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NT

Client:

LumCAT: 2-2687-L

Luminaire: 92.70.412.00

Report No: 2024320-B009

Ballast type: AC

Test No: 2024320-C009

Voltage(V): 35.170

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2717.0

Power (W): 15.861

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2254.25, Efficiency(%): 82.97% , Luminous Efficacy(lm/W): 142.13

Central intensity(cd): 9016.620, Maximum intensity(cd): 9016.620

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.8

[C90/270]Total=21.8

Field angle(10%Imax): [C0/180]Total=54.6

[C90/270]Total=54.6

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(%): 82.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.918%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/20
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	9016.620	0.000	0	0.00%	0.00%
1.0	8950.417	8.597	8.597	0.32%	0.38%
2.0	8751.221	25.407	34.004	0.94%	1.51%
3.0	8455.170	41.152	75.156	1.51%	3.33%
4.0	8041.269	55.219	130.375	2.03%	5.78%
5.0	7549.461	67.071	197.445	2.47%	8.76%
6.0	7033.293	76.636	274.082	2.82%	12.16%
7.0	6513.320	84.084	358.165	3.09%	15.89%
8.0	5972.865	89.361	447.526	3.29%	19.85%
9.0	5429.410	92.409	539.936	3.40%	23.95%
10.0	4949.453	93.925	633.861	3.46%	28.12%
11.0	4485.077	94.270	728.131	3.47%	32.30%
12.0	4053.985	93.344	821.475	3.44%	36.44%
13.0	3645.864	91.378	912.853	3.36%	40.49%
14.0	3277.904	88.624	1001.477	3.26%	44.43%
15.0	2956.615	85.590	1087.067	3.15%	48.22%
16.0	2665.612	82.381	1169.448	3.03%	51.88%
17.0	2422.012	79.228	1248.676	2.92%	55.39%
18.0	2184.118	75.945	1324.621	2.80%	58.76%
19.0	2008.697	72.946	1397.568	2.68%	62.00%
20.0	1835.909	70.367	1467.935	2.59%	65.12%
21.0	1680.239	67.517	1535.452	2.48%	68.11%
22.0	1523.984	64.390	1599.842	2.37%	70.97%
23.0	1384.423	61.026	1660.868	2.25%	73.68%
24.0	1241.928	57.421	1718.29	2.11%	76.22%
25.0	1171.372	54.873	1773.163	2.02%	78.66%
26.0	1054.722	52.547	1825.71	1.93%	80.99%
27.0	941.356	48.834	1874.545	1.80%	83.16%
28.0	816.521	44.506	1919.05	1.64%	85.13%
29.0	699.929	39.675	1958.725	1.46%	86.89%
30.0	587.595	34.763	1993.488	1.28%	88.43%
31.0	486.468	29.890	2023.377	1.10%	89.76%
32.0	387.309	25.033	2048.41	0.92%	90.87%
33.0	307.726	20.476	2068.886	0.75%	91.78%
34.0	257.799	17.114	2086.001	0.63%	92.54%
35.0	201.551	14.266	2100.266	0.53%	93.17%
36.0	155.165	11.358	2111.624	0.42%	93.67%
37.0	122.795	9.065	2120.69	0.33%	94.08%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	108.501	7.720	2128.41	0.28%	94.42%
39.0	96.686	7.004	2135.414	0.26%	94.73%
40.0	86.643	6.394	2141.808	0.24%	95.01%
41.0	77.674	5.851	2147.659	0.22%	95.27%
42.0	69.678	5.354	2153.012	0.20%	95.51%
43.0	62.780	4.907	2157.919	0.18%	95.73%
44.0	56.862	4.516	2162.435	0.17%	95.93%
45.0	51.690	4.172	2166.606	0.15%	96.11%
46.0	47.198	3.867	2170.474	0.14%	96.28%
47.0	43.138	3.593	2174.067	0.13%	96.44%
48.0	39.803	3.353	2177.42	0.12%	96.59%
49.0	36.591	3.137	2180.557	0.12%	96.73%
50.0	34.097	2.947	2183.504	0.11%	96.86%
51.0	31.917	2.793	2186.297	0.10%	96.99%
52.0	30.000	2.657	2188.954	0.10%	97.10%
53.0	28.369	2.539	2191.493	0.09%	97.22%
54.0	27.015	2.441	2193.934	0.09%	97.32%
55.0	25.816	2.358	2196.292	0.09%	97.43%
56.0	24.821	2.288	2198.58	0.08%	97.53%
57.0	24.060	2.235	2200.815	0.08%	97.63%
58.0	23.380	2.194	2203.009	0.08%	97.73%
59.0	22.897	2.163	2205.173	0.08%	97.82%
60.0	22.597	2.149	2207.322	0.08%	97.92%
61.0	22.341	2.145	2209.466	0.08%	98.01%
62.0	21.990	2.136	2211.602	0.08%	98.11%
63.0	21.507	2.115	2213.718	0.08%	98.20%
64.0	20.754	2.074	2215.792	0.08%	98.29%
65.0	19.707	2.002	2217.794	0.07%	98.38%
66.0	18.735	1.918	2219.712	0.07%	98.47%
67.0	17.849	1.840	2221.552	0.07%	98.55%
68.0	17.191	1.775	2223.327	0.07%	98.63%
69.0	16.789	1.733	2225.06	0.06%	98.71%
70.0	16.562	1.713	2226.773	0.06%	98.78%
71.0	16.518	1.710	2228.483	0.06%	98.86%
72.0	16.247	1.704	2230.186	0.06%	98.93%
73.0	15.911	1.682	2231.868	0.06%	99.01%
74.0	15.582	1.656	2233.524	0.06%	99.08%
75.0	15.260	1.630	2235.153	0.06%	99.15%

