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NT

Client:

LumCAT: 3-2833-L

Luminaire: 92.70.412.00

Report No: 2024227-B027

Ballast type: AC

Test No: 2024227-C027

Voltage(V): 36.030

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3316.0

Power (W): 25.257

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2830.73, Efficiency(%): 85.37% , Luminous Efficacy(lm/W): 112.08

Central intensity(cd): 9695.847, Maximum intensity(cd): 9695.847

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.2

[C90/270]Total=24.2

Field angle(10%Imax): [C0/180]Total=59.4

[C90/270]Total=59.4

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.45 C90_270=0.45

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.37%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.919%

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	9695.847	0.000	0	0.00%	0.00%
1.0	9655.832	9.259	9.259	0.28%	0.33%
2.0	9553.271	27.571	36.83	0.83%	1.30%
3.0	9342.444	45.192	82.022	1.36%	2.90%
4.0	9026.496	61.487	143.509	1.85%	5.07%
5.0	8616.473	75.899	219.408	2.29%	7.75%
6.0	8127.663	87.995	307.403	2.65%	10.86%
7.0	7591.378	97.568	404.971	2.94%	14.31%
8.0	7019.101	104.564	509.535	3.15%	18.00%
9.0	6461.967	109.257	618.792	3.29%	21.86%
10.0	5896.712	111.842	730.634	3.37%	25.81%
11.0	5398.613	112.864	843.497	3.40%	29.80%
12.0	4915.144	112.744	956.241	3.40%	33.78%
13.0	4456.766	111.221	1067.462	3.35%	37.71%
14.0	4038.038	108.733	1176.195	3.28%	41.55%
15.0	3666.274	105.768	1281.963	3.19%	45.29%
16.0	3330.940	102.529	1384.492	3.09%	48.91%
17.0	3023.111	98.950	1483.442	2.98%	52.40%
18.0	2761.882	95.382	1578.824	2.88%	55.77%
19.0	2536.497	92.181	1671.005	2.78%	59.03%
20.0	2315.794	88.810	1759.815	2.68%	62.17%
21.0	2108.697	84.959	1844.774	2.56%	65.17%
22.0	1937.080	81.302	1926.076	2.45%	68.04%
23.0	1770.291	77.791	2003.867	2.35%	70.79%
24.0	1588.001	73.424	2077.291	2.21%	73.38%
25.0	1442.141	68.899	2146.19	2.08%	75.82%
26.0	1312.696	65.028	2211.218	1.96%	78.11%
27.0	1211.547	61.756	2272.974	1.86%	80.30%
28.0	1132.410	59.344	2332.318	1.79%	82.39%
29.0	1041.569	56.877	2389.196	1.72%	84.40%
30.0	937.633	53.438	2442.634	1.61%	86.29%
31.0	812.365	48.700	2491.333	1.47%	88.01%
32.0	699.029	43.300	2534.633	1.31%	89.54%
33.0	575.737	37.555	2572.188	1.13%	90.87%
34.0	445.473	30.905	2603.093	0.93%	91.96%
35.0	337.792	24.325	2627.418	0.73%	92.82%
36.0	263.805	19.155	2646.573	0.58%	93.49%
37.0	197.587	15.048	2661.621	0.45%	94.03%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	142.831	11.363	2672.984	0.34%	94.43%
39.0	110.395	8.643	2681.627	0.26%	94.73%
40.0	92.970	7.093	2688.72	0.21%	94.98%
41.0	84.550	6.321	2695.041	0.19%	95.21%
42.0	77.733	5.896	2700.938	0.18%	95.41%
43.0	71.588	5.531	2706.469	0.17%	95.61%
44.0	66.065	5.195	2711.664	0.16%	95.79%
45.0	61.229	4.892	2716.556	0.15%	95.97%
46.0	57.045	4.625	2721.182	0.14%	96.13%
47.0	53.438	4.394	2725.576	0.13%	96.29%
48.0	49.912	4.178	2729.754	0.13%	96.43%
49.0	47.242	3.990	2733.744	0.12%	96.57%
50.0	44.733	3.835	2737.578	0.12%	96.71%
51.0	42.729	3.700	2741.279	0.11%	96.84%
52.0	41.127	3.598	2744.877	0.11%	96.97%
53.0	39.803	3.520	2748.397	0.11%	97.09%
54.0	38.727	3.461	2751.859	0.10%	97.21%
55.0	37.879	3.420	2755.278	0.10%	97.33%
56.0	37.133	3.390	2758.668	0.10%	97.45%
57.0	36.357	3.360	2762.028	0.10%	97.57%
58.0	35.552	3.325	2765.353	0.10%	97.69%
59.0	34.404	3.271	2768.624	0.10%	97.81%
60.0	33.065	3.187	2771.811	0.10%	97.92%
61.0	31.668	3.089	2774.9	0.09%	98.03%
62.0	30.139	2.978	2777.879	0.09%	98.13%
63.0	28.618	2.858	2780.736	0.09%	98.23%
64.0	27.001	2.729	2783.465	0.08%	98.33%
65.0	25.669	2.607	2786.072	0.08%	98.42%
66.0	24.265	2.491	2788.563	0.08%	98.51%
67.0	22.926	2.373	2790.936	0.07%	98.59%
68.0	21.858	2.269	2793.205	0.07%	98.67%
69.0	20.922	2.182	2795.387	0.07%	98.75%
70.0	20.095	2.107	2797.494	0.06%	98.83%
71.0	19.400	2.041	2799.535	0.06%	98.90%
72.0	18.808	1.987	2801.522	0.06%	98.97%
73.0	18.296	1.940	2803.462	0.06%	99.04%
74.0	17.791	1.897	2805.359	0.06%	99.10%
75.0	17.367	1.858	2807.217	0.06%	99.17%

