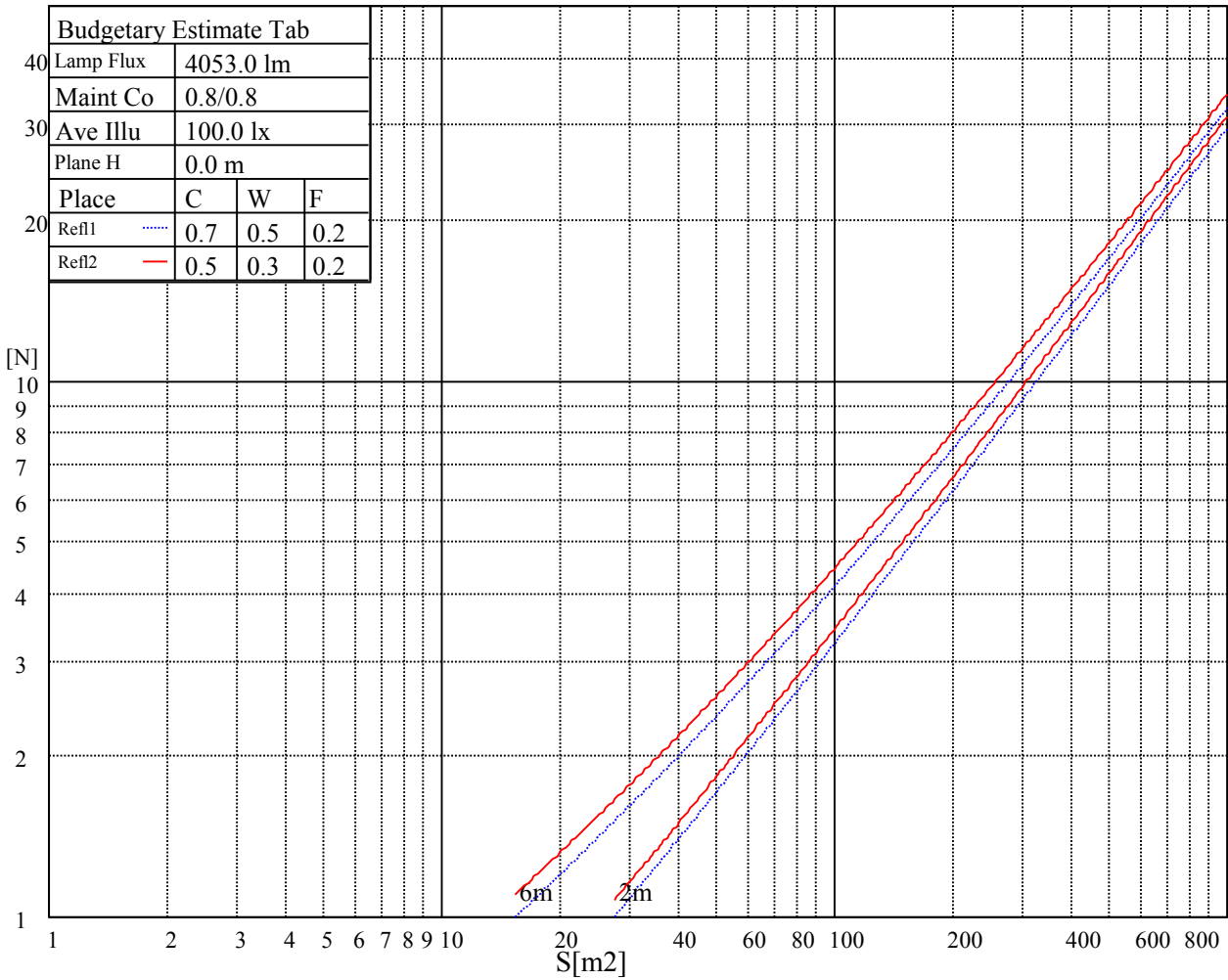
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

