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NT

Client:

LumCAT: 2-2680-L

Luminaire: 92.70.412.00

Report No: 2024226-B015

Ballast type: AC

Test No: 2024226-C015

Voltage(V): 36.080

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3301.0

Power (W): 25.256

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2717.12, Efficiency(%): 82.31% , Luminous Efficacy(lm/W): 107.58

Central intensity(cd): 6014.270, Maximum intensity(cd): 6014.270

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.2

[C90/270]Total=37.2

Field angle(10%Imax): [C0/180]Total=65.0

[C90/270]Total=65.0

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

Maximum s/h(1/4): C0_180=0.61 C90_270=0.61

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.31%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.875%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
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	6014.270	0.000	0	0.00%	0.00%
1.0	6005.491	5.751	5.751	0.17%	0.21%
2.0	5972.499	17.192	22.943	0.52%	0.84%
3.0	5920.048	28.443	51.386	0.86%	1.89%
4.0	5843.018	39.375	90.761	1.19%	3.34%
5.0	5751.869	49.881	140.642	1.51%	5.18%
6.0	5640.238	59.869	200.51	1.81%	7.38%
7.0	5502.490	69.163	269.673	2.10%	9.92%
8.0	5351.795	77.682	347.355	2.35%	12.78%
9.0	5175.130	85.315	432.67	2.58%	15.92%
10.0	4977.543	91.878	524.548	2.78%	19.31%
11.0	4783.102	97.529	622.077	2.95%	22.89%
12.0	4571.397	102.258	724.335	3.10%	26.66%
13.0	4342.867	105.790	830.125	3.20%	30.55%
14.0	4110.094	108.197	938.322	3.28%	34.53%
15.0	3886.318	109.778	1048.1	3.33%	38.57%
16.0	3638.841	110.265	1158.365	3.34%	42.63%
17.0	3397.290	109.571	1267.936	3.32%	46.66%
18.0	3150.032	107.951	1375.887	3.27%	50.64%
19.0	2914.845	105.516	1481.404	3.20%	54.52%
20.0	2665.905	102.143	1583.547	3.09%	58.28%
21.0	2427.572	97.805	1681.352	2.96%	61.88%
22.0	2196.847	92.930	1774.282	2.82%	65.30%
23.0	1987.556	87.800	1862.082	2.66%	68.53%
24.0	1756.970	81.869	1943.951	2.48%	71.54%
25.0	1592.375	76.157	2020.107	2.31%	74.35%
26.0	1409.134	70.851	2090.958	2.15%	76.95%
27.0	1273.281	65.626	2156.584	1.99%	79.37%
28.0	1128.694	60.813	2217.397	1.84%	81.61%
29.0	1002.929	55.769	2273.167	1.69%	83.66%
30.0	876.440	50.743	2323.909	1.54%	85.53%
31.0	749.907	45.259	2369.168	1.37%	87.19%
32.0	648.524	40.063	2409.231	1.21%	88.67%
33.0	549.782	35.303	2444.534	1.07%	89.97%
34.0	456.176	30.443	2474.977	0.92%	91.09%
35.0	371.859	25.716	2500.693	0.78%	92.03%
36.0	307.199	21.621	2522.314	0.65%	92.83%
37.0	240.015	17.847	2540.161	0.54%	93.49%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	202.246	14.762	2554.924	0.45%	94.03%
39.0	143.102	11.788	2566.711	0.36%	94.46%
40.0	124.148	9.321	2576.032	0.28%	94.81%
41.0	92.904	7.729	2583.761	0.23%	95.09%
42.0	81.997	6.354	2590.116	0.19%	95.33%
43.0	74.901	5.812	2595.928	0.18%	95.54%
44.0	68.925	5.428	2601.356	0.16%	95.74%
45.0	63.753	5.099	2606.455	0.15%	95.93%
46.0	59.437	4.818	2611.273	0.15%	96.10%
47.0	55.048	4.553	2615.826	0.14%	96.27%
48.0	51.624	4.312	2620.138	0.13%	96.43%
49.0	48.281	4.103	2624.241	0.12%	96.58%
50.0	45.238	3.899	2628.14	0.12%	96.73%
51.0	42.473	3.711	2631.851	0.11%	96.86%
52.0	40.132	3.545	2635.396	0.11%	96.99%
53.0	37.974	3.398	2638.793	0.10%	97.12%
54.0	35.977	3.259	2642.053	0.10%	97.24%
55.0	34.177	3.132	2645.184	0.09%	97.35%
56.0	32.641	3.019	2648.203	0.09%	97.46%
57.0	31.185	2.918	2651.122	0.09%	97.57%
58.0	29.934	2.826	2653.948	0.09%	97.67%
59.0	28.844	2.748	2656.696	0.08%	97.78%
60.0	27.784	2.675	2659.371	0.08%	97.87%
61.0	26.884	2.609	2661.98	0.08%	97.97%
62.0	26.101	2.553	2664.533	0.08%	98.06%
63.0	25.311	2.500	2667.034	0.08%	98.16%
64.0	24.675	2.453	2669.486	0.07%	98.25%
65.0	24.199	2.419	2671.905	0.07%	98.34%
66.0	23.628	2.386	2674.291	0.07%	98.42%
67.0	23.007	2.345	2676.636	0.07%	98.51%
68.0	22.378	2.299	2678.935	0.07%	98.59%
69.0	21.895	2.259	2681.194	0.07%	98.68%
70.0	21.558	2.232	2683.426	0.07%	98.76%
71.0	21.112	2.205	2685.631	0.07%	98.84%
72.0	20.234	2.150	2687.781	0.07%	98.92%
73.0	19.473	2.076	2689.857	0.06%	99.00%
74.0	19.049	2.025	2691.883	0.06%	99.07%
75.0	18.310	1.974	2693.857	0.06%	99.14%

