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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.412.00

Report No: 2024228-B021

Ballast type: AC

Test No: 2024228-C021

Voltage(V): 35.340

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.541

Lamp flux(lm): 2613.0

Power (W): 19.118

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2161.13, Efficiency(%): 82.71% , Luminous Efficacy(lm/W): 113.04

Central intensity(cd): 4853.330, Maximum intensity(cd): 4853.330

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0_180=0.61 C90_270=0.61

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.71%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.944%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/28
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	4853.329	0.000	0	0.00%	0.00%
1.0	4845.063	4.640	4.64	0.18%	0.21%
2.0	4819.606	13.872	18.512	0.53%	0.86%
3.0	4774.105	22.945	41.457	0.88%	1.92%
4.0	4714.192	31.760	73.218	1.22%	3.39%
5.0	4632.041	40.207	113.425	1.54%	5.25%
6.0	4544.038	48.223	161.647	1.85%	7.48%
7.0	4438.185	55.753	217.4	2.13%	10.06%
8.0	4316.605	62.656	280.056	2.40%	12.96%
9.0	4176.517	68.832	348.888	2.63%	16.14%
10.0	4023.554	74.208	423.096	2.84%	19.58%
11.0	3874.467	78.917	502.013	3.02%	23.23%
12.0	3696.120	82.757	584.771	3.17%	27.06%
13.0	3513.749	85.563	670.334	3.27%	31.02%
14.0	3336.792	87.686	758.02	3.36%	35.08%
15.0	3141.181	88.933	846.953	3.40%	39.19%
16.0	2943.960	89.164	936.117	3.41%	43.32%
17.0	2739.204	88.502	1024.619	3.39%	47.41%
18.0	2531.303	86.899	1111.518	3.33%	51.43%
19.0	2319.525	84.394	1195.913	3.23%	55.34%
20.0	2122.377	81.299	1277.212	3.11%	59.10%
21.0	1921.937	77.659	1354.871	2.97%	62.69%
22.0	1707.043	72.926	1427.797	2.79%	66.07%
23.0	1537.730	68.084	1495.881	2.61%	69.22%
24.0	1381.168	63.818	1559.698	2.44%	72.17%
25.0	1232.052	59.419	1619.117	2.27%	74.92%
26.0	1124.473	55.626	1674.743	2.13%	77.49%
27.0	1020.727	52.483	1727.226	2.01%	79.92%
28.0	910.654	48.898	1776.125	1.87%	82.19%
29.0	792.563	44.561	1820.686	1.71%	84.25%
30.0	695.167	40.168	1860.854	1.54%	86.11%
31.0	594.472	35.889	1896.743	1.37%	87.77%
32.0	511.275	31.678	1928.421	1.21%	89.23%
33.0	425.268	27.591	1956.012	1.06%	90.51%
34.0	349.526	23.448	1979.46	0.90%	91.59%
35.0	292.210	19.930	1999.39	0.76%	92.52%
36.0	228.830	16.590	2015.98	0.63%	93.28%
37.0	178.091	13.272	2029.251	0.51%	93.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	135.677	10.473	2039.724	0.40%	94.38%
39.0	96.277	7.917	2047.642	0.30%	94.75%
40.0	80.322	6.159	2053.801	0.24%	95.03%
41.0	69.817	5.346	2059.147	0.20%	95.28%
42.0	62.765	4.817	2063.964	0.18%	95.50%
43.0	57.440	4.453	2068.417	0.17%	95.71%
44.0	53.080	4.171	2072.588	0.16%	95.90%
45.0	49.137	3.928	2076.516	0.15%	96.08%
46.0	45.435	3.699	2080.215	0.14%	96.26%
47.0	42.268	3.488	2083.703	0.13%	96.42%
48.0	39.320	3.298	2087.001	0.13%	96.57%
49.0	36.906	3.130	2090.132	0.12%	96.71%
50.0	34.389	2.973	2093.104	0.11%	96.85%
51.0	32.209	2.818	2095.922	0.11%	96.98%
52.0	30.388	2.686	2098.608	0.10%	97.11%
53.0	28.705	2.571	2101.178	0.10%	97.23%
54.0	27.228	2.465	2103.644	0.09%	97.34%
55.0	25.735	2.364	2106.008	0.09%	97.45%
56.0	24.587	2.274	2108.282	0.09%	97.55%
57.0	23.541	2.200	2110.482	0.08%	97.66%
58.0	22.590	2.133	2112.616	0.08%	97.76%
59.0	21.705	2.071	2114.686	0.08%	97.85%
60.0	20.951	2.015	2116.702	0.08%	97.94%
61.0	20.300	1.969	2118.67	0.08%	98.04%
62.0	19.671	1.926	2120.596	0.07%	98.12%
63.0	19.108	1.886	2122.482	0.07%	98.21%
64.0	18.574	1.849	2124.331	0.07%	98.30%
65.0	18.135	1.817	2126.148	0.07%	98.38%
66.0	17.725	1.789	2127.937	0.07%	98.46%
67.0	17.388	1.766	2129.703	0.07%	98.55%
68.0	17.074	1.746	2131.448	0.07%	98.63%
69.0	16.774	1.727	2133.175	0.07%	98.71%
70.0	16.438	1.706	2134.881	0.07%	98.79%
71.0	16.050	1.679	2136.56	0.06%	98.86%
72.0	15.604	1.646	2138.206	0.06%	98.94%
73.0	15.179	1.610	2139.815	0.06%	99.01%
74.0	14.733	1.573	2141.388	0.06%	99.09%
75.0	14.192	1.528	2142.916	0.06%	99.16%

