



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: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024305-B020

Ballast type: AC

Test No: 2024305-C020

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): 2730.10, Efficiency(%): 83.06% , Luminous Efficacy(lm/W): 149.88

Central intensity(cd): 10848.810, Maximum intensity(cd): 10848.810

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

Beam Angle(50%Imax): [C0/180]Total=22.0

[C90/270]Total=22.0

Field angle(10%Imax): [C0/180]Total=54.4

[C90/270]Total=54.4

Maximum s/h(1/2): C0\_180=0.37 C90\_270=0.37

Maximum s/h(1/4): C0\_180=0.42 C90\_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.06%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.977%

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	10848.813	0.000	0	0.00%	0.00%
1.0	10773.173	10.346	10.346	0.31%	0.38%
2.0	10534.474	30.583	40.928	0.93%	1.50%
3.0	10157.955	49.489	90.418	1.51%	3.31%
4.0	9655.466	66.322	156.74	2.02%	5.74%
5.0	9085.457	80.622	237.362	2.45%	8.69%
6.0	8478.725	92.304	329.667	2.81%	12.08%
7.0	7857.363	101.398	431.065	3.08%	15.79%
8.0	7194.449	107.723	538.788	3.28%	19.74%
9.0	6603.737	111.827	650.614	3.40%	23.83%
10.0	5989.324	113.963	764.577	3.47%	28.01%
11.0	5424.070	114.043	878.62	3.47%	32.18%
12.0	4925.897	113.140	991.76	3.44%	36.33%
13.0	4441.697	111.170	1102.93	3.38%	40.40%
14.0	4006.436	108.135	1211.065	3.29%	44.36%
15.0	3623.845	104.752	1315.817	3.19%	48.20%
16.0	3289.974	101.307	1417.124	3.08%	51.91%
17.0	2976.659	97.588	1514.712	2.97%	55.48%
18.0	2724.208	93.995	1608.707	2.86%	58.92%
19.0	2488.874	90.697	1699.404	2.76%	62.25%
20.0	2269.342	87.089	1786.493	2.65%	65.44%
21.0	2064.952	83.227	1869.72	2.53%	68.49%
22.0	1884.264	79.361	1949.081	2.41%	71.39%
23.0	1722.961	75.689	2024.77	2.30%	74.16%
24.0	1525.272	71.018	2095.788	2.16%	76.77%
25.0	1356.844	65.533	2161.321	1.99%	79.17%
26.0	1248.095	61.490	2222.811	1.87%	81.42%
27.0	1121.181	57.965	2280.776	1.76%	83.54%
28.0	975.877	53.093	2333.869	1.62%	85.49%
29.0	837.252	47.437	2381.306	1.44%	87.22%
30.0	706.074	41.669	2422.975	1.27%	88.75%
31.0	579.768	35.783	2458.758	1.09%	90.06%
32.0	466.571	29.976	2488.735	0.91%	91.16%
33.0	361.493	24.395	2513.13	0.74%	92.05%
34.0	283.190	19.510	2532.64	0.59%	92.77%
35.0	244.865	16.399	2549.039	0.50%	93.37%
36.0	192.846	13.937	2562.976	0.42%	93.88%
37.0	149.744	11.173	2574.15	0.34%	94.29%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	128.618	9.291	2583.441	0.28%	94.63%
39.0	113.987	8.281	2591.722	0.25%	94.93%
40.0	102.202	7.540	2599.262	0.23%	95.21%
41.0	90.703	6.869	2606.131	0.21%	95.46%
42.0	81.990	6.274	2612.405	0.19%	95.69%
43.0	73.643	5.765	2618.17	0.18%	95.90%
44.0	66.218	5.279	2623.449	0.16%	96.09%
45.0	59.861	4.845	2628.294	0.15%	96.27%
46.0	54.594	4.476	2632.77	0.14%	96.44%
47.0	49.554	4.142	2636.913	0.13%	96.59%
48.0	45.479	3.842	2640.754	0.12%	96.73%
49.0	41.931	3.590	2644.344	0.11%	96.86%
50.0	38.947	3.372	2647.716	0.10%	96.98%
51.0	36.342	3.185	2650.902	0.10%	97.10%
52.0	34.199	3.027	2653.928	0.09%	97.21%
53.0	32.363	2.895	2656.824	0.09%	97.32%
54.0	30.776	2.783	2659.607	0.08%	97.42%
55.0	29.459	2.689	2662.296	0.08%	97.52%
56.0	28.310	2.610	2664.906	0.08%	97.61%
57.0	27.403	2.547	2667.453	0.08%	97.71%
58.0	26.664	2.500	2669.954	0.08%	97.80%
59.0	26.167	2.470	2672.424	0.08%	97.89%
60.0	25.823	2.456	2674.88	0.07%	97.98%
61.0	25.560	2.452	2677.332	0.07%	98.07%
62.0	25.209	2.446	2679.778	0.07%	98.16%
63.0	24.696	2.427	2682.205	0.07%	98.25%
64.0	23.811	2.380	2684.586	0.07%	98.33%
65.0	22.736	2.304	2686.889	0.07%	98.42%
66.0	21.631	2.214	2689.103	0.07%	98.50%
67.0	20.615	2.124	2691.227	0.06%	98.58%
68.0	19.817	2.048	2693.275	0.06%	98.65%
69.0	19.371	1.999	2695.274	0.06%	98.72%
70.0	19.261	1.984	2697.258	0.06%	98.80%
71.0	19.130	1.984	2699.243	0.06%	98.87%
72.0	19.064	1.986	2701.229	0.06%	98.94%
73.0	18.976	1.989	2703.218	0.06%	99.02%
74.0	18.566	1.974	2705.191	0.06%	99.09%
75.0	18.149	1.940	2707.131	0.06%	99.16%

