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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.412.00

Report No: 2024308-B007

Ballast type: AC

Test No: 2024308-C007

Voltage(V): 34.300

LampCAT: TRIDONIC SLE G7 15MM

Current(A): 0.530

Lamp flux(lm): 3273.0

Power (W): 18.179

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2798.40, Efficiency(%): 85.50% , Luminous Efficacy(lm/W): 153.94

Central intensity(cd): 9592.189, Maximum intensity(cd): 9592.189

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.4

[C90/270]Total=24.4

Field angle(10%Imax): [C0/180]Total=59.2

[C90/270]Total=59.2

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.46 C90_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.50%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.000%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
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	9592.189	0.000	0	0.00%	0.00%
1.0	9545.590	9.157	9.157	0.28%	0.33%
2.0	9435.056	27.243	36.4	0.83%	1.30%
3.0	9237.250	44.658	81.058	1.36%	2.90%
4.0	8939.882	60.845	141.903	1.86%	5.07%
5.0	8544.856	75.218	217.121	2.30%	7.76%
6.0	8076.456	87.349	304.47	2.67%	10.88%
7.0	7545.291	96.964	401.434	2.96%	14.35%
8.0	7021.295	104.250	505.685	3.19%	18.07%
9.0	6449.311	109.172	614.857	3.34%	21.97%
10.0	5912.806	111.873	726.729	3.42%	25.97%
11.0	5387.347	112.912	839.641	3.45%	30.00%
12.0	4903.586	112.495	952.136	3.44%	34.02%
13.0	4451.426	111.020	1063.156	3.39%	37.99%
14.0	4020.262	108.437	1171.593	3.31%	41.87%
15.0	3661.153	105.454	1277.047	3.22%	45.63%
16.0	3314.919	102.219	1379.266	3.12%	49.29%
17.0	3017.991	98.620	1477.886	3.01%	52.81%
18.0	2747.178	95.055	1572.941	2.90%	56.21%
19.0	2507.309	91.417	1664.359	2.79%	59.48%
20.0	2284.631	87.706	1752.064	2.68%	62.61%
21.0	2089.897	84.000	1836.064	2.57%	65.61%
22.0	1909.428	80.368	1916.432	2.46%	68.48%
23.0	1735.836	76.487	1992.92	2.34%	71.22%
24.0	1558.930	72.035	2064.955	2.20%	73.79%
25.0	1418.585	67.702	2132.657	2.07%	76.21%
26.0	1285.088	63.821	2196.478	1.95%	78.49%
27.0	1190.779	60.573	2257.051	1.85%	80.66%
28.0	1101.796	58.043	2315.094	1.77%	82.73%
29.0	1016.865	55.430	2370.524	1.69%	84.71%
30.0	920.932	52.320	2422.844	1.60%	86.58%
31.0	804.443	48.015	2470.859	1.47%	88.30%
32.0	683.901	42.639	2513.498	1.30%	89.82%
33.0	557.544	36.573	2550.071	1.12%	91.13%
34.0	436.958	30.097	2580.168	0.92%	92.20%
35.0	332.576	23.899	2604.067	0.73%	93.06%
36.0	259.584	18.854	2622.921	0.58%	93.73%
37.0	178.764	14.296	2637.218	0.44%	94.24%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	152.978	11.073	2648.291	0.34%	94.64%
39.0	99.283	8.610	2656.901	0.26%	94.94%
40.0	88.691	6.556	2663.457	0.20%	95.18%
41.0	81.120	6.047	2669.504	0.18%	95.39%
42.0	74.068	5.638	2675.142	0.17%	95.60%
43.0	68.332	5.275	2680.417	0.16%	95.78%
44.0	62.773	4.948	2685.365	0.15%	95.96%
45.0	58.149	4.647	2690.013	0.14%	96.13%
46.0	54.265	4.396	2694.409	0.13%	96.28%
47.0	50.439	4.164	2698.573	0.13%	96.43%
48.0	47.308	3.951	2702.525	0.12%	96.57%
49.0	44.784	3.782	2706.307	0.12%	96.71%
50.0	42.495	3.639	2709.945	0.11%	96.84%
51.0	40.600	3.516	2713.461	0.11%	96.96%
52.0	39.049	3.418	2716.879	0.10%	97.09%
53.0	37.754	3.341	2720.22	0.10%	97.21%
54.0	36.723	3.283	2723.502	0.10%	97.32%
55.0	35.955	3.244	2726.747	0.10%	97.44%
56.0	35.238	3.217	2729.964	0.10%	97.55%
57.0	34.499	3.189	2733.152	0.10%	97.67%
58.0	33.628	3.150	2736.303	0.10%	97.78%
59.0	32.619	3.097	2739.4	0.09%	97.89%
60.0	31.375	3.023	2742.423	0.09%	98.00%
61.0	30.022	2.930	2745.353	0.09%	98.10%
62.0	28.625	2.826	2748.179	0.09%	98.21%
63.0	27.176	2.714	2750.893	0.08%	98.30%
64.0	25.677	2.593	2753.486	0.08%	98.40%
65.0	24.367	2.477	2755.963	0.08%	98.48%
66.0	22.999	2.363	2758.326	0.07%	98.57%
67.0	21.829	2.254	2760.58	0.07%	98.65%
68.0	20.746	2.157	2762.737	0.07%	98.73%
69.0	19.861	2.072	2764.809	0.06%	98.80%
70.0	19.049	1.998	2766.807	0.06%	98.87%
71.0	18.420	1.937	2768.744	0.06%	98.94%
72.0	17.871	1.887	2770.631	0.06%	99.01%
73.0	17.337	1.841	2772.472	0.06%	99.07%
74.0	16.891	1.799	2774.271	0.05%	99.14%
75.0	16.459	1.762	2776.033	0.05%	99.20%