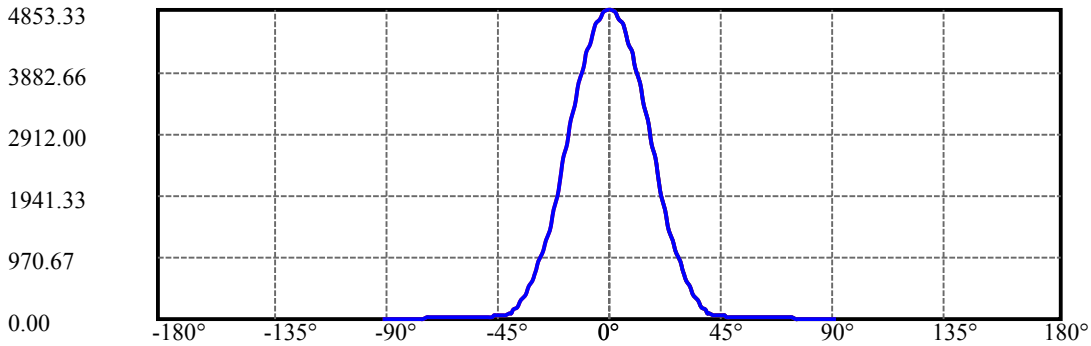
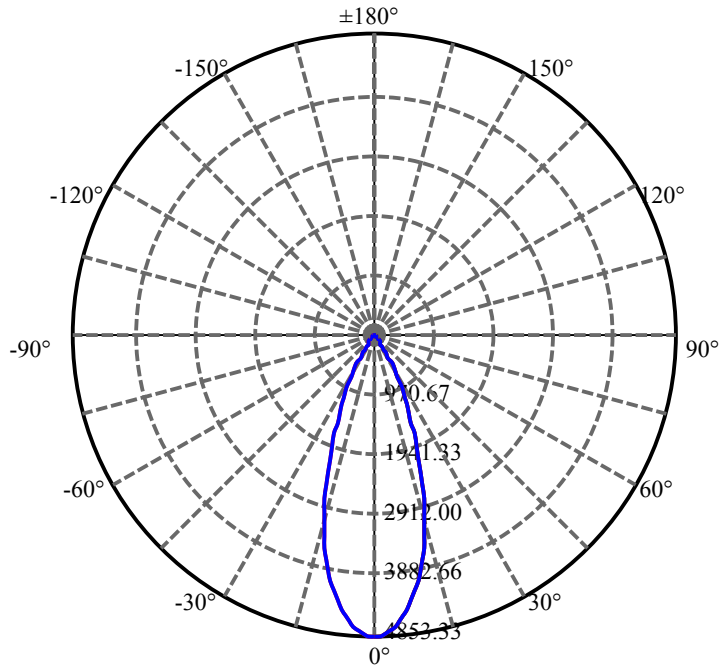
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.687	1.480	2144.396	0.06%	99.23%
77.0	13.248	1.436	2145.832	0.05%	99.29%
78.0	12.773	1.393	2147.225	0.05%	99.36%
79.0	12.290	1.347	2148.572	0.05%	99.42%
80.0	11.858	1.302	2149.874	0.05%	99.48%
81.0	11.485	1.262	2151.136	0.05%	99.54%
82.0	11.141	1.227	2152.363	0.05%	99.59%
83.0	10.775	1.191	2153.554	0.05%	99.65%
84.0	10.497	1.159	2154.713	0.04%	99.70%
85.0	10.205	1.130	2155.843	0.04%	99.76%
86.0	9.890	1.098	2156.942	0.04%	99.81%
87.0	9.664	1.070	2158.012	0.04%	99.86%
88.0	9.495	1.049	2159.061	0.04%	99.90%
89.0	9.407	1.036	2160.097	0.04%	99.95%
90.0	9.342	1.028	2161.125	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1860.85	71.22%	86.11%
0-40	2053.80	78.60%	95.03%
0-60	2116.70	81.01%	97.94%
0-90	2160.10	82.67%	99.95%
0-120	2160.10	82.67%	99.95%
0-180	2161.13	82.71%	100.00%
60-90	43.40	1.66%	2.01%
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%
0-27.03	1728.90	66.17%	80.00%

ZONAL LUMEN SUMMARY

0-10	423.10
10-20	854.12
20-30	583.64
30-40	192.95
40-50	39.30
50-60	23.60
60-70	18.18
70-80	14.99
80-90	10.22
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: ———