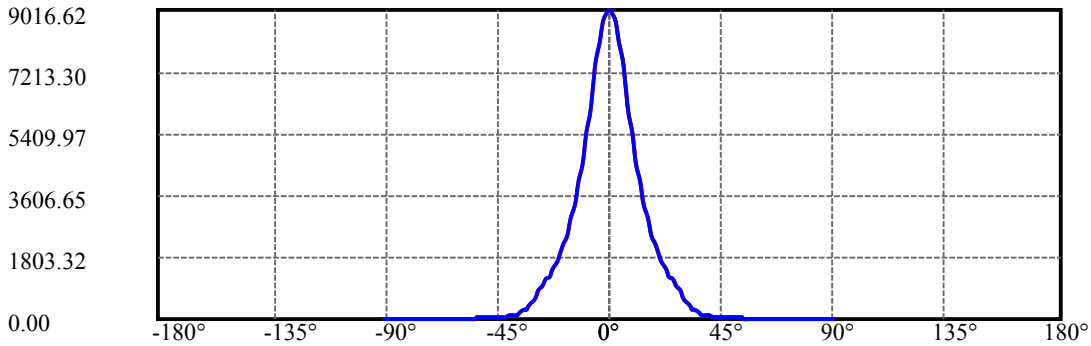
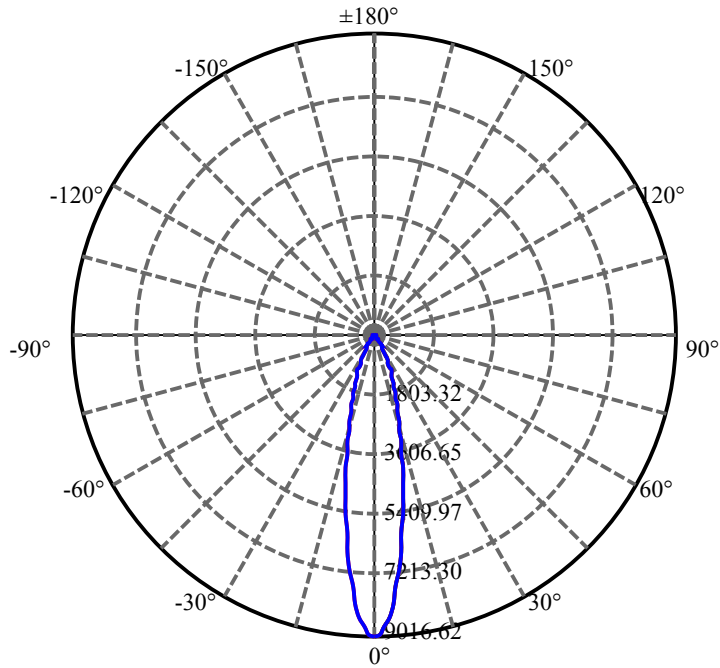
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.931	1.603	2236.756	0.06%	99.22%
77.0	14.411	1.564	2238.32	0.06%	99.29%
78.0	13.958	1.519	2239.839	0.06%	99.36%
79.0	13.248	1.462	2241.3	0.05%	99.43%
80.0	12.699	1.399	2242.699	0.05%	99.49%
81.0	11.917	1.331	2244.031	0.05%	99.55%
82.0	11.280	1.258	2245.288	0.05%	99.60%
83.0	10.951	1.209	2246.497	0.04%	99.66%
84.0	10.710	1.180	2247.677	0.04%	99.71%
85.0	10.424	1.153	2248.83	0.04%	99.76%
86.0	10.132	1.124	2249.954	0.04%	99.81%
87.0	9.898	1.096	2251.05	0.04%	99.86%
88.0	9.795	1.079	2252.129	0.04%	99.91%
89.0	9.649	1.066	2253.195	0.04%	99.95%
90.0	9.634	1.057	2254.252	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1993.49	73.37%	88.43%
0-40	2141.81	78.83%	95.01%
0-60	2207.32	81.24%	97.92%
0-90	2253.19	82.93%	99.95%
0-120	2253.19	82.93%	99.95%
0-180	2254.25	82.97%	100.00%
60-90	45.87	1.69%	2.03%
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%
0-25.58	1803.40	66.37%	80.00%

ZONAL LUMEN SUMMARY

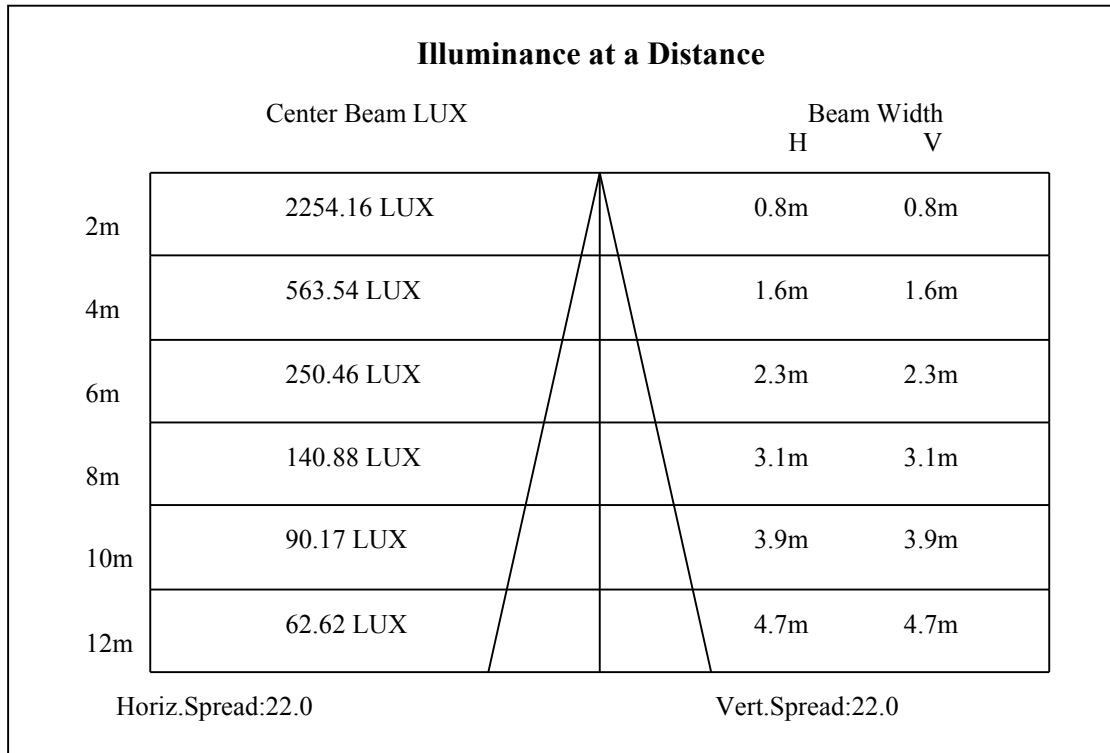
0-10	633.86
10-20	834.07
20-30	525.55
30-40	148.32
40-50	41.70
50-60	23.82
60-70	19.45
70-80	15.93
80-90	10.50
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