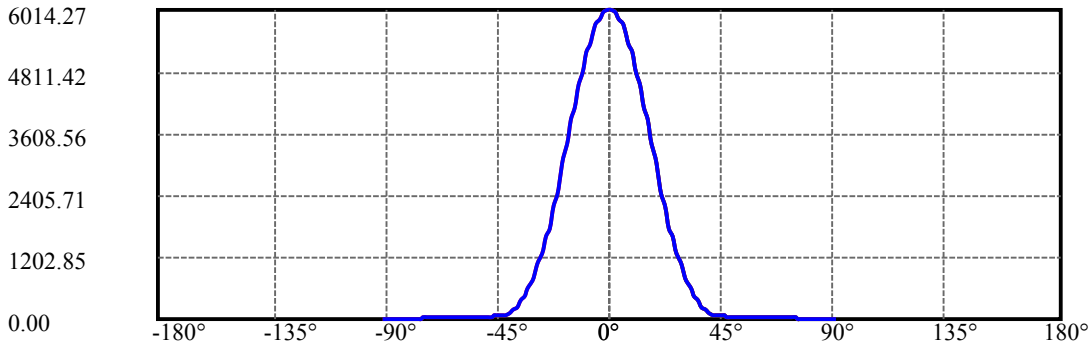
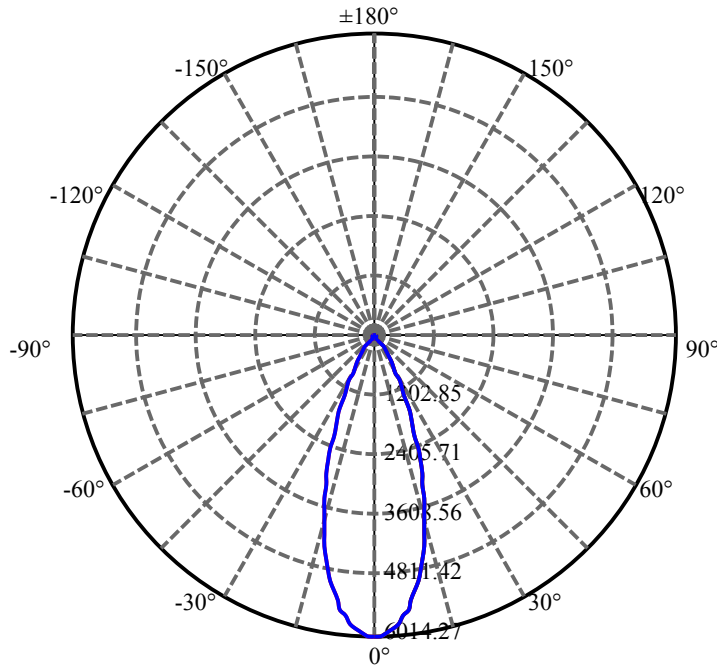
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.681	1.911	2695.767	0.06%	99.21%
77.0	17.132	1.856	2697.623	0.06%	99.28%
78.0	16.481	1.799	2699.423	0.05%	99.35%
79.0	15.889	1.739	2701.162	0.05%	99.41%
80.0	15.274	1.680	2702.842	0.05%	99.47%
81.0	14.755	1.624	2704.466	0.05%	99.53%
82.0	14.250	1.573	2706.039	0.05%	99.59%
83.0	13.716	1.520	2707.559	0.05%	99.65%
84.0	13.321	1.473	2709.032	0.04%	99.70%
85.0	12.897	1.431	2710.463	0.04%	99.75%
86.0	12.516	1.389	2711.852	0.04%	99.81%
87.0	12.180	1.352	2713.204	0.04%	99.86%
88.0	11.968	1.323	2714.526	0.04%	99.90%
89.0	11.822	1.304	2715.83	0.04%	99.95%
90.0	11.741	1.292	2717.122	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2323.91	70.40%	85.53%
0-40	2576.03	78.04%	94.81%
0-60	2659.37	80.56%	97.87%
0-90	2715.83	82.27%	99.95%
0-120	2715.83	82.27%	99.95%
0-180	2717.12	82.31%	100.00%
60-90	56.46	1.71%	2.08%
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%
0-27.28	2173.70	65.85%	80.00%

ZONAL LUMEN SUMMARY

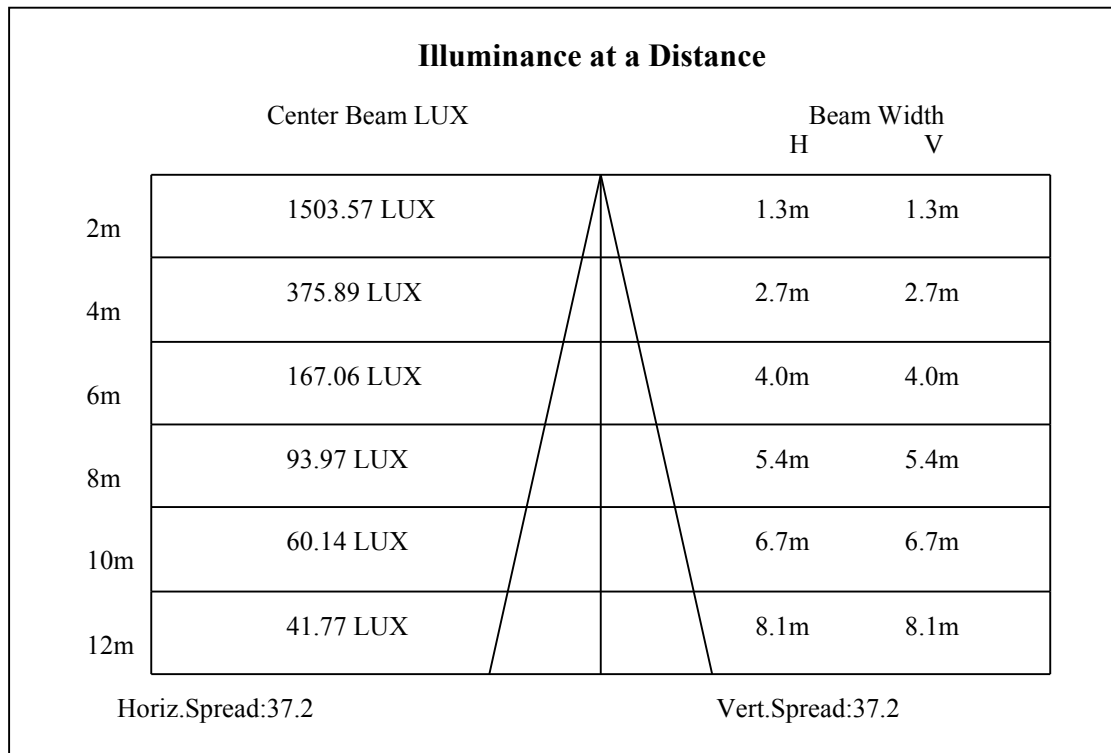
0-10	524.55
10-20	1059.00
20-30	740.36
30-40	252.12
40-50	52.11
50-60	31.23
60-70	24.05
70-80	19.42
80-90	12.99
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

