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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.412.00

Report No: 2024228-B008

Ballast type: AC

Test No: 2024228-C008

Voltage(V): 35.550

LampCAT: CITIZEN CLU038 LES14.5

Current(A): 0.541

Lamp flux(lm): 2613.0

Power (W): 19.232

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2215.15, Efficiency(%): 84.77% , Luminous Efficacy(lm/W): 115.18

Central intensity(cd): 3928.967, Maximum intensity(cd): 3934.819

Angle of maximum intensity: C=0.0 γ =3.0

Beam Angle(50%Imax): [C0/180]Total=44.2

[C90/270]Total=44.2

Field angle(10%Imax): [C0/180]Total=67.2

[C90/270]Total=67.2

Maximum s/h(1/2): C0_180=0.72 C90_270=0.72

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.77%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.681%

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	3928.967	0.000	0	0.00%	0.00%
1.0	3931.454	3.761	3.761	0.14%	0.17%
2.0	3934.307	11.290	15.051	0.43%	0.68%
3.0	3934.819	18.820	33.871	0.72%	1.53%
4.0	3932.405	26.334	60.205	1.01%	2.72%
5.0	3917.555	33.770	93.975	1.29%	4.24%
6.0	3892.536	41.044	135.019	1.57%	6.10%
7.0	3855.375	48.091	183.111	1.84%	8.27%
8.0	3803.289	54.812	237.922	2.10%	10.74%
9.0	3741.914	61.150	299.072	2.34%	13.50%
10.0	3670.370	67.078	366.15	2.57%	16.53%
11.0	3589.317	72.539	438.69	2.78%	19.80%
12.0	3495.169	77.444	516.133	2.96%	23.30%
13.0	3385.585	81.657	597.79	3.13%	26.99%
14.0	3261.371	85.080	682.871	3.26%	30.83%
15.0	3135.475	87.819	770.69	3.36%	34.79%
16.0	2980.975	89.623	860.313	3.43%	38.84%
17.0	2827.646	90.456	950.769	3.46%	42.92%
18.0	2658.955	90.462	1041.231	3.46%	47.00%
19.0	2503.285	89.812	1131.043	3.44%	51.06%
20.0	2323.987	88.352	1219.396	3.38%	55.05%
21.0	2153.687	85.980	1305.376	3.29%	58.93%
22.0	1980.533	83.079	1388.455	3.18%	62.68%
23.0	1813.890	79.617	1468.072	3.05%	66.27%
24.0	1631.044	75.319	1543.391	2.88%	69.67%
25.0	1467.737	70.460	1613.85	2.70%	72.86%
26.0	1325.454	65.934	1679.784	2.52%	75.83%
27.0	1197.341	61.721	1741.505	2.36%	78.62%
28.0	1095.900	58.060	1799.565	2.22%	81.24%
29.0	972.125	54.105	1853.67	2.07%	83.68%
30.0	840.420	48.938	1902.608	1.87%	85.89%
31.0	710.434	43.158	1945.766	1.65%	87.84%
32.0	585.942	37.140	1982.906	1.42%	89.52%
33.0	465.546	30.977	2013.883	1.19%	90.91%
34.0	354.229	24.809	2038.692	0.95%	92.03%
35.0	269.533	19.372	2058.064	0.74%	92.91%
36.0	195.875	14.819	2072.883	0.57%	93.58%
37.0	143.782	11.078	2083.96	0.42%	94.08%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	88.625	7.757	2091.718	0.30%	94.43%
39.0	65.765	5.270	2096.987	0.20%	94.67%
40.0	59.598	4.372	2101.36	0.17%	94.86%
41.0	55.245	4.090	2105.449	0.16%	95.05%
42.0	51.997	3.896	2109.345	0.15%	95.22%
43.0	49.393	3.756	2113.101	0.14%	95.39%
44.0	47.191	3.645	2116.747	0.14%	95.56%
45.0	45.172	3.550	2120.296	0.14%	95.72%
46.0	43.292	3.460	2123.756	0.13%	95.87%
47.0	41.492	3.372	2127.128	0.13%	96.03%
48.0	39.847	3.288	2130.416	0.13%	96.17%
49.0	38.281	3.208	2133.624	0.12%	96.32%
50.0	36.986	3.138	2136.763	0.12%	96.46%
51.0	35.618	3.072	2139.834	0.12%	96.60%
52.0	34.345	3.002	2142.837	0.11%	96.74%
53.0	32.948	2.927	2145.764	0.11%	96.87%
54.0	31.470	2.839	2148.603	0.11%	97.00%
55.0	30.029	2.745	2151.348	0.11%	97.12%
56.0	28.610	2.650	2153.998	0.10%	97.24%
57.0	27.410	2.561	2156.56	0.10%	97.36%
58.0	26.225	2.480	2159.04	0.09%	97.47%
59.0	25.150	2.402	2161.442	0.09%	97.58%
60.0	24.243	2.333	2163.775	0.09%	97.68%
61.0	23.402	2.274	2166.049	0.09%	97.78%
62.0	22.670	2.220	2168.269	0.08%	97.88%
63.0	21.968	2.171	2170.44	0.08%	97.98%
64.0	21.266	2.121	2172.561	0.08%	98.08%
65.0	20.432	2.064	2174.625	0.08%	98.17%
66.0	19.605	1.998	2176.622	0.08%	98.26%
67.0	18.969	1.940	2178.562	0.07%	98.35%
68.0	18.566	1.901	2180.463	0.07%	98.43%
69.0	18.383	1.885	2182.348	0.07%	98.52%
70.0	18.303	1.884	2184.233	0.07%	98.60%
71.0	18.186	1.886	2186.119	0.07%	98.69%
72.0	18.083	1.886	2188.004	0.07%	98.77%
73.0	17.944	1.884	2189.888	0.07%	98.86%
74.0	17.769	1.878	2191.766	0.07%	98.94%
75.0	17.498	1.863	2193.629	0.07%	99.03%

