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NT

Client:

LumCAT: 3-2832-L

Luminaire: 92.70.412.00

Report No: 2024321-B024

Ballast type: AC

Test No: 2024321-C024

Voltage(V): 35.160

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.450

Lamp flux(lm): 2693.0

Power (W): 15.822

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2297.01, Efficiency(%): 85.30% , Luminous Efficacy(lm/W): 145.18

Central intensity(cd): 11613.410, Maximum intensity(cd): 11613.410

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.0

[C90/270]Total=17.0

Field angle(10%Imax): [C0/180]Total=48.8

[C90/270]Total=48.8

Maximum s/h(1/2): C0_180=0.29 C90_270=0.29

Maximum s/h(1/4): C0_180=0.34 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.30%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.950%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/21
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	11613.410	0.000	0	0.00%	0.00%
1.0	11533.161	11.075	11.075	0.41%	0.48%
2.0	11122.245	32.517	43.592	1.21%	1.90%
3.0	10577.174	51.898	95.49	1.93%	4.16%
4.0	9901.970	68.550	164.041	2.55%	7.14%
5.0	9010.307	81.360	245.4	3.02%	10.68%
6.0	8069.411	89.758	335.159	3.33%	14.59%
7.0	7160.191	94.530	429.688	3.51%	18.71%
8.0	6287.109	96.240	525.928	3.57%	22.90%
9.0	5368.525	94.463	620.391	3.51%	27.01%
10.0	4688.420	91.012	711.402	3.38%	30.97%
11.0	4125.214	88.066	799.469	3.27%	34.80%
12.0	3649.646	84.990	884.459	3.16%	38.50%
13.0	3260.545	82.007	966.466	3.05%	42.07%
14.0	2960.909	79.634	1046.1	2.96%	45.54%
15.0	2764.566	78.602	1124.702	2.92%	48.96%
16.0	2447.096	76.365	1201.067	2.84%	52.29%
17.0	2240.007	72.991	1274.058	2.71%	55.47%
18.0	2021.645	70.265	1344.323	2.61%	58.52%
19.0	1848.711	67.336	1411.66	2.50%	61.46%
20.0	1700.649	64.963	1476.623	2.41%	64.28%
21.0	1567.145	62.748	1539.371	2.33%	67.02%
22.0	1418.073	59.989	1599.36	2.23%	69.63%
23.0	1267.275	56.346	1655.706	2.09%	72.08%
24.0	1200.223	53.948	1709.654	2.00%	74.43%
25.0	1102.176	52.352	1762.006	1.94%	76.71%
26.0	997.874	49.572	1811.578	1.84%	78.87%
27.0	924.048	47.020	1858.598	1.75%	80.91%
28.0	869.308	45.404	1904.002	1.69%	82.89%
29.0	812.848	44.010	1948.012	1.63%	84.81%
30.0	735.357	41.801	1989.813	1.55%	86.63%
31.0	641.626	38.319	2028.133	1.42%	88.29%
32.0	542.452	33.922	2062.055	1.26%	89.77%
33.0	438.114	28.888	2090.943	1.07%	91.03%
34.0	344.778	23.693	2114.636	0.88%	92.06%
35.0	266.709	18.991	2133.626	0.71%	92.89%
36.0	210.403	15.191	2148.818	0.56%	93.55%
37.0	130.439	11.116	2159.934	0.41%	94.03%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	89.049	7.326	2167.26	0.27%	94.35%
39.0	79.283	5.746	2173.006	0.21%	94.60%
40.0	73.541	5.330	2178.336	0.20%	94.83%
41.0	68.610	5.062	2183.398	0.19%	95.05%
42.0	63.585	4.803	2188.201	0.18%	95.26%
43.0	59.166	4.547	2192.748	0.17%	95.46%
44.0	55.296	4.320	2197.068	0.16%	95.65%
45.0	51.661	4.110	2201.178	0.15%	95.83%
46.0	48.457	3.915	2205.094	0.15%	96.00%
47.0	45.757	3.747	2208.841	0.14%	96.16%
48.0	43.424	3.605	2212.446	0.13%	96.32%
49.0	41.119	3.472	2215.918	0.13%	96.47%
50.0	39.547	3.363	2219.281	0.12%	96.62%
51.0	38.113	3.286	2222.567	0.12%	96.76%
52.0	36.942	3.221	2225.787	0.12%	96.90%
53.0	36.013	3.174	2228.961	0.12%	97.04%
54.0	35.289	3.143	2232.104	0.12%	97.17%
55.0	34.397	3.111	2235.214	0.12%	97.31%
56.0	33.577	3.072	2238.286	0.11%	97.44%
57.0	32.626	3.027	2241.313	0.11%	97.58%
58.0	31.536	2.967	2244.28	0.11%	97.70%
59.0	29.964	2.875	2247.155	0.11%	97.83%
60.0	28.530	2.763	2249.919	0.10%	97.95%
61.0	26.803	2.641	2252.559	0.10%	98.06%
62.0	25.194	2.506	2255.065	0.09%	98.17%
63.0	23.321	2.360	2257.424	0.09%	98.28%
64.0	21.778	2.213	2259.637	0.08%	98.37%
65.0	20.256	2.080	2261.717	0.08%	98.46%
66.0	18.932	1.955	2263.673	0.07%	98.55%
67.0	17.959	1.855	2265.528	0.07%	98.63%
68.0	16.950	1.768	2267.296	0.07%	98.71%
69.0	16.269	1.695	2268.991	0.06%	98.78%
70.0	15.713	1.643	2270.633	0.06%	98.85%
71.0	15.252	1.600	2272.234	0.06%	98.92%
72.0	14.843	1.565	2273.799	0.06%	98.99%
73.0	14.477	1.533	2275.332	0.06%	99.06%
74.0	14.133	1.504	2276.836	0.06%	99.12%
75.0	13.797	1.476	2278.312	0.05%	99.19%

