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Nata

Client:

LumCAT: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024809-B006

Ballast type: AC

Test No: 2024809-C006

Voltage(V): 36.590

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.695

Lamp flux(lm): 3120.0

Power (W): 25.430

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2914.77, Efficiency(%): 93.42% , Luminous Efficacy(lm/W): 114.62

Central intensity(cd): 13639.920, Maximum intensity(cd): 13639.920

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=51.4

[C90/270]Total=51.4

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

Maximum s/h(1/4): C0_180=0.36 C90_270=0.36

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.42%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.236%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/9
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	13639.916	0.000	0	0.00%	0.00%
1.0	13550.074	13.010	13.01	0.42%	0.45%
2.0	13245.724	38.460	51.47	1.23%	1.77%
3.0	12660.946	61.960	113.43	1.99%	3.89%
4.0	11726.549	81.633	195.063	2.62%	6.69%
5.0	11305.681	99.083	294.146	3.18%	10.09%
6.0	10432.756	114.241	408.387	3.66%	14.01%
7.0	9268.484	122.285	530.673	3.92%	18.21%
8.0	8182.713	124.895	655.568	4.00%	22.49%
9.0	7107.606	123.920	779.487	3.97%	26.74%
10.0	6190.857	120.346	899.834	3.86%	30.87%
11.0	5422.742	116.044	1015.877	3.72%	34.85%
12.0	4809.791	111.856	1127.733	3.59%	38.69%
13.0	4329.245	108.457	1236.191	3.48%	42.41%
14.0	3881.833	105.101	1341.292	3.37%	46.02%
15.0	3531.379	101.772	1443.064	3.26%	49.51%
16.0	3193.881	98.544	1541.608	3.16%	52.89%
17.0	2901.509	94.922	1636.529	3.04%	56.15%
18.0	2677.744	91.990	1728.519	2.95%	59.30%
19.0	2559.275	91.113	1819.632	2.92%	62.43%
20.0	2296.534	88.875	1908.507	2.85%	65.48%
21.0	2056.994	83.597	1992.104	2.68%	68.35%
22.0	1885.943	79.235	2071.339	2.54%	71.06%
23.0	1736.199	76.002	2147.341	2.44%	73.67%
24.0	1580.614	72.517	2219.858	2.32%	76.16%
25.0	1458.386	69.100	2288.959	2.21%	78.53%
26.0	1323.557	65.668	2354.627	2.10%	80.78%
27.0	1181.743	61.293	2415.919	1.96%	82.89%
28.0	1113.996	58.123	2474.043	1.86%	84.88%
29.0	1012.459	55.634	2529.677	1.78%	86.79%
30.0	901.611	51.680	2581.356	1.66%	88.56%
31.0	780.139	46.801	2628.157	1.50%	90.17%
32.0	673.983	41.659	2669.816	1.34%	91.60%
33.0	572.622	36.725	2706.541	1.18%	92.86%
34.0	469.928	31.551	2738.092	1.01%	93.94%
35.0	378.641	26.353	2764.445	0.84%	94.84%
36.0	296.663	21.502	2785.947	0.69%	95.58%
37.0	232.799	17.268	2803.215	0.55%	96.17%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	200.624	14.467	2817.682	0.46%	96.67%
39.0	106.610	10.487	2828.169	0.34%	97.03%
40.0	76.222	6.377	2834.546	0.20%	97.25%
41.0	63.147	4.963	2839.508	0.16%	97.42%
42.0	56.281	4.339	2843.847	0.14%	97.57%
43.0	50.972	3.973	2847.82	0.13%	97.70%
44.0	46.472	3.678	2851.498	0.12%	97.83%
45.0	42.477	3.418	2854.917	0.11%	97.95%
46.0	38.916	3.183	2858.1	0.10%	98.06%
47.0	36.025	2.981	2861.08	0.10%	98.16%
48.0	33.390	2.806	2863.887	0.09%	98.25%
49.0	31.025	2.645	2866.532	0.08%	98.34%
50.0	29.192	2.511	2869.042	0.08%	98.43%
51.0	27.661	2.405	2871.448	0.08%	98.51%
52.0	26.564	2.327	2873.775	0.07%	98.59%
53.0	25.972	2.285	2876.06	0.07%	98.67%
54.0	25.526	2.270	2878.33	0.07%	98.75%
55.0	25.407	2.274	2880.603	0.07%	98.83%
56.0	25.565	2.303	2882.907	0.07%	98.91%
57.0	25.729	2.345	2885.252	0.08%	98.99%
58.0	25.933	2.389	2887.641	0.08%	99.07%
59.0	25.907	2.424	2890.065	0.08%	99.15%
60.0	25.375	2.423	2892.487	0.08%	99.24%
61.0	24.264	2.369	2894.856	0.08%	99.32%
62.0	22.884	2.272	2897.128	0.07%	99.39%
63.0	20.926	2.131	2899.259	0.07%	99.47%
64.0	18.377	1.929	2901.187	0.06%	99.53%
65.0	15.526	1.678	2902.865	0.05%	99.59%
66.0	12.773	1.412	2904.277	0.05%	99.64%
67.0	10.059	1.148	2905.425	0.04%	99.68%
68.0	8.482	0.939	2906.364	0.03%	99.71%
69.0	7.293	0.805	2907.169	0.03%	99.74%
70.0	6.491	0.708	2907.877	0.02%	99.76%
71.0	5.966	0.644	2908.521	0.02%	99.79%
72.0	5.558	0.599	2909.12	0.02%	99.81%
73.0	5.204	0.563	2909.683	0.02%	99.83%
74.0	4.888	0.531	2910.214	0.02%	99.84%
75.0	4.619	0.502	2910.716	0.02%	99.86%