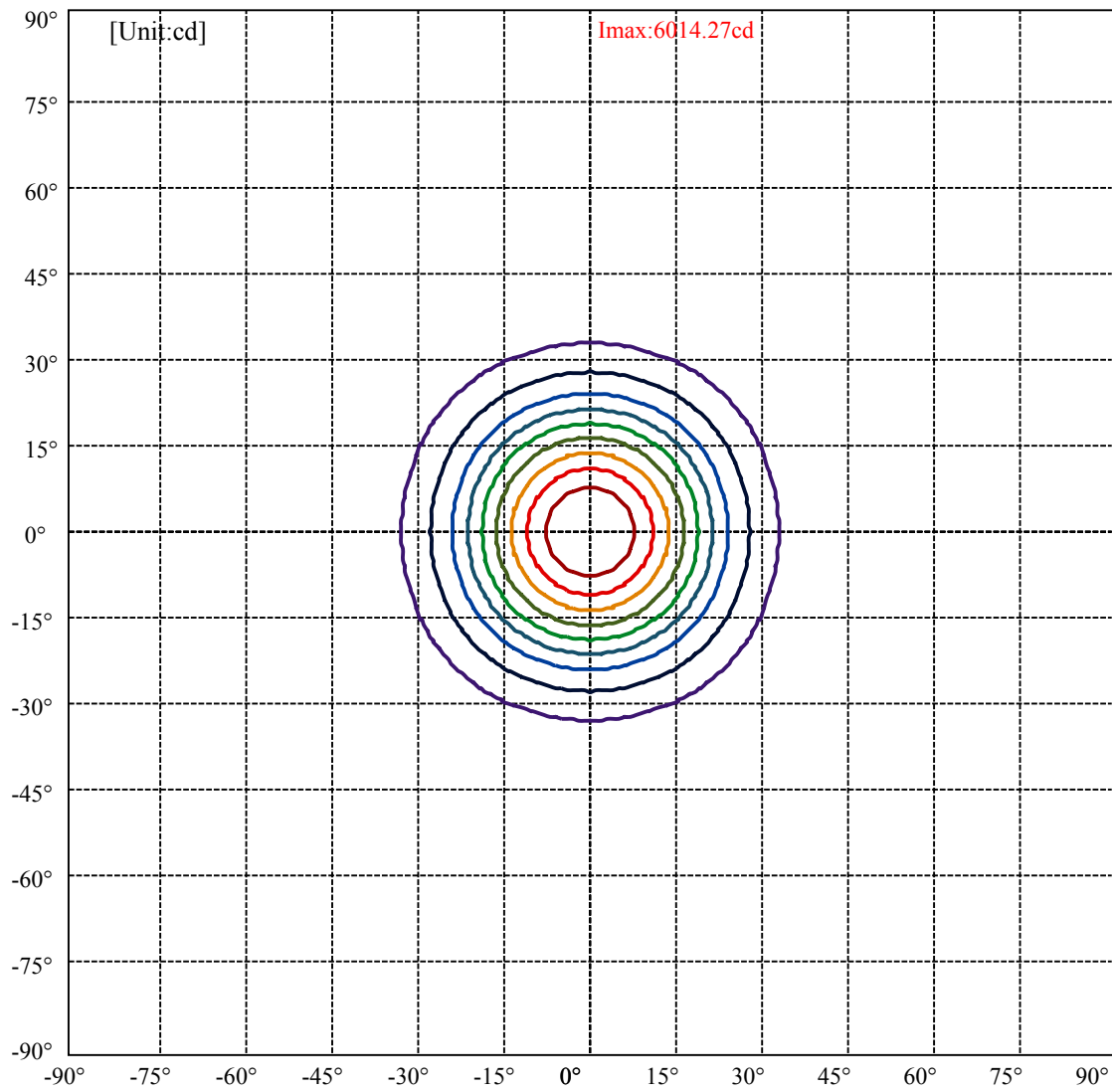


C0(Max): —————
C0/C180: —————
C90/C270: —————

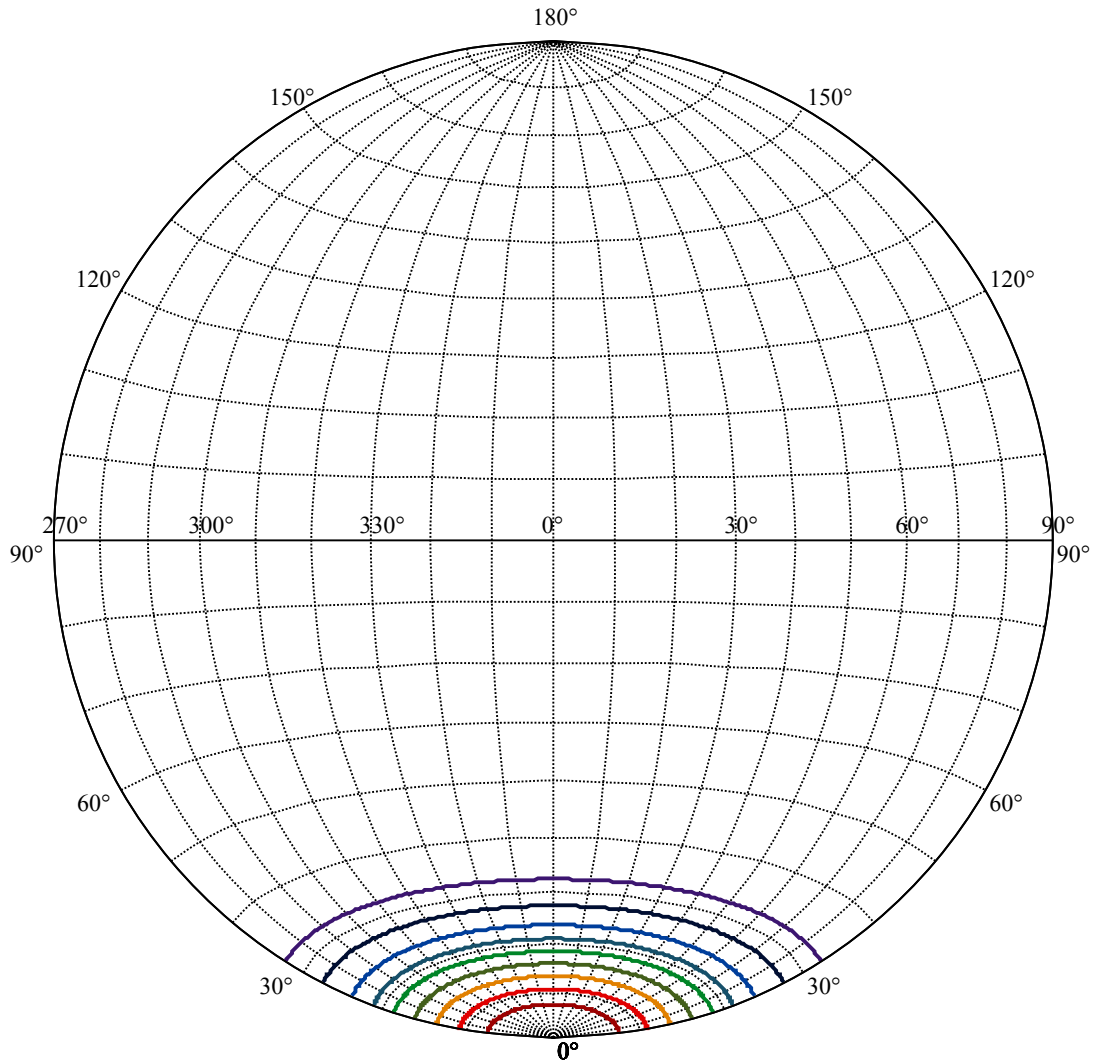
Field angle(10%Imax):C0/180Left:32.5 Right:32.5
:C90/270Left:32.5 Right:32.5

