



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: 2024305-B012

Ballast type: AC

Test No: 2024305-C012

Voltage(V): 34.240

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.215

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2826.27, Efficiency(%): 85.98% , Luminous Efficacy(lm/W): 155.16

Central intensity(cd): 9549.028, Maximum intensity(cd): 9549.028

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=25.0

[C90/270]Total=25.0

Field angle(10%Imax): [C0/180]Total=59.4

[C90/270]Total=59.4

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

Maximum s/h(1/4): C0_180=0.45 C90_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.98%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.033%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
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	9549.029	0.000	0	0.00%	0.00%
1.0	9512.598	9.121	9.121	0.28%	0.32%
2.0	9392.481	27.134	36.255	0.83%	1.28%
3.0	9191.456	44.447	80.702	1.35%	2.86%
4.0	8910.621	60.593	141.295	1.84%	5.00%
5.0	8541.271	75.077	216.372	2.28%	7.66%
6.0	8122.177	87.571	303.943	2.66%	10.75%
7.0	7652.461	97.913	401.856	2.98%	14.22%
8.0	7096.351	105.554	507.41	3.21%	17.95%
9.0	6571.111	110.767	618.178	3.37%	21.87%
10.0	6019.829	113.943	732.121	3.47%	25.90%
11.0	5488.152	114.988	847.11	3.50%	29.97%
12.0	4992.832	114.572	961.682	3.49%	34.03%
13.0	4530.944	113.023	1074.705	3.44%	38.03%
14.0	4079.735	110.216	1184.921	3.35%	41.93%
15.0	3708.703	106.923	1291.844	3.25%	45.71%
16.0	3317.114	102.948	1394.792	3.13%	49.35%
17.0	3006.945	98.483	1493.275	3.00%	52.84%
18.0	2710.528	94.269	1587.543	2.87%	56.17%
19.0	2454.126	89.854	1677.398	2.73%	59.35%
20.0	2210.307	85.372	1762.77	2.60%	62.37%
21.0	1995.749	80.765	1843.535	2.46%	65.23%
22.0	1820.401	76.687	1920.222	2.33%	67.94%
23.0	1664.585	73.124	1993.346	2.22%	70.53%
24.0	1532.470	69.899	2063.245	2.13%	73.00%
25.0	1404.138	66.772	2130.017	2.03%	75.37%
26.0	1264.342	62.990	2193.007	1.92%	77.59%
27.0	1217.034	60.707	2253.714	1.85%	79.74%
28.0	1142.074	59.728	2313.442	1.82%	81.86%
29.0	1040.910	57.113	2370.555	1.74%	83.88%
30.0	925.599	53.095	2423.65	1.62%	85.75%
31.0	811.510	48.341	2471.992	1.47%	87.46%
32.0	701.677	43.351	2515.343	1.32%	89.00%
33.0	585.071	37.908	2553.251	1.15%	90.34%
34.0	483.198	32.329	2585.58	0.98%	91.48%
35.0	380.089	26.811	2612.39	0.82%	92.43%
36.0	294.712	21.486	2633.876	0.65%	93.19%
37.0	242.349	17.516	2651.392	0.53%	93.81%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	175.860	13.959	2665.351	0.42%	94.31%
39.0	116.994	9.996	2675.347	0.30%	94.66%
40.0	86.913	7.112	2682.459	0.22%	94.91%
41.0	76.445	5.817	2688.276	0.18%	95.12%
42.0	70.578	5.342	2693.617	0.16%	95.31%
43.0	65.596	5.044	2698.662	0.15%	95.49%
44.0	61.902	4.812	2703.474	0.15%	95.66%
45.0	59.364	4.660	2708.134	0.14%	95.82%
46.0	57.257	4.561	2712.695	0.14%	95.98%
47.0	55.582	4.488	2717.183	0.14%	96.14%
48.0	54.375	4.445	2721.628	0.14%	96.30%
49.0	53.116	4.414	2726.042	0.13%	96.45%
50.0	51.975	4.382	2730.424	0.13%	96.61%
51.0	50.863	4.351	2734.775	0.13%	96.76%
52.0	49.964	4.327	2739.101	0.13%	96.92%
53.0	48.764	4.295	2743.396	0.13%	97.07%
54.0	47.454	4.241	2747.637	0.13%	97.22%
55.0	45.969	4.170	2751.807	0.13%	97.37%
56.0	44.221	4.075	2755.883	0.12%	97.51%
57.0	42.421	3.961	2759.844	0.12%	97.65%
58.0	39.898	3.807	2763.651	0.12%	97.78%
59.0	37.491	3.618	2767.269	0.11%	97.91%
60.0	34.740	3.412	2770.681	0.10%	98.03%
61.0	32.041	3.187	2773.868	0.10%	98.15%
62.0	29.817	2.981	2776.849	0.09%	98.25%
63.0	27.769	2.801	2779.65	0.09%	98.35%
64.0	25.801	2.629	2782.278	0.08%	98.44%
65.0	24.214	2.475	2784.753	0.08%	98.53%
66.0	22.604	2.336	2787.089	0.07%	98.61%
67.0	21.105	2.198	2789.287	0.07%	98.69%
68.0	19.905	2.077	2791.365	0.06%	98.77%
69.0	19.020	1.986	2793.35	0.06%	98.84%
70.0	18.179	1.910	2795.261	0.06%	98.90%
71.0	17.608	1.850	2797.11	0.06%	98.97%
72.0	17.111	1.805	2798.916	0.05%	99.03%
73.0	16.715	1.769	2800.685	0.05%	99.09%
74.0	16.328	1.737	2802.422	0.05%	99.16%
75.0	15.962	1.706	2804.128	0.05%	99.22%

