



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: 3-2834-L

Luminaire: 92.70.412.00

Report No: 2024302-B012

Ballast type: AC

Test No: 2024302-C012

Voltage(V): 34.120

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.083

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2184.34, Efficiency(%): 84.83% , Luminous Efficacy(lm/W): 120.80

Central intensity(cd): 5057.135, Maximum intensity(cd): 5057.135

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

Beam Angle(50%Imax): [C0/180]Total=35.0

[C90/270]Total=35.0

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

[C90/270]Total=64.8

Maximum s/h(1/2): C0\_180=0.58 C90\_270=0.58

Maximum s/h(1/4): C0\_180=0.58 C90\_270=0.58

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  $\pi$  solid angle : 97.938%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/02  
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	5057.134	0.000	0	0.00%	0.00%
1.0	5048.575	4.835	4.835	0.19%	0.22%
2.0	5025.386	14.459	19.294	0.56%	0.88%
3.0	4986.249	23.945	43.239	0.93%	1.98%
4.0	4939.065	33.223	76.462	1.29%	3.50%
5.0	4871.910	42.206	118.669	1.64%	5.43%
6.0	4793.417	50.794	169.462	1.97%	7.76%
7.0	4691.149	58.871	228.333	2.29%	10.45%
8.0	4555.157	66.174	294.507	2.57%	13.48%
9.0	4407.315	72.636	367.143	2.82%	16.81%
10.0	4225.602	78.125	445.268	3.03%	20.38%
11.0	4026.041	82.451	527.719	3.20%	24.16%
12.0	3790.707	85.448	613.167	3.32%	28.07%
13.0	3578.490	87.454	700.621	3.40%	32.07%
14.0	3342.425	88.587	789.208	3.44%	36.13%
15.0	3110.603	88.590	877.798	3.44%	40.19%
16.0	2880.902	87.792	965.59	3.41%	44.21%
17.0	2648.933	86.114	1051.705	3.34%	48.15%
18.0	2429.766	83.737	1135.441	3.25%	51.98%
19.0	2223.840	80.963	1216.405	3.14%	55.69%
20.0	2022.230	77.715	1294.119	3.02%	59.25%
21.0	1853.905	74.430	1368.549	2.89%	62.65%
22.0	1668.023	70.775	1439.324	2.75%	65.89%
23.0	1488.278	66.228	1505.551	2.57%	68.92%
24.0	1350.582	62.068	1567.619	2.41%	71.77%
25.0	1236.507	58.825	1626.444	2.28%	74.46%
26.0	1140.450	56.108	1682.552	2.18%	77.03%
27.0	1041.079	53.372	1735.924	2.07%	79.47%
28.0	945.065	50.285	1786.209	1.95%	81.77%
29.0	851.071	46.992	1833.201	1.82%	83.92%
30.0	761.414	43.537	1876.737	1.69%	85.92%
31.0	651.107	39.308	1916.046	1.53%	87.72%
32.0	553.359	34.507	1950.552	1.34%	89.30%
33.0	447.134	29.475	1980.027	1.14%	90.65%
34.0	348.136	24.067	2004.095	0.93%	91.75%
35.0	273.454	19.304	2023.399	0.75%	92.63%
36.0	210.630	15.413	2038.812	0.60%	93.34%
37.0	153.351	11.871	2050.683	0.46%	93.88%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	115.158	8.962	2059.646	0.35%	94.29%
39.0	80.432	6.676	2066.322	0.26%	94.60%
40.0	72.166	5.322	2071.644	0.21%	94.84%
41.0	65.977	4.919	2076.563	0.19%	95.07%
42.0	61.412	4.628	2081.191	0.18%	95.28%
43.0	57.155	4.392	2085.583	0.17%	95.48%
44.0	53.394	4.172	2089.756	0.16%	95.67%
45.0	50.139	3.979	2093.735	0.15%	95.85%
46.0	47.228	3.808	2097.542	0.15%	96.03%
47.0	44.719	3.657	2101.199	0.14%	96.19%
48.0	42.304	3.518	2104.717	0.14%	96.35%
49.0	40.381	3.396	2108.113	0.13%	96.51%
50.0	38.449	3.287	2111.399	0.13%	96.66%
51.0	36.869	3.187	2114.586	0.12%	96.81%
52.0	35.274	3.096	2117.682	0.12%	96.95%
53.0	33.789	3.004	2120.686	0.12%	97.09%
54.0	32.458	2.920	2123.606	0.11%	97.22%
55.0	31.061	2.835	2126.441	0.11%	97.35%
56.0	29.788	2.750	2129.191	0.11%	97.48%
57.0	28.413	2.661	2131.852	0.10%	97.60%
58.0	27.154	2.570	2134.422	0.10%	97.71%
59.0	25.911	2.481	2136.902	0.10%	97.83%
60.0	24.726	2.392	2139.295	0.09%	97.94%
61.0	23.548	2.304	2141.598	0.09%	98.04%
62.0	22.363	2.212	2143.811	0.09%	98.14%
63.0	21.419	2.129	2145.94	0.08%	98.24%
64.0	20.417	2.053	2147.993	0.08%	98.34%
65.0	19.547	1.978	2149.971	0.08%	98.43%
66.0	18.698	1.908	2151.879	0.07%	98.51%
67.0	17.937	1.842	2153.721	0.07%	98.60%
68.0	17.235	1.782	2155.503	0.07%	98.68%
69.0	16.547	1.723	2157.226	0.07%	98.76%
70.0	15.903	1.667	2158.893	0.06%	98.83%
71.0	15.289	1.612	2160.505	0.06%	98.91%
72.0	14.718	1.560	2162.065	0.06%	98.98%
73.0	14.177	1.511	2163.576	0.06%	99.05%
74.0	13.687	1.465	2165.041	0.06%	99.12%
75.0	13.270	1.424	2166.465	0.06%	99.18%