Beam Angle(50%Imax):C0/180Left:18.6 Right:18.6
:C90/270Left:18.6 Right:18.6





(10%I _{max}) 601.427	—
(20%I _{max}) 1202.85	—
(30%I _{max}) 1804.28	—
(40%I _{max}) 2405.71	—
(50%I _{max}) 3007.13	—
(60%I _{max}) 3608.56	—
(70%I _{max}) 4209.99	—
(80%I _{max}) 4811.42	—
(90%I _{max}) 5412.84	—



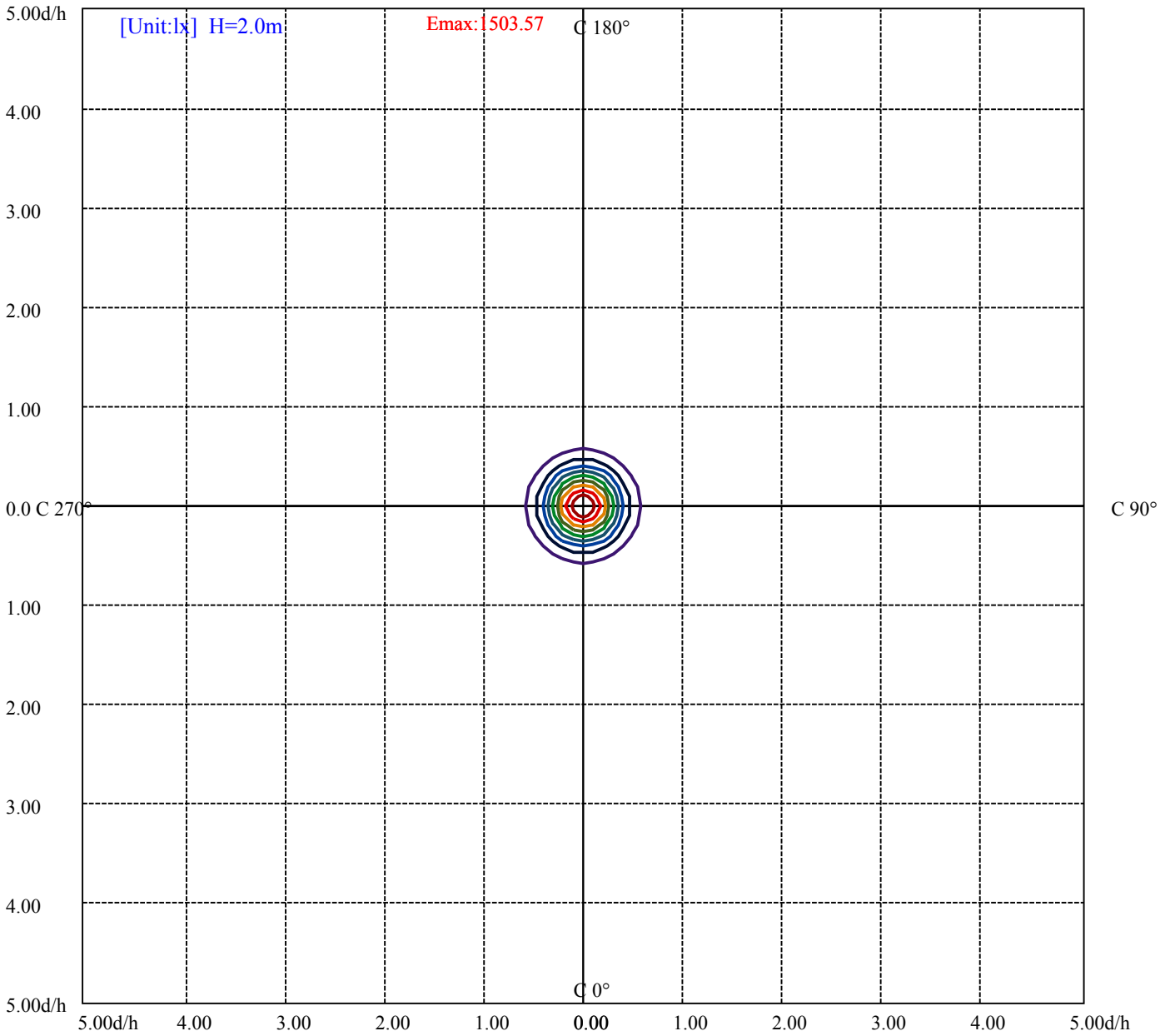
House

[Unit:cd]

