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NT

Client:

LumCAT: 2-2678-L

Luminaire: 92.70.412.00

Report No: 2024316-B013

Ballast type: AC

Test No: 2024316-C013

Voltage(V): 35.080

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2703.0

Power (W): 15.821

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2291.54, Efficiency(%): 84.78% , Luminous Efficacy(lm/W): 144.84

Central intensity(cd): 9369.804, Maximum intensity(cd): 9369.804

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.4

[C90/270]Total=21.4

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.0

Maximum s/h(1/2): C0_180=0.36 C90_270=0.36

Maximum s/h(1/4): C0_180=0.39 C90_270=0.39

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.78%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.920%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/16
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	9369.803	0.000	0	0.00%	0.00%
1.0	9347.931	8.956	8.956	0.33%	0.39%
2.0	9235.128	26.672	35.628	0.99%	1.55%
3.0	9017.864	43.655	79.283	1.62%	3.46%
4.0	8661.096	59.177	138.461	2.19%	6.04%
5.0	8249.756	72.750	211.21	2.69%	9.22%
6.0	7742.439	84.043	295.253	3.11%	12.88%
7.0	7101.837	92.138	387.392	3.41%	16.91%
8.0	6451.945	97.002	484.393	3.59%	21.14%
9.0	5767.451	99.032	583.425	3.66%	25.46%
10.0	5134.530	98.659	682.084	3.65%	29.77%
11.0	4469.714	95.966	778.05	3.55%	33.95%
12.0	3947.109	92.008	870.058	3.40%	37.97%
13.0	3483.830	88.187	958.244	3.26%	41.82%
14.0	3069.344	83.880	1042.125	3.10%	45.48%
15.0	2744.105	79.810	1121.934	2.95%	48.96%
16.0	2455.516	76.189	1198.123	2.82%	52.28%
17.0	2219.232	72.798	1270.922	2.69%	55.46%
18.0	2007.600	69.691	1340.613	2.58%	58.50%
19.0	1833.130	66.821	1407.434	2.47%	61.42%
20.0	1660.488	63.943	1471.377	2.37%	64.21%
21.0	1525.155	61.171	1532.547	2.26%	66.88%
22.0	1386.676	58.514	1591.062	2.16%	69.43%
23.0	1277.195	55.895	1646.957	2.07%	71.87%
24.0	1195.344	54.059	1701.016	2.00%	74.23%
25.0	1133.947	52.963	1753.979	1.96%	76.54%
26.0	1060.486	51.800	1805.778	1.92%	78.80%
27.0	980.120	49.924	1855.702	1.85%	80.98%
28.0	888.993	47.322	1903.024	1.75%	83.05%
29.0	802.892	44.264	1947.289	1.64%	84.98%
30.0	709.212	40.827	1988.115	1.51%	86.76%
31.0	614.318	36.832	2024.947	1.36%	88.37%
32.0	527.924	32.724	2057.671	1.21%	89.79%
33.0	438.407	28.468	2086.14	1.05%	91.04%
34.0	357.697	24.092	2110.232	0.89%	92.09%
35.0	291.405	20.159	2130.391	0.75%	92.97%
36.0	239.613	16.908	2147.299	0.63%	93.71%
37.0	178.757	13.645	2160.943	0.50%	94.30%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	111.251	9.680	2170.623	0.36%	94.72%
39.0	82.092	6.599	2177.223	0.24%	95.01%
40.0	65.311	5.141	2182.364	0.19%	95.24%
41.0	57.579	4.376	2186.74	0.16%	95.43%
42.0	52.977	4.017	2190.757	0.15%	95.60%
43.0	49.591	3.799	2194.556	0.14%	95.77%
44.0	46.321	3.620	2198.176	0.13%	95.93%
45.0	43.643	3.457	2201.633	0.13%	96.08%
46.0	41.244	3.320	2204.953	0.12%	96.22%
47.0	38.800	3.184	2208.137	0.12%	96.36%
48.0	36.825	3.057	2211.194	0.11%	96.49%
49.0	35.121	2.955	2214.148	0.11%	96.62%
50.0	33.607	2.865	2217.014	0.11%	96.75%
51.0	32.407	2.793	2219.807	0.10%	96.87%
52.0	31.441	2.740	2222.546	0.10%	96.99%
53.0	30.644	2.701	2225.247	0.10%	97.11%
54.0	30.117	2.678	2227.925	0.10%	97.22%
55.0	29.678	2.669	2230.594	0.10%	97.34%
56.0	29.327	2.666	2233.261	0.10%	97.46%
57.0	28.969	2.665	2235.926	0.10%	97.57%
58.0	28.639	2.664	2238.59	0.10%	97.69%
59.0	28.179	2.656	2241.246	0.10%	97.81%
60.0	27.469	2.629	2243.875	0.10%	97.92%
61.0	26.481	2.575	2246.45	0.10%	98.03%
62.0	25.289	2.495	2248.945	0.09%	98.14%
63.0	23.884	2.392	2251.336	0.09%	98.25%
64.0	22.202	2.261	2253.598	0.08%	98.34%
65.0	20.607	2.119	2255.716	0.08%	98.44%
66.0	19.042	1.978	2257.694	0.07%	98.52%
67.0	17.908	1.858	2259.552	0.07%	98.60%
68.0	17.045	1.771	2261.323	0.07%	98.68%
69.0	16.664	1.720	2263.043	0.06%	98.76%
70.0	16.291	1.693	2264.735	0.06%	98.83%
71.0	15.918	1.665	2266.4	0.06%	98.90%
72.0	15.545	1.636	2268.036	0.06%	98.97%
73.0	15.223	1.609	2269.645	0.06%	99.04%
74.0	15.033	1.591	2271.235	0.06%	99.11%
75.0	14.806	1.577	2272.812	0.06%	99.18%