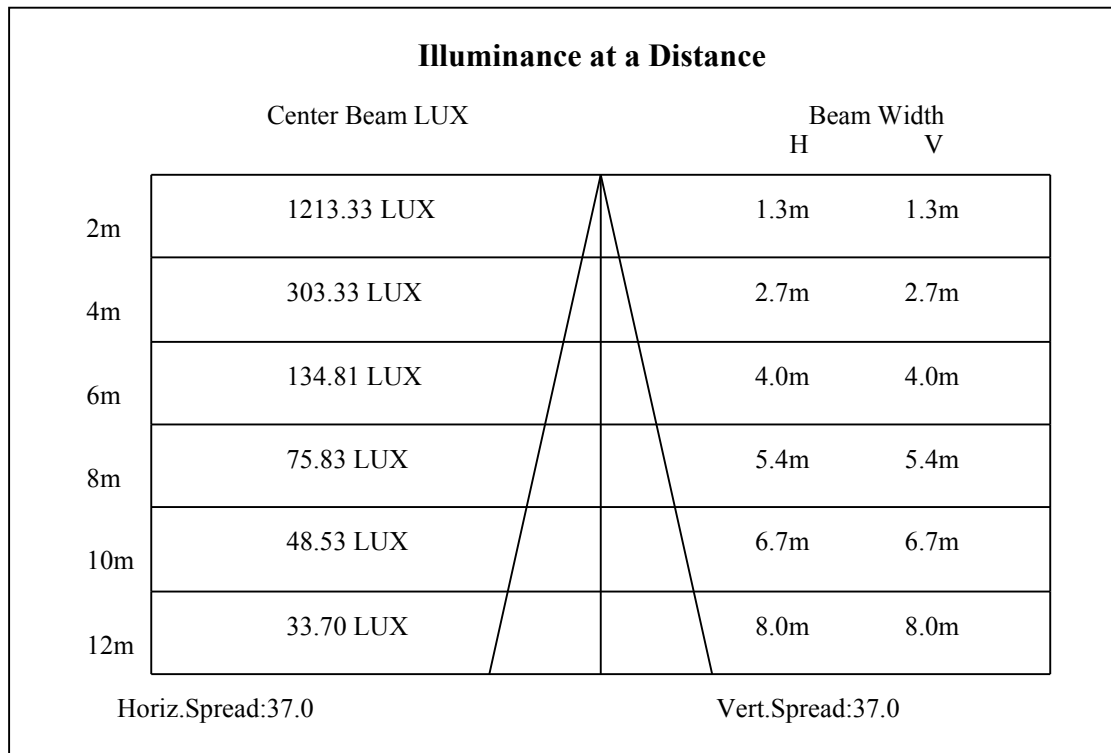
C90/C270: ———

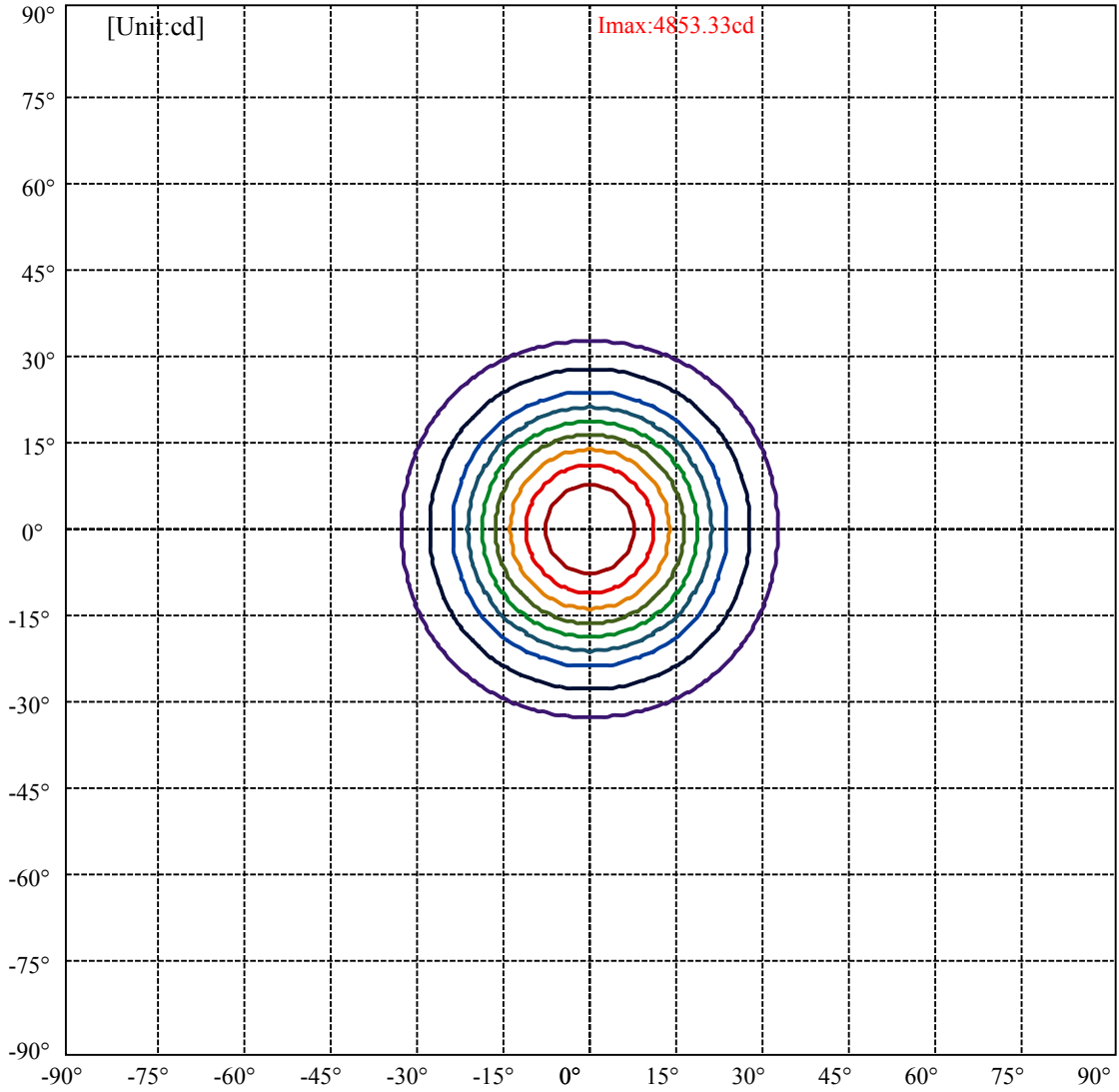
Field angle(10%Imax):C0/180Left:32.3 Right:32.3

:C90/270Left:32.3 Right:32.3

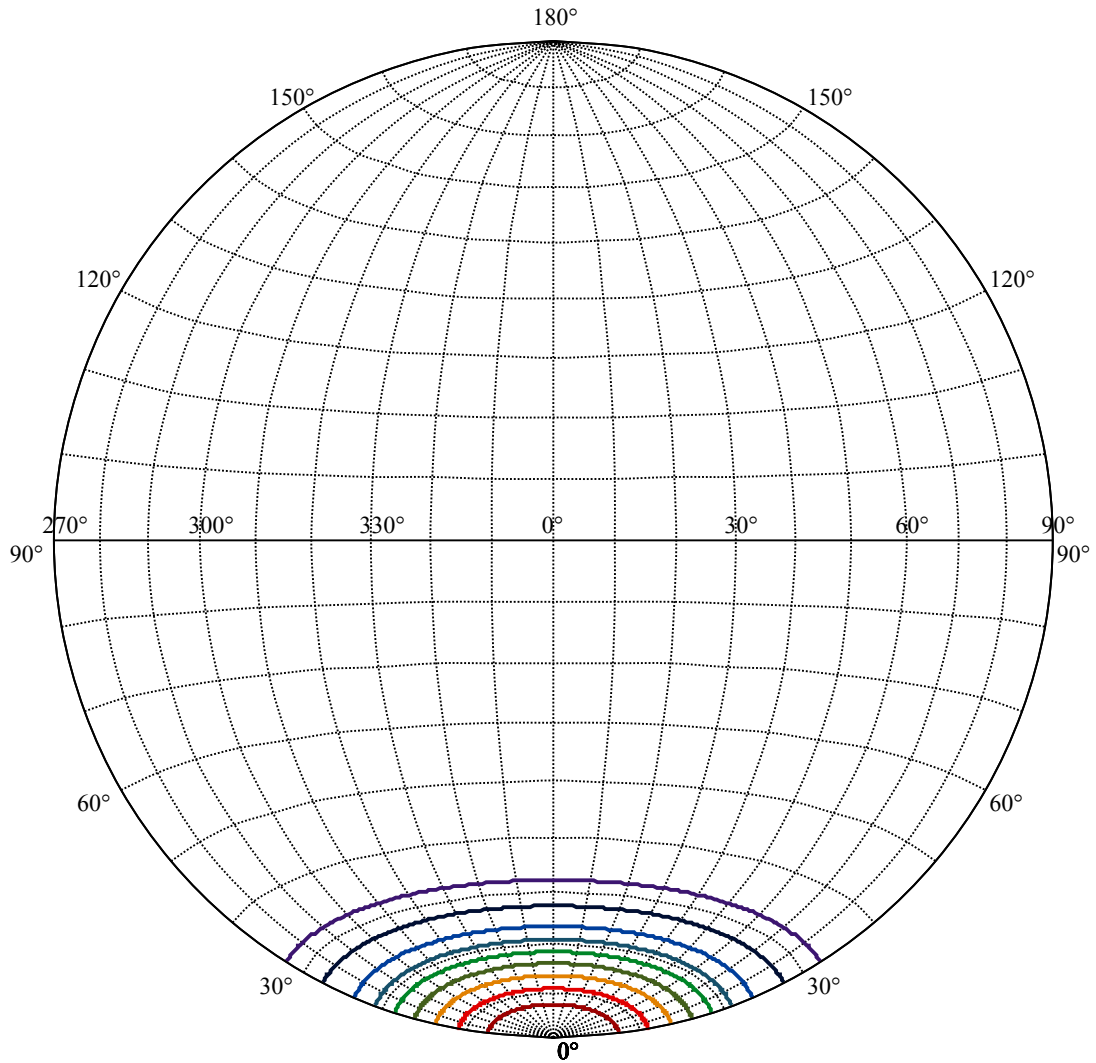
Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5