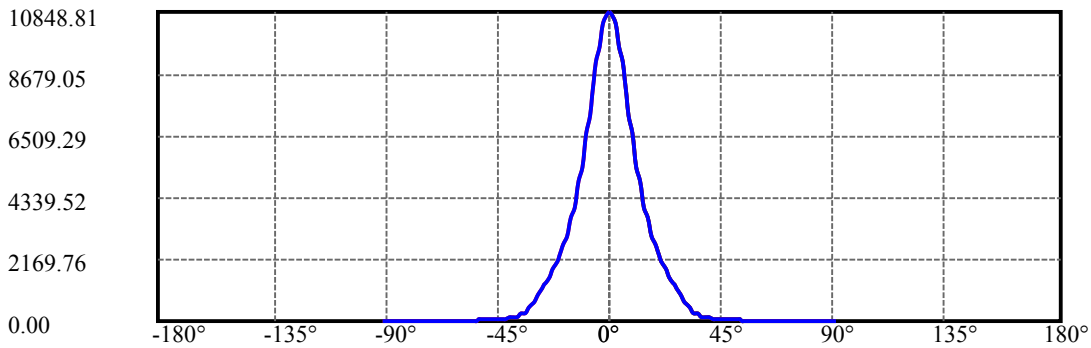
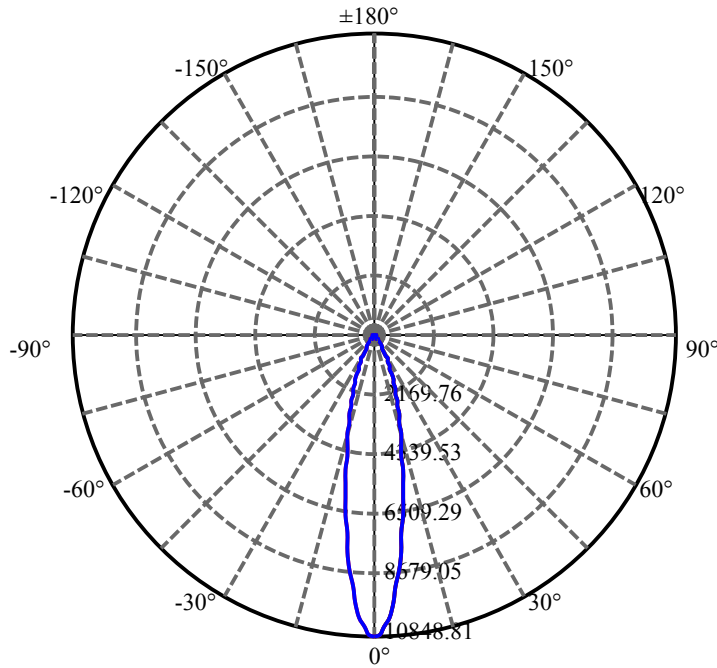
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.703	1.903	2709.035	0.06%	99.23%
77.0	17.242	1.863	2710.898	0.06%	99.30%
78.0	16.694	1.817	2712.714	0.06%	99.36%
79.0	16.116	1.763	2714.477	0.05%	99.43%
80.0	15.333	1.695	2716.173	0.05%	99.49%
81.0	14.521	1.614	2717.787	0.05%	99.55%
82.0	13.767	1.534	2719.321	0.05%	99.61%
83.0	13.138	1.463	2720.784	0.04%	99.66%
84.0	12.794	1.413	2722.196	0.04%	99.71%
85.0	12.509	1.381	2723.577	0.04%	99.76%
86.0	12.202	1.351	2724.928	0.04%	99.81%
87.0	11.939	1.321	2726.249	0.04%	99.86%
88.0	11.741	1.297	2727.546	0.04%	99.91%
89.0	11.617	1.280	2728.827	0.04%	99.95%
90.0	11.558	1.271	2730.097	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2422.98	73.71%	88.75%
0-40	2599.26	79.08%	95.21%
0-60	2674.88	81.38%	97.98%
0-90	2728.83	83.02%	99.95%
0-120	2728.83	83.02%	99.95%
0-180	2730.10	83.06%	100.00%
60-90	53.95	1.64%	1.98%
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%
0-25.37	2184.08	66.45%	80.00%

ZONAL LUMEN SUMMARY

0-10	764.58
10-20	1021.92
20-30	636.48
30-40	176.29
40-50	48.45
50-60	27.16
60-70	22.38
70-80	18.91
80-90	12.65
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



