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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.412.00

Report No: 2024305-B004

Ballast type: AC

Test No: 2024305-C004

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): 2788.50, Efficiency(%): 84.83% , Luminous Efficacy(lm/W): 153.09

Central intensity(cd): 9133.666, Maximum intensity(cd): 9133.666

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=60.8

[C90/270]Total=60.8

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

Maximum s/h(1/4): C0_180=0.47 C90_270=0.47

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.953%

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	9133.665	0.000	0	0.00%	0.00%
1.0	9028.105	8.690	8.69	0.26%	0.31%
2.0	8818.960	25.616	34.306	0.78%	1.23%
3.0	8492.771	41.404	75.71	1.26%	2.72%
4.0	8087.136	55.498	131.208	1.69%	4.71%
5.0	7640.610	67.660	198.868	2.06%	7.13%
6.0	7195.619	77.968	276.836	2.37%	9.93%
7.0	6748.800	86.553	363.389	2.63%	13.03%
8.0	6316.319	93.505	456.894	2.84%	16.38%
9.0	5856.917	98.657	555.551	3.00%	19.92%
10.0	5439.871	102.232	657.783	3.11%	23.59%
11.0	5047.039	104.786	762.569	3.19%	27.35%
12.0	4637.308	105.864	868.433	3.22%	31.14%
13.0	4268.470	105.689	974.122	3.22%	34.93%
14.0	3910.971	104.696	1078.818	3.19%	38.69%
15.0	3601.606	103.136	1181.954	3.14%	42.39%
16.0	3295.973	101.069	1283.023	3.07%	46.01%
17.0	3040.156	98.671	1381.693	3.00%	49.55%
18.0	2792.386	96.166	1477.859	2.93%	53.00%
19.0	2580.389	93.475	1571.335	2.84%	56.35%
20.0	2373.292	90.666	1662.001	2.76%	59.60%
21.0	2189.678	87.618	1749.619	2.67%	62.74%
22.0	2022.669	84.649	1834.268	2.58%	65.78%
23.0	1877.241	81.831	1916.098	2.49%	68.71%
24.0	1742.273	79.136	1995.234	2.41%	71.55%
25.0	1586.589	75.691	2070.925	2.30%	74.27%
26.0	1454.489	71.785	2142.71	2.18%	76.84%
27.0	1320.151	67.882	2210.592	2.07%	79.28%
28.0	1207.122	63.985	2274.577	1.95%	81.57%
29.0	1087.033	60.022	2334.599	1.83%	83.72%
30.0	963.397	55.361	2389.96	1.68%	85.71%
31.0	831.532	49.950	2439.91	1.52%	87.50%
32.0	704.179	43.996	2483.907	1.34%	89.08%
33.0	588.634	38.087	2521.994	1.16%	90.44%
34.0	478.970	32.309	2554.302	0.98%	91.60%
35.0	382.379	26.750	2581.053	0.81%	92.56%
36.0	298.735	21.687	2602.74	0.66%	93.34%
37.0	247.579	17.818	2620.557	0.54%	93.98%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	196.497	14.823	2635.38	0.45%	94.51%
39.0	135.041	11.316	2646.696	0.34%	94.91%
40.0	98.567	8.147	2654.844	0.25%	95.21%
41.0	84.331	6.513	2661.356	0.20%	95.44%
42.0	74.850	5.783	2667.14	0.18%	95.65%
43.0	67.820	5.285	2672.425	0.16%	95.84%
44.0	62.048	4.902	2677.326	0.15%	96.01%
45.0	57.155	4.581	2681.907	0.14%	96.18%
46.0	52.765	4.299	2686.206	0.13%	96.33%
47.0	49.086	4.051	2690.257	0.12%	96.48%
48.0	45.728	3.833	2694.09	0.12%	96.61%
49.0	42.853	3.638	2697.728	0.11%	96.74%
50.0	40.161	3.461	2701.189	0.11%	96.87%
51.0	37.952	3.305	2704.494	0.10%	96.99%
52.0	36.035	3.175	2707.668	0.10%	97.10%
53.0	34.389	3.063	2710.732	0.09%	97.21%
54.0	33.175	2.978	2713.71	0.09%	97.32%
55.0	32.268	2.921	2716.631	0.09%	97.42%
56.0	31.800	2.895	2719.526	0.09%	97.53%
57.0	31.690	2.903	2722.429	0.09%	97.63%
58.0	31.851	2.938	2725.367	0.09%	97.74%
59.0	32.136	2.991	2728.359	0.09%	97.84%
60.0	32.356	3.047	2731.406	0.09%	97.95%
61.0	32.173	3.079	2734.485	0.09%	98.06%
62.0	31.558	3.071	2737.556	0.09%	98.17%
63.0	30.344	3.011	2740.567	0.09%	98.28%
64.0	28.530	2.889	2743.455	0.09%	98.38%
65.0	26.489	2.723	2746.178	0.08%	98.48%
66.0	24.258	2.532	2748.71	0.08%	98.57%
67.0	22.268	2.339	2751.05	0.07%	98.66%
68.0	20.666	2.175	2753.225	0.07%	98.74%
69.0	19.466	2.047	2755.272	0.06%	98.81%
70.0	18.574	1.954	2757.225	0.06%	98.88%
71.0	17.996	1.890	2759.116	0.06%	98.95%
72.0	17.498	1.846	2760.961	0.06%	99.01%
73.0	17.074	1.808	2762.769	0.06%	99.08%
74.0	16.723	1.777	2764.546	0.05%	99.14%
75.0	16.335	1.747	2766.292	0.05%	99.20%

