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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT

LumCAT: 61-0226

Luminaire: 92.70.427.00

Report No: 20241107-B0013

Ballast type: AC

Test No: 20241107-C013

Voltage(V): 35.620

LampCAT: CITIZEN CLU7A2 LES4.5

Current(A): 0.137

Lamp flux(lm): 521.0

Power (W): 4.880

Number of Lamps: 1

PF: 0.000

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 17

Photometric Results

Lumens(lm): 495.59, Efficiency(%): 95.12% , Luminous Efficacy(lm/W): 101.56

Central intensity(cd): 5381.642, Maximum intensity(cd): 5381.642

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=14.8

[C90/270]Total=14.8

Field angle(10%Imax): [C0/180]Total=27.6

[C90/270]Total=27.6

Maximum s/h(1/2): C0_180=0.25 C90_270=0.25

Maximum s/h(1/4): C0_180=0.25 C90_270=0.25

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.12%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.550%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/11/7
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	5381.641	0.000	0	0.00%	0.00%
1.0	5312.841	5.117	5.117	0.98%	1.03%
2.0	5113.499	14.965	20.082	2.87%	4.05%
3.0	4806.548	23.725	43.807	4.55%	8.84%
4.0	4408.558	30.846	74.653	5.92%	15.06%
5.0	3952.266	35.968	110.621	6.90%	22.32%
6.0	3415.834	38.721	149.343	7.43%	30.13%
7.0	2889.826	39.139	188.482	7.51%	38.03%
8.0	2327.575	37.340	225.822	7.17%	45.57%
9.0	1760.093	33.128	258.95	6.36%	52.25%
10.0	1409.781	28.686	287.636	5.51%	58.04%
11.0	1140.640	25.484	313.12	4.89%	63.18%
12.0	869.696	21.976	335.096	4.22%	67.62%
13.0	665.818	18.223	353.319	3.50%	71.29%
14.0	513.345	15.093	368.412	2.90%	74.34%
15.0	399.800	12.536	380.948	2.41%	76.87%
16.0	313.560	10.453	391.401	2.01%	78.98%
17.0	265.429	9.016	400.417	1.73%	80.80%
18.0	229.598	8.162	408.579	1.57%	82.44%
19.0	167.671	6.912	415.491	1.33%	83.84%
20.0	125.011	5.357	420.847	1.03%	84.92%
21.0	100.970	4.339	425.187	0.83%	85.79%
22.0	82.144	3.680	428.867	0.71%	86.54%
23.0	66.584	3.121	431.987	0.60%	87.17%
24.0	54.664	2.651	434.638	0.51%	87.70%
25.0	46.039	2.290	436.928	0.44%	88.16%
26.0	39.572	2.021	438.949	0.39%	88.57%
27.0	34.422	1.810	440.759	0.35%	88.94%
28.0	30.454	1.643	442.402	0.32%	89.27%
29.0	27.729	1.522	443.924	0.29%	89.58%
30.0	25.472	1.436	445.36	0.28%	89.86%
31.0	23.596	1.365	446.726	0.26%	90.14%
32.0	22.059	1.308	448.034	0.25%	90.40%
33.0	20.761	1.261	449.295	0.24%	90.66%
34.0	19.678	1.224	450.519	0.23%	90.91%
35.0	18.672	1.191	451.71	0.23%	91.15%
36.0	17.798	1.161	452.871	0.22%	91.38%
37.0	17.085	1.138	454.009	0.22%	91.61%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	16.430	1.119	455.128	0.21%	91.84%
39.0	15.805	1.100	456.228	0.21%	92.06%
40.0	15.260	1.083	457.311	0.21%	92.28%
41.0	14.784	1.070	458.381	0.21%	92.49%
42.0	14.353	1.059	459.44	0.20%	92.71%
43.0	14.012	1.051	460.49	0.20%	92.92%
44.0	13.734	1.047	461.538	0.20%	93.13%
45.0	13.585	1.050	462.588	0.20%	93.34%
46.0	13.515	1.060	463.647	0.20%	93.55%
47.0	13.526	1.075	464.723	0.21%	93.77%
48.0	13.541	1.094	465.817	0.21%	93.99%
49.0	13.544	1.112	466.929	0.21%	94.22%
50.0	13.475	1.127	468.056	0.22%	94.44%
51.0	13.307	1.133	469.189	0.22%	94.67%
52.0	12.981	1.128	470.317	0.22%	94.90%
53.0	12.590	1.112	471.429	0.21%	95.13%
54.0	12.140	1.090	472.519	0.21%	95.35%
55.0	11.705	1.064	473.584	0.20%	95.56%
56.0	11.244	1.037	474.621	0.20%	95.77%
57.0	10.812	1.008	475.629	0.19%	95.97%
58.0	10.391	0.981	476.609	0.19%	96.17%
59.0	9.985	0.953	477.562	0.18%	96.36%
60.0	9.616	0.926	478.488	0.18%	96.55%
61.0	9.217	0.899	479.387	0.17%	96.73%
62.0	8.822	0.869	480.256	0.17%	96.91%
63.0	8.471	0.841	481.097	0.16%	97.08%
64.0	8.083	0.812	481.91	0.16%	97.24%
65.0	7.707	0.781	482.691	0.15%	97.40%
66.0	7.356	0.752	483.443	0.14%	97.55%
67.0	7.045	0.724	484.167	0.14%	97.70%
68.0	6.745	0.699	484.865	0.13%	97.84%
69.0	6.452	0.673	485.538	0.13%	97.97%
70.0	6.174	0.648	486.187	0.12%	98.10%
71.0	5.918	0.625	486.812	0.12%	98.23%
72.0	5.680	0.603	487.415	0.12%	98.35%
73.0	5.435	0.581	487.996	0.11%	98.47%
74.0	5.205	0.559	488.556	0.11%	98.58%
75.0	5.004	0.539	489.095	0.10%	98.69%