:C90/270Left:18.5 Right:18.5





(10%I _{max}) 485.333	—
(20%I _{max}) 970.666	—
(30%I _{max}) 1456	—
(40%I _{max}) 1941.33	—
(50%I _{max}) 2426.67	—
(60%I _{max}) 2912	—
(70%I _{max}) 3397.33	—
(80%I _{max}) 3882.66	—
(90%I _{max}) 4368	—



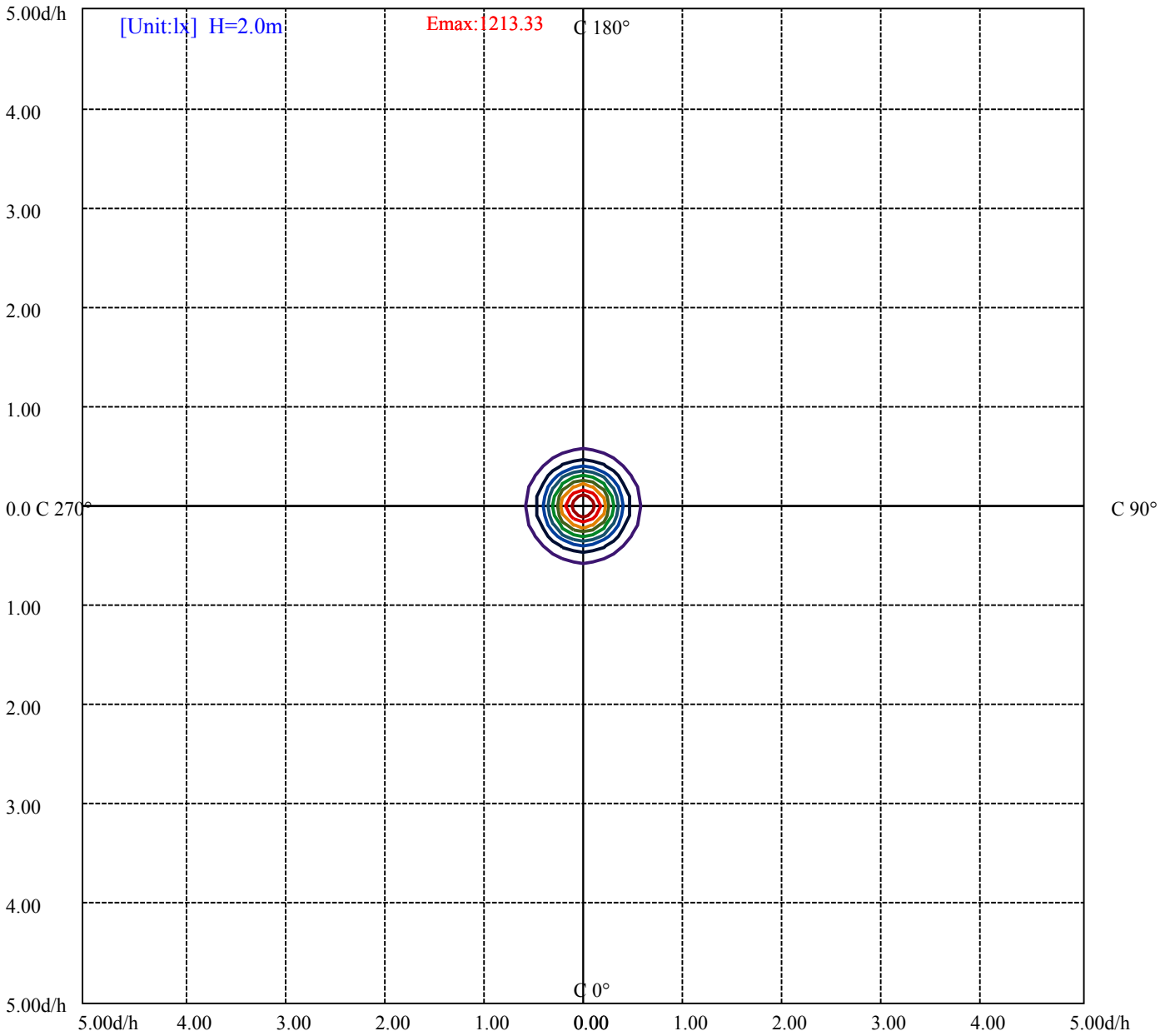
House

[Unit:cd]

