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NT

LumCAT: 2-2687-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC
Report No: 2024227-B013
Test No: 2024227-C013
Number of Lamps: 1
Lamp flux(lm): 3316.0
Length(mm): 0
Phm Type: C
Voltage(V): 35.9800
Current(A): 0.7010
Power (W): 25.2210
PF: 0.0000
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2753.61, Efficiency(%): 83.04% , Luminous Efficacy(lm/W): 109.18
Central intensity(cd): 10416.330, Maximum intensity(cd): 10416.330
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=23.0
[C90/270]Total=23.0
Field angle(10%Imax): [C0/180]Total=55.6
[C90/270]Total=55.6
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.44 C90_270=0.44
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.04%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.041%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
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	10416.332	0.000	0	0.00%	0.00%
1.0	10345.739	9.934	9.934	0.30%	0.36%
2.0	10118.233	29.372	39.306	0.89%	1.43%
3.0	9768.049	47.561	86.868	1.43%	3.15%
4.0	9321.376	63.898	150.766	1.93%	5.48%
5.0	8801.038	77.962	228.728	2.35%	8.31%
6.0	8257.583	89.648	318.375	2.70%	11.56%
7.0	7681.576	98.934	417.309	2.98%	15.15%
8.0	7098.765	105.780	523.089	3.19%	19.00%
9.0	6558.309	110.683	633.773	3.34%	23.02%
10.0	5985.740	113.519	747.292	3.42%	27.14%
11.0	5451.503	114.282	861.573	3.45%	31.29%
12.0	4955.963	113.769	975.342	3.43%	35.42%
13.0	4512.216	112.363	1087.705	3.39%	39.50%
14.0	4066.933	109.812	1197.518	3.31%	43.49%
15.0	3691.585	106.512	1304.03	3.21%	47.36%
16.0	3362.908	103.368	1407.398	3.12%	51.11%
17.0	3054.348	99.934	1507.332	3.01%	54.74%
18.0	2786.827	96.308	1603.64	2.90%	58.24%
19.0	2544.983	92.763	1696.403	2.80%	61.61%
20.0	2319.671	89.037	1785.439	2.69%	64.84%
21.0	2113.306	85.122	1870.562	2.57%	67.93%
22.0	1934.739	81.347	1951.909	2.45%	70.89%
23.0	1744.980	77.210	2029.119	2.33%	73.69%
24.0	1556.581	72.184	2101.303	2.18%	76.31%
25.0	1424.467	67.783	2169.086	2.04%	78.77%
26.0	1271.526	63.639	2232.725	1.92%	81.08%
27.0	1134.210	58.857	2291.582	1.77%	83.22%
28.0	1013.098	54.365	2345.947	1.64%	85.20%
29.0	876.462	49.436	2395.383	1.49%	86.99%
30.0	758.569	44.146	2439.529	1.33%	88.59%
31.0	634.691	38.772	2478.301	1.17%	90.00%
32.0	528.224	33.316	2511.617	1.00%	91.21%
33.0	433.388	28.329	2539.947	0.85%	92.24%
34.0	354.449	23.842	2563.789	0.72%	93.11%
35.0	296.453	20.215	2584.004	0.61%	93.84%
36.0	235.846	16.948	2600.952	0.51%	94.46%
37.0	187.821	13.818	2614.77	0.42%	94.96%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	156.672	11.499	2626.269	0.35%	95.38%
39.0	112.590	9.191	2635.459	0.28%	95.71%
40.0	90.425	7.080	2642.54	0.21%	95.97%
41.0	72.846	5.814	2648.354	0.18%	96.18%
42.0	61.419	4.878	2653.232	0.15%	96.35%
43.0	51.983	4.201	2657.432	0.13%	96.51%
44.0	45.245	3.670	2661.102	0.11%	96.64%
45.0	40.256	3.286	2664.388	0.10%	96.76%
46.0	36.547	3.004	2667.392	0.09%	96.87%
47.0	33.504	2.786	2670.178	0.08%	96.97%
48.0	31.068	2.610	2672.788	0.08%	97.06%
49.0	29.086	2.470	2675.258	0.07%	97.15%
50.0	27.513	2.360	2677.618	0.07%	97.24%
51.0	26.299	2.277	2679.895	0.07%	97.32%
52.0	25.340	2.216	2682.111	0.07%	97.40%
53.0	24.660	2.175	2684.286	0.07%	97.48%
54.0	24.184	2.153	2686.439	0.06%	97.56%
55.0	23.921	2.147	2688.586	0.06%	97.64%
56.0	23.789	2.156	2690.742	0.07%	97.72%
57.0	23.826	2.177	2692.919	0.07%	97.80%
58.0	23.958	2.210	2695.129	0.07%	97.88%
59.0	24.206	2.252	2697.38	0.07%	97.96%
60.0	24.382	2.295	2699.676	0.07%	98.04%
61.0	24.375	2.327	2702.002	0.07%	98.13%
62.0	24.199	2.341	2704.343	0.07%	98.21%
63.0	23.687	2.329	2706.672	0.07%	98.30%
64.0	22.860	2.284	2708.956	0.07%	98.38%
65.0	22.004	2.220	2711.176	0.07%	98.46%
66.0	21.163	2.154	2713.33	0.06%	98.54%
67.0	20.322	2.086	2715.416	0.06%	98.61%
68.0	19.671	2.026	2717.442	0.06%	98.69%
69.0	19.393	1.993	2719.435	0.06%	98.76%
70.0	19.247	1.984	2721.419	0.06%	98.83%
71.0	18.815	1.967	2723.387	0.06%	98.90%
72.0	18.471	1.939	2725.325	0.06%	98.97%
73.0	18.376	1.927	2727.252	0.06%	99.04%
74.0	17.966	1.911	2729.163	0.06%	99.11%
75.0	17.498	1.874	2731.037	0.06%	99.18%

