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NT

Client:

LumCAT: 2-2684-L

Luminaire: 92.70.412.00

Report No: 2024326-B016

Ballast type: AC

Test No: 2024326-C016

Voltage(V): 34.440

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.720

Lamp flux(lm): 4230.0

Power (W): 24.796

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3627.63, Efficiency(%): 85.76% , Luminous Efficacy(lm/W): 146.30

Central intensity(cd): 8277.773, Maximum intensity(cd): 8277.773

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=35.2

[C90/270]Total=35.2

Field angle(10%Imax): [C0/180]Total=66.2

[C90/270]Total=66.2

Maximum s/h(1/2): C0_180=0.58 C90_270=0.58

Maximum s/h(1/4): C0_180=0.59 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.76%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.038%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
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	8277.774	0.000	0	0.00%	0.00%
1.0	8255.901	7.911	7.911	0.19%	0.22%
2.0	8201.402	23.621	31.532	0.56%	0.87%
3.0	8122.908	39.042	70.575	0.92%	1.95%
4.0	7998.914	53.965	124.539	1.28%	3.43%
5.0	7847.926	68.172	192.712	1.61%	5.31%
6.0	7685.160	81.631	274.342	1.93%	7.56%
7.0	7477.332	94.113	368.456	2.22%	10.16%
8.0	7236.585	105.305	473.76	2.49%	13.06%
9.0	6968.918	115.128	588.888	2.72%	16.23%
10.0	6681.280	123.529	712.417	2.92%	19.64%
11.0	6360.942	130.319	842.736	3.08%	23.23%
12.0	6044.701	135.611	978.347	3.21%	26.97%
13.0	5701.320	139.396	1117.743	3.30%	30.81%
14.0	5344.041	141.380	1259.123	3.34%	34.71%
15.0	5030.653	142.428	1401.551	3.37%	38.64%
16.0	4701.464	142.603	1544.154	3.37%	42.57%
17.0	4345.281	140.882	1685.036	3.33%	46.45%
18.0	4010.898	137.775	1822.811	3.26%	50.25%
19.0	3713.457	134.388	1957.199	3.18%	53.95%
20.0	3409.799	130.375	2087.575	3.08%	57.55%
21.0	3093.192	124.871	2212.445	2.95%	60.99%
22.0	2811.918	118.666	2331.111	2.81%	64.26%
23.0	2552.078	112.551	2443.662	2.66%	67.36%
24.0	2328.084	106.698	2550.36	2.52%	70.30%
25.0	2128.814	101.340	2651.7	2.40%	73.10%
26.0	1953.686	96.368	2748.068	2.28%	75.75%
27.0	1802.844	91.904	2839.972	2.17%	78.29%
28.0	1639.566	87.155	2927.127	2.06%	80.69%
29.0	1425.118	80.181	3007.308	1.90%	82.90%
30.0	1262.455	72.564	3079.872	1.72%	84.90%
31.0	1153.581	67.235	3147.106	1.59%	86.75%
32.0	992.483	61.482	3208.589	1.45%	88.45%
33.0	836.630	53.886	3262.475	1.27%	89.93%
34.0	680.624	45.917	3308.391	1.09%	91.20%
35.0	545.174	38.069	3346.46	0.90%	92.25%
36.0	430.506	31.066	3377.526	0.73%	93.11%
37.0	316.065	24.349	3401.875	0.58%	93.78%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	251.661	18.950	3420.825	0.45%	94.30%
39.0	186.870	14.968	3435.793	0.35%	94.71%
40.0	127.806	10.975	3446.768	0.26%	95.01%
41.0	107.162	8.367	3455.135	0.20%	95.25%
42.0	99.115	7.494	3462.63	0.18%	95.45%
43.0	92.495	7.098	3469.727	0.17%	95.65%
44.0	86.928	6.772	3476.499	0.16%	95.83%
45.0	82.122	6.497	3482.996	0.15%	96.01%
46.0	77.615	6.247	3489.243	0.15%	96.19%
47.0	73.438	6.008	3495.251	0.14%	96.35%
48.0	70.081	5.802	3501.053	0.14%	96.51%
49.0	66.664	5.616	3506.668	0.13%	96.67%
50.0	63.241	5.416	3512.084	0.13%	96.81%
51.0	60.029	5.215	3517.3	0.12%	96.96%
52.0	57.242	5.032	3522.332	0.12%	97.10%
53.0	54.594	4.865	3527.197	0.12%	97.23%
54.0	51.763	4.688	3531.885	0.11%	97.36%
55.0	49.166	4.505	3536.39	0.11%	97.48%
56.0	46.708	4.332	3540.722	0.10%	97.60%
57.0	44.506	4.171	3544.893	0.10%	97.72%
58.0	42.173	4.008	3548.901	0.09%	97.83%
59.0	40.088	3.846	3552.747	0.09%	97.94%
60.0	38.193	3.698	3556.445	0.09%	98.04%
61.0	36.379	3.559	3560.004	0.08%	98.14%
62.0	34.784	3.429	3563.433	0.08%	98.23%
63.0	33.021	3.298	3566.731	0.08%	98.32%
64.0	31.646	3.173	3569.904	0.08%	98.41%
65.0	30.395	3.070	3572.974	0.07%	98.49%
66.0	29.254	2.976	3575.95	0.07%	98.58%
67.0	27.886	2.873	3578.823	0.07%	98.65%
68.0	26.833	2.772	3581.595	0.07%	98.73%
69.0	25.977	2.694	3584.289	0.06%	98.81%
70.0	25.018	2.619	3586.908	0.06%	98.88%
71.0	24.097	2.539	3589.447	0.06%	98.95%
72.0	23.321	2.466	3591.913	0.06%	99.02%
73.0	22.582	2.400	3594.313	0.06%	99.08%
74.0	21.909	2.339	3596.652	0.06%	99.15%
75.0	21.229	2.279	3598.931	0.05%	99.21%