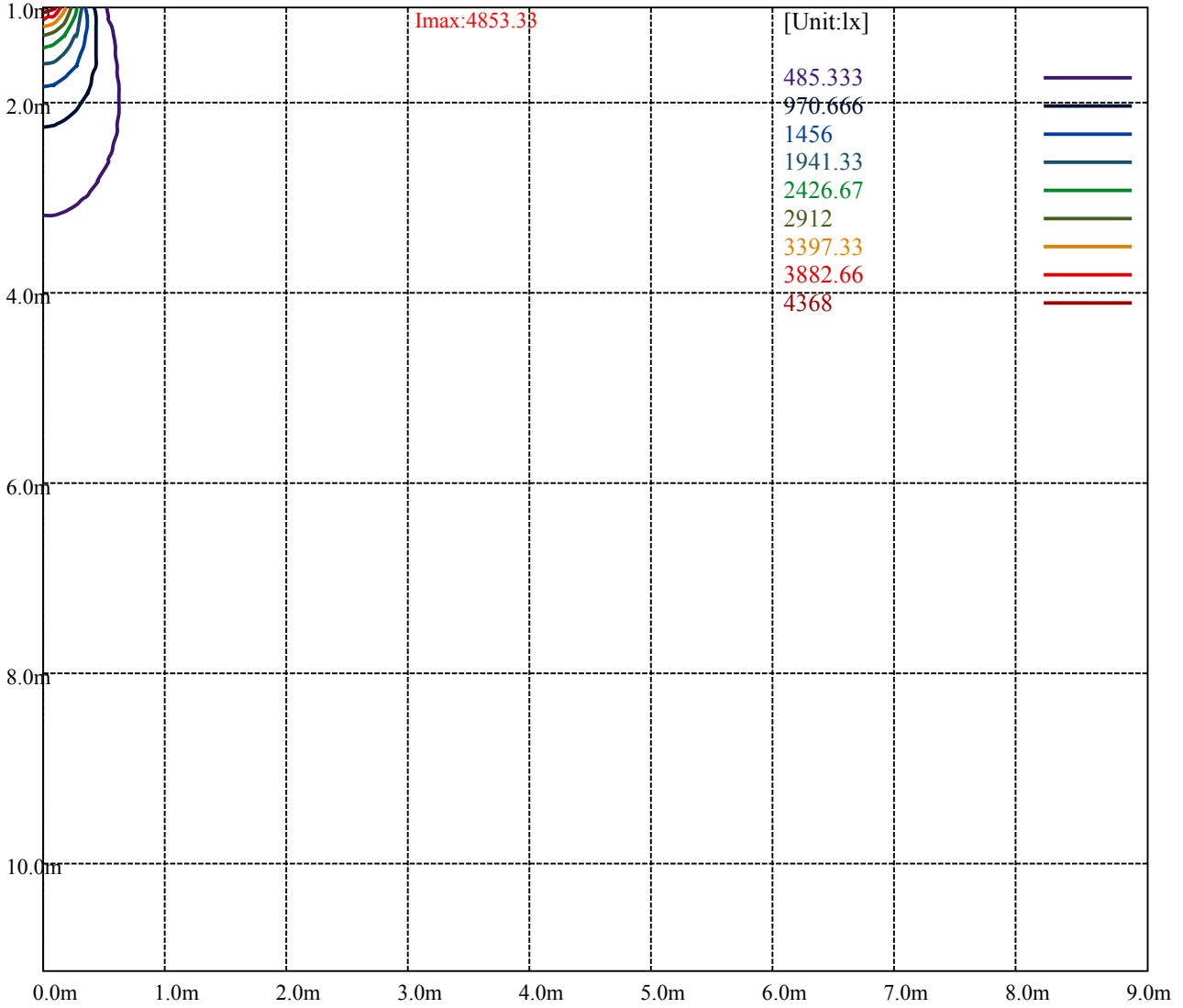
Road

Imax:4853.33

(10%Imax) 485.333	—
(20%Imax) 970.666	—
(30%Imax) 1456	—
(40%Imax) 1941.33	—
(50%Imax) 2426.67	—
(60%Imax) 2912	—
(70%Imax) 3397.33	—
(80%Imax) 3882.66	—
(90%Imax) 4368	—



(10%Emax) 121.3333	—
(20%Emax) 242.6665	—
(30%Emax) 364	—
(40%Emax) 485.3325	—
(50%Emax) 606.665	—
(60%Emax) 728	—
(70%Emax) 849.3325	—
(80%Emax) 970.665	—
(90%Emax) 1092	—



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

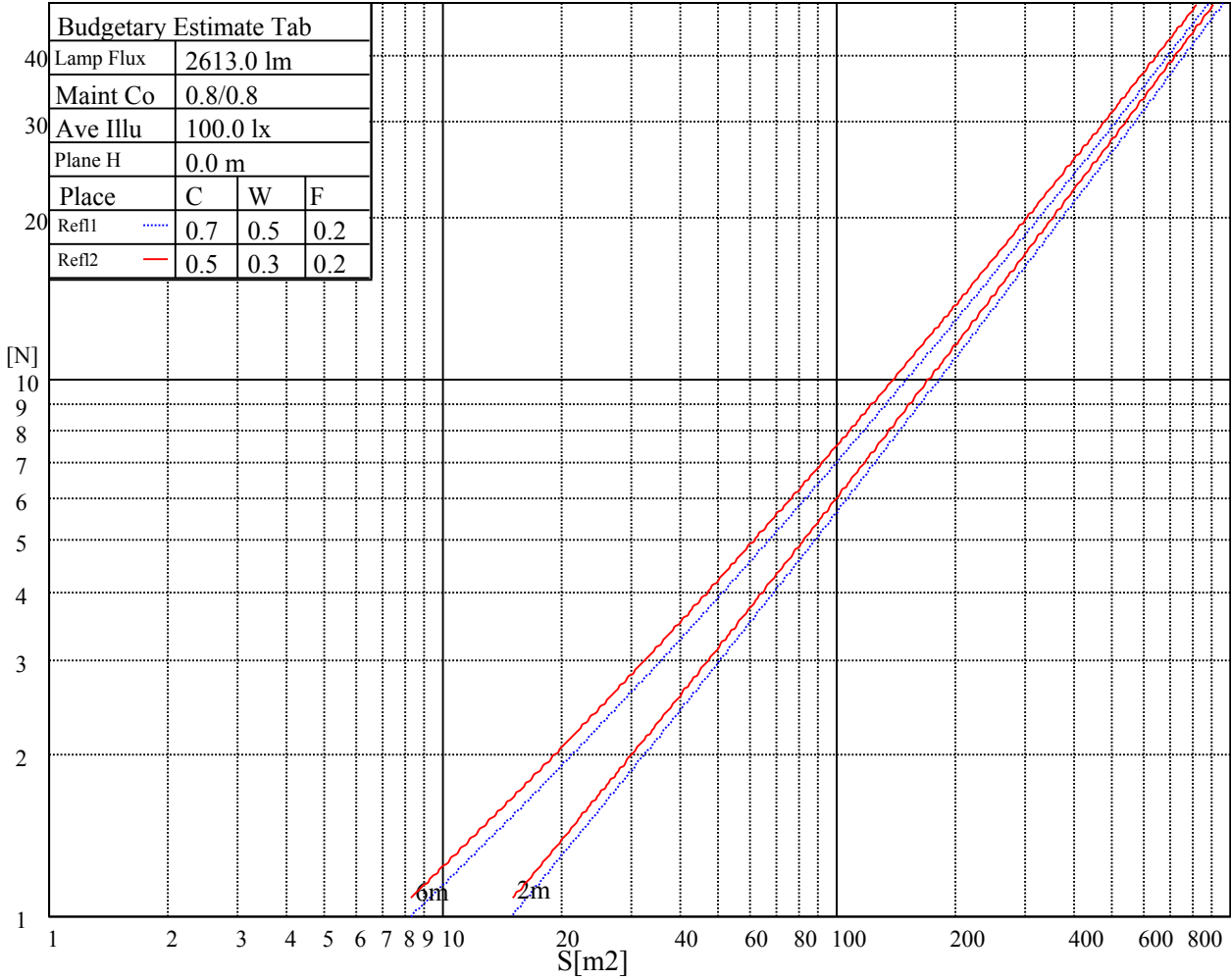
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