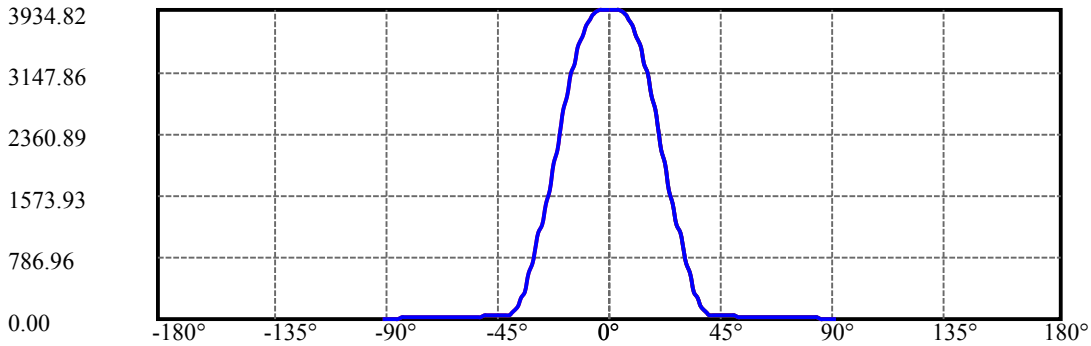
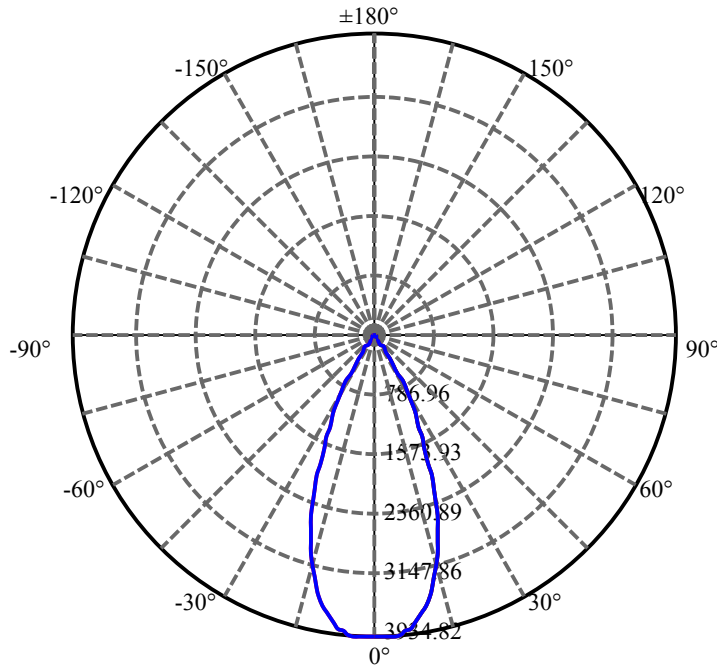
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.169	1.840	2195.47	0.07%	99.11%
77.0	16.723	1.807	2197.277	0.07%	99.19%
78.0	16.284	1.767	2199.043	0.07%	99.27%
79.0	15.772	1.722	2200.766	0.07%	99.35%
80.0	15.165	1.668	2202.434	0.06%	99.43%
81.0	14.609	1.610	2204.044	0.06%	99.50%
82.0	13.826	1.542	2205.586	0.06%	99.57%
83.0	12.948	1.455	2207.041	0.06%	99.63%
84.0	11.917	1.355	2208.396	0.05%	99.70%
85.0	11.010	1.251	2209.647	0.05%	99.75%
86.0	10.373	1.169	2210.816	0.04%	99.80%
87.0	10.029	1.117	2211.932	0.04%	99.85%
88.0	9.832	1.088	2213.02	0.04%	99.90%
89.0	9.693	1.070	2214.091	0.04%	99.95%
90.0	9.627	1.059	2215.15	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1902.61	72.81%	85.89%
0-40	2101.36	80.42%	94.86%
0-60	2163.78	82.81%	97.68%
0-90	2214.09	84.73%	99.95%
0-120	2214.09	84.73%	99.95%
0-180	2215.15	84.77%	100.00%
60-90	50.32	1.93%	2.27%
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%
0-27.53	1772.12	67.82%	80.00%

ZONAL LUMEN SUMMARY

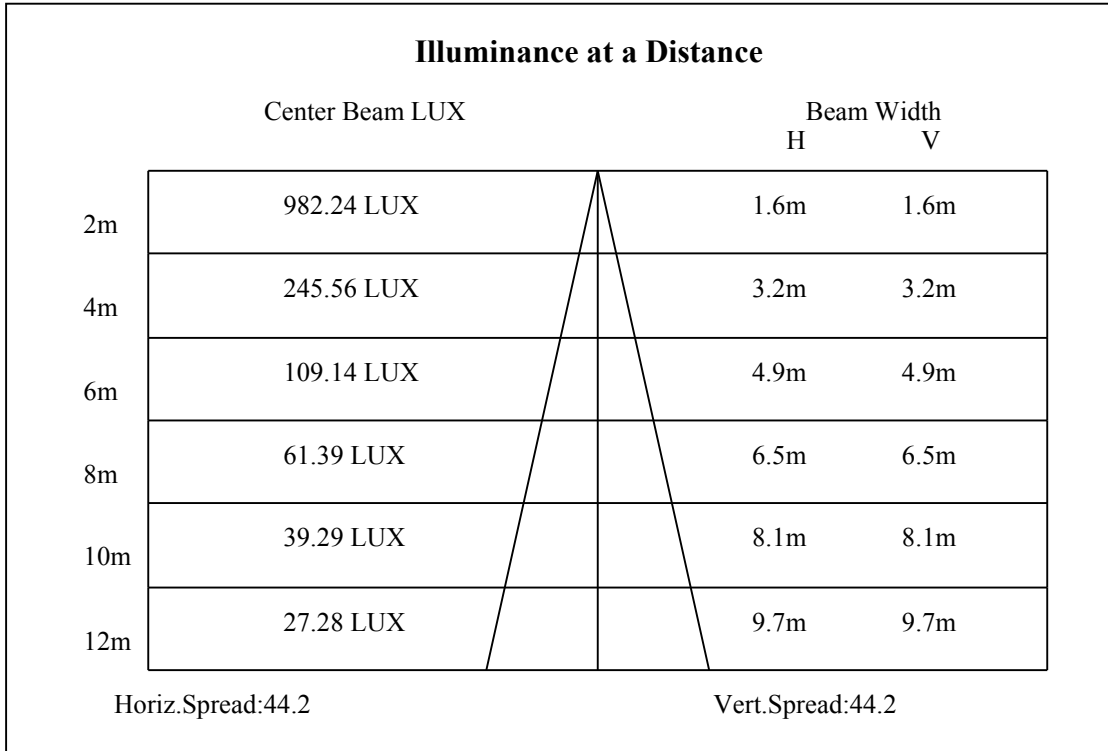
0-10	366.15
10-20	853.25
20-30	683.21
30-40	198.75
40-50	35.40
50-60	27.01
60-70	20.46
70-80	18.20
80-90	11.66
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