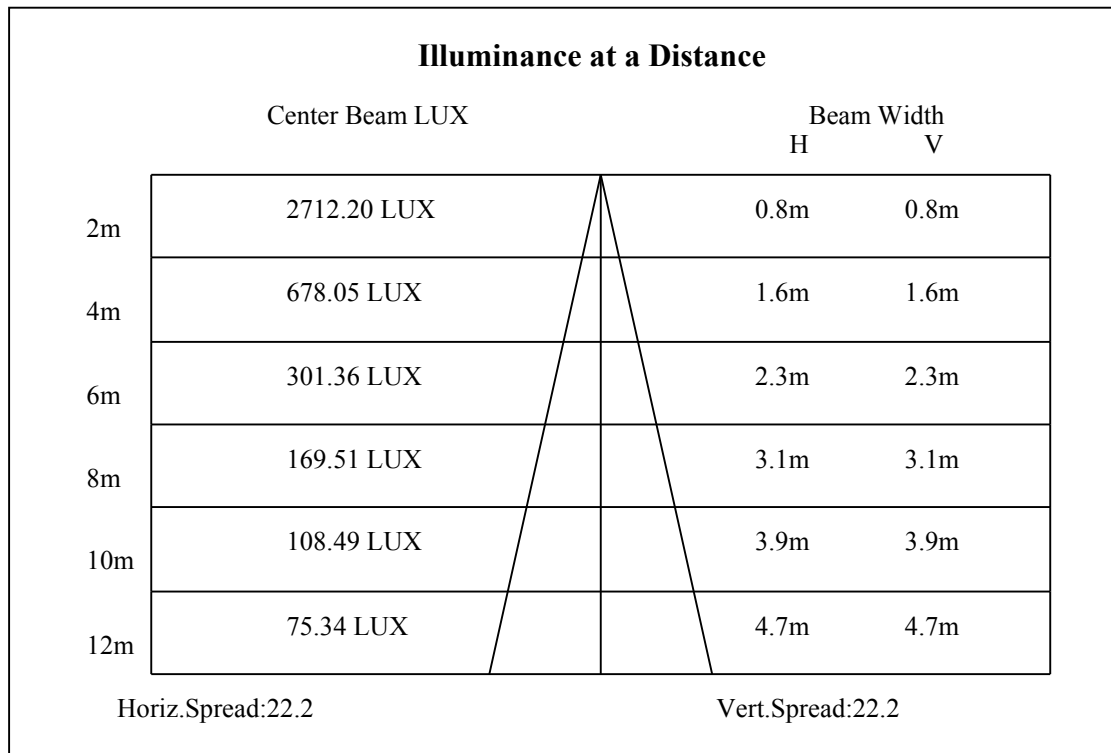
C0(Max): —————

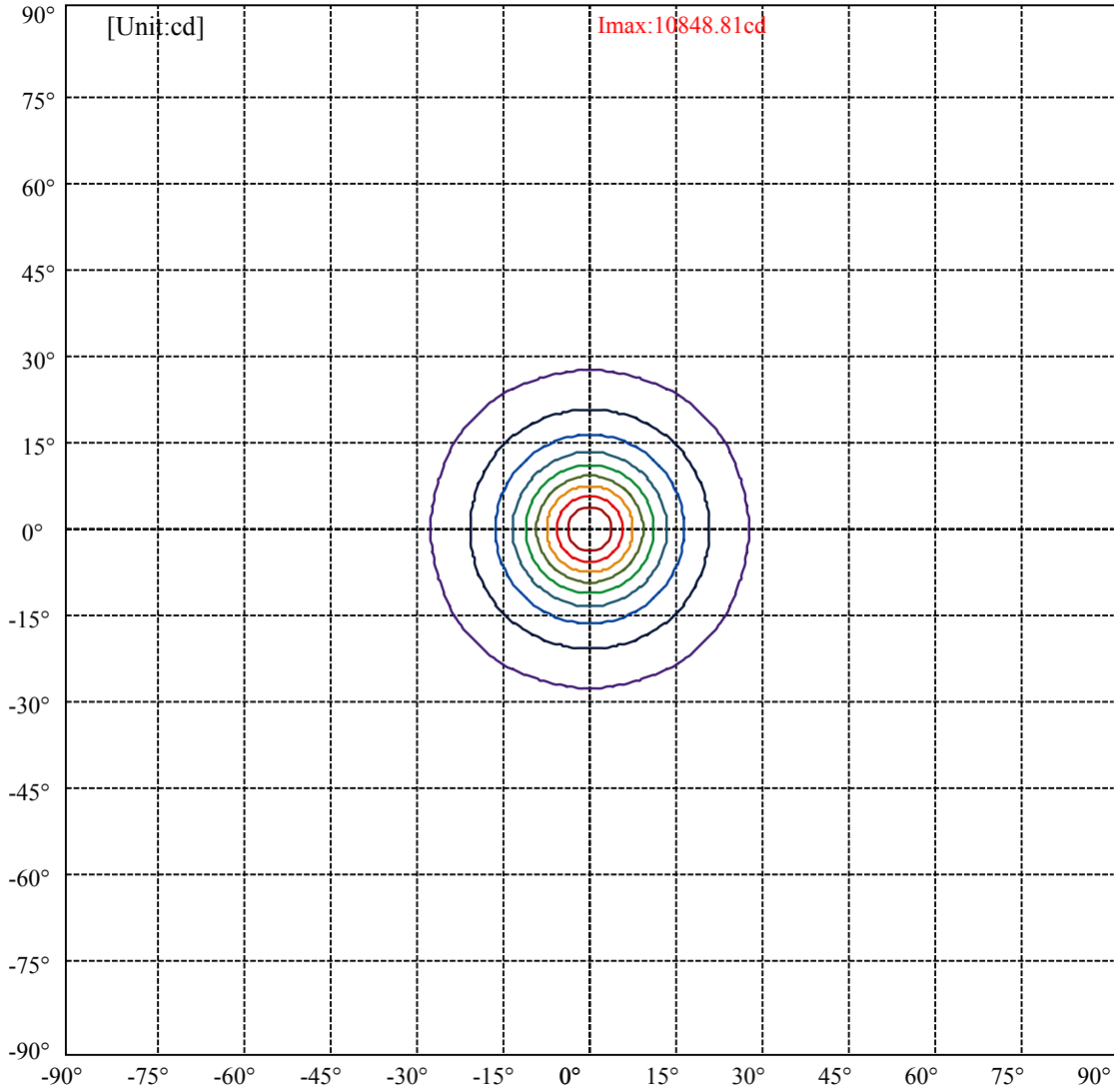
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:27.2 Right:27.2  
:C90/270Left:27.2 Right:27.2