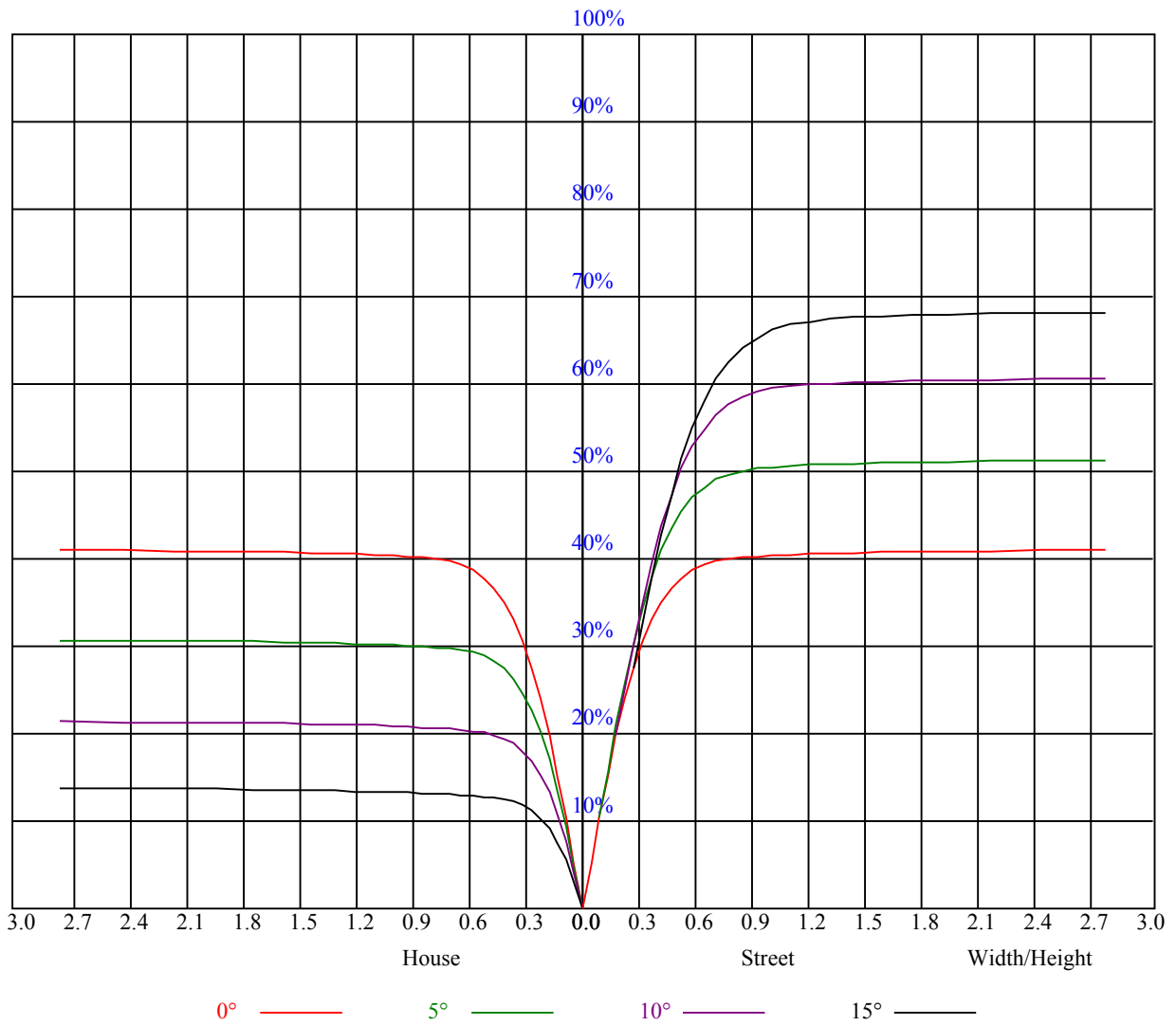


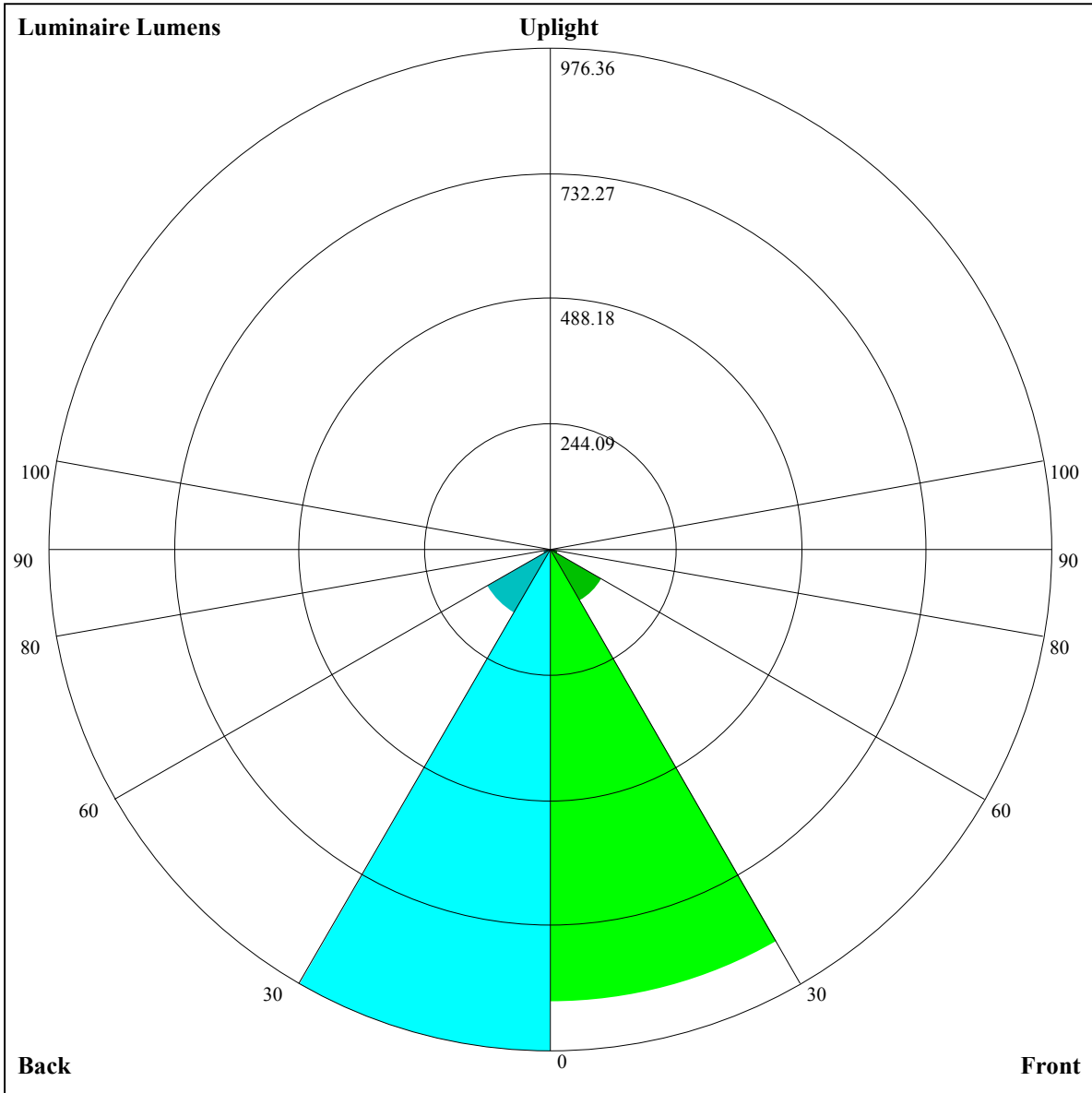
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.78	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.68	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	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	0.63	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51





Luminaire Lumens:

FL=881.73,FM=115.79,FH=16.47,FVH=5.56

BL=976.36,BM=143.97,BH=17,BVH=5.71

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	4816.46	4767.30	4702.34	4605.19	4511.56	4376.37	4254.64	4121.21	3977.83
45.0	4862.11	4839.87	4798.90	4742.14	4652.01	4565.98	4465.33	4323.70	4193.20
90.0	4858.60	4825.24	4776.08	4712.88	4636.80	4523.85	4419.68	4300.29	4165.69
135.0	4877.32	4876.74	4860.35	4830.51	4767.30	4703.51	4627.43	4535.55	4401.54
180.0	4816.46	4856.26	4870.30	4866.79	4849.23	4808.85	4760.86	4699.42	4623.92
225.0	4862.11	4868.55	4854.50	4830.51	4791.30	4718.14	4649.09	4540.23	4434.89
270.0	4858.60	4870.30	4867.37	4841.62	4808.27	4739.21	4671.91	4592.32	4468.25
315.0	4874.98	4856.26	4826.99	4763.20	4697.07	4620.41	4503.36	4392.76	4267.52
360.0	4816.46	4767.30	4702.34	4605.19	4511.56	4376.37	4254.64	4121.21	3977.83
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3790.56	3629.62	3461.08	3289.02	3066.05	2883.46	2690.92	2446.30	2255.52
45.0	4053.33	3865.47	3708.63	3503.22	3327.65	3150.32	2966.56	2727.79	2534.67
90.0	4019.38	3827.43	3662.40	3447.62	3272.64	3093.56	2860.64	2667.51	2476.73
135.0	4277.47	4141.11	3996.56	3798.75	3628.45	3454.64	3228.16	3039.72	2862.70
180.0	4505.12	4398.02	4276.88	4100.73	3950.33	3789.39	3581.64	3408.99	3231.09
225.0	4317.85	4149.89	4000.66	3848.50	3686.98	3479.81	3308.34	3128.67	2942.57
270.0	4351.79	4225.97	4091.95	3942.72	3743.16	3579.88	3408.41	3232.84	3006.36
315.0	4096.63	3950.91	3797.58	3638.40	3434.74	3263.27	3084.78	2899.85	2664.00
360.0	3790.56	3629.62	3461.08	3289.02	3066.05	2883.46	2690.92	2446.30	2255.52