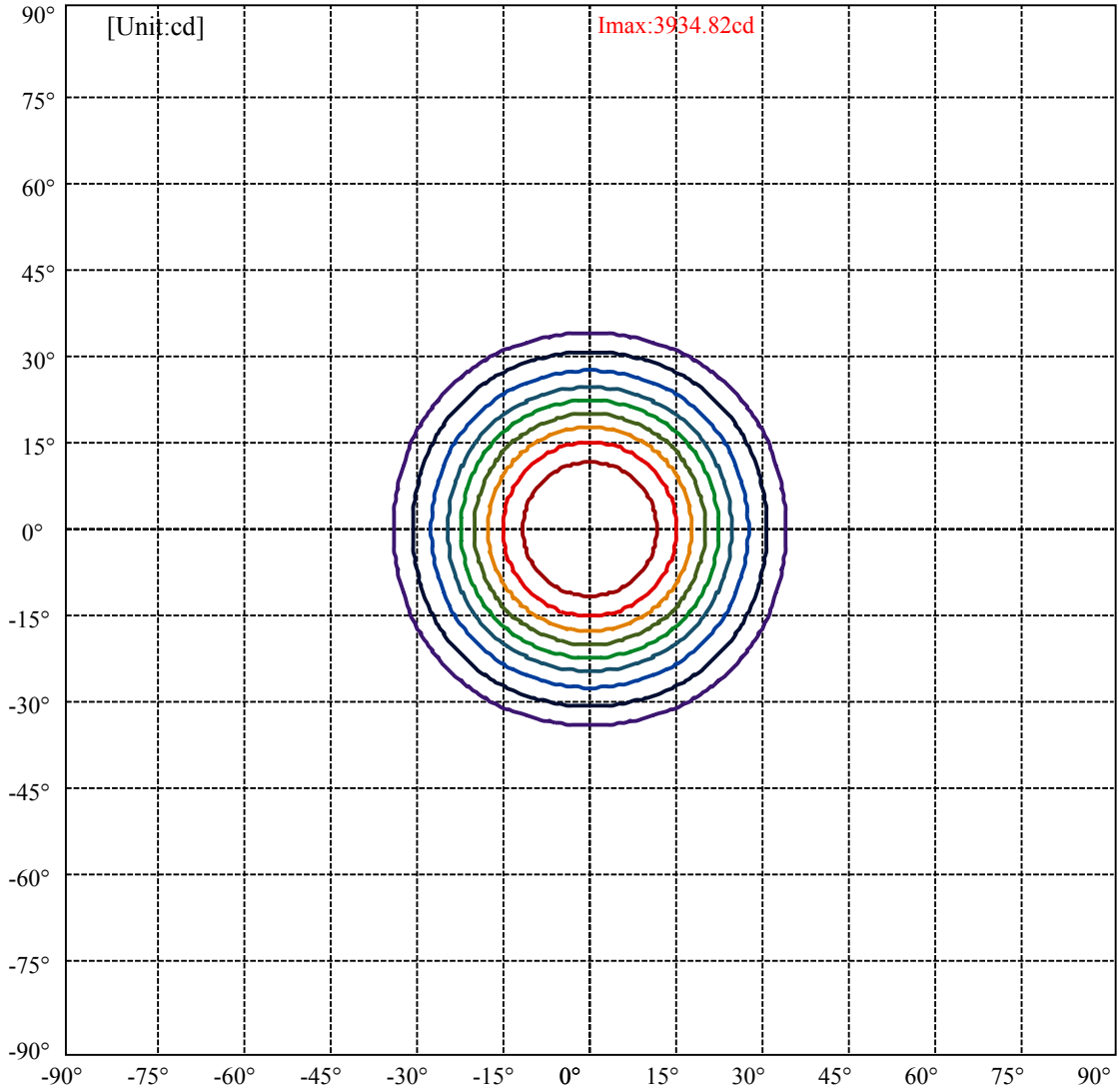


C0(Max): ———
C0/C180: ———
C90/C270: ———

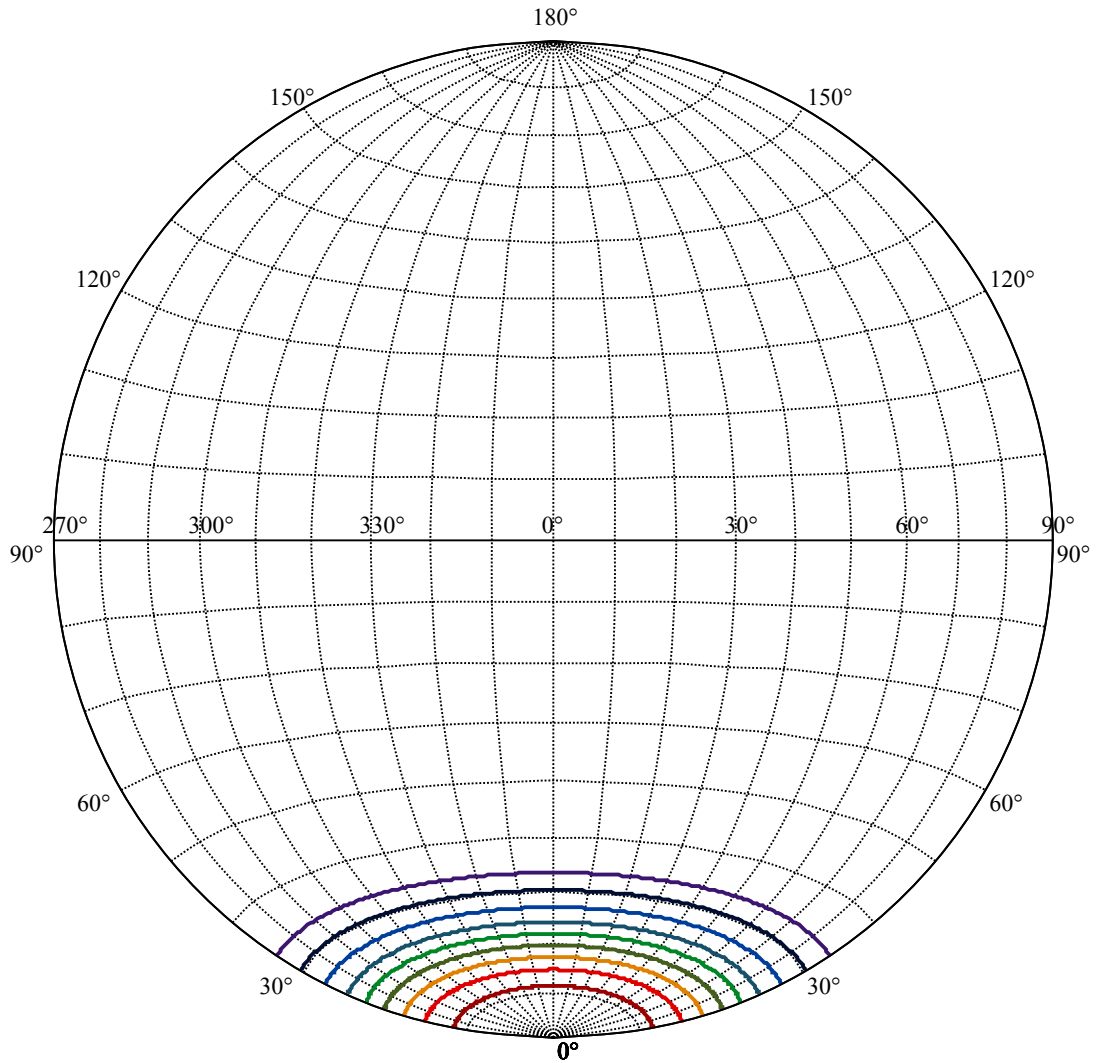
Field angle(10%Imax):C0/180Left:36.6 Right:30.6
:C90/270Left:36.6 Right:30.6