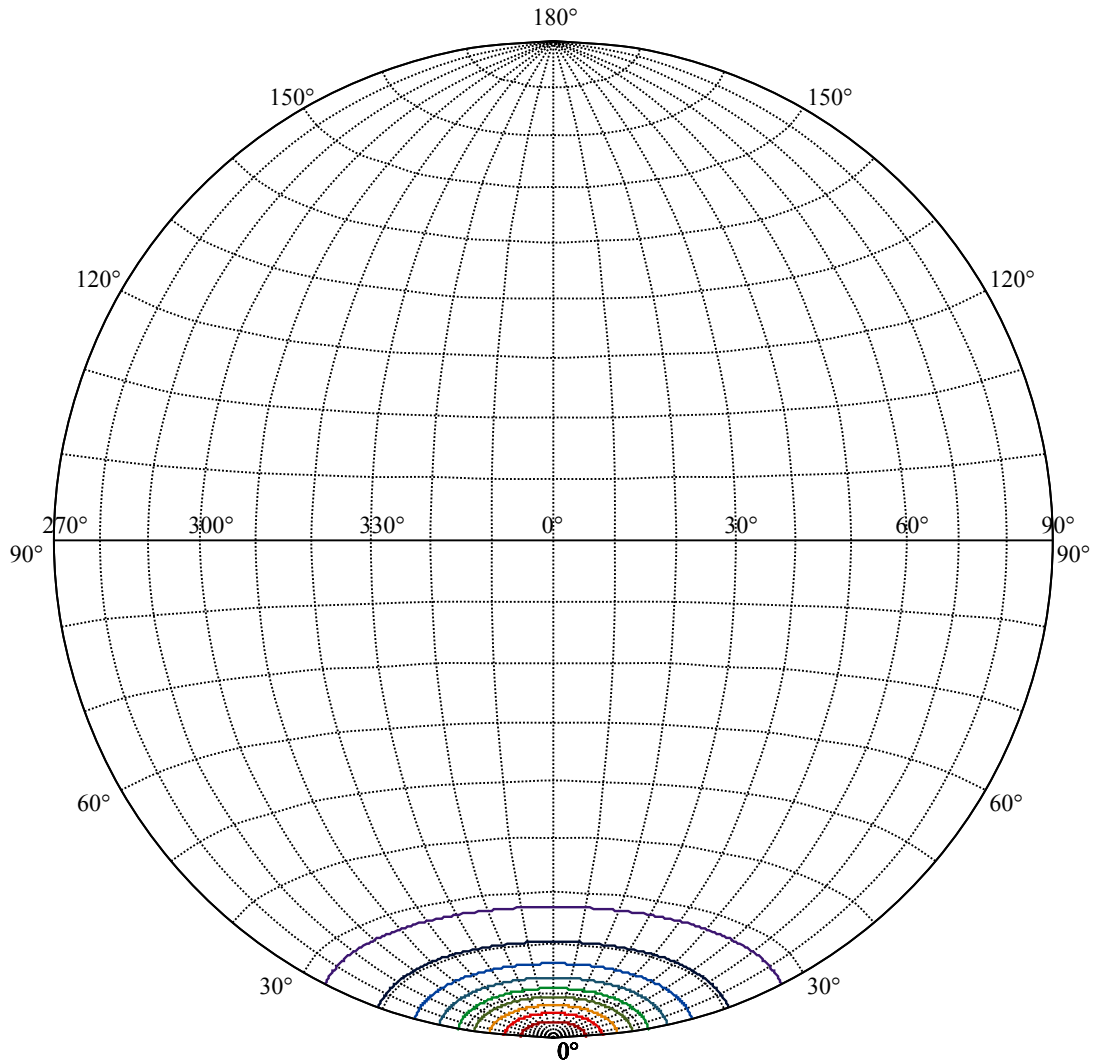
Beam Angle(50%Imax):C0/180Left:11.0 Right:11.0  
:C90/270Left:11.0 Right:11.0





(10%Imax)	1084.88	—
(20%Imax)	2169.76	—
(30%Imax)	3254.64	—
(40%Imax)	4339.52	—
(50%Imax)	5424.41	—
(60%Imax)	6509.29	—
(70%Imax)	7594.17	—
(80%Imax)	8679.05	—
(90%Imax)	9763.93	—





House

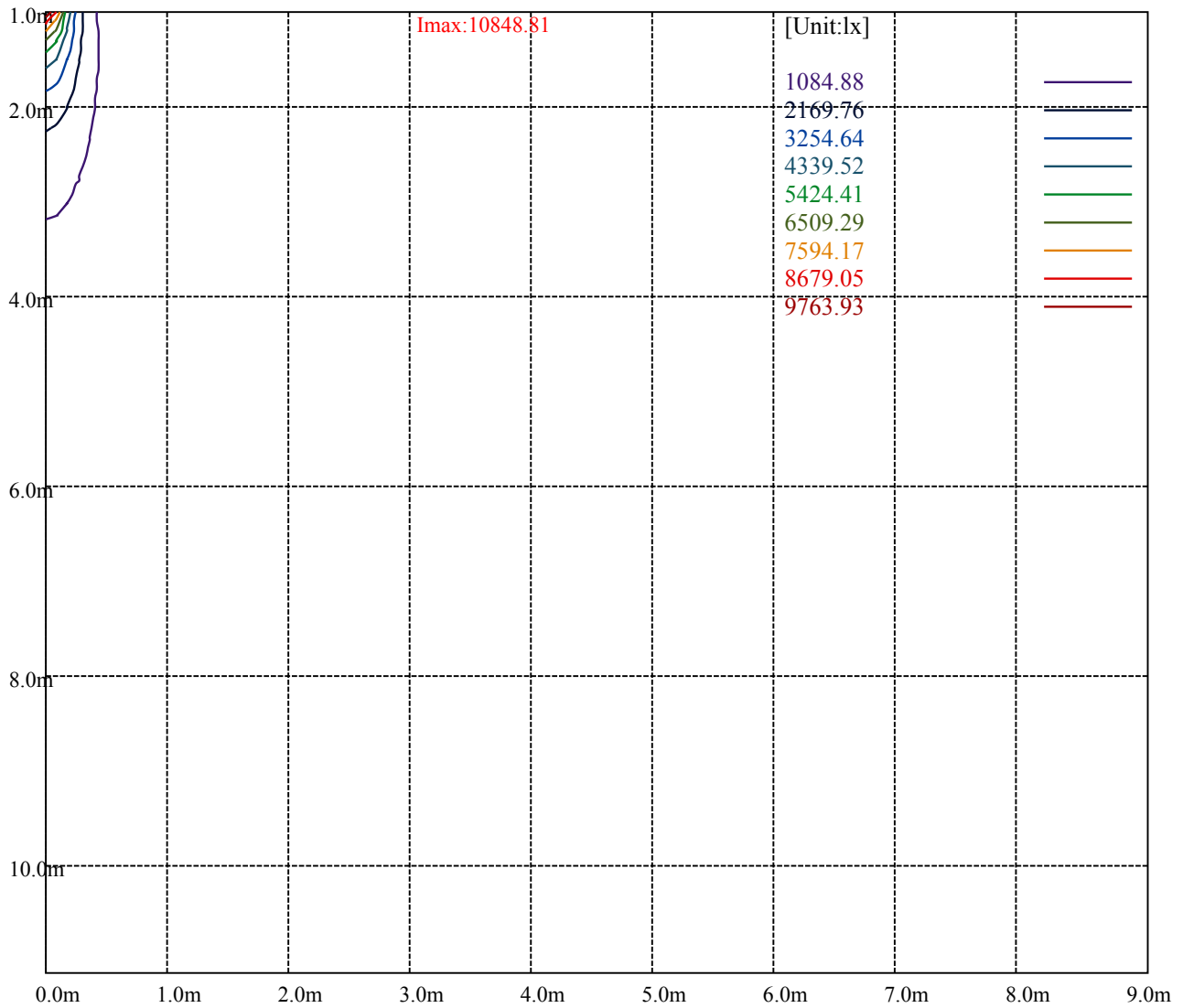
[Unit:cd]

