



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: 3-2805-L

Luminaire: 92.70.412.00

Report No: 2024305-B026

Ballast type: AC

Test No: 2024305-C026

Voltage(V): 34.260

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.226

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2835.38, Efficiency(%): 86.26% , Luminous Efficacy(lm/W): 155.57

Central intensity(cd): 11836.650, Maximum intensity(cd): 11836.650

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.8

[C90/270]Total=18.8

Field angle(10%Imax): [C0/180]Total=54.2

[C90/270]Total=54.2

Maximum s/h(1/2): C0_180=0.32 C90_270=0.32

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(%): 86.26%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.737%

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	11836.644	0.000	0	0.00%	0.00%
1.0	11717.412	11.270	11.27	0.34%	0.40%
2.0	11502.992	33.328	44.598	1.01%	1.57%
3.0	10976.217	53.763	98.361	1.64%	3.47%
4.0	10304.013	71.232	169.593	2.17%	5.98%
5.0	9445.488	84.961	254.554	2.58%	8.98%
6.0	8631.366	94.999	349.553	2.89%	12.33%
7.0	7774.597	101.832	451.384	3.10%	15.92%
8.0	6959.598	105.450	556.834	3.21%	19.64%
9.0	6167.789	106.390	663.225	3.24%	23.39%
10.0	5573.493	106.254	769.479	3.23%	27.14%
11.0	5052.057	106.171	875.65	3.23%	30.88%
12.0	4583.219	105.327	980.977	3.20%	34.60%
13.0	4195.873	104.186	1085.163	3.17%	38.27%
14.0	3838.447	102.839	1188.002	3.13%	41.90%
15.0	3517.232	100.982	1288.984	3.07%	45.46%
16.0	3229.081	98.852	1387.836	3.01%	48.95%
17.0	2979.702	96.687	1484.524	2.94%	52.36%
18.0	2791.918	95.162	1579.685	2.90%	55.71%
19.0	2564.207	93.186	1672.871	2.83%	59.00%
20.0	2372.846	90.362	1763.232	2.75%	62.19%
21.0	2146.810	86.787	1850.019	2.64%	65.25%
22.0	1970.584	82.741	1932.76	2.52%	68.17%
23.0	1811.184	79.352	2012.111	2.41%	70.96%
24.0	1630.715	75.252	2087.364	2.29%	73.62%
25.0	1459.602	70.267	2157.631	2.14%	76.10%
26.0	1289.821	64.900	2222.531	1.97%	78.39%
27.0	1196.207	60.821	2283.352	1.85%	80.53%
28.0	1100.691	58.153	2341.505	1.77%	82.58%
29.0	988.262	54.653	2396.158	1.66%	84.51%
30.0	871.429	50.211	2446.369	1.53%	86.28%
31.0	746.623	45.028	2491.397	1.37%	87.87%
32.0	631.750	39.489	2530.886	1.20%	89.26%
33.0	517.251	33.850	2564.736	1.03%	90.45%
34.0	407.148	27.975	2592.711	0.85%	91.44%
35.0	310.520	22.288	2614.999	0.68%	92.23%
36.0	249.811	17.841	2632.84	0.54%	92.86%
37.0	176.636	13.908	2646.749	0.42%	93.35%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	146.855	10.798	2657.546	0.33%	93.73%
39.0	108.289	8.709	2666.255	0.26%	94.04%
40.0	99.898	7.261	2673.516	0.22%	94.29%
41.0	93.438	6.885	2680.4	0.21%	94.53%
42.0	87.001	6.556	2686.956	0.20%	94.77%
43.0	81.302	6.234	2693.191	0.19%	94.99%
44.0	76.167	5.943	2699.134	0.18%	95.19%
45.0	71.412	5.672	2704.806	0.17%	95.39%
46.0	66.920	5.410	2710.215	0.16%	95.59%
47.0	62.875	5.162	2715.378	0.16%	95.77%
48.0	59.371	4.942	2720.32	0.15%	95.94%
49.0	56.423	4.755	2725.075	0.14%	96.11%
50.0	53.775	4.595	2729.669	0.14%	96.27%
51.0	51.646	4.460	2734.129	0.14%	96.43%
52.0	49.942	4.359	2738.489	0.13%	96.58%
53.0	48.464	4.281	2742.769	0.13%	96.73%
54.0	47.286	4.220	2746.99	0.13%	96.88%
55.0	46.218	4.174	2751.163	0.13%	97.03%
56.0	45.413	4.141	2755.304	0.13%	97.18%
57.0	44.441	4.108	2759.412	0.12%	97.32%
58.0	43.233	4.054	2763.467	0.12%	97.46%
59.0	41.251	3.950	2767.416	0.12%	97.60%
60.0	39.122	3.797	2771.214	0.12%	97.74%
61.0	36.350	3.602	2774.815	0.11%	97.86%
62.0	33.592	3.370	2778.185	0.10%	97.98%
63.0	30.841	3.134	2781.319	0.10%	98.09%
64.0	27.996	2.887	2784.206	0.09%	98.20%
65.0	25.801	2.662	2786.869	0.08%	98.29%
66.0	24.097	2.490	2789.358	0.08%	98.38%
67.0	22.816	2.359	2791.717	0.07%	98.46%
68.0	22.363	2.289	2794.006	0.07%	98.54%
69.0	22.173	2.272	2796.278	0.07%	98.62%
70.0	22.041	2.271	2798.549	0.07%	98.70%
71.0	22.063	2.280	2800.828	0.07%	98.78%
72.0	22.085	2.296	2803.124	0.07%	98.86%
73.0	21.851	2.298	2805.421	0.07%	98.94%
74.0	21.383	2.273	2807.694	0.07%	99.02%
75.0	20.995	2.239	2809.933	0.07%	99.10%