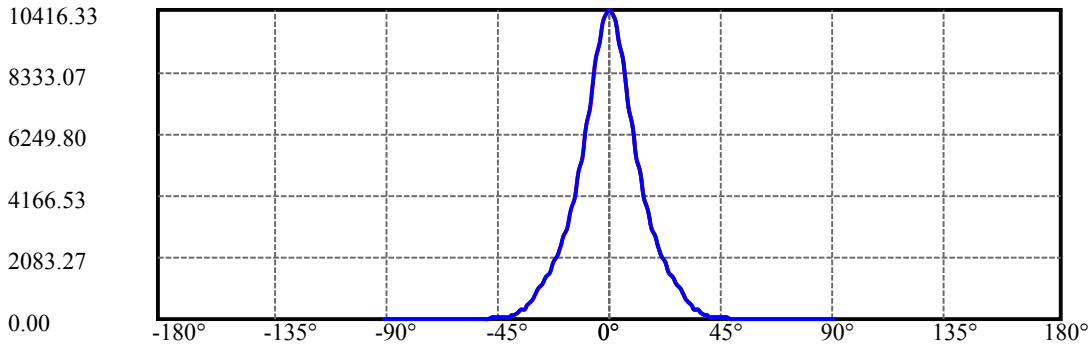
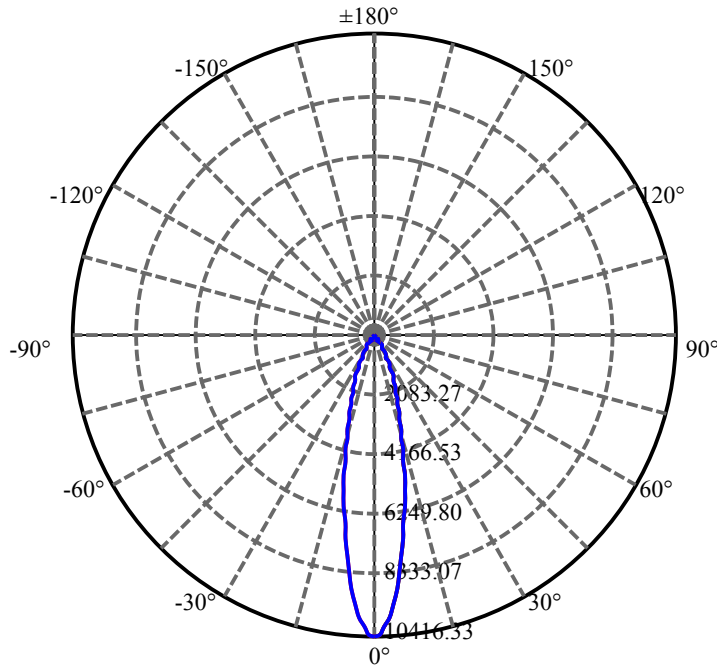
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.059	1.834	2732.871	0.06%	99.25%
77.0	16.562	1.793	2734.664	0.05%	99.31%
78.0	15.918	1.739	2736.402	0.05%	99.38%
79.0	15.062	1.665	2738.067	0.05%	99.44%
80.0	14.279	1.582	2739.649	0.05%	99.49%
81.0	13.775	1.517	2741.166	0.05%	99.55%
82.0	13.475	1.478	2742.644	0.04%	99.60%
83.0	13.190	1.450	2744.093	0.04%	99.65%
84.0	12.955	1.424	2745.517	0.04%	99.71%
85.0	12.670	1.399	2746.916	0.04%	99.76%
86.0	12.451	1.373	2748.289	0.04%	99.81%
87.0	12.282	1.354	2749.643	0.04%	99.86%
88.0	12.092	1.335	2750.978	0.04%	99.90%
89.0	12.012	1.321	2752.299	0.04%	99.95%
90.0	11.924	1.312	2753.611	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2439.53	73.57%	88.59%
0-40	2642.54	79.69%	95.97%
0-60	2699.68	81.41%	98.04%
0-90	2752.30	83.00%	99.95%
0-120	2752.30	83.00%	99.95%
0-180	2753.61	83.04%	100.00%
60-90	52.62	1.59%	1.91%
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%
0-25.53	2202.89	66.43%	80.00%

ZONAL LUMEN SUMMARY

0-10	747.29
10-20	1038.15
20-30	654.09
30-40	203.01
40-50	35.08
50-60	22.06
60-70	21.74
70-80	18.23
80-90	12.65
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: —————