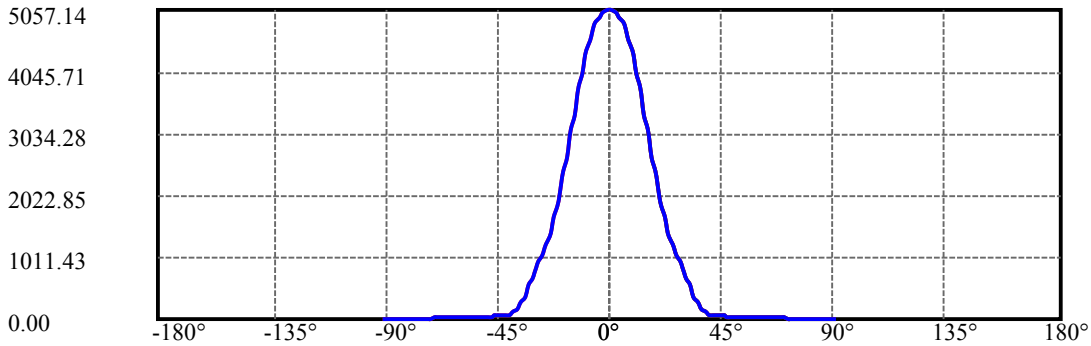
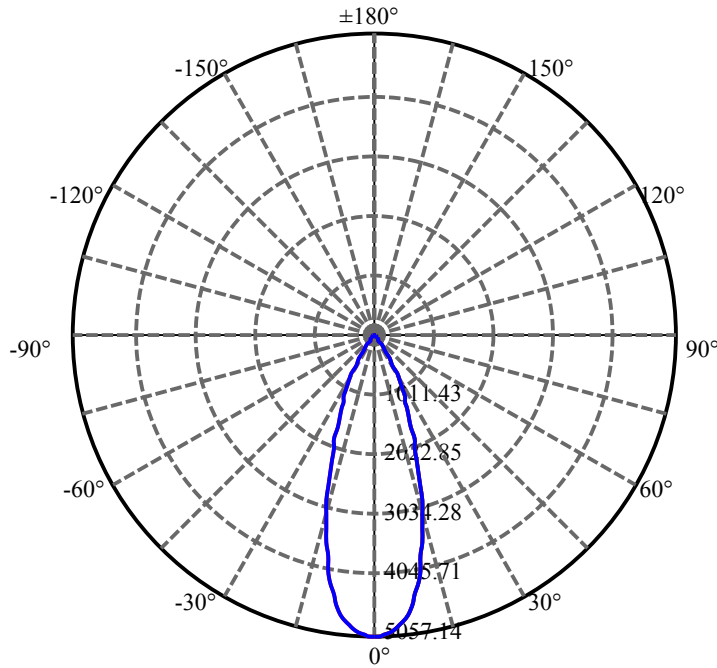
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.846	1.386	2167.852	0.05%	99.24%
77.0	12.509	1.352	2169.203	0.05%	99.31%
78.0	12.173	1.321	2170.525	0.05%	99.37%
79.0	11.836	1.290	2171.815	0.05%	99.43%
80.0	11.544	1.260	2173.075	0.05%	99.48%
81.0	11.251	1.233	2174.308	0.05%	99.54%
82.0	10.958	1.204	2175.512	0.05%	99.60%
83.0	10.710	1.178	2176.69	0.05%	99.65%
84.0	10.468	1.154	2177.844	0.04%	99.70%
85.0	10.227	1.129	2178.973	0.04%	99.75%
86.0	10.044	1.108	2180.081	0.04%	99.80%
87.0	9.854	1.089	2181.17	0.04%	99.85%
88.0	9.685	1.070	2182.241	0.04%	99.90%
89.0	9.576	1.056	2183.296	0.04%	99.95%
90.0	9.532	1.048	2184.344	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1876.74	72.88%	85.92%
0-40	2071.64	80.45%	94.84%
0-60	2139.29	83.08%	97.94%
0-90	2183.30	84.79%	99.95%
0-120	2183.30	84.79%	99.95%
0-180	2184.34	84.83%	100.00%
60-90	44.00	1.71%	2.01%
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%
0-27.23	1747.48	67.86%	80.00%

ZONAL LUMEN SUMMARY

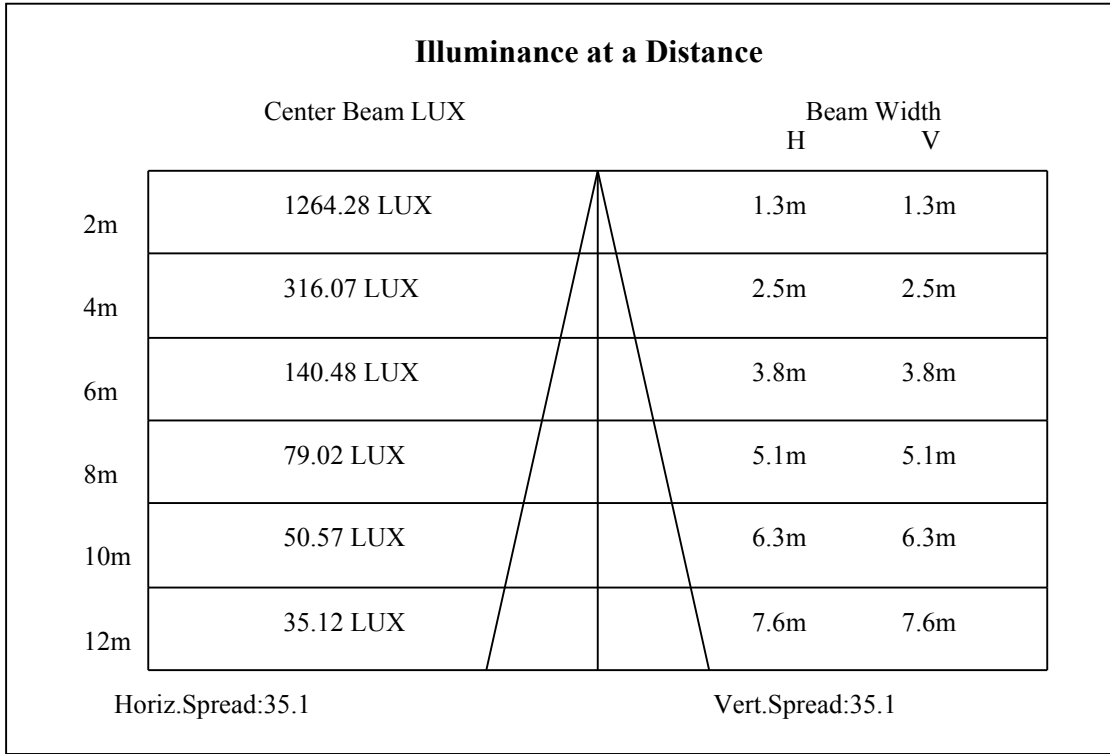
0-10	445.27
10-20	848.85
20-30	582.62
30-40	194.91
40-50	39.76
50-60	27.90
60-70	19.60
70-80	14.18
80-90	10.22
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