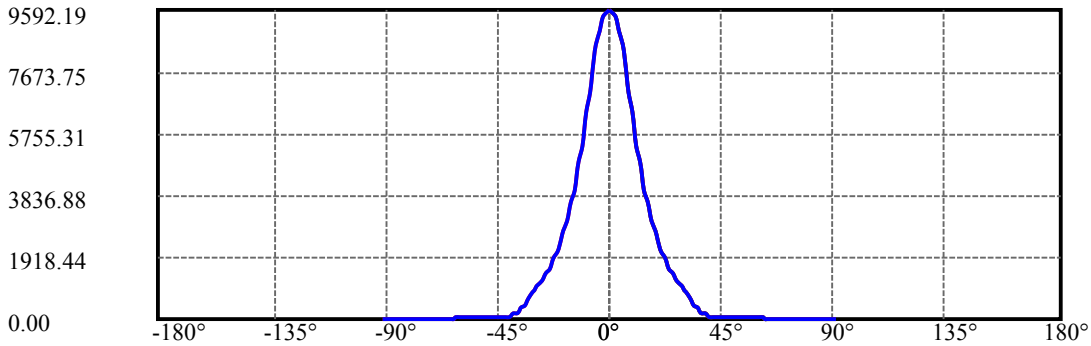
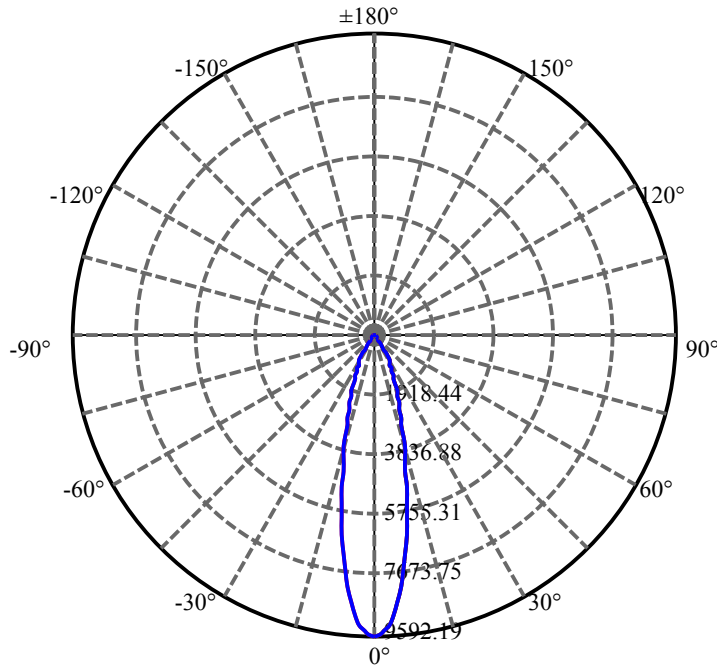
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.050	1.726	2777.759	0.05%	99.26%
77.0	15.633	1.689	2779.448	0.05%	99.32%
78.0	15.245	1.653	2781.101	0.05%	99.38%
79.0	14.872	1.618	2782.719	0.05%	99.44%
80.0	14.492	1.583	2784.303	0.05%	99.50%
81.0	14.126	1.548	2785.85	0.05%	99.55%
82.0	13.760	1.512	2787.362	0.05%	99.61%
83.0	13.402	1.477	2788.839	0.05%	99.66%
84.0	13.094	1.443	2790.282	0.04%	99.71%
85.0	12.816	1.414	2791.697	0.04%	99.76%
86.0	12.531	1.386	2793.082	0.04%	99.81%
87.0	12.297	1.359	2794.441	0.04%	99.86%
88.0	12.078	1.335	2795.776	0.04%	99.91%
89.0	11.953	1.317	2797.093	0.04%	99.95%
90.0	11.887	1.307	2798.4	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2422.84	74.03%	86.58%
0-40	2663.46	81.38%	95.18%
0-60	2742.42	83.79%	98.00%
0-90	2797.09	85.46%	99.95%
0-120	2797.09	85.46%	99.95%
0-180	2798.40	85.50%	100.00%
60-90	54.67	1.67%	1.95%
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%
0-26.70	2238.72	68.40%	80.00%

ZONAL LUMEN SUMMARY

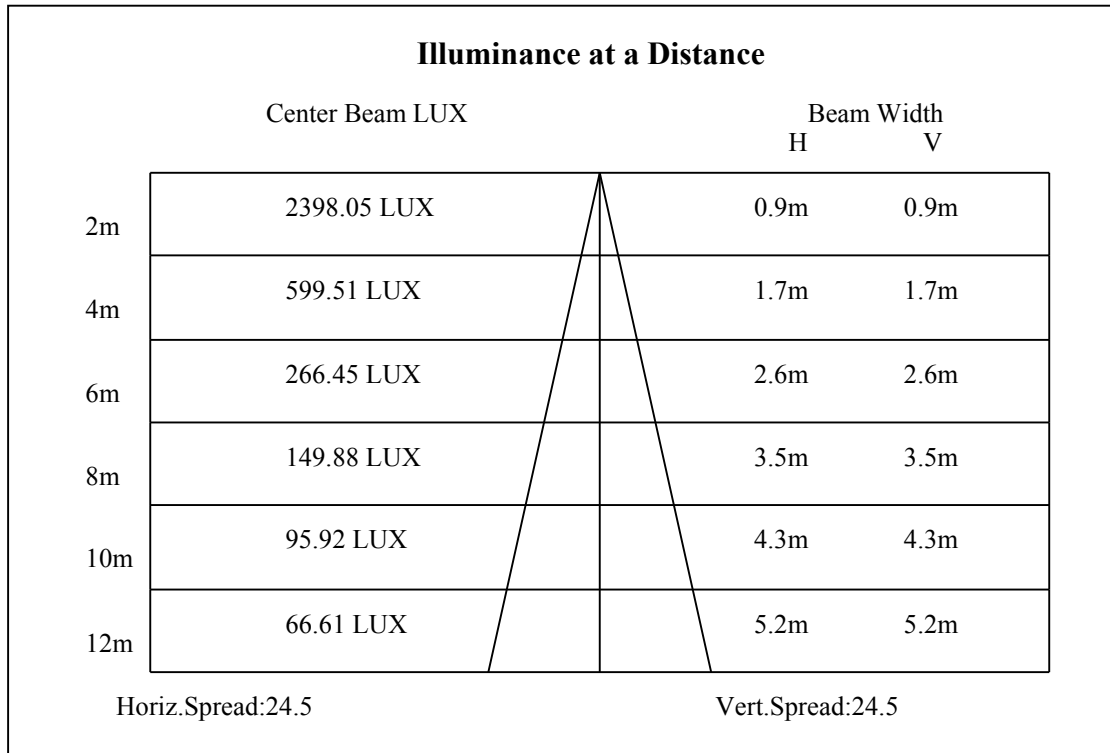
0-10	726.73
10-20	1025.34
20-30	670.78
30-40	240.61
40-50	46.49
50-60	32.48
60-70	24.38
70-80	17.50
80-90	12.79
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