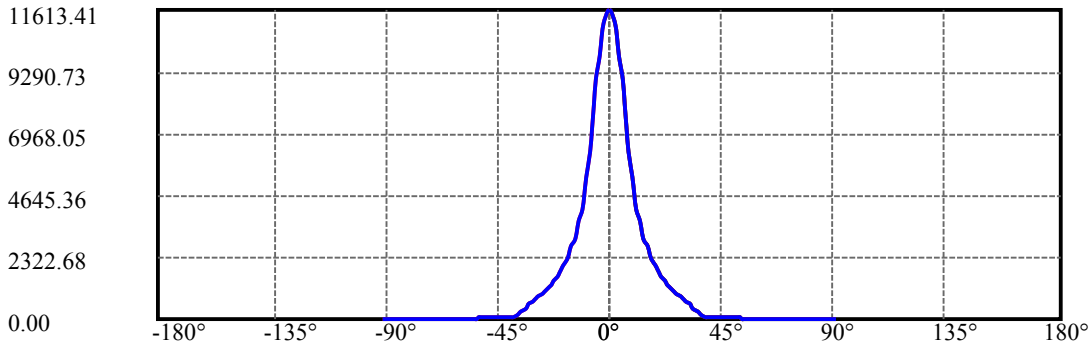
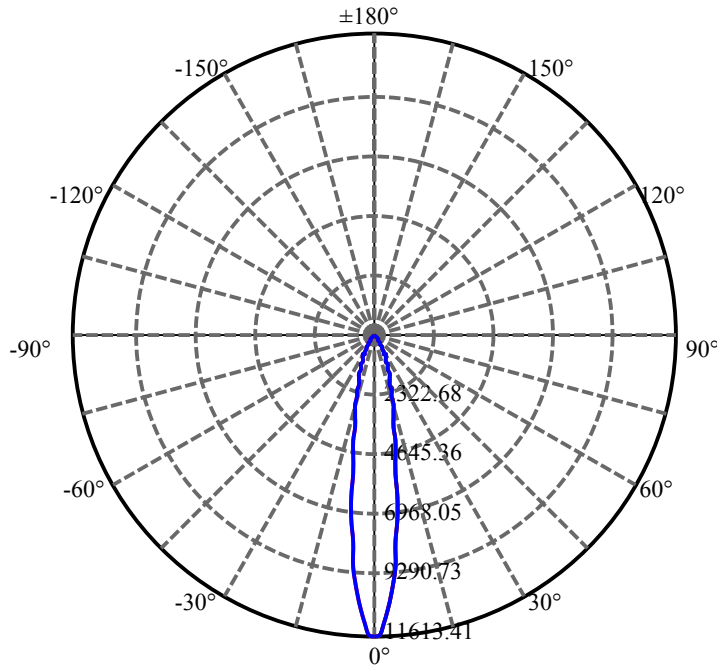
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.467	1.447	2279.759	0.05%	99.25%
77.0	13.153	1.419	2281.178	0.05%	99.31%
78.0	12.882	1.394	2282.572	0.05%	99.37%
79.0	12.597	1.369	2283.941	0.05%	99.43%
80.0	12.341	1.344	2285.285	0.05%	99.49%
81.0	12.019	1.317	2286.603	0.05%	99.55%
82.0	11.580	1.280	2287.882	0.05%	99.60%
83.0	11.156	1.236	2289.118	0.05%	99.66%
84.0	10.856	1.199	2290.317	0.04%	99.71%
85.0	10.600	1.171	2291.489	0.04%	99.76%
86.0	10.366	1.146	2292.635	0.04%	99.81%
87.0	10.146	1.123	2293.757	0.04%	99.86%
88.0	9.956	1.101	2294.858	0.04%	99.91%
89.0	9.795	1.083	2295.941	0.04%	99.95%
90.0	9.737	1.071	2297.012	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1989.81	73.89%	86.63%
0-40	2178.34	80.89%	94.83%
0-60	2249.92	83.55%	97.95%
0-90	2295.94	85.26%	99.95%
0-120	2295.94	85.26%	99.95%
0-180	2297.01	85.30%	100.00%
60-90	46.02	1.71%	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%
0-26.55	1837.61	68.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	711.40
10-20	765.22
20-30	513.19
30-40	188.52
40-50	40.95
50-60	30.64
60-70	20.71
70-80	14.65
80-90	10.66
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



