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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024305-B021

Ballast type: AC

Test No: 2024305-C021

Voltage(V): 34.230

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.532

Lamp flux(lm): 3287.0

Power (W): 18.210

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2734.81, Efficiency(%): 83.20% , Luminous Efficacy(lm/W): 150.18

Central intensity(cd): 10778.290, Maximum intensity(cd): 10778.290

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=22.4

[C90/270]Total=22.4

Field angle(10%Imax): [C0/180]Total=54.8

[C90/270]Total=54.8

Maximum s/h(1/2): C0_180=0.38 C90_270=0.38

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 83.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.109%

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	10778.294	0.000	0	0.00%	0.00%
1.0	10690.437	10.272	10.272	0.31%	0.38%
2.0	10427.744	30.311	40.583	0.92%	1.48%
3.0	10039.886	48.952	89.535	1.49%	3.27%
4.0	9537.178	65.531	155.066	1.99%	5.67%
5.0	8984.579	79.680	234.745	2.42%	8.58%
6.0	8409.303	91.409	326.155	2.78%	11.93%
7.0	7803.888	100.635	426.79	3.06%	15.61%
8.0	7195.912	107.351	534.141	3.27%	19.53%
9.0	6645.362	112.176	646.317	3.41%	23.63%
10.0	6028.022	114.689	761.006	3.49%	27.83%
11.0	5498.613	115.175	876.181	3.50%	32.04%
12.0	4968.472	114.420	990.601	3.48%	36.22%
13.0	4467.300	111.979	1102.58	3.41%	40.32%
14.0	4038.257	108.870	1211.45	3.31%	44.30%
15.0	3656.544	105.638	1317.088	3.21%	48.16%
16.0	3313.895	102.136	1419.224	3.11%	51.89%
17.0	3019.673	98.631	1517.855	3.00%	55.50%
18.0	2744.544	95.039	1612.895	2.89%	58.98%
19.0	2511.698	91.448	1704.342	2.78%	62.32%
20.0	2291.873	87.919	1792.261	2.67%	65.54%
21.0	2078.705	83.924	1876.185	2.55%	68.60%
22.0	1898.163	79.917	1956.102	2.43%	71.53%
23.0	1739.932	76.337	2032.439	2.32%	74.32%
24.0	1555.243	72.044	2104.483	2.19%	76.95%
25.0	1374.847	66.624	2171.107	2.03%	79.39%
26.0	1250.816	61.979	2233.086	1.89%	81.65%
27.0	1134.327	58.353	2291.439	1.78%	83.79%
28.0	998.343	53.995	2345.434	1.64%	85.76%
29.0	857.911	48.565	2393.999	1.48%	87.54%
30.0	732.687	42.946	2436.945	1.31%	89.11%
31.0	613.491	37.462	2474.407	1.14%	90.48%
32.0	511.450	32.228	2506.635	0.98%	91.66%
33.0	415.729	27.315	2533.95	0.83%	92.66%
34.0	334.741	22.711	2556.662	0.69%	93.49%
35.0	272.130	18.847	2575.509	0.57%	94.18%
36.0	240.154	16.311	2591.82	0.50%	94.77%
37.0	178.223	13.645	2605.465	0.42%	95.27%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	129.386	10.268	2615.733	0.31%	95.65%
39.0	102.407	7.912	2623.644	0.24%	95.94%
40.0	82.436	6.447	2630.091	0.20%	96.17%
41.0	67.177	5.328	2635.419	0.16%	96.37%
42.0	56.013	4.476	2639.894	0.14%	96.53%
43.0	47.798	3.845	2643.74	0.12%	96.67%
44.0	41.544	3.372	2647.112	0.10%	96.79%
45.0	37.191	3.026	2650.138	0.09%	96.90%
46.0	33.724	2.773	2652.911	0.08%	97.01%
47.0	31.083	2.578	2655.489	0.08%	97.10%
48.0	28.859	2.423	2657.912	0.07%	97.19%
49.0	27.089	2.298	2660.209	0.07%	97.27%
50.0	25.647	2.199	2662.408	0.07%	97.35%
51.0	24.587	2.125	2664.533	0.06%	97.43%
52.0	23.760	2.075	2666.608	0.06%	97.51%
53.0	23.197	2.043	2668.651	0.06%	97.58%
54.0	22.765	2.026	2670.676	0.06%	97.65%
55.0	22.531	2.022	2672.698	0.06%	97.73%
56.0	22.407	2.031	2674.729	0.06%	97.80%
57.0	22.370	2.047	2676.776	0.06%	97.88%
58.0	22.465	2.073	2678.85	0.06%	97.95%
59.0	22.641	2.109	2680.958	0.06%	98.03%
60.0	22.816	2.148	2683.106	0.07%	98.11%
61.0	22.853	2.179	2685.285	0.07%	98.19%
62.0	22.634	2.192	2687.477	0.07%	98.27%
63.0	22.085	2.175	2689.652	0.07%	98.35%
64.0	21.317	2.130	2691.782	0.06%	98.43%
65.0	20.454	2.067	2693.849	0.06%	98.50%
66.0	19.510	1.994	2695.843	0.06%	98.58%
67.0	18.632	1.918	2697.761	0.06%	98.65%
68.0	17.988	1.855	2699.616	0.06%	98.71%
69.0	17.703	1.821	2701.437	0.06%	98.78%
70.0	17.688	1.818	2703.254	0.06%	98.85%
71.0	17.762	1.832	2705.087	0.06%	98.91%
72.0	17.805	1.849	2706.936	0.06%	98.98%
73.0	17.820	1.863	2708.799	0.06%	99.05%
74.0	17.513	1.858	2710.656	0.06%	99.12%
75.0	17.191	1.834	2712.49	0.06%	99.18%