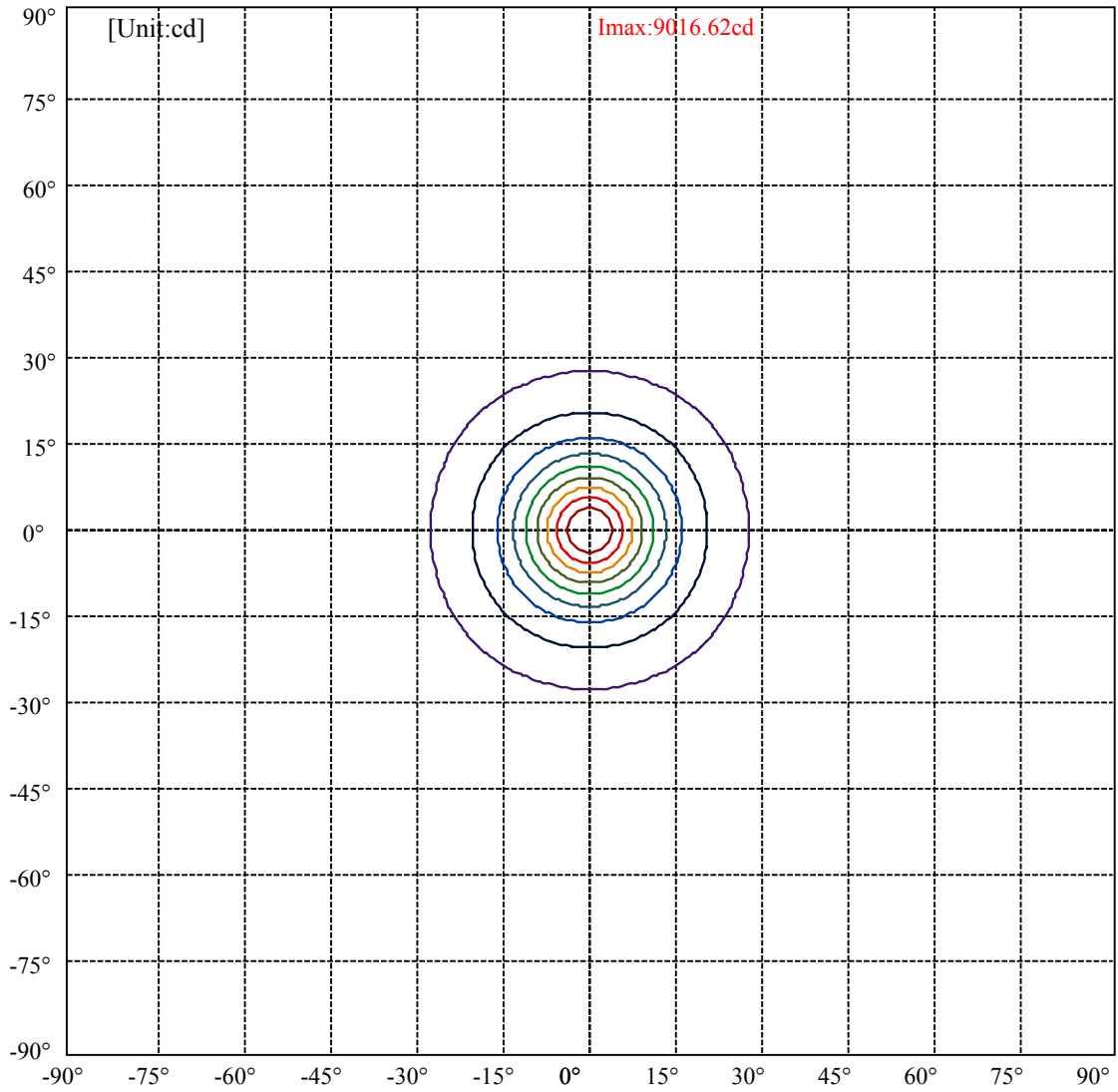


C0(Max): —————
C0/C180: —————
C90/C270: —————

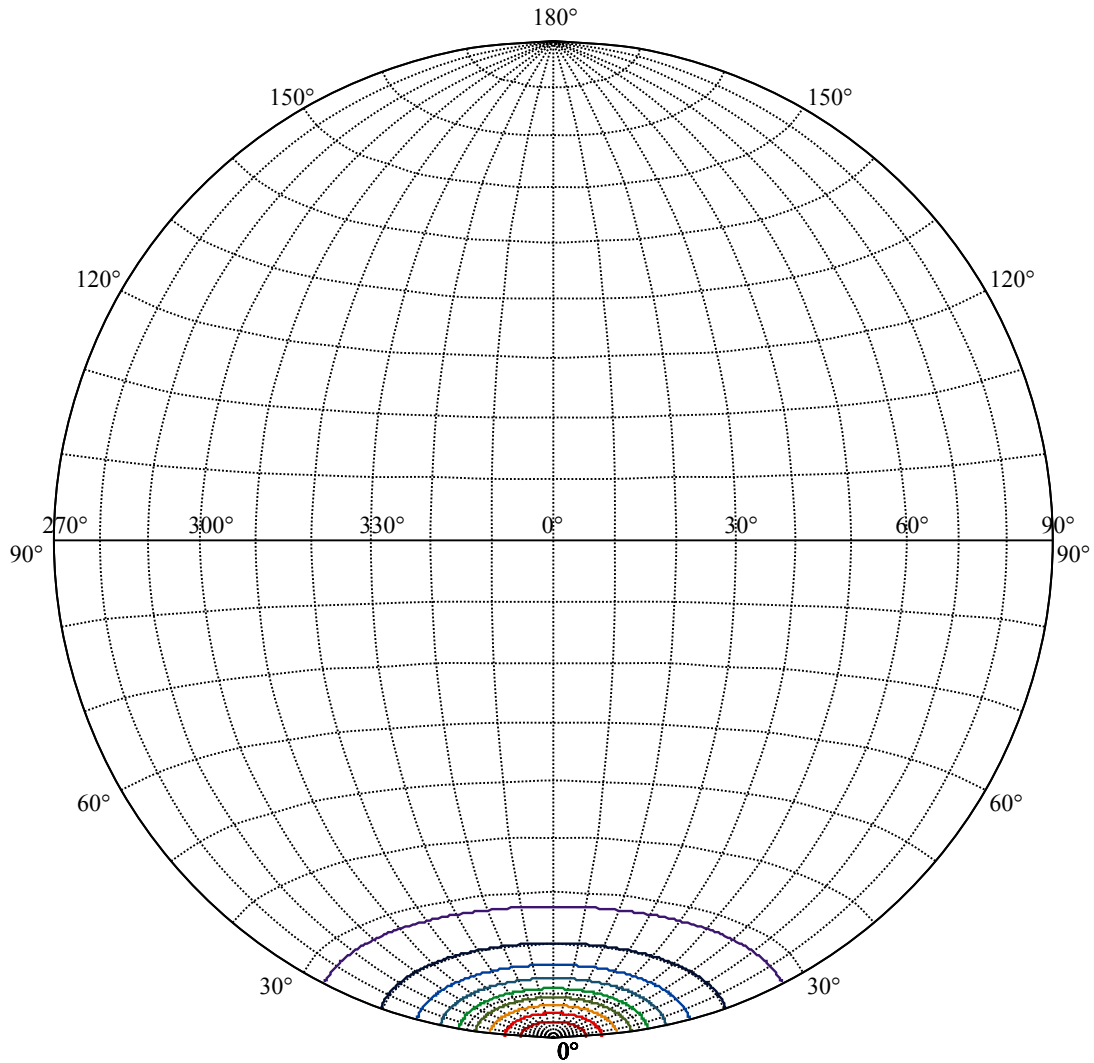
Field angle(10%Imax):C0/180Left:27.3 Right:27.3
:C90/270Left:27.3 Right:27.3

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9





(10%Imax) 901.662	—
(20%Imax) 1803.32	—
(30%Imax) 2704.99	—
(40%Imax) 3606.65	—
(50%Imax) 4508.31	—
(60%Imax) 5409.97	—
(70%Imax) 6311.63	—
(80%Imax) 7213.3	—
(90%Imax) 8114.96	—