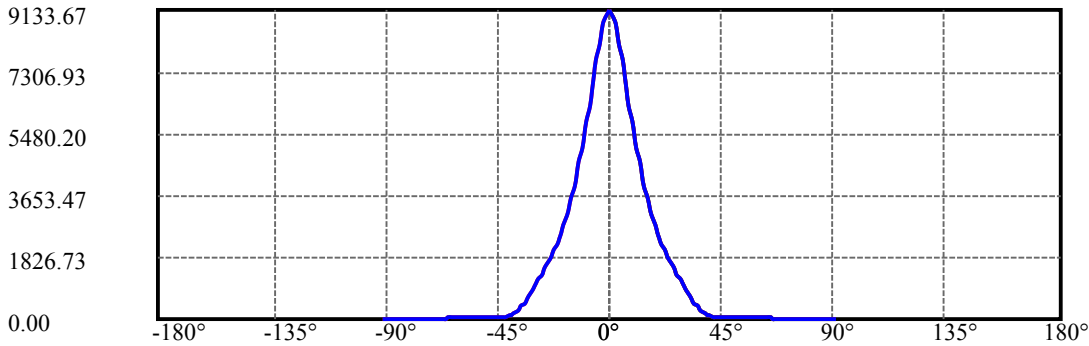
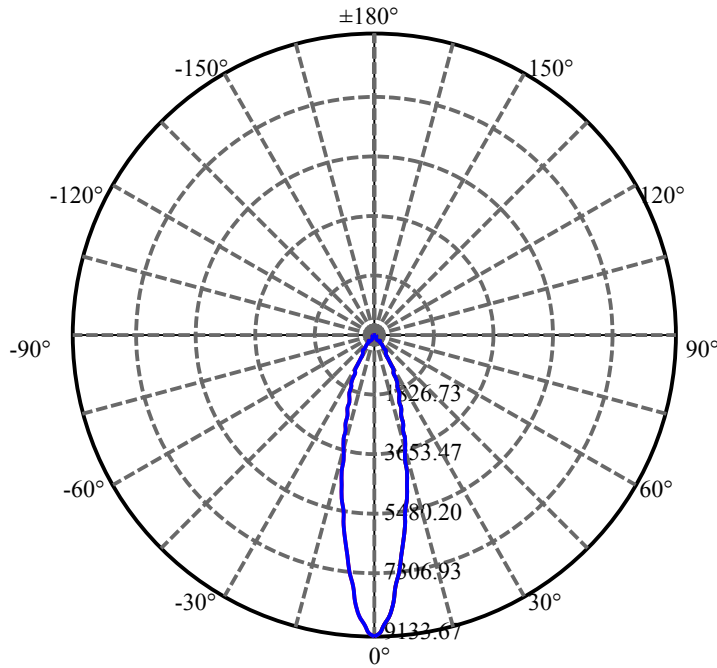
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.028	1.718	2768.01	0.05%	99.27%
77.0	15.647	1.689	2769.699	0.05%	99.33%
78.0	15.274	1.655	2771.354	0.05%	99.39%
79.0	14.857	1.619	2772.973	0.05%	99.44%
80.0	14.455	1.580	2774.554	0.05%	99.50%
81.0	14.031	1.540	2776.094	0.05%	99.56%
82.0	13.636	1.500	2777.595	0.05%	99.61%
83.0	13.270	1.463	2779.057	0.04%	99.66%
84.0	12.933	1.428	2780.485	0.04%	99.71%
85.0	12.619	1.395	2781.879	0.04%	99.76%
86.0	12.363	1.366	2783.245	0.04%	99.81%
87.0	12.129	1.340	2784.585	0.04%	99.86%
88.0	11.953	1.319	2785.904	0.04%	99.91%
89.0	11.814	1.303	2787.207	0.04%	99.95%
90.0	11.734	1.291	2788.498	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2389.96	72.71%	85.71%
0-40	2654.84	80.77%	95.21%
0-60	2731.41	83.10%	97.95%
0-90	2787.21	84.79%	99.95%
0-120	2787.21	84.79%	99.95%
0-180	2788.50	84.83%	100.00%
60-90	55.80	1.70%	2.00%
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%
0-27.32	2230.80	67.87%	80.00%

ZONAL LUMEN SUMMARY

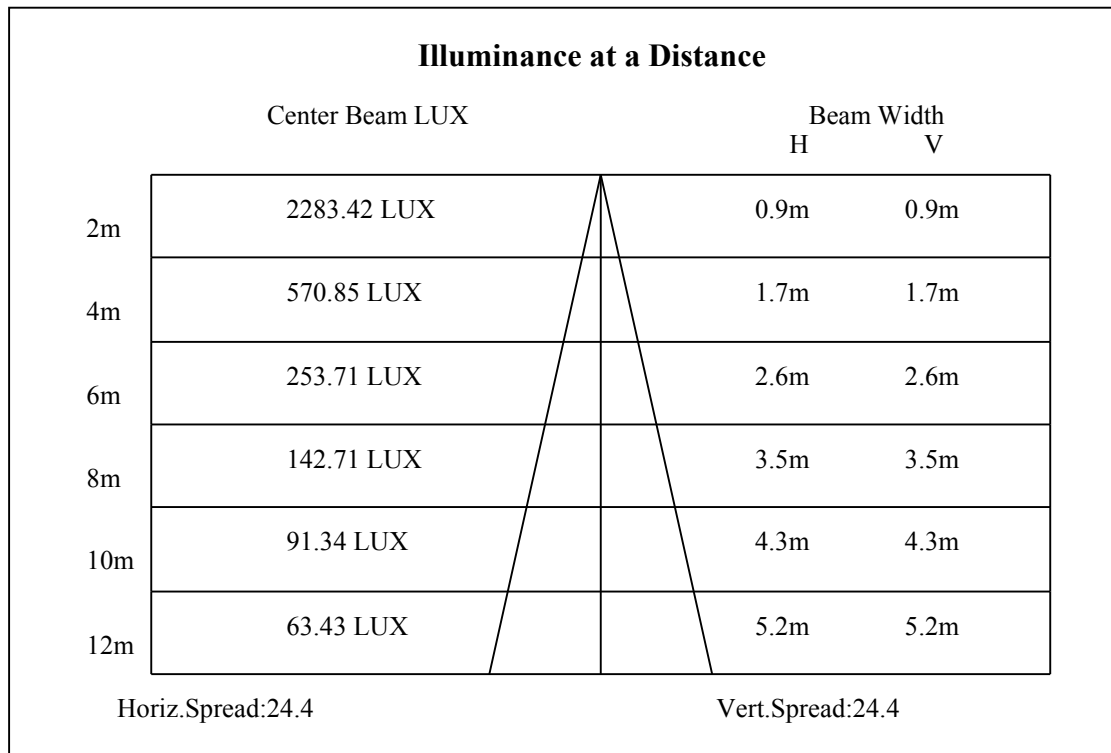
0-10	657.78
10-20	1004.22
20-30	727.96
30-40	264.88
40-50	46.35
50-60	30.22
60-70	25.82
70-80	17.33
80-90	12.65
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