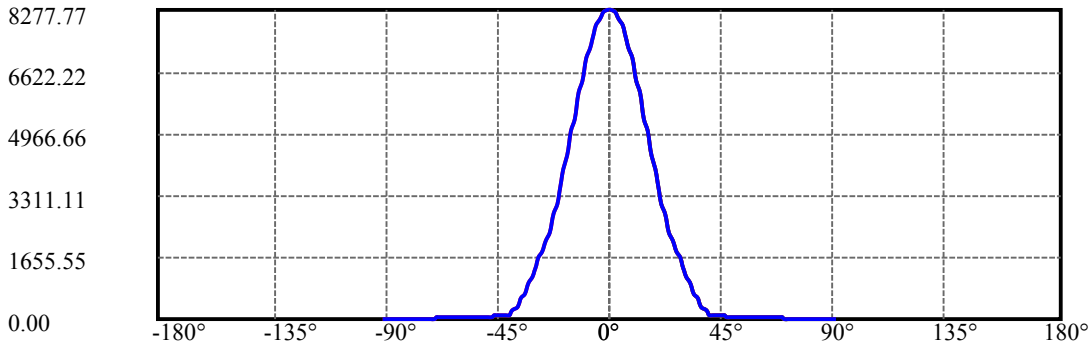
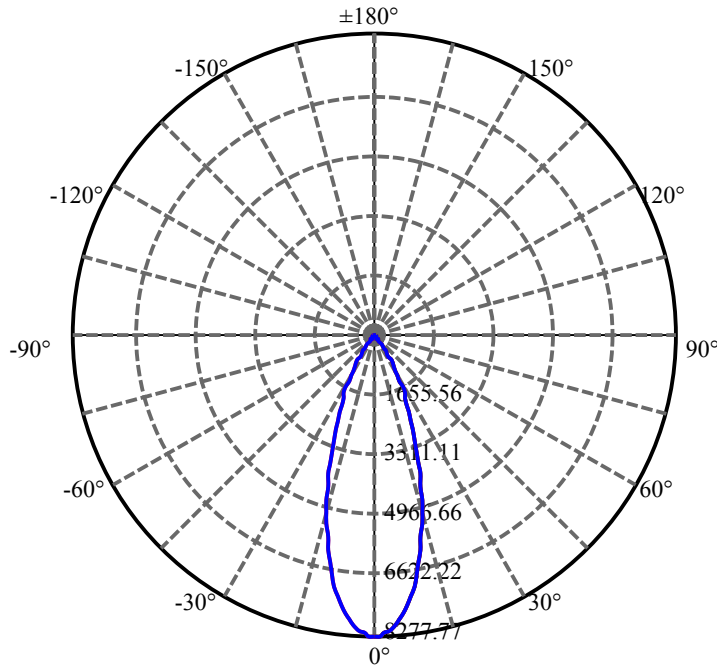
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.680	2.225	3601.156	0.05%	99.27%
77.0	20.139	2.176	3603.332	0.05%	99.33%
78.0	19.664	2.131	3605.463	0.05%	99.39%
79.0	19.173	2.087	3607.55	0.05%	99.45%
80.0	18.676	2.041	3609.59	0.05%	99.50%
81.0	18.222	1.995	3611.586	0.05%	99.56%
82.0	17.791	1.953	3613.539	0.05%	99.61%
83.0	17.308	1.908	3615.447	0.05%	99.66%
84.0	16.737	1.855	3617.301	0.04%	99.72%
85.0	16.262	1.801	3619.102	0.04%	99.76%
86.0	15.955	1.761	3620.863	0.04%	99.81%
87.0	15.662	1.730	3622.594	0.04%	99.86%
88.0	15.413	1.702	3624.296	0.04%	99.91%
89.0	15.135	1.674	3625.97	0.04%	99.95%
90.0	15.113	1.658	3627.629	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	3079.87	72.81%	84.90%
0-40	3446.77	81.48%	95.01%
0-60	3556.45	84.08%	98.04%
0-90	3625.97	85.72%	99.95%
0-120	3625.97	85.72%	99.95%
0-180	3627.63	85.76%	100.00%
60-90	69.53	1.64%	1.92%
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%
0-27.71	2902.10	68.61%	80.00%

ZONAL LUMEN SUMMARY

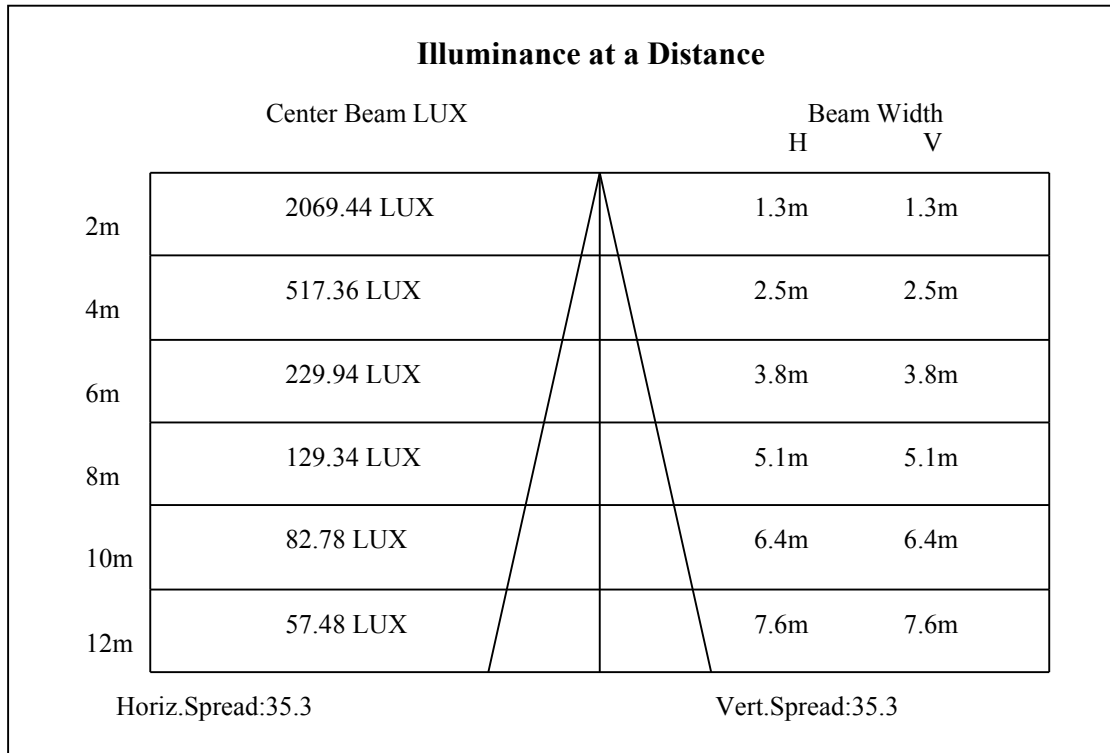
0-10	712.42
10-20	1375.16
20-30	992.30
30-40	366.90
40-50	65.32
50-60	44.36
60-70	30.46
70-80	22.68
80-90	16.38
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