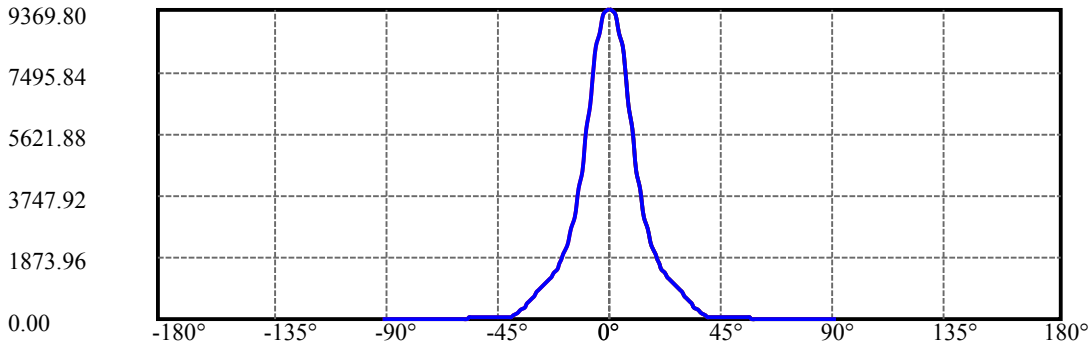
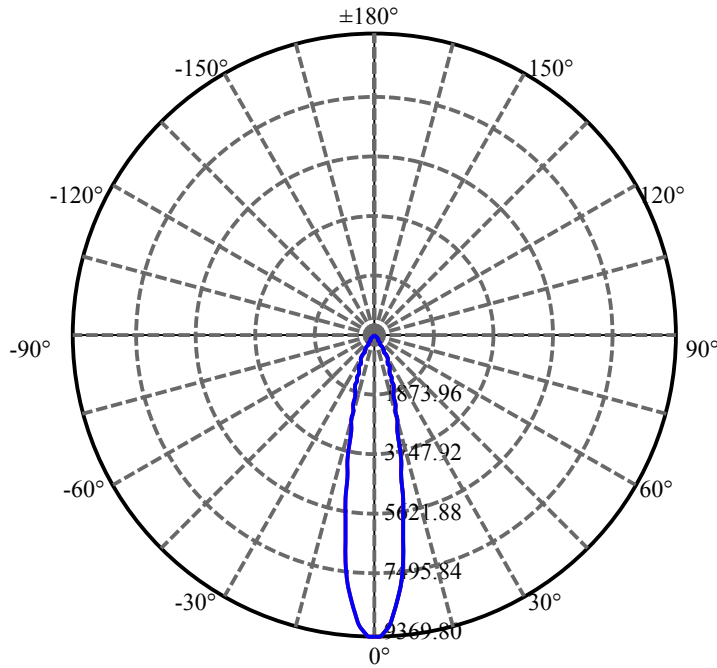
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.440	1.553	2274.365	0.06%	99.25%
77.0	13.987	1.516	2275.88	0.06%	99.32%
78.0	13.599	1.477	2277.357	0.05%	99.38%
79.0	13.051	1.432	2278.789	0.05%	99.44%
80.0	12.414	1.373	2280.162	0.05%	99.50%
81.0	11.873	1.313	2281.475	0.05%	99.56%
82.0	11.207	1.252	2282.727	0.05%	99.62%
83.0	10.893	1.201	2283.928	0.04%	99.67%
84.0	10.549	1.168	2285.096	0.04%	99.72%
85.0	10.256	1.135	2286.232	0.04%	99.77%
86.0	9.963	1.105	2287.337	0.04%	99.82%
87.0	9.722	1.077	2288.414	0.04%	99.86%
88.0	9.539	1.055	2289.469	0.04%	99.91%
89.0	9.422	1.039	2290.509	0.04%	99.96%
90.0	9.364	1.030	2291.539	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1988.12	73.55%	86.76%
0-40	2182.36	80.74%	95.24%
0-60	2243.88	83.01%	97.92%
0-90	2290.51	84.74%	99.96%
0-120	2290.51	84.74%	99.96%
0-180	2291.54	84.78%	100.00%
60-90	46.63	1.73%	2.04%
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%
0-26.55	1833.23	67.82%	80.00%

ZONAL LUMEN SUMMARY

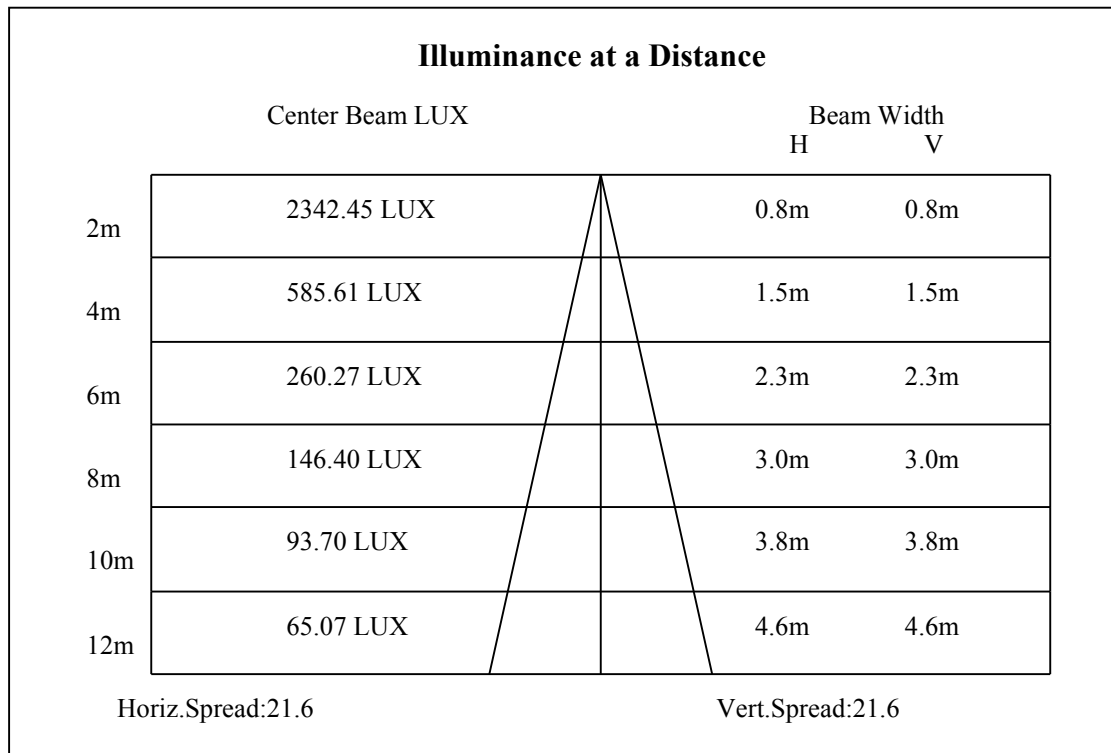
0-10	682.08
10-20	789.29
20-30	516.74
30-40	194.25
40-50	34.65
50-60	26.86
60-70	20.86
70-80	15.43
80-90	10.35
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