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2065.90	1833.57	1658.59	1501.16	1152.60	1152.60	1099.05	969.13	867.13
45.0	2342.71	2152.52	1917.84	1737.59	1570.80	1425.08	1267.07	1154.71	1017.76
90.0	2236.79	2043.66	1856.39	1677.31	1476.58	1163.78	1163.78	1108.30	965.74
135.0	2611.92	2418.21	2223.91	1984.56	1802.55	1626.40	1467.22	1300.43	1181.63
180.0	2997.58	2802.70	2604.89	2371.98	2183.53	1982.80	1793.19	1585.43	1434.44
225.0	2704.97	2508.92	2314.62	2075.27	1889.16	1713.01	1511.69	1166.06	1166.06
270.0	2821.43	2575.05	2375.49	2189.39	1962.90	1772.71	1590.11	1415.13	1284.63
315.0	2469.12	2221.57	2027.28	1838.25	1618.21	1465.46	1157.22	1157.22	1078.39
360.0	2065.90	1833.57	1658.59	1501.16	1152.60	1152.60	1099.05	969.13	867.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	768.99	675.70	567.38	486.03	408.66	335.04	252.00	192.13	143.91
45.0	907.74	803.57	685.94	601.08	520.32	443.07	353.53	303.21	303.21
90.0	854.55	755.12	641.52	558.77	460.75	387.48	320.24	243.34	186.22
135.0	1065.75	949.88	814.69	715.79	603.43	522.66	444.24	354.70	304.96
180.0	1309.79	1166.41	1048.78	941.10	807.67	705.25	612.20	505.69	426.69
225.0	1111.81	1002.84	893.58	789.41	669.32	581.71	499.72	422.71	334.81
270.0	1175.78	1065.17	922.37	817.03	717.54	626.83	524.42	447.17	375.19
315.0	971.41	866.54	766.24	652.12	568.08	488.14	395.79	327.26	262.71
360.0	768.99	675.70	567.38	486.03	408.66	335.04	252.00	192.13	143.91
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	102.71	83.22	73.56	65.66	59.93	55.42	50.50	46.99	43.83
45.0	163.92	111.25	87.43	75.26	69.06	61.68	57.00	52.96	48.46
90.0	138.29	102.94	81.17	74.27	67.77	62.03	57.53	52.38	48.63
135.0	304.96	166.79	114.35	90.36	78.19	71.81	64.26	59.22	55.01
180.0	351.19	298.52	298.52	151.63	115.87	90.30	75.55	69.41	63.50
225.0	269.67	210.10	147.18	109.67	87.20	73.86	67.89	61.04	56.59
270.0	309.06	309.06	176.56	121.26	91.70	77.13	69.00	62.91	58.00
315.0	190.84	142.85	106.63	82.11	72.86	66.31	60.40	54.60	50.62
360.0	102.71	83.22	73.56	65.66	59.93	55.42	50.50	46.99	43.83