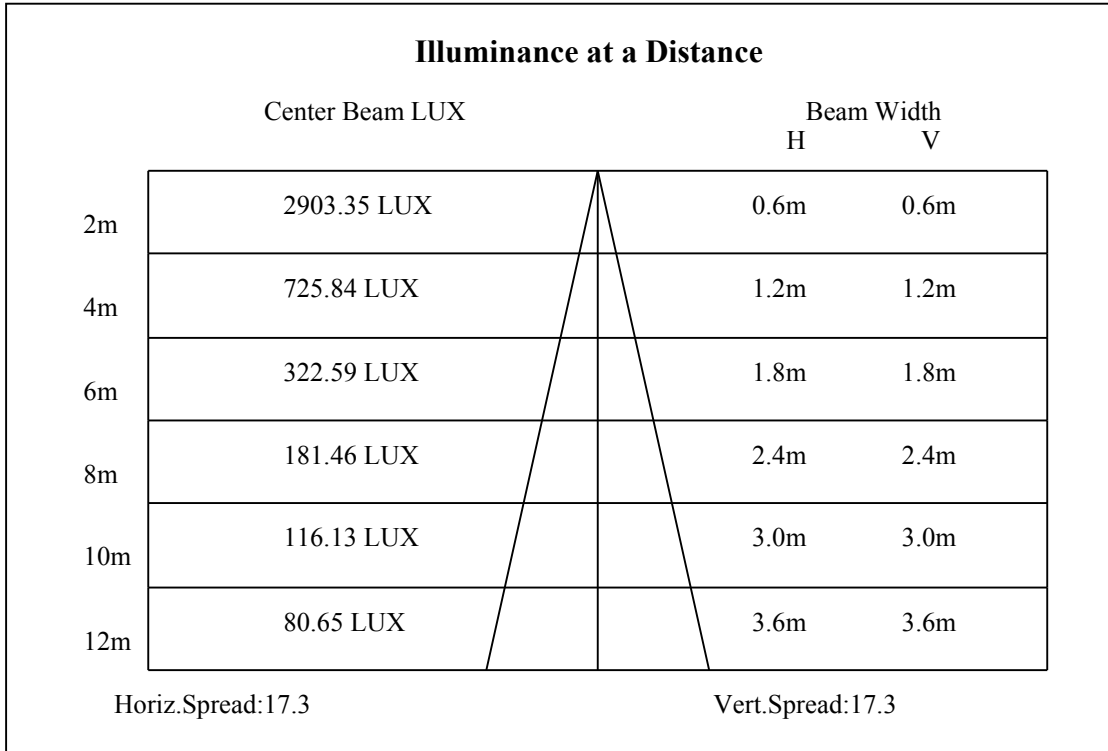
C0(Max): —————

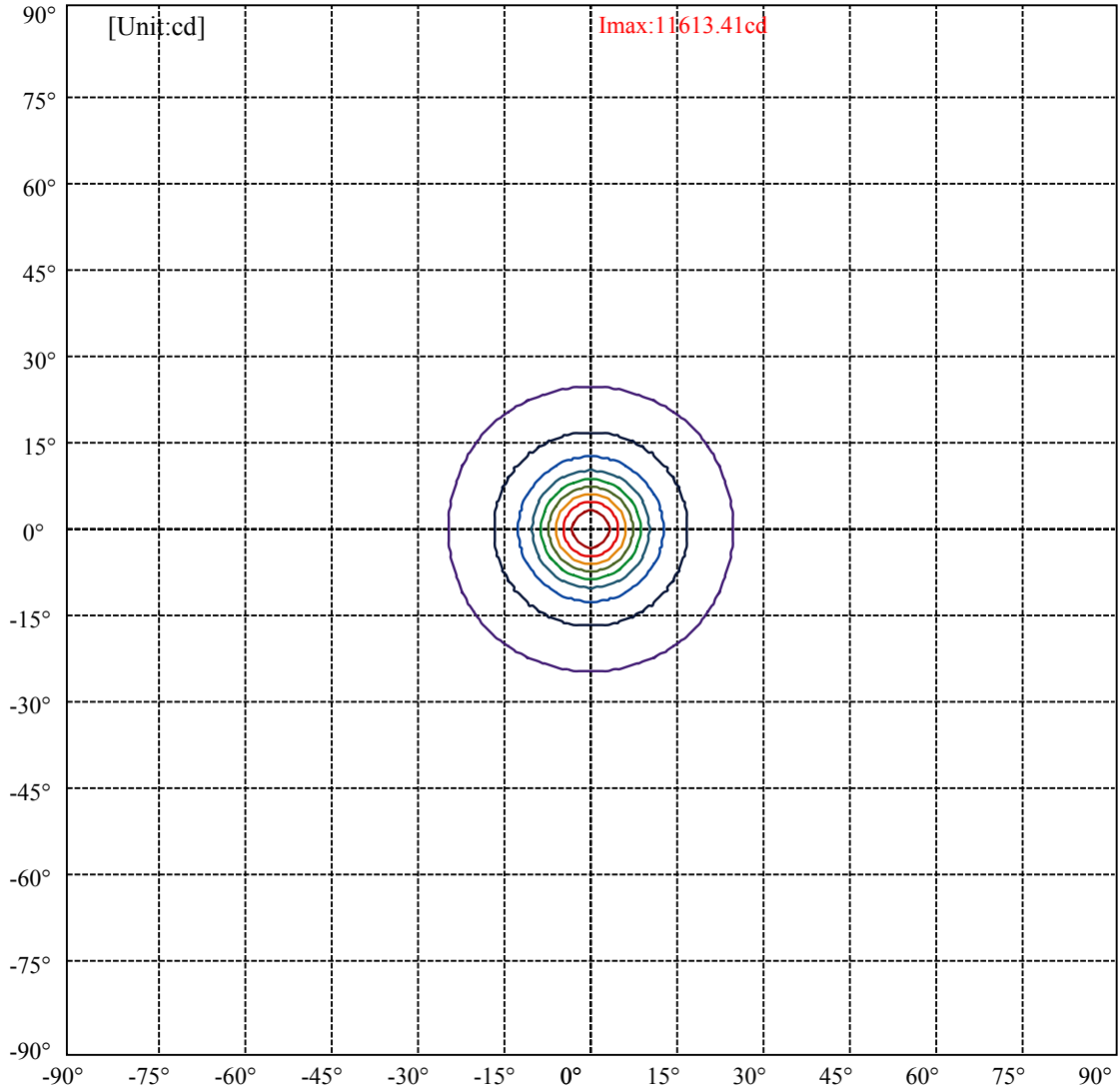
C0/C180: —————

C90/C270: —————

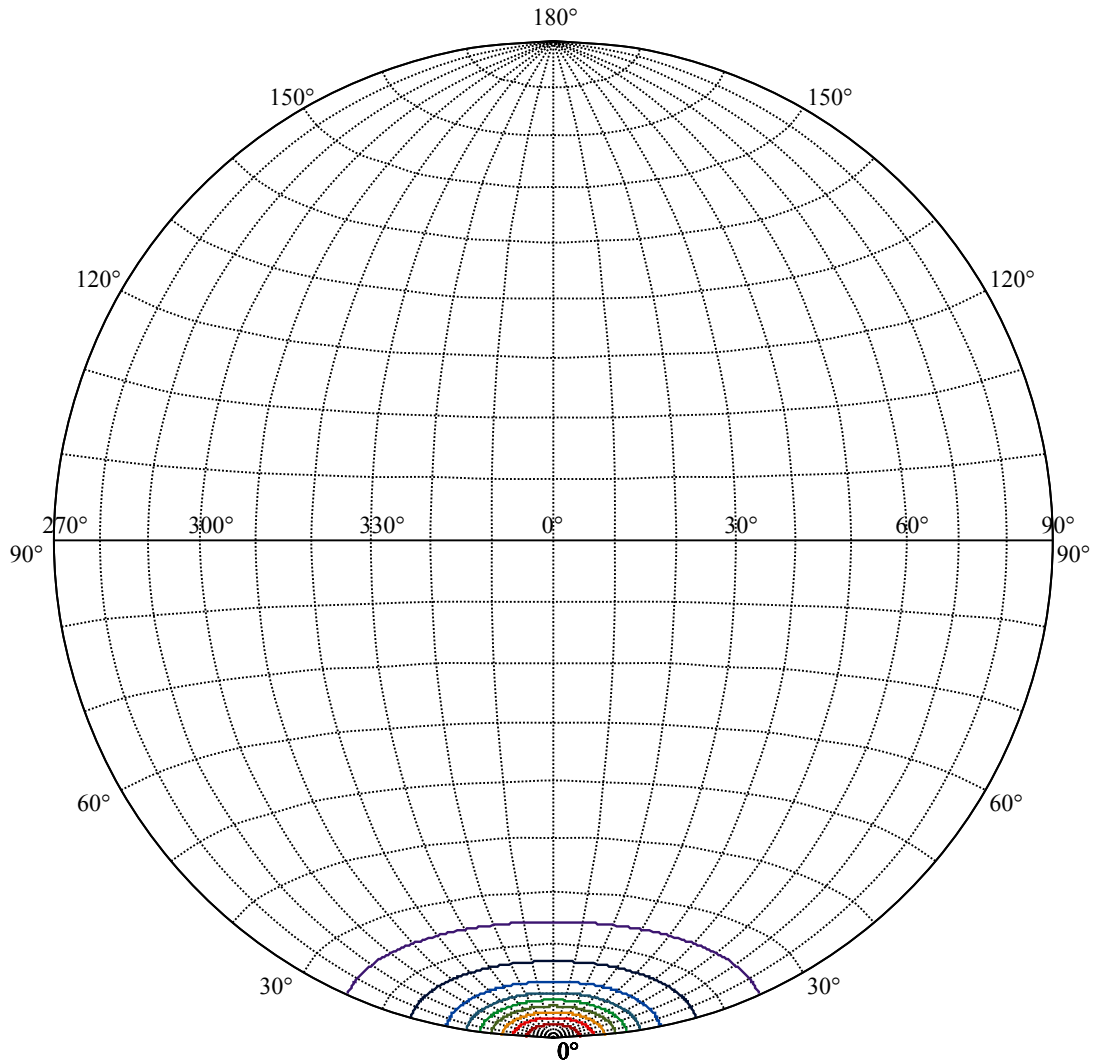
Field angle(10%Imax):C0/180Left:24.4 Right:24.4
:C90/270Left:24.4 Right:24.4

Beam Angle(50%Imax):C0/180Left:8.5 Right:8.5
:C90/270Left:8.5 Right:8.5





(10%Imax) 1161.34	—
(20%Imax) 2322.68	—
(30%Imax) 3484.02	—
(40%Imax) 4645.36	—
(50%Imax) 5806.71	—
(60%Imax) 6968.05	—
(70%Imax) 8129.39	—
(80%Imax) 9290.73	—
(90%Imax) 10452.1	—