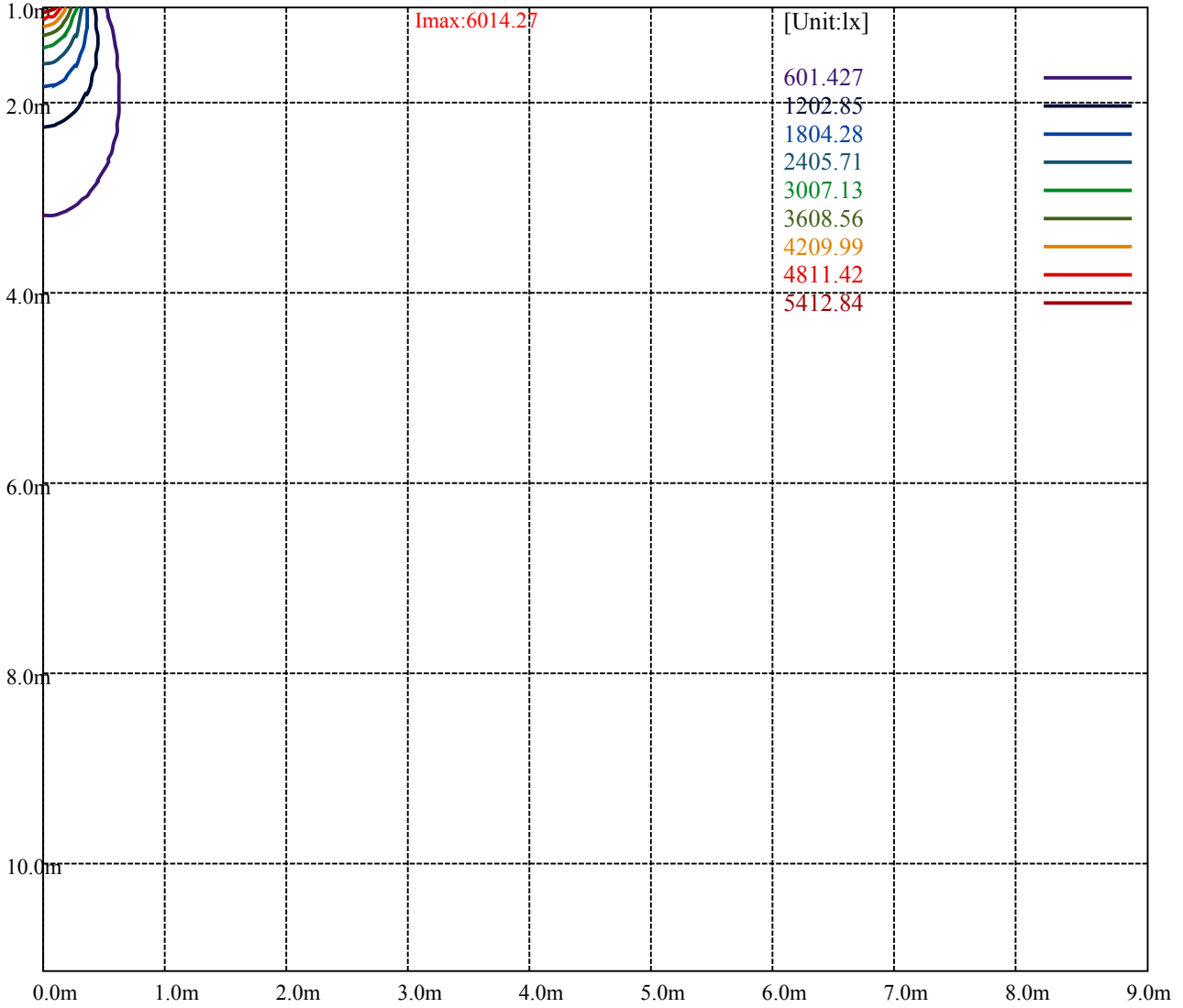
Road

Imax:6014.27

(10%Imax)	601.427	—
(20%Imax)	1202.85	—
(30%Imax)	1804.28	—
(40%Imax)	2405.71	—
(50%Imax)	3007.13	—
(60%Imax)	3608.56	—
(70%Imax)	4209.99	—
(80%Imax)	4811.42	—
(90%Imax)	5412.84	—



(10%Emax) 150.3568	—
(20%Emax) 300.7125	—
(30%Emax) 451.07	—
(40%Emax) 601.4275	—
(50%Emax) 751.7825	—
(60%Emax) 902.14	—
(70%Emax) 1052.498	—
(80%Emax) 1202.853	—
(90%Emax) 1353.21	—



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

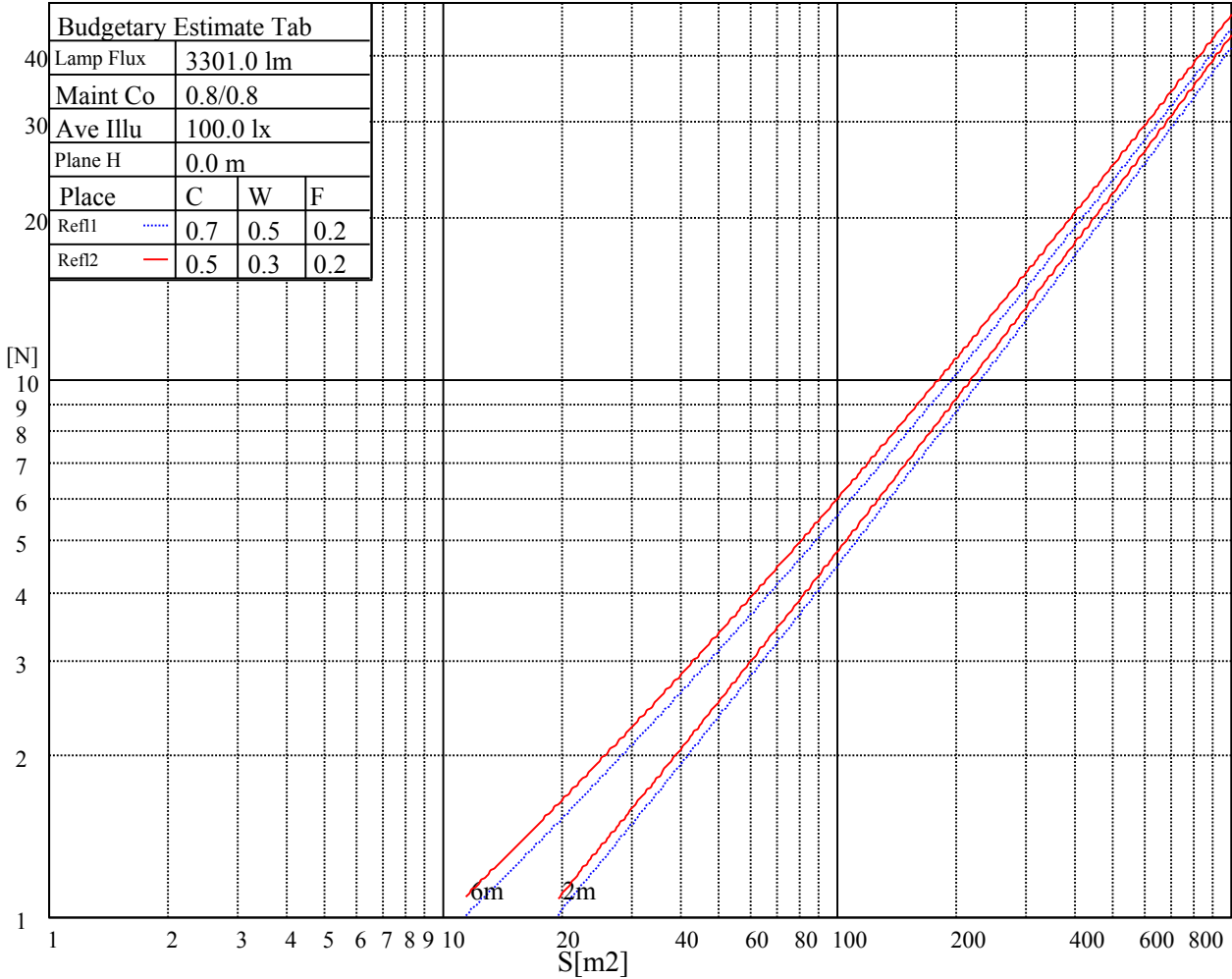
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