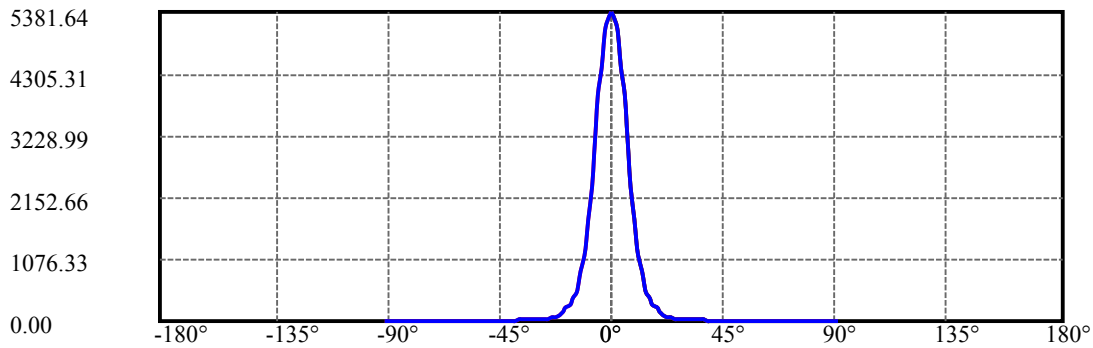
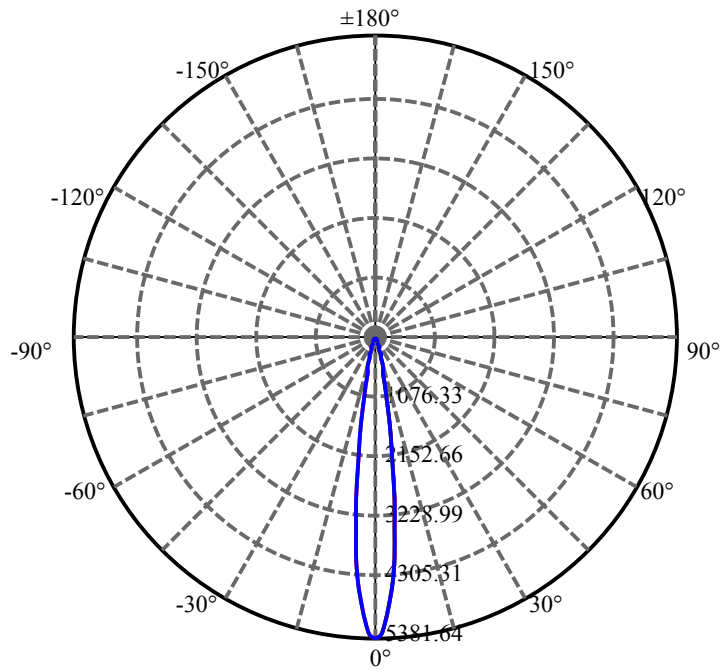
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.824	0.522	489.617	0.10%	98.80%
77.0	4.689	0.507	490.124	0.10%	98.90%
78.0	4.535	0.494	490.618	0.09%	99.00%
79.0	4.386	0.479	491.097	0.09%	99.09%
80.0	4.261	0.466	491.563	0.09%	99.19%
81.0	4.140	0.454	492.017	0.09%	99.28%
82.0	4.031	0.443	492.461	0.09%	99.37%
83.0	3.939	0.433	492.894	0.08%	99.46%
84.0	3.833	0.423	493.317	0.08%	99.54%
85.0	3.713	0.412	493.729	0.08%	99.62%
86.0	3.599	0.400	494.129	0.08%	99.71%
87.0	3.493	0.388	494.517	0.07%	99.78%
88.0	3.387	0.377	494.894	0.07%	99.86%
89.0	3.164	0.359	495.253	0.07%	99.93%
90.0	2.955	0.336	495.588	0.06%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	445.36	85.48%	89.86%
0-40	457.31	87.78%	92.28%
0-60	478.49	91.84%	96.55%
0-90	495.25	95.06%	99.93%
0-120	495.25	95.06%	99.93%
0-180	495.59	95.12%	100.00%
60-90	16.76	3.22%	3.38%
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%
0-16.56	396.47	76.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	287.64
10-20	133.21
20-30	24.51
30-40	11.95
40-50	10.74
50-60	10.43
60-70	7.70
70-80	5.38
80-90	3.69
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: —————

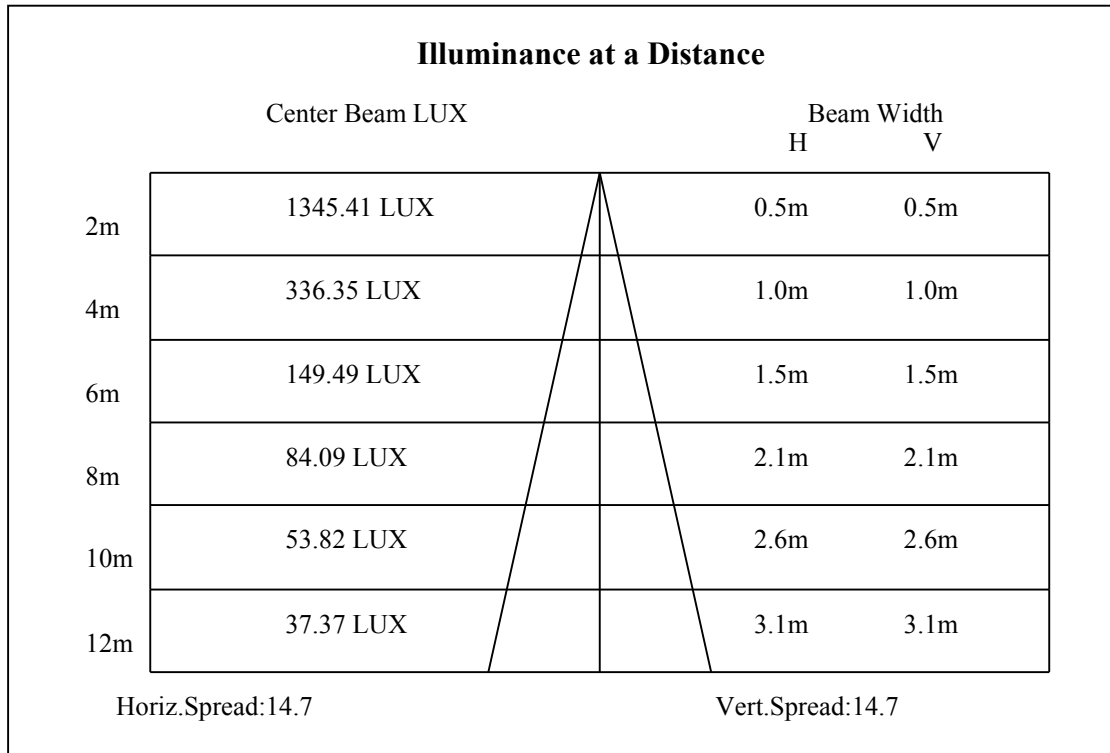
C90/C270: —————

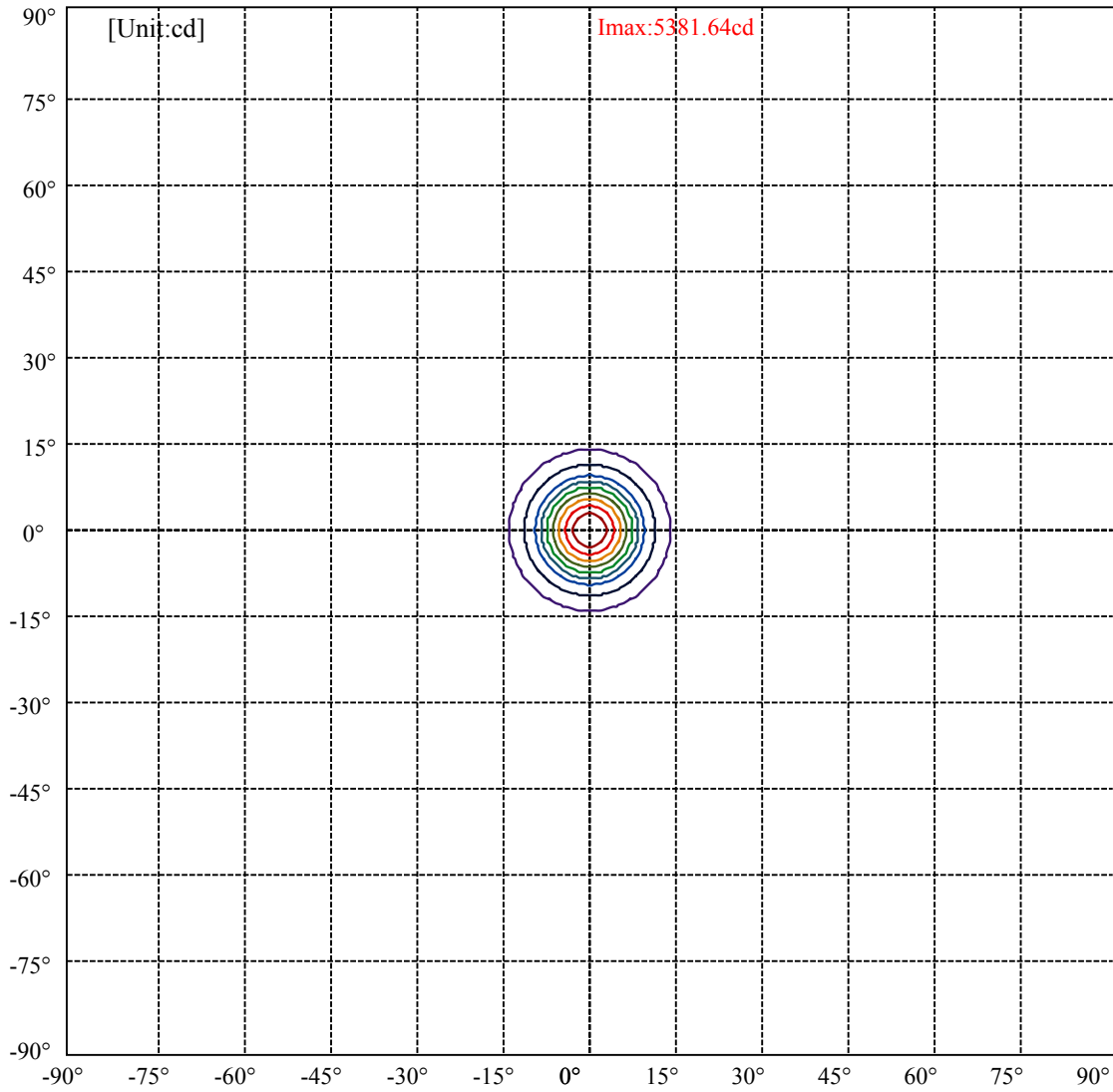
Field angle(10%Imax):C0/180Left:13.8 Right:13.8