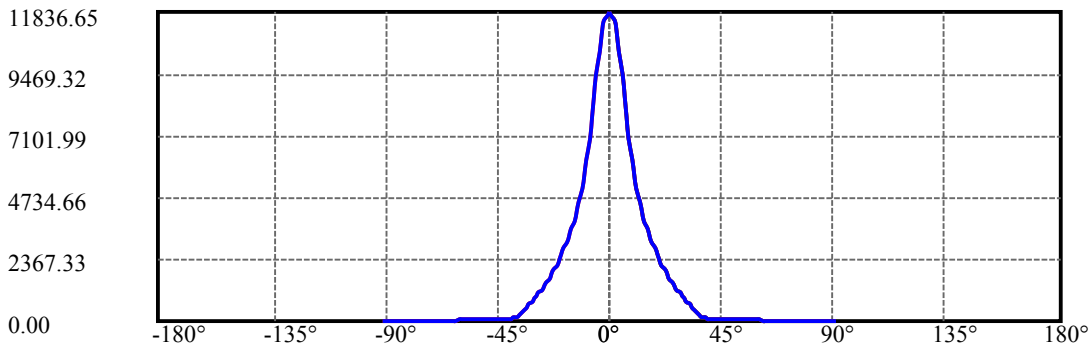
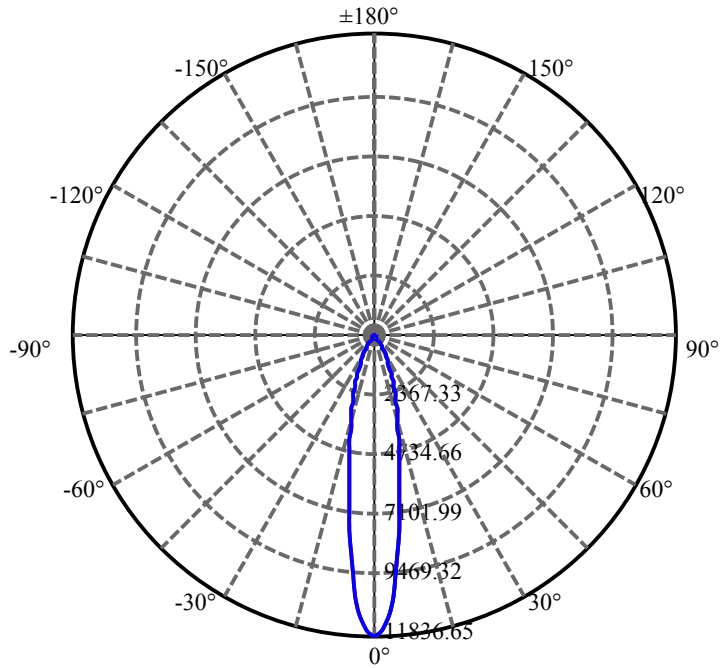
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.527	2.204	2812.137	0.07%	99.18%
77.0	19.890	2.155	2814.292	0.07%	99.26%
78.0	19.422	2.104	2816.397	0.06%	99.33%
79.0	18.669	2.047	2818.443	0.06%	99.40%
80.0	17.842	1.968	2820.412	0.06%	99.47%
81.0	16.642	1.865	2822.276	0.06%	99.54%
82.0	15.494	1.743	2824.019	0.05%	99.60%
83.0	14.426	1.626	2825.646	0.05%	99.66%
84.0	13.599	1.527	2827.172	0.05%	99.71%
85.0	13.094	1.457	2828.629	0.04%	99.76%
86.0	12.677	1.409	2830.038	0.04%	99.81%
87.0	12.363	1.370	2831.408	0.04%	99.86%
88.0	12.107	1.340	2832.749	0.04%	99.91%
89.0	11.968	1.320	2834.068	0.04%	99.95%
90.0	11.887	1.308	2835.376	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2446.37	74.43%	86.28%
0-40	2673.52	81.34%	94.29%
0-60	2771.21	84.31%	97.74%
0-90	2834.07	86.22%	99.95%
0-120	2834.07	86.22%	99.95%
0-180	2835.38	86.26%	100.00%
60-90	62.85	1.91%	2.22%
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%
0-26.75	2268.30	69.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	769.48
10-20	993.75
20-30	683.14
30-40	227.15
40-50	56.15
50-60	41.54
60-70	27.33
70-80	21.86
80-90	13.66
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