Beam Angle(50%Imax):C0/180Left:25.1 Right:19.1
:C90/270Left:25.1 Right:19.1





(10%Imax) 393.482	—
(20%Imax) 786.964	—
(30%Imax) 1180.45	—
(40%Imax) 1573.93	—
(50%Imax) 1967.41	—
(60%Imax) 2360.89	—
(70%Imax) 2754.37	—
(80%Imax) 3147.86	—
(90%Imax) 3541.34	—



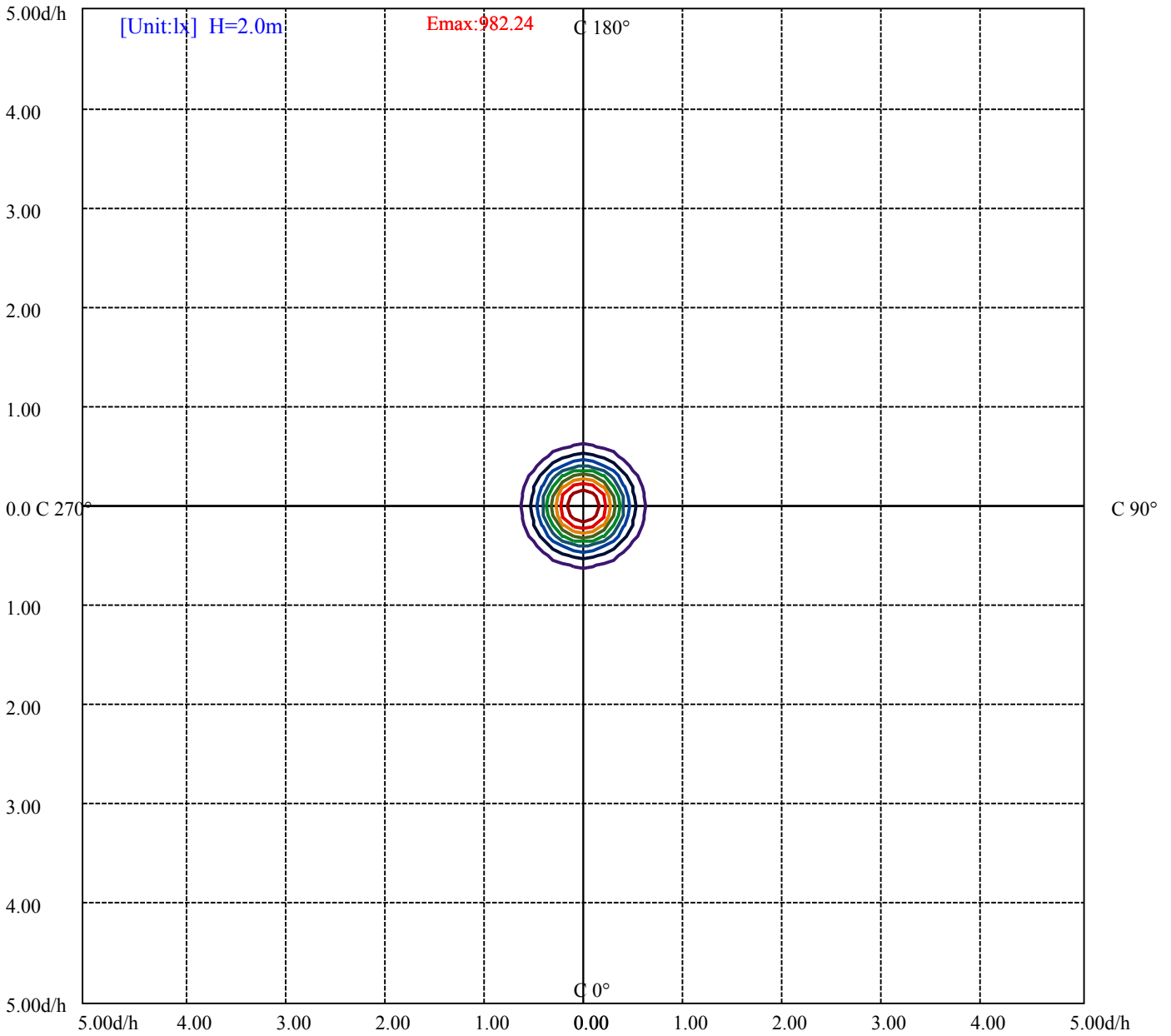
House

[Unit:cd]