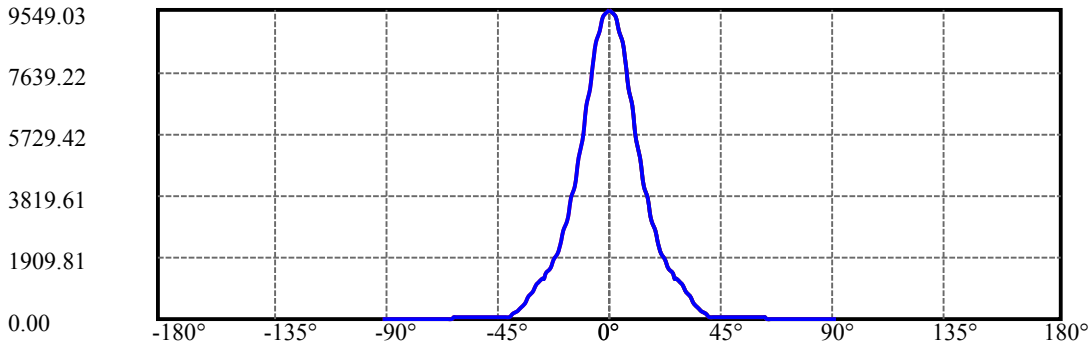
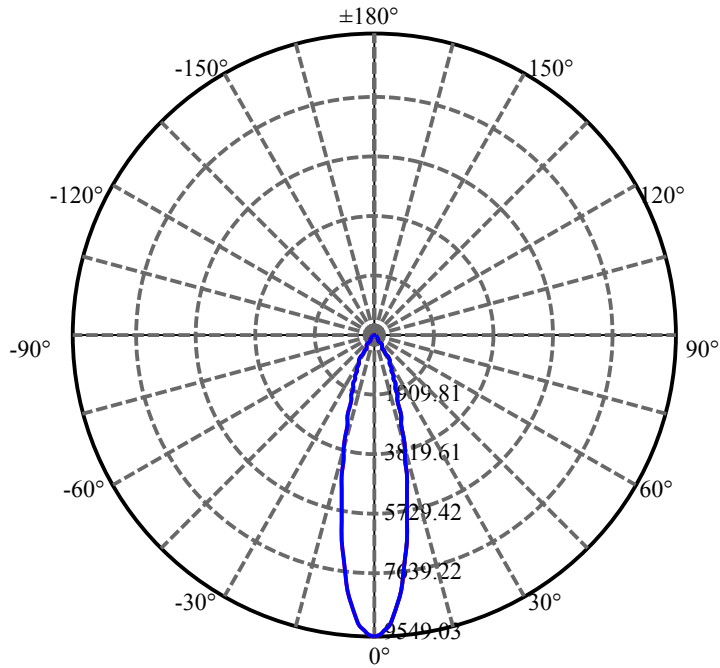
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.626	1.677	2805.805	0.05%	99.28%
77.0	15.245	1.646	2807.45	0.05%	99.33%
78.0	14.923	1.615	2809.065	0.05%	99.39%
79.0	14.572	1.585	2810.65	0.05%	99.45%
80.0	14.228	1.553	2812.203	0.05%	99.50%
81.0	13.943	1.523	2813.726	0.05%	99.56%
82.0	13.606	1.494	2815.22	0.05%	99.61%
83.0	13.328	1.464	2816.685	0.04%	99.66%
84.0	13.043	1.437	2818.121	0.04%	99.71%
85.0	12.809	1.411	2819.532	0.04%	99.76%
86.0	12.560	1.387	2820.919	0.04%	99.81%
87.0	12.356	1.364	2822.283	0.04%	99.86%
88.0	12.151	1.342	2823.625	0.04%	99.91%
89.0	12.041	1.326	2824.951	0.04%	99.95%
90.0	11.961	1.316	2826.267	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2423.65	73.73%	85.75%
0-40	2682.46	81.61%	94.91%
0-60	2770.68	84.29%	98.03%
0-90	2824.95	85.94%	99.95%
0-120	2824.95	85.94%	99.95%
0-180	2826.27	85.98%	100.00%
60-90	54.27	1.65%	1.92%
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%
0-27.12	2261.01	68.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	732.12
10-20	1030.65
20-30	660.88
30-40	258.81
40-50	47.97
50-60	40.26
60-70	24.58
70-80	16.94
80-90	12.75
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: —————