Road

**Imax:10848.81**

(10%Imax) 1084.88	—
(20%Imax) 2169.76	—
(30%Imax) 3254.64	—
(40%Imax) 4339.52	—
(50%Imax) 5424.41	—
(60%Imax) 6509.29	—
(70%Imax) 7594.17	—
(80%Imax) 8679.05	—
(90%Imax) 9763.93	—





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

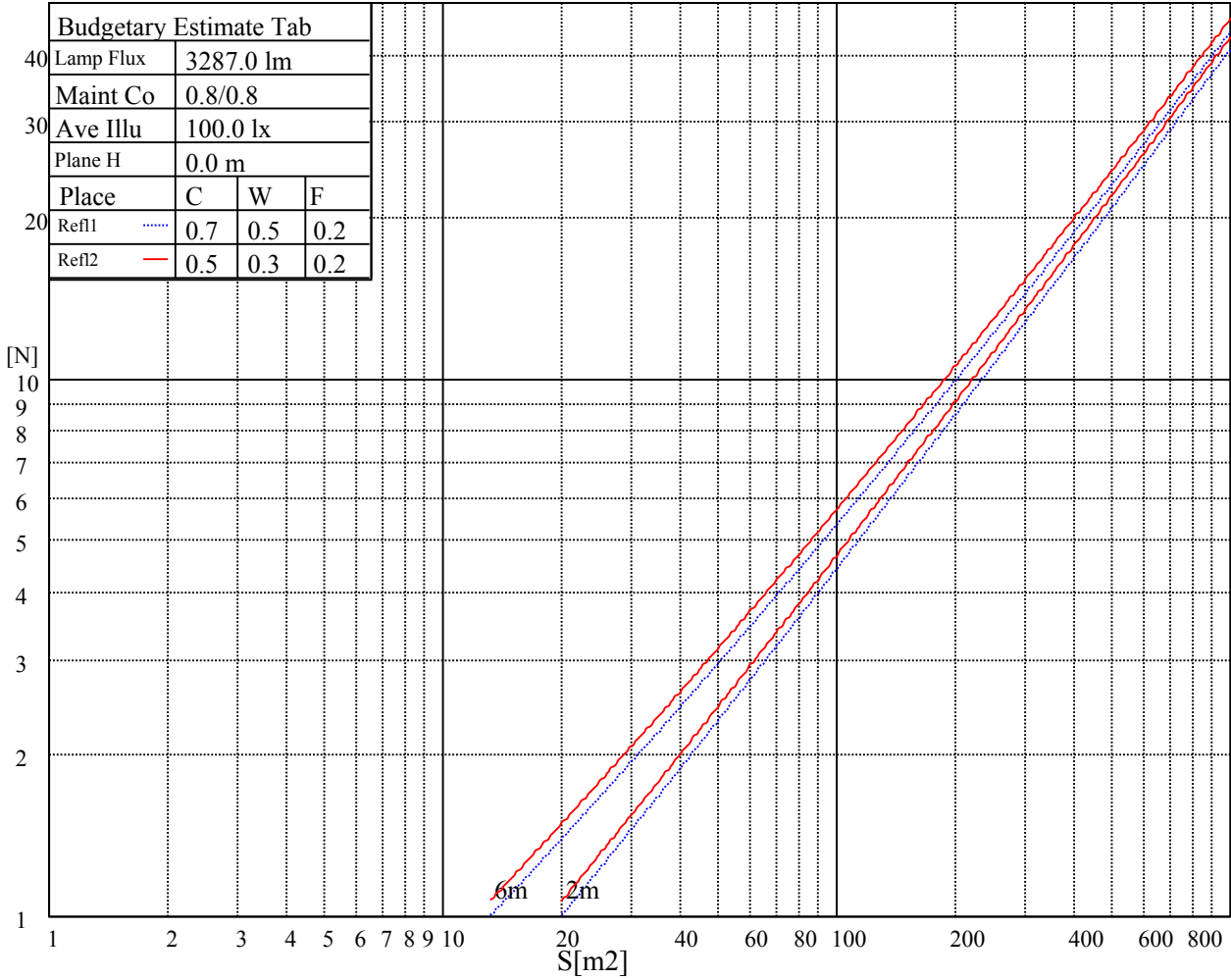
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