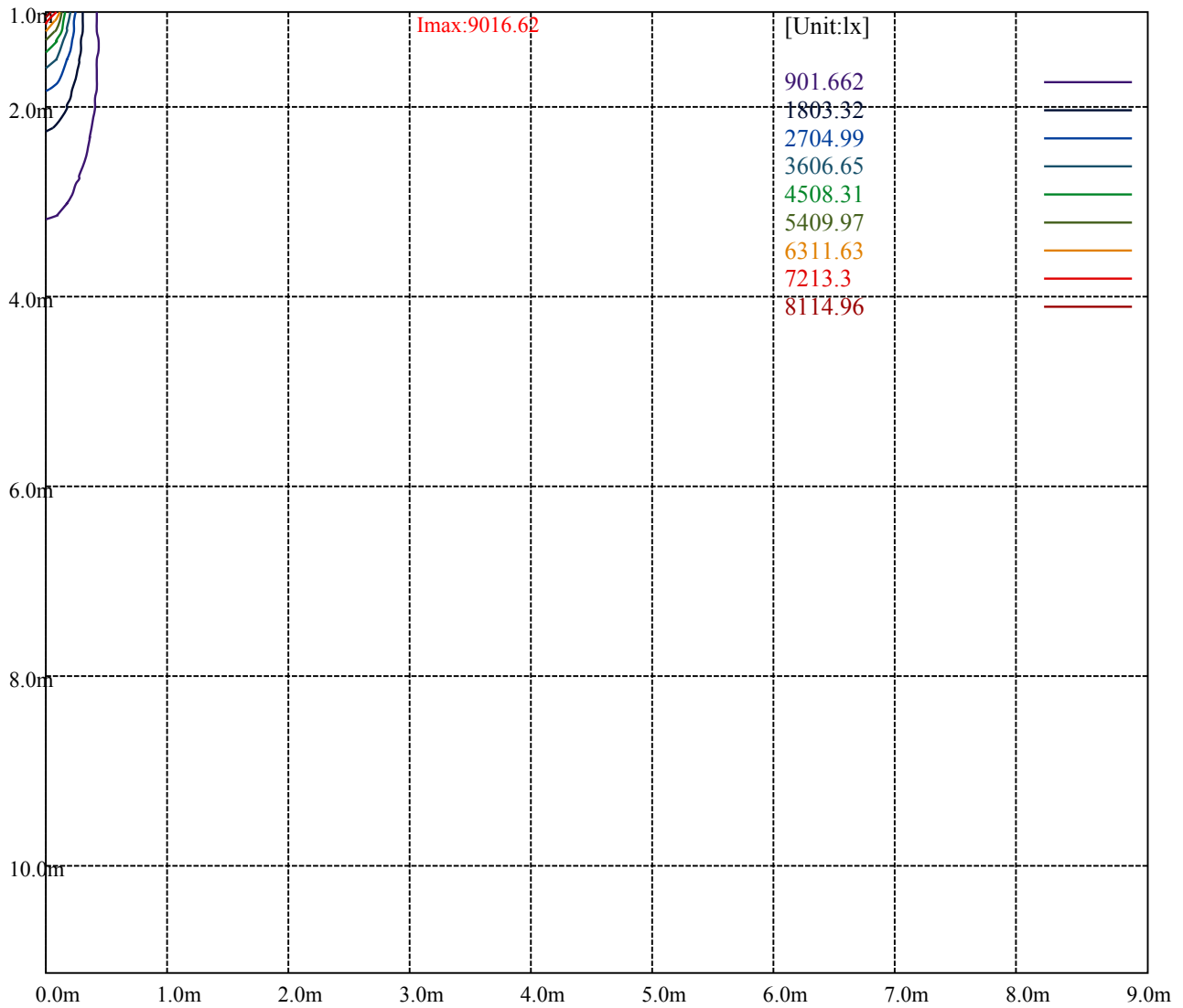
House

[Unit:cd]

Road

Imax:9016.62

(10%Imax)	901.662	—
(20%Imax)	1803.32	—
(30%Imax)	2704.99	—
(40%Imax)	3606.65	—
(50%Imax)	4508.31	—
(60%Imax)	5409.97	—
(70%Imax)	6311.63	—
(80%Imax)	7213.3	—
(90%Imax)	8114.96	—



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

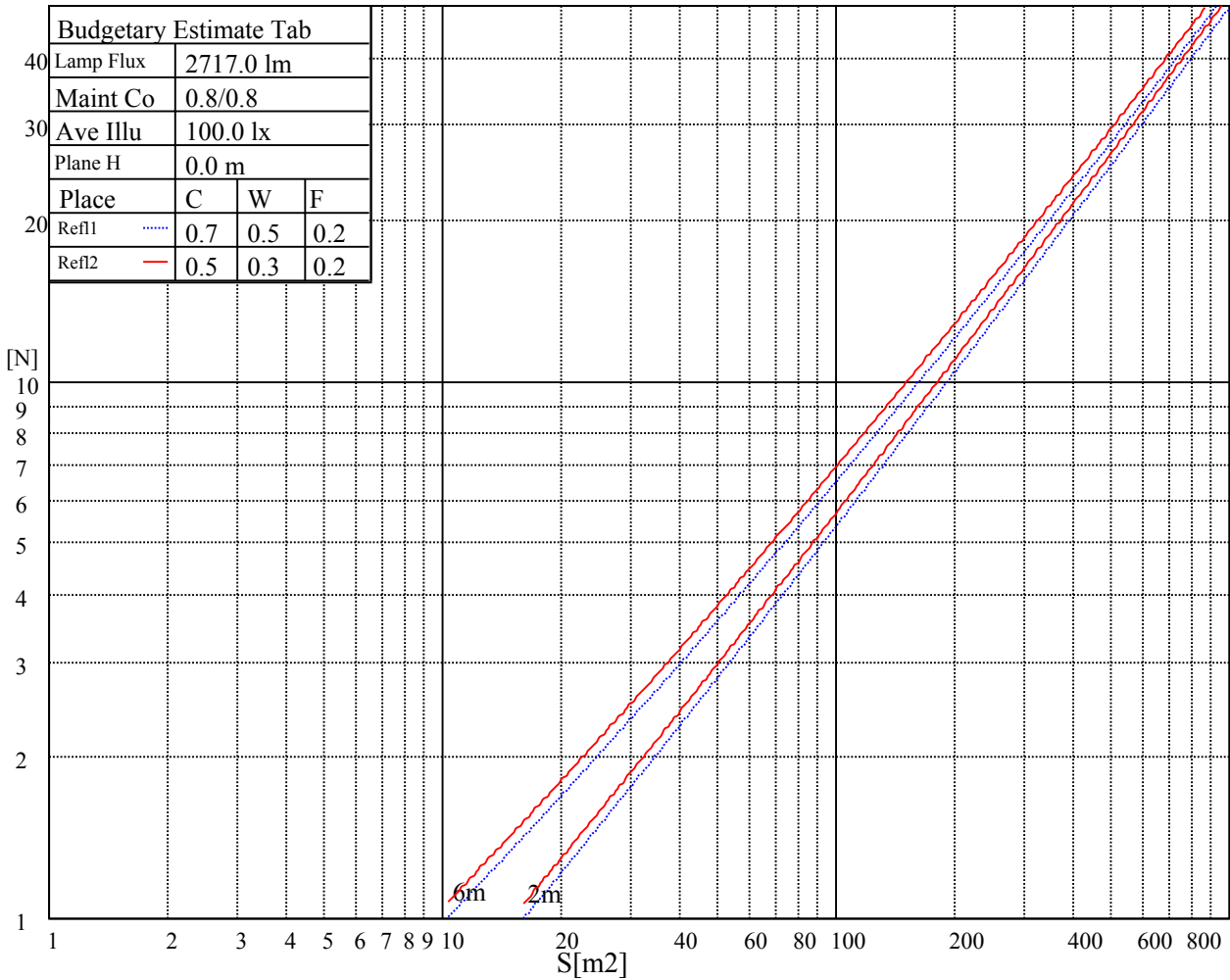
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