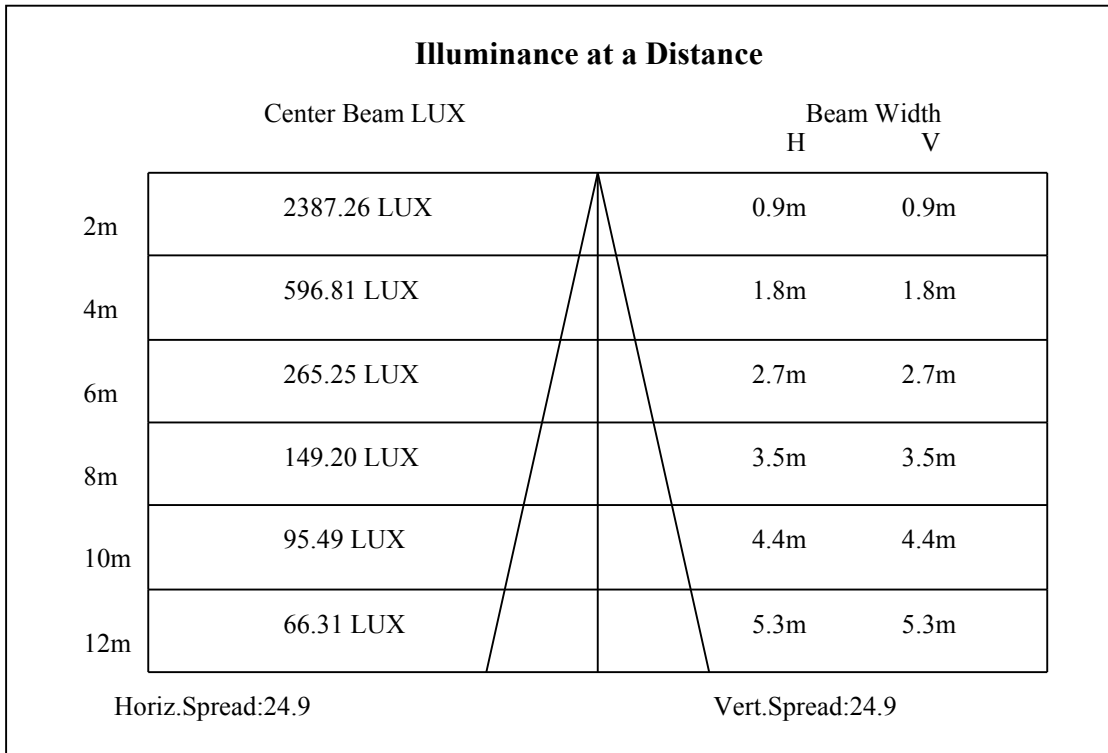
C90/C270: —————

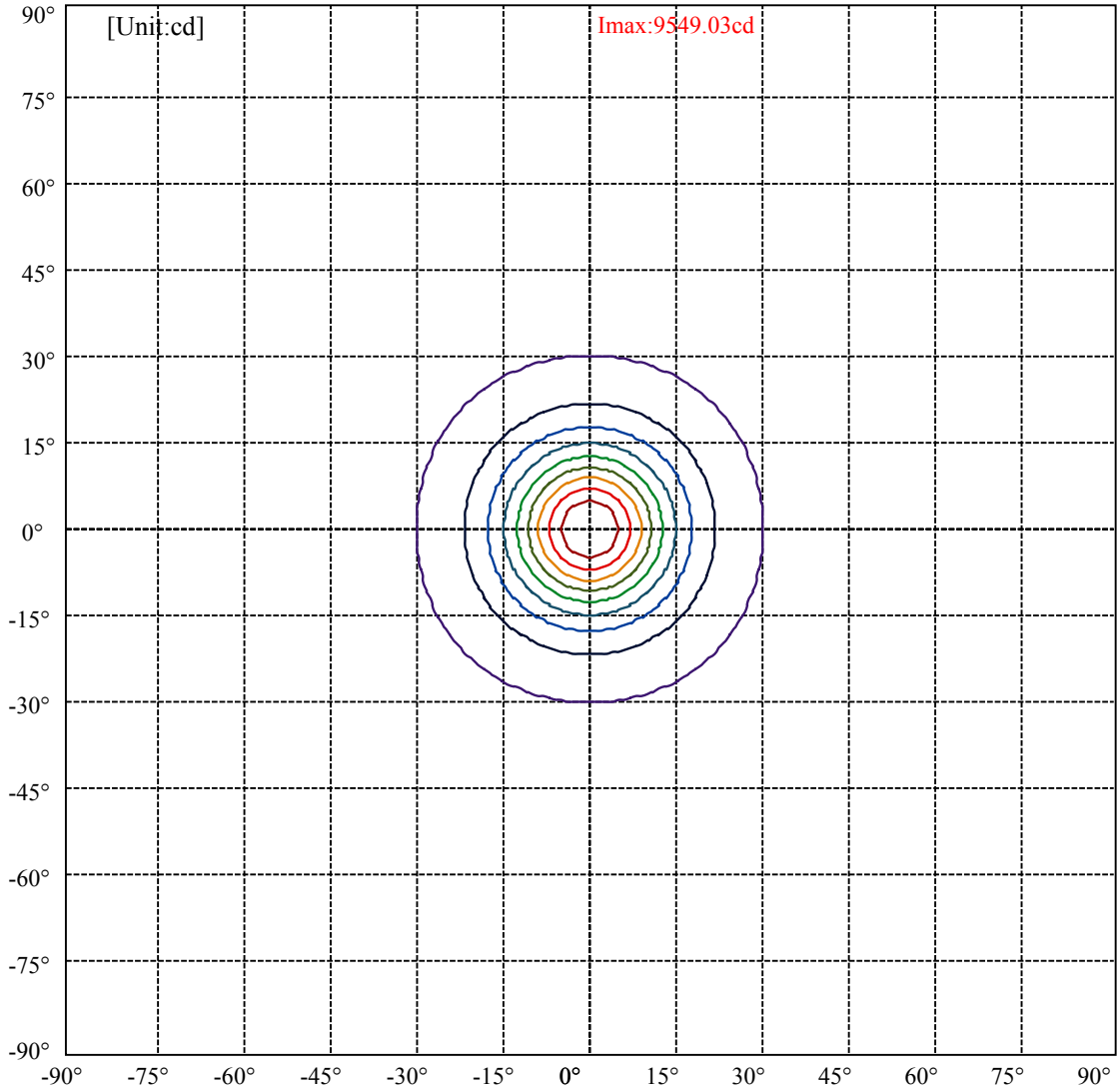
Field angle(10%Imax):C0/180Left:29.7 Right:29.7