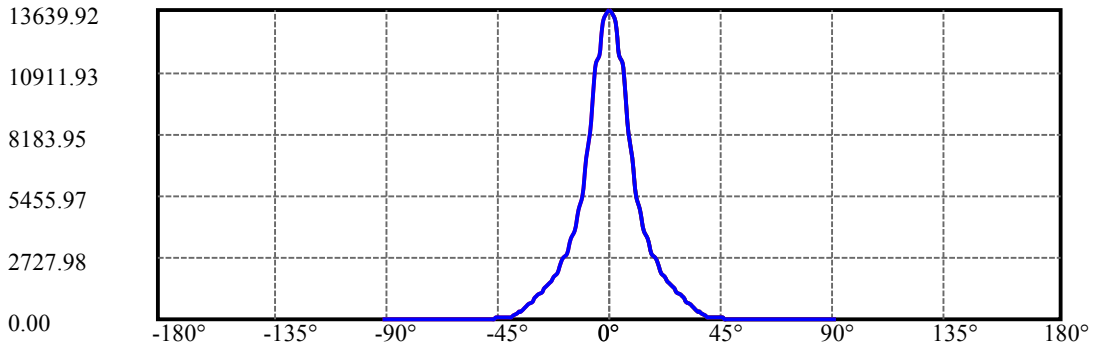
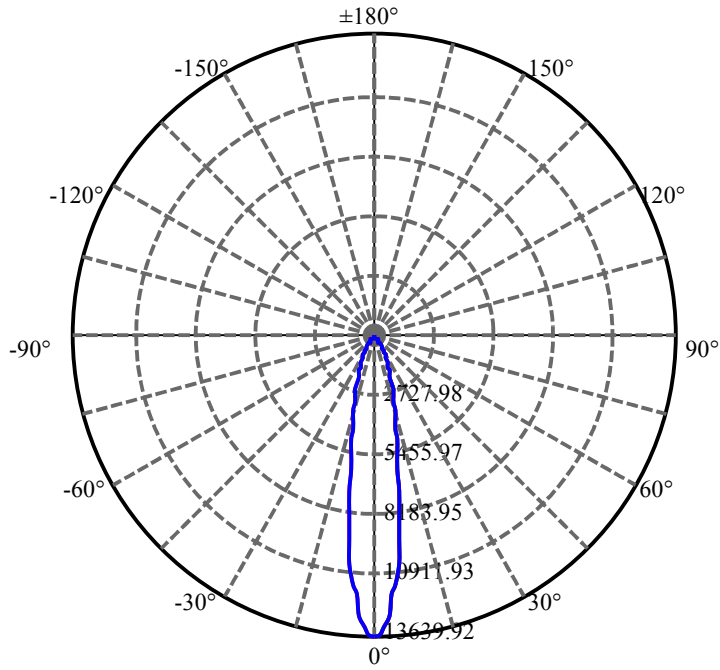
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.336	0.475	2911.191	0.02%	99.88%
77.0	4.087	0.449	2911.64	0.01%	99.89%
78.0	3.837	0.424	2912.065	0.01%	99.91%
79.0	3.509	0.395	2912.459	0.01%	99.92%
80.0	3.219	0.363	2912.822	0.01%	99.93%
81.0	2.898	0.331	2913.153	0.01%	99.94%
82.0	2.536	0.295	2913.447	0.01%	99.95%
83.0	2.234	0.259	2913.707	0.01%	99.96%
84.0	1.938	0.227	2913.934	0.01%	99.97%
85.0	1.675	0.197	2914.131	0.01%	99.98%
86.0	1.439	0.170	2914.301	0.01%	99.98%
87.0	1.248	0.147	2914.448	0.00%	99.99%
88.0	1.051	0.126	2914.574	0.00%	99.99%
89.0	0.887	0.106	2914.681	0.00%	100.00%
90.0	0.808	0.093	2914.774	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2581.36	82.74%	88.56%
0-40	2834.55	90.85%	97.25%
0-60	2892.49	92.71%	99.24%
0-90	2914.68	93.42%	100.00%
0-120	2914.68	93.42%	100.00%
0-180	2914.77	93.42%	100.00%
60-90	22.19	0.71%	0.76%
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%
0-25.65	2331.82	74.74%	80.00%

ZONAL LUMEN SUMMARY

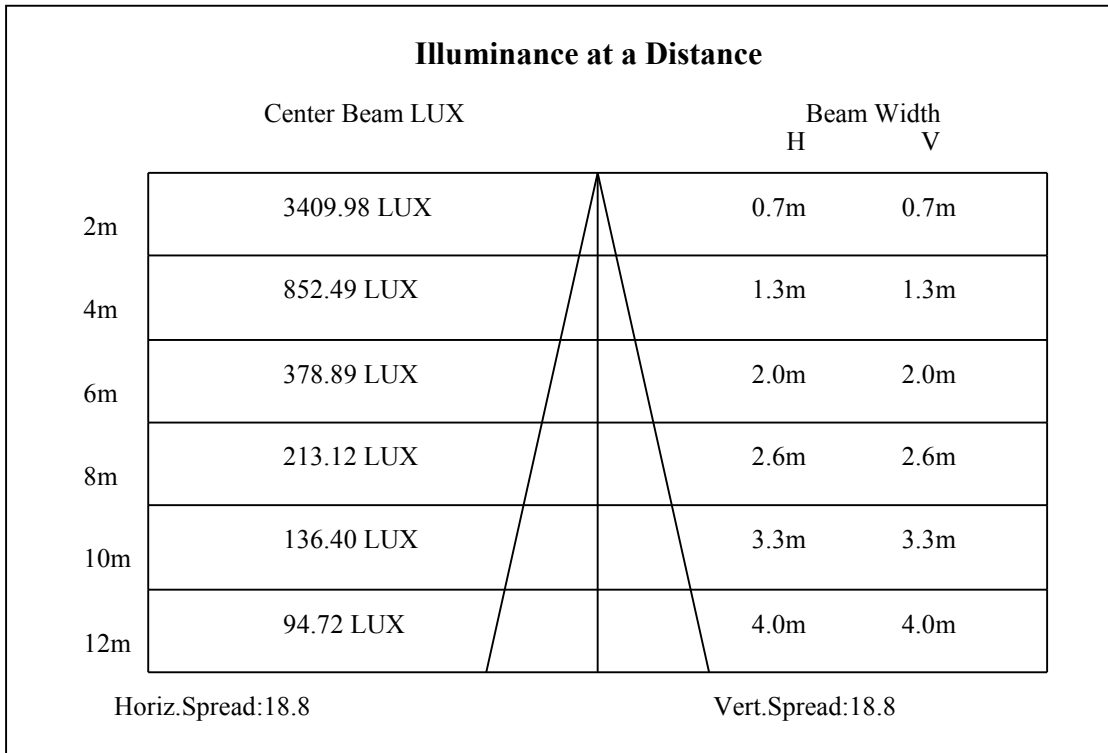
0-10	899.83
10-20	1008.67
20-30	672.85
30-40	253.19
40-50	34.50
50-60	23.44
60-70	15.39
70-80	4.94
80-90	1.86
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