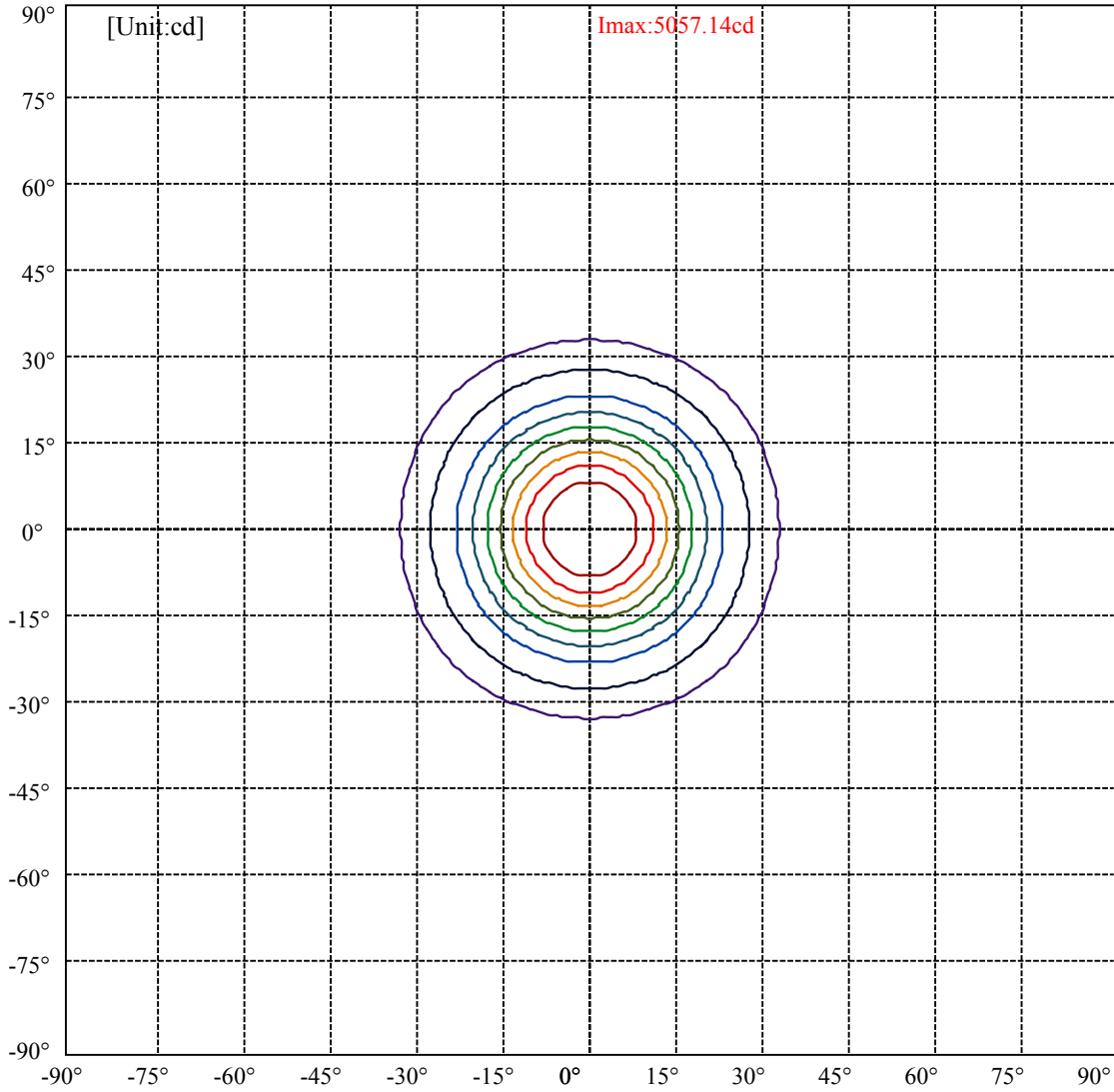


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

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

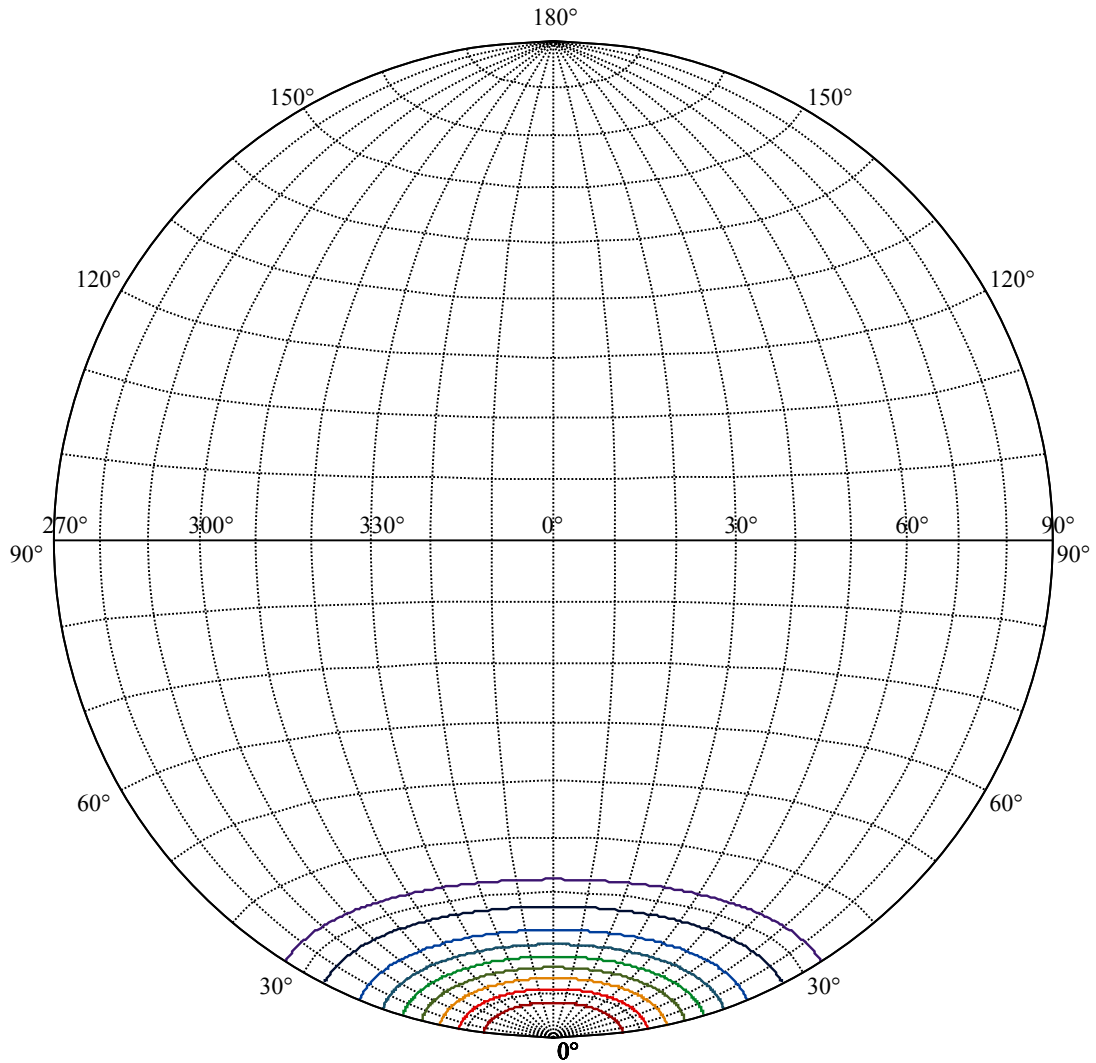
Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5  