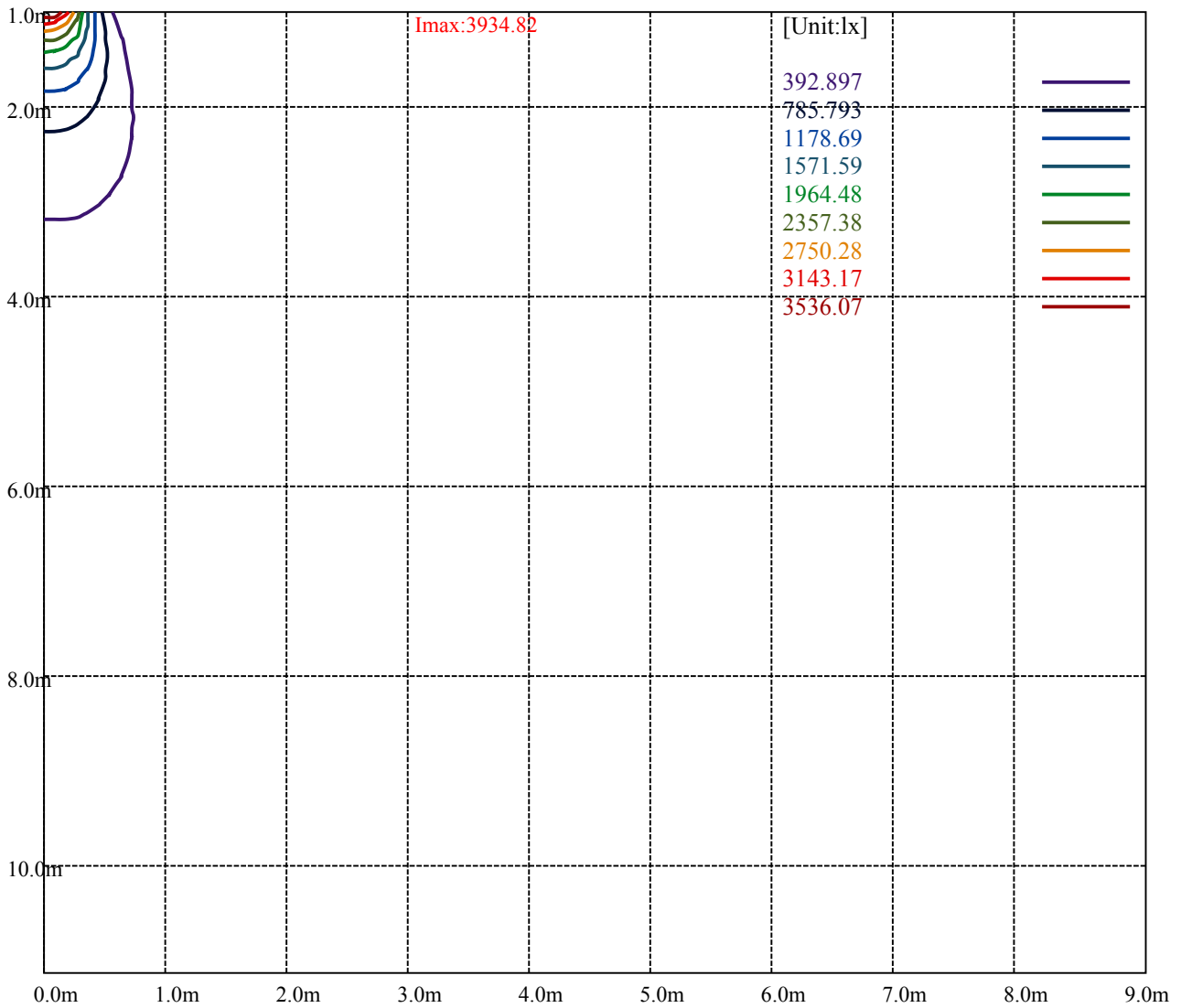
Road

Imax:3934.82

(10%Imax)	393.482	—
(20%Imax)	786.964	—
(30%Imax)	1180.45	—
(40%Imax)	1573.93	—
(50%Imax)	1967.41	—
(60%Imax)	2360.89	—
(70%Imax)	2754.37	—
(80%Imax)	3147.86	—
(90%Imax)	3541.34	—



- (10%Emax) 98.22425
- (20%Emax) 196.4483
- (30%Emax) 294.6725
- (40%Emax) 392.8975
- (50%Emax) 491.12
- (60%Emax) 589.345
- (70%Emax) 687.57
- (80%Emax) 785.7925
- (90%Emax) 884.0175



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

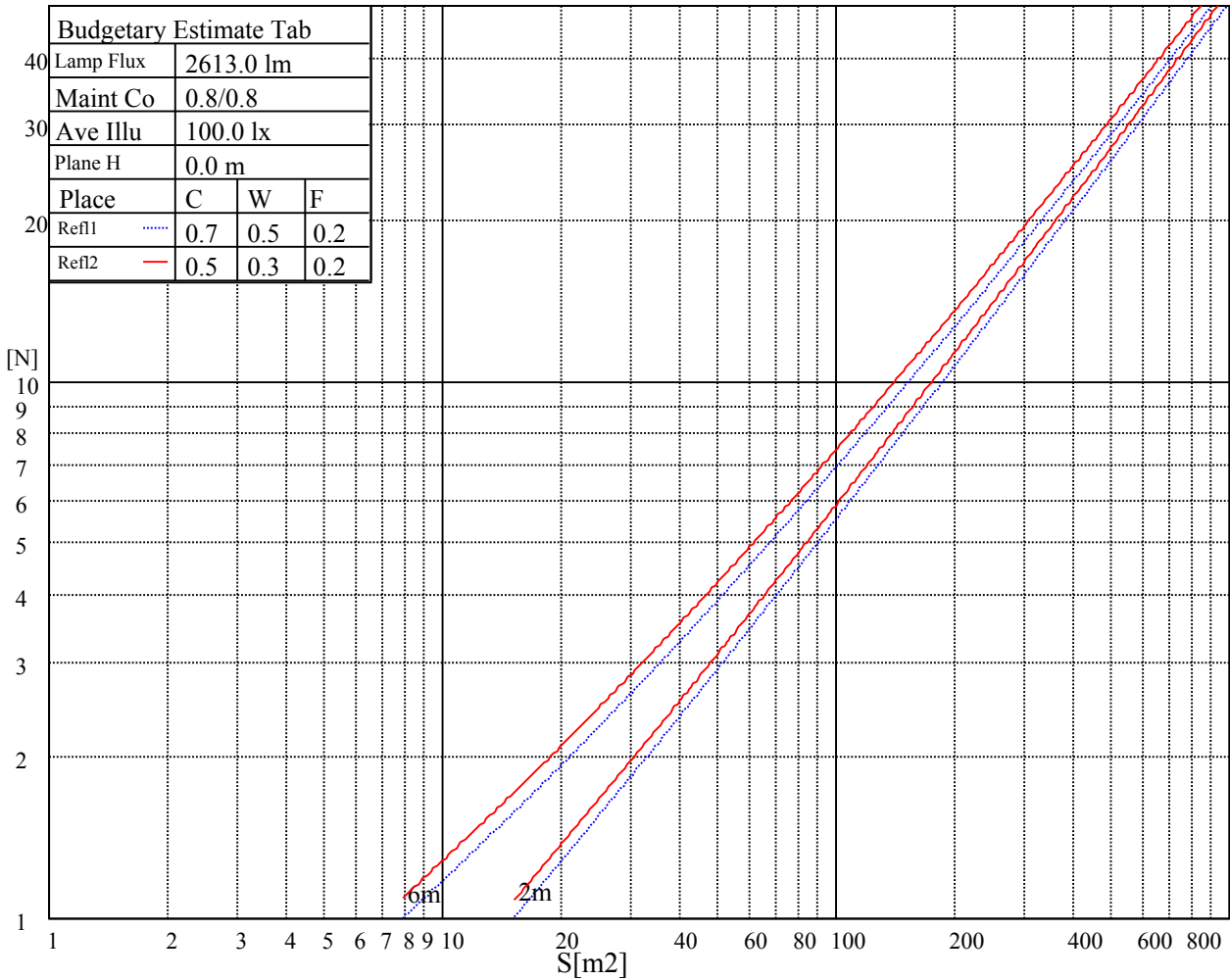
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