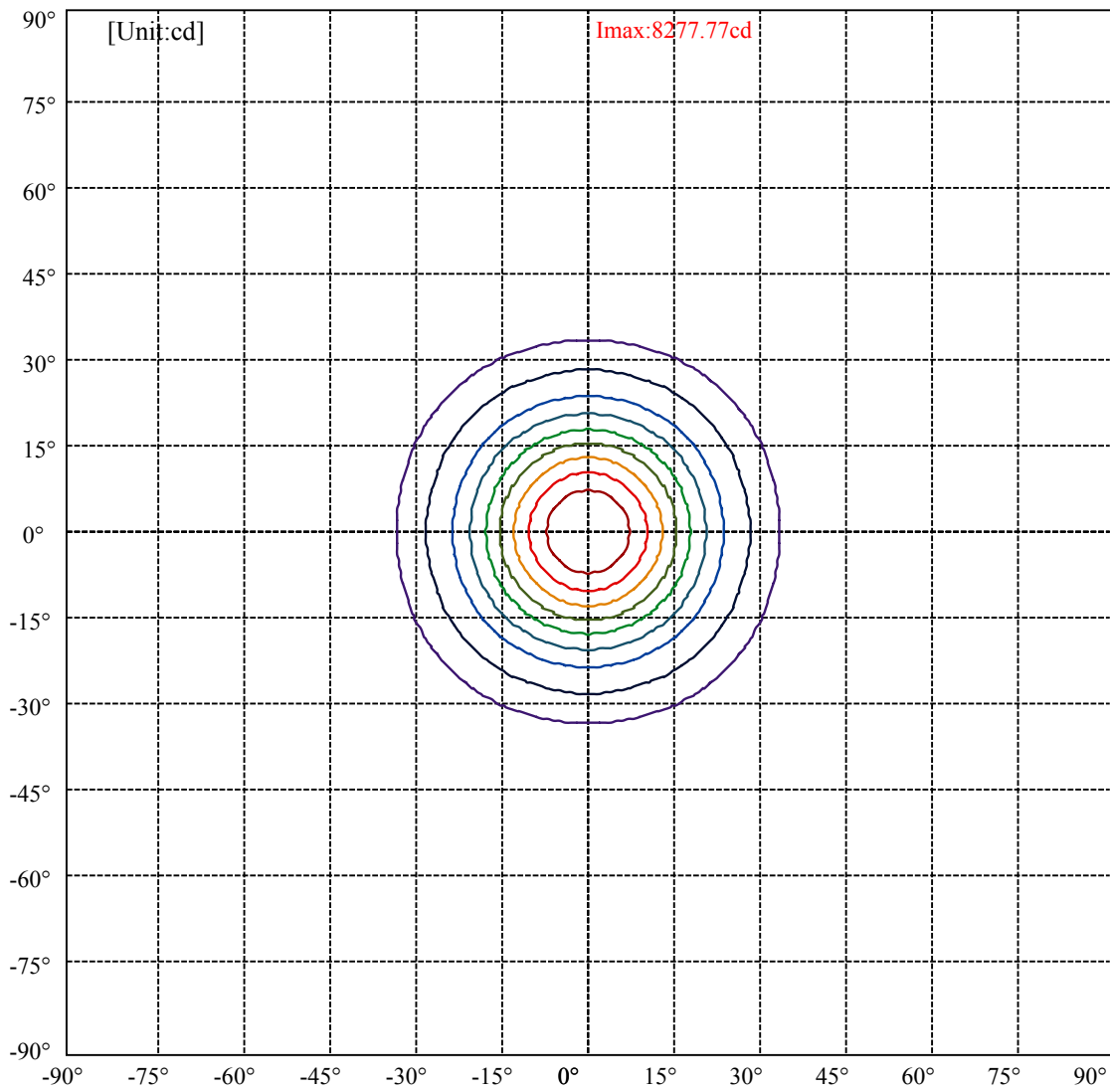


C0(Max): —————
C0/C180: —————
C90/C270: —————

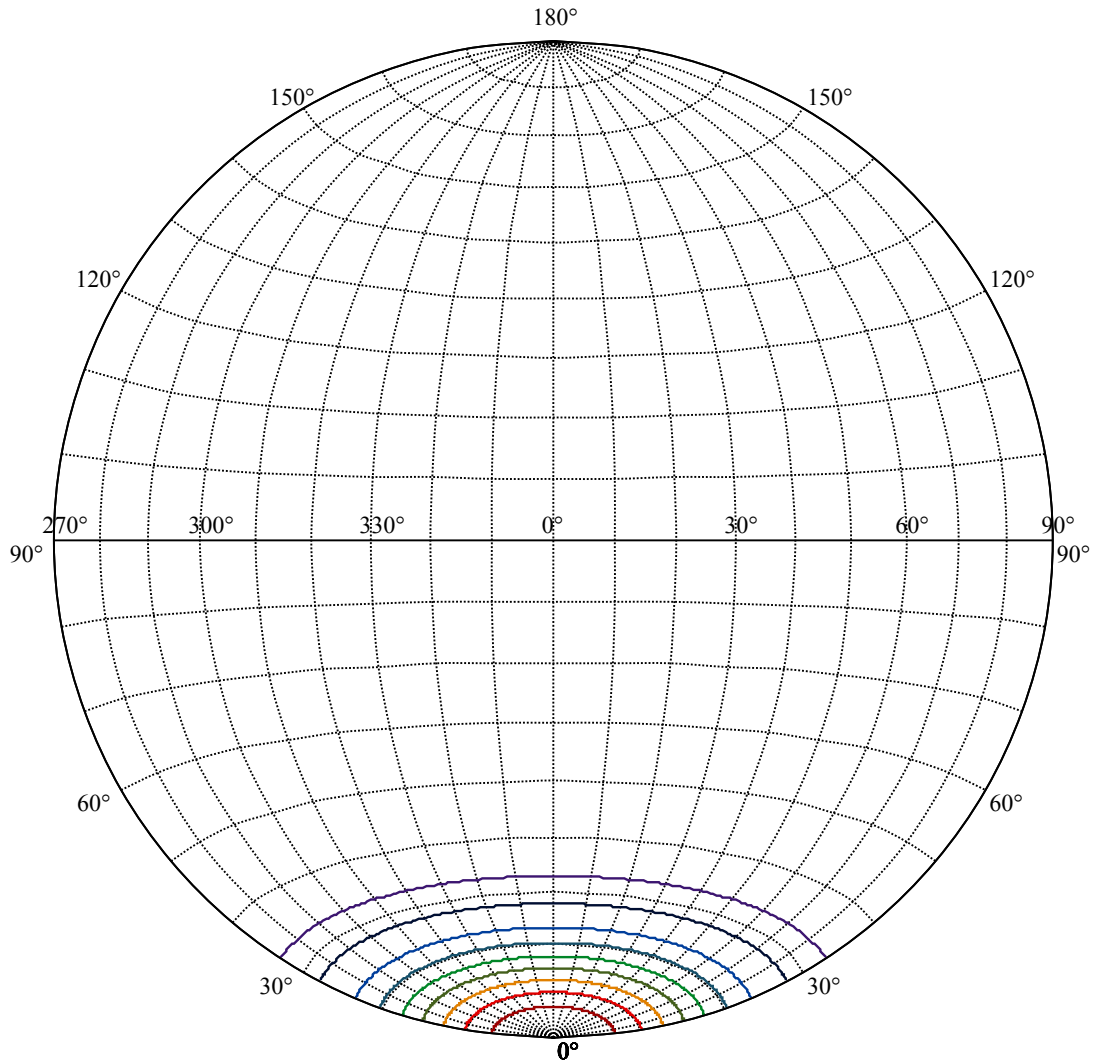
Field angle(10%Imax):C0/180Left:33.1 Right:33.1
:C90/270Left:33.1 Right:33.1

Beam Angle(50%Imax):C0/180Left:17.6 Right:17.6