:C90/270Left:17.5 Right:17.5





(10%Imax)	505.714	—
(20%Imax)	1011.43	—
(30%Imax)	1517.14	—
(40%Imax)	2022.85	—
(50%Imax)	2528.57	—
(60%Imax)	3034.28	—
(70%Imax)	3539.99	—
(80%Imax)	4045.71	—
(90%Imax)	4551.42	—





House

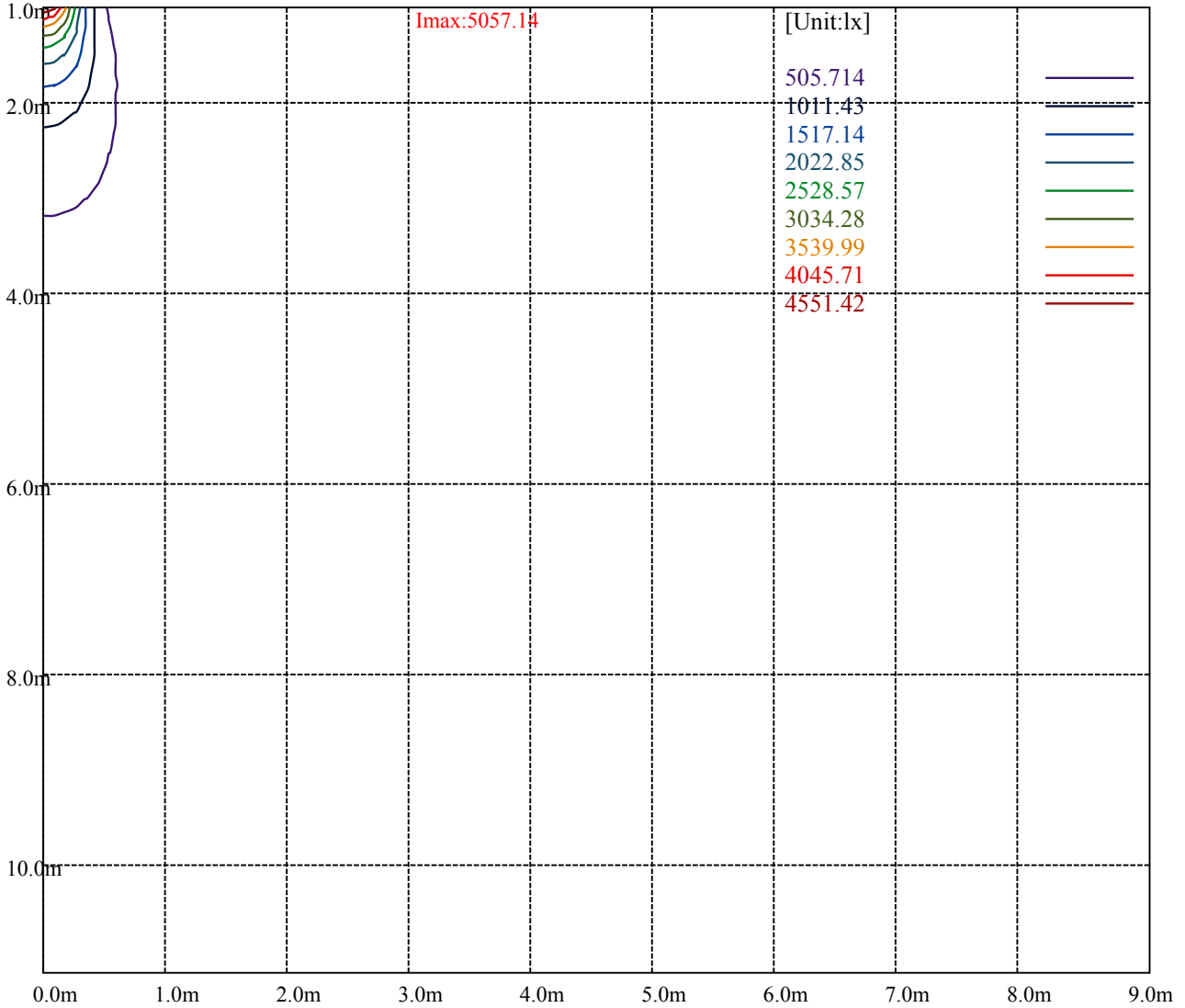
[Unit:cd]