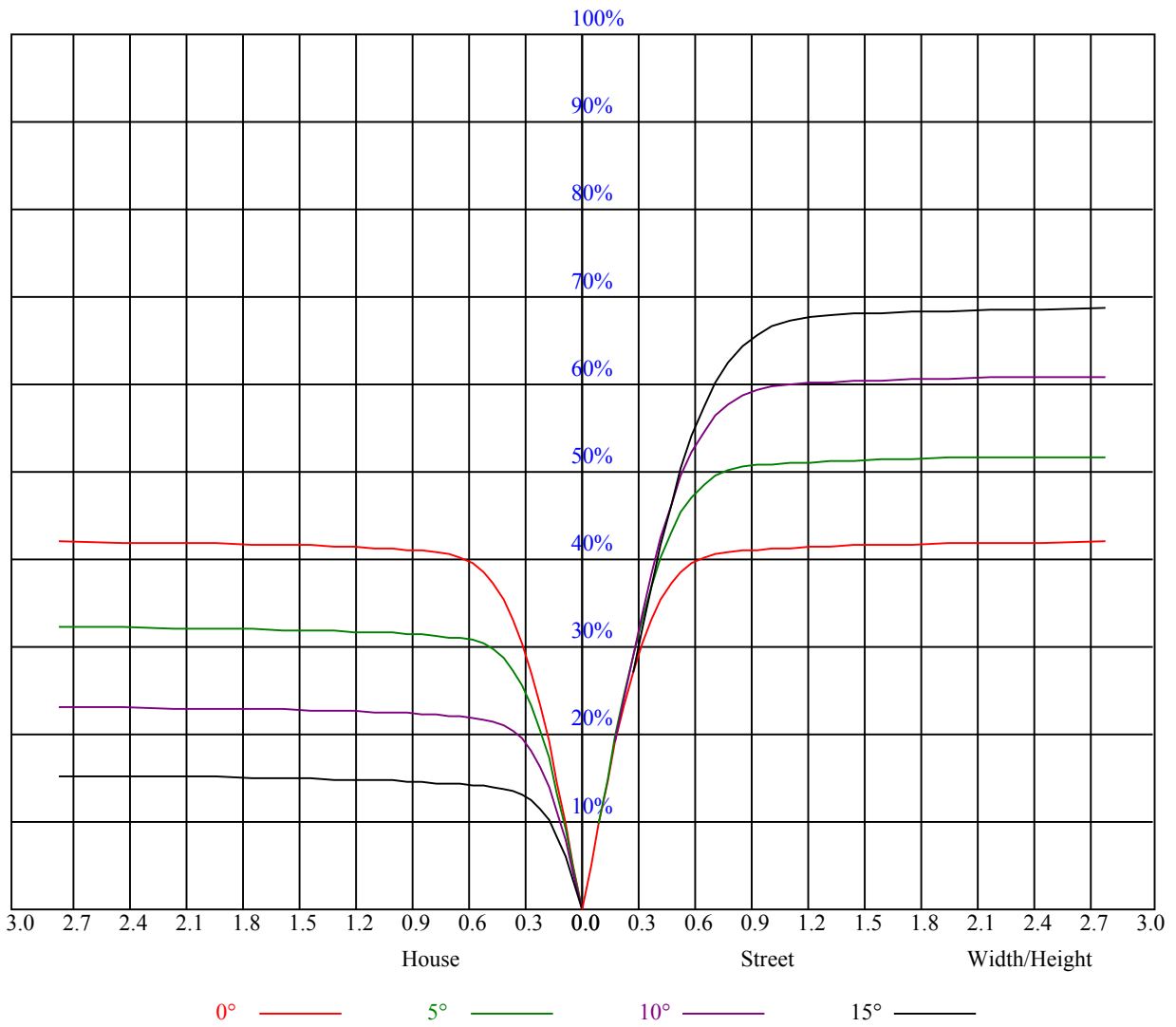


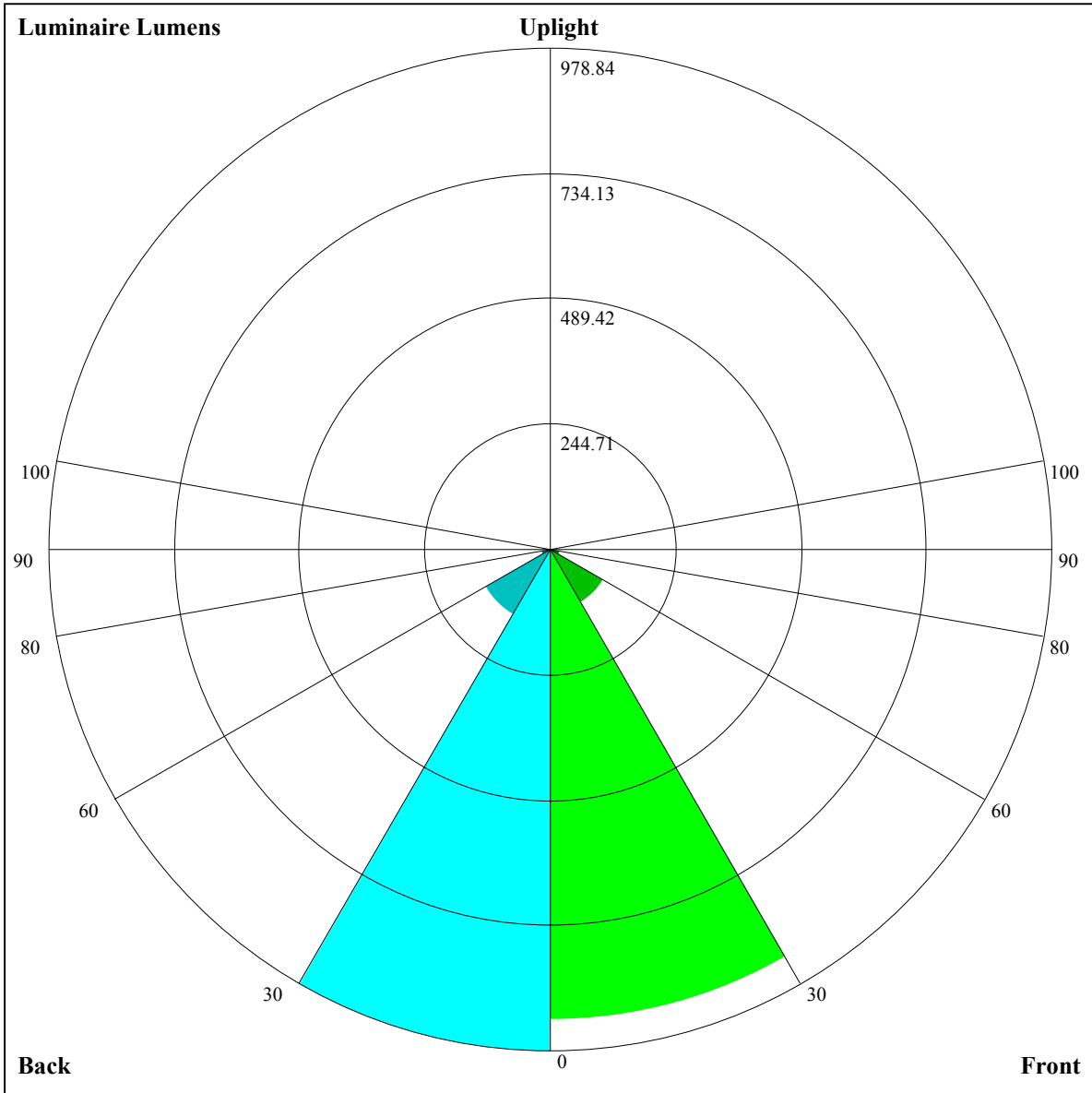
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	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	0.94	0.92	0.90	0.92	0.91	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.88	0.85	0.82	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.78	0.79	0.78	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.71
4	0.79	0.74	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	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	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.62	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	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.51	0.57	0.54	0.51	0.50





Luminaire Lumens:

FL=919.78,FM=119.75,FH=19.02,FVH=6.23

BL=978.84,BM=145.88,BH=19.65,BVH=6.51

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	3928.67	3936.28	3937.45	3928.09	3906.44	3859.62	3816.90	3767.15	3688.73
45.0	3926.33	3931.60	3941.55	3942.72	3935.11	3919.90	3888.29	3844.40	3778.86
90.0	3933.94	3945.65	3946.82	3942.13	3928.09	3899.41	3857.86	3792.32	3733.79
135.0	3926.92	3933.36	3939.21	3947.40	3947.40	3938.62	3914.04	3877.76	3831.53
180.0	3928.67	3925.16	3918.14	3924.58	3932.19	3934.53	3933.36	3916.97	3891.22
225.0	3926.33	3922.24	3929.26	3933.36	3940.38	3930.43	3911.70	3881.86	3837.38
270.0	3933.94	3928.67	3928.09	3926.92	3938.62	3938.62	3929.84	3914.04	3866.05
315.0	3926.92	3928.67	3933.94	3933.36	3931.01	3919.31	3888.29	3848.50	3798.75
360.0	3928.67	3936.28	3937.45	3928.09	3906.44	3859.62	3816.90	3767.15	3688.73
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3614.41	3506.14	3401.97	3284.34	3120.48	2981.19	2826.11	2665.17	2474.39
45.0	3717.99	3648.94	3565.25	3444.69	3331.74	3210.02	3074.83	2888.73	2733.64
90.0	3668.83	3565.83	3470.44	3365.10	3250.98	3087.71	2946.67	2791.58	2637.67
135.0	3761.30	3694.58	3619.09	3510.82	3412.51	3298.97	3173.15	3005.77	2859.47
180.0	3849.08	3805.78	3749.60	3683.46	3586.32	3498.53	3397.29	3280.83	3121.06
225.0	3773.00	3712.14	3650.11	3575.20	3465.76	3362.76	3245.72	3084.78	2943.16
270.0	3823.92	3765.98	3686.98	3617.33	3537.16	3418.36	3313.02	3163.20	3033.86