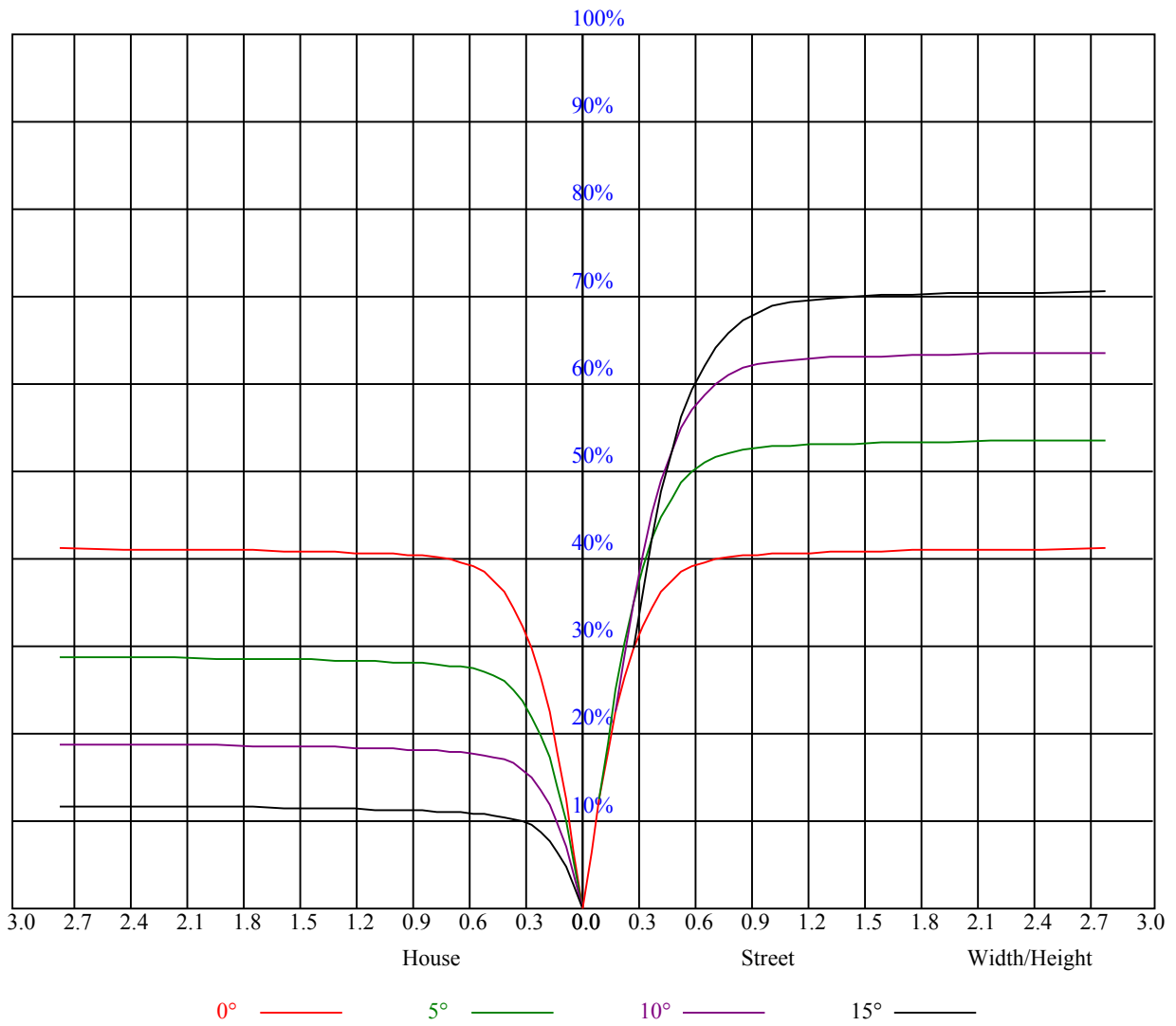


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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

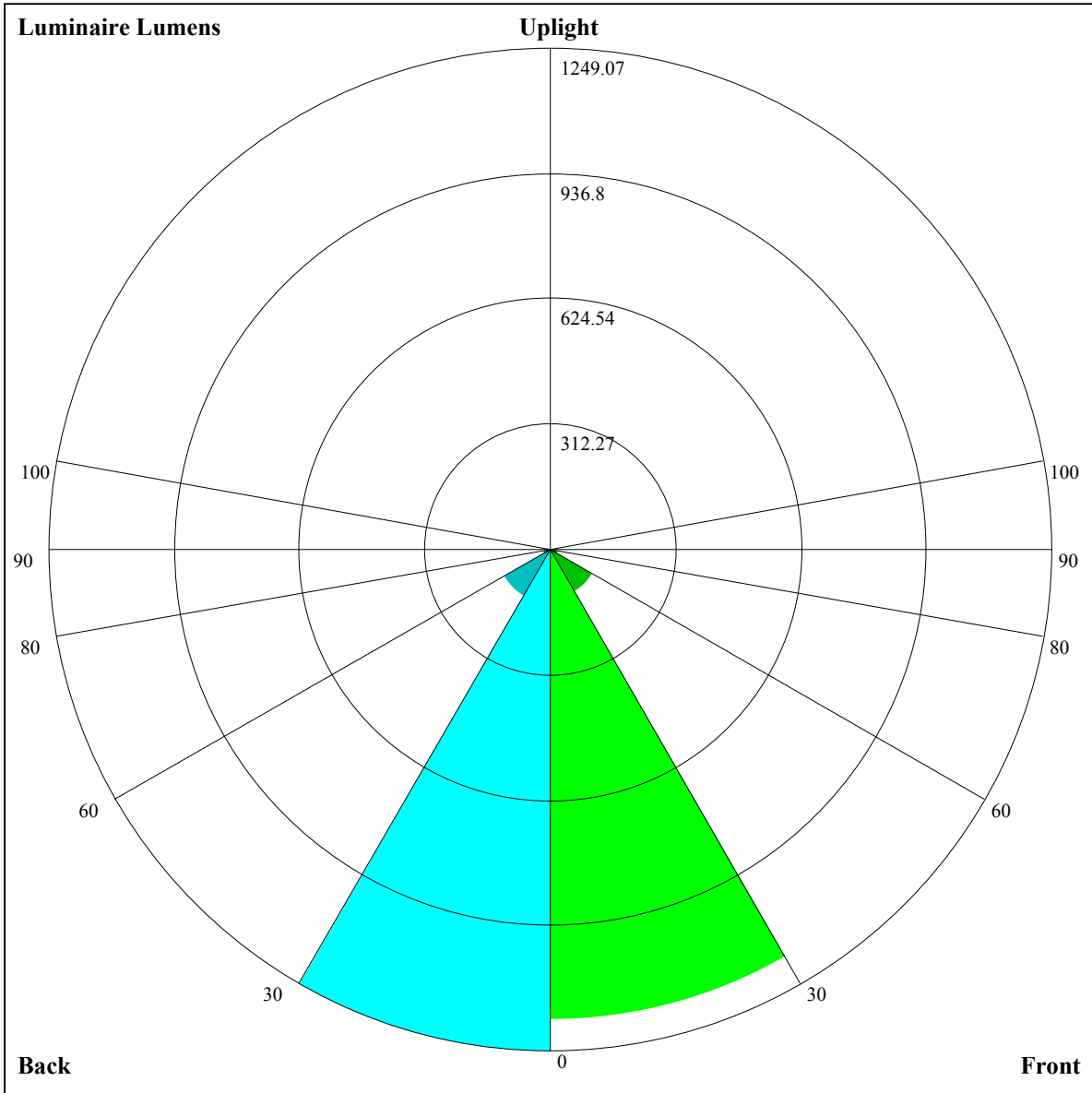
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.84	0.81	0.84	0.81	0.80	0.81	0.79	0.78	0.79	0.78	0.76	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
8	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.57
10	0.62	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.55