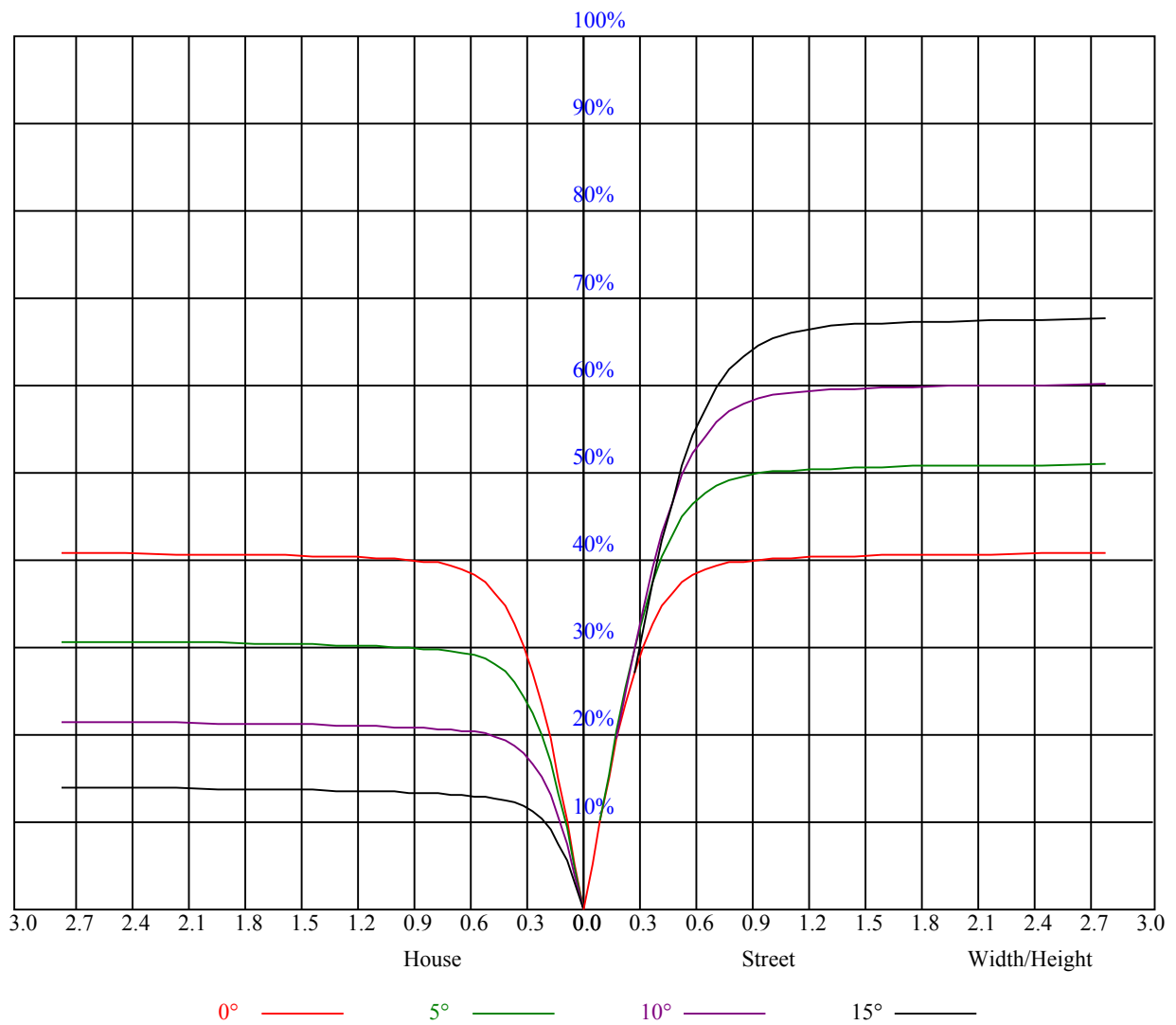


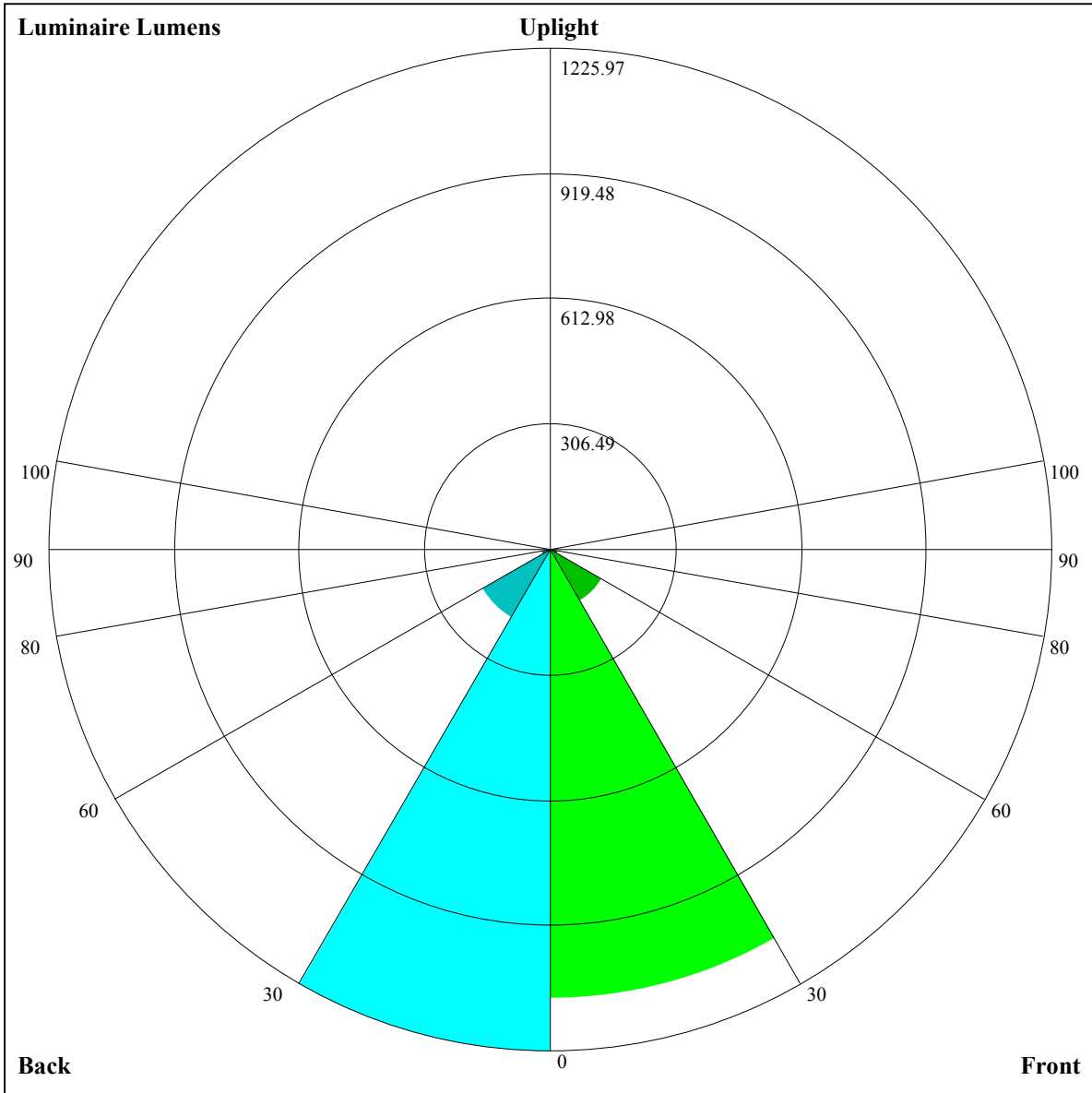
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.92	0.90	0.88	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.69
4	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.68	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50





Luminaire Lumens:

FL=1096.36,FM=146.41,FH=21.65,FVH=7.05

BL=1225.97,BM=192.48,BH=21.75,BVH=7.26

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	5957.65	5892.10	5813.68	5717.71	5570.23	5437.38	5286.40	5074.54	4891.37
45.0	6024.36	6000.96	5954.14	5873.38	5790.27	5684.35	5531.61	5392.32	5234.90
90.0	6031.97	6000.96	5939.51	5866.35	5780.33	5674.99	5518.73	5371.25	5208.56
135.0	6043.09	6046.60	6038.41	5999.20	5941.26	5869.87	5784.42	5645.72	5518.15
180.0	5957.65	6010.90	6028.46	6029.05	6007.39	5955.89	5904.39	5830.66	5710.68
225.0	6024.36	6030.22	6011.49	5975.21	5919.61	5834.17	5744.04	5632.85	5500.00
270.0	6031.97	6038.41	6027.29	5996.27	5936.58	5862.84	5777.98	5670.89	5513.46
315.0	6043.09	6023.78	5967.01	5903.22	5798.47	5695.47	5574.33	5401.69	5237.24
360.0	5957.65	5892.10	5813.68	5717.71	5570.23	5437.38	5286.40	5074.54	4891.37
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4648.50	4443.09	4231.82	4016.46	3741.40	3519.60	3289.61	3056.10	2771.68
45.0	5013.10	4824.07	4625.68	4367.01	4152.82	3933.94	3710.97	3425.38	3194.22
90.0	5027.73	4784.86	4572.42	4364.08	4097.22	3877.76	3650.69	3362.76	3134.52
135.0	5372.42	5162.91	4981.49	4784.86	4519.75	4306.73	4090.20	3804.61	3575.20
180.0	5601.25	5437.38	5284.06	5107.90	4922.39	4671.32	4467.67	4249.38	3971.40
225.0	5310.98	5141.26	4914.78	4723.41	4518.58	4258.16	4047.47	3826.84	3600.95
270.0	5365.99	5205.05	5027.73	4787.20	4581.20	4374.03	4115.95	3893.56	3665.91
315.0	5061.08	4821.73	4626.85	4420.26	4209.58	3939.21	3717.99	3492.10	3264.44
360.0	4648.50	4443.09	4231.82	4016.46	3741.40	3519.60	3289.61	3056.10	2771.68
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2545.20	2318.72	2102.19	1859.32	1696.63	1509.35	1139.43	1139.43	1034.68