:C90/270Left:17.6 Right:17.6





(10%Imax) 827.777	—
(20%Imax) 1655.55	—
(30%Imax) 2483.33	—
(40%Imax) 3311.11	—
(50%Imax) 4138.89	—
(60%Imax) 4966.66	—
(70%Imax) 5794.44	—
(80%Imax) 6622.22	—
(90%Imax) 7450	—



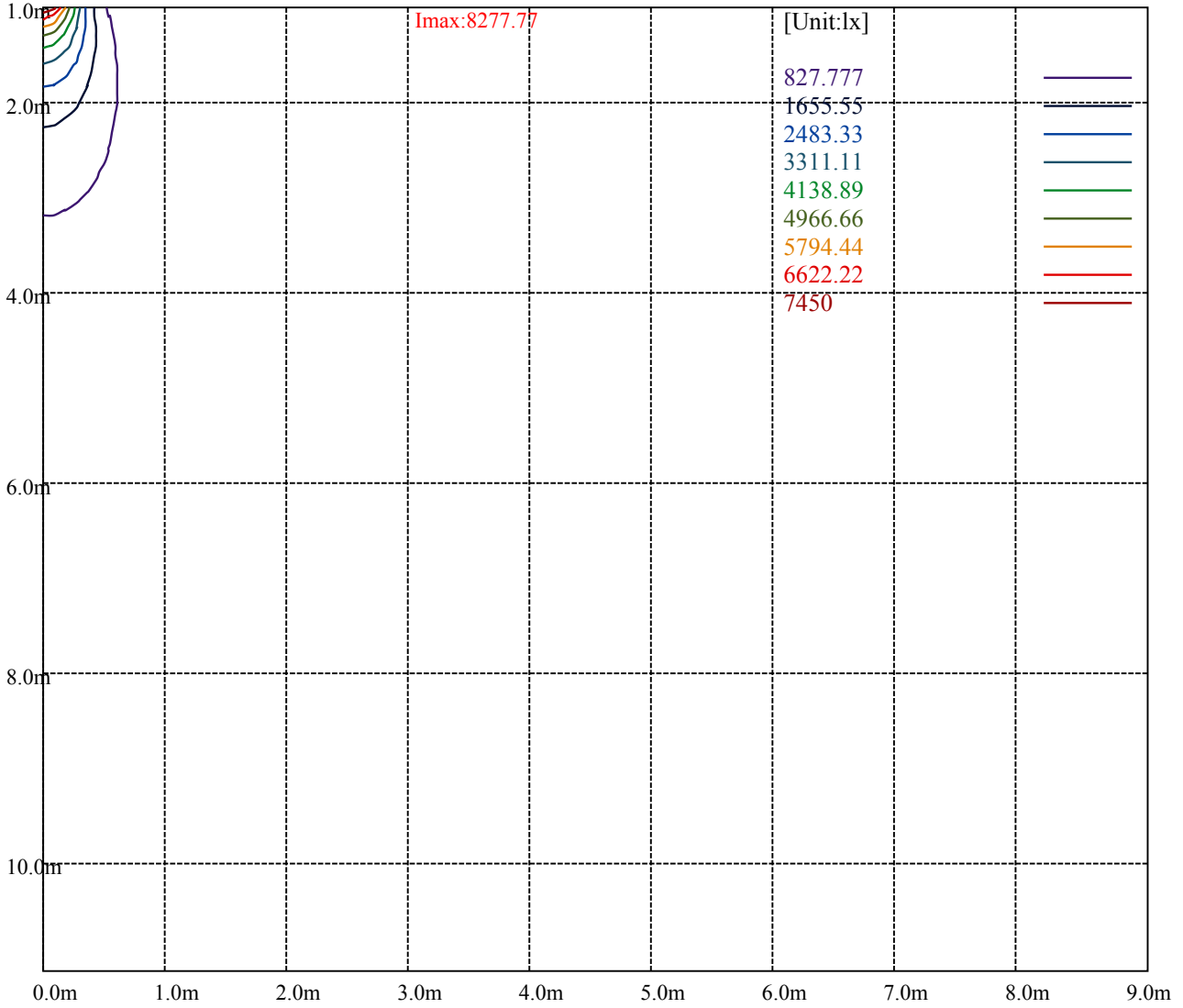
House

[Unit:cd]