:C90/270Left:29.7 Right:29.7

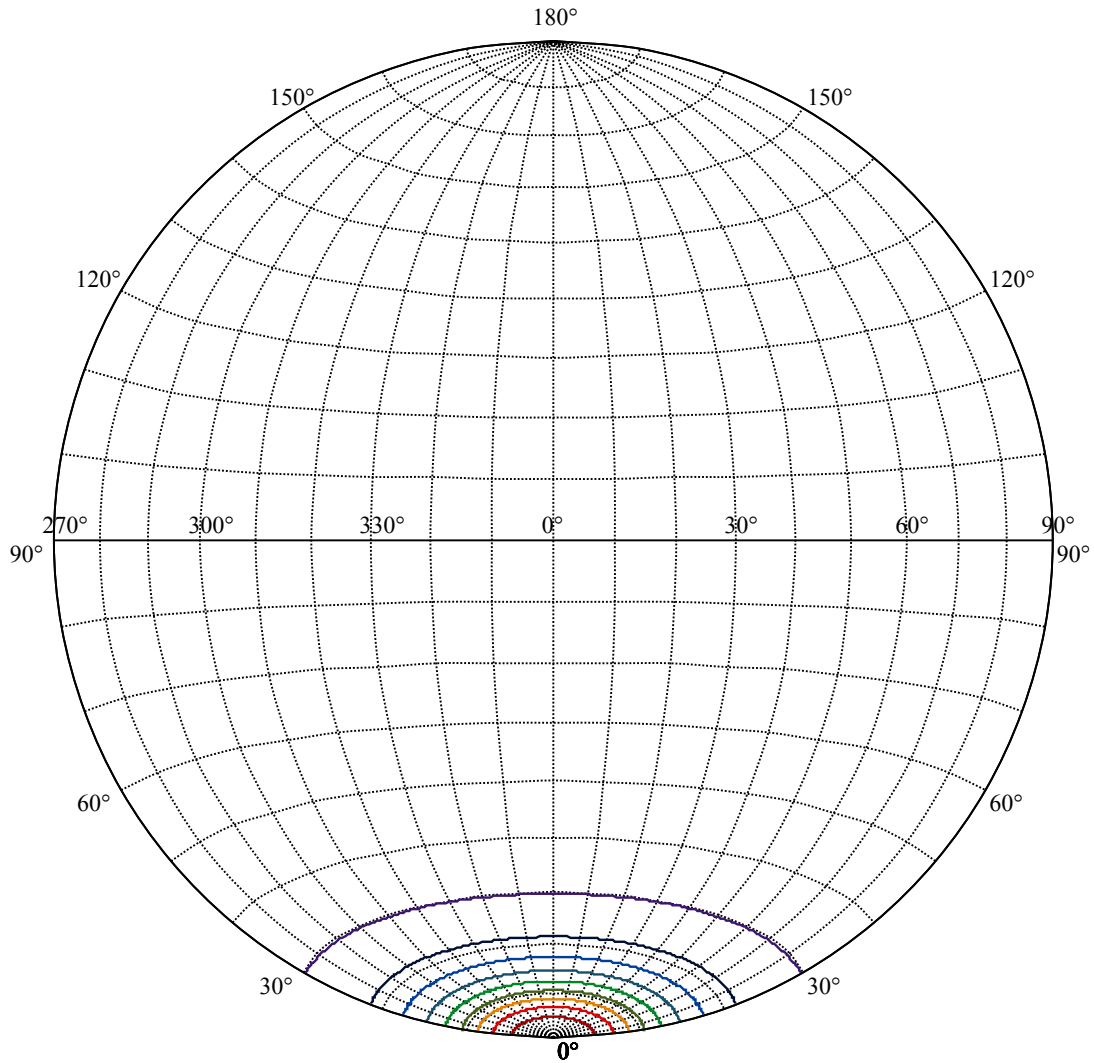
Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5

:C90/270Left:12.5 Right:12.5





(10%Imax) 954.903	—
(20%Imax) 1909.81	—
(30%Imax) 2864.71	—
(40%Imax) 3819.61	—
(50%Imax) 4774.51	—
(60%Imax) 5729.42	—
(70%Imax) 6684.32	—
(80%Imax) 7639.22	—
(90%Imax) 8594.13	—