:C90/270Left:13.8 Right:13.8

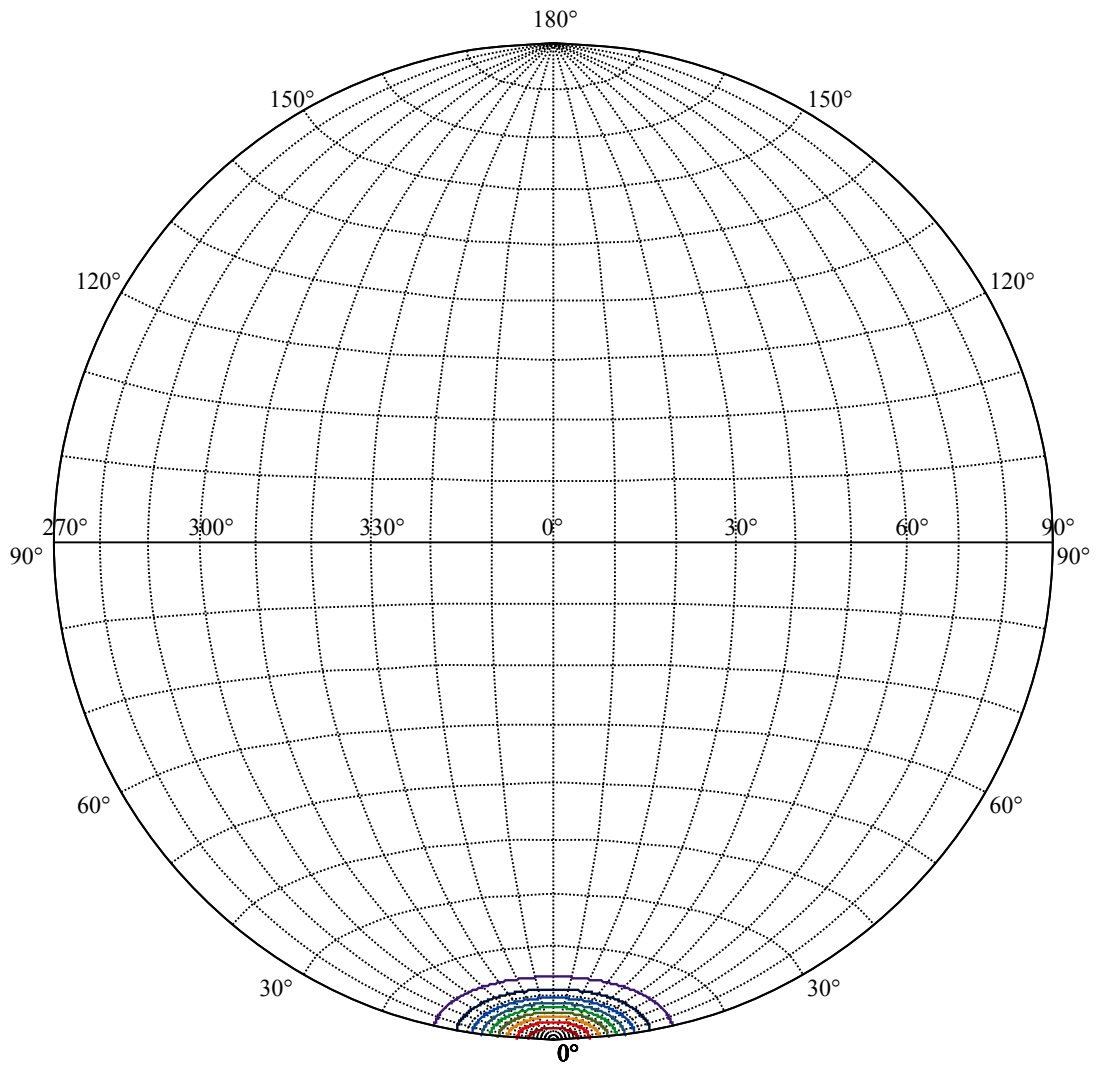
Beam Angle(50%Imax):C0/180Left:7.4 Right:7.4

:C90/270Left:7.4 Right:7.4





(10%Imax) 538.164	—
(20%Imax) 1076.33	—
(30%Imax) 1614.49	—
(40%Imax) 2152.66	—
(50%Imax) 2690.82	—
(60%Imax) 3228.99	—
(70%Imax) 3767.15	—
(80%Imax) 4305.31	—
(90%Imax) 4843.48	—