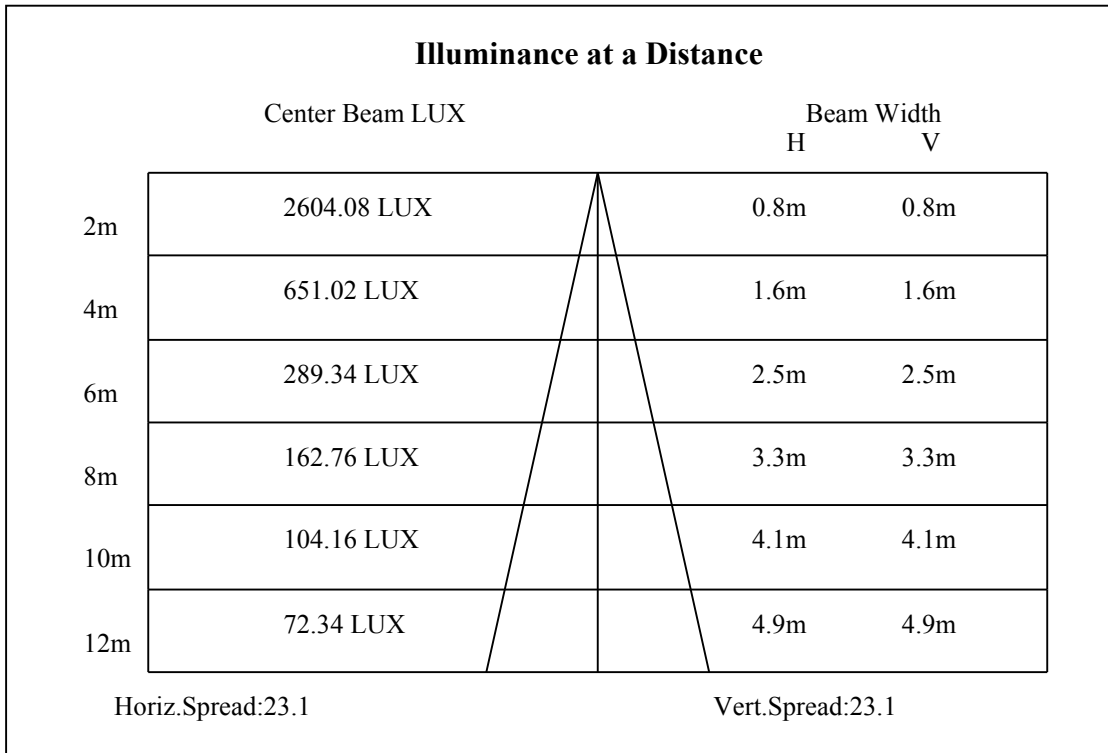
C90/C270: —————

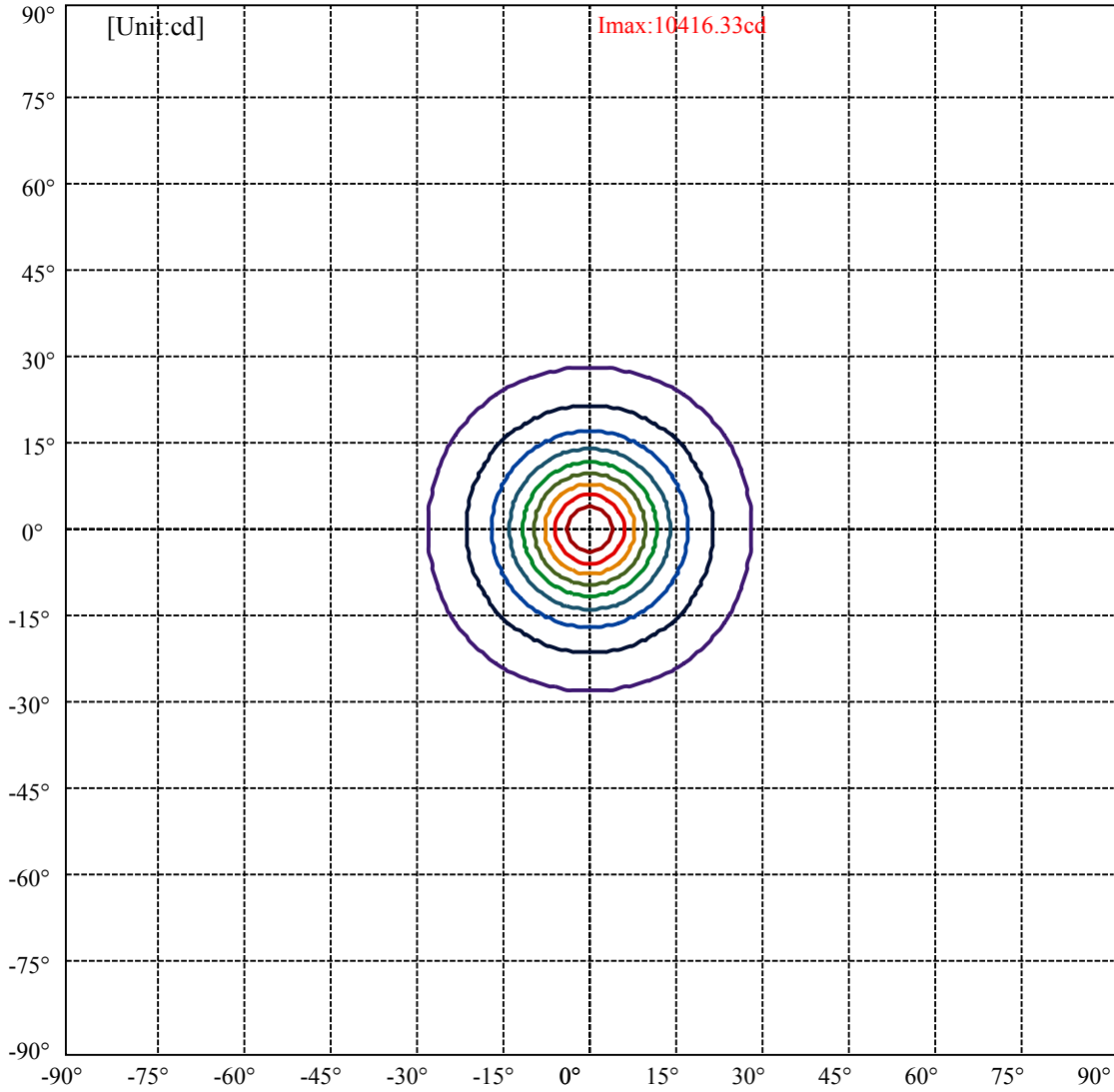
Field angle(10%Imax):C0/180Left:27.8 Right:27.8

:C90/270Left:27.8 Right:27.8

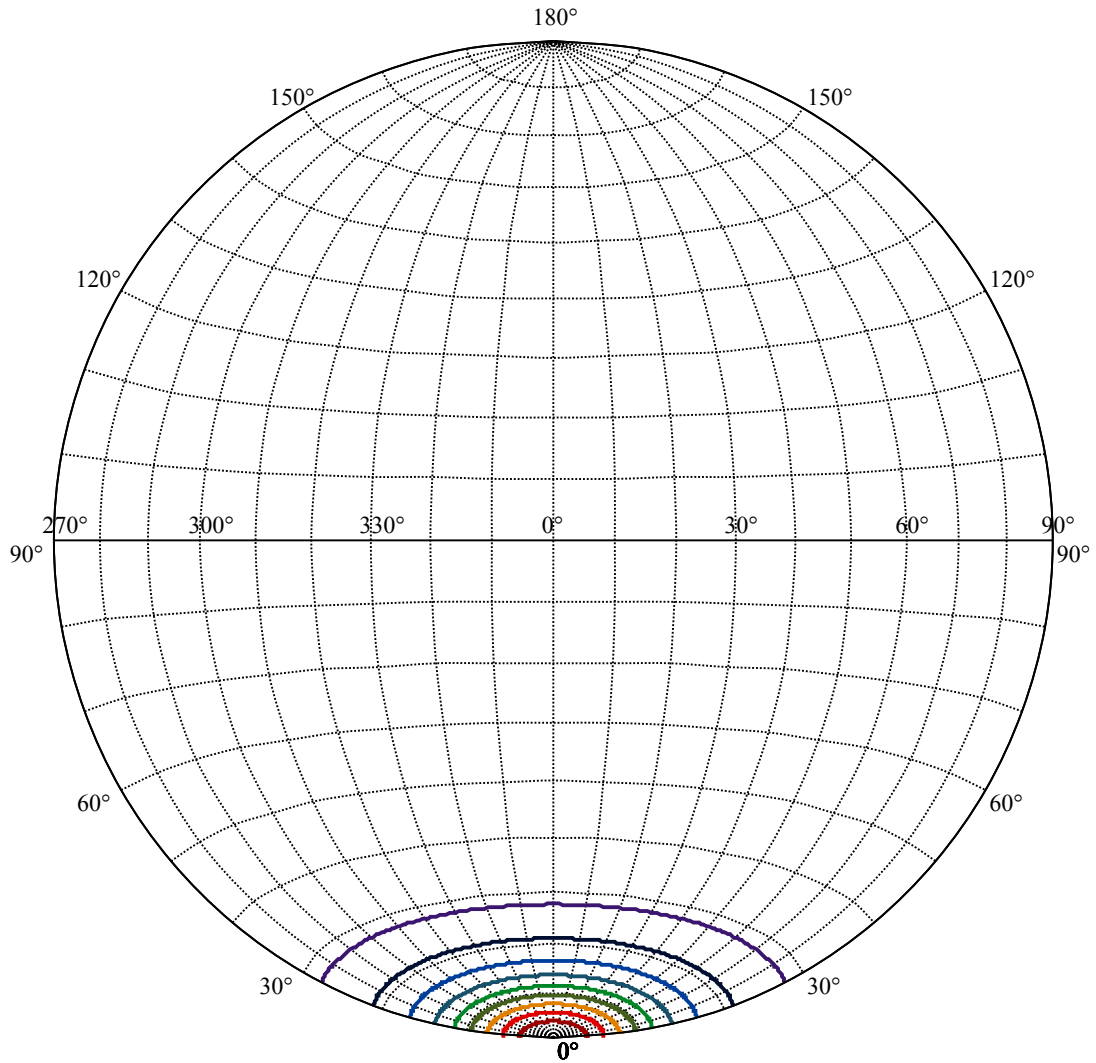
Beam Angle(50%Imax):C0/180Left:11.5 Right:11.5