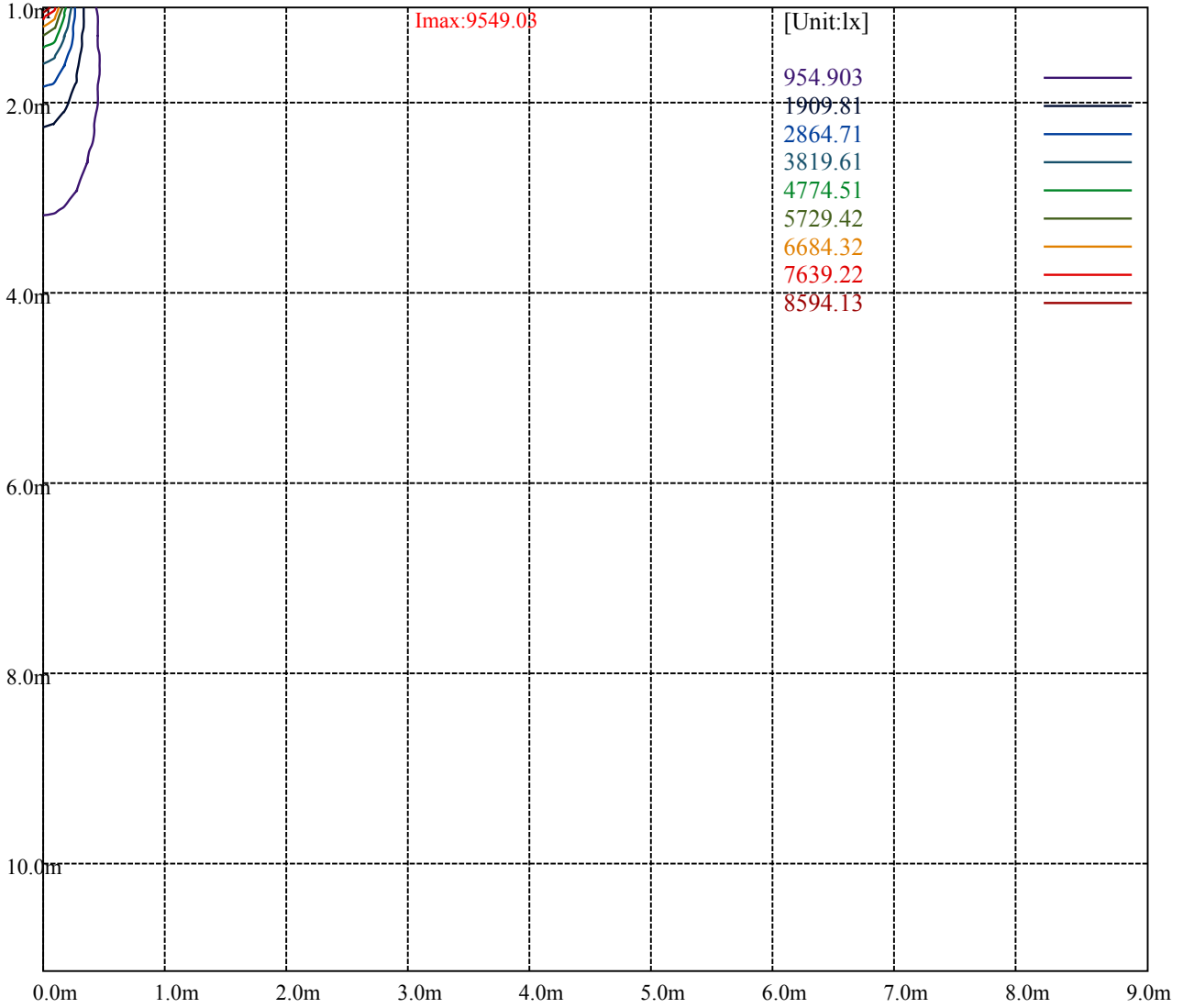
House

[Unit:cd]

Road

Imax:9549.03

(10%Imax) 954.903	—
(20%Imax) 1909.81	—
(30%Imax) 2864.71	—
(40%Imax) 3819.61	—
(50%Imax) 4774.51	—
(60%Imax) 5729.42	—
(70%Imax) 6684.32	—
(80%Imax) 7639.22	—
(90%Imax) 8594.13	—



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

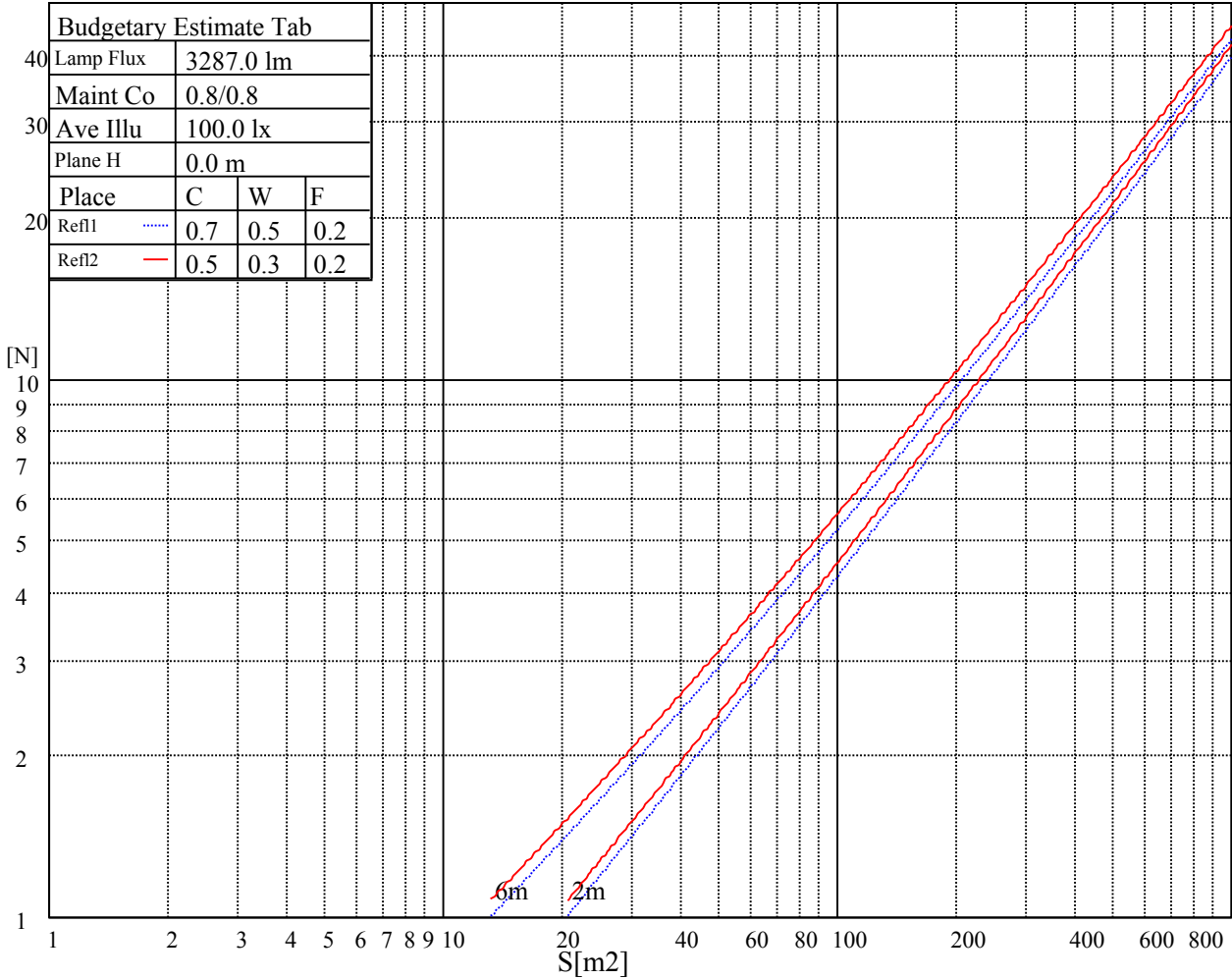
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