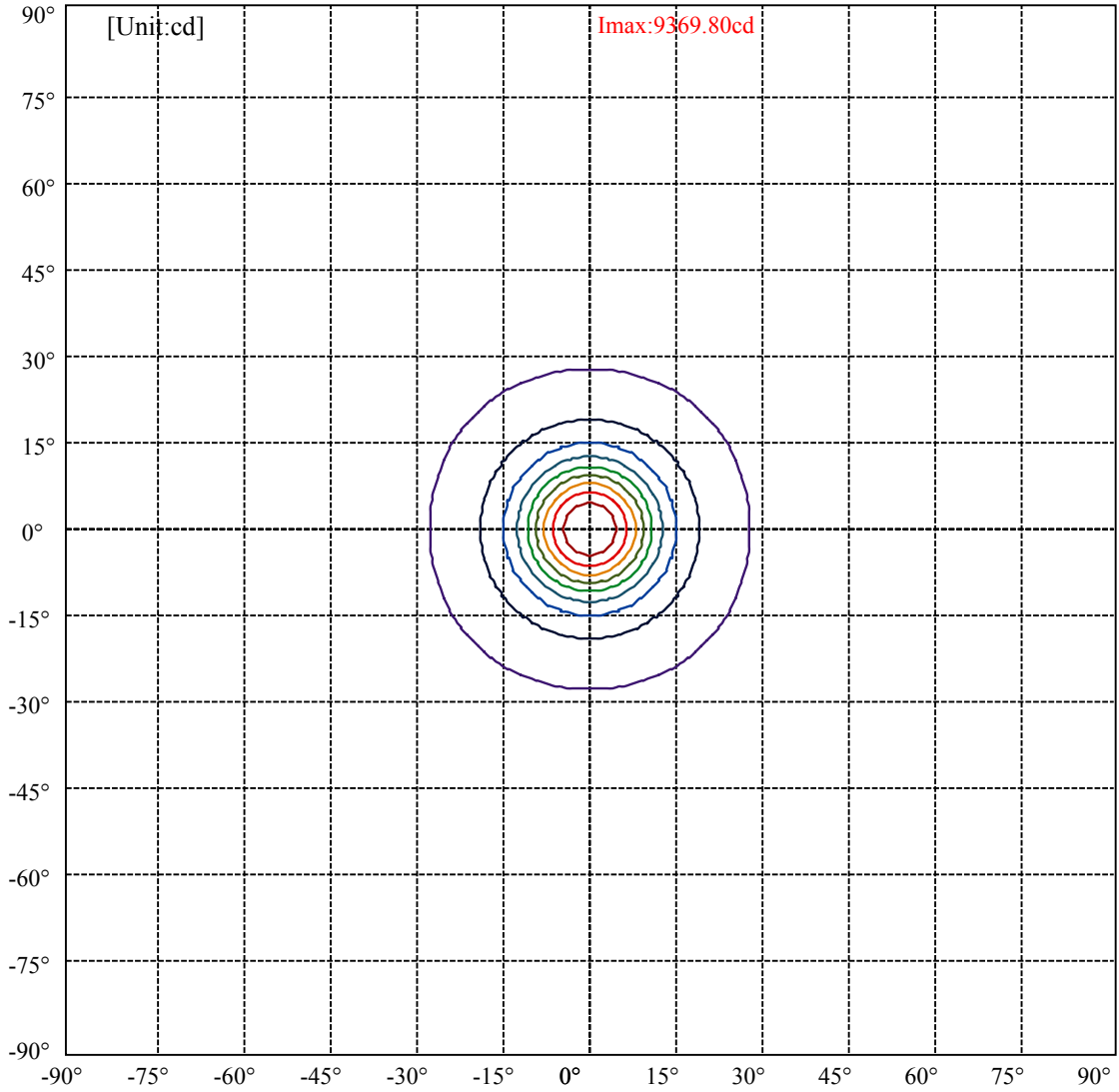


C0(Max): —————
C0/C180: —————
C90/C270: —————

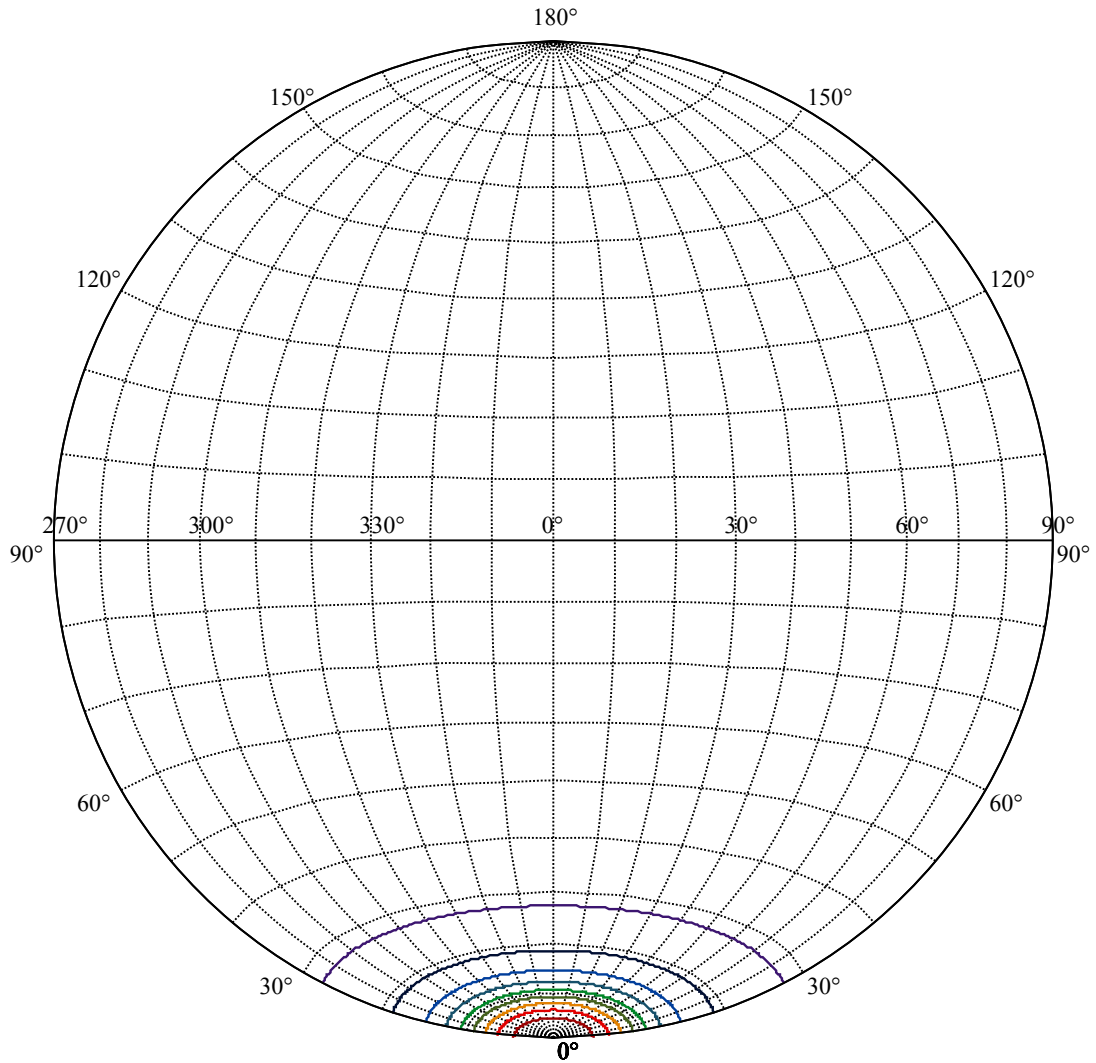
Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:10.7 Right:10.7
:C90/270Left:10.7 Right:10.7





(10%Imax) 936.98	—
(20%Imax) 1873.96	—
(30%Imax) 2810.94	—
(40%Imax) 3747.92	—
(50%Imax) 4684.9	—
(60%Imax) 5621.88	—
(70%Imax) 6558.86	—
(80%Imax) 7495.84	—
(90%Imax) 8432.82	—