Road

Imax:8277.77

(10%Imax)	827.777	—
(20%Imax)	1655.55	—
(30%Imax)	2483.33	—
(40%Imax)	3311.11	—
(50%Imax)	4138.89	—
(60%Imax)	4966.66	—
(70%Imax)	5794.44	—
(80%Imax)	6622.22	—
(90%Imax)	7450	—



Luminance Table

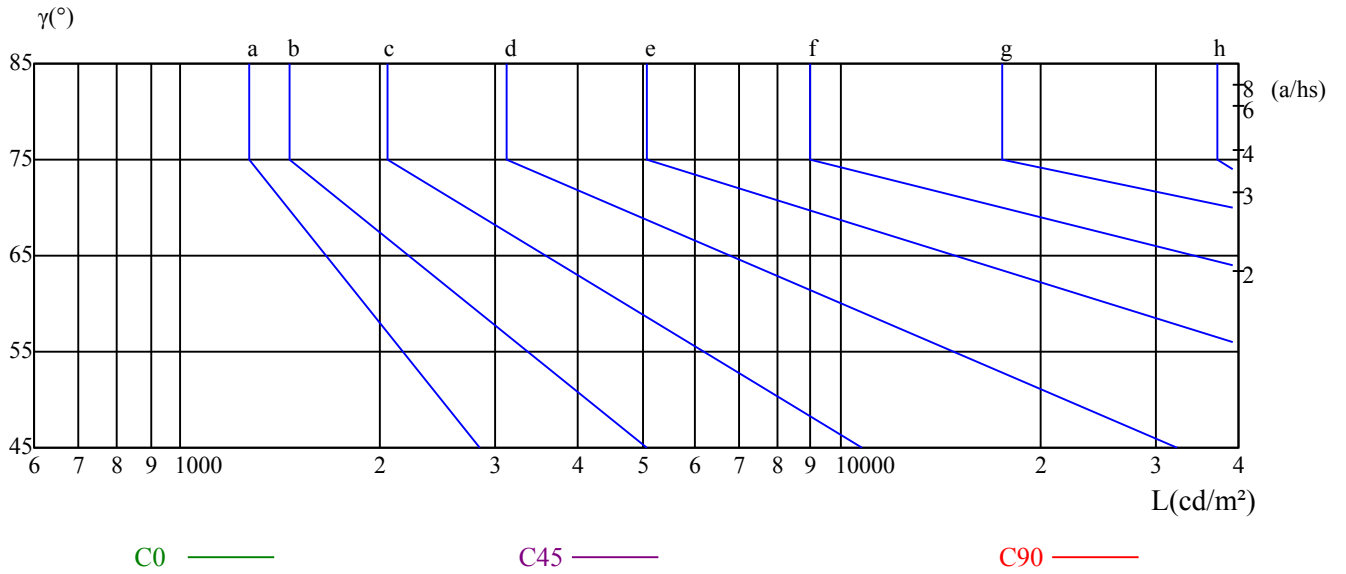
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

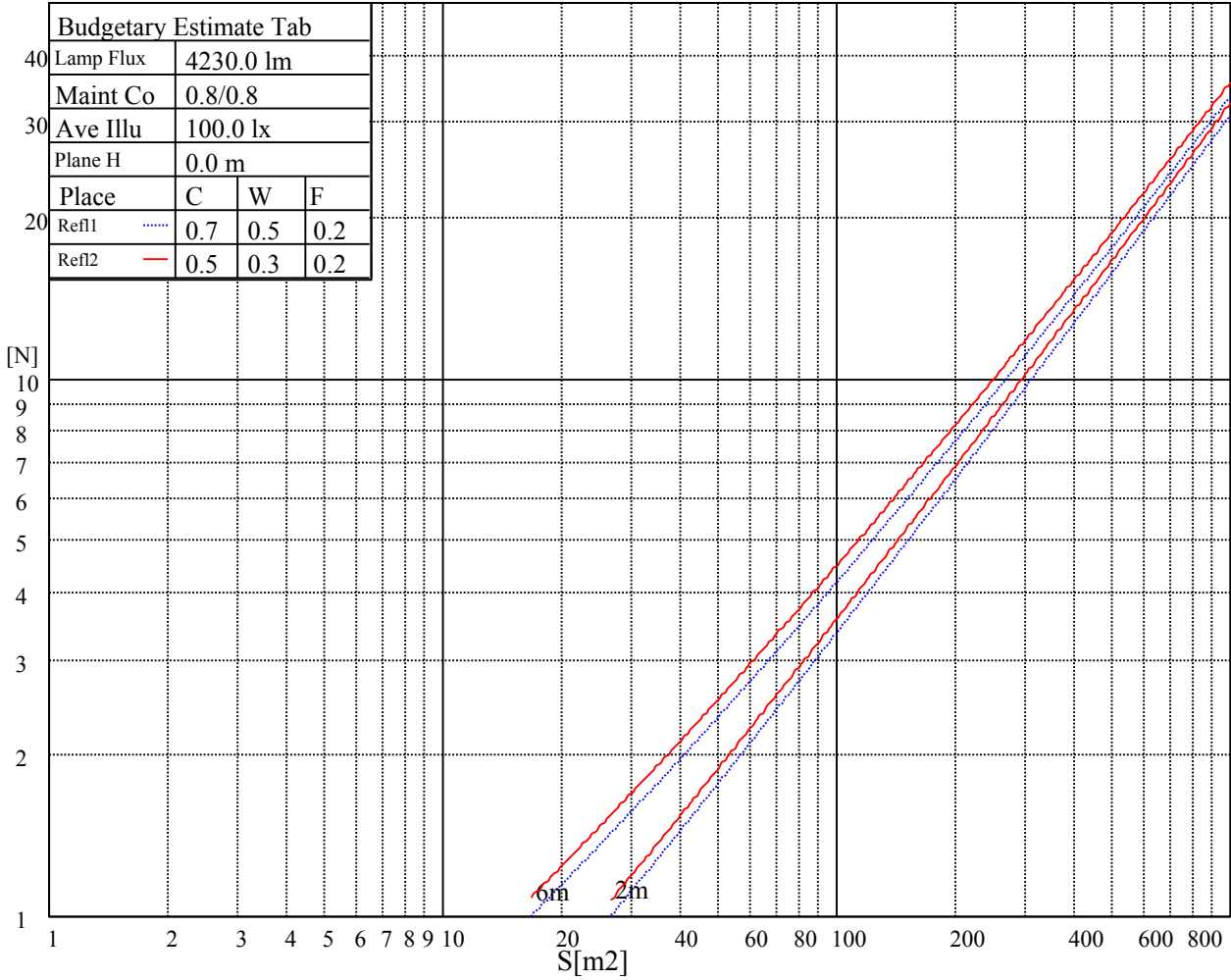
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