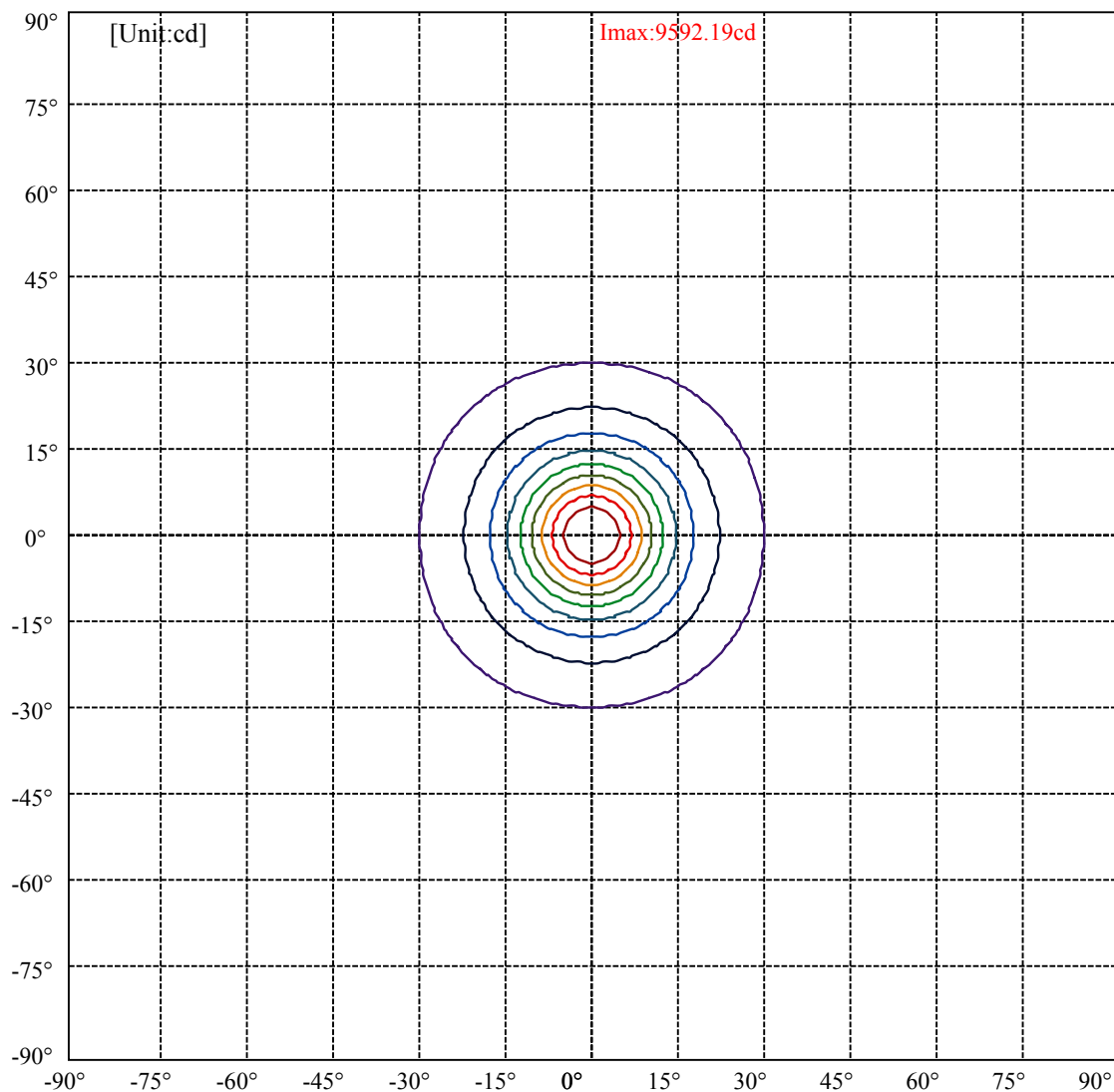


C0(Max): —————
C0/C180: —————
C90/C270: —————

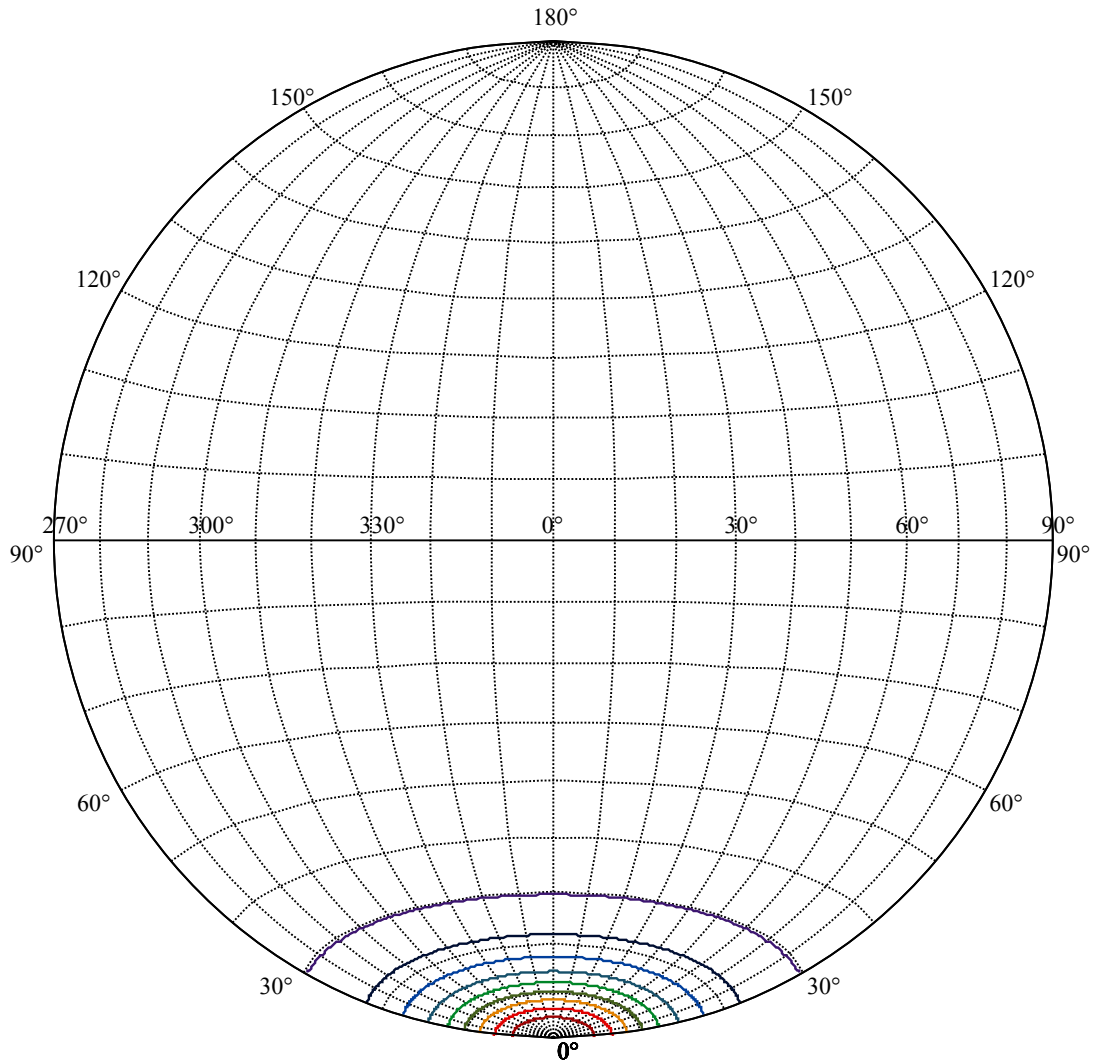
Field angle(10%Imax):C0/180Left:29.6 Right:29.6
:C90/270Left:29.6 Right:29.6

Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2
:C90/270Left:12.2 Right:12.2





(10%Imax) 959.219	—
(20%Imax) 1918.44	—
(30%Imax) 2877.66	—
(40%Imax) 3836.88	—
(50%Imax) 4796.09	—
(60%Imax) 5755.31	—
(70%Imax) 6714.53	—
(80%Imax) 7673.75	—
(90%Imax) 8632.97	—