:C90/270Left:11.5 Right:11.5





(10%Imax) 1041.63	—
(20%Imax) 2083.27	—
(30%Imax) 3124.9	—
(40%Imax) 4166.53	—
(50%Imax) 5208.17	—
(60%Imax) 6249.8	—
(70%Imax) 7291.43	—
(80%Imax) 8333.07	—
(90%Imax) 9374.7	—



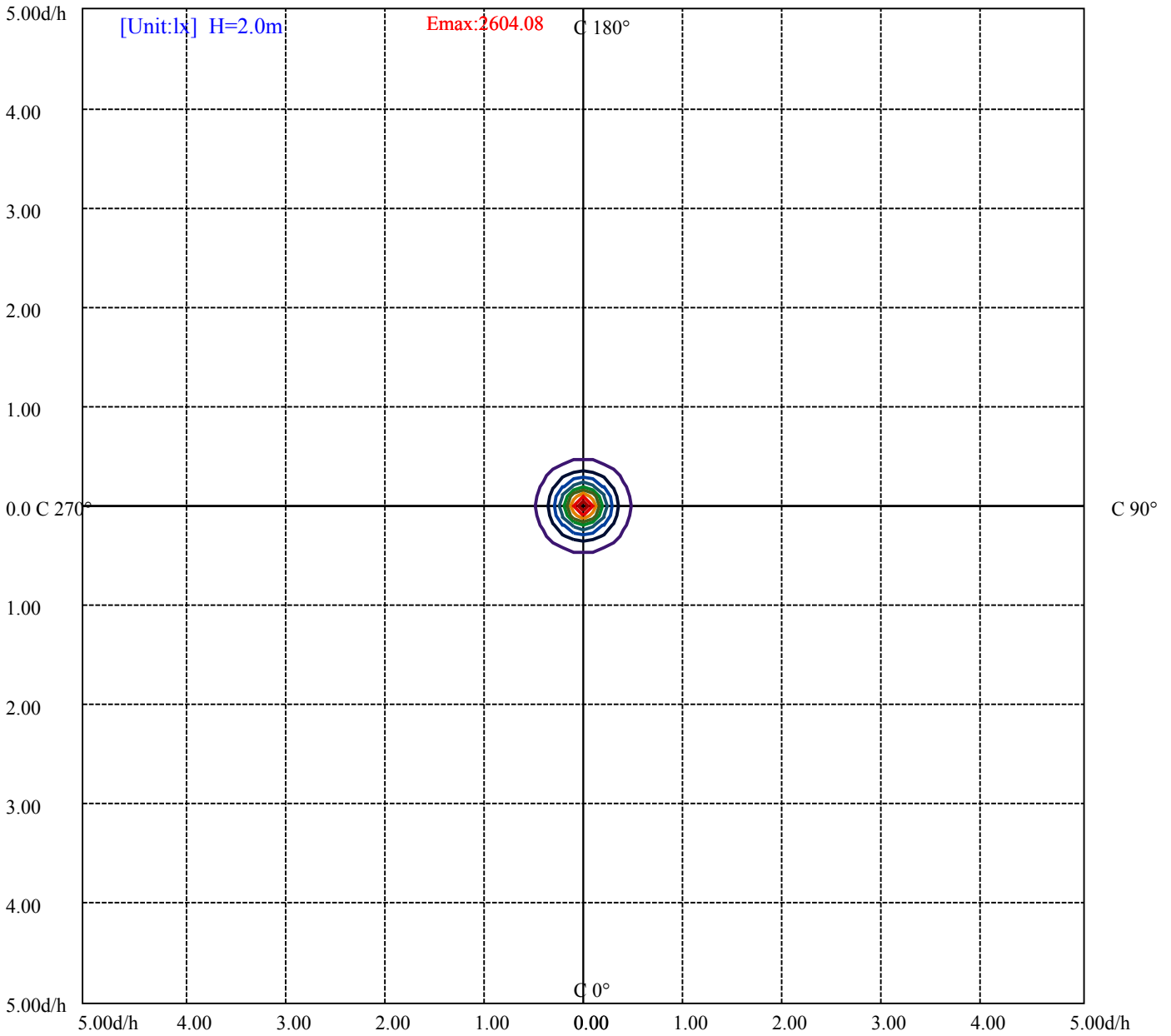
House

[Unit:cd]