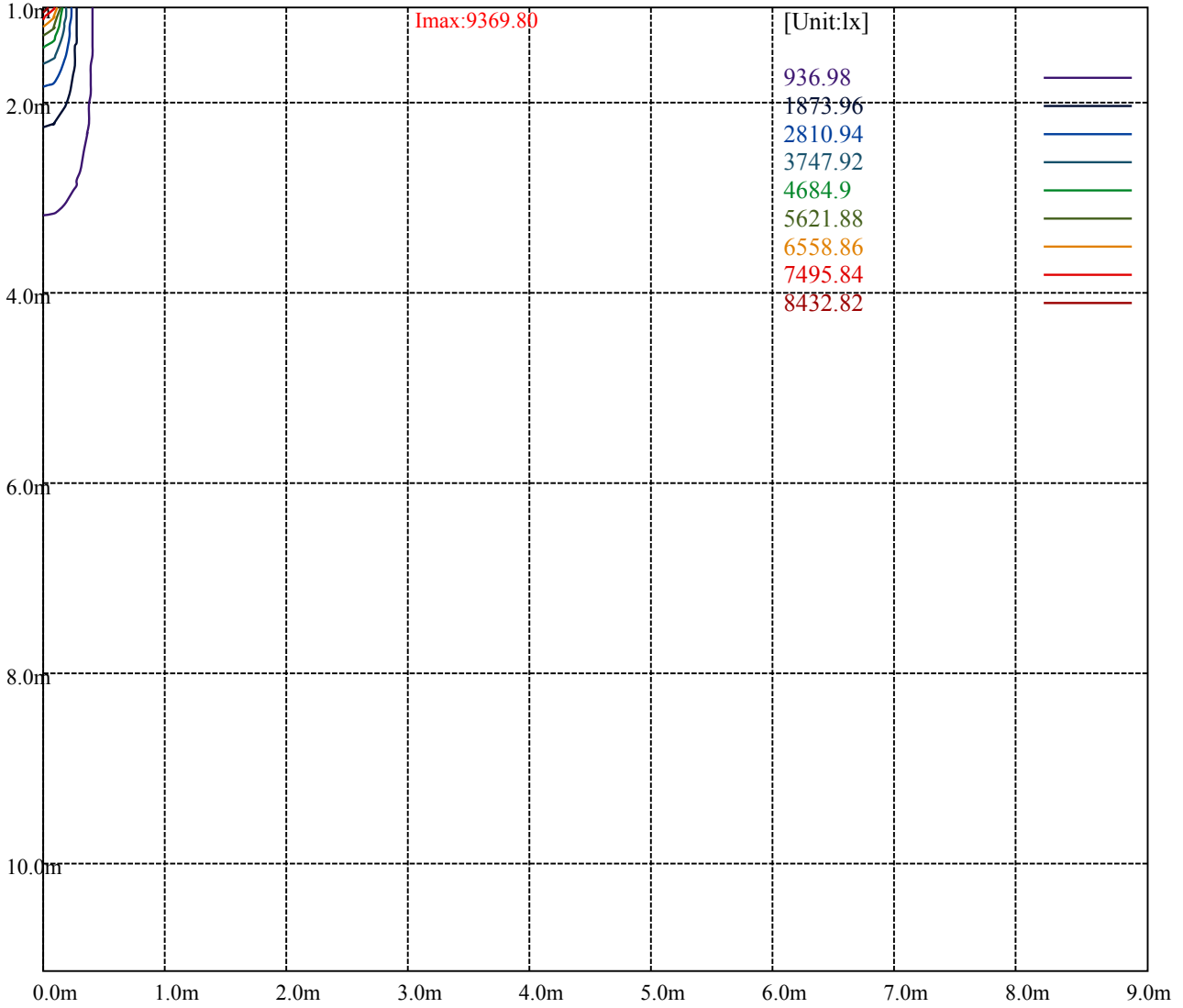
House

[Unit:cd]

Road

Imax:9369.80

- (10%Imax) 936.98
- (20%Imax) 1873.96
- (30%Imax) 2810.94
- (40%Imax) 3747.92
- (50%Imax) 4684.9
- (60%Imax) 5621.88
- (70%Imax) 6558.86
- (80%Imax) 7495.84
- (90%Imax) 8432.82



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

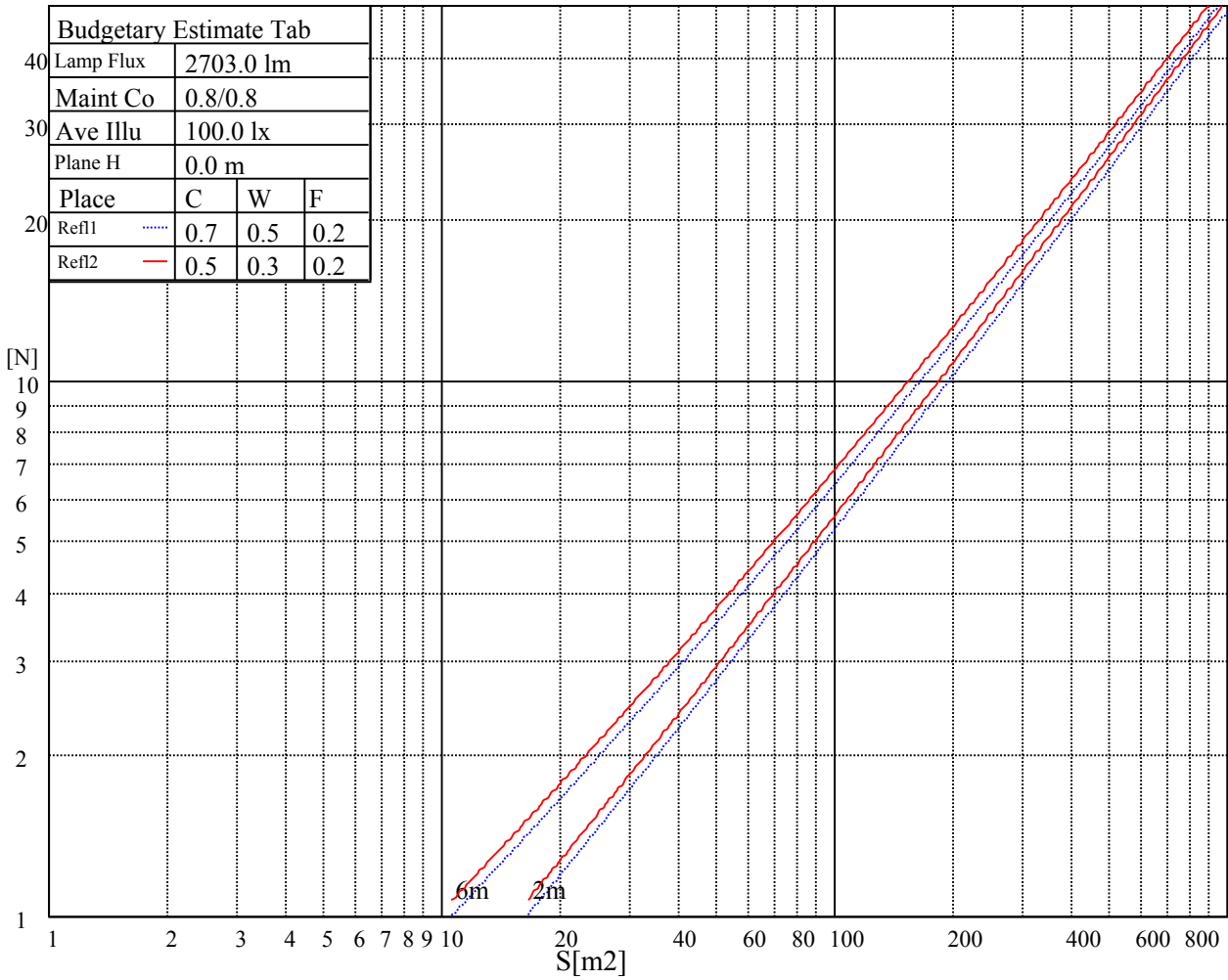
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