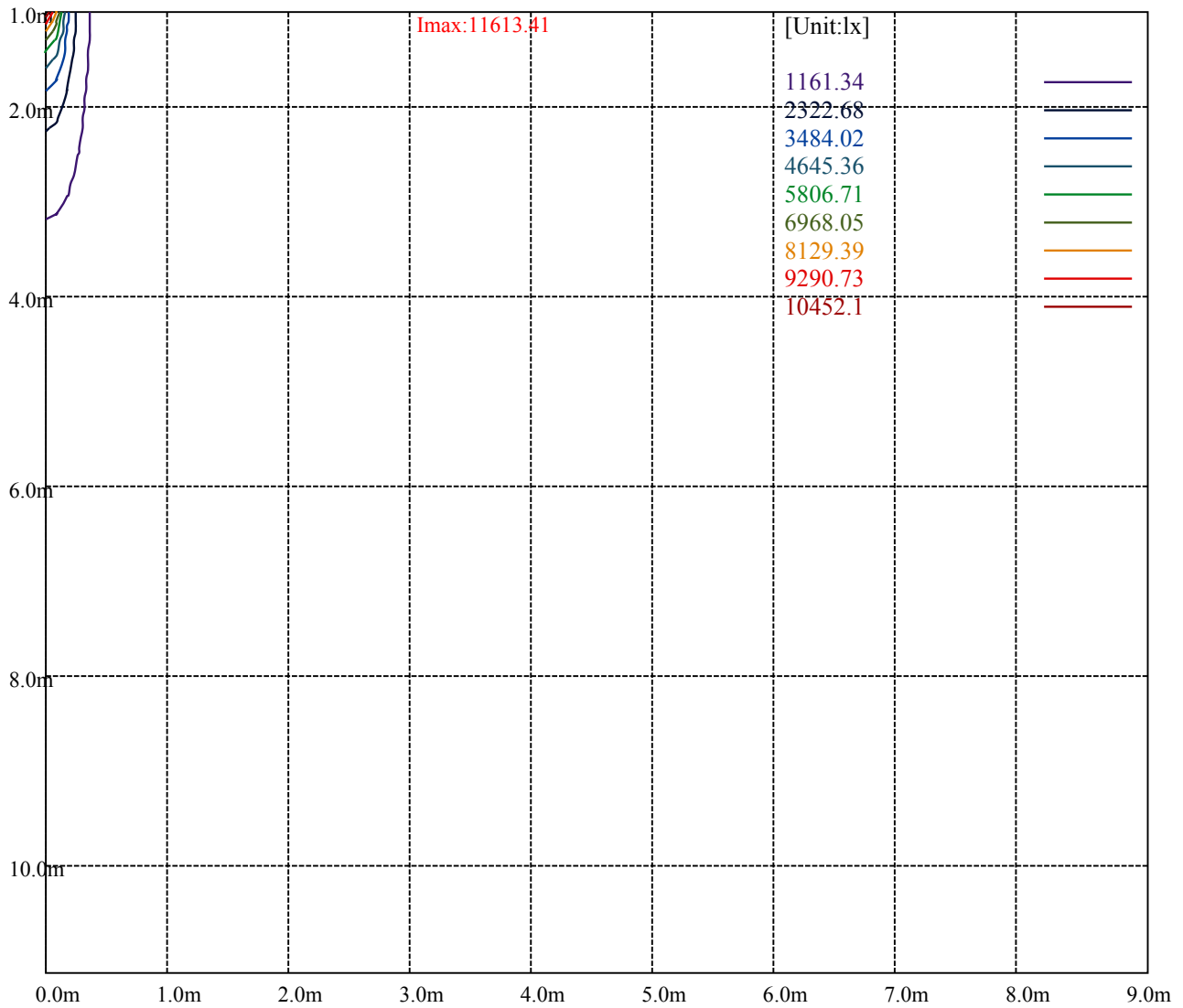
House

[Unit:cd]

Road

Imax:11613.41

(10%Imax)	1161.34	—
(20%Imax)	2322.68	—
(30%Imax)	3484.02	—
(40%Imax)	4645.36	—
(50%Imax)	5806.71	—
(60%Imax)	6968.05	—
(70%Imax)	8129.39	—
(80%Imax)	9290.73	—
(90%Imax)	10452.1	—



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

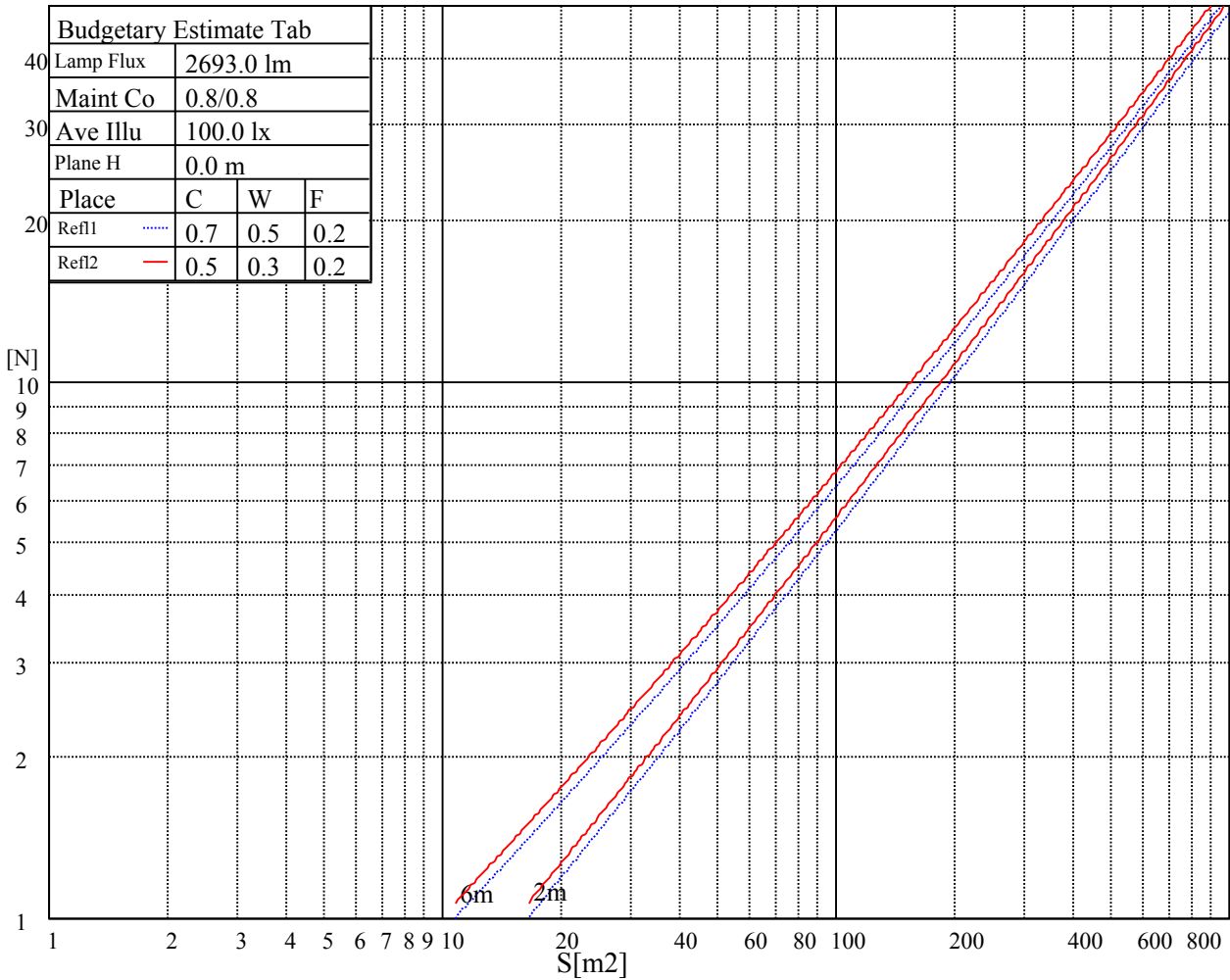
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