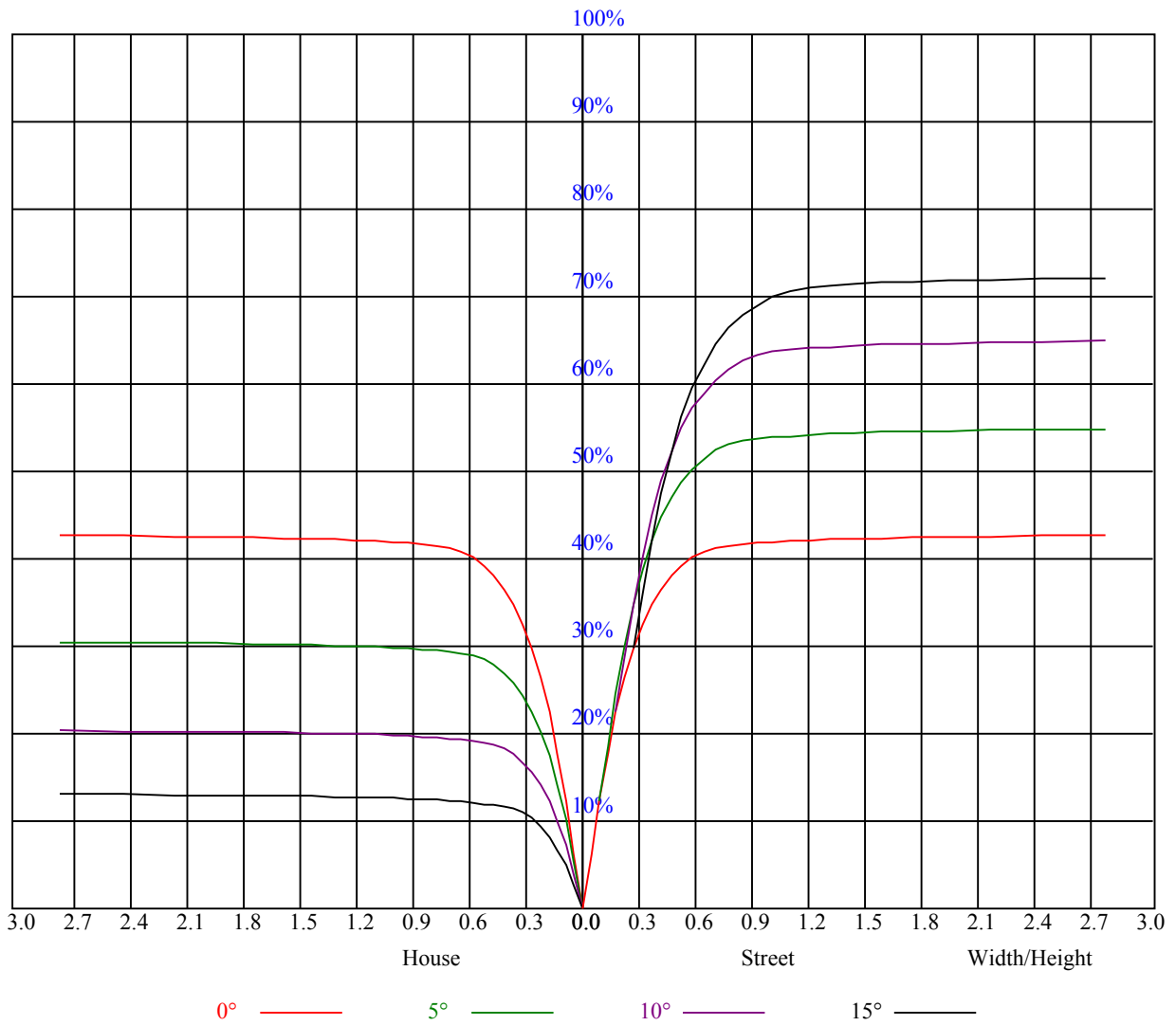


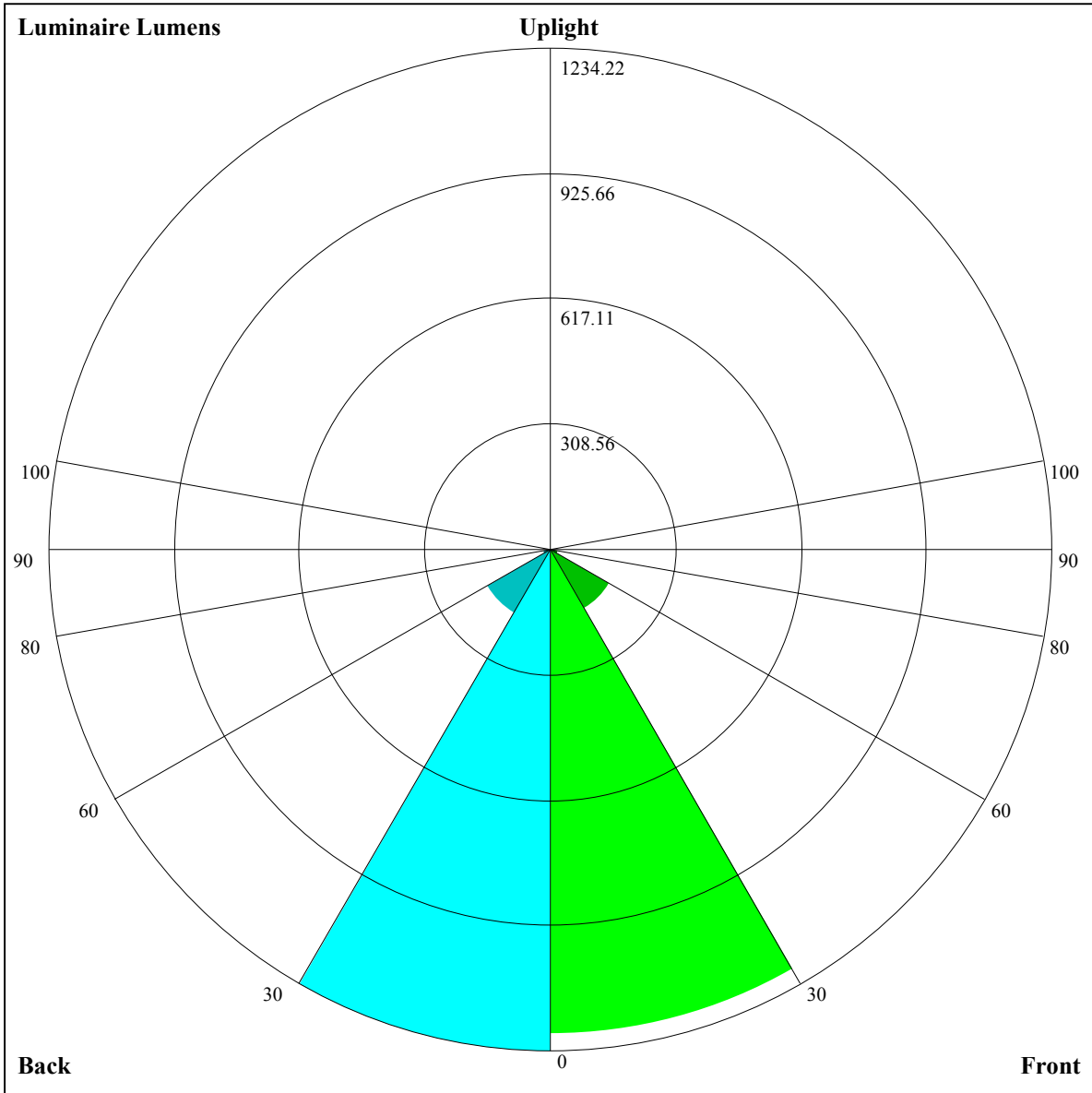
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	1.02	1.02	1.02	1.00	1.00	1.00	0.96	0.96	0.96	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	0.75	0.73	0.77	0.74	0.72	0.75	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	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.66	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1192.38,FM=167.86,FH=20.58,FVH=7.01