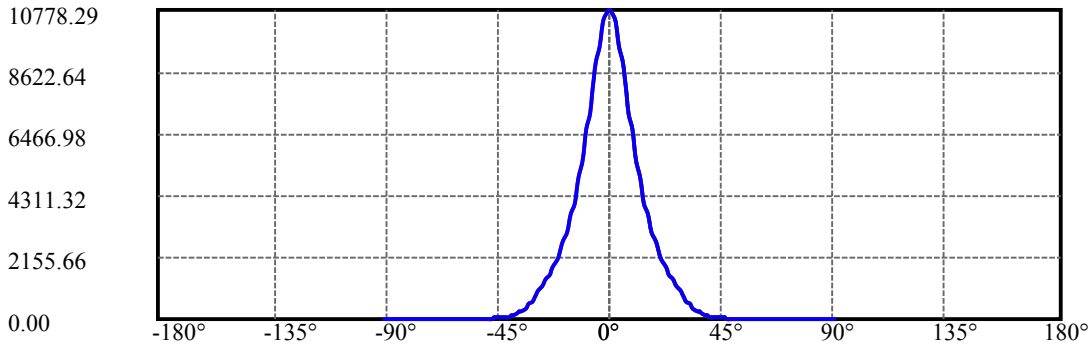
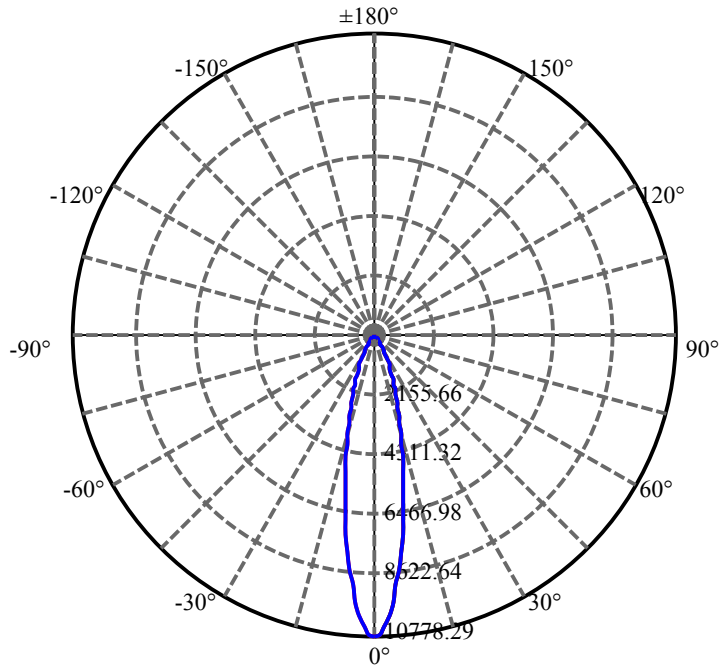
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.825	1.806	2714.296	0.05%	99.25%
77.0	16.445	1.774	2716.07	0.05%	99.31%
78.0	16.028	1.738	2717.808	0.05%	99.38%
79.0	15.479	1.693	2719.501	0.05%	99.44%
80.0	14.835	1.634	2721.135	0.05%	99.50%
81.0	14.075	1.563	2722.698	0.05%	99.56%
82.0	13.365	1.488	2724.186	0.05%	99.61%
83.0	12.794	1.422	2725.609	0.04%	99.66%
84.0	12.516	1.379	2726.987	0.04%	99.71%
85.0	12.275	1.353	2728.341	0.04%	99.76%
86.0	12.056	1.330	2729.67	0.04%	99.81%
87.0	11.843	1.308	2730.978	0.04%	99.86%
88.0	11.690	1.289	2732.268	0.04%	99.91%
89.0	11.587	1.276	2733.543	0.04%	99.95%
90.0	11.507	1.266	2734.81	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2436.94	74.14%	89.11%
0-40	2630.09	80.01%	96.17%
0-60	2683.11	81.63%	98.11%
0-90	2733.54	83.16%	99.95%
0-120	2733.54	83.16%	99.95%
0-180	2734.81	83.20%	100.00%
60-90	50.44	1.53%	1.84%
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%
0-25.27	2187.85	66.56%	80.00%

ZONAL LUMEN SUMMARY

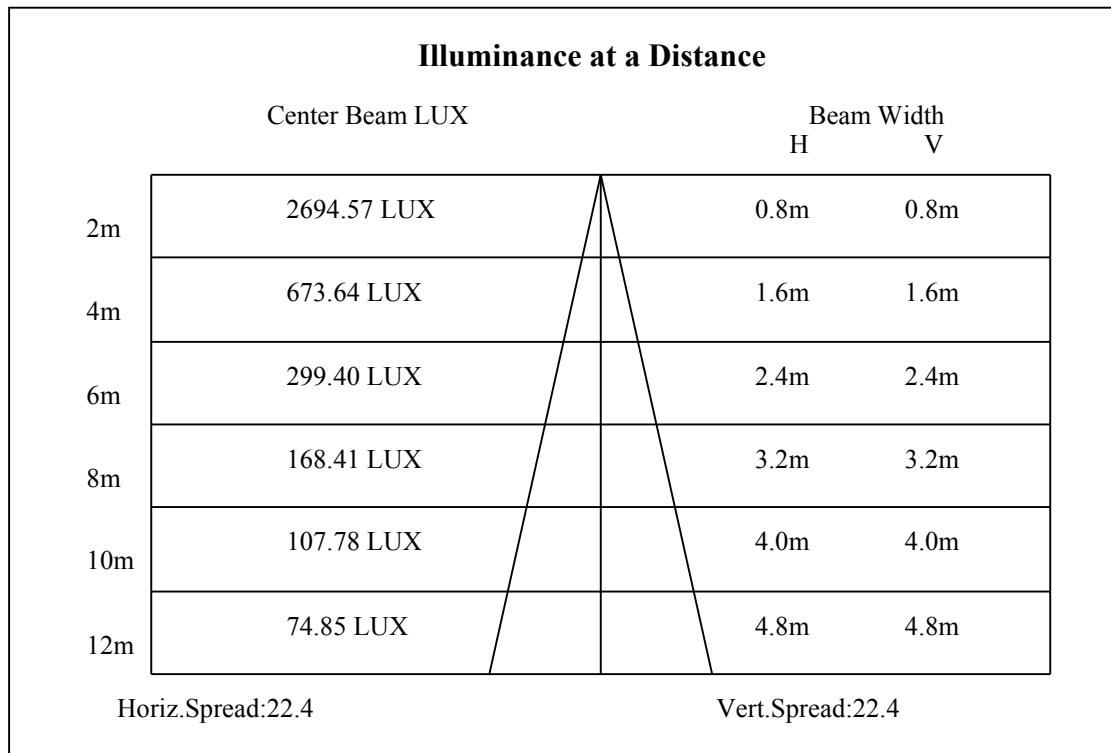
0-10	761.01
10-20	1031.26
20-30	644.68
30-40	193.15
40-50	32.32
50-60	20.70
60-70	20.15
70-80	17.88
80-90	12.41
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