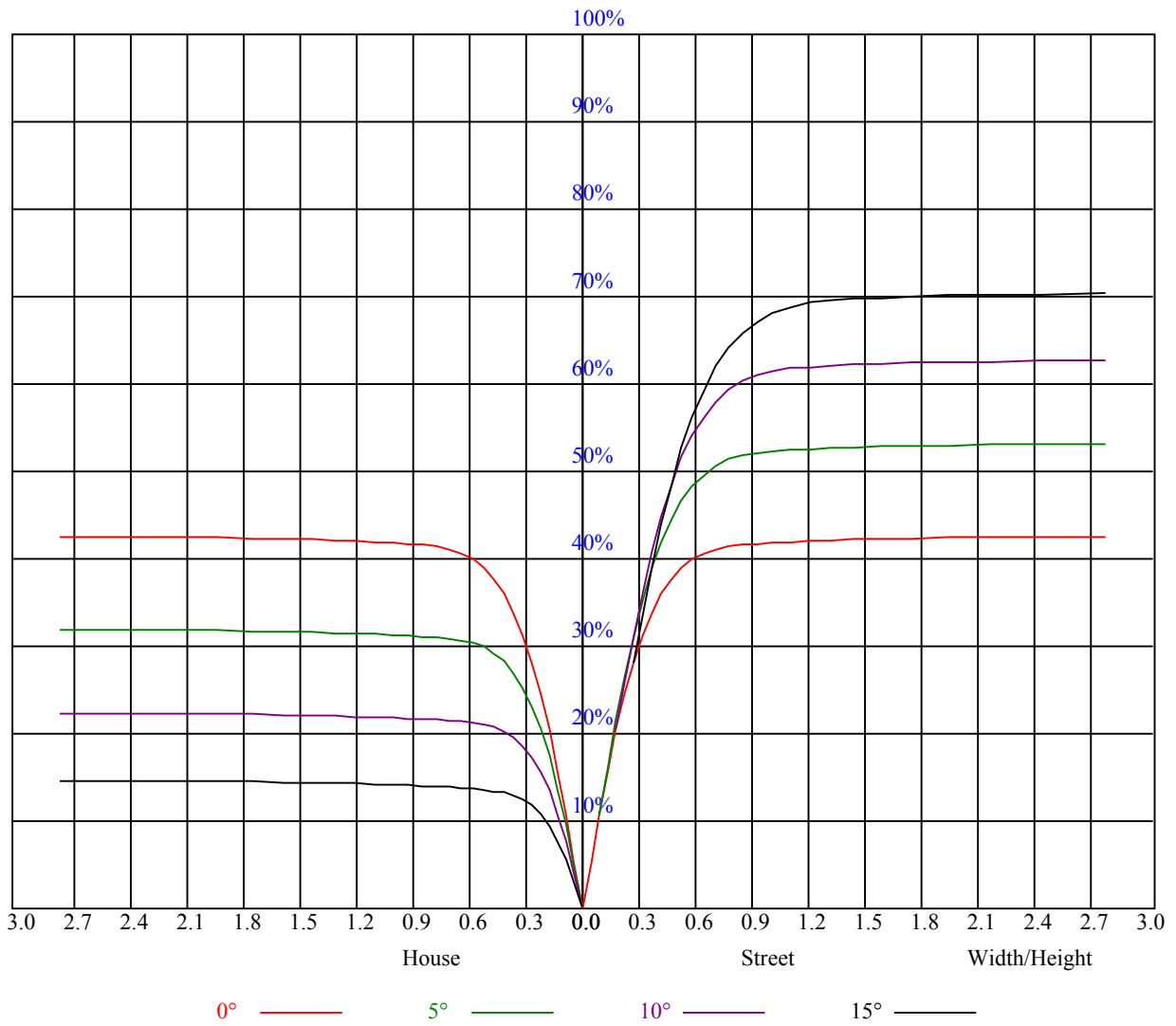


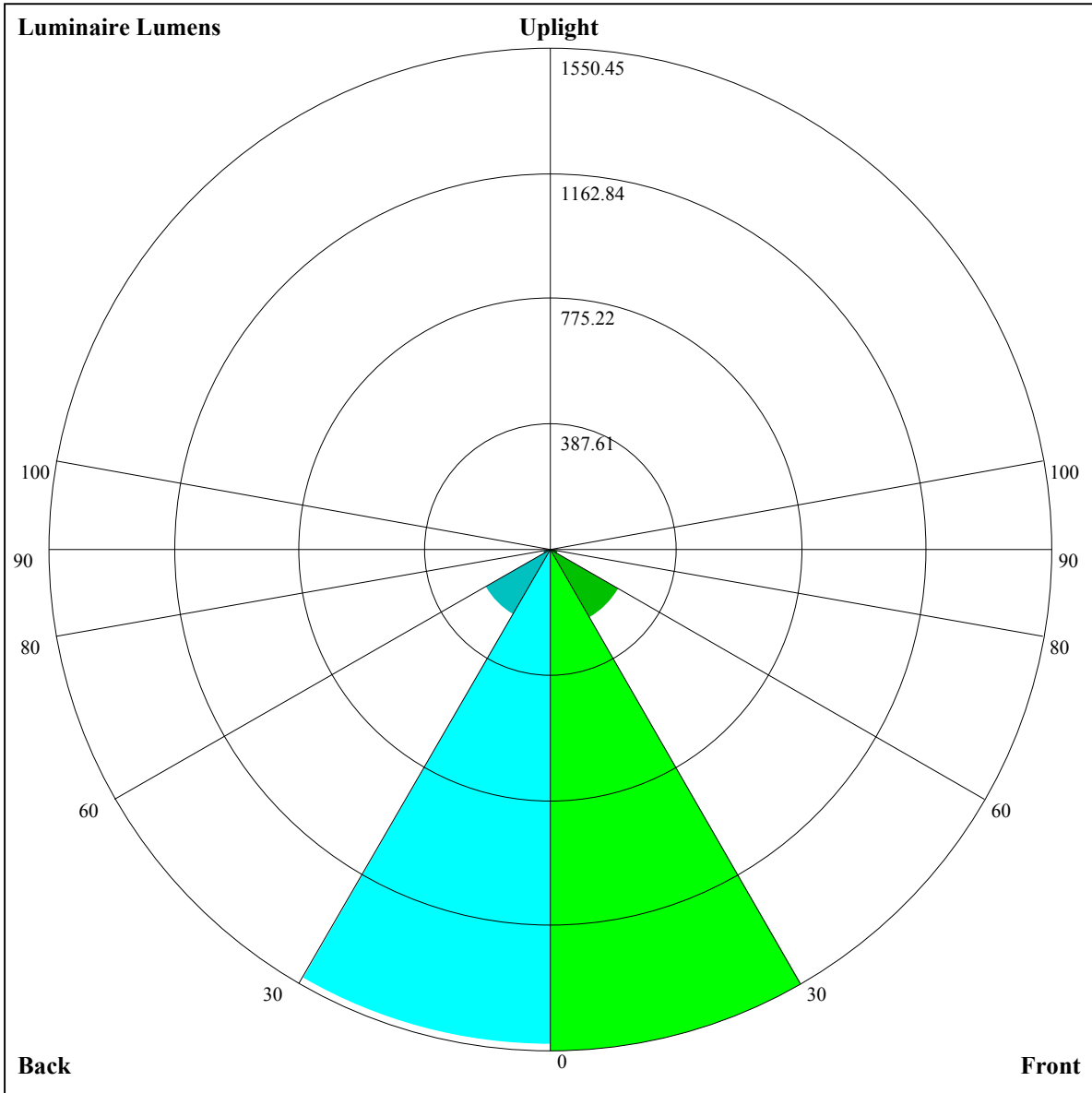
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
8H	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	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.95	0.93	0.92	0.94	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	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	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	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.59
8	0.66	0.62	0.59	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52





Luminaire Lumens:
FL=1550.45,FM=243.34,FH=26.68,FVH=9.06
BL=1528.55,BM=232.5,BH=26.52,BVH=9
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	8289.77	8264.02	8212.52	8132.93	7996.57	7860.22	7703.96	7467.53	7251.58
45.0	8270.46	8288.60	8271.63	8228.91	8123.57	8017.06	7885.38	7686.40	7498.55
90.0	8282.75	8258.17	8186.77	8094.31	7976.68	7792.91	7620.86	7425.39	7203.01
135.0	8268.12	8266.95	8237.69	8179.75	8067.97	7942.15	7788.82	7619.69	7368.04
180.0	8289.77	8270.46	8217.79	8138.20	8029.93	7859.63	7702.79	7513.18	7296.06
225.0	8270.46	8196.72	8110.11	8001.25	7865.48	7660.07	7462.26	7234.02	6916.25
270.0	8282.75	8278.07	8222.47	8145.81	8013.54	7885.97	7730.30	7541.27	7273.23
315.0	8268.12	8224.23	8152.24	8062.12	7917.57	7765.41	7586.92	7331.17	7085.96
360.0	8289.77	8264.02	8212.52	8132.93	7996.57	7860.22	7703.96	7467.53	7251.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6939.66	6661.09	6358.53	6051.87	5646.89	5333.80	5023.63	4714.05	4330.72
45.0	7235.78	6992.33	6727.22	6445.14	6064.75	5755.16	5439.72	5123.12	4734.53
90.0	6954.87	6611.93	6316.39	6007.39	5618.80	5306.88	4995.54	4609.88	4306.14
135.0	7136.29	6884.06	6536.44	6235.05	5930.14	5531.61	5215.00	4901.90	4513.90
180.0	6996.42	6723.71	6350.33	6037.24	5720.05	5319.17	5007.83	4707.61	4323.12
225.0	6635.92	6347.41	5965.26	5646.31	5329.12	4930.58	4623.92	4319.02	3939.21
270.0	7035.63	6771.70	6479.08	6094.01	5777.40	5452.60	5127.80	4734.53	4419.68
315.0	6816.76	6458.02	6154.28	5840.60	5523.41	5122.53	4811.78	4501.61	4194.95
360.0	6939.66	6661.09	6358.53	6051.87	5646.89	5333.80	5023.63	4714.05	4330.72