Road

I<sub>max</sub>:5057.14

(10%I <sub>max</sub> )	505.714	—
(20%I <sub>max</sub> )	1011.43	—
(30%I <sub>max</sub> )	1517.14	—
(40%I <sub>max</sub> )	2022.85	—
(50%I <sub>max</sub> )	2528.57	—
(60%I <sub>max</sub> )	3034.28	—
(70%I <sub>max</sub> )	3539.99	—
(80%I <sub>max</sub> )	4045.71	—
(90%I <sub>max</sub> )	4551.42	—





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

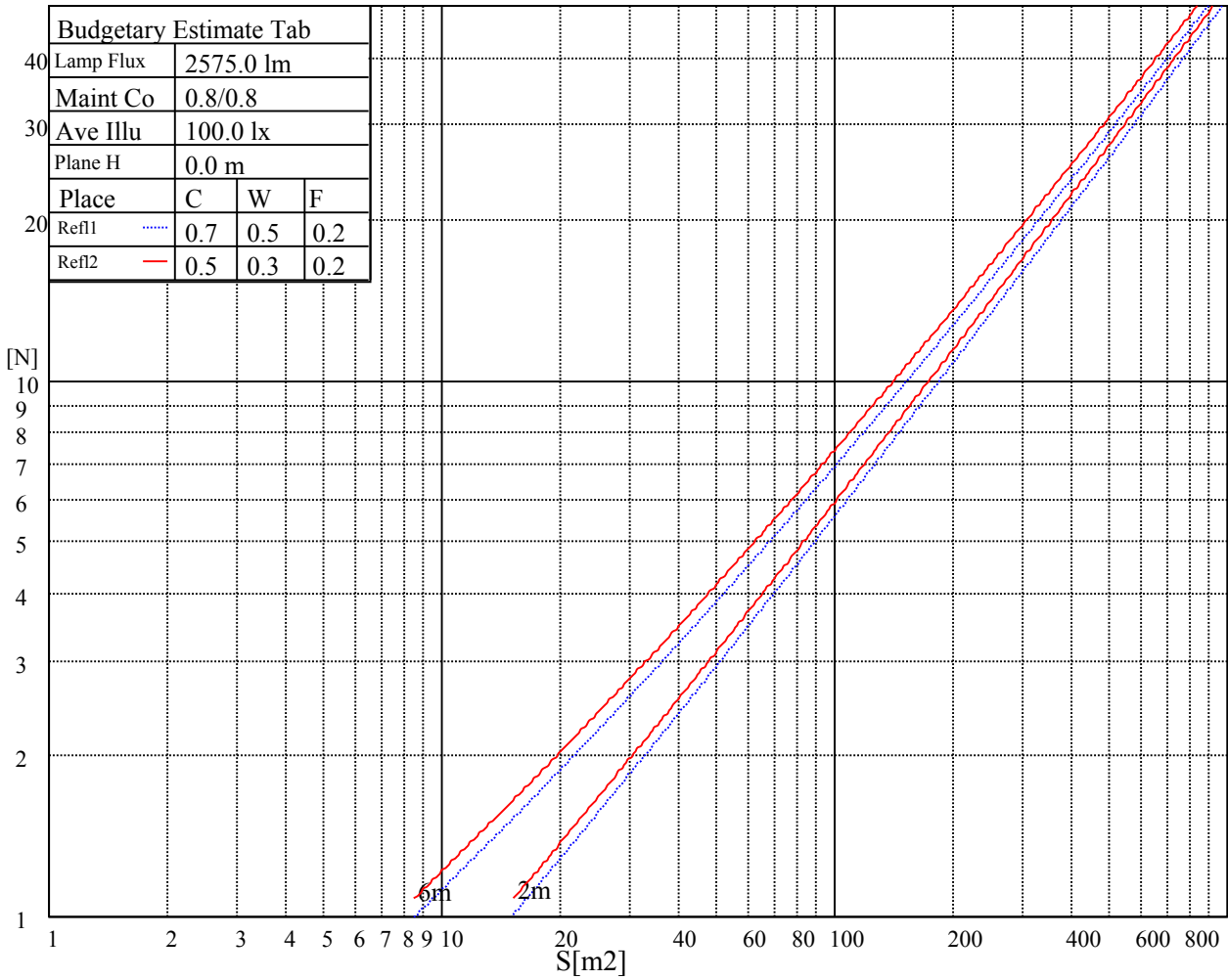
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