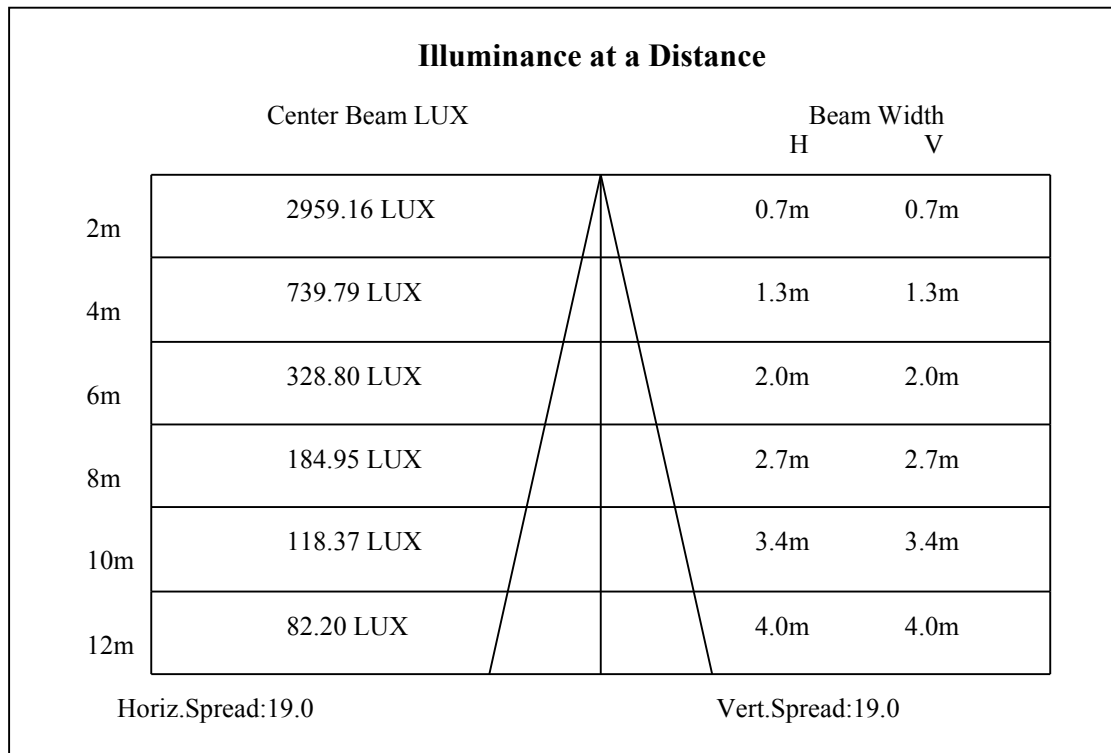
C0(Max): —————

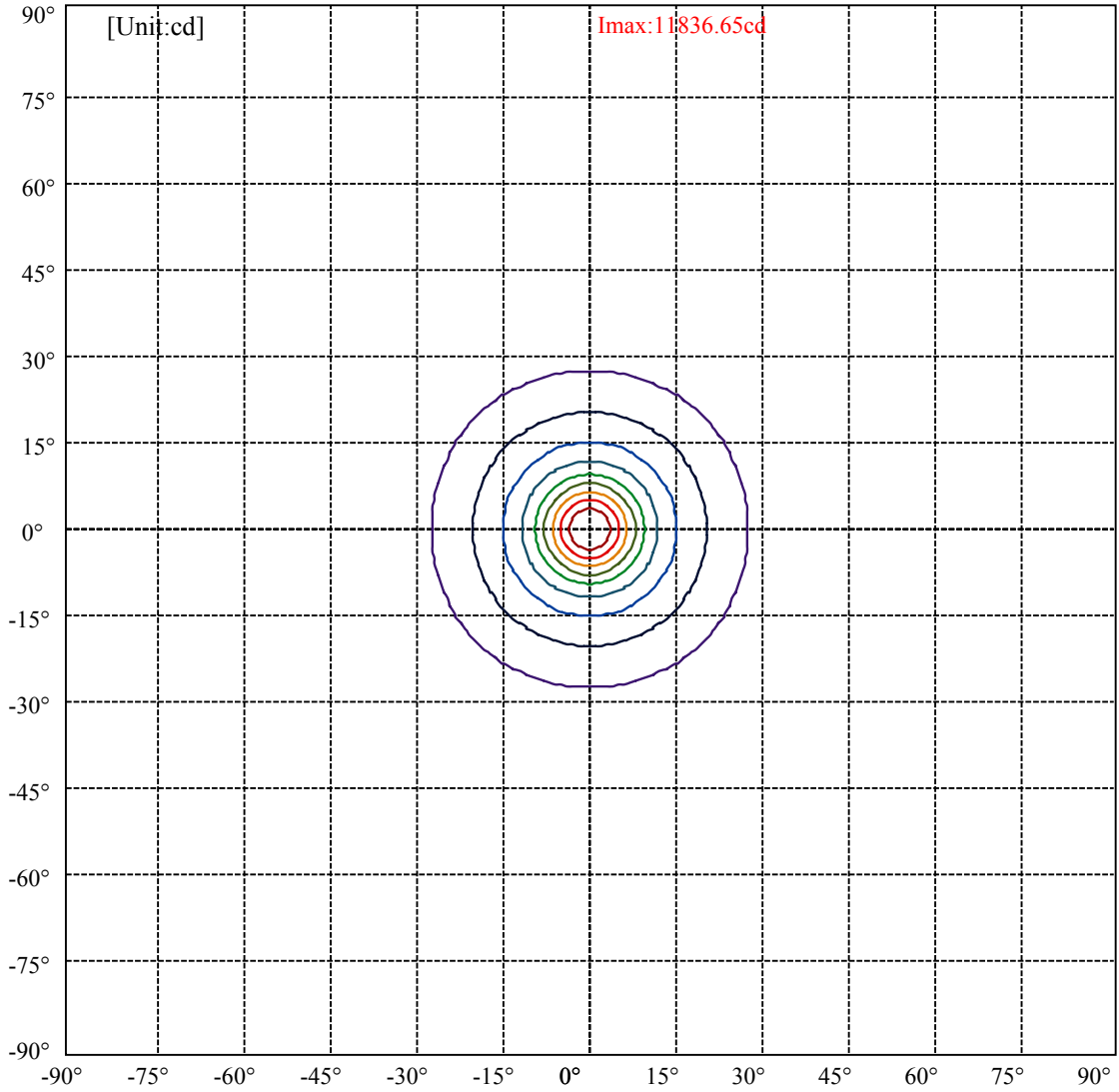
C0/C180: —————

C90/C270: —————

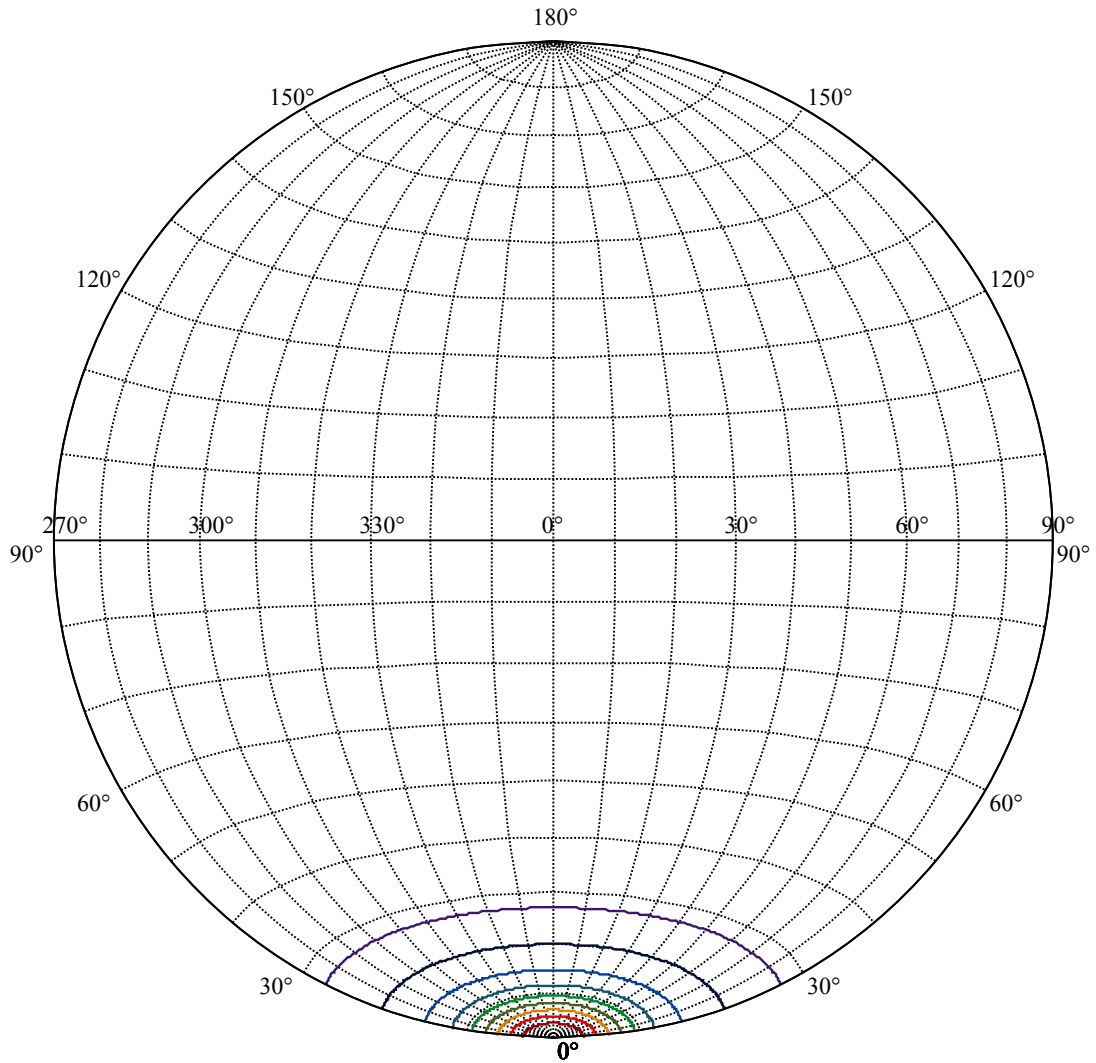
Field angle(10%Imax):C0/180Left:27.1 Right:27.1
:C90/270Left:27.1 Right:27.1

Beam Angle(50%Imax):C0/180Left:9.4 Right:9.4
:C90/270Left:9.4 Right:9.4





(10%Imax) 1183.66	—
(20%Imax) 2367.33	—
(30%Imax) 3550.99	—
(40%Imax) 4734.66	—
(50%Imax) 5918.32	—
(60%Imax) 7101.99	—
(70%Imax) 8285.65	—
(80%Imax) 9469.32	—
(90%Imax) 10653	—