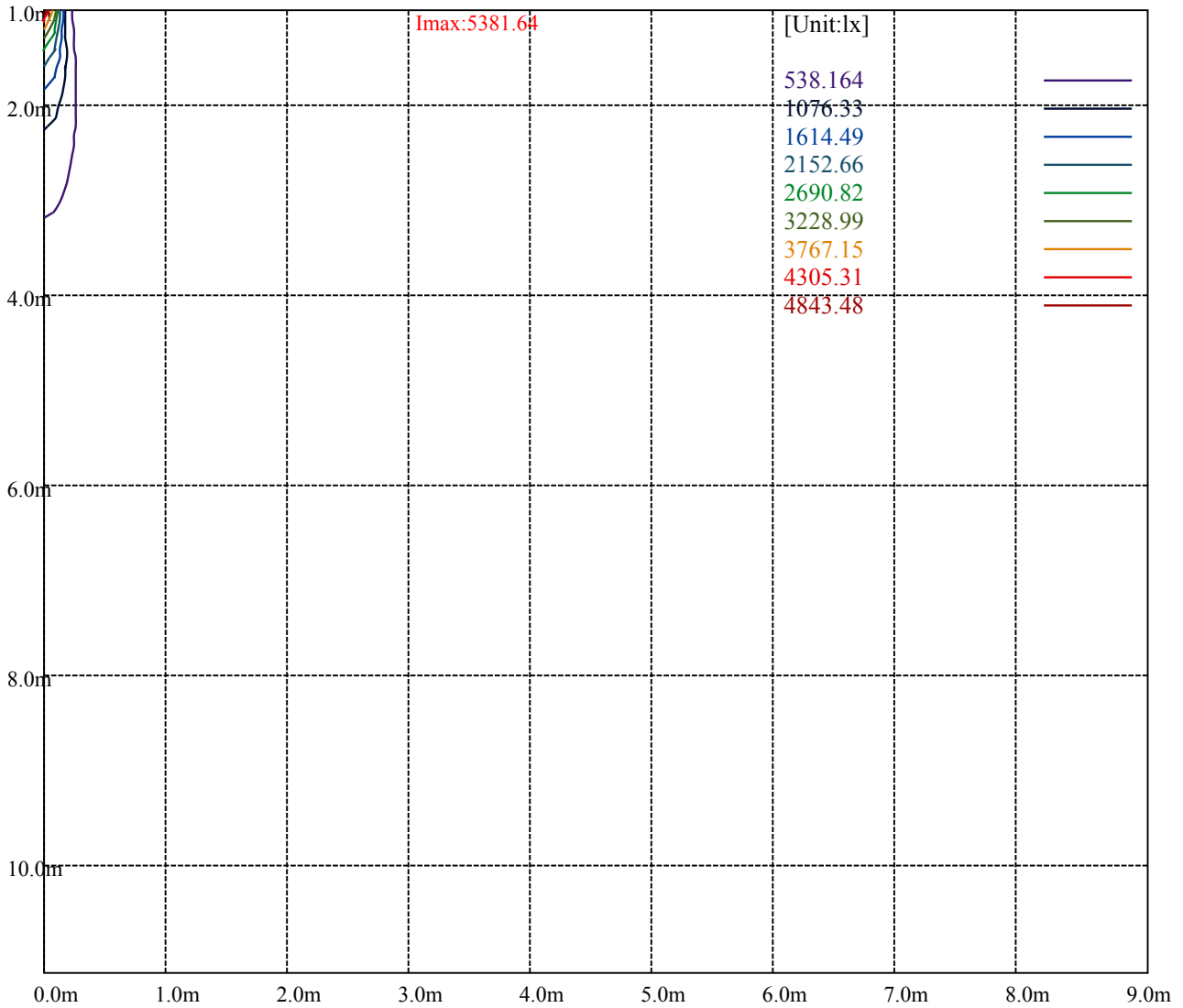
House

[Unit:cd]

Road

Imax:5381.64

(10%Imax)	538.164	—
(20%Imax)	1076.33	—
(30%Imax)	1614.49	—
(40%Imax)	2152.66	—
(50%Imax)	2690.82	—
(60%Imax)	3228.99	—
(70%Imax)	3767.15	—
(80%Imax)	4305.31	—
(90%Imax)	4843.48	—



Luminance Table

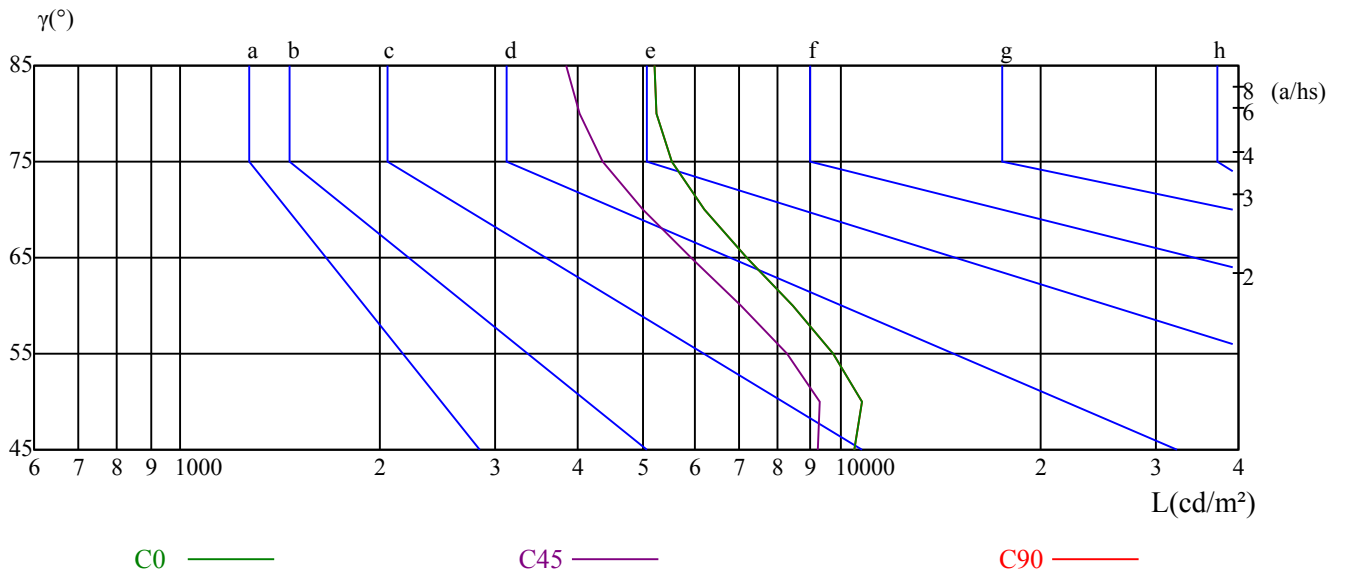
γ	45	50	55	60	65	70	75	80	85