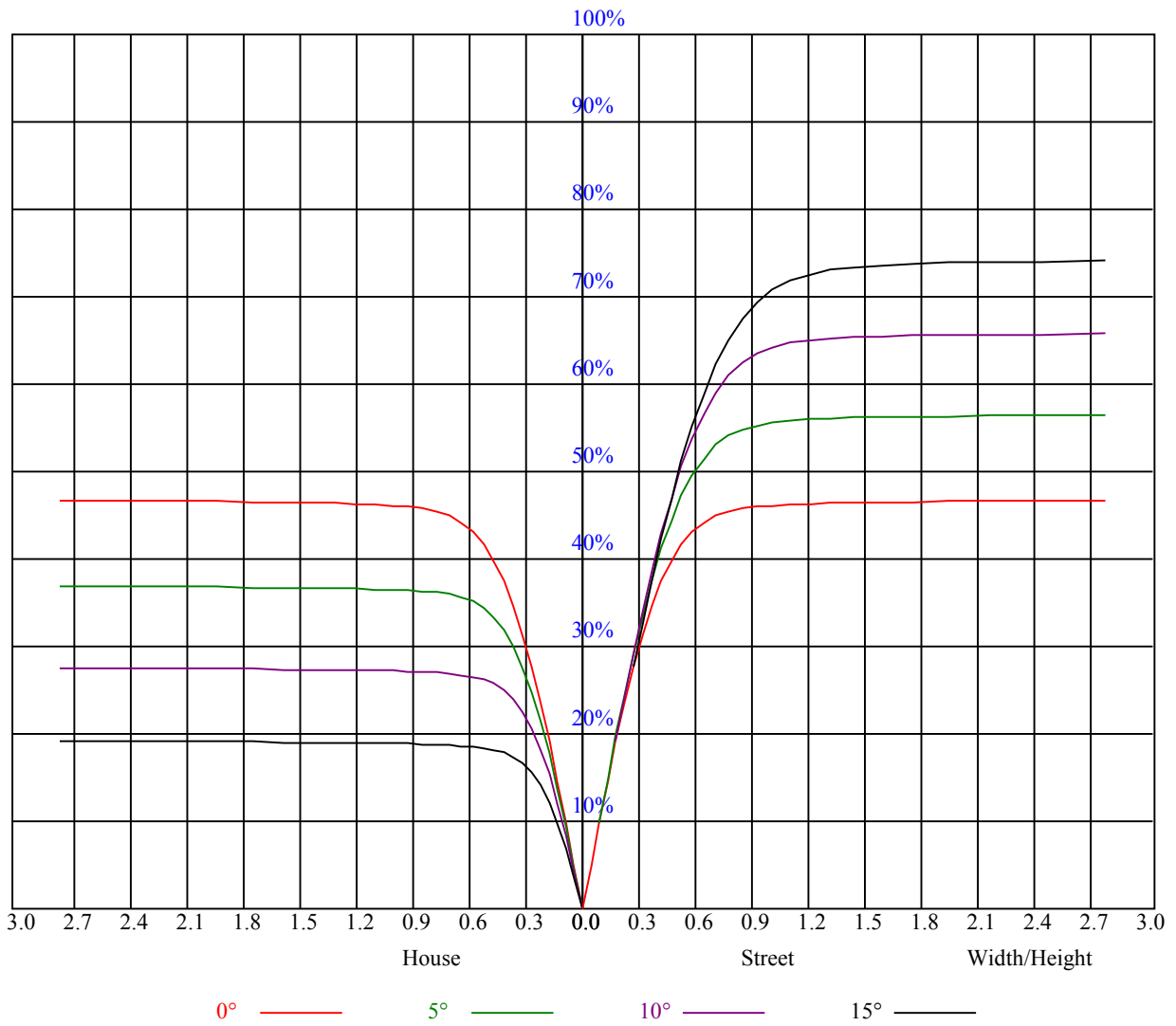


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

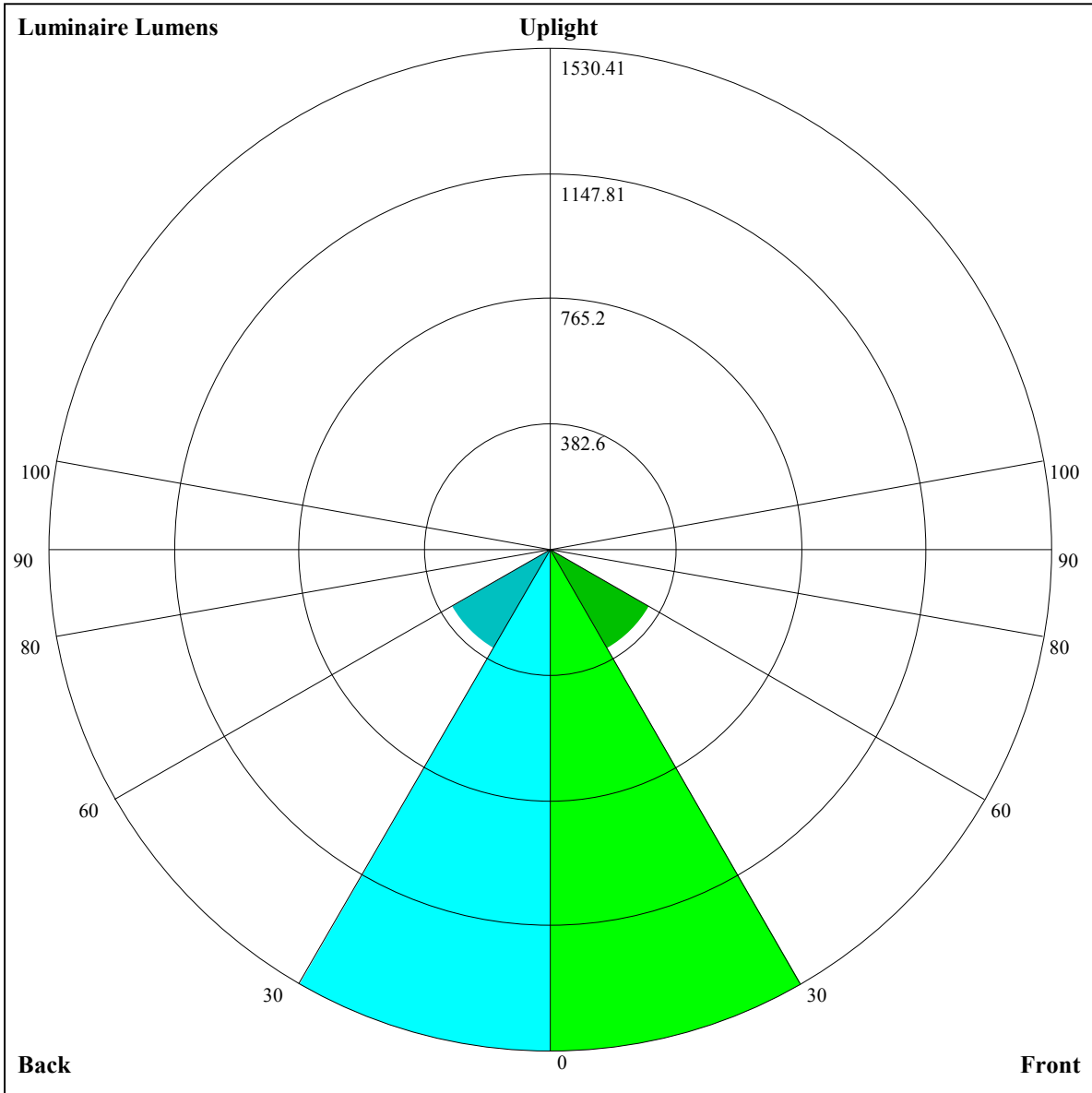
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.79	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
6	0.77	0.71	0.68	0.76	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.61	0.56	0.54	0.60	0.56	0.53	0.52







Luminaire Lumens:

FL=1530.41,FM=347.14,FH=15.48,FVH=2.14

BL=1530.41,BM=347.14,BH=15.48,BVH=2.14

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	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
45.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
90.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
135.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
180.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
225.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
270.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
315.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
360.0	5406.03	5409.44	5411.45	5409.50	5406.10	5400.73	5379.42	5342.73	5302.60
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
45.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
90.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
135.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
180.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
225.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
270.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
315.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
360.0	5248.69	5177.59	5084.40	4982.57	4877.21	4758.61	4631.15	4462.54	4317.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
45.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
90.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
135.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
180.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
225.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
270.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
315.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
360.0	4164.04	3989.65	3813.59	3630.00	3438.90	3244.72	3054.81	2842.72	2660.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
45.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
90.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
135.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
180.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
225.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
270.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
315.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
360.0	2442.82	2231.32	2035.89	1756.48	1553.58	1364.89	1113.02	976.77	830.29
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
45.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
90.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
135.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
180.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
225.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
270.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
315.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09
360.0	691.87	573.72	475.28	392.38	329.19	274.51	218.48	184.99	159.09

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	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
45.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
90.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
135.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
180.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
225.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
270.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
315.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
360.0	117.96	99.38	82.47	70.69	61.20	54.03	48.23	43.58	40.07
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
45.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
90.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
135.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
180.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
225.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
270.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
315.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
360.0	36.52	33.71	31.32	29.07	27.22	25.55	24.04	22.69	21.59
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
45.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
90.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
135.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
180.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
225.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
270.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
315.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
360.0	20.55	19.78	19.08	18.26	17.63	16.96	16.20	15.53	14.88
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
45.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
90.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
135.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
180.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
225.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
270.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
315.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
360.0	14.10	13.24	12.16	11.14	10.12	9.37	8.52	7.73	6.93
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
45.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
90.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
135.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
180.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
225.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
270.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
315.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97
360.0	6.16	5.55	4.86	4.21	3.65	3.17	2.72	2.28	1.97

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	1.81
45.0	1.81
90.0	1.81
135.0	1.81
180.0	1.81
225.0	1.81
270.0	1.81
315.0	1.81
360.0	1.81