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4031.67	3733.79	3370.95	3087.12	2819.67	2508.33	2295.90	2113.31	1921.35
45.0	4431.38	4128.82	3826.84	3465.18	3180.76	2845.42	2600.80	2380.17	2138.47
90.0	3929.84	3632.55	3346.96	3068.98	2741.25	2505.99	2297.07	2115.06	1958.81
135.0	4210.75	3916.97	3623.19	3264.44	2990.56	2733.64	2501.90	2247.91	2075.27
180.0	4005.92	3702.78	3427.14	3066.05	2793.92	2563.93	2336.28	2115.06	1952.37
225.0	3635.48	3342.86	3061.37	2798.02	2497.21	2284.19	2097.50	1904.38	1769.78
270.0	4026.41	3728.53	3449.96	3090.05	2814.99	2589.68	2305.26	2129.11	1971.10
315.0	3815.73	3521.36	3171.98	2905.70	2656.98	2385.44	2189.97	2025.52	1842.35
360.0	4031.67	3733.79	3370.95	3087.12	2819.67	2508.33	2295.90	2113.31	1921.35
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1785.58	1652.73	1501.75	1147.86	1147.86	1000.56	861.57	692.79	563.69
45.0	1974.02	1829.47	1662.68	1515.21	1363.63	1209.72	1017.76	866.78	722.23
90.0	1780.90	1645.71	1345.49	1150.38	1150.38	958.07	806.85	664.46	502.24
135.0	1919.60	1745.20	1601.23	1401.67	1240.15	1083.90	897.21	758.51	626.25
180.0	1820.11	1643.96	1495.31	1295.16	1126.62	973.87	828.74	652.00	529.10
225.0	1600.06	1330.27	1133.64	1094.72	942.39	793.68	655.63	498.26	386.95
270.0	1828.30	1698.97	1522.23	1356.02	1196.84	1006.65	853.32	702.33	539.05
315.0	1714.18	1570.22	1138.61	1138.61	1060.78	913.42	771.97	609.86	491.88
360.0	1785.58	1652.73	1501.75	1147.86	1147.86	1000.56	861.57	692.79	563.69
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	446.64	317.25	228.88	161.41	119.21	109.85	100.42	93.87	87.84
45.0	588.79	436.05	330.13	305.55	202.37	118.57	107.56	99.31	93.52
90.0	387.89	291.15	211.44	141.33	113.53	102.18	95.57	88.66	83.86
135.0	506.28	369.34	296.18	296.18	134.66	109.79	102.30	95.74	88.95
180.0	418.49	319.01	296.18	198.45	117.75	107.74	98.67	92.76	87.61
225.0	291.97	213.31	143.09	116.11	107.33	100.25	92.82	87.37	81.76
270.0	420.25	316.08	316.08	145.60	115.06	103.88	97.62	92.29	86.79
315.0	383.73	266.34	191.31	130.33	112.54	105.05	97.97	89.95	85.09
360.0	446.64	317.25	228.88	161.41	119.21	109.85	100.42	93.87	87.84