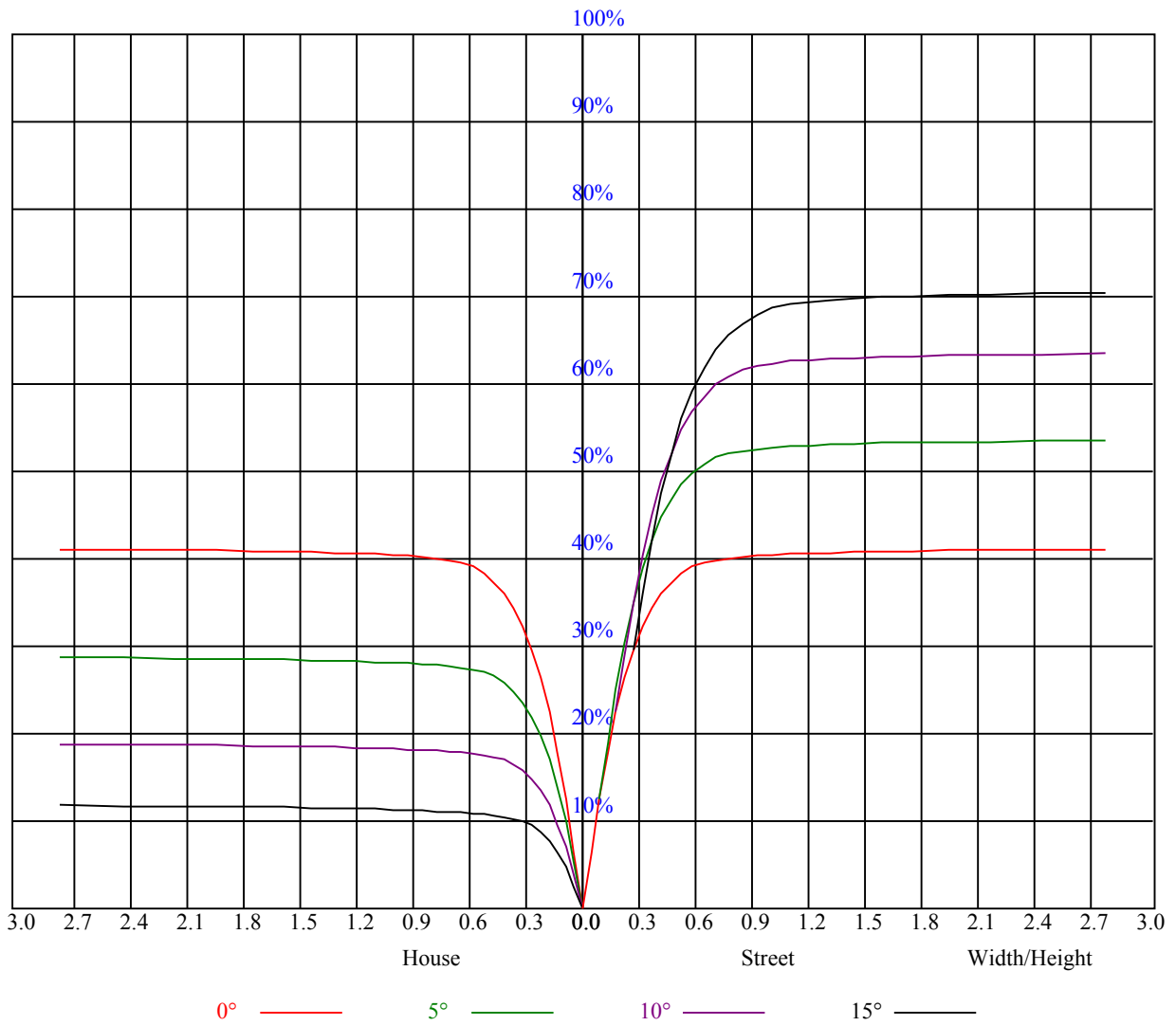


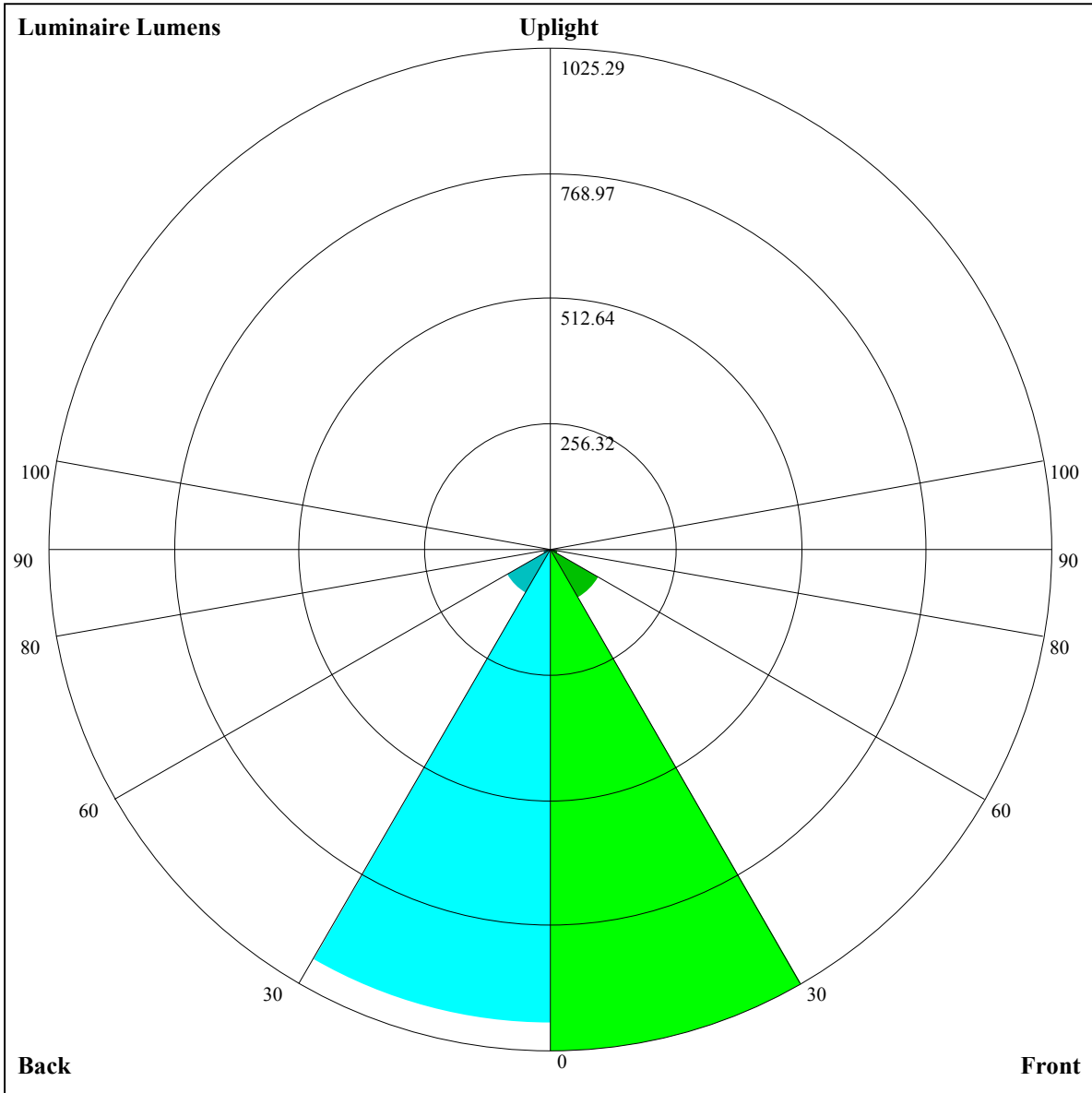
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.96	0.96	0.96	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	0.84	0.83	0.83	0.82	0.81	0.80	0.79
2	0.87	0.85	0.82	0.86	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.79	0.77	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	0.72	0.78	0.75	0.72	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.70	0.68
5	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.66
6	0.72	0.68	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	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	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.59
9	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.56
10	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.60	0.57	0.55	0.55