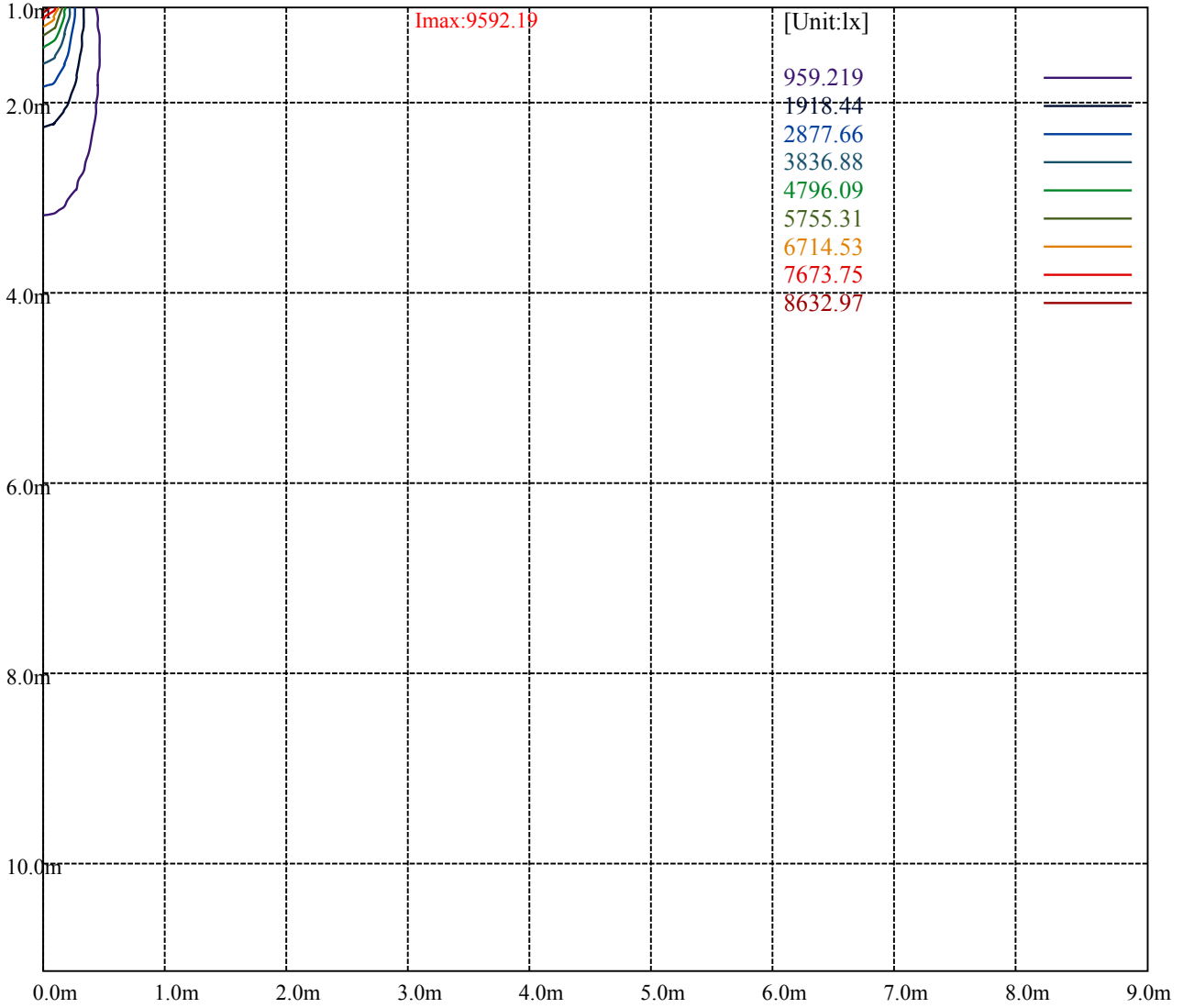
House

[Unit:cd]

Road

Imax:9592.19

(10%Imax)	959.219	—
(20%Imax)	1918.44	—
(30%Imax)	2877.66	—
(40%Imax)	3836.88	—
(50%Imax)	4796.09	—
(60%Imax)	5755.31	—
(70%Imax)	6714.53	—
(80%Imax)	7673.75	—
(90%Imax)	8632.97	—



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

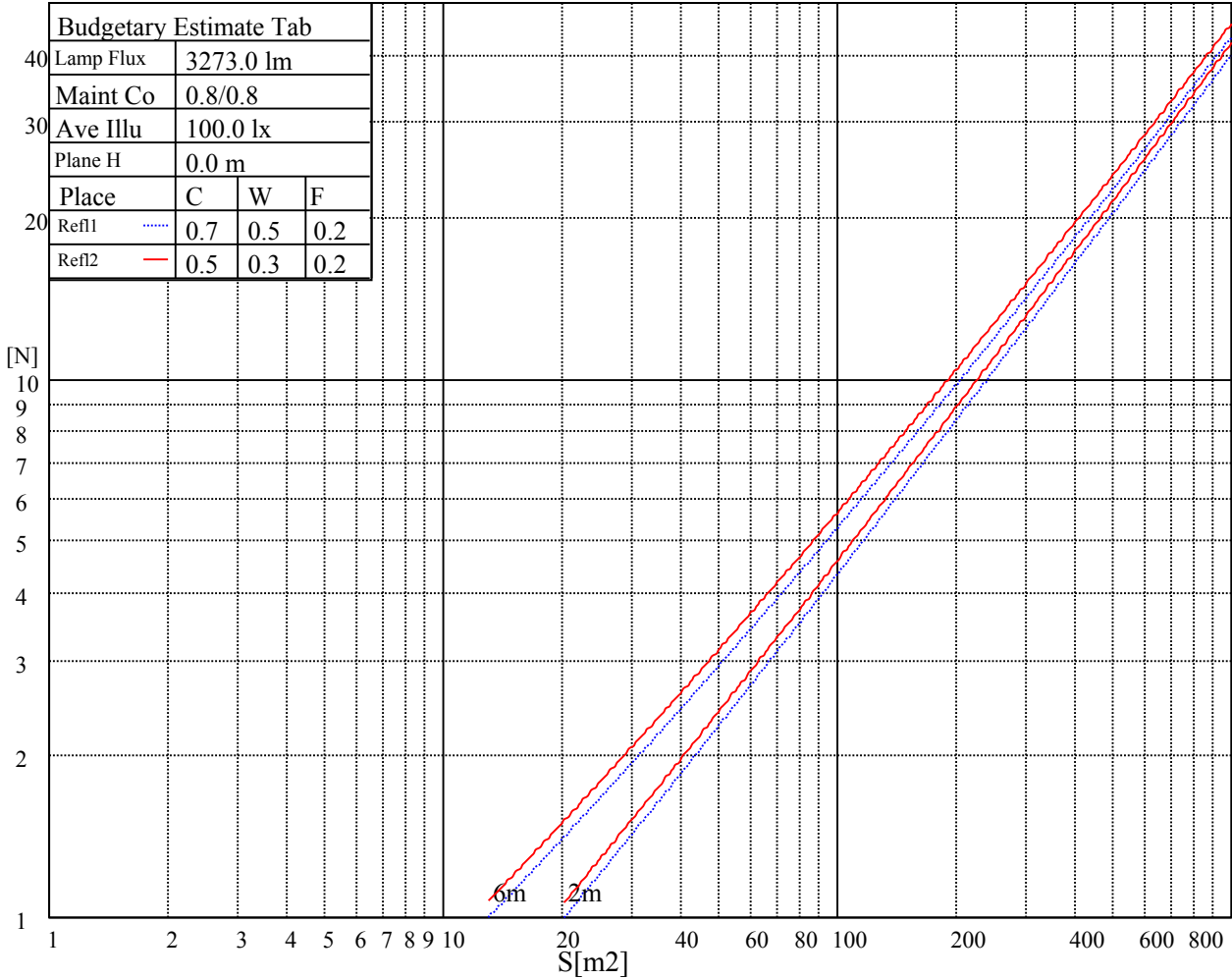
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