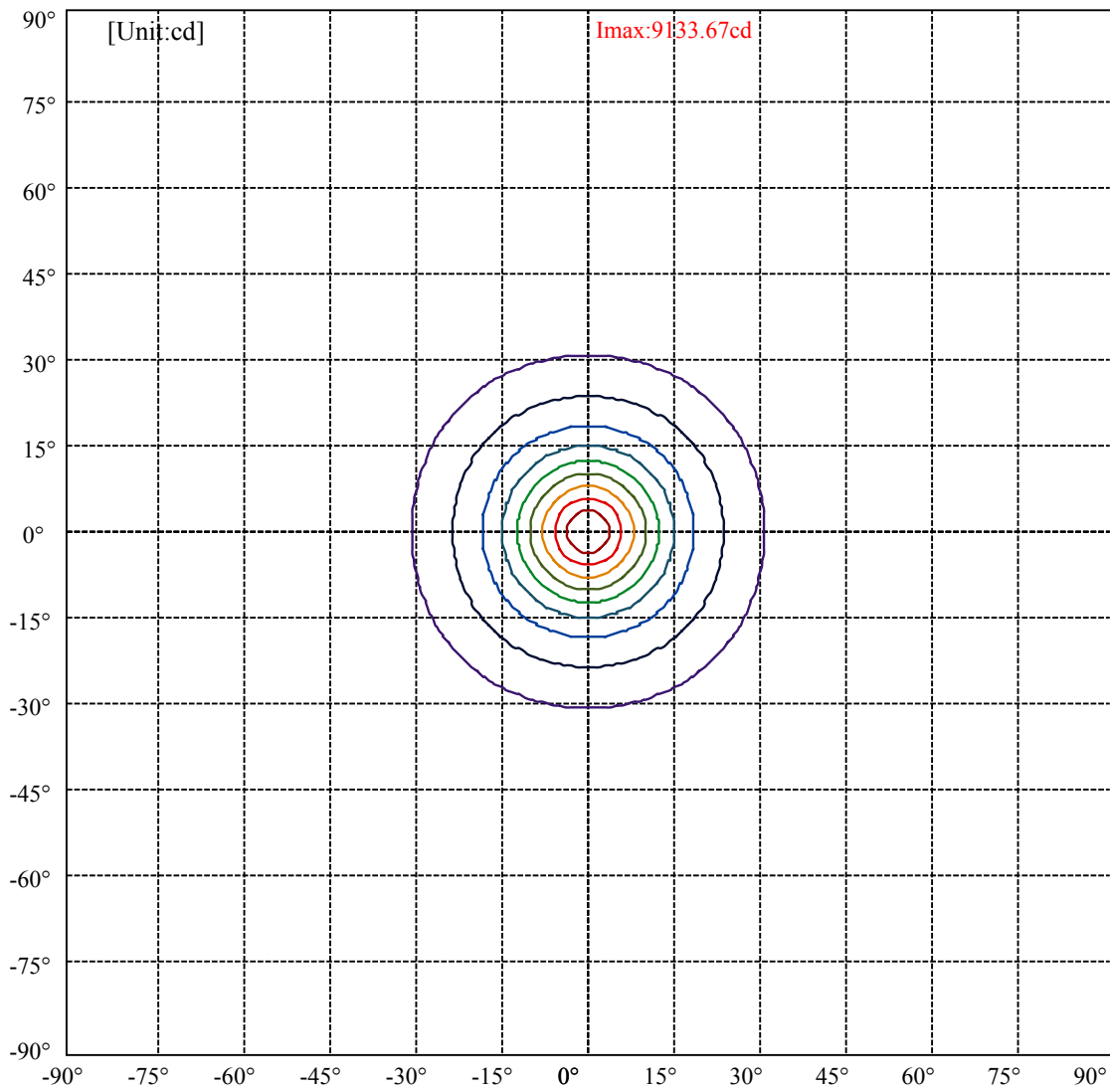


C0(Max): —————
C0/C180: —————
C90/C270: —————

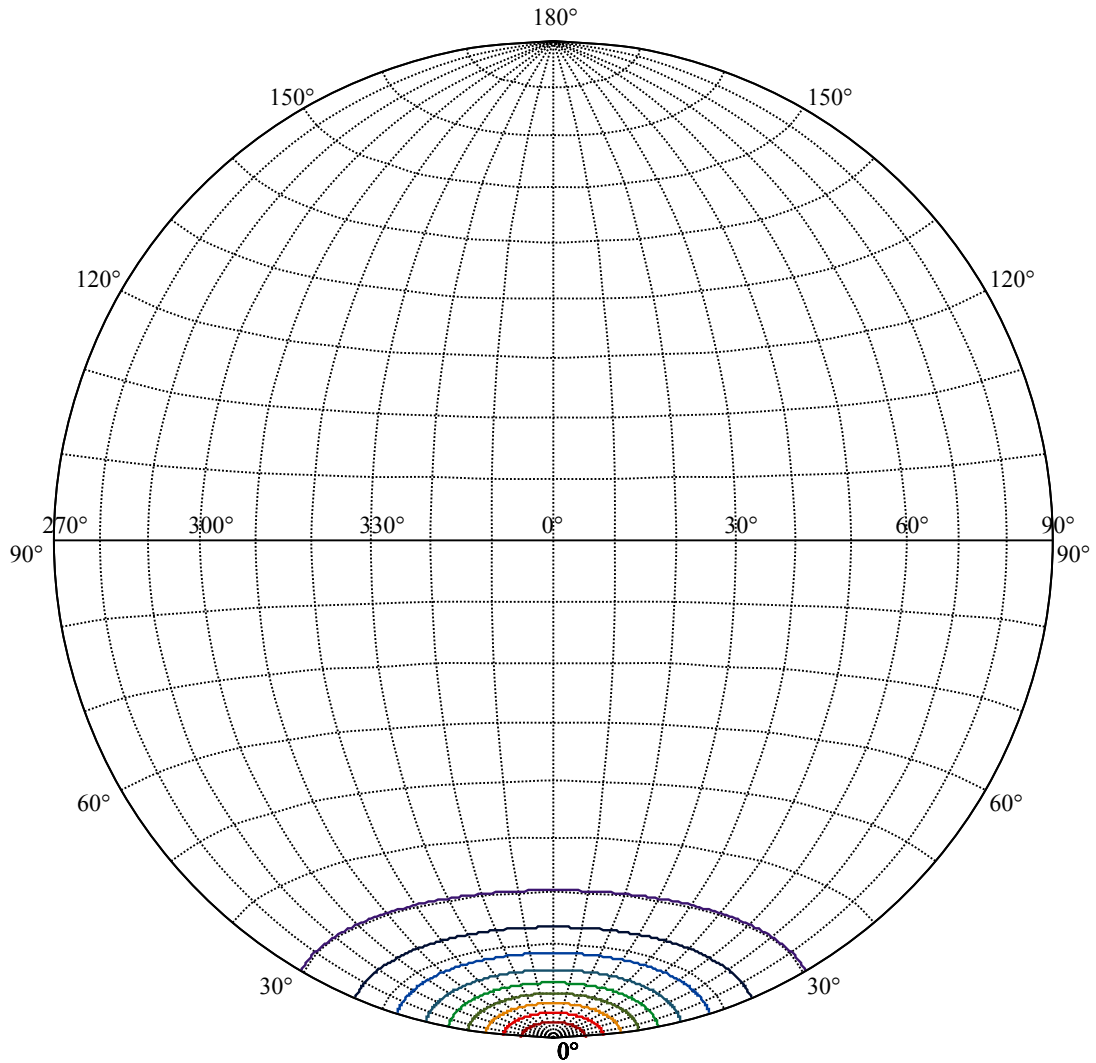
Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

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





(10%Imax) 913.367	—
(20%Imax) 1826.73	—
(30%Imax) 2740.1	—
(40%Imax) 3653.47	—
(50%Imax) 4566.83	—
(60%Imax) 5480.2	—
(70%Imax) 6393.57	—
(80%Imax) 7306.93	—
(90%Imax) 8220.3	—