Luminaire Lumens:

FL=1025.29,FM=112.54,FH=16.97,FVH=5.77

BL=970.07,BM=103.21,BH=17.93,BVH=5.8

UL=0,UH=0

BUG Rating:B2-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	9065.78	9040.03	8903.09	8645.00	8200.82	7758.97	7280.84	6777.55	6274.26
45.0	8956.93	9047.64	9027.74	8896.06	8555.46	8189.11	7748.44	7253.34	6627.73
90.0	9013.69	8917.13	8643.83	8293.28	7868.41	7389.69	6774.04	6273.67	5663.87
135.0	9030.08	8990.87	8790.72	8499.28	8112.45	7535.42	7038.56	6537.61	5927.22
180.0	9065.78	8949.90	8650.27	8307.33	7891.82	7303.67	6803.88	6285.38	5789.69
225.0	8956.93	8693.58	8385.75	7991.89	7417.20	6925.03	6292.98	5794.96	5305.71
270.0	9013.69	9001.40	8880.26	8581.80	8247.05	7837.98	7370.97	6733.07	6242.07
315.0	9030.08	8962.78	8728.10	8426.71	8036.95	7455.83	6956.63	6450.99	5952.38
360.0	9065.78	9040.03	8903.09	8645.00	8200.82	7758.97	7280.84	6777.55	6274.26
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5655.67	5174.03	4707.61	4277.47	3783.54	3433.57	3035.04	2750.62	2501.90
45.0	6137.31	5644.55	5052.31	4604.02	4187.93	3707.46	3359.84	3042.64	2698.53
90.0	5189.25	4732.77	4211.92	3825.09	3470.44	3078.34	2803.29	2556.32	2337.45
135.0	5450.84	4987.35	4554.28	4050.40	3681.12	3340.52	3032.69	2697.36	2463.86
180.0	5191.59	4730.43	4302.05	3906.44	3454.06	3132.18	2840.74	2537.01	2316.96
225.0	4837.53	4299.71	3905.26	3545.35	3216.46	2852.45	2600.21	2374.90	2173.00
270.0	5629.34	5148.28	4695.90	4177.39	3791.15	3432.99	3106.43	2757.05	2503.65
315.0	5343.75	4878.49	4451.28	4045.72	3582.22	3245.72	2874.68	2608.99	2380.75
360.0	5655.67	5174.03	4707.61	4277.47	3783.54	3433.57	3035.04	2750.62	2501.90
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2240.89	2058.29	1894.43	1745.20	1567.29	1434.44	1167.35	1167.35	1084.54
45.0	2462.10	2258.44	2036.06	1880.39	1734.67	1594.21	1430.35	1320.33	1219.08
90.0	2108.04	1944.76	1797.28	1659.17	1492.97	1377.68	1148.50	1148.50	1035.73
135.0	2216.31	2043.66	1887.99	1708.33	1570.22	1443.22	1338.47	1214.40	1104.96
180.0	2082.29	1921.94	1773.88	1588.94	1464.88	1353.68	1247.17	1127.20	1008.99
225.0	1951.20	1794.94	1616.45	1481.26	1286.38	1158.34	1132.35	1024.38	884.57
270.0	2283.61	2095.75	1886.24	1731.15	1600.06	1426.84	1317.40	1214.99	1085.07
315.0	2128.52	1951.78	1794.94	1647.47	1475.41	1286.97	1153.83	1153.83	1014.84
360.0	2240.89	2058.29	1894.43	1745.20	1567.29	1434.44	1167.35	1167.35	1084.54
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	969.07	855.89	746.34	616.53	518.33	407.90	328.08	239.77	183.70
45.0	1111.99	967.44	852.15	711.11	607.52	511.55	400.94	320.18	302.03
90.0	919.97	778.41	671.25	569.60	451.38	364.83	287.58	219.52	158.89
135.0	990.26	866.19	726.32	626.25	533.20	421.42	335.39	295.60	295.60
180.0	898.96	786.60	652.00	549.58	454.19	347.68	308.47	308.47	157.60
225.0	774.43	665.75	563.28	468.12	358.57	279.56	213.90	155.55	130.27
270.0	966.85	828.15	713.45	609.28	509.79	392.74	311.98	311.98	227.42
315.0	899.32	783.73	674.65	550.29	458.76	372.79	275.47	211.32	156.90
360.0	969.07	855.89	746.34	616.53	518.33	407.90	328.08	239.77	183.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	148.41	130.21	117.28	103.06	93.46	84.62	76.61	68.12	62.15
45.0	302.03	151.57	127.29	114.35	103.12	91.00	82.40	74.73	66.42
90.0	134.31	120.26	108.03	94.75	85.62	77.37	68.41	62.03	55.13
135.0	142.21	124.36	108.33	97.03	87.20	76.49	69.23	62.79	57.12
180.0	127.17	113.71	99.02	88.95	79.88	71.81	63.26	57.59	52.55
225.0	116.17	101.36	91.18	82.17	71.98	65.14	59.17	52.73	48.34
270.0	137.35	121.26	109.14	98.32	86.26	77.43	67.94	61.57	56.01
315.0	133.67	119.62	107.74	94.86	85.62	77.54	70.40	62.68	57.18
360.0	148.41	130.21	117.28	103.06	93.46	84.62	76.61	68.12	62.15