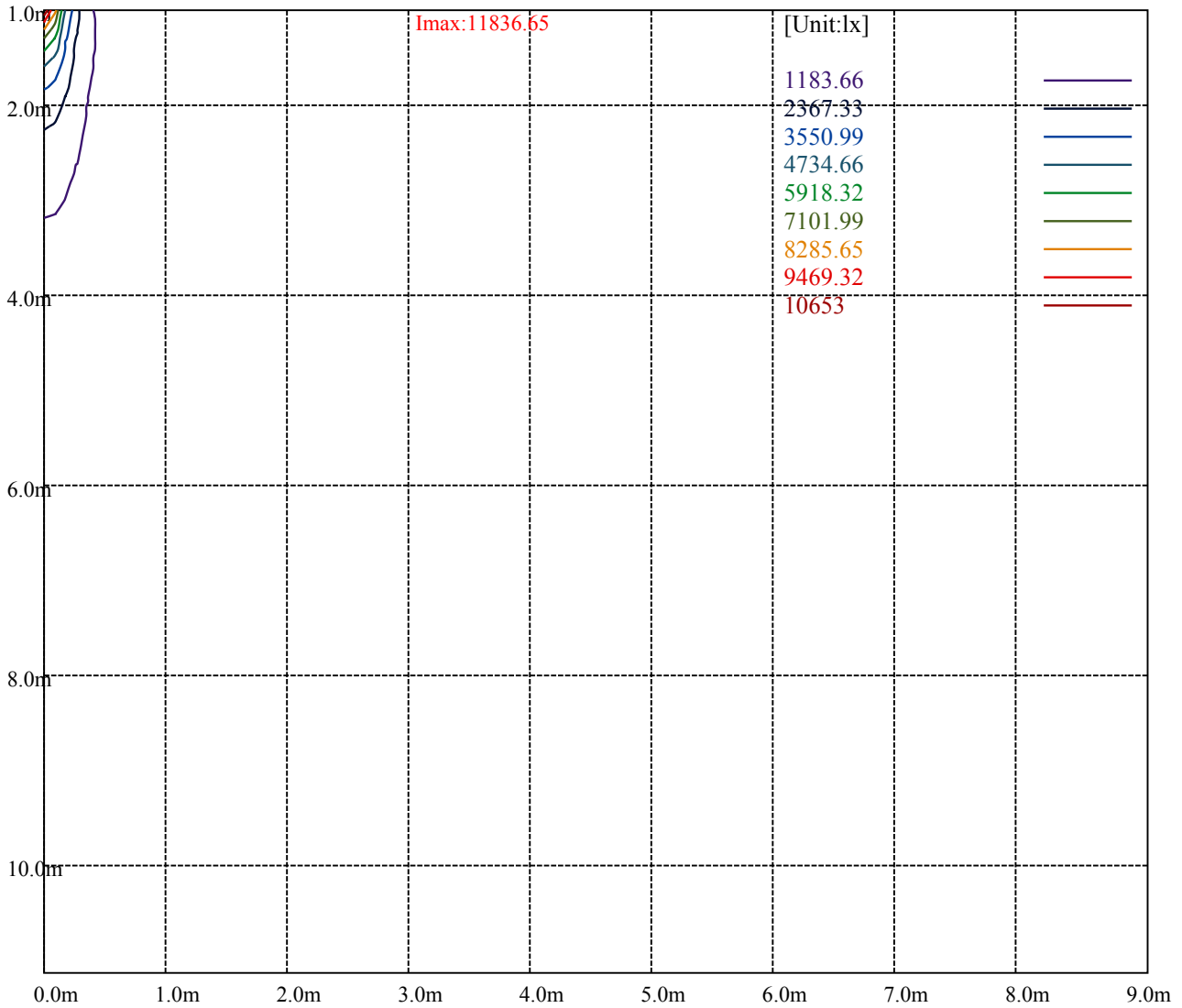
House

[Unit:cd]

Road

Imax:11836.65

(10%Imax)	1183.66	—
(20%Imax)	2367.33	—
(30%Imax)	3550.99	—
(40%Imax)	4734.66	—
(50%Imax)	5918.32	—
(60%Imax)	7101.99	—
(70%Imax)	8285.65	—
(80%Imax)	9469.32	—
(90%Imax)	10653	—



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

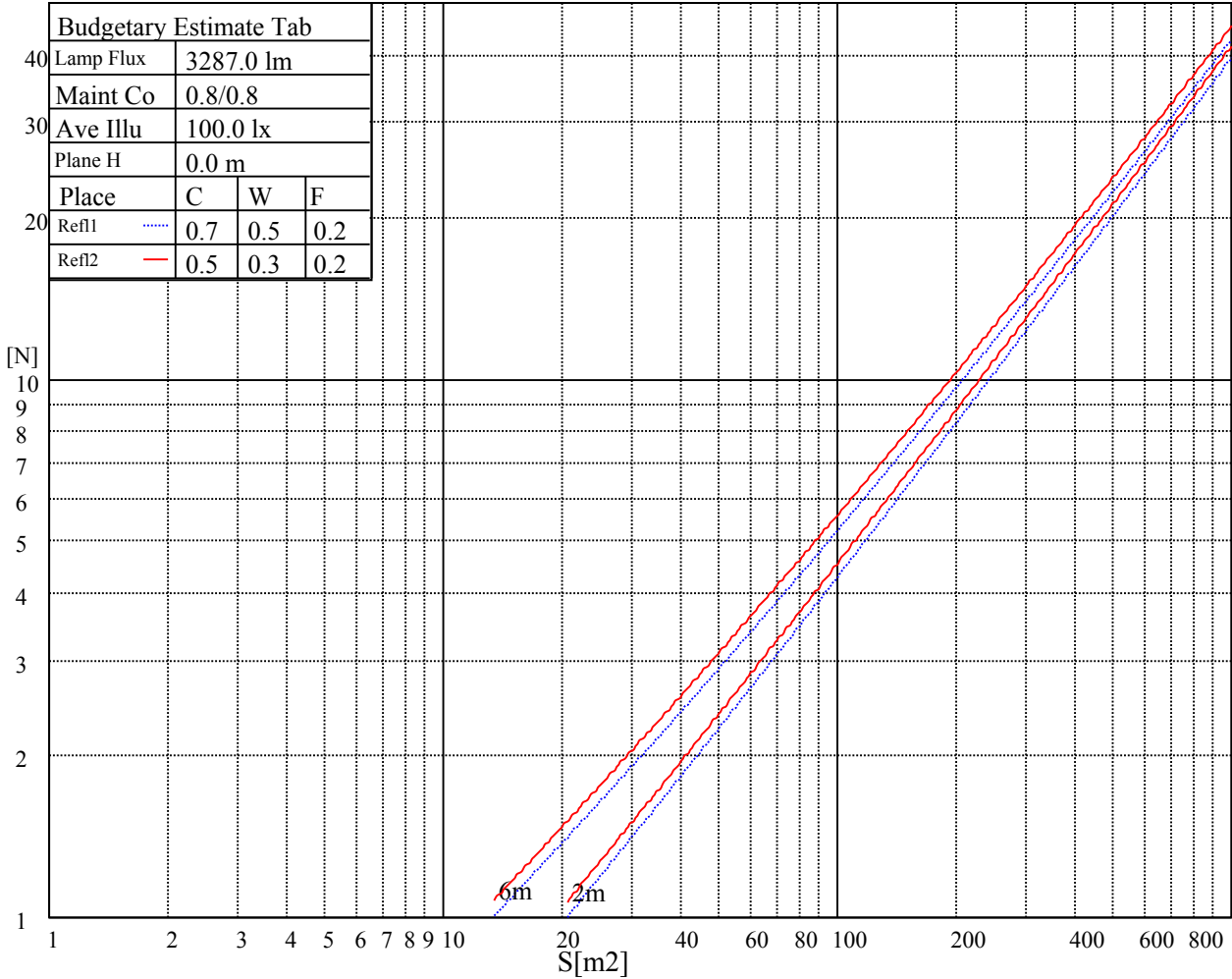
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