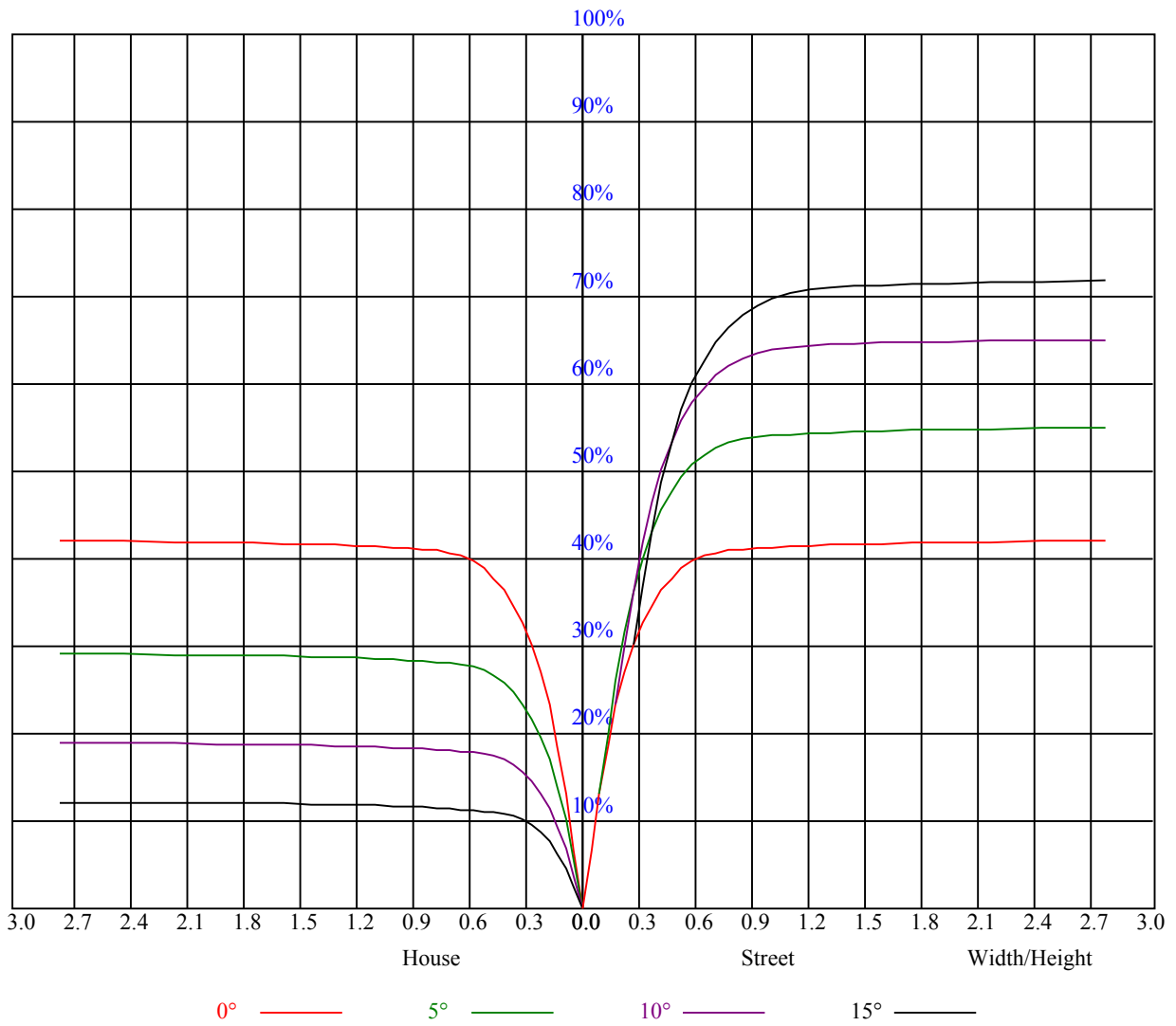


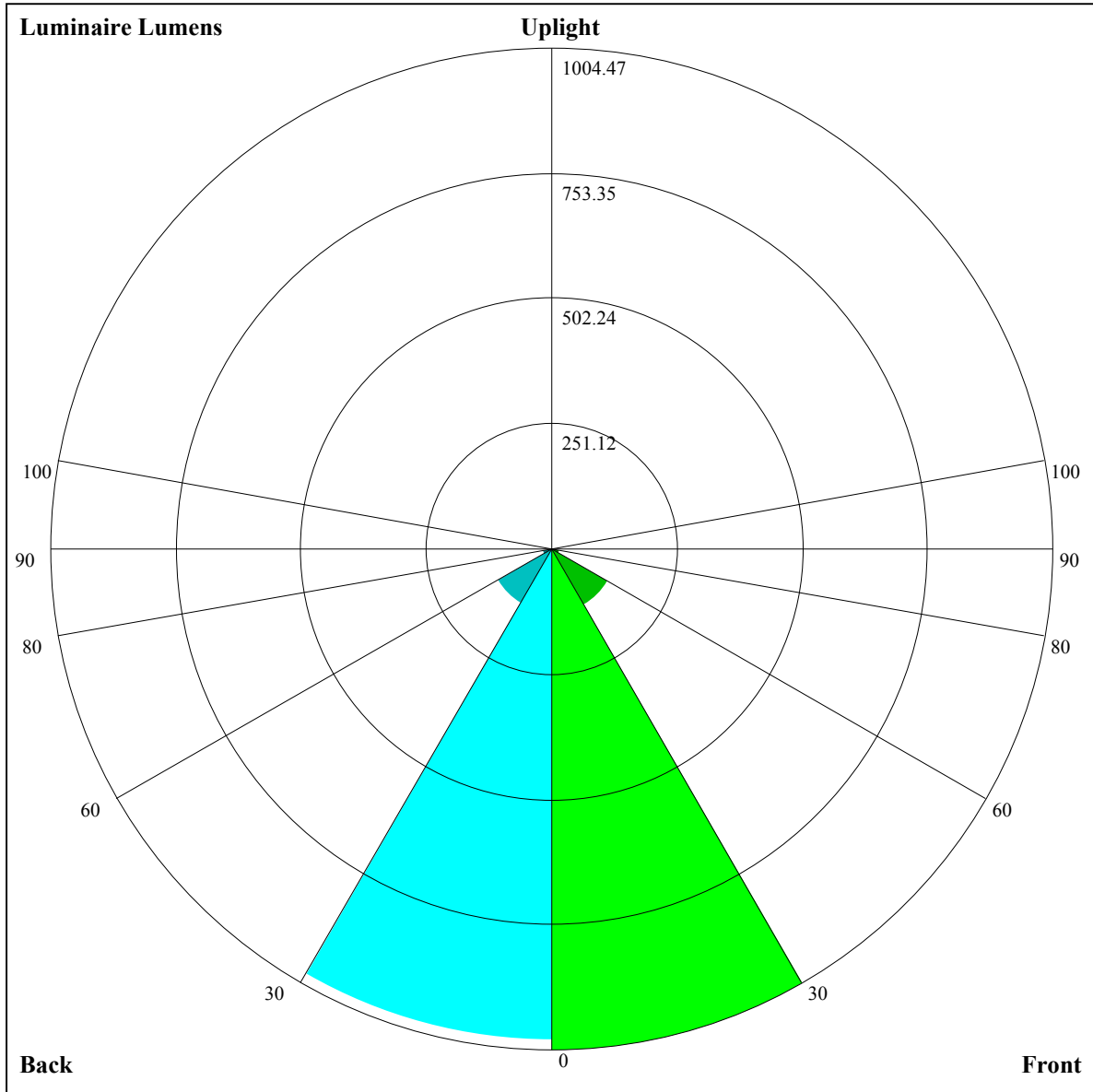
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数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