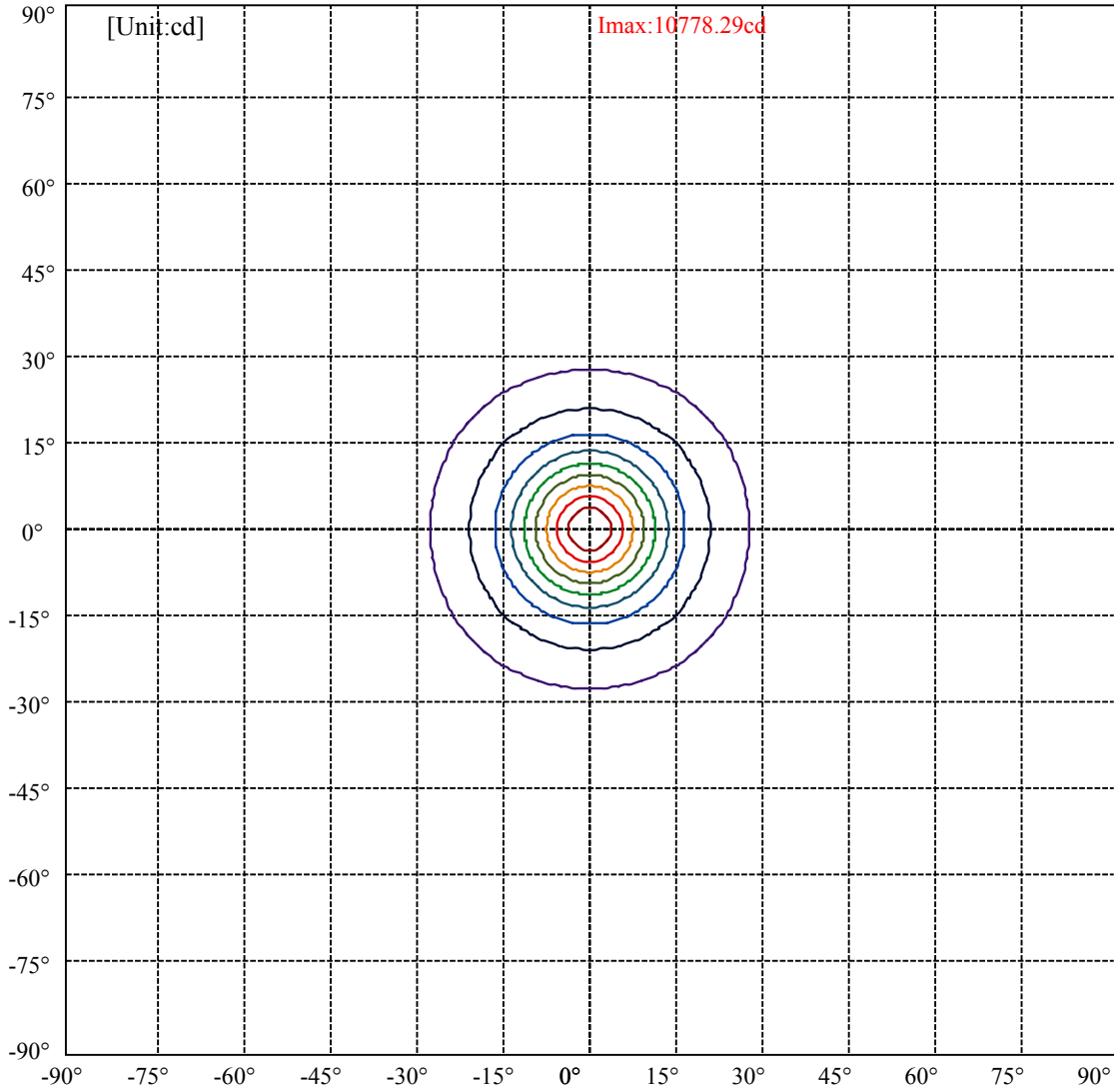


C0(Max): —————
C0/C180: —————
C90/C270: —————

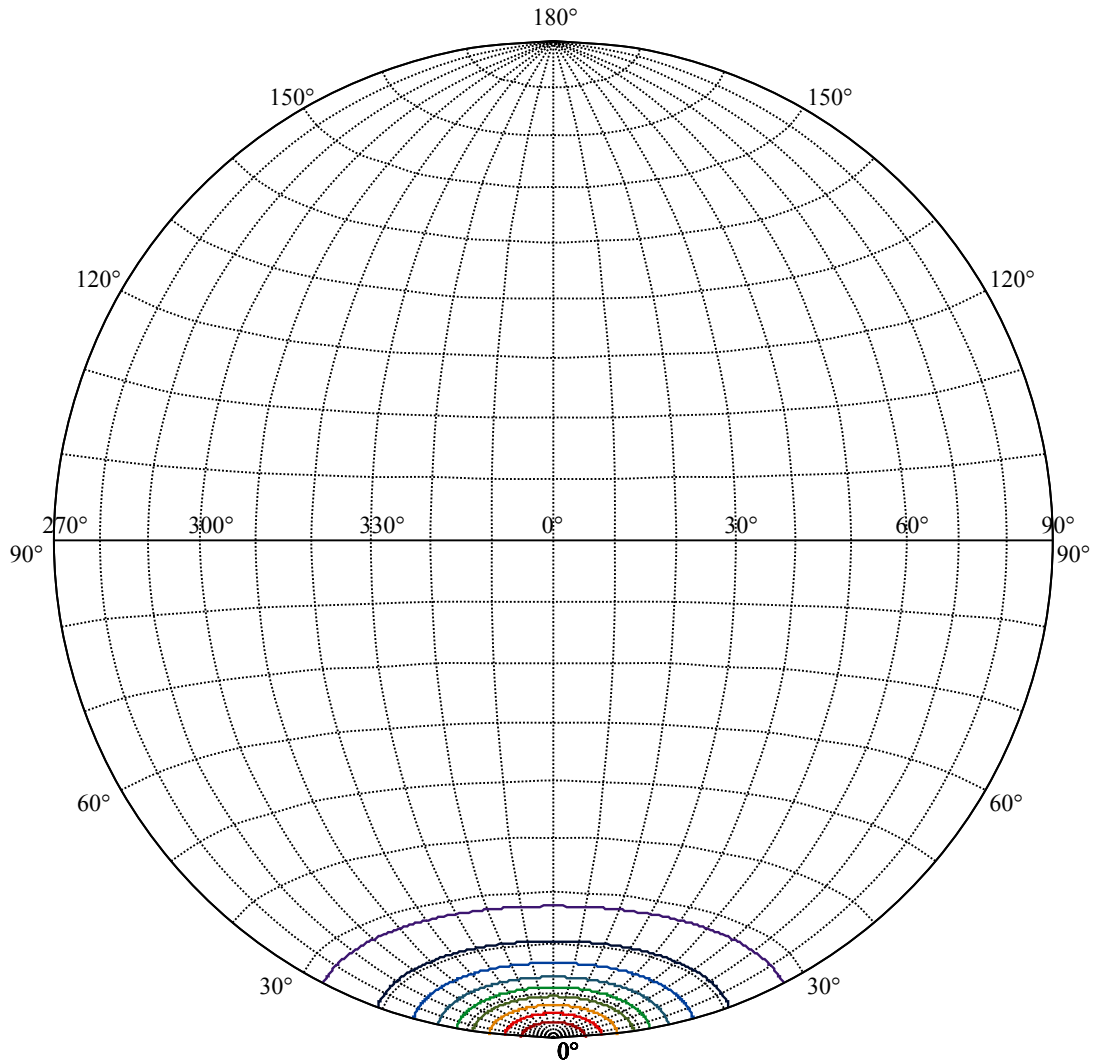
Field angle(10%Imax):C0/180Left:27.4 Right:27.4
:C90/270Left:27.4 Right:27.4

Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2
:C90/270Left:11.2 Right:11.2





(10%Imax) 1077.83	—
(20%Imax) 2155.66	—
(30%Imax) 3233.49	—
(40%Imax) 4311.32	—
(50%Imax) 5389.15	—
(60%Imax) 6466.98	—
(70%Imax) 7544.81	—
(80%Imax) 8622.64	—
(90%Imax) 9700.47	—