45.0	2967.73	2743.01	2461.51	2242.64	1982.22	1800.80	1643.37	1457.27	1300.43
90.0	2909.21	2622.45	2399.48	2182.36	1923.11	1746.37	1593.04	1326.76	1144.11
135.0	3345.20	3113.46	2826.70	2596.12	2373.73	2158.95	1904.97	1734.67	1581.34
180.0	3751.94	3530.72	3306.58	3060.79	2829.04	2558.66	2267.22	2074.68	1878.05
225.0	3314.77	3083.02	2848.35	2621.28	2342.71	2129.69	1936.57	1732.32	1586.60
270.0	3389.68	3166.13	2872.34	2628.89	2406.50	2199.92	1928.37	1775.05	1611.77
315.0	2976.51	2741.25	2510.09	2229.18	2020.84	1796.70	1642.79	1498.82	1136.10
360.0	2545.20	2318.72	2102.19	1859.32	1696.63	1509.35	1139.43	1139.43	1034.68
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	909.56	795.44	693.73	579.26	493.29	411.53	338.79	253.23	190.49
45.0	1156.46	1017.76	862.09	754.41	654.34	563.04	453.02	376.94	304.96
90.0	1107.66	976.62	855.07	747.86	620.05	528.58	422.59	346.98	275.29
135.0	1381.77	1230.79	1052.29	927.05	809.42	704.67	587.04	501.01	417.91
180.0	1689.02	1538.03	1382.36	1205.04	1060.49	926.47	815.28	683.60	590.55
225.0	1327.35	1150.44	1114.27	983.47	832.83	731.82	632.86	539.11	433.77
270.0	1478.34	1286.97	1152.37	1020.69	865.02	749.15	660.78	544.90	448.93
315.0	1136.10	1033.51	911.25	793.74	663.82	572.94	487.90	403.63	312.98
360.0	909.56	795.44	693.73	579.26	493.29	411.53	338.79	253.23	190.49
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	142.21	103.94	92.64	84.97	76.55	71.22	66.42	61.04	57.18
45.0	304.96	163.80	120.03	96.04	87.96	80.53	73.27	68.24	63.79
90.0	198.39	150.64	112.54	93.23	85.38	78.19	72.39	66.07	61.57
135.0	344.17	306.72	306.72	138.00	107.27	92.06	84.27	77.31	70.40
180.0	505.11	417.91	328.37	310.23	310.23	142.74	106.22	95.16	84.16
225.0	358.51	284.36	222.33	156.31	116.28	99.20	88.78	81.11	75.08
270.0	355.88	304.96	304.96	162.40	118.92	96.45	88.43	80.82	74.62
315.0	248.37	187.80	130.39	103.64	90.59	82.87	76.20	69.47	64.61
360.0	142.21	103.94	92.64	84.97	76.55	71.22	66.42	61.04	57.18