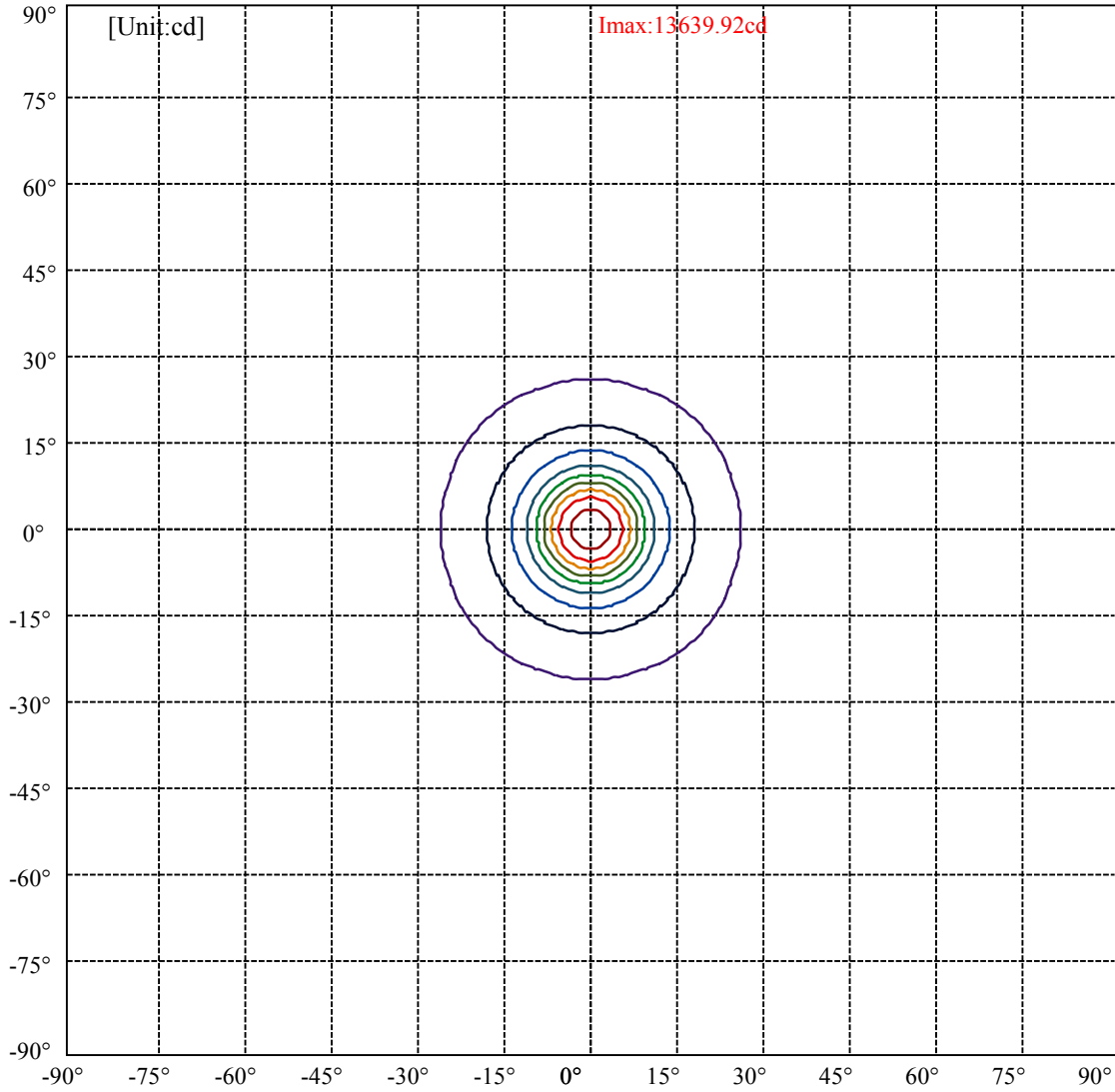


C0(Max): —————
C0/C180: —————
C90/C270: —————

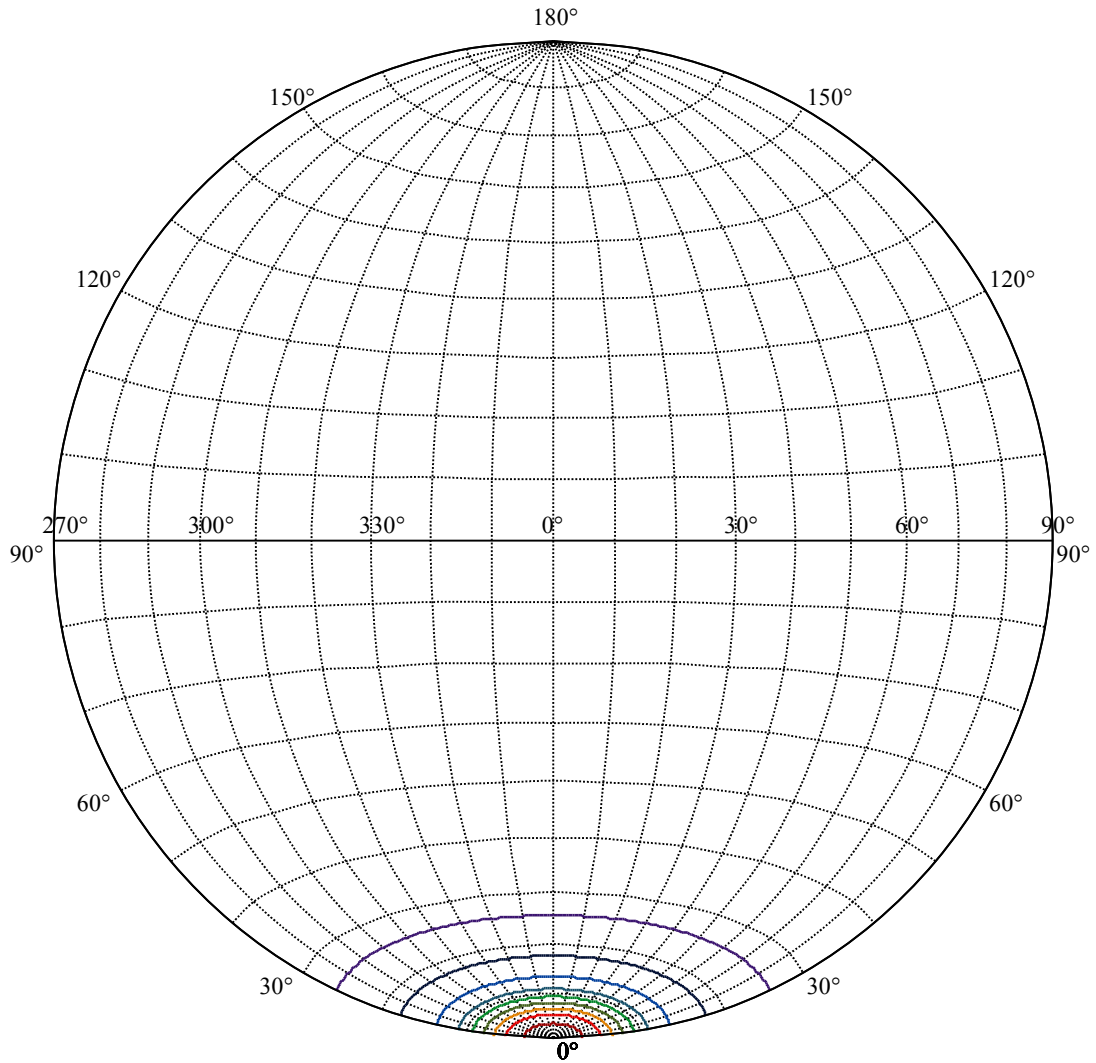
Field angle(10%Imax):C0/180Left:25.7 Right:25.7
:C90/270Left:25.7 Right:25.7

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 1363.99	—
(20%Imax) 2727.98	—
(30%Imax) 4091.97	—
(40%Imax) 5455.97	—
(50%Imax) 6819.96	—
(60%Imax) 8183.95	—
(70%Imax) 9547.94	—
(80%Imax) 10911.9	—
(90%Imax) 12275.9	—