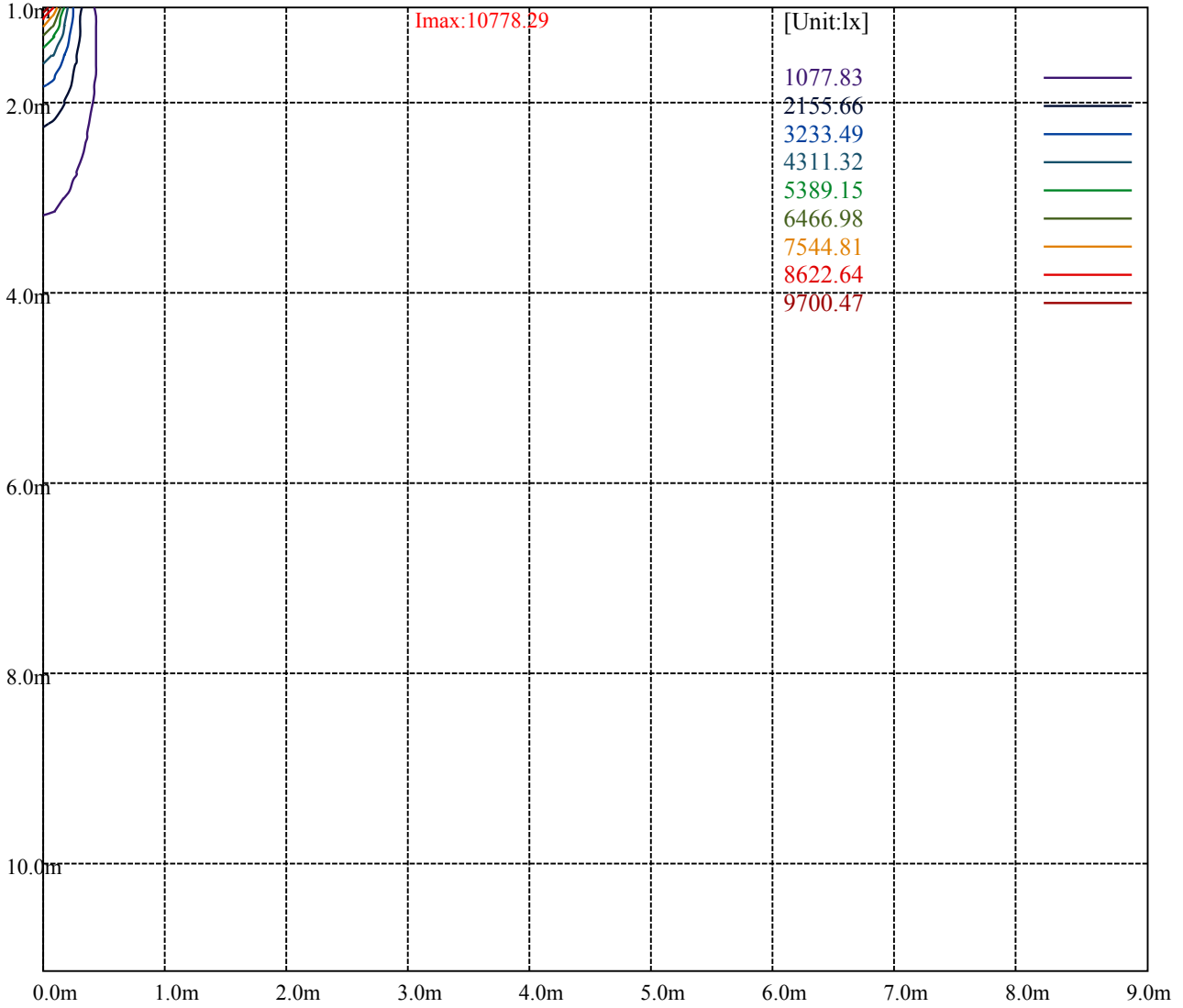
House

[Unit:cd]

Road

Imax:10778.29

(10%Imax)	1077.83	—
(20%Imax)	2155.66	—
(30%Imax)	3233.49	—
(40%Imax)	4311.32	—
(50%Imax)	5389.15	—
(60%Imax)	6466.98	—
(70%Imax)	7544.81	—
(80%Imax)	8622.64	—
(90%Imax)	9700.47	—



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

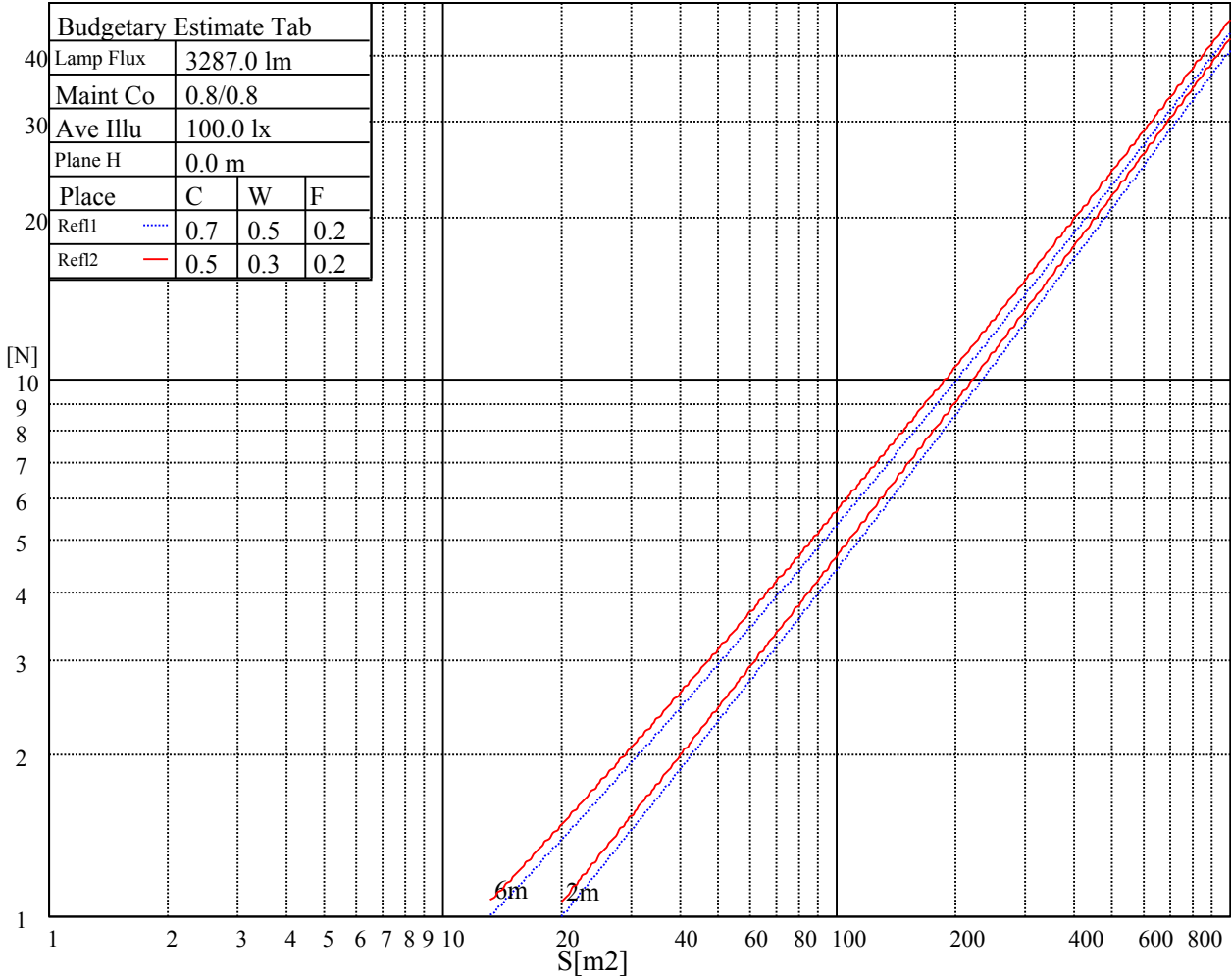
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