Luminaire Lumens:

FL=1173.27,FM=120.51,FH=19.66,FVH=6.84

BL=1249.07,BM=136.25,BH=21.51,BVH=7.12

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	10662.86	10348.01	9916.70	9403.45	8678.95	8100.74	7524.30	6953.12	6249.09
45.0	10919.77	10844.86	10552.25	10184.73	9700.16	8991.46	8400.96	7811.64	7087.72
90.0	10878.81	10609.60	10261.39	9658.03	9092.11	8507.47	7765.99	7182.52	6596.71
135.0	10933.82	10874.12	10676.32	10228.04	9735.86	9174.63	8588.82	7854.36	7265.63
180.0	10662.86	10881.73	10904.56	10765.86	10404.19	9985.17	9469.58	8756.78	8161.61
225.0	10919.77	10850.13	10575.66	10221.01	9751.66	9207.99	8483.48	7878.94	7273.23
270.0	10878.81	10935.57	10846.62	10621.89	10181.22	9699.58	9155.90	8583.55	7825.69
315.0	10933.82	10841.35	10542.30	10180.63	9699.58	9016.62	8440.76	7837.98	7095.91
360.0	10662.86	10348.01	9916.70	9403.45	8678.95	8100.74	7524.30	6953.12	6249.09
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5722.39	5104.98	4646.16	4223.63	3753.69	3421.87	3118.14	2851.27	2564.51
45.0	6521.22	5980.47	5339.07	4869.72	4426.12	4024.07	3574.61	3257.42	2980.02
90.0	6043.09	5396.42	4911.27	4462.98	4066.79	3616.75	3297.22	3012.21	2708.48
135.0	6551.07	5998.03	5484.20	4883.18	4438.40	4039.28	3675.27	3273.81	2994.07
180.0	7550.63	6829.05	6256.70	5703.08	5072.20	4611.05	4183.25	3788.22	3379.15
225.0	6688.01	5976.96	5453.77	4965.11	4405.63	4008.85	3566.42	3246.89	2964.22
270.0	7234.61	6660.50	5970.52	5442.65	4953.99	4401.54	3998.90	3629.62	3242.79
315.0	6518.88	5968.18	5330.87	4856.84	4416.75	3928.09	3576.95	3260.35	2980.02
360.0	5722.39	5104.98	4646.16	4223.63	3753.69	3421.87	3118.14	2851.27	2564.51
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2360.27	2171.24	1990.41	1777.97	1636.35	1507.60	1153.30	1153.30	1050.83
45.0	2735.99	2466.78	2274.24	2046.59	1874.53	1715.94	1550.32	1417.47	1279.95
90.0	2496.63	2302.92	2074.10	1895.02	1700.14	1564.95	1336.13	1161.79	1161.79
135.0	2754.13	2535.84	2289.46	2106.28	1929.55	1763.34	1594.80	1467.80	1291.65
180.0	3093.56	2832.55	2592.02	2326.91	2148.42	1971.10	1759.83	1622.30	1474.24
225.0	2716.67	2442.20	2248.49	2067.66	1893.85	1696.63	1567.88	1343.74	1165.53
270.0	2967.73	2713.16	2438.11	2236.79	2048.93	1878.63	1684.92	1549.73	1422.16
315.0	2668.68	2446.30	2247.91	2062.39	1842.35	1685.51	1555.00	1138.61	1138.61
360.0	2360.27	2171.24	1990.41	1777.97	1636.35	1507.60	1153.30	1153.30	1050.83
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	884.33	761.85	643.92	506.45	405.33	313.21	234.97	171.47	148.65
45.0	1133.05	963.34	836.35	713.45	598.74	467.07	369.34	303.21	303.21
90.0	983.76	851.91	727.14	610.92	476.26	378.06	289.34	205.71	166.09
135.0	1145.93	1003.72	837.52	715.79	601.08	494.57	375.19	310.81	310.81
180.0	1340.81	1198.01	1056.97	887.84	759.10	638.54	502.18	405.62	319.59
225.0	1130.07	990.79	826.10	700.10	583.00	451.21	358.57	278.10	212.50
270.0	1282.29	1103.21	962.17	828.74	672.48	553.10	420.25	328.95	308.47
315.0	1069.21	934.19	807.84	685.30	542.15	436.81	342.12	261.65	189.61
360.0	884.33	761.85	643.92	506.45	405.33	313.21	234.97	171.47	148.65
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	132.03	117.75	102.53	92.17	82.75	72.80	65.95	58.64	53.49
45.0	161.46	143.15	127.29	110.90	99.55	87.43	78.95	71.57	64.84
90.0	143.97	128.69	115.58	101.54	91.59	82.98	75.38	68.47	60.92
135.0	172.29	147.54	131.62	118.16	103.88	93.99	85.27	75.73	68.88
180.0	299.11	212.85	150.64	135.13	121.26	106.92	96.62	87.43	77.66
225.0	165.44	147.07	131.79	115.41	104.11	93.93	84.92	75.08	68.06
270.0	308.47	158.54	142.15	127.29	114.53	100.37	90.24	81.29	73.33
315.0	160.00	142.39	127.34	111.31	99.96	87.20	78.60	70.93	62.56
360.0	132.03	117.75	102.53	92.17	82.75	72.80	65.95	58.64	53.49