315.0	3726.77	3663.57	3571.10	3480.39	3379.73	3233.43	3107.02	2967.73	2817.92
360.0	3614.41	3506.14	3401.97	3284.34	3120.48	2981.19	2826.11	2665.17	2474.39
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2319.31	2163.05	2000.36	1802.55	1650.39	1501.75	1153.24	1153.24	1095.89
45.0	2544.03	2386.61	2226.84	2029.62	1875.70	1720.03	1573.14	1402.26	1275.85
90.0	2442.79	2286.53	2088.73	1927.79	1770.95	1586.60	1447.91	1139.84	1139.84
135.0	2706.14	2548.13	2351.49	2188.80	1988.07	1829.47	1675.56	1493.55	1357.78
180.0	2989.39	2848.93	2647.62	2488.44	2326.33	2119.74	1957.64	1795.53	1602.40
225.0	2752.37	2590.26	2430.50	2270.15	2069.41	1909.65	1748.71	1598.31	1427.42
270.0	2889.31	2739.50	2536.42	2370.80	2213.96	2050.10	1849.37	1690.77	1547.39
315.0	2628.30	2463.27	2309.94	2151.35	1949.44	1793.77	1642.79	1468.39	1157.05
360.0	2319.31	2163.05	2000.36	1802.55	1650.39	1501.75	1153.24	1153.24	1095.89
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	982.77	837.16	721.17	606.94	459.93	347.10	246.50	145.55	95.92
45.0	1157.63	1042.34	894.28	773.14	658.44	515.06	401.52	296.18	296.18
90.0	1054.58	928.81	813.46	694.66	548.06	435.99	327.14	233.50	136.36
135.0	1232.54	1118.42	973.87	853.32	734.52	615.72	472.92	361.14	309.64
180.0	1463.71	1333.79	1210.89	1071.02	958.07	840.44	719.30	571.24	450.10
225.0	1149.85	1149.85	1064.64	904.41	786.07	661.77	518.28	405.68	276.69
270.0	1380.60	1255.95	1141.25	989.67	860.34	708.77	589.97	478.77	370.51
315.0	1157.05	1100.87	957.43	830.20	678.04	562.69	448.75	341.77	220.86
360.0	982.77	837.16	721.17	606.94	459.93	347.10	246.50	145.55	95.92
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	74.21	66.13	58.99	55.19	52.09	49.86	47.46	45.53	43.25
45.0	111.84	80.06	67.18	60.63	56.53	52.20	49.98	48.11	46.17
90.0	88.72	72.33	63.32	58.70	54.02	51.44	49.33	47.29	44.83
135.0	309.64	95.80	73.80	64.32	59.22	55.54	51.85	49.80	47.81
180.0	334.22	307.30	191.66	83.34	70.58	63.73	58.87	54.13	51.38
225.0	187.51	118.86	81.99	67.71	61.27	56.94	53.43	50.39	48.46
270.0	318.42	318.42	100.78	74.09	65.90	58.64	54.84	51.68	49.16
315.0	142.44	91.35	71.28	62.15	57.18	53.61	50.21	48.22	46.47
360.0	74.21	66.13	58.99	55.19	52.09	49.86	47.46	45.53	43.25