BL=1234.22,BM=182.52,BH=21.09,BVH=7.07

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	9495.92	9382.97	9188.09	8911.86	8551.37	8041.64	7581.06	7077.77	6421.15
45.0	9572.00	9576.10	9480.70	9311.57	9061.68	8645.00	8251.15	7806.37	7199.50
90.0	9561.46	9435.64	9250.12	8921.23	8572.43	8182.67	7610.32	7121.08	6606.66
135.0	9566.73	9525.18	9408.14	9156.49	8869.73	8520.93	8122.98	7568.77	7078.35
180.0	9495.92	9555.03	9529.28	9439.15	9221.45	8968.63	8660.22	8190.28	7740.83
225.0	9572.00	9505.87	9334.98	9119.03	8832.27	8486.41	7982.53	7504.40	6999.35
270.0	9561.46	9581.95	9526.94	9415.16	9175.80	8900.75	8564.24	8196.13	7606.81
315.0	9566.73	9538.06	9421.60	9257.15	9000.23	8584.14	8204.91	7754.87	7118.15
360.0	9495.92	9382.97	9188.09	8911.86	8551.37	8041.64	7581.06	7077.77	6421.15
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5896.20	5396.42	4817.63	4380.47	3990.71	3544.77	3215.87	2851.27	2590.85
45.0	6678.65	6157.21	5648.06	5051.14	4616.90	4207.24	3831.53	3400.80	3088.88
90.0	6095.18	5464.89	5001.39	4564.81	4168.03	3705.12	3366.86	3054.93	2779.88
135.0	6449.82	5960.58	5476.01	4898.98	4461.23	4062.11	3688.73	3267.37	2968.32
180.0	7252.75	6633.58	6144.92	5655.09	5060.50	4610.46	4193.20	3799.92	3377.39
225.0	6496.06	5877.47	5397.59	4939.94	4407.97	4011.78	3654.79	3244.55	2949.01
270.0	7095.33	6586.77	5959.99	5463.72	4991.44	4447.18	4040.45	3572.27	3259.76
315.0	6604.91	6081.72	5459.62	4988.52	4550.77	4049.23	3678.20	3345.79	3041.47
360.0	5896.20	5396.42	4817.63	4380.47	3990.71	3544.77	3215.87	2851.27	2590.85
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2357.93	2144.32	1959.39	1762.76	1623.47	1498.82	1391.72	1160.38	1160.38
45.0	2809.72	2493.12	2267.22	2018.50	1853.47	1708.92	1577.24	1433.27	1341.39
90.0	2464.44	2239.71	1998.60	1837.67	1696.63	1540.37	1437.96	1350.17	1144.70
135.0	2702.63	2456.83	2175.93	1985.73	1823.62	1651.56	1530.42	1428.59	1319.16
180.0	3078.34	2798.02	2534.08	2231.52	2033.72	1830.64	1692.53	1568.46	1437.96
225.0	2609.58	2367.88	2153.10	1961.73	1766.85	1629.32	1508.18	1404.60	1156.81
270.0	2970.66	2697.95	2382.51	2156.03	1965.83	1803.14	1627.57	1503.50	1397.58
315.0	2690.92	2435.18	2211.62	2012.06	1799.63	1653.90	1494.14	1384.12	1156.76
360.0	2357.93	2144.32	1959.39	1762.76	1623.47	1498.82	1391.72	1160.38	1160.38
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1111.99	989.67	888.55	758.80	656.15	553.80	432.66	343.18	263.06
45.0	1261.80	1183.38	1066.34	966.26	861.51	731.00	626.83	525.01	402.11
90.0	1144.70	1071.49	968.14	864.03	728.43	622.27	518.28	420.78	310.99
135.0	1244.83	1161.73	1037.08	932.32	822.88	714.62	584.70	485.80	393.91
180.0	1350.76	1273.51	1195.09	1072.19	961.00	851.56	740.95	606.35	505.11
225.0	1156.81	1133.00	1035.97	905.99	796.14	687.17	557.08	459.58	350.90
270.0	1308.62	1212.64	1123.69	996.70	889.60	780.75	647.32	547.24	448.34
315.0	1156.76	1111.17	1012.44	908.50	776.36	672.25	572.76	477.66	366.29
360.0	1111.99	989.67	888.55	758.80	656.15	553.80	432.66	343.18	263.06
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	194.18	136.65	92.70	82.69	76.20	70.87	64.90	61.62	58.82
45.0	313.15	313.15	146.95	100.72	80.70	73.21	68.06	63.97	60.10
90.0	234.79	153.50	106.69	83.10	75.20	69.47	64.61	60.22	57.70
135.0	311.98	311.98	152.57	105.69	83.80	76.02	70.40	64.20	61.86
180.0	389.82	309.06	309.06	222.85	110.49	86.15	78.89	71.28	66.19
225.0	272.89	205.65	149.52	102.00	86.38	79.65	73.56	68.71	64.20
270.0	357.05	296.18	296.18	138.05	100.89	82.05	76.37	71.16	66.95
315.0	283.83	212.61	153.21	100.83	81.64	74.15	67.83	63.61	59.40
360.0	194.18	136.65	92.70	82.69	76.20	70.87	64.90	61.62	58.82