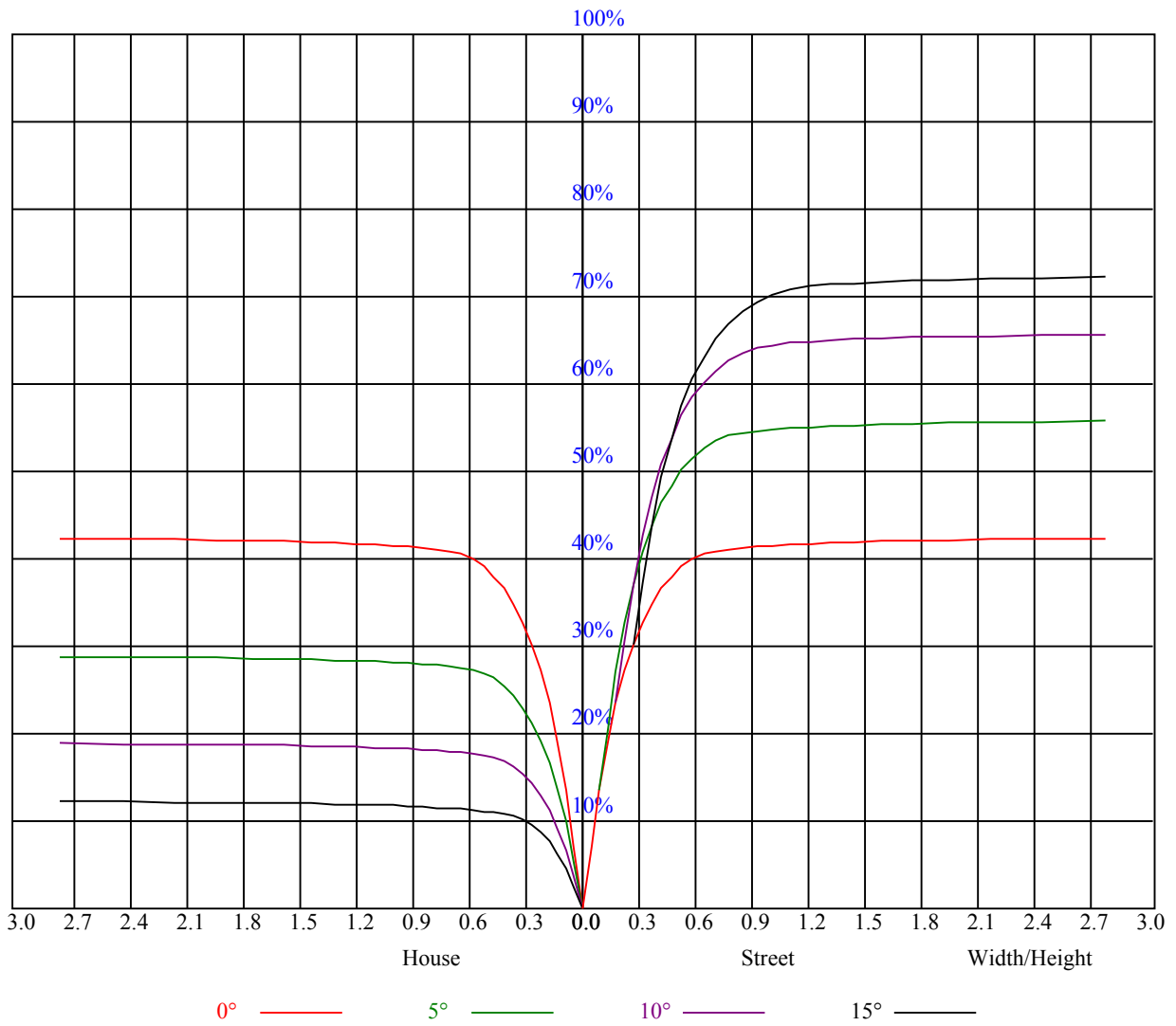


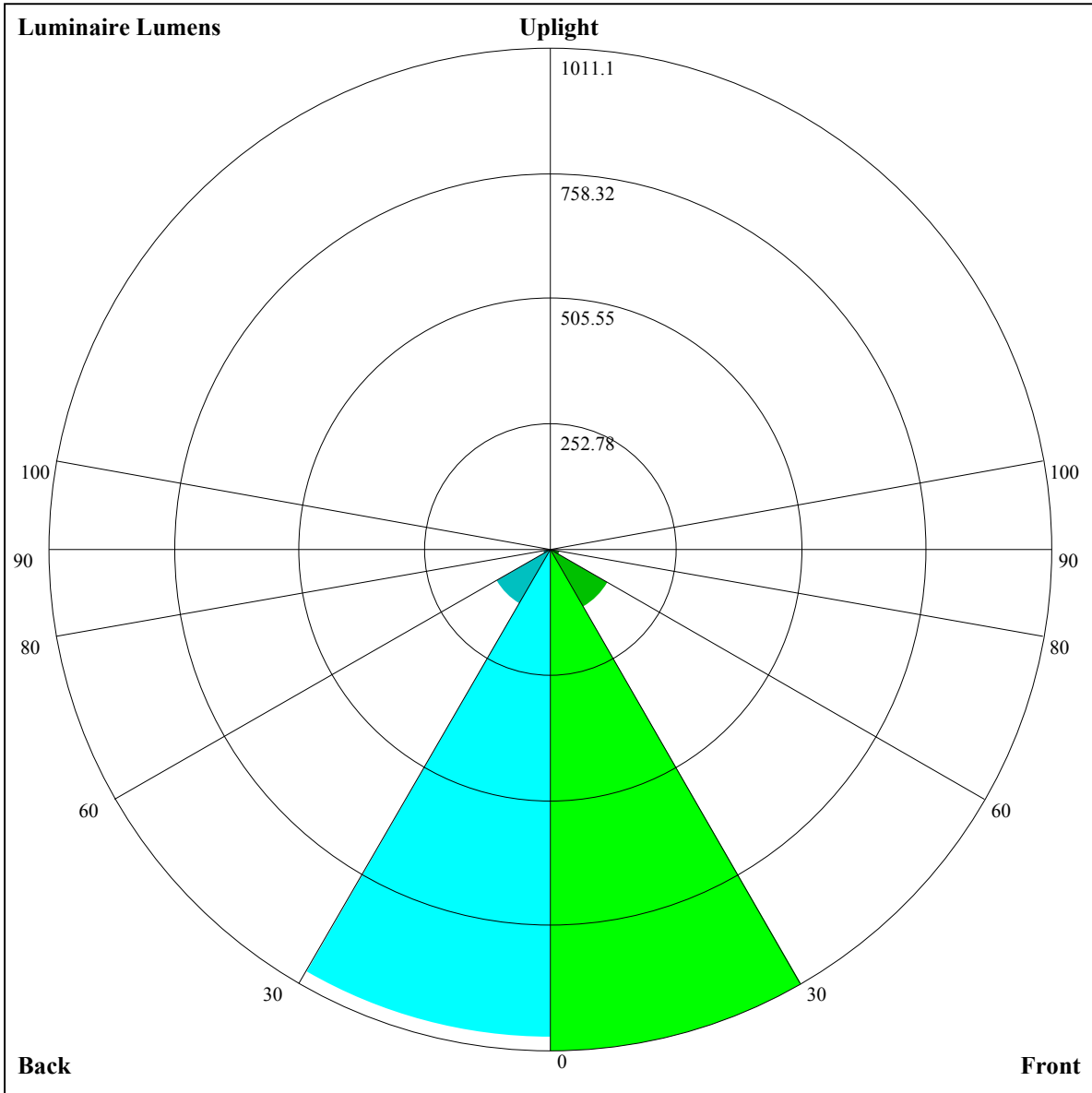
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.83	0.82	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	0.75	0.74
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.76	0.73	0.72	0.70
5	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.69	0.68
6	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
7	0.72	0.67	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
8	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.60
9	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
10	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56