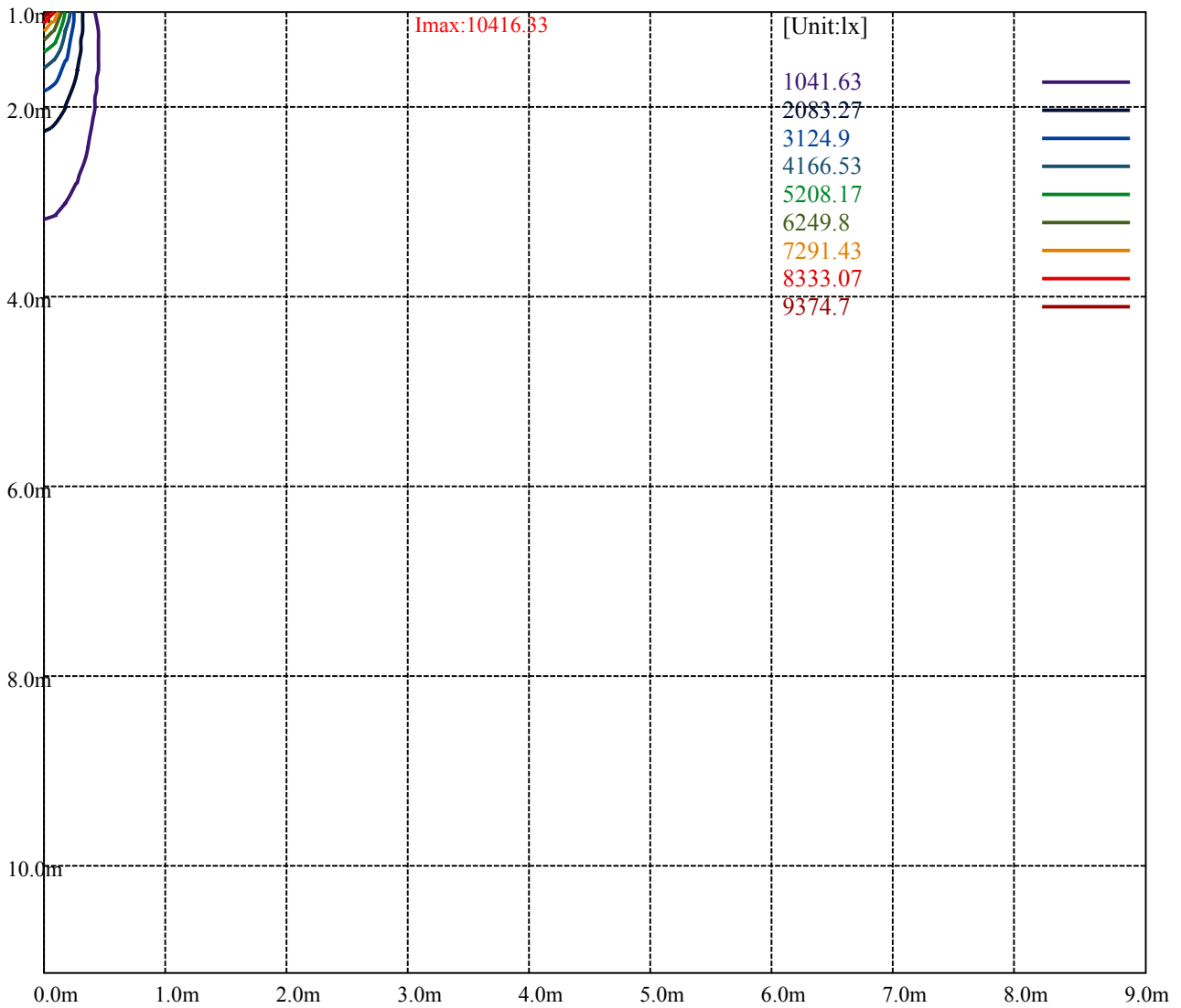
Road

Imax:10416.33

(10%Imax) 1041.63	—
(20%Imax) 2083.27	—
(30%Imax) 3124.9	—
(40%Imax) 4166.53	—
(50%Imax) 5208.17	—
(60%Imax) 6249.8	—
(70%Imax) 7291.43	—
(80%Imax) 8333.07	—
(90%Imax) 9374.7	—



- (10%Emax) 260.4075
- (20%Emax) 520.815
- (30%Emax) 781.225
- (40%Emax) 1041.632
- (50%Emax) 1302.04
- (60%Emax) 1562.448
- (70%Emax) 1822.855
- (80%Emax) 2083.265
- (90%Emax) 2343.673



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

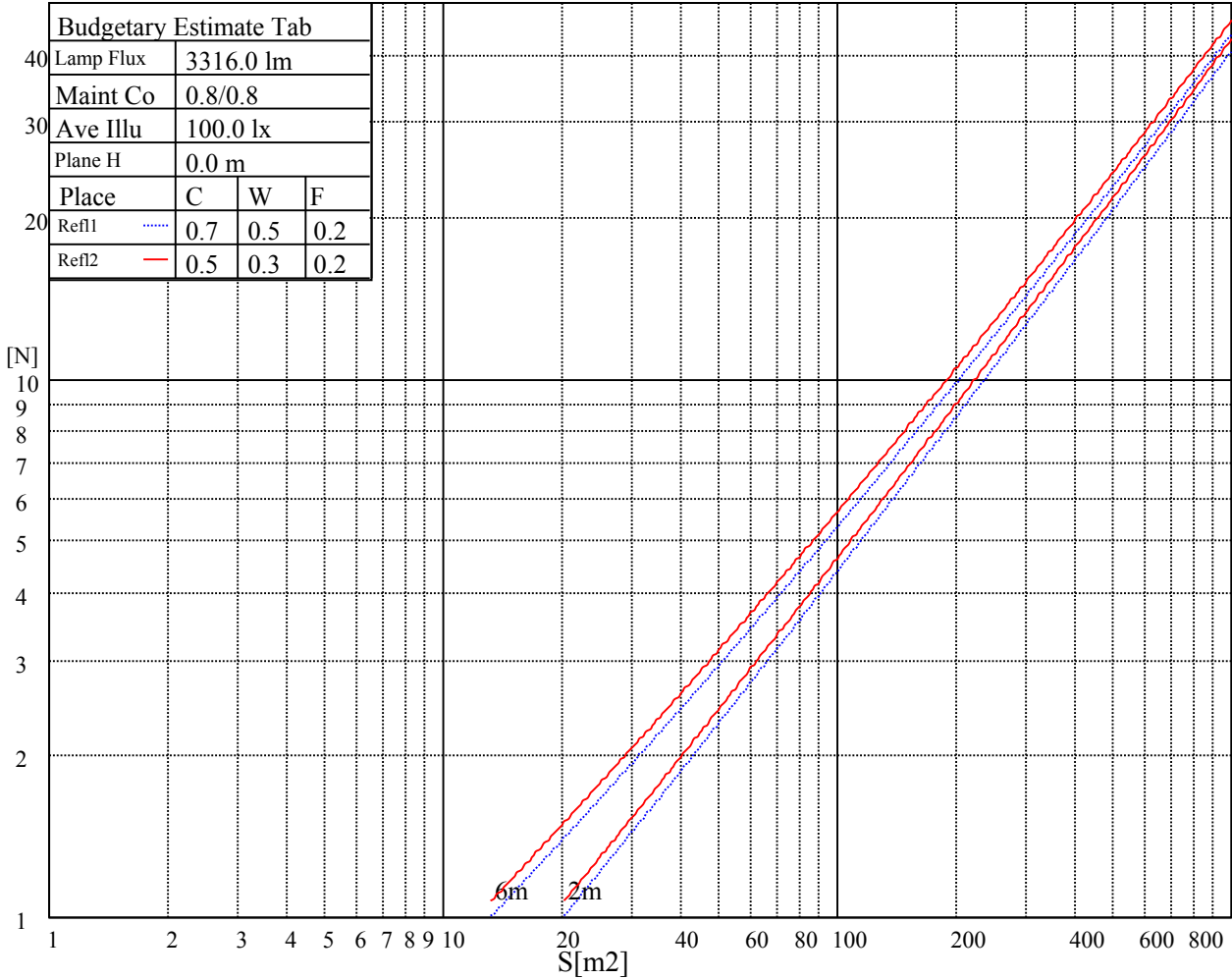
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