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	83.22	77.78	73.86	70.46	67.18	63.20	60.28	57.59	54.95
45.0	86.50	81.23	77.25	73.68	70.34	66.19	63.15	60.22	57.59
90.0	79.71	74.97	71.46	68.35	64.61	61.62	58.35	55.77	53.37
135.0	84.39	80.35	75.49	72.04	68.65	64.61	61.62	58.87	56.30
180.0	82.05	77.95	73.33	69.93	66.66	63.56	59.87	57.18	54.60
225.0	77.60	73.86	69.58	66.31	63.20	60.22	56.88	54.31	51.85
270.0	82.69	78.01	74.38	71.05	67.13	64.14	61.21	57.88	55.25
315.0	80.82	76.78	72.16	68.82	65.55	62.38	58.87	56.12	52.85
360.0	83.22	77.78	73.86	70.46	67.18	63.20	60.28	57.59	54.95
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.79	49.33	46.47	44.13	42.02	39.74	37.86	36.23	34.76
45.0	54.48	51.97	48.98	46.82	44.54	41.90	40.03	38.22	36.46
90.0	50.86	47.99	45.76	43.60	41.55	39.74	37.45	35.87	34.35
135.0	53.08	50.62	48.28	46.12	43.42	41.38	39.50	37.28	35.70
180.0	52.03	49.04	46.88	44.59	42.02	40.15	38.27	36.23	34.70
225.0	49.39	46.58	44.42	42.37	40.03	38.22	36.46	34.59	33.07
270.0	52.14	49.74	47.52	45.30	42.66	40.79	38.92	37.16	35.23
315.0	50.33	48.05	45.35	43.13	41.14	38.80	37.04	35.46	34.00
360.0	51.79	49.33	46.47	44.13	42.02	39.74	37.86	36.23	34.76
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	32.89	31.54	30.49	29.38	27.80	26.86	26.04	24.87	23.99
45.0	34.59	33.07	31.78	30.67	29.20	28.03	27.10	26.04	25.16
90.0	32.66	31.37	29.96	28.73	27.68	26.51	25.57	24.70	23.94
135.0	33.83	32.36	31.08	30.08	28.50	27.39	26.57	25.75	24.58
180.0	32.83	31.49	30.31	29.14	27.68	26.74	25.93	25.05	23.99
225.0	31.43	30.20	29.09	27.92	26.69	25.81	24.99	24.11	23.41
270.0	33.77	32.25	30.72	29.55	28.32	27.04	26.22	25.28	24.17
315.0	32.19	30.90	29.73	28.56	27.21	26.28	25.40	24.35	23.53
360.0	32.89	31.54	30.49	29.38	27.80	26.86	26.04	24.87	23.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.29	22.47	21.83	21.19	20.60	20.07	19.61	19.02	18.61
45.0	24.23	23.35	22.65	21.89	21.30	20.78	20.25	19.72	19.31
90.0	23.06	22.41	21.71	21.19	20.60	20.13	19.72	19.14	18.73
135.0	23.76	23.06	22.41	21.65	21.19	20.54	20.01	19.66	19.08
180.0	23.29	22.65	21.95	21.24	20.72	20.13	19.66	19.20	18.61
225.0	22.53	21.83	21.24	20.60	20.07	19.55	19.14	18.73	18.08
270.0	23.53	22.82	22.12	21.30	20.83	20.25	19.72	19.20	18.79
315.0	22.88	22.06	21.36	20.78	20.13	19.66	19.20	18.73	18.20
360.0	23.29	22.47	21.83	21.19	20.60	20.07	19.61	19.02	18.61
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.14	17.91	17.44	16.74	16.27	16.04	15.80	15.45	15.16
45.0	18.90	18.38	17.91	17.38	16.62	16.33	16.04	15.63	15.39
90.0	18.32	17.85	17.26	16.68	16.21	15.86	15.57	15.33	15.04
135.0	18.61	18.08	17.62	17.03	16.50	16.15	15.80	15.45	15.27
180.0	18.14	17.73	17.21	16.62	16.21	15.98	15.57	15.39	14.98
225.0	17.67	17.26	16.80	16.21	15.92	15.68	15.45	15.04	15.16
270.0	18.20	17.67	17.21	16.85	16.27	15.86	15.63	15.45	15.04
315.0	17.79	17.44	17.03	16.39	16.09	15.74	15.45	15.57	15.04
360.0	18.14	17.91	17.44	16.74	16.27	16.04	15.80	15.45	15.16

Intensity data(cd)

C/γ(°)	90.0
0.0	15.04
45.0	15.04
90.0	15.04
135.0	14.98
180.0	15.10
225.0	15.10
270.0	15.27
315.0	15.33
360.0	15.04