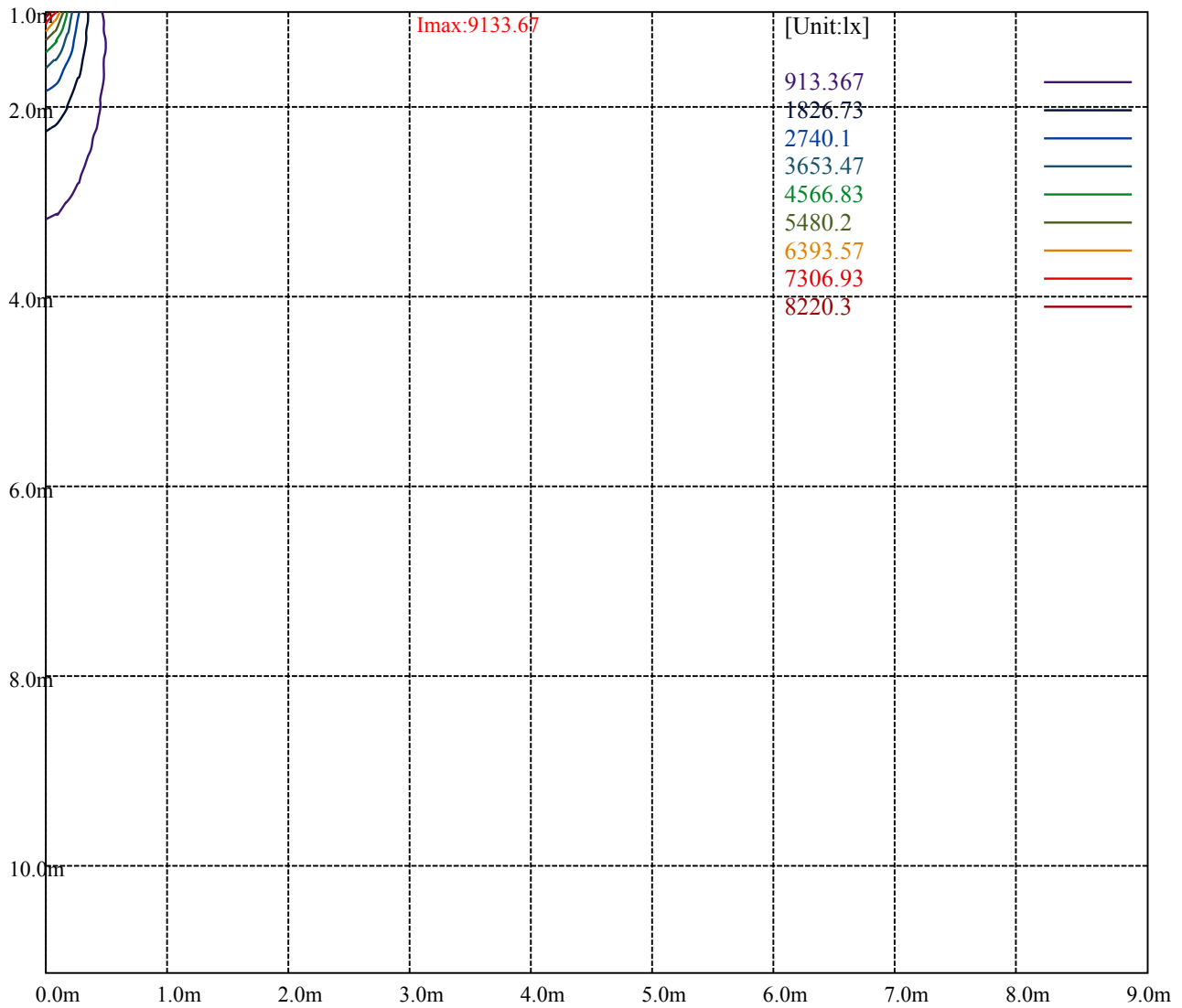
House

[Unit:cd]

Road

Imax:9133.67

(10%Imax)	913.367	—
(20%Imax)	1826.73	—
(30%Imax)	2740.1	—
(40%Imax)	3653.47	—
(50%Imax)	4566.83	—
(60%Imax)	5480.2	—