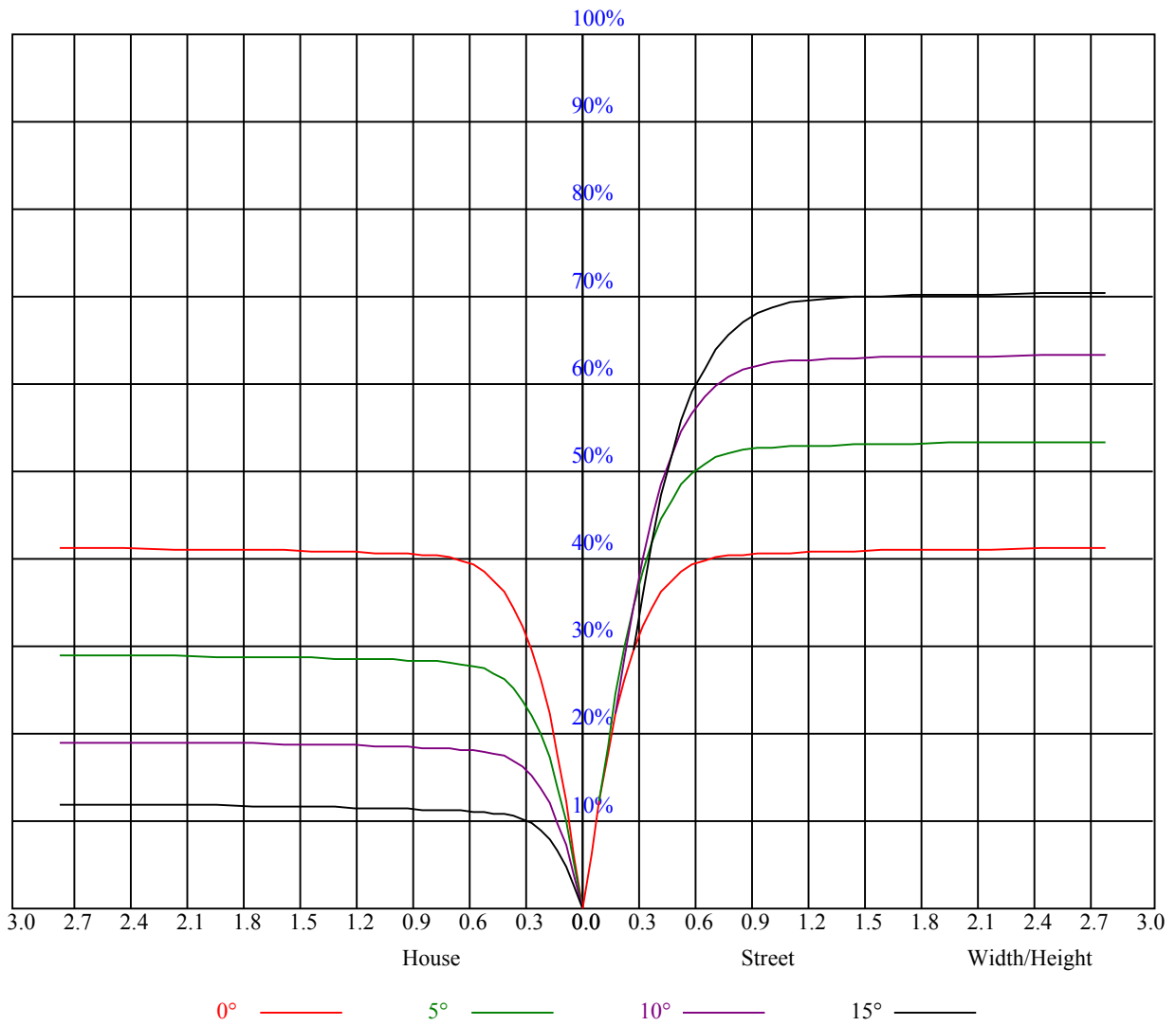


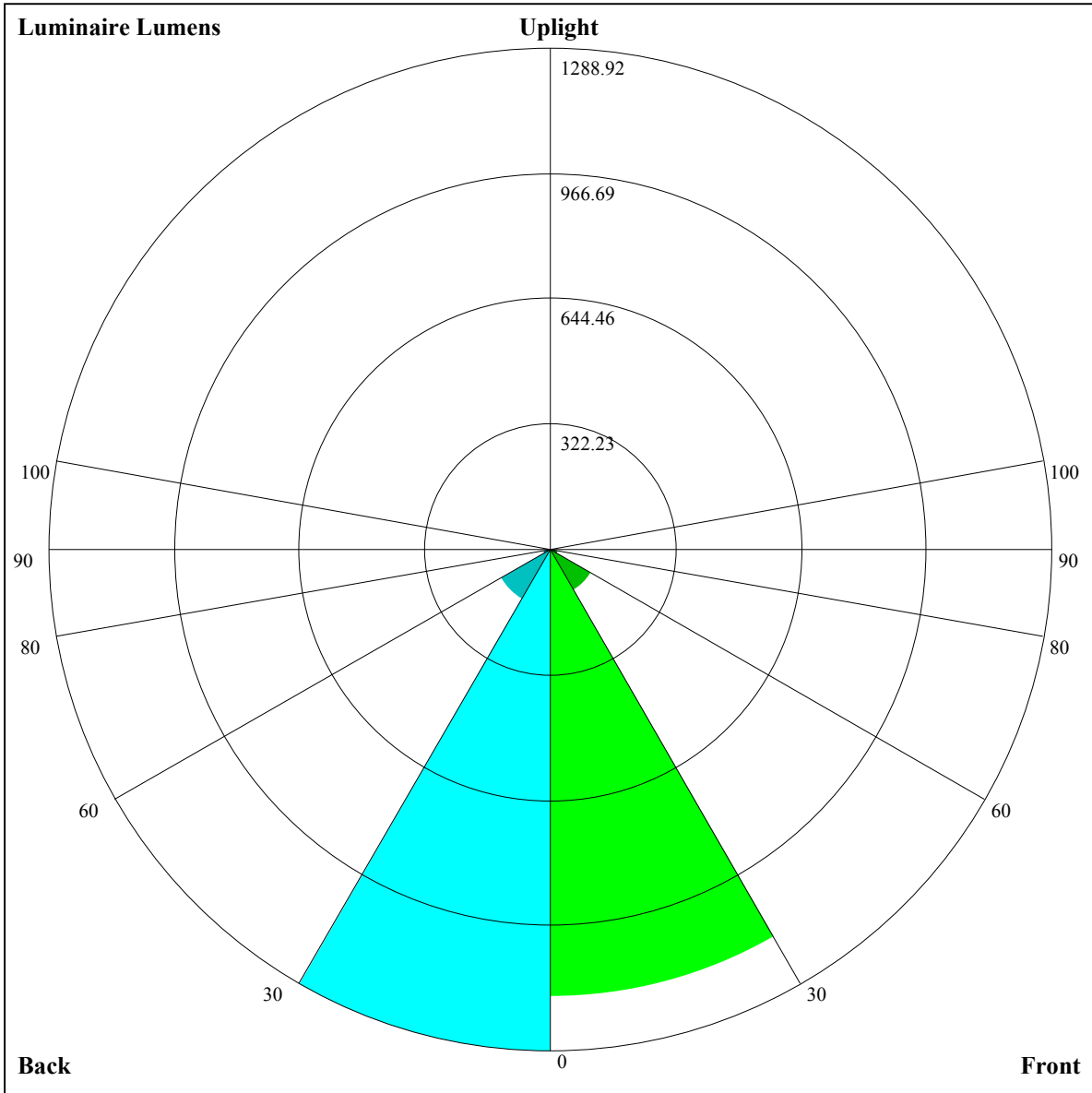
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
8H	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
12H	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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.84	0.81	0.84	0.81	0.80	0.81	0.79	0.78	0.79	0.78	0.76	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.70	0.69
5	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.66
6	0.72	0.68	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
7	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	0.64	0.62	0.61
8	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.58
9	0.64	0.61	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
10	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.55





Luminaire Lumens:

FL=1151.36,FM=119.45,FH=20.52,FVH=6.96

BL=1288.92,BM=145.89,BH=19.74,BVH=7.02

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	10154.30	9763.37	9301.04	8783.12	8102.50	7574.04	7046.17	6384.28	5873.38
45.0	10532.94	10292.41	9849.40	9381.22	8855.68	8168.63	7640.17	7125.76	6478.50
90.0	10372.00	10001.55	9573.17	8953.42	8423.20	7883.62	7213.54	6685.67	6168.33
135.0	10606.09	10524.74	10297.68	9873.97	9391.75	8861.54	8320.20	7644.27	7129.85
180.0	10154.30	10491.39	10637.11	10602.58	10384.88	9992.19	9553.86	8924.74	8365.85
225.0	10532.94	10631.26	10499.00	10257.30	9903.24	9445.59	8803.60	8250.56	7689.92
270.0	10372.00	10555.18	10571.56	10426.43	10084.66	9696.65	9229.06	8716.40	8042.81
315.0	10606.09	10506.02	10216.92	9866.37	9425.11	8786.04	8254.07	7720.93	7041.49
360.0	10154.30	9763.37	9301.04	8783.12	8102.50	7574.04	7046.17	6384.28	5873.38
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5376.52	4797.73	4378.71	3985.44	3552.96	3260.35	2994.65	2752.37	2479.66
45.0	5974.62	5487.71	4901.32	4470.01	4073.81	3706.87	3315.36	3043.23	2799.19
90.0	5668.55	5064.60	4621.58	4206.66	3833.28	3424.80	3142.72	2892.83	2602.55
135.0	6484.35	5981.64	5495.91	4909.51	4473.52	4080.83	3714.48	3308.92	3039.72
180.0	7804.03	7128.68	6594.37	6072.35	5569.06	4969.79	4529.11	4117.70	3741.99
225.0	7142.73	6471.48	5953.55	5332.04	4863.28	4426.70	3938.62	3584.56	3269.71
270.0	7507.91	6971.26	6307.03	5780.33	5274.69	4697.07	4276.88	3891.22	3461.66