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	48.98	45.00	40.79	38.04	35.64	33.65	31.54	30.14	28.91
45.0	58.11	53.14	48.69	44.83	40.85	38.27	36.05	33.77	32.13
90.0	55.77	51.15	47.17	42.90	39.97	36.99	34.94	33.18	31.43
135.0	61.68	56.59	51.91	47.99	43.42	40.32	37.92	35.93	33.65
180.0	70.70	64.61	57.94	53.20	49.04	45.41	41.55	38.86	36.58
225.0	61.98	55.42	50.80	45.82	42.43	39.50	36.99	34.24	32.48
270.0	64.73	58.87	52.49	48.05	44.18	40.15	37.34	35.00	32.89
315.0	56.94	51.97	46.64	43.01	39.91	37.28	34.41	32.48	30.84
360.0	48.98	45.00	40.79	38.04	35.64	33.65	31.54	30.14	28.91
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.62	26.80	26.04	25.46	24.99	24.87	24.58	24.29	23.88
45.0	30.84	29.38	28.44	27.45	26.86	26.39	26.16	25.98	25.57
90.0	30.14	29.14	28.03	27.33	26.80	26.63	26.45	26.10	25.57
135.0	32.25	30.90	29.55	28.68	27.97	27.33	27.10	26.80	26.28
180.0	34.12	32.48	31.02	29.55	28.56	27.68	26.86	26.39	26.28
225.0	30.96	29.55	28.27	27.39	26.63	25.98	25.63	25.46	25.05
270.0	30.78	29.38	28.09	27.15	26.10	25.46	24.99	24.81	24.70
315.0	29.50	28.03	27.04	26.22	25.40	24.99	24.81	24.64	24.35
360.0	27.62	26.80	26.04	25.46	24.99	24.87	24.58	24.29	23.88
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.65	21.59	20.60	19.55	18.79	17.91	17.32	16.91	16.50
45.0	25.16	24.29	22.94	21.83	20.66	19.72	19.61	19.78	19.08
90.0	24.76	23.17	22.06	20.89	19.72	18.96	18.38	18.43	18.20
135.0	25.81	24.81	23.53	22.24	21.01	19.96	19.14	18.32	17.85
180.0	25.98	25.46	24.99	23.88	22.47	21.71	21.36	21.59	21.83
225.0	24.76	24.05	22.71	21.89	21.36	21.48	21.48	22.18	23.23
270.0	24.40	23.99	23.12	21.77	20.95	19.90	19.49	19.31	19.25
315.0	24.05	23.12	21.95	21.01	19.96	18.90	18.20	17.56	17.09
360.0	22.65	21.59	20.60	19.55	18.79	17.91	17.32	16.91	16.50
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.15	15.86	15.45	15.10	14.75	14.46	14.22	13.93	13.28
45.0	18.73	18.43	17.50	16.97	16.27	15.63	14.86	14.46	14.10
90.0	17.79	17.44	16.91	16.39	15.74	15.16	14.63	14.28	13.93
135.0	17.44	16.97	16.68	16.27	15.92	15.63	15.27	14.75	14.34
180.0	22.71	23.64	23.06	22.47	22.65	22.18	21.89	21.01	19.08
225.0	23.64	23.41	23.23	22.71	21.71	21.24	20.01	18.90	17.85
270.0	19.43	19.78	19.78	19.72	19.31	18.73	18.08	17.38	16.21
315.0	16.62	16.27	15.92	15.57	15.27	14.92	14.57	14.22	13.87
360.0	16.15	15.86	15.45	15.10	14.75	14.46	14.22	13.93	13.28
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.99	12.76	12.52	12.29	12.00	11.76	11.70	11.53	11.59
45.0	13.58	13.17	12.87	12.64	12.41	12.00	11.82	11.76	11.47
90.0	13.52	13.11	12.82	12.47	12.17	11.88	11.70	11.70	11.65
135.0	14.05	13.64	13.28	12.99	12.58	12.17	11.94	11.76	11.53
180.0	18.20	16.15	13.81	13.34	13.05	12.76	12.35	11.94	11.65
225.0	15.10	13.75	13.23	12.82	12.64	12.35	11.94	11.65	11.65
270.0	15.22	14.34	13.58	13.11	12.70	12.47	12.17	11.82	11.76
315.0	13.52	13.23	12.99	12.70	12.52	12.23	11.88	11.76	11.65
360.0	12.99	12.76	12.52	12.29	12.00	11.76	11.70	11.53	11.59

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	11.53
45.0	11.65
90.0	11.59
135.0	11.76
180.0	11.53
225.0	11.41
270.0	11.47
315.0	11.53
360.0	11.53