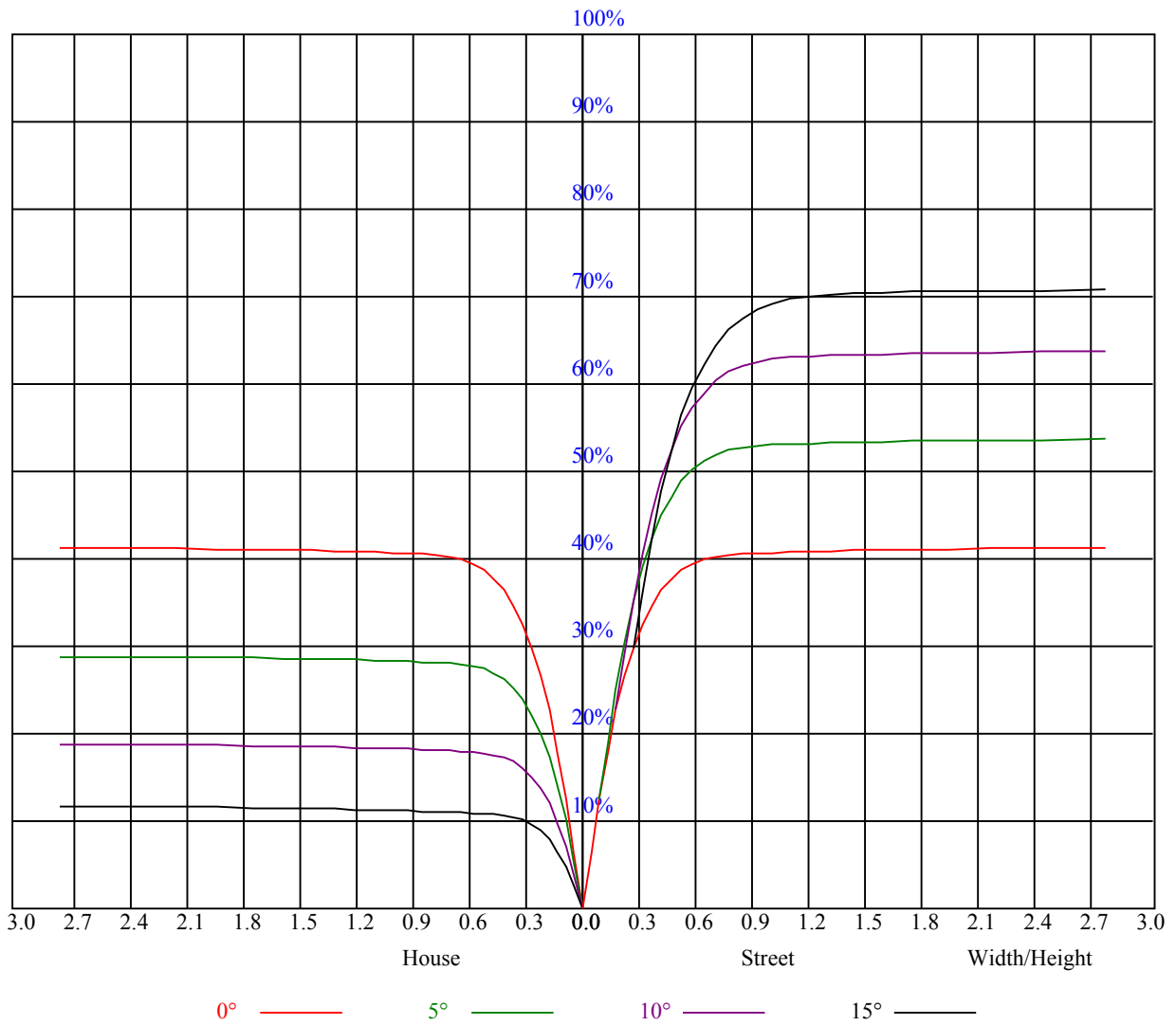


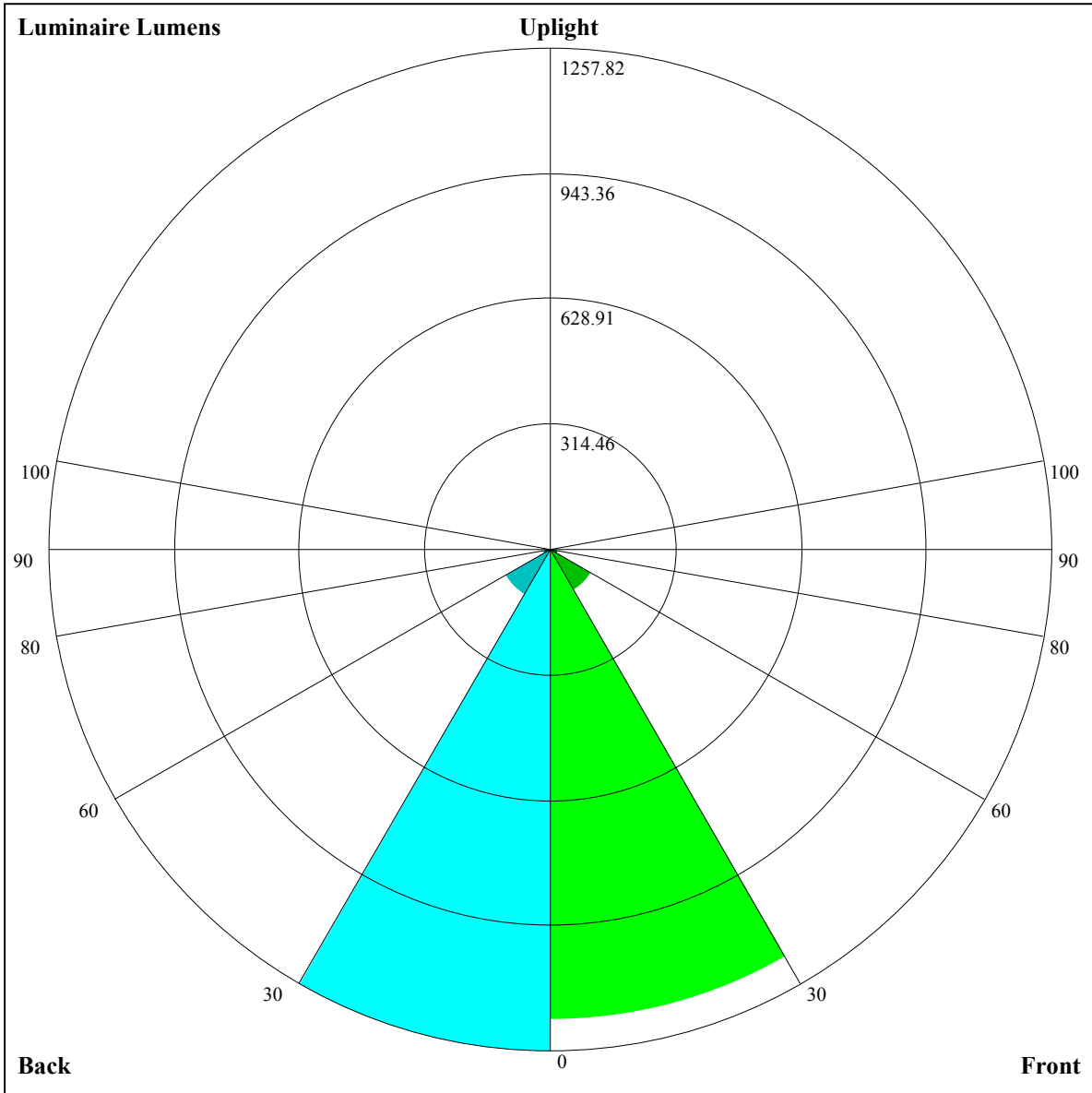
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.77	0.75
3	0.83	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.76	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.65	0.64
7	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1178.21,FM=116.83,FH=18.09,FVH=6.72