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	57.00	55.30	53.84	52.38	51.44	50.56	49.22	47.99	47.11
45.0	57.82	55.77	54.19	53.37	51.97	50.62	49.80	48.92	47.81
90.0	55.89	54.07	53.08	51.62	50.39	49.92	48.52	47.29	46.06
135.0	59.81	57.41	56.01	55.30	53.84	52.44	51.68	50.86	49.33
180.0	62.44	60.28	57.94	56.18	54.84	53.84	52.32	51.68	50.27
225.0	61.62	58.87	57.18	56.01	54.25	52.79	51.79	50.56	49.22
270.0	62.74	60.80	58.46	56.83	55.83	54.43	53.08	52.73	51.62
315.0	57.59	55.54	53.96	53.31	52.38	51.21	50.50	49.69	48.69
360.0	57.00	55.30	53.84	52.38	51.44	50.56	49.22	47.99	47.11
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	45.24	43.54	41.73	39.44	36.52	34.00	30.78	28.91	27.15
45.0	46.58	45.00	43.60	42.19	39.27	36.64	34.53	31.54	29.20
90.0	44.65	43.01	40.61	38.39	36.11	33.77	30.31	28.73	27.15
135.0	47.93	46.35	44.83	42.60	40.15	37.04	34.47	31.54	29.55
180.0	49.04	47.87	46.00	44.59	42.25	40.56	37.63	35.23	32.13
225.0	47.99	46.41	44.42	42.78	40.32	38.04	35.00	32.01	30.20
270.0	50.04	48.81	47.75	46.00	43.77	41.55	39.09	35.87	32.95
315.0	48.16	46.76	44.83	43.37	40.79	38.33	36.11	32.48	30.20
360.0	45.24	43.54	41.73	39.44	36.52	34.00	30.78	28.91	27.15
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.99	23.64	22.06	20.78	19.43	18.49	17.79	17.32	16.80
45.0	27.56	25.52	24.23	22.59	20.83	19.66	18.79	17.97	17.38
90.0	25.05	23.47	22.12	20.54	19.25	18.43	17.73	17.21	16.80
135.0	27.51	25.69	24.52	22.47	21.07	20.07	19.20	18.26	17.73
180.0	30.14	27.97	25.81	24.40	22.71	21.07	20.07	18.96	18.20
225.0	27.80	25.81	24.17	22.53	21.13	19.90	18.96	18.20	17.73
270.0	30.72	28.38	26.34	24.46	23.00	21.54	20.48	19.25	18.55
315.0	28.38	25.93	24.46	23.06	21.42	20.07	19.14	18.26	17.67
360.0	24.99	23.64	22.06	20.78	19.43	18.49	17.79	17.32	16.80
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.39	16.15	15.74	15.39	15.10	14.75	14.40	14.10	13.75
45.0	16.97	16.62	16.33	15.86	15.57	15.22	14.98	14.57	14.28
90.0	16.50	16.04	15.74	15.45	15.22	14.86	14.51	14.22	13.93
135.0	17.32	16.85	16.50	16.15	15.74	15.39	15.16	14.69	14.40
180.0	17.50	17.15	16.74	16.33	15.98	15.57	15.22	14.92	14.51
225.0	17.15	16.74	16.39	16.04	15.57	15.22	14.86	14.46	14.16
270.0	17.91	17.44	16.91	16.56	16.21	15.80	15.39	15.04	14.57
315.0	17.15	16.74	16.27	15.92	15.63	15.16	14.86	14.57	14.22
360.0	16.39	16.15	15.74	15.39	15.10	14.75	14.40	14.10	13.75
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.52	13.23	12.99	12.76	12.58	12.41	12.17	11.94	11.88
45.0	13.99	13.58	13.28	12.99	12.82	12.58	12.41	12.11	11.94
90.0	13.58	13.28	13.11	12.87	12.58	12.41	12.17	12.11	11.94
135.0	14.05	13.69	13.34	13.11	12.87	12.64	12.35	12.23	11.94
180.0	14.22	13.87	13.58	13.23	13.05	12.70	12.58	12.29	12.06
225.0	13.93	13.58	13.28	12.99	12.70	12.47	12.29	12.11	11.88
270.0	14.34	14.05	13.64	13.34	13.05	12.70	12.47	12.23	12.41
315.0	13.93	13.58	13.40	13.05	12.82	12.58	12.41	12.17	12.29
360.0	13.52	13.23	12.99	12.76	12.58	12.41	12.17	11.94	11.88

Intensity data(cd)

C/γ(°)	90.0
0.0	11.94
45.0	11.94
90.0	12.06
135.0	12.17
180.0	11.82
225.0	12.00
270.0	11.88
315.0	11.88
360.0	11.94