Luminaire Lumens:

FL=1011.1,FM=134.51,FH=17.9,FVH=5.88

BL=982.76,BM=127.31,BH=17.48,BVH=5.84

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	11654.81	11612.68	11218.82	10691.53	10015.60	9018.96	8156.92	7267.97	6401.83
45.0	11507.92	11636.09	11636.09	11362.73	10871.14	10221.54	9454.90	8383.93	7500.24
90.0	11673.54	11545.38	11198.34	10656.42	9968.20	9162.93	8082.02	7195.99	6331.61
135.0	11617.36	11663.01	11427.16	11014.58	10417.06	9488.90	8629.79	7749.61	6872.94
180.0	11654.81	11654.81	11111.08	10549.27	9852.85	9062.79	7985.98	7084.73	6230.31
225.0	11507.92	11115.82	10372.59	9647.49	8829.35	7726.78	6830.22	5969.94	5030.07
270.0	11673.54	11673.54	11216.42	10531.71	9841.14	9045.24	7956.72	7061.32	6195.19
315.0	11617.36	11363.96	10797.46	10163.66	9420.43	8355.32	7458.75	6568.04	5734.68
360.0	11654.81	11612.68	11218.82	10691.53	10015.60	9018.96	8156.92	7267.97	6401.83
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5398.17	4718.14	4172.13	3728.53	3274.98	2973.59	2711.41	2422.89	2219.82
45.0	6622.41	5609.97	4890.14	4187.87	3743.10	3368.56	3052.53	2976.45	2682.73
90.0	5335.55	4670.74	4136.43	3593.93	3244.55	2878.20	2625.38	2399.48	2199.92
135.0	5833.58	5103.22	4489.32	3993.05	3486.24	3150.32	2857.13	2544.03	2327.50
180.0	5264.68	4609.23	3977.19	3567.53	3222.25	2994.01	2994.01	2392.46	2195.82
225.0	4418.51	3939.21	3460.49	3142.13	2862.39	2561.59	2349.15	2161.29	1988.65
270.0	5241.28	4597.53	4070.83	3555.83	3216.40	2994.01	2994.01	2406.50	2216.89
315.0	4834.02	4259.33	3805.19	3428.31	3034.45	2767.00	2532.91	2273.66	2088.73
360.0	5398.17	4718.14	4172.13	3728.53	3274.98	2973.59	2711.41	2422.89	2219.82
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2042.49	1845.86	1707.16	1583.68	1440.30	1167.70	1167.70	1116.26	991.84
45.0	2267.22	2086.39	1884.48	1742.27	1615.28	1498.23	1360.71	1252.44	1145.93
90.0	1983.39	1830.06	1692.53	1567.29	1452.59	1155.64	1155.64	1101.39	982.24
135.0	2137.30	1929.55	1782.65	1623.47	1503.50	1395.23	1289.31	1157.63	1048.20
180.0	2019.08	1814.26	1680.24	1553.83	1439.13	1303.35	1193.92	1069.26	979.14
225.0	1796.11	1660.93	1537.44	1421.57	1150.14	1150.14	1071.96	961.00	902.36
270.0	2042.49	1881.56	1708.33	1580.17	1466.05	1326.18	1220.84	1120.18	993.19
315.0	1885.07	1741.10	1612.35	1464.88	1277.60	1141.72	1141.72	1039.24	940.11
360.0	2042.49	1845.86	1707.16	1583.68	1440.30	1167.70	1167.70	1116.26	991.84
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	924.66	875.09	832.60	750.20	665.05	571.94	455.42	361.79	246.79
45.0	1014.84	938.17	881.99	829.91	767.87	668.39	578.85	482.87	383.97
90.0	915.12	867.71	812.58	744.70	638.42	541.10	441.90	343.76	248.43
135.0	965.68	904.82	862.09	789.53	711.69	625.66	506.86	407.96	313.74
180.0	915.94	858.58	802.99	723.40	608.11	512.72	417.91	326.61	303.79
225.0	851.27	796.84	715.38	624.32	502.06	400.94	305.02	223.03	140.04
270.0	922.37	873.80	814.69	741.54	650.24	550.17	427.86	331.30	310.81
315.0	882.52	839.45	780.46	679.27	589.56	468.71	371.09	280.91	186.10
360.0	924.66	875.09	832.60	750.20	665.05	571.94	455.42	361.79	246.79
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	167.32	110.61	86.26	78.19	73.45	68.94	64.20	59.34	55.65
45.0	311.98	311.98	118.51	88.08	79.30	74.15	69.88	65.02	60.22
90.0	154.09	104.87	85.50	77.43	72.68	68.00	62.21	58.52	55.07
135.0	313.74	134.89	91.12	83.16	77.19	72.51	66.25	61.98	57.88
180.0	200.03	99.96	84.62	78.65	72.68	67.77	62.97	58.00	54.48
225.0	98.14	83.86	77.95	72.10	67.18	61.51	57.53	53.96	49.69
270.0	310.81	103.23	85.21	79.18	73.15	68.41	63.61	58.76	55.01
315.0	127.11	94.10	83.22	77.48	72.68	67.59	62.03	57.76	54.37
360.0	167.32	110.61	86.26	78.19	73.45	68.94	64.20	59.34	55.65