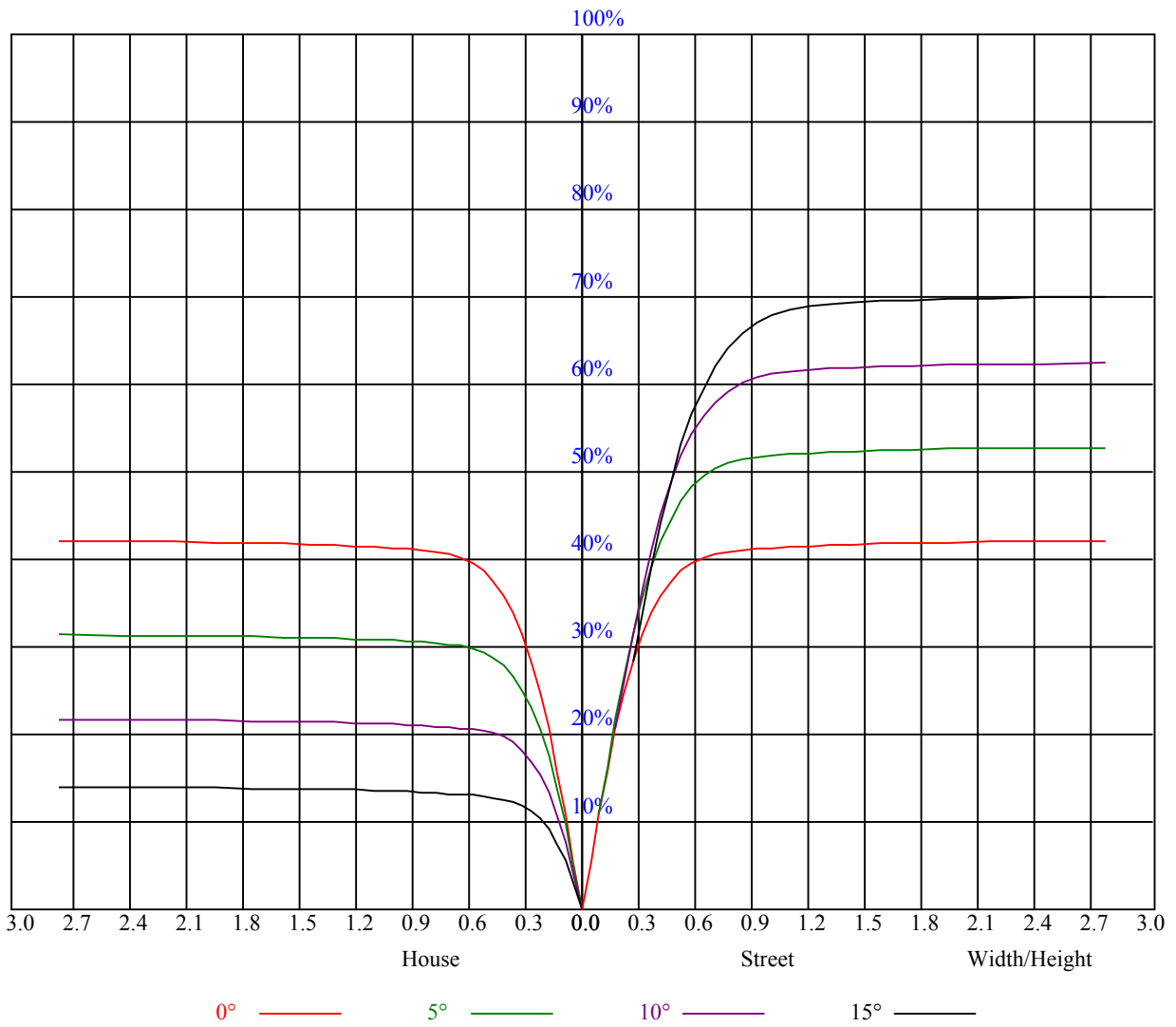


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

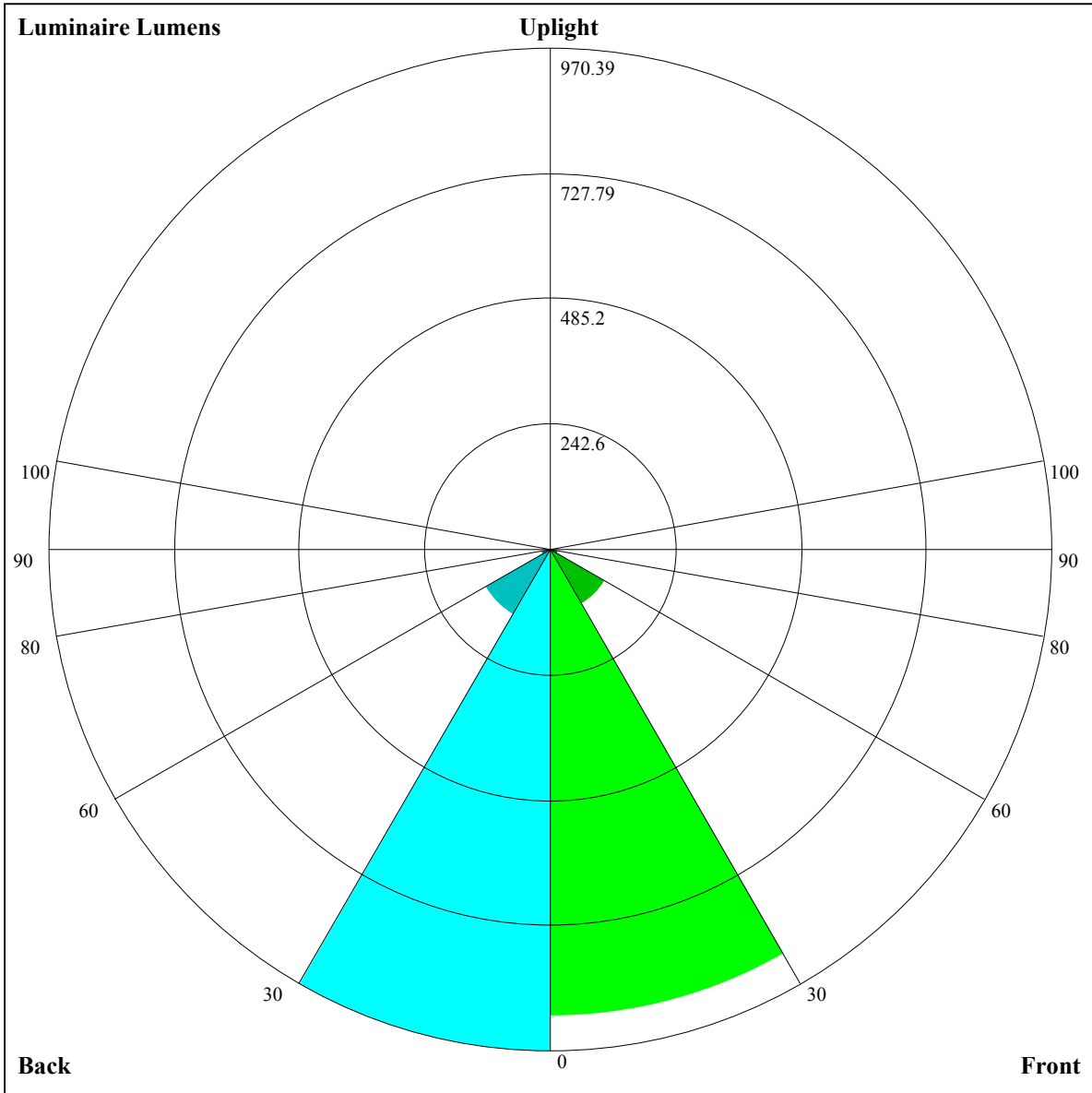
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.94	0.92	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
8	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.54	0.60	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52