315.0	6507.76	5982.81	5359.55	4891.37	4457.13	3969.05	3620.85	3312.43	3040.30
360.0	5376.52	4797.73	4378.71	3985.44	3552.96	3260.35	2994.65	2752.37	2479.66
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2281.27	2097.50	1931.89	1742.86	1599.48	1315.06	1142.01	1142.01	972.76
45.0	2575.05	2319.89	2132.62	1923.11	1771.53	1624.64	1445.56	1304.53	1166.41
90.0	2397.14	2201.09	1983.39	1827.13	1642.20	1495.89	1148.45	1148.45	1081.14
135.0	2803.87	2573.29	2315.79	2130.28	1962.90	1767.44	1622.89	1442.05	1303.35
180.0	3336.43	3061.96	2814.99	2510.67	2306.43	2085.22	1916.67	1756.90	1618.21
225.0	2999.34	2694.43	2472.05	2268.98	2087.56	1883.31	1734.67	1594.21	1324.42
270.0	3167.30	2900.43	2600.21	2384.27	2195.24	2027.28	1862.83	1672.05	1539.20
315.0	2734.23	2511.26	2306.43	2119.16	1912.57	1761.00	1579.58	1335.54	1166.70
360.0	2281.27	2097.50	1931.89	1742.86	1599.48	1315.06	1142.01	1142.01	972.76
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	842.02	723.16	593.71	499.20	412.70	336.91	258.79	208.28	167.49
45.0	1028.88	865.61	742.71	635.61	540.22	428.44	351.19	300.28	300.28
90.0	912.25	784.73	671.19	570.13	455.13	373.78	303.26	231.57	185.93
135.0	1165.24	1032.40	870.29	747.39	639.12	540.22	426.10	347.10	296.18
180.0	1443.22	1310.38	1178.70	1042.34	877.31	749.73	639.12	516.81	427.27
225.0	1155.23	1155.23	990.73	861.39	737.27	600.79	504.23	417.62	340.43
270.0	1392.89	1233.13	1093.26	965.09	807.08	683.02	560.12	465.31	384.55
315.0	1133.93	1000.15	871.11	747.39	608.69	512.89	424.29	348.62	269.50
360.0	842.02	723.16	593.71	499.20	412.70	336.91	258.79	208.28	167.49
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	135.07	103.70	84.97	67.77	59.58	49.51	44.01	38.92	35.82
45.0	170.89	137.12	104.40	85.15	70.99	58.46	51.27	45.41	41.02
90.0	141.74	114.47	92.99	73.80	62.21	53.49	46.88	41.14	37.69
135.0	296.18	163.86	130.33	104.81	84.68	67.36	57.64	48.57	43.01
180.0	348.85	297.35	297.35	167.67	126.53	101.77	82.69	65.78	56.12
225.0	261.48	210.68	169.31	135.54	103.41	83.80	69.23	58.58	48.87
270.0	314.32	299.11	231.28	156.37	126.53	97.91	80.29	66.72	56.24
315.0	218.23	176.27	142.74	109.61	89.48	70.46	59.34	50.74	43.19
360.0	135.07	103.70	84.97	67.77	59.58	49.51	44.01	38.92	35.82