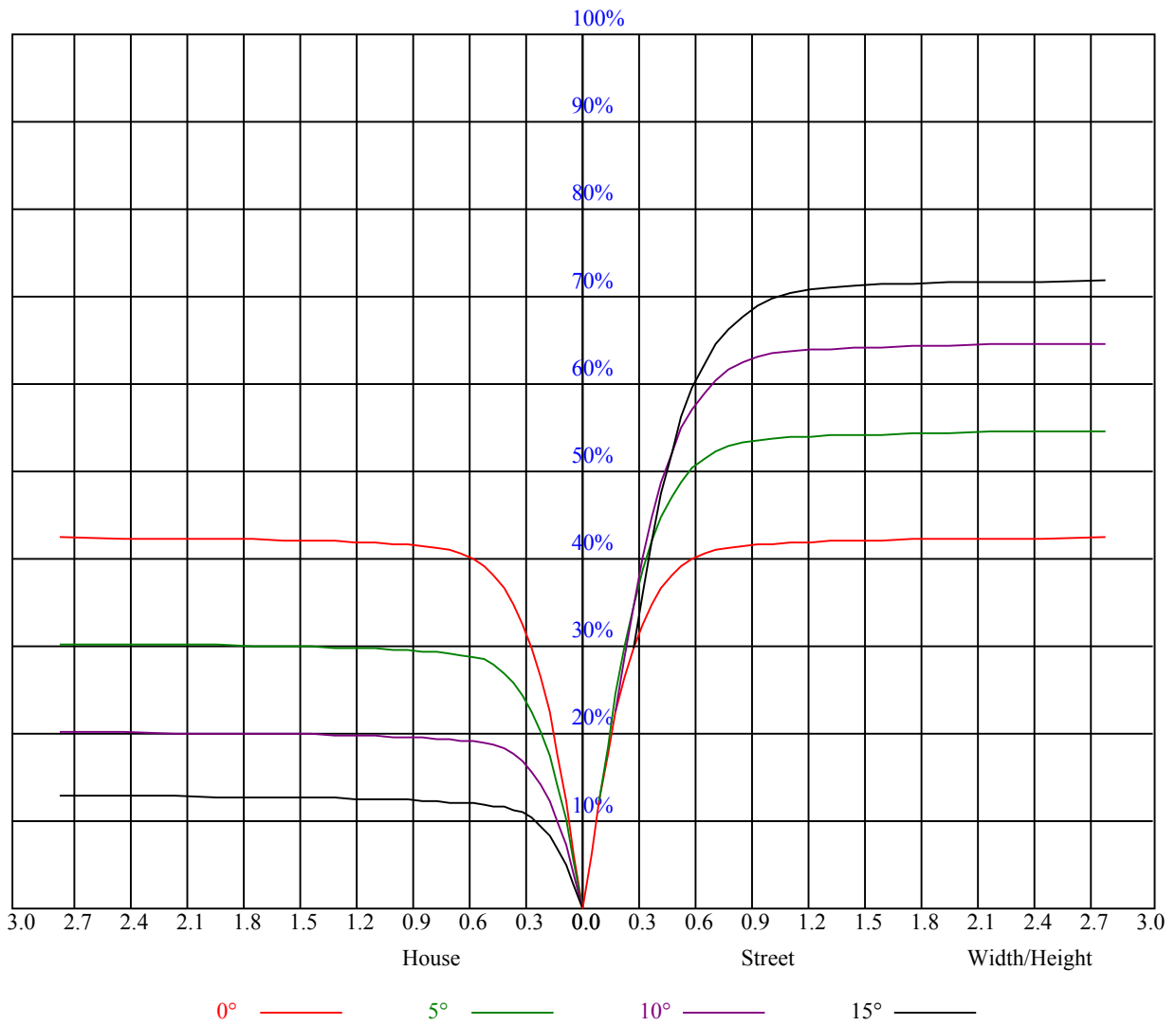


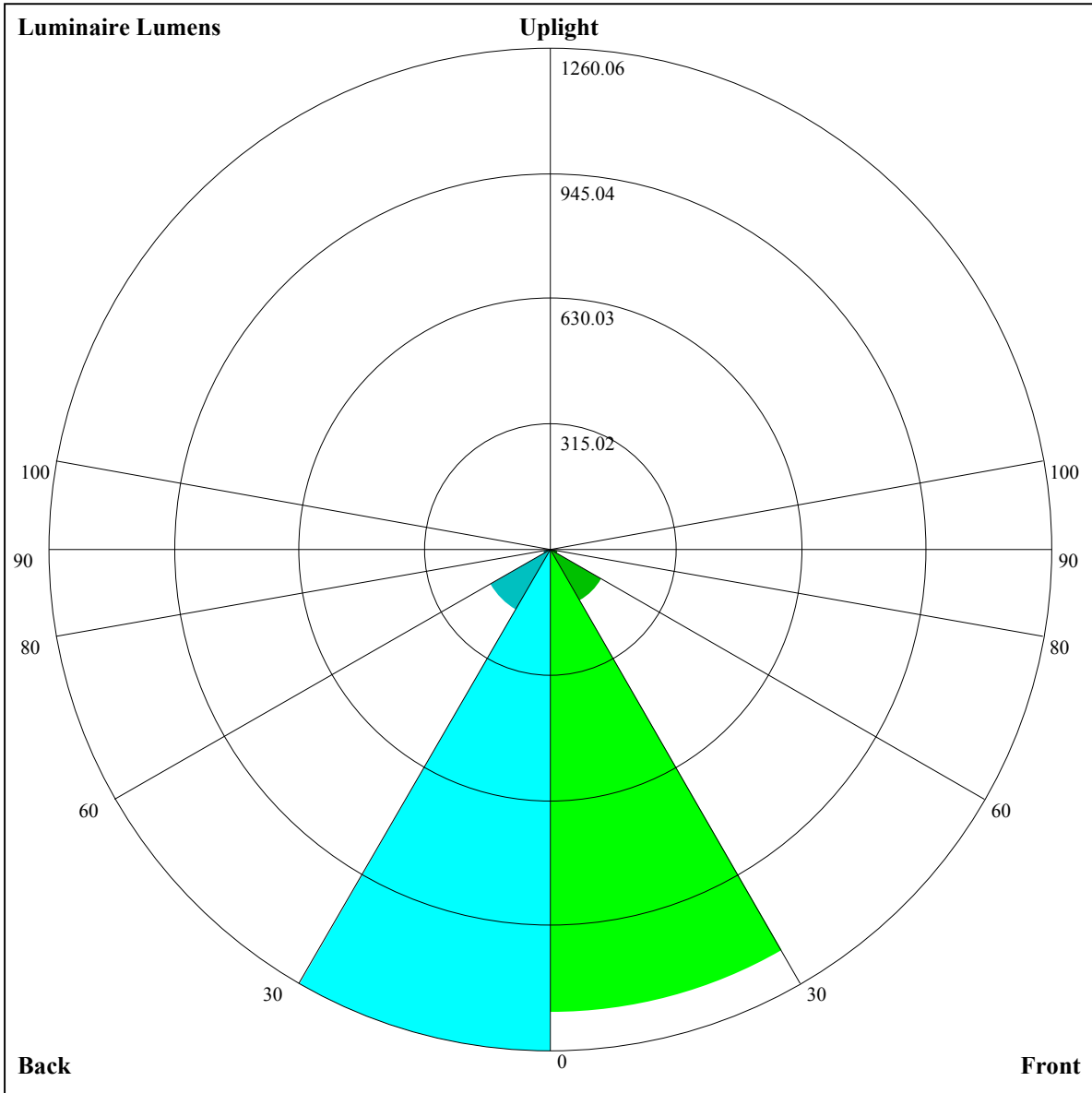
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.84	0.82	0.83	0.81	0.80	0.81	0.80	0.78	0.77
3	0.85	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	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.61
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	0.65	0.61	0.59	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
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1162.58,FM=147.99,FH=20.46,FVH=6.99