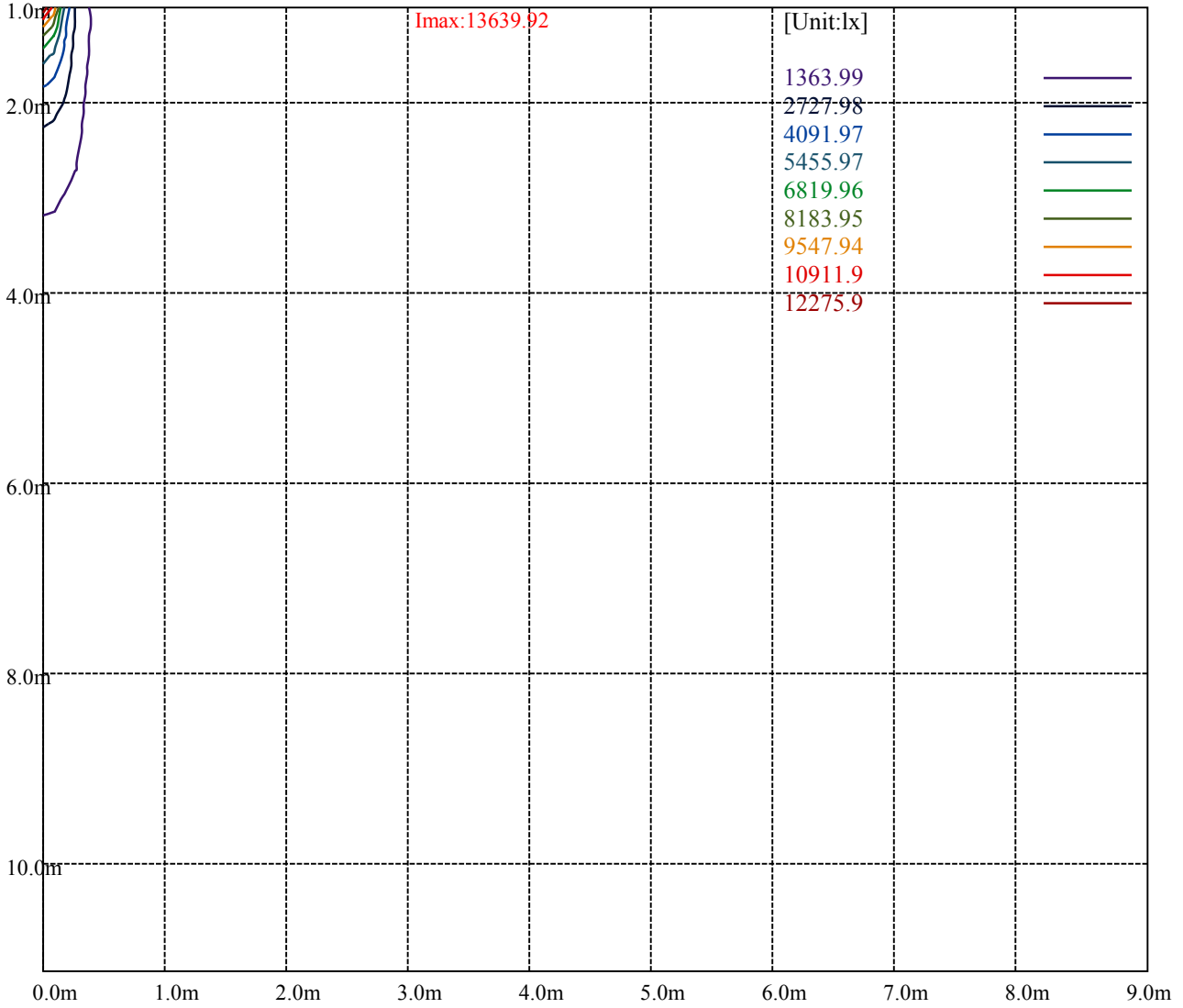
House

[Unit:cd]

Road

Imax:13639.92

(10%Imax) 1363.99	—
(20%Imax) 2727.98	—
(30%Imax) 4091.97	—
(40%Imax) 5455.97	—
(50%Imax) 6819.96	—
(60%Imax) 8183.95	—
(70%Imax) 9547.94	—
(80%Imax) 10911.9	—
(90%Imax) 12275.9	—



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

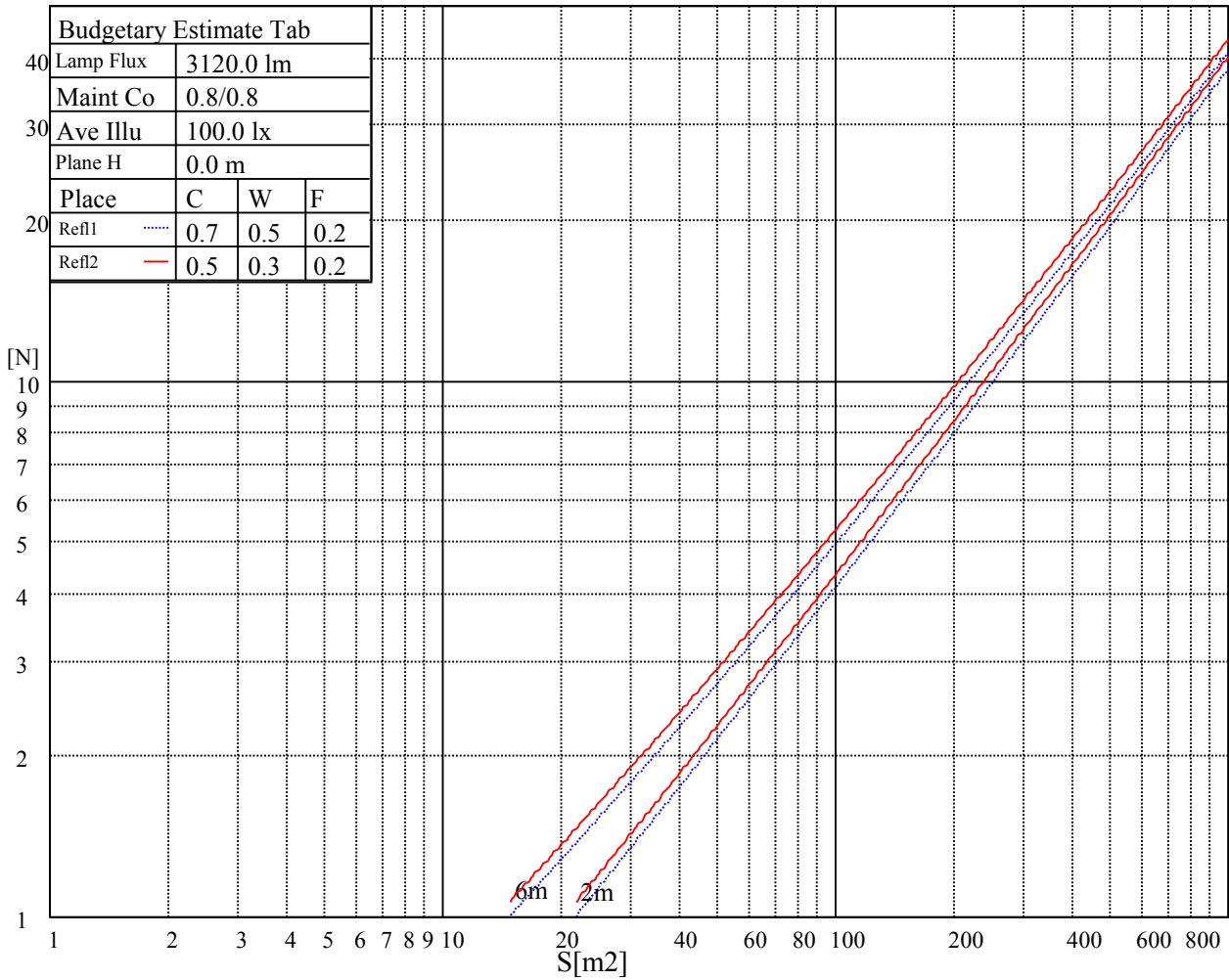
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