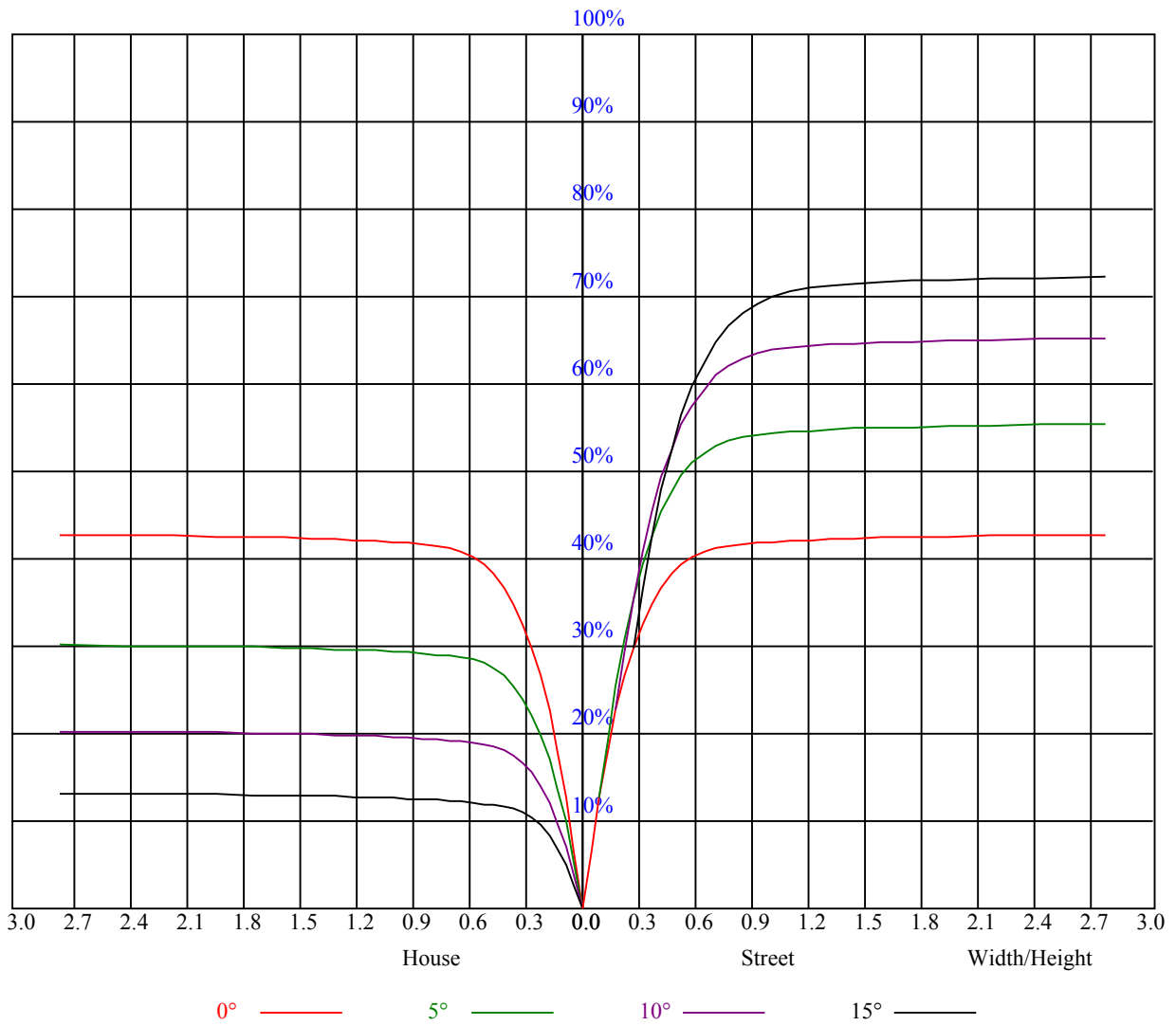


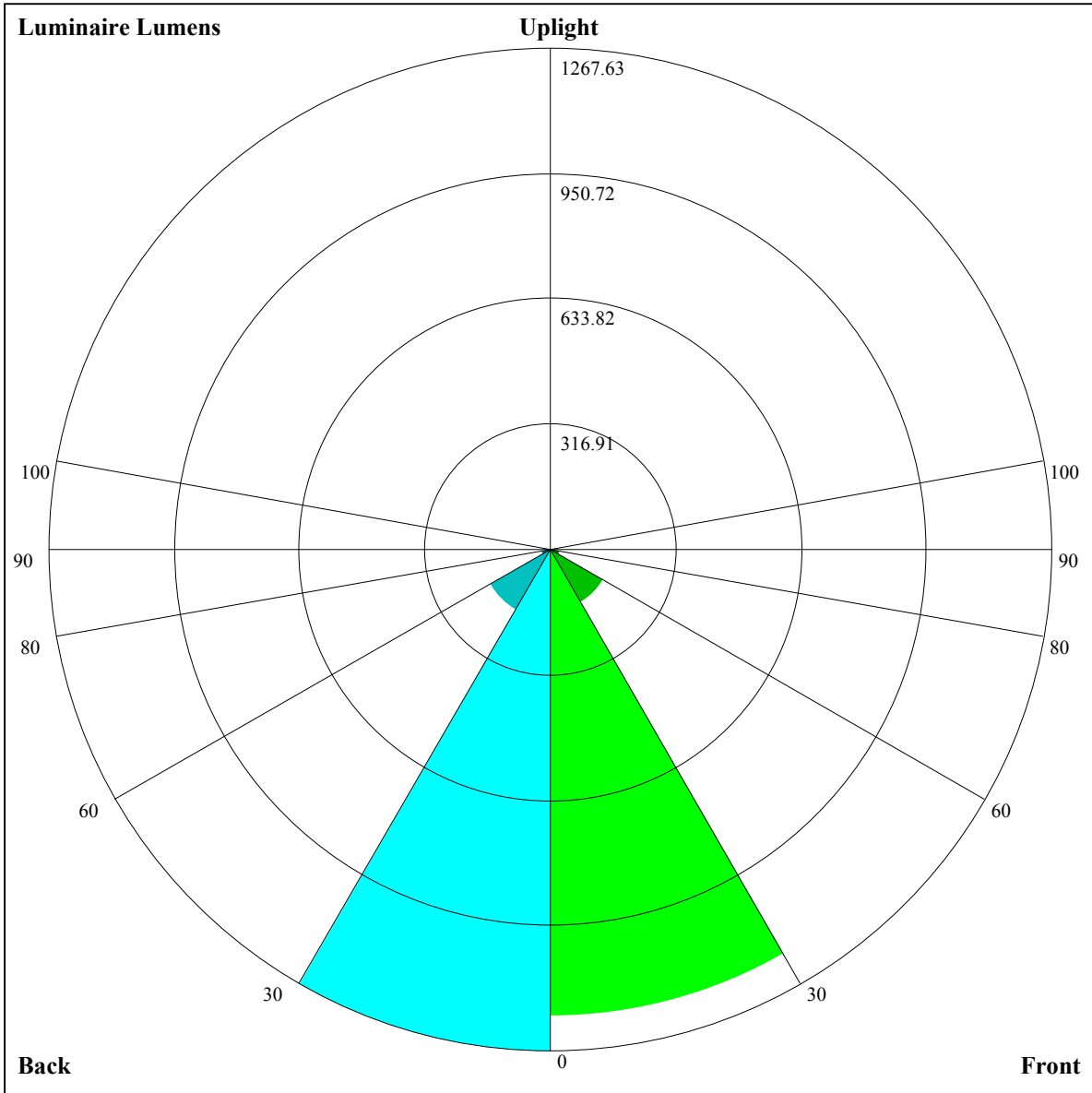
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.93	0.91	0.91	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.88	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.77
3	0.86	0.82	0.79	0.85	0.81	0.79	0.82	0.80	0.77	0.80	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.76	0.73	0.72	0.70
5	0.78	0.74	0.70	0.77	0.73	0.70	0.76	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	0.73	0.69	0.66	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	0.64	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	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.57
10	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.56	0.55