C0	10475	10746	9742	8436	7205	6229	5527	5245	5204
C45	9209	9311	8312	7079	5936	5027	4355	4017	3848
C90	10475	10746	9742	8436	7205	6229	5527	5245	5204

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
14886	14886	14886	15782	15782	15782	34773	34773	34773

Glare Table

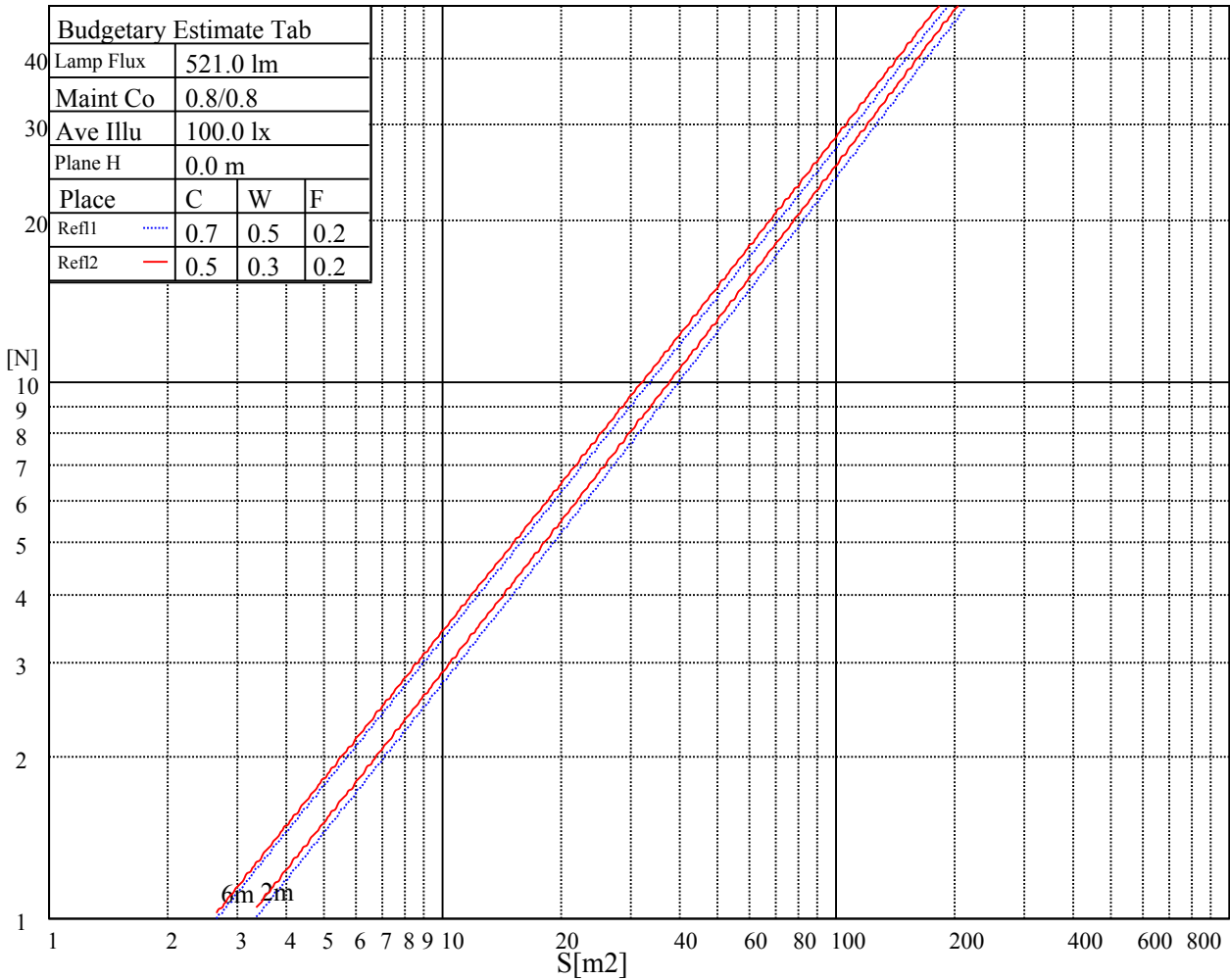
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