(70%Imax)	6393.57	—
(80%Imax)	7306.93	—
(90%Imax)	8220.3	—



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

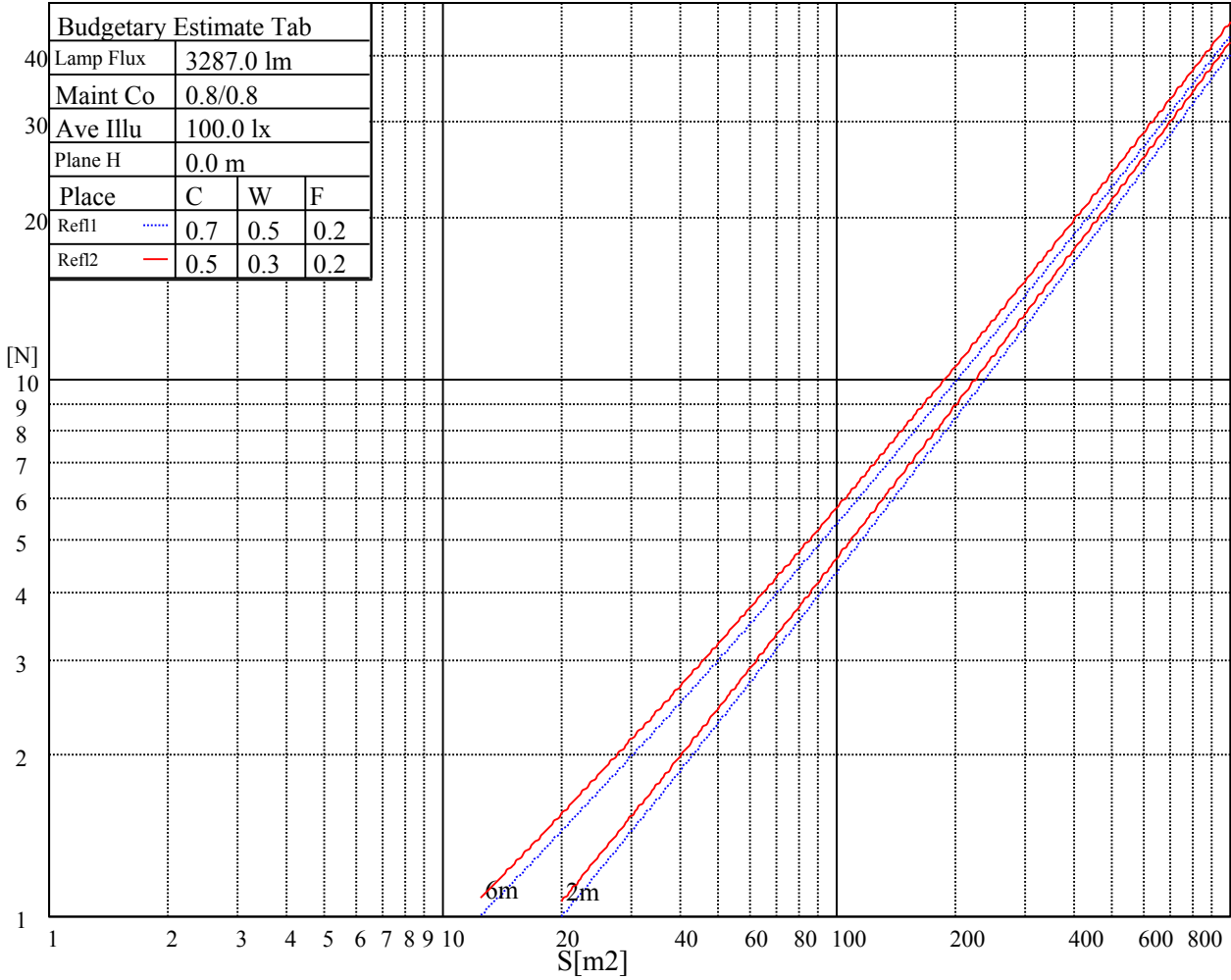
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