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	33.18	31.02	28.85	27.45	26.22	25.22	24.76	24.40	24.11
45.0	36.99	34.41	32.25	29.96	28.44	27.15	26.28	25.57	25.22
90.0	34.88	32.60	30.14	28.62	27.27	26.28	25.34	24.93	24.46
135.0	39.03	35.17	32.60	30.43	28.15	26.69	25.52	24.70	23.99
180.0	48.87	43.42	38.33	35.23	32.66	30.37	28.56	26.63	25.34
225.0	43.31	38.39	35.23	32.66	30.02	28.32	26.86	25.46	24.64
270.0	46.82	41.67	37.69	33.94	31.43	28.97	27.39	26.16	25.11
315.0	38.98	35.70	32.95	30.26	28.50	27.10	25.69	24.87	24.40
360.0	33.18	31.02	28.85	27.45	26.22	25.22	24.76	24.40	24.11
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.94	23.99	24.05	24.52	24.87	25.16	24.76	24.23	23.41
45.0	24.93	24.64	24.70	24.76	25.05	25.40	25.69	25.34	24.76
90.0	24.23	24.23	24.23	24.52	24.87	25.28	25.40	24.81	24.23
135.0	23.64	23.35	23.23	23.29	23.41	23.88	24.23	24.58	24.29
180.0	24.17	23.58	23.17	22.82	22.71	22.71	22.82	23.17	23.58
225.0	24.11	23.76	23.47	23.41	23.41	23.53	23.82	24.05	24.52
270.0	24.35	23.99	23.70	23.47	23.41	23.47	23.70	23.99	24.35
315.0	24.11	23.82	23.76	23.82	23.94	24.23	24.64	24.81	24.46
360.0	23.94	23.99	24.05	24.52	24.87	25.16	24.76	24.23	23.41
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.89	20.95	19.90	18.84	18.49	18.73	19.31	19.61	19.78
45.0	23.99	22.82	21.65	21.13	20.83	20.95	21.30	21.95	23.23
90.0	23.23	21.83	21.71	21.59	21.19	21.59	23.41	25.22	23.29
135.0	23.76	22.94	21.77	20.54	19.49	18.38	17.56	16.97	16.56
180.0	23.99	23.88	23.41	22.71	21.65	20.19	19.20	18.08	17.03
225.0	24.23	23.70	22.71	21.59	20.48	19.49	18.14	17.38	16.85
270.0	24.46	23.88	23.23	22.30	20.83	19.84	18.79	17.79	17.21
315.0	23.94	22.88	21.65	20.60	19.61	18.20	17.44	16.97	16.56
360.0	21.89	20.95	19.90	18.84	18.49	18.73	19.31	19.61	19.78
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	20.01	20.13	19.55	19.08	17.91	16.74	16.04	14.28	13.58
45.0	23.76	23.35	23.29	23.06	22.30	20.66	19.20	17.67	15.68
90.0	21.48	22.71	21.54	19.90	19.78	20.01	18.43	16.39	14.16
135.0	16.33	16.04	15.86	15.63	15.33	15.10	14.75	14.46	14.16
180.0	16.56	16.09	15.80	15.57	15.22	14.98	14.81	14.51	14.22
225.0	16.44	16.09	15.86	15.63	15.33	15.04	14.75	14.40	14.16
270.0	16.97	16.68	16.15	15.74	15.45	15.16	14.86	14.57	14.28
315.0	16.21	15.92	15.68	15.39	15.16	14.81	14.51	14.22	13.99
360.0	20.01	20.13	19.55	19.08	17.91	16.74	16.04	14.28	13.58
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.28	13.05	12.87	12.64	12.35	12.17	12.00	11.94	11.94
45.0	14.05	13.58	13.23	12.93	12.64	12.29	12.06	11.88	11.88
90.0	13.52	13.17	12.93	12.70	12.35	12.11	12.11	11.88	11.88
135.0	13.93	13.58	13.34	13.05	12.70	12.35	12.23	12.06	11.88
180.0	13.99	13.69	13.40	13.17	12.99	12.82	12.64	12.41	12.29
225.0	13.81	13.58	13.28	13.11	12.82	12.70	12.47	12.23	12.11
270.0	13.99	13.75	13.28	13.05	12.82	12.70	12.47	12.29	12.11
315.0	13.64	13.40	13.17	12.99	12.70	12.47	12.29	12.06	12.00
360.0	13.28	13.05	12.87	12.64	12.35	12.17	12.00	11.94	11.94

Intensity data(cd)

C/ γ (°)	90.0
0.0	11.94
45.0	11.82
90.0	11.82
135.0	11.88
180.0	12.06
225.0	12.00
270.0	12.06
315.0	11.82
360.0	11.94