BL=1257.82,BM=131.82,BH=19.77,BVH=6.98

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	10658.18	10253.79	9796.14	9295.77	8616.91	8058.02	7511.42	6813.83	6261.97
45.0	10845.45	10758.83	10500.75	10001.55	9497.09	8952.25	8261.09	7720.93	7049.68
90.0	10751.81	10491.97	10016.18	9532.20	9001.99	8330.74	7781.80	7219.39	6656.99
135.0	10857.74	10781.07	10552.25	10082.90	9584.29	9045.30	8481.72	7782.38	7242.22
180.0	10658.18	10823.79	10832.57	10676.90	10295.34	9865.20	9366.00	8828.76	8111.28
225.0	10845.45	10777.56	10492.56	10125.62	9658.03	9140.69	8452.46	7877.19	7315.37
270.0	10751.81	10860.08	10767.03	10525.92	10054.22	9564.39	9048.22	8513.91	7809.89
315.0	10857.74	10776.39	10464.47	10078.22	9589.56	8920.06	8371.70	7674.70	7119.91
360.0	10658.18	10253.79	9796.14	9295.77	8616.91	8058.02	7511.42	6813.83	6261.97
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5740.53	5122.53	4668.40	4246.45	3768.91	3434.16	3140.38	2882.88	2648.20
45.0	6510.10	5977.55	5466.06	4868.55	4425.53	4020.55	3648.35	3251.57	2985.88
90.0	6108.05	5442.65	4953.99	4506.29	4003.58	3638.99	3316.53	2975.93	2736.57
135.0	6696.79	6157.21	5511.12	5031.24	4472.93	4066.20	3689.32	3358.08	3015.72
180.0	7534.25	6849.53	6300.59	5759.26	5117.27	4650.26	4216.02	3816.90	3404.31
225.0	6759.99	6076.45	5547.99	4936.43	4489.32	3986.03	3614.99	3293.12	3018.06
270.0	7242.80	6693.86	6140.24	5478.35	4983.25	4534.97	4019.97	3644.84	3329.40
315.0	6570.38	5904.39	5400.51	4921.22	4477.61	3974.91	3606.80	3287.85	3019.23
360.0	5740.53	5122.53	4668.40	4246.45	3768.91	3434.16	3140.38	2882.88	2648.20
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2377.24	2177.10	2001.53	1801.97	1652.73	1470.73	1161.32	1161.32	1027.30
45.0	2746.52	2523.55	2271.90	2090.48	1890.92	1741.69	1595.97	1419.23	1282.87
90.0	2516.53	2266.05	2081.70	1916.09	1726.47	1581.92	1443.22	1139.37	1139.37
135.0	2781.63	2557.49	2301.16	2115.65	1950.61	1794.36	1611.18	1468.97	1330.27
180.0	3118.14	2862.98	2628.30	2347.98	2156.61	1989.82	1797.28	1644.54	1503.50
225.0	2713.75	2484.34	2274.24	2086.97	1880.39	1730.57	1586.60	1447.91	1148.56
270.0	2992.90	2744.18	2511.26	2240.30	2064.15	1902.04	1717.69	1567.88	1425.08
315.0	2709.65	2477.90	2264.88	2030.20	1863.41	1708.33	1528.67	1149.56	1149.56
360.0	2377.24	2177.10	2001.53	1801.97	1652.73	1470.73	1161.32	1161.32	1027.30
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	892.06	766.12	654.93	533.14	442.66	362.96	294.78	237.78	180.83
45.0	1147.68	1013.08	851.56	732.17	625.66	529.10	417.91	341.83	307.89
90.0	1005.88	877.78	756.17	647.79	524.65	434.12	337.56	273.77	220.40
135.0	1162.32	1030.05	867.95	745.64	637.37	537.88	425.52	347.68	297.35
180.0	1342.56	1208.55	1072.78	913.01	783.09	665.46	563.04	447.17	365.82
225.0	1148.56	985.75	856.77	734.93	597.51	498.79	409.60	332.93	253.87
270.0	1292.82	1154.71	980.90	851.56	724.57	585.87	485.21	376.94	304.96
315.0	1082.72	950.70	822.24	703.26	572.41	477.43	392.22	319.83	245.91
360.0	892.06	766.12	654.93	533.14	442.66	362.96	294.78	237.78	180.83
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	145.55	111.66	90.59	74.62	58.93	49.86	43.72	38.27	34.88
45.0	307.89	164.04	131.03	100.13	81.87	67.94	54.60	46.64	41.08
90.0	167.96	134.95	109.20	85.15	70.05	58.52	49.80	42.55	38.45
135.0	297.35	164.57	130.27	103.82	83.51	65.95	55.95	48.34	41.26
180.0	296.77	296.77	177.44	142.21	114.53	88.02	72.22	60.57	49.74
225.0	203.01	162.34	129.69	98.73	80.06	66.36	56.30	47.05	41.67
270.0	304.96	232.92	146.19	117.40	94.98	77.78	61.57	52.14	45.06
315.0	197.75	158.54	120.67	97.21	75.55	62.97	53.96	46.82	40.20
360.0	145.55	111.66	90.59	74.62	58.93	49.86	43.72	38.27	34.88