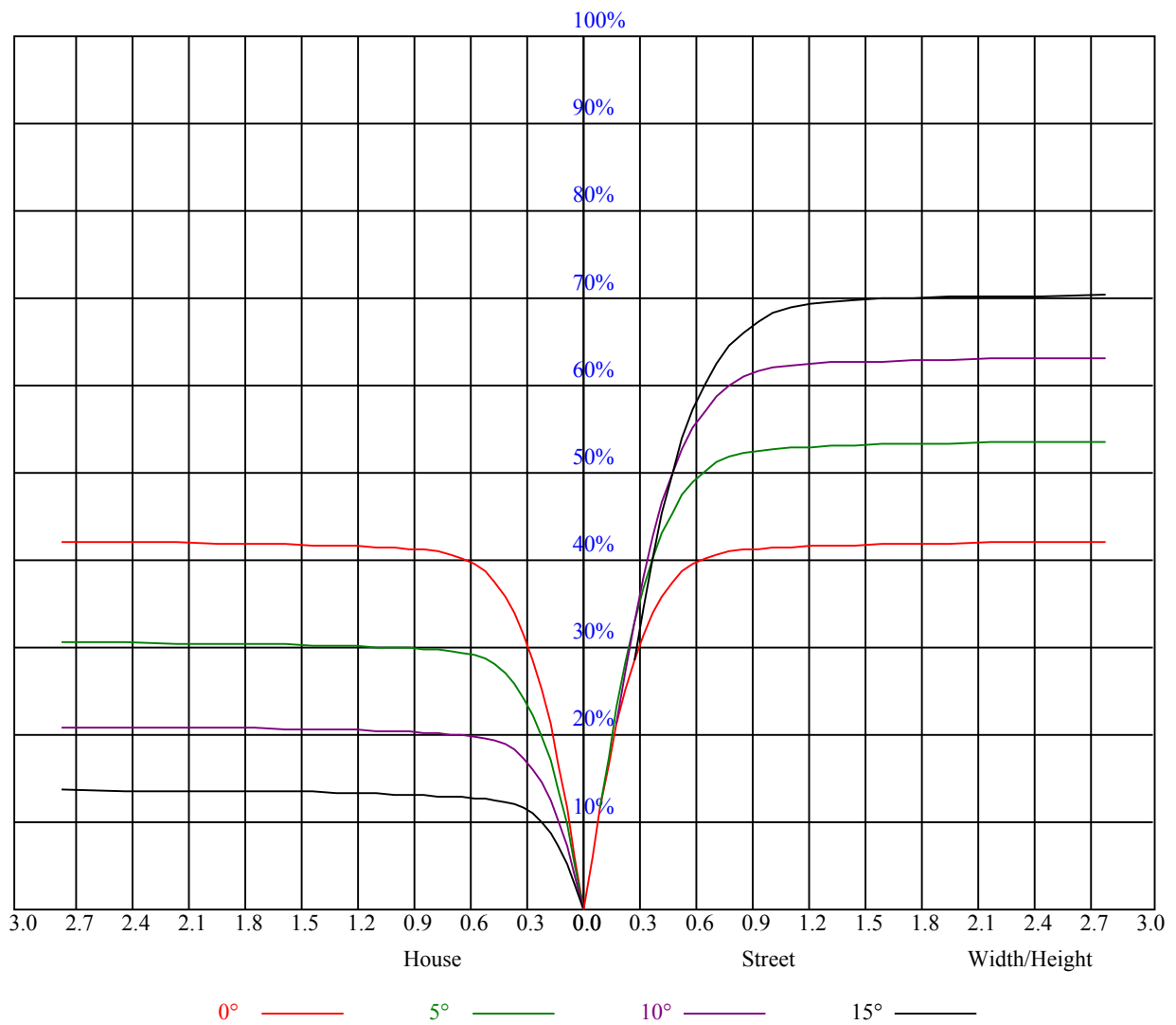


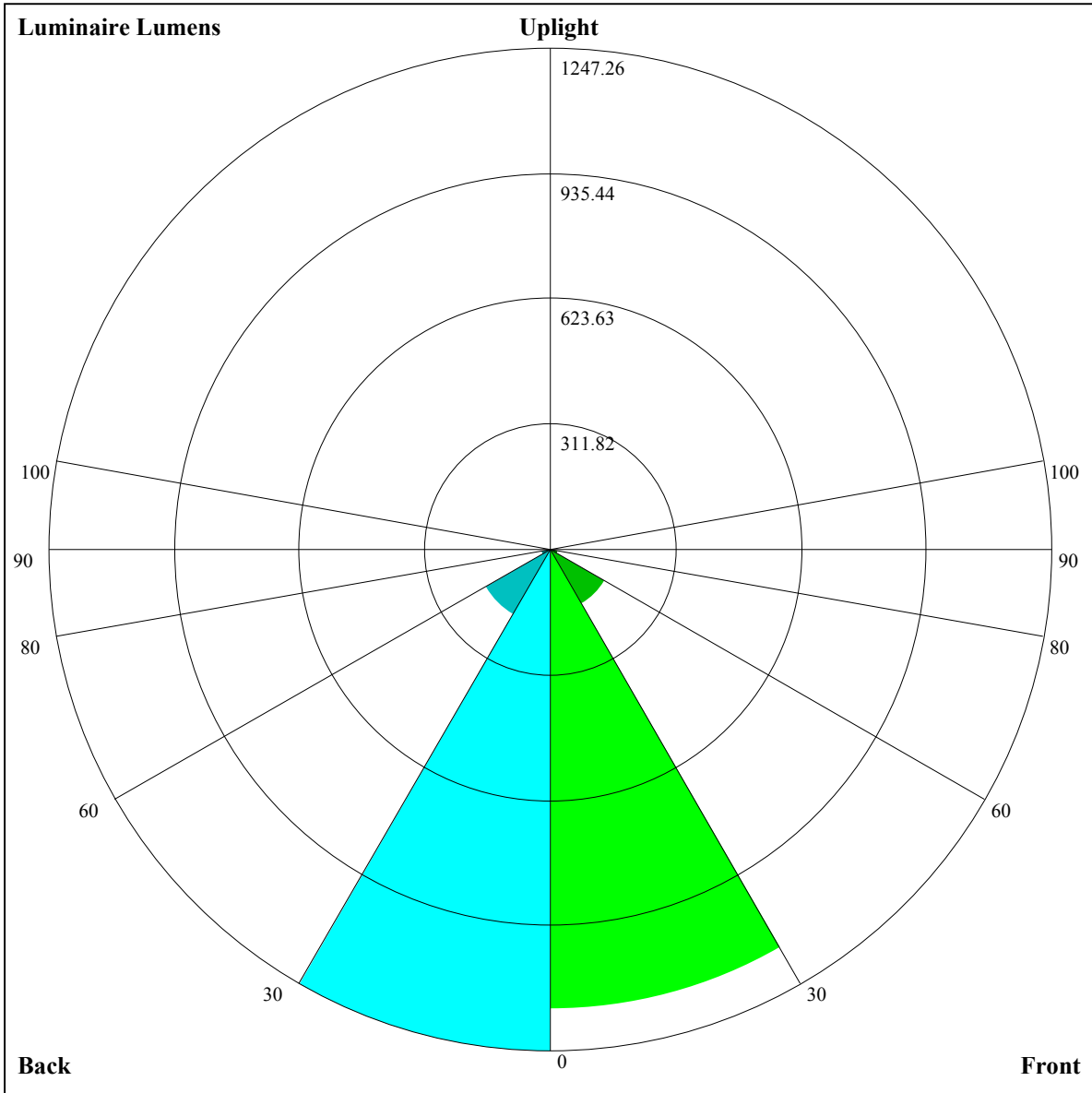
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.81	0.82	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.65
6	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
7	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.57
9	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53