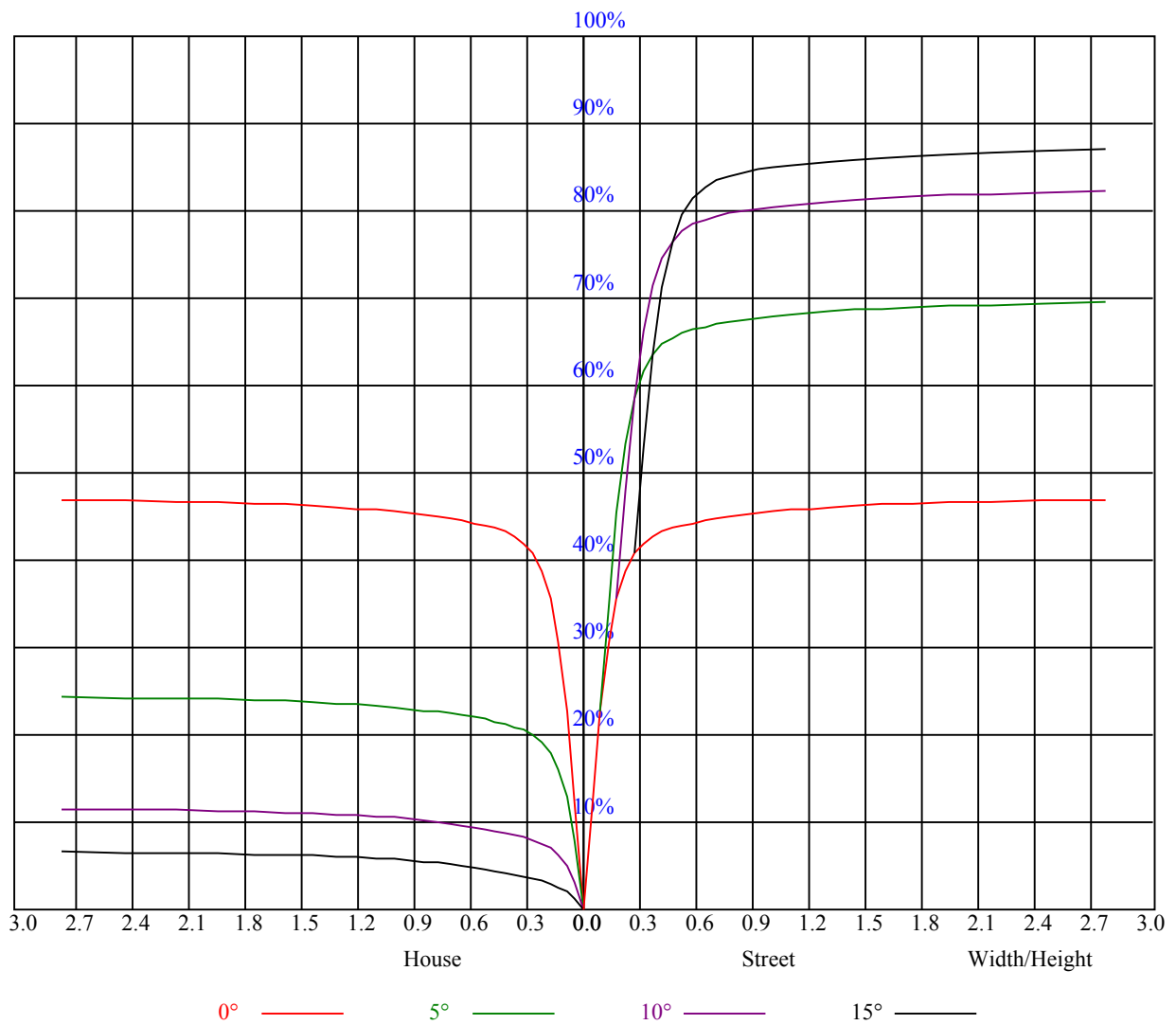


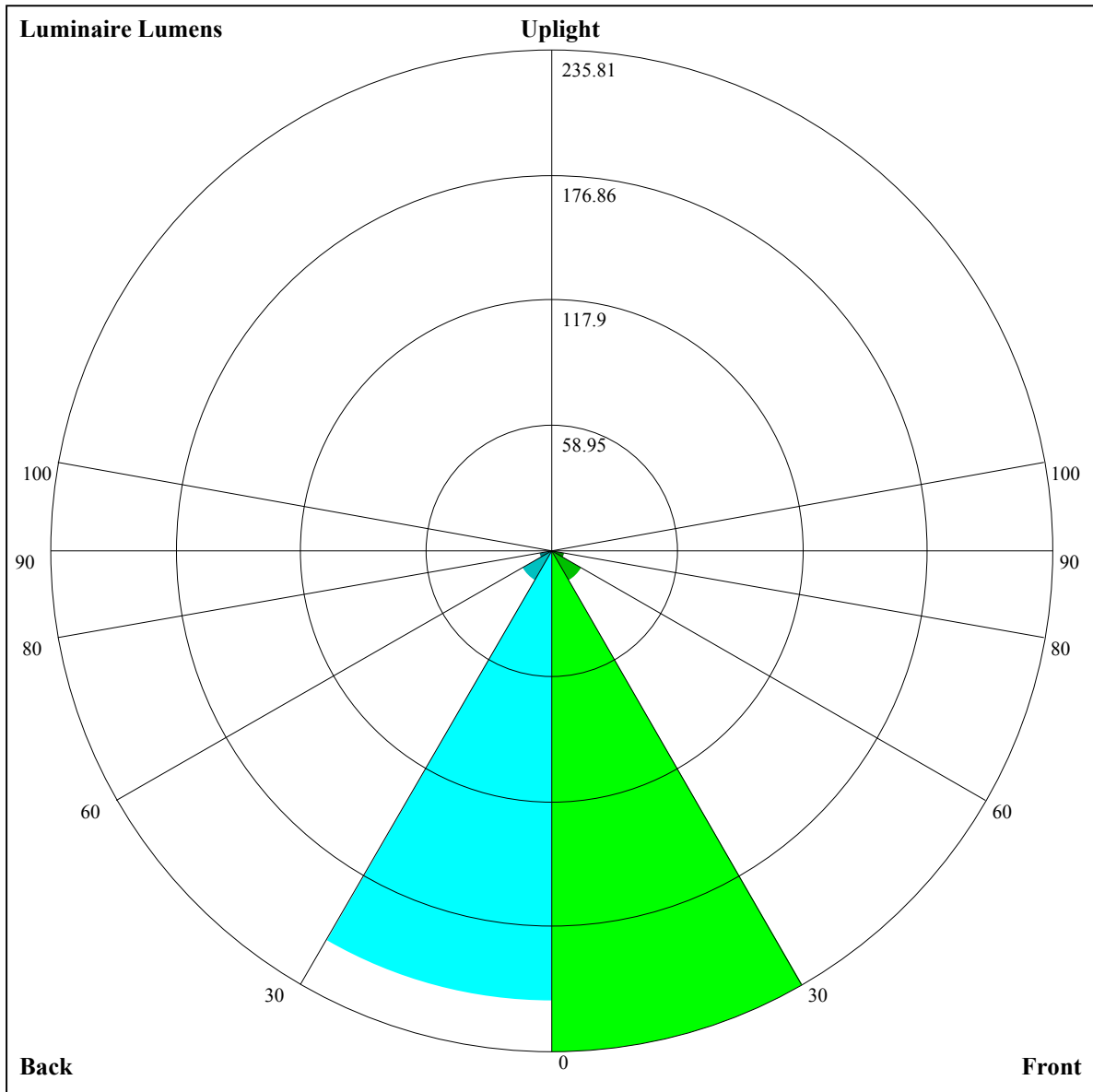
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.51	14.51	13.87	14.82	15.13	13.20	14.20	13.56	14.51	14.83
	3H	14.98	15.87	15.37	16.21	16.56	14.61	15.50	14.99	15.84	16.18
	4H	15.61	16.43	16.01	16.79	17.16	15.20	16.03	15.60	16.39	16.75
	6H	16.25	17.01	16.67	17.38	17.78	15.83	16.59	16.25	16.96	17.36
	8H	16.54	17.27	16.96	17.65	18.06	16.12	16.85	16.55	17.24	17.64
	12H	16.84	17.53	17.27	17.92	18.34	16.43	17.12	16.86	17.52	17.93
4H	2H	14.02	14.85	14.43	15.21	15.58	13.78	14.61	14.19	14.97	15.34
	3H	15.63	16.33	16.06	16.73	17.15	15.33	16.03	15.75	16.42	16.84
	4H	16.44	17.04	16.87	17.47	17.92	16.10	16.71	16.54	17.13	17.58
	6H	17.19	17.72	17.66	18.18	18.63	16.84	17.37	17.31	17.83	18.28
	8H	17.58	18.08	18.07	18.54	19.01	17.24	17.74	17.72	18.20	18.67
	12H	18.00	18.46	18.49	18.91	19.43	17.66	18.12	18.14	18.57	19.09
8H	4H	16.63	17.13	17.12	17.59	18.06	16.34	16.84	16.82	17.29	17.77
	6H	17.57	17.98	18.07	18.46	18.97	17.27	17.68	17.78	18.16	18.67
	8H	18.14	18.49	18.68	19.01	19.51	17.86	18.20	18.39	18.72	19.22
	12H	18.71	18.98	19.25	19.50	20.02	18.43	18.70	18.97	19.22	19.74
12H	4H	16.66	17.12	17.15	17.57	18.09	16.37	16.83	16.86	17.29	17.81
	6H	17.70	18.04	18.23	18.57	19.06	17.42	17.76	17.95	18.28	18.78
	8H	18.30	18.57	18.84	19.09	19.61	18.03	18.30	18.58	18.82	19.34
Variation with the observer position at spacings:											
S = 1.0H	0.3/-0.7					0.3/-0.7					
S = 1.5H	0.5/-0.7					0.5/-0.7					
S = 2.0H	0.5/-0.8					0.5/-0.8					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	2.0					2.0					

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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.02	0.99	0.97	1.01	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.92	0.91	0.90	0.88
3	0.98	0.95	0.92	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.89	0.90	0.89	0.87	0.86
4	0.95	0.91	0.88	0.94	0.90	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.89	0.87	0.85	0.84
5	0.92	0.88	0.86	0.91	0.88	0.85	0.90	0.87	0.85	0.88	0.86	0.84	0.87	0.85	0.83	0.82
6	0.90	0.86	0.83	0.89	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.81
7	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.82	0.80	0.84	0.82	0.80	0.79
8	0.86	0.82	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.84	0.81	0.79	0.83	0.80	0.79	0.78
9	0.84	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.78	0.82	0.80	0.78	0.82	0.79	0.77	0.77
10	0.82	0.79	0.77	0.82	0.79	0.77	0.82	0.79	0.77	0.81	0.78	0.77	0.80	0.78	0.76	0.76





Luminaire Lumens:

FL=235.81,FM=16.66,FH=6.63,FVH=2.03

BL=211.97,BM=16.42,BH=6.42,BVH=1.99

UL=0,UH=0

BUG Rating:B1-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	5419.24	5391.15	5194.52	4925.90	4567.74	4141.11	3556.47	3068.39	2585.58
22.5	5322.09	5399.93	5365.40	5162.91	4880.25	4508.63	3956.76	3480.39	2991.73
45.0	5387.05	5262.99	5042.36	4734.53	4340.67	3888.88	3290.19	2807.38	2332.18
67.5	5360.13	5372.42	5252.45	5024.22	4608.12	4185.59	3717.41	3103.51	2623.62
90.0	5359.55	5201.54	4862.69	4498.10	4062.11	3455.23	2967.15	2489.02	1924.28
112.5	5418.07	5378.86	5166.42	4884.35	4508.05	3940.96	3450.55	2951.93	2353.25
135.0	5355.45	5100.88	4790.71	4399.19	3820.99	3322.97	2711.41	2242.64	1488.87
157.5	5431.53	5378.28	5209.15	4853.91	4467.08	4008.26	3386.76	2888.14	2294.14
180.0	5419.24	5328.53	5125.46	4739.80	4335.99	3874.25	3253.91	2751.79	2274.83
202.5	5322.09	5072.20	4764.38	4259.91	3795.24	3298.39	2799.19	2196.41	1137.21
225.0	5387.05	5356.04	5210.90	4959.26	4520.34	4088.44	3614.99	2995.24	2509.50
247.5	5360.13	5223.78	4906.00	4552.52	4128.82	3660.64	3165.54	2552.22	2086.97
270.0	5359.55	5400.51	5323.27	5067.52	4761.45	4373.44	3930.43	3324.14	2834.30
292.5	5418.07	5339.07	5086.25	4780.76	4391.59	3946.23	3338.18	2844.25	2360.86
315.0	5355.45	5430.95	5385.30	5223.19	4883.76	4517.41	4089.03	3613.82	3002.85
337.5	5431.53	5368.33	5130.73	4838.70	4464.74	4025.82	3425.38	2927.94	2441.03
360.0	5419.24	5391.15	5194.52	4925.90	4567.74	4141.11	3556.47	3068.39	2585.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2014.99	1098.76	1098.76	899.84	691.44	539.52	401.99	318.60	254.40
22.5	2512.43	2060.64	1550.32	1206.79	925.88	663.70	515.64	405.62	303.21
45.0	1156.99	1156.99	1082.78	773.73	595.52	440.15	348.85	277.28	221.98
67.5	2163.05	1741.10	1281.70	989.09	758.51	588.79	437.81	347.68	310.23
90.0	1112.45	1112.45	854.14	658.61	517.22	412.64	314.50	254.57	207.46
112.5	1910.23	1516.96	1182.80	856.83	664.87	525.59	419.08	319.59	303.21
135.0	1106.89	1106.89	800.12	622.74	492.99	374.08	301.57	243.86	198.80
157.5	1855.22	1470.73	1145.93	830.49	646.15	511.55	407.38	309.06	309.06
180.0	1731.74	1356.02	1045.86	752.07	581.77	458.87	348.27	310.23	310.23
202.5	1137.21	1066.40	769.80	600.03	473.27	376.18	285.12	229.70	185.40
225.0	1944.18	1542.13	1200.94	927.05	668.97	527.35	417.91	313.15	296.77
247.5	1159.45	1159.45	958.66	746.92	589.20	442.43	353.53	282.90	214.78
270.0	2362.03	1814.26	1434.44	1117.25	809.42	637.95	508.03	382.21	309.64
292.5	1911.99	1123.05	1123.05	874.33	646.62	514.35	411.47	312.28	251.94
315.0	2523.55	2067.07	1557.34	1215.57	935.83	685.36	540.81	404.45	326.03
337.5	1559.10	1163.60	1163.60	843.78	655.39	515.00	384.84	305.78	243.75
360.0	2014.99	1098.76	1098.76	899.84	691.44	539.52	401.99	318.60	254.40
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	205.18	157.48	127.75	103.76	85.03	66.60	55.60	45.30	39.44
22.5	303.21	230.70	147.89	120.38	98.43	76.72	63.79	53.55	45.53
45.0	170.89	138.93	113.01	92.70	72.45	60.16	50.62	43.37	36.58
67.5	310.23	168.90	137.82	107.21	88.13	73.04	58.05	48.92	41.84
90.0	170.83	134.13	110.31	86.85	71.87	59.99	48.52	41.61	36.52
112.5	303.21	163.45	135.07	111.84	87.96	73.04	58.70	49.74	42.78
135.0	163.69	128.87	106.45	83.86	69.82	58.87	48.16	41.67	36.75
157.5	237.19	163.45	127.81	105.46	87.02	69.12	58.29	47.70	41.20
180.0	180.02	138.70	113.94	93.75	73.86	62.03	52.85	43.77	38.10
202.5	142.85	116.34	90.71	74.91	62.44	52.67	43.48	38.10	33.88
225.0	296.77	159.77	128.75	99.08	81.29	64.49	54.07	45.71	38.57
247.5	172.82	132.61	107.04	86.96	71.16	56.47	47.34	40.56	35.35
270.0	309.64	235.26	150.29	121.61	98.90	80.47	62.91	52.09	43.89
292.5	204.36	157.37	128.05	104.35	84.68	65.66	54.66	45.94	39.33
315.0	307.30	307.30	154.79	125.00	101.48	82.98	64.90	53.78	45.71
337.5	195.41	149.47	120.50	97.79	79.77	63.03	52.67	44.83	37.69
360.0	205.18	157.48	127.75	103.76	85.03	66.60	55.60	45.30	39.44

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	34.70	30.37	27.97	25.93	23.76	22.36	21.13	20.13	18.96
22.5	37.98	33.59	30.31	27.86	25.46	23.88	22.53	21.01	19.96
45.0	32.42	28.68	26.45	24.58	22.77	21.54	20.37	19.37	18.32
67.5	36.52	31.37	28.50	26.16	24.29	22.30	21.07	19.96	18.73
90.0	31.54	28.56	26.16	24.17	22.24	20.83	19.66	18.67	17.56
112.5	37.40	32.30	29.26	26.74	24.64	22.53	21.07	19.84	18.55
135.0	32.13	29.09	26.92	24.93	22.94	21.48	20.31	19.20	18.08
157.5	36.28	31.78	28.91	26.74	24.93	23.06	21.71	20.54	19.61
180.0	33.88	30.84	27.80	25.63	24.17	22.82	21.24	20.25	19.37
202.5	30.67	27.68	25.81	24.17	22.53	21.36	20.37	19.25	18.49
225.0	34.06	30.67	27.39	25.34	23.70	22.36	20.83	19.78	18.90
247.5	30.61	27.74	25.46	23.64	21.77	20.54	19.20	18.38	17.62
270.0	36.58	32.13	28.91	25.57	23.82	21.95	20.66	19.49	18.61
292.5	33.24	29.61	26.92	24.29	22.65	20.89	19.84	18.96	17.97
315.0	39.33	33.47	29.90	26.74	24.76	23.23	21.48	20.37	19.43
337.5	33.42	29.38	26.98	25.05	23.12	21.83	20.72	19.66	18.61
360.0	34.70	30.37	27.97	25.93	23.76	22.36	21.13	20.13	18.96
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	18.08	17.38	16.80	16.04	15.57	15.10	14.57	14.28	13.99
22.5	18.84	18.08	17.32	16.68	15.92	15.45	14.98	14.51	14.05
45.0	17.62	16.97	16.33	15.68	15.16	14.69	14.10	13.75	13.34
67.5	17.91	17.03	16.39	15.74	15.10	14.63	14.22	13.81	13.46
90.0	16.80	16.15	15.39	14.86	14.28	13.87	13.58	13.28	13.11
112.5	17.67	16.91	16.04	15.45	14.92	14.40	13.99	13.69	13.34
135.0	17.26	16.44	15.86	15.33	14.81	14.40	14.05	13.75	13.52
157.5	18.43	17.79	17.03	16.27	15.74	15.27	14.75	14.40	14.10
180.0	18.32	17.67	17.03	16.33	15.86	15.22	14.75	14.40	14.05
202.5	17.62	17.03	16.44	15.92	15.39	14.81	14.51	14.22	14.05
225.0	18.14	17.21	16.62	15.92	15.45	15.04	14.51	14.22	13.99
247.5	16.74	16.15	15.63	15.10	14.51	14.16	13.87	13.58	13.46
270.0	17.56	16.91	16.27	15.74	15.10	14.63	14.22	13.81	13.58
292.5	17.26	16.68	16.09	15.45	14.98	14.57	14.22	13.87	13.75
315.0	18.61	17.73	17.03	16.44	15.92	15.33	14.86	14.51	14.10
337.5	17.91	17.21	16.62	15.92	15.45	14.98	14.46	14.10	13.87
360.0	18.08	17.38	16.80	16.04	15.57	15.10	14.57	14.28	13.99
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	13.75	13.69	13.69	13.69	13.75	13.81	13.69	13.40	13.11
22.5	13.81	13.64	13.58	13.58	13.64	13.69	13.64	13.46	13.17
45.0	13.17	13.11	13.17	13.23	13.40	13.46	13.34	13.05	12.70
67.5	13.28	13.23	13.17	13.17	13.17	13.17	13.05	12.93	12.58
90.0	13.11	13.17	13.23	13.23	13.11	12.99	12.82	12.47	12.11
112.5	13.11	12.93	12.87	12.87	12.87	12.82	12.76	12.52	12.29
135.0	13.46	13.40	13.40	13.46	13.34	13.17	12.82	12.47	12.11
157.5	13.87	13.75	13.75	13.69	13.69	13.64	13.40	13.05	12.64
180.0	13.81	13.69	13.69	13.69	13.75	13.64	13.40	13.05	12.52
202.5	13.99	13.93	13.99	13.93	13.87	13.52	13.23	12.76	12.17
225.0	13.81	13.69	13.69	13.69	13.69	13.69	13.69	13.34	12.70
247.5	13.40	13.40	13.40	13.46	13.40	13.28	13.11	12.64	12.23
270.0	13.46	13.40	13.40	13.40	13.40	13.34	13.23	12.99	12.76
292.5	13.69	13.81	13.99	14.22	14.34	14.22	13.87	13.28	12.70
315.0	13.93	13.75	13.75	13.69	13.64	13.58	13.40	13.23	12.93
337.5	13.69	13.64	13.64	13.64	13.64	13.58	13.46	13.05	12.70
360.0	13.75	13.69	13.69	13.69	13.75	13.81	13.69	13.40	13.11