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	40.91	37.63	35.29	33.12	31.25	29.14	27.62	26.28	24.76
45.0	45.24	41.67	39.03	36.64	34.47	31.95	30.26	28.79	27.39
90.0	44.54	41.67	39.09	36.17	34.00	32.07	29.90	28.38	27.04
135.0	50.10	46.64	43.54	40.03	37.51	34.65	32.54	30.72	29.14
180.0	58.76	53.61	49.92	45.76	42.84	40.20	37.16	34.88	32.77
225.0	52.67	49.16	45.18	42.31	39.68	37.28	34.47	32.48	30.67
270.0	53.84	49.28	45.94	42.96	40.26	37.22	35.00	32.95	30.72
315.0	47.05	43.83	40.15	37.57	35.23	32.60	30.72	28.62	27.15
360.0	40.91	37.63	35.29	33.12	31.25	29.14	27.62	26.28	24.76
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.76	22.53	21.71	20.95	20.31	19.61	19.02	18.55	18.08
45.0	25.87	24.81	23.76	22.71	21.89	21.19	20.42	19.84	19.31
90.0	25.81	24.46	23.41	22.53	21.71	20.83	20.25	19.66	19.08
135.0	27.39	26.10	24.99	23.94	22.77	21.89	21.13	20.42	19.66
180.0	31.02	28.97	27.51	26.22	25.05	23.82	22.88	22.06	21.13
225.0	29.09	27.27	25.98	24.64	23.64	22.71	21.77	21.07	20.42
270.0	29.09	27.33	25.98	24.93	23.70	22.82	22.00	21.24	20.66
315.0	25.81	24.40	23.35	22.41	21.65	20.78	20.13	19.55	19.02
360.0	23.76	22.53	21.71	20.95	20.31	19.61	19.02	18.55	18.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.62	17.21	16.74	16.33	15.86	15.39	14.98	14.57	14.16
45.0	18.79	18.32	17.91	17.50	17.21	17.03	17.03	17.15	17.26
90.0	18.61	18.14	18.08	18.20	18.67	19.20	19.55	19.31	18.67
135.0	19.14	18.55	18.14	17.67	17.15	16.68	16.27	15.86	15.33
180.0	20.48	19.90	19.20	18.73	18.14	17.67	17.21	16.74	16.21
225.0	19.84	19.14	18.61	18.14	17.73	17.15	16.74	16.27	15.80
270.0	19.96	19.37	18.84	18.26	17.79	17.32	16.80	16.39	16.09
315.0	18.43	17.97	17.56	16.97	16.56	16.15	15.63	15.22	14.86
360.0	17.62	17.21	16.74	16.33	15.86	15.39	14.98	14.57	14.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.75	13.40	13.05	12.64	12.29	12.00	11.70	11.24	10.94
45.0	17.03	16.62	15.98	15.22	14.51	13.93	13.11	12.41	11.88
90.0	17.91	17.44	16.97	16.15	15.10	14.34	13.46	12.52	11.70
135.0	14.92	14.51	14.16	13.69	13.34	12.99	12.64	12.29	11.88
180.0	15.74	15.33	14.92	14.40	13.99	13.64	13.17	12.82	12.47
225.0	15.45	14.98	14.46	14.05	13.64	13.17	12.82	12.52	12.17
270.0	15.63	15.10	14.63	14.10	13.75	13.34	12.99	12.58	12.23
315.0	14.40	14.05	13.69	13.28	12.87	12.58	12.29	11.94	11.59
360.0	13.75	13.40	13.05	12.64	12.29	12.00	11.70	11.24	10.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.71	10.48	10.18	10.01	9.66	9.48	9.36	9.36	9.36
45.0	11.47	10.94	10.59	10.30	10.01	9.66	9.48	9.31	9.31
90.0	11.06	10.77	10.42	10.18	9.83	9.60	9.42	9.31	9.31
135.0	11.53	11.24	10.77	10.48	10.30	9.89	9.71	9.54	9.42
180.0	12.11	11.82	11.35	11.06	10.65	10.42	10.12	9.83	9.66
225.0	11.76	11.41	11.06	10.65	10.36	10.07	9.77	9.54	9.42
270.0	11.94	11.53	11.12	10.71	10.42	10.18	9.83	9.60	9.48
315.0	11.29	10.94	10.71	10.59	10.42	9.83	9.60	9.48	9.31
360.0	10.71	10.48	10.18	10.01	9.66	9.48	9.36	9.36	9.36

Intensity data(cd)

C/γ(°)	90.0
0.0	9.36
45.0	9.31
90.0	9.25
135.0	9.31
180.0	9.54
225.0	9.36
270.0	9.31
315.0	9.31
360.0	9.36