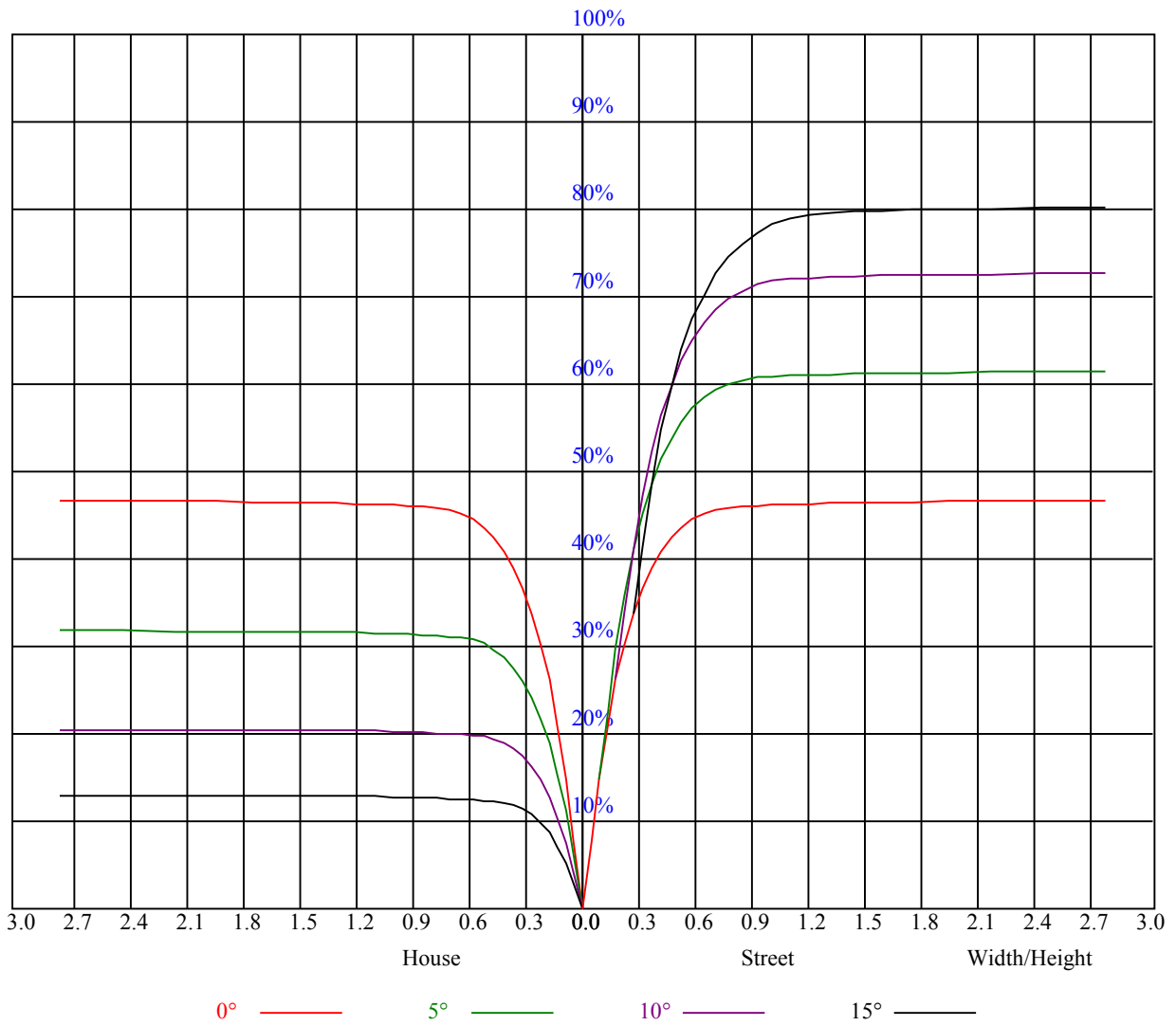


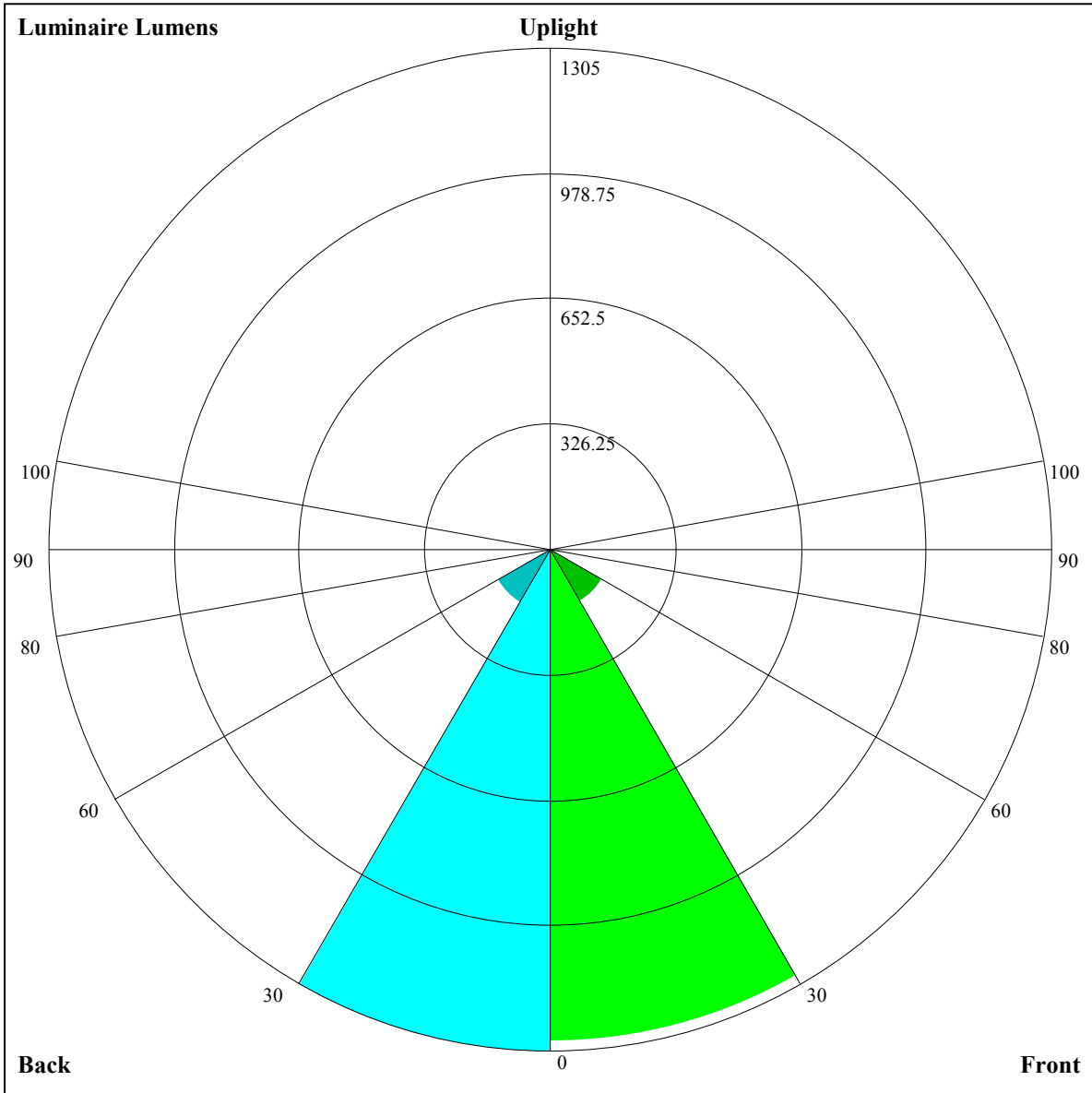
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.92	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.84	0.81	0.80	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.74	0.78	0.76	0.73	0.72
7	0.79	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
9	0.74	0.70	0.67	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1280.37,FM=154.63,FH=10.15,FVH=0.98