Luminaire Lumens:

FL=1178.86,FM=152.92,FH=23.77,FVH=7.27

BL=1267.63,BM=175.58,BH=25.1,BVH=7.67

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	11593.37	11318.31	10673.98	9755.76	8944.64	8131.17	7125.17	6378.43	5758.67
45.0	12076.70	11889.43	11491.48	10871.14	9969.89	9179.84	8366.38	7552.91	6581.44
90.0	11582.25	11582.25	10864.76	10176.54	9396.43	8375.80	7562.92	6778.72	5947.70
135.0	12094.26	11959.66	11649.49	10982.33	10285.91	9308.59	8495.13	7687.52	6915.02
180.0	11593.37	11593.37	12053.29	11860.17	11473.92	10742.39	10040.12	9261.77	8413.19
225.0	12076.70	11576.98	11576.98	11325.92	10707.92	9793.21	8976.24	7905.86	7097.67
270.0	11582.25	12152.78	12047.44	11713.86	11222.27	10555.12	9817.73	8799.44	7950.87
315.0	12094.26	11666.52	11666.52	11124.02	10431.11	9477.78	8667.24	7832.12	7012.22
360.0	11593.37	11318.31	10673.98	9755.76	8944.64	8131.17	7125.17	6378.43	5758.67
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5148.28	4717.56	4337.16	3990.12	3600.36	3313.02	3053.76	2826.70	2573.29
45.0	5937.69	5422.69	4855.03	4462.93	4105.94	3707.99	3409.52	3146.17	2964.75
90.0	5421.58	4961.01	4460.06	4108.92	3789.39	3423.62	3157.93	2914.48	2701.46
135.0	6054.74	5510.48	5036.45	4620.94	4170.31	3842.59	3538.27	3198.84	2964.75
180.0	7383.20	6634.11	5966.95	5282.24	4831.62	4451.22	4012.30	3707.99	3368.56
225.0	6363.21	5583.69	5078.64	4661.38	4296.20	3879.52	3585.15	3310.09	3054.35
270.0	6932.58	6230.31	5621.67	4995.48	4579.97	4222.98	3889.41	3514.86	3245.66
315.0	6101.03	5528.09	5060.50	4543.75	4193.20	3866.64	3491.51	3213.53	2964.81
360.0	5148.28	4717.56	4337.16	3990.12	3600.36	3313.02	3053.76	2826.70	2573.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2391.29	2226.25	2034.30	1878.05	1679.07	1515.79	1277.60	1151.66	1129.07
45.0	2964.75	2457.42	2283.02	2083.46	1928.37	1774.46	1573.14	1414.55	1285.80
90.0	2460.93	2286.53	2126.77	1968.17	1770.95	1610.01	1412.21	1165.89	1165.89
135.0	2964.75	2517.11	2343.30	2175.93	1982.80	1827.72	1669.71	1505.26	1320.33
180.0	3105.20	2982.31	2982.31	2415.87	2249.08	2094.58	1937.74	1742.27	1581.34
225.0	2775.20	2570.37	2381.92	2173.00	2022.01	1829.47	1673.80	1516.38	1147.63
270.0	2988.16	2988.16	2526.47	2337.45	2178.85	2034.30	1847.03	1682.00	1534.52
315.0	2685.07	2485.51	2304.67	2142.57	1953.54	1803.14	1654.49	1498.82	1154.01
360.0	2391.29	2226.25	2034.30	1878.05	1679.07	1515.79	1277.60	1151.66	1129.07
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1019.52	908.74	800.76	666.81	559.77	452.79	351.72	237.02	161.87
45.0	1190.99	1065.17	955.73	822.30	714.62	604.01	467.07	362.31	313.15
90.0	1090.68	956.02	846.76	735.22	596.17	486.91	383.26	286.99	185.63
135.0	1213.23	1118.42	1008.99	872.04	760.27	647.90	513.30	408.55	314.32
180.0	1419.23	1288.14	1168.75	1073.95	934.08	820.54	706.43	566.56	460.05
225.0	1147.63	1127.20	1026.84	914.24	774.84	662.83	551.57	444.71	327.67
270.0	1334.37	1229.62	1116.08	1014.84	900.72	755.00	646.73	535.54	426.69
315.0	1154.01	1112.22	982.18	872.04	732.53	624.03	517.92	415.51	294.78
360.0	1019.52	908.74	800.76	666.81	559.77	452.79	351.72	237.02	161.87
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	113.24	103.29	95.27	88.49	83.22	78.54	72.28	67.83	63.97
45.0	313.15	121.55	110.14	101.65	95.80	90.42	84.21	79.01	73.86
90.0	132.38	115.35	106.63	98.79	92.58	86.79	80.00	74.91	69.29
135.0	314.32	146.19	119.39	107.45	100.25	93.87	87.55	80.59	75.08
180.0	362.31	296.77	296.77	132.14	116.64	107.51	99.02	93.28	87.73
225.0	245.62	178.14	127.29	115.29	104.87	98.96	93.28	86.61	81.35
270.0	305.55	305.55	206.47	121.26	111.25	101.89	96.56	89.77	84.57
315.0	211.91	146.25	112.89	101.24	94.57	89.54	83.10	78.42	73.50
360.0	113.24	103.29	95.27	88.49	83.22	78.54	72.28	67.83	63.97