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.70	12.23	11.65	11.24	10.71	10.30	9.95	9.48	9.13
22.5	12.82	12.47	12.06	11.47	11.06	10.65	10.24	9.83	9.48
45.0	12.29	11.76	11.41	11.12	10.71	10.42	10.12	9.66	9.25
67.5	12.23	11.88	11.53	11.06	10.65	10.30	9.95	9.48	9.13
90.0	11.65	11.24	10.83	10.36	9.89	9.54	9.19	8.78	8.43
112.5	11.88	11.53	11.12	10.71	10.24	9.83	9.48	9.13	8.66
135.0	11.59	11.18	10.59	10.24	9.89	9.48	9.01	8.66	8.37
157.5	12.29	11.94	11.41	11.00	10.53	10.12	9.77	9.42	8.95
180.0	12.11	11.65	11.29	11.00	10.59	10.24	9.89	9.48	8.95
202.5	11.70	11.24	10.83	10.36	9.95	9.60	9.25	8.84	8.49
225.0	12.23	11.76	11.24	10.77	10.36	9.83	9.48	9.13	8.66
247.5	11.70	11.24	10.71	10.24	9.89	9.48	9.01	8.66	8.31
270.0	12.23	11.76	11.24	10.77	10.42	9.83	9.48	9.13	8.66
292.5	12.17	11.65	11.24	10.89	10.53	10.24	9.89	9.60	9.19
315.0	12.47	12.00	11.59	11.06	10.53	10.12	9.71	9.25	8.90
337.5	12.17	11.76	11.18	10.71	10.30	9.77	9.42	8.95	8.60
360.0	12.70	12.23	11.65	11.24	10.71	10.30	9.95	9.48	9.13
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.78	8.49	8.02	7.72	7.37	7.08	6.73	6.50	6.26
22.5	9.07	8.72	8.37	7.96	7.67	7.37	6.96	6.73	6.38
45.0	8.84	8.31	7.90	7.55	7.26	6.91	6.61	6.32	6.09
67.5	8.78	8.43	8.02	7.67	7.37	6.96	6.67	6.32	6.09
90.0	8.13	7.72	7.37	7.08	6.79	6.44	6.20	5.91	5.62
112.5	8.37	8.02	7.67	7.26	6.96	6.61	6.38	6.03	5.79
135.0	8.02	7.61	7.26	6.91	6.61	6.32	6.03	5.74	5.50
157.5	8.66	8.31	7.96	7.61	7.32	7.02	6.73	6.44	6.14
180.0	8.54	8.19	7.84	7.49	7.20	6.91	6.61	6.38	6.09
202.5	8.13	7.72	7.43	7.14	6.79	6.55	6.20	5.97	5.74
225.0	8.31	8.02	7.67	7.32	6.96	6.67	6.44	6.14	5.91
247.5	8.02	7.55	7.32	6.85	6.61	6.32	6.03	5.79	5.56
270.0	8.37	8.02	7.67	7.32	6.96	6.73	6.44	6.14	5.91
292.5	8.72	8.13	7.49	7.20	6.85	6.55	6.32	6.09	5.85
315.0	8.49	8.13	7.84	7.43	7.08	6.85	6.55	6.26	5.97
337.5	8.31	7.96	7.49	7.20	6.91	6.61	6.32	6.03	5.79
360.0	8.78	8.49	8.02	7.72	7.37	7.08	6.73	6.50	6.26
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.97	5.74	5.50	5.33	5.09	4.97	4.80	4.56	4.45
22.5	6.14	5.79	5.56	5.38	5.15	4.97	4.80	4.62	4.45
45.0	5.79	5.56	5.27	5.03	4.86	4.74	4.62	4.51	4.39
67.5	5.85	5.62	5.33	5.15	4.92	4.80	4.62	4.51	4.39
90.0	5.44	5.15	4.97	4.80	4.68	4.51	4.39	4.21	4.10
112.5	5.50	5.27	5.03	4.80	4.68	4.51	4.33	4.16	4.04
135.0	5.33	5.03	4.80	4.62	4.39	4.16	3.98	3.80	3.75
157.5	5.91	5.62	5.44	5.15	4.97	4.86	4.68	4.51	4.33
180.0	5.91	5.68	5.44	5.27	5.09	5.03	4.92	4.80	4.68
202.5	5.50	5.33	5.09	4.92	4.80	4.68	4.51	4.33	4.21
225.0	5.68	5.44	5.21	4.97	4.86	4.74	4.56	4.45	4.27
247.5	5.38	5.15	4.92	4.80	4.62	4.51	4.33	4.21	4.10
270.0	5.62	5.38	5.21	4.92	4.80	4.68	4.51	4.33	4.21
292.5	5.56	5.38	5.15	4.97	4.74	4.62	4.51	4.45	4.39
315.0	5.74	5.50	5.27	5.09	4.86	4.68	4.56	4.45	4.27
337.5	5.56	5.33	5.09	4.86	4.68	4.56	4.45	4.27	4.16
360.0	5.97	5.74	5.50	5.33	5.09	4.97	4.80	4.56	4.45

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.21	4.10	4.04	3.92	3.75	3.63	3.51	3.51	3.28
22.5	4.33	4.16	4.10	3.98	3.86	3.69	3.57	3.45	3.39
45.0	4.27	4.16	4.10	3.98	3.92	3.80	3.63	3.51	3.10
67.5	4.27	4.16	4.04	3.92	3.86	3.75	3.57	3.45	3.28
90.0	3.98	3.86	3.75	3.69	3.57	3.45	3.39	3.39	3.10
112.5	3.92	3.80	3.63	3.57	3.39	3.34	3.22	3.22	3.04
135.0	3.63	3.57	3.51	3.39	3.28	3.22	3.16	2.93	2.52
157.5	4.21	4.10	3.98	3.86	3.75	3.57	3.51	3.45	3.39
180.0	4.51	4.39	4.33	4.16	4.04	3.86	3.69	3.69	3.39
202.5	4.16	3.98	3.92	3.80	3.69	3.57	3.57	3.45	3.28
225.0	4.16	4.10	4.04	3.86	3.80	3.75	3.63	3.57	3.39
247.5	3.98	3.92	3.80	3.75	3.57	3.51	3.45	3.34	3.16
270.0	4.10	3.98	3.86	3.80	3.63	3.57	3.45	3.45	3.16
292.5	4.33	4.27	4.16	4.04	3.92	3.80	3.63	3.10	2.87
315.0	4.16	4.04	3.92	3.86	3.75	3.63	3.51	3.45	3.16
337.5	4.04	3.92	3.86	3.75	3.63	3.45	3.39	3.22	3.10
360.0	4.21	4.10	4.04	3.92	3.75	3.63	3.51	3.51	3.28
C/γ(°)	90.0								
0.0	3.10								
22.5	3.16								
45.0	2.87								
67.5	3.04								
90.0	3.04								
112.5	2.81								
135.0	2.57								
157.5	3.16								
180.0	3.10								
202.5	3.16								
225.0	3.22								
247.5	2.93								
270.0	2.98								
292.5	2.52								
315.0	2.98								
337.5	2.63								
360.0	3.10								