BL=1305,BM=160.13,BH=10.22,BVH=1.01

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	13648.27	13419.84	12985.25	12567.38	10839.33	10839.33	9730.58	8539.36	7411.10
45.0	13681.70	13637.13	13391.98	12979.68	12411.37	11614.63	11068.61	9541.99	8851.10
90.0	13559.13	13330.69	12779.10	10920.12	10920.12	10506.14	9392.97	8270.24	7181.56
135.0	13670.56	13603.70	13330.69	12890.53	12266.51	11486.48	10489.16	9380.41	8199.22
180.0	13648.27	13703.99	13542.41	13219.26	12712.24	12004.64	11135.47	10082.43	8912.39
225.0	13681.70	13503.41	13169.11	12667.67	11052.74	11052.74	9977.41	8821.30	7695.83
270.0	13559.13	13659.42	13547.98	13297.26	12823.67	12155.08	11313.76	10288.58	9135.26
315.0	13670.56	13542.41	13219.26	12745.67	10786.40	10786.40	10354.08	9223.56	8075.23
360.0	13648.27	13419.84	12985.25	12567.38	10839.33	10839.33	9730.58	8539.36	7411.10
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6407.68	5600.32	4945.66	4413.04	3981.24	3595.64	3253.57	2947.71	2690.25
45.0	7697.78	6667.03	5809.00	5140.40	4566.52	4109.65	3719.64	3357.48	3045.47
90.0	6253.31	5474.96	4848.73	4342.24	3925.53	3543.29	3213.99	2918.16	2662.97
135.0	7101.61	6148.87	5396.70	4783.82	4477.38	3870.07	3647.21	3301.77	2995.33
180.0	7770.21	6706.03	5825.71	5145.97	4577.67	4126.37	3730.78	3368.63	3045.47
225.0	6652.84	5964.74	5252.68	4673.75	4204.63	3807.36	3445.79	3116.48	2833.49
270.0	7993.07	6912.18	5992.86	5268.55	4683.53	4193.23	3792.07	3424.34	3112.33
315.0	6984.35	6052.73	5310.60	4710.55	4217.46	3809.05	3447.99	3116.48	2826.76
360.0	6407.68	5600.32	4945.66	4413.04	3981.24	3595.64	3253.57	2947.71	2690.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2547.65	2250.10	2130.31	1950.91	1729.15	1641.68	1506.86	1376.51	1238.85
45.0	2828.18	2828.18	2287.47	2099.14	1928.62	1832.80	1616.61	1531.93	1401.00
90.0	2518.69	2306.39	2036.17	1931.99	1768.15	1614.93	1475.11	1357.01	1228.28
135.0	2772.46	2772.46	2248.47	2061.82	1891.88	1735.88	1584.86	1445.00	1323.00
180.0	2778.03	2778.03	2580.50	2211.67	2028.39	1857.30	1705.76	1559.79	1418.29
225.0	2576.61	2357.11	2159.85	1984.92	1816.67	1661.19	1515.22	1380.92	1271.17
270.0	2828.18	2828.18	2772.46	2239.53	2048.41	1883.52	1728.04	1583.18	1438.90
315.0	2572.15	2353.75	2157.06	1975.98	1876.27	1662.29	1512.43	1432.75	1268.96
360.0	2547.65	2250.10	2130.31	1950.91	1729.15	1641.68	1506.86	1376.51	1238.85
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.62	1039.84	927.78	809.73	698.24	587.96	488.10	389.86	335.51
45.0	1290.67	1189.28	1075.06	960.84	841.63	726.26	617.61	515.69	418.19
90.0	1067.54	1022.03	903.65	784.29	673.33	566.78	505.18	371.93	285.05
135.0	1263.39	1117.43	1000.95	930.78	766.41	697.29	588.12	486.15	393.11
180.0	1295.72	1197.06	1085.63	970.30	852.20	737.40	628.23	546.86	426.54
225.0	1067.02	1067.02	1003.42	883.42	769.04	658.66	551.70	452.77	362.63
270.0	1314.64	1210.99	1102.92	990.38	871.70	759.16	649.41	545.76	447.67
315.0	1068.33	1068.33	1000.26	883.16	768.57	658.35	552.64	450.41	360.42
360.0	1086.62	1039.84	927.78	809.73	698.24	587.96	488.10	389.86	335.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	222.97	155.59	123.00	81.63	63.97	57.14	51.67	47.62	43.57
45.0	325.68	293.93	293.93	114.48	84.68	68.54	60.87	54.77	49.78
90.0	237.42	142.76	111.85	78.21	66.39	58.87	53.25	48.41	43.94
135.0	307.28	276.64	208.78	109.44	75.74	63.13	56.03	50.62	45.83
180.0	351.85	302.81	302.81	135.14	88.99	68.33	60.08	53.98	49.30
225.0	277.79	200.32	135.40	86.89	65.55	57.98	52.14	47.20	43.10
270.0	373.61	287.78	287.78	142.76	93.61	68.23	59.92	53.82	49.30
315.0	276.69	202.58	141.45	104.34	70.85	62.97	56.29	51.35	46.94
360.0	222.97	155.59	123.00	81.63	63.97	57.14	51.67	47.62	43.57