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	52.44	49.39	46.06	43.83	41.32	39.97	38.51	37.40	36.40
45.0	56.47	52.55	49.45	46.82	43.95	41.79	40.26	38.74	37.57
90.0	50.97	48.16	45.47	42.84	40.85	39.33	37.57	36.69	35.64
135.0	54.48	50.21	47.46	44.77	41.96	40.20	38.74	37.28	36.23
180.0	50.10	47.34	44.71	42.31	40.44	38.92	37.63	36.52	35.70
225.0	46.99	44.42	42.60	40.56	38.86	37.51	36.69	35.58	34.94
270.0	50.91	48.05	45.41	43.42	41.02	39.56	38.04	36.93	35.99
315.0	50.91	47.52	44.89	42.84	40.56	39.09	37.45	36.40	35.64
360.0	52.44	49.39	46.06	43.83	41.32	39.97	38.51	37.40	36.40
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.82	34.76	34.18	33.01	32.19	30.43	29.26	27.51	25.87
45.0	36.64	35.99	35.11	34.24	33.24	32.30	30.49	29.20	27.74
90.0	35.17	34.06	33.36	32.25	31.31	29.44	28.32	26.16	24.87
135.0	35.41	34.59	34.00	33.12	31.84	30.61	29.14	27.74	25.93
180.0	34.94	34.06	33.12	32.30	31.25	29.38	28.15	25.98	24.76
225.0	34.18	33.30	32.30	31.37	29.50	28.50	26.04	24.76	22.77
270.0	35.29	34.35	33.42	32.54	31.84	29.79	28.68	26.92	24.87
315.0	34.88	34.06	33.12	32.19	31.13	29.26	28.15	26.16	24.76
360.0	35.82	34.76	34.18	33.01	32.19	30.43	29.26	27.51	25.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.94	22.30	21.01	19.25	18.43	17.15	16.50	15.98	15.51
45.0	25.57	24.23	22.47	20.78	19.37	18.61	17.56	16.68	16.09
90.0	23.23	21.59	20.13	18.96	18.08	16.97	16.33	15.74	15.33
135.0	24.11	22.36	20.83	19.25	18.38	17.03	16.39	15.80	15.22
180.0	22.77	21.54	19.61	18.67	17.62	16.62	16.04	15.57	15.16
225.0	21.48	19.55	18.49	17.56	16.74	16.04	15.51	15.10	14.81
270.0	23.12	21.54	20.19	18.61	17.67	16.74	15.98	15.45	15.04
315.0	22.36	21.13	19.31	18.38	17.38	16.44	15.86	15.39	14.86
360.0	23.94	22.30	21.01	19.25	18.43	17.15	16.50	15.98	15.51
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.10	14.69	14.40	14.10	13.69	13.34	13.05	12.70	12.47
45.0	15.57	15.22	14.75	14.40	14.05	13.64	13.34	12.87	12.52
90.0	14.81	14.46	14.16	13.75	13.40	13.05	12.58	12.29	12.06
135.0	14.86	14.51	14.16	13.81	13.52	13.23	12.87	12.52	12.23
180.0	14.81	14.40	14.05	13.69	13.40	13.23	13.28	13.46	13.46
225.0	14.40	14.10	13.69	13.46	13.23	12.87	12.64	12.35	12.00
270.0	14.69	14.28	13.99	13.58	13.28	12.99	12.70	12.35	12.06
315.0	14.51	14.16	13.87	13.58	13.17	12.87	12.58	12.23	11.94
360.0	15.10	14.69	14.40	14.10	13.69	13.34	13.05	12.70	12.47
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.35	12.00	11.24	10.94	10.71	10.48	10.24	10.07	9.89
45.0	12.23	11.88	11.59	11.24	10.94	10.71	10.42	10.18	10.01
90.0	11.65	11.47	11.12	10.83	10.65	10.36	10.18	10.01	9.83
135.0	12.00	11.65	11.29	10.94	10.71	10.42	10.18	10.07	9.83
180.0	13.11	11.88	11.06	10.77	10.48	10.30	10.07	9.83	9.66
225.0	11.47	11.06	10.83	10.53	10.30	10.07	9.95	9.71	9.77
270.0	11.70	11.35	11.06	10.83	10.53	10.36	10.12	9.89	9.71
315.0	11.65	11.35	11.06	10.77	10.48	10.24	10.01	9.89	9.66
360.0	12.35	12.00	11.24	10.94	10.71	10.48	10.24	10.07	9.89

Intensity data(cd)

C/γ(°)	90.0
0.0	9.71
45.0	9.77
90.0	9.77
135.0	9.71
180.0	9.71
225.0	9.71
270.0	9.77
315.0	9.71
360.0	9.71