Luminaire Lumens:

FL=1141.69,FM=155.54,FH=21.08,FVH=6.91

BL=1247.26,BM=189.08,BH=22.07,BVH=7.05

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	8907.77	8463.00	8065.04	7635.49	7195.40	6664.02	6254.94	5856.99	5464.30
45.0	9234.32	8989.11	8669.00	8282.75	7752.53	7318.30	6895.76	6482.01	5971.11
90.0	9113.18	8755.02	8391.60	7990.72	7453.48	7036.80	6620.71	6106.88	5704.25
135.0	9279.39	9229.64	9023.06	8617.50	8229.49	7816.91	7281.43	6862.99	6443.39
180.0	8907.77	9162.34	9275.87	9192.19	8951.66	8615.74	8128.83	7711.57	7279.09
225.0	9234.32	9258.32	9064.61	8770.83	8399.79	7881.28	7449.97	7009.88	6572.72
270.0	9113.18	9251.88	9227.30	8980.34	8654.95	8265.19	7846.17	7308.35	6867.67
315.0	9279.39	9115.52	8835.20	8472.36	8059.78	7526.64	7087.13	6651.73	6228.02
360.0	8907.77	8463.00	8065.04	7635.49	7195.40	6664.02	6254.94	5856.99	5464.30
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4993.78	4634.46	4295.02	3895.32	3600.36	3266.78	3019.23	2793.92	2593.19
45.0	5576.67	5196.86	4832.26	4398.61	4069.13	3761.30	3406.65	3147.40	2915.06
90.0	5313.90	4846.31	4487.56	4148.72	3841.48	3484.49	3219.38	2982.95	2768.76
135.0	5934.24	5535.70	5148.28	4679.52	4323.70	3992.46	3684.64	3334.09	3084.19
180.0	6734.83	6314.05	5895.62	5484.79	4987.93	4620.41	4265.18	3924.58	3555.30
225.0	6143.17	5631.68	5235.48	4852.16	4488.15	4066.20	3749.01	3384.41	3122.82
270.0	6441.04	6032.56	5531.02	5138.92	4670.74	4320.77	3987.20	3587.49	3313.60
315.0	5717.71	5327.36	4951.06	4500.44	4166.28	3775.34	3481.56	3212.94	2968.32
360.0	4993.78	4634.46	4295.02	3895.32	3600.36	3266.78	3019.23	2793.92	2593.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2364.37	2200.50	2049.52	1877.46	1753.98	1636.35	1516.96	1156.93	1156.93
45.0	2656.39	2470.29	2300.58	2105.70	1966.41	1838.25	1690.19	1579.58	1456.68
90.0	2527.65	2352.66	2192.31	2009.72	1876.29	1725.89	1614.11	1504.67	1160.68
135.0	2858.88	2655.22	2422.89	2256.69	2066.49	1927.20	1799.63	1653.90	1545.64
180.0	3290.19	3033.28	2744.18	2533.50	2305.26	2146.66	1996.85	1828.89	1713.01
225.0	2884.63	2614.26	2419.38	2242.64	2082.29	1903.80	1775.05	1656.83	1551.49
270.0	3068.98	2831.38	2555.15	2359.69	2187.04	2029.62	1855.22	1729.98	1615.86
315.0	2688.00	2485.51	2302.33	2132.03	1943.59	1810.16	1690.19	1581.92	1435.62
360.0	2364.37	2200.50	2049.52	1877.46	1753.98	1636.35	1516.96	1156.93	1156.93
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1093.61	941.69	823.12	707.13	569.54	468.53	377.70	278.51	209.57
45.0	1329.10	1171.68	1042.93	924.13	805.91	660.78	554.27	431.95	343.00
90.0	1160.68	1098.00	973.87	853.90	705.02	592.19	488.84	393.97	289.10
135.0	1429.76	1299.26	1146.51	1018.94	898.38	778.41	638.54	530.86	432.54
180.0	1604.75	1495.89	1341.98	1213.23	1082.72	956.90	836.35	690.04	579.43
225.0	1317.40	1151.55	1151.55	1024.26	870.29	751.72	611.33	510.55	417.32
270.0	1477.75	1350.76	1195.09	1064.00	938.17	786.02	668.39	559.53	459.46
315.0	1148.15	1148.15	1021.22	901.60	782.21	638.89	533.67	436.34	328.60
360.0	1093.61	941.69	823.12	707.13	569.54	468.53	377.70	278.51	209.57
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	153.56	114.82	93.64	84.21	75.79	69.17	62.44	57.88	53.72
45.0	300.86	300.86	123.72	97.62	87.55	77.19	70.46	64.90	60.34
90.0	218.00	147.59	107.62	92.06	81.23	73.45	67.53	62.56	57.24
135.0	324.27	304.38	304.38	118.68	94.10	84.57	74.32	67.59	62.50
180.0	455.95	369.92	311.98	311.98	147.77	109.38	89.31	80.18	72.04
225.0	315.38	244.57	184.23	126.53	101.77	90.53	81.17	71.40	65.19
270.0	369.92	309.64	309.64	150.58	113.42	92.06	82.87	74.50	66.36
315.0	251.94	188.85	136.77	98.67	86.91	78.30	70.70	63.56	58.99
360.0	153.56	114.82	93.64	84.21	75.79	69.17	62.44	57.88	53.72