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	39.89	36.79	34.11	31.85	29.86	28.12	26.86	26.02	25.49
45.0	45.10	41.21	37.95	34.95	32.54	30.22	28.54	27.33	26.39
90.0	40.11	36.85	34.22	31.75	29.65	27.96	26.86	26.23	25.65
135.0	42.31	38.00	35.69	33.06	30.38	28.80	27.33	26.39	25.70
180.0	44.99	41.10	37.69	34.85	32.33	30.07	29.01	26.91	26.33
225.0	39.32	36.85	34.22	31.85	29.65	27.96	26.49	25.65	25.44
270.0	45.15	41.16	37.90	35.11	32.48	31.06	28.28	26.96	26.39
315.0	42.94	39.37	36.43	33.69	31.33	29.33	27.91	27.02	26.39
360.0	39.89	36.79	34.11	31.85	29.86	28.12	26.86	26.02	25.49
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.23	25.49	25.91	25.91	25.97	25.91	25.23	23.76	22.34
45.0	25.76	25.49	25.60	25.76	25.76	25.97	25.76	24.60	23.81
90.0	25.34	25.44	25.91	25.91	26.02	25.76	24.49	23.07	21.55
135.0	25.34	25.07	25.23	25.70	25.91	26.23	25.70	24.34	22.81
180.0	25.86	25.34	25.12	25.28	25.86	25.76	25.76	25.12	23.81
225.0	25.07	25.02	25.44	25.65	25.76	25.60	24.91	23.39	22.29
270.0	25.70	25.39	25.12	25.23	25.76	25.76	25.60	25.07	23.97
315.0	25.91	26.02	26.18	26.39	26.44	26.28	25.55	24.76	22.50
360.0	25.23	25.49	25.91	25.91	25.97	25.91	25.23	23.76	22.34
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.34	17.24	14.35	11.35	8.99	7.67	6.78	6.10	5.62
45.0	21.71	20.08	17.19	14.40	11.14	9.15	7.73	6.78	6.15
90.0	18.66	15.93	13.04	10.04	8.62	7.41	6.57	6.10	5.73
135.0	20.92	17.71	15.03	13.35	9.41	8.57	7.46	6.57	6.04
180.0	22.34	20.45	17.29	14.56	11.62	9.25	7.94	6.83	6.25
225.0	19.82	16.61	14.03	10.72	8.78	8.04	6.62	6.25	5.78
270.0	22.55	20.71	17.98	15.35	12.25	9.57	8.20	7.04	6.36
315.0	21.08	18.29	15.30	12.40	9.67	8.20	7.04	6.25	5.78
360.0	20.34	17.24	14.35	11.35	8.99	7.67	6.78	6.10	5.62
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.20	4.94	4.63	4.31	4.05	3.84	3.57	3.15	2.89
45.0	5.73	5.31	4.99	4.63	4.36	4.15	3.84	3.47	3.31
90.0	5.26	4.99	4.73	4.47	4.15	3.89	3.68	3.26	2.94
135.0	5.68	5.31	4.99	4.73	4.52	4.21	3.89	3.68	3.36
180.0	5.89	5.47	5.05	4.84	4.57	4.31	4.10	3.84	3.47
225.0	5.47	5.10	4.78	4.52	4.26	4.05	3.73	3.42	3.10
270.0	5.83	5.47	5.20	4.94	4.57	4.31	4.15	3.89	3.57
315.0	5.41	5.05	4.73	4.52	4.21	3.94	3.73	3.36	3.10
360.0	5.20	4.94	4.63	4.31	4.05	3.84	3.57	3.15	2.89
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.63	2.26	2.05	1.73	1.52	1.31	1.16	0.95	0.79
45.0	2.89	2.52	2.26	1.89	1.58	1.37	1.21	1.05	0.84
90.0	2.63	2.26	1.94	1.79	1.47	1.26	1.10	0.95	0.84
135.0	3.00	2.63	2.26	1.94	1.73	1.47	1.26	1.00	0.84
180.0	3.21	2.79	2.42	2.10	1.79	1.52	1.31	1.10	0.89
225.0	2.79	2.42	2.16	1.89	1.58	1.42	1.16	1.00	0.79
270.0	3.26	2.94	2.63	2.26	2.00	1.79	1.52	1.31	1.16
315.0	2.79	2.47	2.16	1.89	1.73	1.37	1.26	1.05	0.95
360.0	2.63	2.26	2.05	1.73	1.52	1.31	1.16	0.95	0.79

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.79
45.0	0.68
90.0	1.00
135.0	0.84
180.0	0.68
225.0	0.68
270.0	0.95
315.0	0.84
360.0	0.79