Luminaire Lumens:

FL=1004.47,FM=130.95,FH=17.4,FVH=5.66

BL=984.03,BM=127.3,BH=18.67,BVH=5.74

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	9396.43	9295.19	9150.05	8898.99	8422.62	7948.00	7389.69	6772.87	5979.89
45.0	9408.72	9426.86	9363.66	9179.31	8856.27	8496.36	8035.78	7350.48	6743.02
90.0	9323.86	9220.86	8959.85	8660.22	8117.71	7602.72	7012.22	6237.97	5614.12
135.0	9350.20	9244.86	9088.60	8815.89	8336.59	7849.10	7285.52	6530.00	5911.42
180.0	9396.43	9437.40	9366.00	9229.06	8947.56	8619.25	8069.73	7534.83	6928.54
225.0	9408.72	9356.05	9195.70	8873.83	8535.57	8084.36	7549.46	6791.01	6154.28
270.0	9323.86	9377.70	9402.87	9274.12	9058.76	8777.26	8405.65	7929.27	7219.98
315.0	9350.20	9424.52	9354.29	9211.50	9013.69	8621.01	8191.45	7668.26	7064.31
360.0	9396.43	9295.19	9150.05	8898.99	8422.62	7948.00	7389.69	6772.87	5979.89
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5342.58	4728.09	4053.33	3600.36	3208.85	2800.36	2522.96	2288.29	2042.49
45.0	6118.00	5483.03	4721.07	4172.13	3700.44	3296.05	2864.15	2577.39	2335.69
90.0	4995.54	4283.32	3795.83	3376.81	3016.89	2642.35	2389.53	2174.17	1986.90
135.0	5149.45	4563.64	4042.21	3492.10	3116.38	2800.36	2525.89	2240.30	2043.66
180.0	6148.43	5528.09	4908.34	4333.65	3729.11	3319.45	2968.32	2671.61	2369.05
225.0	5516.97	4892.54	4196.71	3726.19	3236.35	2901.60	2614.26	2315.21	2110.38
270.0	6598.47	5976.96	5191.59	4589.39	4058.59	3501.46	3119.31	2724.28	2462.69
315.0	6270.16	5620.56	4848.65	4286.25	3804.02	3293.12	2948.42	2652.88	2402.99
360.0	5342.58	4728.09	4053.33	3600.36	3208.85	2800.36	2522.96	2288.29	2042.49
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1871.61	1720.62	1583.68	1434.44	1273.51	1167.76	1167.76	1084.77	1011.97
45.0	2081.70	1906.14	1714.77	1579.00	1460.19	1354.85	1246.00	1171.68	1104.38
90.0	1784.41	1639.86	1480.68	1370.07	1157.63	1157.63	1108.01	1040.71	963.98
135.0	1871.61	1721.79	1555.00	1439.13	1339.05	1235.47	1165.24	1096.77	999.62
180.0	2157.78	1969.93	1768.02	1621.13	1493.55	1358.37	1270.58	1195.09	1112.57
225.0	1924.86	1723.55	1586.02	1461.95	1356.02	1153.60	1153.60	1105.31	1036.90
270.0	2236.79	2040.15	1816.60	1660.34	1534.52	1417.47	1289.31	1214.99	1140.66
315.0	2132.03	1943.01	1779.14	1635.18	1478.92	1372.41	1162.26	1162.26	1113.80
360.0	1871.61	1720.62	1583.68	1434.44	1273.51	1167.76	1167.76	1084.77	1011.97
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	930.39	826.28	739.78	654.69	550.05	467.71	371.62	300.69	235.38
45.0	1034.15	935.25	855.66	771.39	684.77	578.85	497.50	398.01	321.93
90.0	863.21	779.99	695.13	612.38	506.69	424.70	349.67	278.33	201.02
135.0	914.18	825.81	716.96	629.76	547.24	469.41	375.77	304.96	304.96
180.0	1038.25	951.63	870.29	763.19	668.97	582.94	495.16	398.60	324.86
225.0	936.42	852.97	766.29	653.87	565.39	483.57	383.09	310.29	244.98
270.0	1077.46	986.16	907.16	804.74	715.79	626.25	526.18	440.73	359.39
315.0	1046.91	953.86	871.87	783.67	675.64	589.97	508.27	429.96	338.73
360.0	930.39	826.28	739.78	654.69	550.05	467.71	371.62	300.69	235.38
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	178.67	127.11	81.11	63.73	58.05	53.37	48.81	46.12	43.66
45.0	304.96	221.80	123.37	87.90	66.01	60.04	55.36	51.44	47.58
90.0	149.06	96.62	72.80	62.27	56.42	52.20	49.10	46.41	43.13
135.0	224.61	113.94	81.70	65.14	58.58	54.25	50.04	47.23	44.59
180.0	307.89	228.82	133.90	96.91	70.99	62.97	57.12	53.31	50.33
225.0	174.16	127.23	91.70	71.05	60.86	56.47	52.79	49.92	46.76
270.0	306.13	306.13	152.33	110.49	79.42	61.45	56.65	52.44	48.40
315.0	271.43	208.40	153.09	99.25	72.16	59.87	53.96	49.86	46.12
360.0	178.67	127.11	81.11	63.73	58.05	53.37	48.81	46.12	43.66