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	32.13	29.90	27.56	26.22	24.99	23.99	23.35	22.94	22.71
45.0	36.46	33.53	31.08	29.09	26.98	25.63	24.70	24.05	23.47
90.0	35.11	32.42	29.67	27.86	26.39	24.99	24.17	23.53	23.12
135.0	37.22	33.36	30.84	28.73	26.63	25.28	24.29	23.58	23.00
180.0	43.48	38.04	34.76	32.07	29.90	27.68	26.28	25.11	24.23
225.0	36.81	33.83	31.31	28.85	27.27	25.98	24.93	23.94	23.41
270.0	40.09	35.52	32.71	29.85	27.97	26.39	24.81	23.82	23.12
315.0	36.23	33.18	30.72	28.21	26.57	25.22	24.17	23.12	22.53
360.0	32.13	29.90	27.56	26.22	24.99	23.99	23.35	22.94	22.71
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	22.36	22.36	22.36	22.47	22.77	22.94	22.94	22.59	22.00
45.0	23.12	22.82	22.77	22.71	22.82	22.94	23.17	23.17	22.71
90.0	22.88	22.71	22.65	22.65	22.88	23.17	23.17	22.82	22.30
135.0	22.65	22.47	22.41	22.36	22.41	22.65	22.88	23.00	22.82
180.0	23.41	23.06	22.77	22.59	22.59	22.65	22.88	23.12	23.29
225.0	23.06	22.77	22.59	22.59	22.65	22.82	23.06	23.23	23.06
270.0	22.53	22.18	21.95	21.89	21.83	21.95	22.18	22.41	22.71
315.0	22.12	21.89	21.77	21.71	21.77	22.00	22.24	22.47	22.18
360.0	22.36	22.36	22.36	22.47	22.77	22.94	22.94	22.59	22.00
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.89	19.90	19.02	18.08	17.09	16.50	16.21	15.74	15.51
45.0	22.18	21.42	20.42	19.37	18.49	17.79	17.79	18.26	17.85
90.0	21.42	20.37	19.49	18.38	17.50	16.80	16.62	16.68	16.62
135.0	22.12	21.36	20.37	19.31	18.43	17.56	16.91	16.33	16.04
180.0	23.29	22.77	22.24	21.42	20.25	19.72	19.66	19.90	20.37
225.0	22.59	21.83	20.89	20.13	19.84	19.96	20.07	20.89	22.18
270.0	22.47	21.95	21.24	20.31	19.25	18.55	17.91	17.73	17.91
315.0	21.71	20.95	19.96	19.08	18.20	17.03	16.44	15.98	15.63
360.0	20.89	19.90	19.02	18.08	17.09	16.50	16.21	15.74	15.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.27	14.98	14.69	14.46	14.16	13.93	13.69	13.46	12.99
45.0	17.44	17.26	16.39	15.98	15.33	14.81	14.28	13.81	13.52
90.0	16.39	16.09	15.74	15.33	14.75	14.28	13.87	13.52	13.28
135.0	15.74	15.57	15.33	15.04	14.81	14.51	14.28	13.93	13.64
180.0	21.54	22.59	22.12	21.71	21.95	21.59	21.36	20.42	18.55
225.0	22.65	22.47	22.36	21.89	20.95	20.60	19.43	18.49	17.56
270.0	18.08	18.55	18.61	18.55	18.26	17.73	17.50	16.56	15.80
315.0	15.33	15.04	14.86	14.57	14.40	14.10	13.81	13.64	13.34
360.0	15.27	14.98	14.69	14.46	14.16	13.93	13.69	13.46	12.99
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.76	12.58	12.35	12.17	11.94	11.76	11.65	11.47	11.53
45.0	13.17	12.82	12.52	12.35	12.17	11.88	11.70	11.65	11.47
90.0	12.99	12.64	12.41	12.17	11.94	11.76	11.70	11.70	11.47
135.0	13.40	13.05	12.82	12.58	12.29	12.00	11.82	11.70	11.59
180.0	17.73	15.68	13.40	13.05	12.70	12.52	12.17	11.88	11.70
225.0	14.81	13.46	12.99	12.58	12.47	12.17	11.88	11.65	11.70
270.0	14.63	13.87	13.23	12.76	12.47	12.29	11.94	11.76	11.65
315.0	13.11	12.82	12.64	12.47	12.23	12.06	11.88	11.70	11.59
360.0	12.76	12.58	12.35	12.17	11.94	11.76	11.65	11.47	11.53

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.53
45.0	11.53
90.0	11.47
135.0	11.53
180.0	11.59
225.0	11.41
270.0	11.47
315.0	11.53
360.0	11.53