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	41.43	39.80	38.10	36.93	35.82	34.29	33.01	31.60	30.14
45.0	43.89	42.08	40.32	38.80	37.22	35.99	34.47	33.18	31.89
90.0	43.01	41.26	39.62	37.86	36.69	35.46	33.88	32.60	31.19
135.0	45.35	43.60	41.73	39.97	38.27	37.10	35.93	34.70	33.12
180.0	49.39	47.52	45.24	43.42	41.67	40.03	38.33	37.16	35.70
225.0	46.70	44.48	42.72	41.02	39.09	37.86	36.75	35.29	34.12
270.0	47.40	45.12	43.42	41.73	39.74	38.45	37.28	36.11	34.59
315.0	44.18	42.49	40.79	39.03	37.75	36.69	35.29	34.12	32.83
360.0	41.43	39.80	38.10	36.93	35.82	34.29	33.01	31.60	30.14
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.44	27.27	26.22	25.28	24.11	23.23	22.59	22.00	21.54
45.0	30.14	28.85	27.56	26.51	25.28	24.40	23.47	22.71	22.00
90.0	29.44	28.15	26.80	25.75	24.87	23.88	23.06	22.36	21.83
135.0	31.78	30.26	28.62	27.51	26.22	25.28	24.40	23.47	22.53
180.0	34.47	33.18	31.43	29.90	28.56	27.10	26.16	25.22	24.35
225.0	32.77	31.02	29.55	28.21	27.10	25.87	24.93	23.99	23.17
270.0	33.30	31.95	30.43	29.03	27.56	26.51	25.28	24.40	23.53
315.0	31.43	29.55	28.27	27.10	26.10	24.93	24.05	23.06	22.41
360.0	28.44	27.27	26.22	25.28	24.11	23.23	22.59	22.00	21.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.54	19.55	18.73	18.55	18.49	18.38	18.26	18.08	17.79
45.0	21.59	20.95	19.61	18.67	18.43	18.32	18.20	18.20	18.02
90.0	21.30	20.13	19.08	18.61	18.49	18.43	18.43	18.38	18.26
135.0	22.06	21.59	20.89	19.49	18.73	18.61	18.49	18.49	18.49
180.0	23.29	22.59	21.95	21.42	20.42	19.37	18.67	18.49	18.38
225.0	22.36	21.95	21.24	20.25	19.20	18.67	18.55	18.43	18.38
270.0	22.65	22.12	21.65	20.72	19.61	18.61	18.38	18.26	18.14
315.0	21.95	21.24	20.31	19.14	18.38	18.14	18.08	18.08	18.02
360.0	20.54	19.55	18.73	18.55	18.49	18.38	18.26	18.08	17.79
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.62	17.44	17.09	16.74	16.33	15.63	15.04	14.46	13.64
45.0	17.91	17.73	17.56	17.21	16.80	16.39	15.92	15.39	14.92
90.0	18.08	17.91	17.62	17.26	16.85	16.33	15.86	15.39	14.81
135.0	18.43	18.26	18.14	17.79	17.44	16.97	16.62	15.98	15.33
180.0	18.38	18.32	18.14	17.97	17.79	17.56	17.21	16.80	16.21
225.0	18.26	18.14	18.02	17.91	17.56	17.21	16.80	16.27	15.74
270.0	18.08	18.02	17.91	17.79	17.62	17.21	16.80	16.39	15.74
315.0	17.91	17.73	17.67	17.32	16.97	16.50	16.04	15.51	14.92
360.0	17.62	17.44	17.09	16.74	16.33	15.63	15.04	14.46	13.64
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.23	12.23	11.29	10.42	10.07	9.83	9.66	9.66	9.66
45.0	14.46	13.64	12.17	11.00	10.30	10.07	9.83	9.60	9.60
90.0	13.93	12.70	11.24	10.53	10.24	10.01	9.77	9.60	9.60
135.0	14.75	13.93	12.99	11.59	10.65	10.24	10.07	9.83	9.60
180.0	15.63	14.98	14.34	13.52	12.47	11.29	10.59	10.18	10.01
225.0	15.27	14.57	13.87	12.76	11.24	10.36	10.07	9.95	9.71
270.0	15.33	14.81	14.28	13.58	12.11	10.89	10.24	10.01	9.77
315.0	14.28	13.75	13.40	11.94	11.00	10.30	10.01	9.83	9.60
360.0	13.23	12.23	11.29	10.42	10.07	9.83	9.66	9.66	9.66

Intensity data(cd)

C/γ(°)	90.0
0.0	9.66
45.0	9.60
90.0	9.60
135.0	9.60
180.0	9.71
225.0	9.60
270.0	9.60
315.0	9.66
360.0	9.66