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	40.56	38.45	36.11	34.53	33.01	31.60	30.78	30.08	29.55
45.0	44.77	42.19	39.80	37.10	35.23	33.71	32.42	31.13	30.20
90.0	40.61	38.57	36.75	34.70	33.36	32.30	31.25	30.67	30.08
135.0	42.25	39.44	37.45	35.76	34.29	32.71	31.89	31.19	30.49
180.0	47.58	44.95	42.02	39.91	37.98	36.23	34.47	33.36	32.19
225.0	44.42	42.08	39.50	37.75	35.82	34.47	33.47	32.48	31.72
270.0	45.65	43.31	40.50	38.51	36.69	34.76	33.42	32.25	31.37
315.0	43.31	40.97	38.27	36.34	34.59	33.07	31.54	30.37	29.55
360.0	40.56	38.45	36.11	34.53	33.01	31.60	30.78	30.08	29.55
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.09	28.79	28.62	28.21	27.74	27.33	26.69	25.40	24.29
45.0	29.61	29.26	28.85	28.56	28.27	27.92	27.33	26.51	25.34
90.0	29.79	29.50	29.09	28.79	28.38	27.74	26.39	25.34	23.82
135.0	30.20	29.73	29.38	29.09	28.68	27.92	26.92	25.93	24.05
180.0	31.49	30.90	30.26	29.96	29.50	28.97	28.27	27.45	26.39
225.0	31.25	30.84	30.49	29.96	29.73	29.09	28.38	26.92	25.75
270.0	30.55	30.02	29.79	29.38	29.20	28.97	28.62	27.92	27.10
315.0	28.97	28.38	28.15	27.80	27.62	27.51	27.15	26.39	25.57
360.0	29.09	28.79	28.62	28.21	27.74	27.33	26.69	25.40	24.29
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.77	20.95	19.25	18.02	16.56	15.92	15.33	14.92	14.51
45.0	24.23	22.71	20.83	19.20	17.97	16.56	15.98	15.57	15.04
90.0	22.36	20.07	18.67	17.26	16.33	15.68	15.22	14.75	14.34
135.0	22.77	20.95	19.43	17.73	16.97	16.27	15.80	15.27	15.04
180.0	24.87	23.41	21.89	20.25	18.73	17.67	16.97	16.39	16.74
225.0	23.82	22.36	20.60	19.61	19.43	20.01	21.42	22.30	21.48
270.0	25.75	24.35	22.82	20.60	19.14	17.67	16.80	15.98	15.51
315.0	24.52	22.82	21.36	19.66	18.14	16.56	15.80	15.16	14.69
360.0	22.77	20.95	19.25	18.02	16.56	15.92	15.33	14.92	14.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.10	13.81	13.52	13.11	12.87	12.47	12.17	11.88	11.47
45.0	14.51	13.99	13.69	13.40	13.11	12.82	12.52	12.29	12.00
90.0	14.05	13.64	13.34	13.11	12.82	12.47	12.23	11.88	11.65
135.0	15.10	15.04	14.86	14.92	14.51	14.05	13.46	12.64	11.94
180.0	17.56	18.20	18.49	18.67	18.90	18.55	17.97	17.15	14.92
225.0	19.78	18.55	18.55	18.14	16.80	15.80	15.16	13.93	13.28
270.0	15.04	14.69	14.22	13.93	13.64	13.23	12.99	12.64	12.35
315.0	14.22	13.87	13.58	13.17	12.87	12.52	12.29	12.00	11.70
360.0	14.10	13.81	13.52	13.11	12.87	12.47	12.17	11.88	11.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.18	10.83	10.59	10.30	10.07	9.77	9.60	9.48	9.31
45.0	11.65	11.24	10.89	10.59	10.36	9.95	9.77	9.60	9.42
90.0	11.29	10.94	10.65	10.24	9.89	9.71	9.54	9.42	9.36
135.0	11.35	10.94	10.77	10.30	9.95	9.77	9.60	9.42	9.42
180.0	13.75	11.70	11.18	10.83	10.53	10.24	9.83	9.60	9.48
225.0	12.29	11.29	10.89	10.53	10.24	9.83	9.71	9.48	9.36
270.0	12.06	11.65	11.35	11.06	10.71	10.36	9.89	9.66	9.54
315.0	11.41	11.06	10.83	10.53	10.30	10.07	9.83	9.66	9.48
360.0	11.18	10.83	10.59	10.30	10.07	9.77	9.60	9.48	9.31

Intensity data(cd)

<i>C/γ(°)</i>	90.0
0.0	9.31
45.0	9.36
90.0	9.36
135.0	9.36
180.0	9.36
225.0	9.36
270.0	9.42
315.0	9.36
360.0	9.31