BL=1260.06,BM=175.3,BH=21.47,BVH=7.13

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	9527.52	9329.13	9050.56	8668.41	8206.67	7581.06	7067.82	6554.58	6055.38
45.0	9627.01	9554.44	9416.91	9198.04	8751.51	8299.72	7806.37	7174.92	6667.53
90.0	9583.12	9439.15	9234.91	8922.40	8504.55	7921.08	7409.01	6752.38	6240.31
135.0	9631.11	9597.16	9505.28	9301.62	9017.21	8629.79	8171.56	7547.12	7036.22
180.0	9527.52	9607.11	9634.03	9575.51	9466.07	9288.75	8955.17	8561.90	8087.87
225.0	9627.01	9610.62	9536.30	9371.27	9155.32	8839.30	8314.35	7823.93	7302.50
270.0	9583.12	9632.28	9610.62	9536.30	9361.90	9124.89	8784.87	8360.58	7725.03
315.0	9631.11	9594.82	9491.82	9324.45	9055.83	8674.26	8102.50	7586.92	7055.53
360.0	9527.52	9329.13	9050.56	8668.41	8206.67	7581.06	7067.82	6554.58	6055.38
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5450.84	4982.08	4447.77	4056.25	3696.92	3303.65	3024.50	2773.44	2496.04
45.0	6168.33	5682.01	5100.88	4667.81	4257.57	3878.93	3455.23	3157.93	2889.31
90.0	5739.95	5137.16	4693.56	4284.49	3908.19	3489.17	3191.88	2923.26	2682.73
135.0	6383.11	5873.38	5393.49	4831.09	4412.07	4019.97	3666.49	3283.17	3013.38
180.0	7451.14	6939.07	6401.83	5883.33	5279.37	4828.16	4400.95	4005.92	3581.64
225.0	6778.13	6119.17	5615.88	5143.02	4705.85	4193.20	3826.26	3414.26	3120.48
270.0	7217.05	6675.72	6036.65	5521.66	4930.58	4512.14	4127.07	3672.93	3351.64
315.0	6405.93	5893.86	5408.71	4841.04	4420.85	3936.87	3596.85	3288.44	3008.70
360.0	5450.84	4982.08	4447.77	4056.25	3696.92	3303.65	3024.50	2773.44	2496.04
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2301.75	2123.84	1955.30	1758.07	1607.09	1461.95	1161.55	1161.55	1124.98
45.0	2593.78	2384.85	2150.18	1979.87	1819.52	1666.19	1485.36	1348.42	1239.57
90.0	2418.21	2228.01	2050.69	1847.03	1694.87	1512.28	1375.92	1149.73	1149.73
135.0	2764.08	2541.69	2283.61	2095.16	1926.03	1724.13	1573.14	1426.25	1268.83
180.0	3283.17	2946.08	2703.21	2477.90	2227.42	2045.42	1882.14	1725.89	1579.58
225.0	2853.62	2552.22	2344.47	2158.37	1985.14	1787.34	1642.20	1506.43	1292.82
270.0	3067.81	2807.97	2512.43	2304.67	2125.60	1952.37	1760.42	1614.11	1471.90
315.0	2695.02	2473.80	2277.17	2098.09	1889.75	1737.01	1590.70	1416.30	1153.30
360.0	2301.75	2123.84	1955.30	1758.07	1607.09	1461.95	1161.55	1161.55	1124.98
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1051.71	929.34	820.95	709.53	562.28	441.14	329.95	207.52	134.60
45.0	1151.78	1064.58	974.46	872.04	764.36	622.15	505.69	364.65	311.98
90.0	1082.26	998.39	902.53	789.94	646.15	524.42	405.44	297.29	185.05
135.0	1172.85	1083.31	1014.84	923.54	818.79	680.68	561.87	441.90	334.81
180.0	1406.94	1283.46	1190.41	1097.36	1025.96	922.96	782.50	667.80	544.32
225.0	1167.76	1147.51	1076.35	1002.61	868.88	754.06	606.29	487.26	375.13
270.0	1339.64	1207.38	1124.86	1042.93	953.98	842.20	703.50	581.19	462.97
315.0	1153.30	1100.40	1030.52	929.51	795.15	683.60	565.09	448.05	311.75
360.0	1051.71	929.34	820.95	709.53	562.28	441.14	329.95	207.52	134.60
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	105.81	95.86	85.74	79.24	73.09	67.53	61.33	57.18	53.20
45.0	311.98	117.51	100.72	91.41	82.63	76.02	70.05	64.90	59.17
90.0	124.18	103.23	93.17	86.15	77.78	71.87	66.54	60.51	56.53
135.0	310.81	197.28	114.18	102.59	91.88	84.51	76.14	70.29	65.08
180.0	401.52	297.94	297.94	122.25	103.53	93.75	84.62	78.19	72.39
225.0	253.29	173.23	119.62	101.95	90.42	83.28	76.90	71.16	64.90
270.0	351.78	300.28	300.28	111.66	99.66	88.54	81.81	75.14	68.06
315.0	217.29	144.78	112.19	99.02	90.53	83.45	75.14	69.29	62.85
360.0	105.81	95.86	85.74	79.24	73.09	67.53	61.33	57.18	53.20