Luminaire Lumens:

FL=904.16,FM=120.29,FH=16.65,FVH=5.59

BL=970.39,BM=145.71,BH=17.19,BVH=5.69

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	5033.58	5002.56	4960.43	4887.86	4819.97	4712.29	4599.34	4456.55	4246.45
45.0	5061.08	5044.70	5014.27	4976.81	4921.22	4856.84	4781.93	4655.52	4522.09
90.0	5061.08	5033.58	4991.44	4946.97	4888.44	4817.05	4694.15	4571.84	4431.97
135.0	5072.79	5069.28	5051.14	5011.93	4967.45	4911.27	4841.62	4753.26	4612.80
180.0	5033.58	5060.50	5066.94	5058.74	5031.82	4979.15	4929.99	4868.55	4790.71
225.0	5061.08	5058.16	5039.43	5004.90	4962.77	4894.88	4826.41	4743.31	4606.95
270.0	5061.08	5069.28	5059.33	5029.48	4994.37	4939.94	4882.59	4812.95	4695.90
315.0	5072.79	5050.55	5020.12	4973.30	4926.48	4863.86	4791.30	4667.23	4534.38
360.0	5033.58	5002.56	4960.43	4887.86	4819.97	4712.29	4599.34	4456.55	4246.45
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4058.01	3853.18	3633.14	3355.74	3134.52	2918.58	2703.80	2490.78	2246.15
45.0	4375.20	4161.59	3963.79	3701.61	3482.15	3259.76	3038.55	2769.34	2557.49
90.0	4266.35	4038.70	3833.87	3562.32	3342.28	3123.40	2848.35	2635.91	2432.25
135.0	4473.52	4315.51	4090.20	3892.98	3681.12	3462.25	3181.93	2956.62	2686.83
180.0	4667.81	4543.75	4391.59	4168.03	3970.81	3713.90	3500.29	3281.42	3057.27
225.0	4462.98	4254.06	4069.13	3868.40	3662.40	3400.80	3184.85	2972.42	2760.56
270.0	4574.76	4430.80	4259.33	4022.31	3813.97	3599.78	3385.59	3113.46	2885.80
315.0	4379.88	4207.24	3967.30	3754.28	3540.67	3260.93	3041.47	2827.28	2565.10
360.0	4058.01	3853.18	3633.14	3355.74	3134.52	2918.58	2703.80	2490.78	2246.15
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2062.98	1845.86	1690.19	1547.39	1299.84	1150.26	1150.26	1029.29	949.70
45.0	2356.17	2166.56	1945.93	1782.65	1635.76	1499.40	1341.98	1223.18	1086.24
90.0	2191.14	2005.62	1832.98	1677.90	1533.93	1160.85	1160.85	1134.93	1016.95
135.0	2482.58	2289.46	2061.22	1886.24	1735.25	1592.46	1429.76	1306.28	1192.16
180.0	2798.02	2590.26	2379.00	2189.97	1965.24	1799.63	1646.88	1507.60	1353.68
225.0	2502.48	2301.16	2112.14	1934.23	1731.15	1585.43	1424.50	1165.01	1165.01
270.0	2683.32	2426.40	2220.99	2040.74	1822.45	1667.95	1498.82	1374.17	1259.46
315.0	2361.44	2165.39	1935.40	1772.12	1620.55	1450.25	1151.61	1151.61	1100.40
360.0	2062.98	1845.86	1690.19	1547.39	1299.84	1150.26	1150.26	1029.29	949.70
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	867.19	777.12	651.94	549.99	454.08	359.39	248.02	170.48	112.71
45.0	994.94	917.69	810.60	707.60	606.35	508.62	390.99	300.86	300.86
90.0	937.12	859.52	745.40	647.38	521.38	424.76	335.39	249.07	157.19
135.0	1088.58	980.90	908.91	817.62	699.40	599.33	502.77	386.31	295.01
180.0	1241.32	1112.57	1020.69	941.69	845.12	750.90	653.17	529.69	435.47
225.0	1062.94	974.98	899.08	820.54	699.99	598.63	500.89	387.36	299.81
270.0	1147.68	1026.54	940.52	870.29	771.97	673.07	551.34	455.36	362.90
315.0	988.85	911.20	831.43	736.21	610.57	512.19	394.50	305.96	223.67
360.0	867.19	777.12	651.94	549.99	454.08	359.39	248.02	170.48	112.71
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	85.97	78.71	72.57	66.19	61.74	57.12	53.67	50.62	47.81
45.0	199.50	93.81	84.10	76.90	71.51	64.96	60.75	57.12	52.96
90.0	106.34	87.37	79.53	73.27	66.72	62.21	58.41	54.02	50.97
135.0	295.01	125.36	92.70	83.86	76.66	69.58	64.37	60.28	55.77
180.0	343.59	298.52	298.52	103.29	82.28	74.91	69.00	62.79	58.76
225.0	218.17	149.41	93.23	80.59	73.39	66.48	61.62	56.88	53.31
270.0	295.01	295.01	115.58	81.81	74.79	67.59	62.91	58.76	55.19
315.0	141.45	98.61	85.03	77.54	70.23	64.96	60.57	56.77	52.38
360.0	85.97	78.71	72.57	66.19	61.74	57.12	53.67	50.62	47.81