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	60.16	56.88	54.13	51.97	49.92	47.87	47.17	46.41	45.88
45.0	68.71	64.61	60.69	57.88	55.25	52.38	50.45	49.39	48.52
90.0	65.31	61.68	58.35	54.95	52.73	50.86	49.45	47.70	46.70
135.0	70.58	66.36	61.45	58.11	55.07	52.03	49.92	48.34	46.64
180.0	82.63	75.90	71.34	65.95	62.74	59.63	56.12	53.61	51.09
225.0	76.31	71.81	66.72	63.26	60.04	57.06	54.19	52.09	50.45
270.0	79.36	73.50	69.29	65.37	60.98	57.88	55.77	53.61	51.15
315.0	68.24	64.61	61.04	57.47	54.66	52.49	50.10	48.40	47.29
360.0	60.16	56.88	54.13	51.97	49.92	47.87	47.17	46.41	45.88
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	45.06	44.13	43.13	41.96	40.61	36.64	34.76	31.54	28.79
45.0	47.52	46.70	46.00	44.71	43.01	41.79	38.62	35.64	32.42
90.0	46.17	45.41	44.65	43.07	40.97	38.33	35.58	32.36	29.03
135.0	45.71	44.77	44.13	43.42	42.37	40.09	38.33	35.11	33.01
180.0	49.39	47.81	46.99	46.35	45.41	44.07	42.55	41.02	38.27
225.0	48.81	47.81	46.88	45.88	44.95	43.37	41.14	38.39	35.99
270.0	49.51	48.05	46.99	46.29	45.71	44.71	42.37	40.73	37.10
315.0	46.12	45.06	44.54	43.83	42.84	41.02	39.62	35.99	34.12
360.0	45.06	44.13	43.13	41.96	40.61	36.64	34.76	31.54	28.79
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.22	23.99	22.77	21.59	21.13	21.48	21.01	20.54	20.66
45.0	29.44	26.80	24.76	24.29	23.76	24.76	26.57	26.92	25.98
90.0	27.21	24.05	22.82	21.77	20.95	20.54	20.54	20.66	20.66
135.0	29.26	27.04	24.99	22.82	21.71	20.66	19.84	19.31	18.84
180.0	35.64	33.53	29.44	27.80	24.93	24.40	24.40	24.70	25.52
225.0	33.24	29.32	27.33	24.93	23.82	23.35	23.23	23.94	25.40
270.0	35.00	31.43	28.73	26.04	23.82	22.82	21.59	20.78	20.48
315.0	30.72	27.80	25.57	23.53	22.41	20.89	20.19	19.49	18.96
360.0	26.22	23.99	22.77	21.59	21.13	21.48	21.01	20.54	20.66
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.90	20.01	19.78	19.78	19.49	19.31	19.02	17.91	16.44
45.0	26.98	25.57	25.05	24.11	23.76	22.88	21.95	21.01	19.84
90.0	20.54	20.13	19.43	19.14	18.14	17.21	16.33	15.51	14.86
135.0	18.26	17.97	17.56	17.21	16.80	16.44	16.09	15.63	15.27
180.0	26.98	27.68	26.74	26.28	26.34	25.40	25.46	25.05	24.17
225.0	25.52	25.34	24.64	24.29	23.41	22.53	21.95	20.89	20.01
270.0	20.19	20.19	20.37	20.13	19.72	19.20	18.73	17.97	17.09
315.0	18.32	17.91	17.50	17.03	16.56	16.15	15.86	15.39	15.04
360.0	19.90	20.01	19.78	19.78	19.49	19.31	19.02	17.91	16.44
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.46	13.58	13.17	12.87	12.47	12.17	12.06	11.82	11.82
45.0	16.97	14.51	13.69	13.28	12.87	12.41	12.17	12.06	11.82
90.0	14.34	13.81	13.46	12.99	12.52	12.23	12.11	11.76	11.94
135.0	14.86	14.40	13.93	13.46	12.99	12.52	12.29	12.06	11.82
180.0	22.59	20.89	17.79	14.63	13.93	13.46	12.87	12.41	12.11
225.0	19.08	16.97	14.46	13.75	13.40	12.87	12.47	12.23	12.11
270.0	16.27	15.51	14.98	14.34	13.52	13.05	12.58	12.35	12.06
315.0	14.57	14.28	13.93	13.46	13.05	12.70	12.35	12.17	12.06
360.0	14.46	13.58	13.17	12.87	12.47	12.17	12.06	11.82	11.82

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.76
45.0	11.82
90.0	11.82
135.0	11.94
180.0	12.35
225.0	11.70
270.0	11.82
315.0	11.88
360.0	11.76