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	48.92	45.94	43.19	41.02	39.56	38.27	36.93	36.05	35.35
45.0	55.13	51.50	48.28	45.00	42.72	40.73	39.15	37.92	36.87
90.0	52.55	49.33	45.88	43.54	41.49	40.03	38.33	37.45	36.40
135.0	59.28	55.25	51.73	48.40	45.18	42.78	41.08	39.62	38.10
180.0	67.24	62.44	57.41	53.67	50.50	47.52	44.65	42.37	40.32
225.0	60.34	56.47	51.97	48.98	46.29	43.48	41.43	39.56	38.22
270.0	63.20	58.82	54.13	50.80	47.87	44.77	42.72	40.85	39.39
315.0	58.52	54.37	50.91	47.05	44.65	42.37	40.50	38.57	37.40
360.0	48.92	45.94	43.19	41.02	39.56	38.27	36.93	36.05	35.35
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.82	34.18	33.71	32.60	31.25	29.90	28.50	27.21	25.40
45.0	35.99	35.52	34.94	34.18	33.18	31.89	30.67	28.85	27.62
90.0	35.76	35.17	34.35	33.65	32.30	31.19	29.32	28.09	26.69
135.0	37.04	36.34	35.70	34.94	34.29	32.95	31.78	30.37	28.62
180.0	38.74	37.69	36.58	36.05	35.52	34.70	34.06	32.83	31.72
225.0	37.28	36.40	35.76	35.11	34.41	33.77	32.25	31.13	29.61
270.0	37.81	36.81	35.93	35.29	34.53	34.06	32.95	31.84	30.78
315.0	36.34	35.52	34.94	34.18	33.53	32.48	31.49	29.85	28.56
360.0	34.82	34.18	33.71	32.60	31.25	29.90	28.50	27.21	25.40
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.94	22.59	21.48	20.48	19.31	18.67	18.14	17.62	17.09
45.0	26.10	24.99	23.35	22.06	21.07	19.84	19.08	18.38	17.79
90.0	25.28	23.88	22.47	21.48	20.48	19.43	18.79	18.20	17.56
135.0	27.27	25.81	24.64	23.00	21.95	21.01	20.01	19.14	18.49
180.0	30.26	28.56	27.15	25.69	24.29	22.82	21.77	20.54	19.72
225.0	28.38	26.51	25.28	23.70	22.41	21.42	20.19	19.49	18.90
270.0	28.91	27.68	26.22	24.70	23.35	22.18	21.24	20.07	19.37
315.0	27.27	25.40	24.35	22.88	21.77	20.60	19.66	18.96	18.43
360.0	23.94	22.59	21.48	20.48	19.31	18.67	18.14	17.62	17.09
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.68	16.27	15.92	15.45	15.16	14.81	14.40	14.05	13.64
45.0	17.38	16.91	16.44	16.09	15.68	15.39	14.92	14.63	14.28
90.0	17.15	16.68	16.27	15.92	15.51	15.10	14.75	14.40	14.05
135.0	17.85	17.38	16.97	16.50	16.09	15.68	15.27	14.92	14.51
180.0	19.08	18.32	17.79	17.38	16.85	16.44	16.09	15.68	15.27
225.0	18.32	17.67	17.26	16.85	16.44	15.92	15.57	15.22	14.81
270.0	18.73	18.14	17.62	17.09	16.68	16.21	15.80	15.27	14.92
315.0	17.79	17.32	16.85	16.39	15.98	15.51	15.16	14.81	14.46
360.0	16.68	16.27	15.92	15.45	15.16	14.81	14.40	14.05	13.64
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.34	13.11	12.76	12.52	12.35	12.11	11.88	11.88	11.82
45.0	13.87	13.52	13.17	12.93	12.64	12.35	12.11	11.94	11.82
90.0	13.69	13.34	12.99	12.76	12.52	12.23	12.00	11.76	11.94
135.0	14.16	13.75	13.40	13.05	12.76	12.52	12.23	12.00	11.82
180.0	14.86	14.46	14.05	13.69	13.34	12.99	12.76	12.47	12.23
225.0	14.46	13.99	13.64	13.28	12.99	12.70	12.47	12.17	12.00
270.0	14.57	14.22	13.81	13.46	13.11	12.82	12.58	12.29	12.11
315.0	14.05	13.69	13.40	13.05	12.82	12.52	12.35	12.11	11.88
360.0	13.34	13.11	12.76	12.52	12.35	12.11	11.88	11.88	11.82

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.82
45.0	11.82
90.0	11.82
135.0	11.94
180.0	12.11
225.0	11.76
270.0	11.94
315.0	11.88
360.0	11.82