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	45.35	42.78	40.91	39.15	37.63	35.76	34.53	33.07	31.49
45.0	49.98	46.58	44.30	42.37	40.50	38.39	36.87	35.35	33.94
90.0	47.64	45.24	43.01	40.67	38.92	37.45	35.99	34.47	33.01
135.0	52.38	49.33	46.58	43.54	41.55	39.09	37.51	35.99	34.35
180.0	55.19	51.27	48.40	45.24	43.01	41.08	39.33	37.28	35.87
225.0	50.10	47.46	44.30	42.14	40.32	38.57	36.58	35.23	33.83
270.0	51.03	48.34	45.82	43.48	41.02	39.39	37.69	35.87	34.53
315.0	49.45	46.82	44.42	41.84	40.09	37.86	36.46	34.94	33.30
360.0	45.35	42.78	40.91	39.15	37.63	35.76	34.53	33.07	31.49
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	30.26	28.68	27.45	26.16	24.81	23.70	22.65	21.71	20.54
45.0	32.30	31.13	29.85	28.32	27.10	25.87	24.52	23.29	22.06
90.0	31.84	30.67	29.03	27.80	26.51	25.16	23.99	22.88	21.65
135.0	33.07	31.78	30.61	29.03	27.86	26.51	25.34	23.88	22.77
180.0	34.47	32.89	31.60	30.49	29.32	27.80	26.69	25.40	24.11
225.0	32.66	31.02	29.90	28.38	27.27	26.10	24.70	23.70	22.59
270.0	33.12	31.60	30.43	29.20	27.68	26.63	25.40	24.35	23.00
315.0	31.95	30.72	29.44	27.92	26.69	25.52	24.52	23.17	22.18
360.0	30.26	28.68	27.45	26.16	24.81	23.70	22.65	21.71	20.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.78	18.96	18.26	17.62	16.68	16.09	15.51	14.86	14.40
45.0	21.13	20.31	19.49	18.49	17.91	17.26	16.50	15.80	15.22
90.0	20.78	19.72	18.90	18.26	17.56	16.85	16.15	15.57	14.92
135.0	21.83	20.60	19.78	19.02	18.02	17.50	16.80	15.98	15.45
180.0	22.94	22.00	20.78	19.84	19.14	18.14	17.56	16.97	16.21
225.0	21.65	20.54	19.66	18.90	18.08	17.32	16.74	16.09	15.45
270.0	22.00	21.13	20.25	19.20	18.43	17.73	16.97	16.27	15.57
315.0	21.24	20.07	19.25	18.26	17.67	16.97	16.15	15.68	15.10
360.0	19.78	18.96	18.26	17.62	16.68	16.09	15.51	14.86	14.40
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.87	13.40	12.99	12.64	12.23	12.06	11.70	11.35	11.12
45.0	14.63	14.05	13.64	13.23	12.82	12.47	12.17	11.76	11.47
90.0	14.40	13.87	13.34	12.99	12.58	12.29	11.94	11.59	11.29
135.0	14.86	14.22	13.81	13.34	12.93	12.58	12.23	11.94	11.59
180.0	15.51	15.04	14.46	13.99	13.46	13.05	12.64	12.29	12.00
225.0	14.86	14.34	13.75	13.34	12.87	12.52	12.23	11.94	11.65
270.0	15.04	14.51	13.99	13.52	13.11	12.76	12.41	12.06	11.76
315.0	14.57	13.99	13.52	13.11	12.76	12.35	12.06	11.76	11.47
360.0	13.87	13.40	12.99	12.64	12.23	12.06	11.70	11.35	11.12
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.83	10.48	10.36	10.12	9.89	9.77	9.66	9.48	9.54
45.0	11.18	10.83	10.59	10.42	10.12	9.95	9.71	9.71	9.48
90.0	11.00	10.77	10.48	10.30	10.07	9.83	9.71	9.54	9.60
135.0	11.29	11.06	10.77	10.48	10.24	10.07	9.89	9.71	9.60
180.0	11.65	11.41	11.18	10.83	10.53	10.36	10.18	9.95	9.77
225.0	11.35	11.06	10.83	10.53	10.36	10.18	9.95	9.71	9.60
270.0	11.53	11.18	10.89	10.65	10.36	10.18	9.95	9.77	9.60
315.0	11.18	10.89	10.59	10.42	10.24	10.01	9.77	9.60	9.42
360.0	10.83	10.48	10.36	10.12	9.89	9.77	9.66	9.48	9.54

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.54
90.0	9.60
135.0	9.54
180.0	9.60
225.0	9.48
270.0	9.48
315.0	9.48
360.0	9.54