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	53.61	49.57	46.76	44.13	41.73	39.09	37.22	35.52	34.00
45.0	58.87	55.25	51.79	48.69	45.24	42.72	40.50	38.51	36.34
90.0	57.59	54.02	49.92	46.99	44.36	41.32	39.15	36.75	35.05
135.0	65.49	61.04	56.12	52.61	48.57	45.71	43.07	40.73	38.10
180.0	77.25	71.46	65.19	60.75	56.88	52.49	49.33	46.41	43.66
225.0	68.71	64.08	59.05	55.36	52.03	48.92	45.35	42.72	40.38
270.0	68.24	63.73	59.63	55.83	51.62	48.52	45.06	42.49	40.26
315.0	60.28	56.36	51.91	48.63	45.82	43.13	40.09	37.92	35.99
360.0	53.61	49.57	46.76	44.13	41.73	39.09	37.22	35.52	34.00
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.30	31.08	29.96	28.79	27.97	27.04	26.28	25.63	25.05
45.0	34.70	33.24	31.72	30.55	29.26	28.38	27.62	26.80	25.98
90.0	33.53	32.13	30.61	29.44	28.50	27.62	26.63	25.93	25.28
135.0	36.23	34.53	33.01	31.31	30.02	28.97	27.62	26.63	25.93
180.0	41.20	38.39	36.40	34.70	32.77	31.37	29.85	28.79	27.80
225.0	38.27	35.93	34.24	32.83	31.43	29.90	28.85	27.68	26.86
270.0	37.69	35.82	34.18	32.36	31.08	29.96	28.97	27.97	26.98
315.0	33.88	32.30	31.02	29.50	28.44	27.51	26.45	25.63	24.93
360.0	32.30	31.08	29.96	28.79	27.97	27.04	26.28	25.63	25.05
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	24.29	23.64	23.06	22.41	21.65	21.07	20.54	19.84	19.31
45.0	25.46	25.57	26.28	26.51	26.04	25.63	25.75	27.39	27.97
90.0	24.52	23.94	23.41	22.71	22.18	21.65	21.07	20.60	20.25
135.0	24.99	24.35	23.76	23.00	22.47	21.95	21.36	20.66	20.07
180.0	26.74	25.93	25.22	24.52	23.70	23.12	22.53	21.95	21.19
225.0	26.04	25.11	24.46	23.76	23.12	22.30	21.71	21.13	20.48
270.0	26.16	25.40	24.52	23.88	23.23	22.41	21.83	21.13	20.48
315.0	24.29	23.47	22.88	22.24	21.65	20.89	20.37	19.78	19.14
360.0	24.29	23.64	23.06	22.41	21.65	21.07	20.54	19.84	19.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.84	18.26	17.79	17.32	16.68	16.21	15.68	15.10	14.34
45.0	24.87	22.71	23.12	21.01	19.66	19.31	17.91	16.50	15.51
90.0	19.72	19.25	18.84	18.32	17.73	17.03	16.50	15.98	15.22
135.0	19.49	18.96	18.32	17.79	17.32	16.74	16.21	15.74	15.27
180.0	20.60	20.01	19.37	18.79	18.32	17.67	17.15	16.68	16.09
225.0	19.84	19.25	18.73	18.08	17.56	17.03	16.39	15.98	15.51
270.0	19.96	19.37	18.73	18.20	17.67	17.15	16.56	16.09	15.63
315.0	18.55	17.97	17.50	16.97	16.50	15.92	15.45	15.04	14.63
360.0	18.84	18.26	17.79	17.32	16.68	16.21	15.68	15.10	14.34
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.93	13.52	12.99	12.70	12.17	11.88	11.65	11.65	11.70
45.0	14.69	14.05	13.46	12.99	12.64	12.11	11.88	11.65	11.59
90.0	14.69	14.05	13.40	12.93	12.41	12.11	11.88	11.70	11.59
135.0	14.81	14.34	13.81	13.52	13.05	12.64	12.35	12.17	11.94
180.0	15.68	15.16	14.63	14.22	13.64	13.28	12.82	12.47	12.17
225.0	14.98	14.57	13.99	13.46	13.11	12.70	12.35	12.06	11.88
270.0	15.10	14.69	14.10	13.69	13.28	12.99	12.47	12.17	11.94
315.0	14.16	13.64	13.34	13.05	12.87	12.41	12.06	11.88	11.76
360.0	13.93	13.52	12.99	12.70	12.17	11.88	11.65	11.65	11.70

Intensity data(cd)

C/γ(°)	90.0
0.0	11.70
45.0	11.65
90.0	11.65
135.0	11.76
180.0	11.94
225.0	11.70
270.0	11.76
315.0	11.76
360.0	11.70