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	56.94	51.15	47.11	43.54	39.62	36.93	34.00	32.01	30.26
45.0	60.63	55.60	49.86	45.82	42.25	38.33	35.64	33.30	31.25
90.0	50.21	45.88	42.14	38.04	35.23	32.77	30.72	28.68	27.27
135.0	50.86	46.53	42.66	39.39	35.93	33.53	31.54	29.44	28.03
180.0	48.22	43.66	40.50	37.69	34.82	32.83	31.08	29.55	27.92
225.0	44.54	41.14	37.51	35.00	32.83	31.02	29.03	27.68	26.22
270.0	49.86	45.65	42.02	38.92	35.52	33.24	31.25	29.50	27.68
315.0	52.26	47.99	43.31	40.03	36.52	34.12	32.07	29.85	28.32
360.0	56.94	51.15	47.11	43.54	39.62	36.93	34.00	32.01	30.26
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.73	27.45	26.04	25.16	24.40	23.70	23.23	22.94	22.53
45.0	29.20	27.80	26.57	25.52	24.46	23.76	23.23	22.82	22.59
90.0	26.10	24.76	23.99	23.23	22.65	22.30	22.18	21.83	21.48
135.0	26.57	25.57	24.70	23.99	23.17	22.82	22.59	22.47	22.06
180.0	26.80	25.57	24.81	24.11	23.58	23.17	22.94	22.77	22.36
225.0	25.22	24.35	23.41	22.94	22.53	22.36	22.12	21.77	21.36
270.0	26.45	25.40	24.29	23.58	22.94	22.36	22.12	22.00	21.71
315.0	27.04	25.63	24.76	23.94	23.29	22.71	22.36	22.12	21.83
360.0	28.73	27.45	26.04	25.16	24.40	23.70	23.23	22.94	22.53
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.06	21.48	20.25	19.31	18.20	17.32	16.68	16.33	16.15
45.0	22.12	21.65	20.95	19.61	18.73	17.79	16.91	16.15	15.63
90.0	21.07	19.84	18.90	18.02	17.03	16.21	15.57	15.04	14.63
135.0	21.89	21.24	20.01	19.08	18.08	17.73	17.85	18.20	19.14
180.0	21.77	20.89	19.66	18.90	18.26	18.08	18.20	18.67	19.20
225.0	20.42	19.37	18.55	17.73	17.15	16.85	16.91	17.21	17.44
270.0	21.30	20.83	19.90	18.73	17.79	16.91	16.21	15.51	14.98
315.0	21.42	20.72	19.43	18.49	17.56	16.62	15.98	15.39	14.98
360.0	22.06	21.48	20.25	19.31	18.20	17.32	16.68	16.33	16.15
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.63	15.10	14.57	14.16	13.58	13.17	12.82	12.41	12.11
45.0	15.39	15.04	14.69	14.28	13.87	13.40	12.99	12.64	12.23
90.0	14.22	13.99	13.58	13.28	13.05	12.64	12.35	12.06	11.76
135.0	19.25	18.96	18.73	18.67	18.55	17.97	16.85	15.22	14.81
180.0	19.08	18.79	18.49	18.38	18.08	17.21	16.85	15.45	14.28
225.0	17.26	17.03	16.85	16.33	15.98	15.10	14.63	13.69	12.41
270.0	14.63	14.22	13.87	13.46	13.17	12.87	12.47	12.17	11.88
315.0	14.51	14.16	13.87	13.52	13.17	12.93	12.70	12.35	12.11
360.0	15.63	15.10	14.57	14.16	13.58	13.17	12.82	12.41	12.11
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.76	11.47	11.06	10.83	10.53	10.36	10.01	9.83	9.83
45.0	12.00	11.59	11.29	10.94	10.65	10.48	10.18	9.89	9.77
90.0	11.41	11.12	10.89	10.59	10.36	10.01	9.89	9.77	9.54
135.0	13.28	11.41	11.00	10.83	10.48	10.12	9.89	9.71	9.48
180.0	12.06	11.29	10.83	10.65	10.30	9.95	9.77	10.18	9.83
225.0	11.47	10.94	10.65	10.48	10.12	9.89	9.77	9.60	9.71
270.0	11.59	11.29	11.06	10.71	10.53	10.18	9.89	9.71	9.54
315.0	11.76	11.12	10.83	10.65	10.42	10.07	9.77	9.66	9.48
360.0	11.76	11.47	11.06	10.83	10.53	10.36	10.01	9.83	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.60
45.0	9.66
90.0	9.71
135.0	9.66
180.0	9.66
225.0	9.66
270.0	9.60
315.0	9.54
360.0	9.60