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	49.22	45.94	42.49	40.03	37.86	35.99	34.18	32.95	32.07
45.0	55.30	51.62	48.34	44.71	42.08	39.74	37.28	35.64	34.29
90.0	53.37	49.92	46.88	43.48	41.14	39.03	37.28	35.41	34.24
135.0	58.11	53.14	49.63	46.53	43.66	40.61	38.51	36.64	34.82
180.0	65.90	59.69	55.65	51.97	48.63	44.89	42.43	40.09	37.57
225.0	60.16	55.77	50.86	47.46	43.54	40.85	38.51	35.93	34.18
270.0	61.27	55.83	51.91	48.28	45.06	41.55	39.15	36.99	34.70
315.0	53.90	50.21	46.94	43.37	40.85	38.62	36.28	34.65	33.24
360.0	49.22	45.94	42.49	40.03	37.86	35.99	34.18	32.95	32.07
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.60	31.31	31.54	31.84	32.25	32.25	31.72	30.20	28.50
45.0	33.01	32.36	32.07	32.19	32.66	33.01	33.30	33.01	31.95
90.0	33.30	32.83	32.89	33.36	33.77	34.29	34.06	33.24	31.78
135.0	33.59	32.66	32.25	32.13	32.48	32.95	33.36	33.42	32.83
180.0	35.76	34.00	32.89	32.19	31.66	31.54	31.84	32.19	32.71
225.0	32.83	31.66	30.72	30.31	30.31	30.55	31.02	31.37	31.25
270.0	33.18	31.95	31.08	30.43	30.31	30.61	31.13	31.66	31.78
315.0	32.13	31.37	30.96	31.08	31.37	31.89	32.42	32.30	31.66
360.0	31.60	31.31	31.54	31.84	32.25	32.25	31.72	30.20	28.50
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.51	23.82	22.00	20.42	19.08	18.38	17.85	17.38	16.91
45.0	30.31	28.44	25.52	23.41	21.30	19.96	19.14	18.32	17.85
90.0	29.73	26.98	24.58	22.59	20.95	19.61	18.90	18.20	17.79
135.0	31.66	29.85	27.68	24.81	22.65	21.07	19.61	18.73	18.14
180.0	32.60	32.01	30.84	28.97	26.45	24.17	21.83	20.37	19.31
225.0	30.49	29.09	27.33	24.64	22.71	20.72	19.49	18.67	18.08
270.0	31.19	30.20	28.44	25.87	23.53	21.71	20.19	18.84	18.20
315.0	30.26	27.86	25.52	23.35	21.48	19.72	18.73	18.08	17.67
360.0	26.51	23.82	22.00	20.42	19.08	18.38	17.85	17.38	16.91
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.56	16.27	15.98	15.51	15.22	14.81	14.28	13.93	13.52
45.0	17.44	17.09	16.68	16.33	15.98	15.63	15.27	14.75	14.28
90.0	17.38	16.91	16.62	16.27	15.92	15.45	15.04	14.57	14.16
135.0	17.62	17.21	16.85	16.44	16.15	15.74	15.45	14.98	14.51
180.0	18.38	17.85	17.44	16.97	16.62	16.33	15.98	15.57	15.22
225.0	17.62	17.15	16.85	16.50	16.21	15.80	15.51	15.16	14.75
270.0	17.79	17.32	16.85	16.56	16.27	15.92	15.63	15.22	14.92
315.0	17.21	16.80	16.50	16.09	15.86	15.51	15.04	14.69	14.28
360.0	16.56	16.27	15.98	15.51	15.22	14.81	14.28	13.93	13.52
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.17	12.93	12.70	12.41	12.17	11.94	11.82	11.76	11.70
45.0	13.75	13.28	12.93	12.70	12.41	12.17	12.00	11.76	11.65
90.0	13.58	13.17	12.82	12.58	12.29	12.11	11.94	11.76	11.70
135.0	14.16	13.69	13.28	12.93	12.58	12.29	12.11	12.00	11.76
180.0	14.81	14.40	13.93	13.46	13.11	12.87	12.58	12.23	12.11
225.0	14.40	13.99	13.58	13.17	12.76	12.41	12.17	12.06	11.82
270.0	14.51	14.05	13.69	13.28	12.93	12.70	12.23	12.11	11.94
315.0	13.87	13.58	13.23	12.93	12.70	12.41	12.17	11.94	11.82
360.0	13.17	12.93	12.70	12.41	12.17	11.94	11.82	11.76	11.70

Intensity data(cd)

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