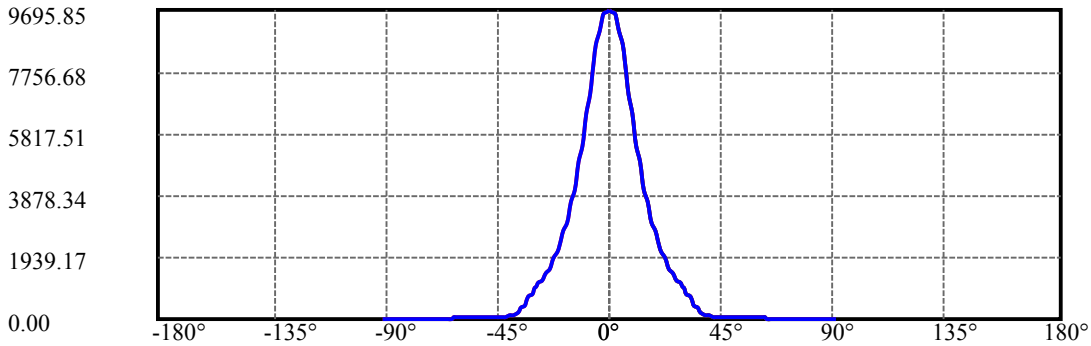
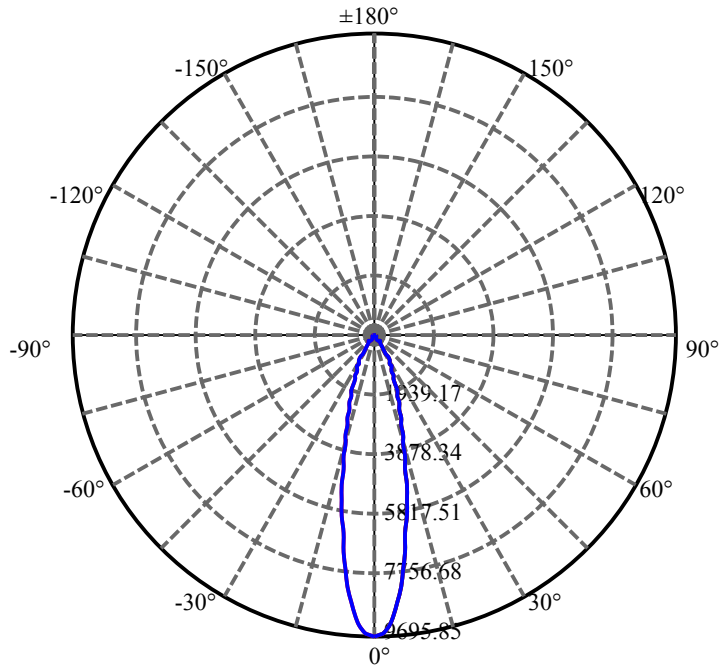
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.906	1.819	2809.036	0.05%	99.23%
77.0	16.489	1.780	2810.817	0.05%	99.30%
78.0	16.079	1.743	2812.56	0.05%	99.36%
79.0	15.655	1.705	2814.265	0.05%	99.42%
80.0	15.274	1.667	2815.933	0.05%	99.48%
81.0	14.879	1.631	2817.563	0.05%	99.53%
82.0	14.484	1.592	2819.156	0.05%	99.59%
83.0	14.119	1.555	2820.711	0.05%	99.65%
84.0	13.789	1.520	2822.231	0.05%	99.70%
85.0	13.467	1.488	2823.718	0.04%	99.75%
86.0	13.175	1.456	2825.175	0.04%	99.80%
87.0	12.926	1.428	2826.603	0.04%	99.85%
88.0	12.597	1.398	2828.001	0.04%	99.90%
89.0	12.421	1.371	2829.373	0.04%	99.95%
90.0	12.341	1.358	2830.73	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2442.63	73.66%	86.29%
0-40	2688.72	81.08%	94.98%
0-60	2771.81	83.59%	97.92%
0-90	2829.37	85.32%	99.95%
0-120	2829.37	85.32%	99.95%
0-180	2830.73	85.37%	100.00%
60-90	57.56	1.74%	2.03%
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%
0-26.86	2264.58	68.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	730.63
10-20	1029.18
20-30	682.82
30-40	246.09
40-50	48.86
50-60	34.23
60-70	25.68
70-80	18.44
80-90	13.44
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



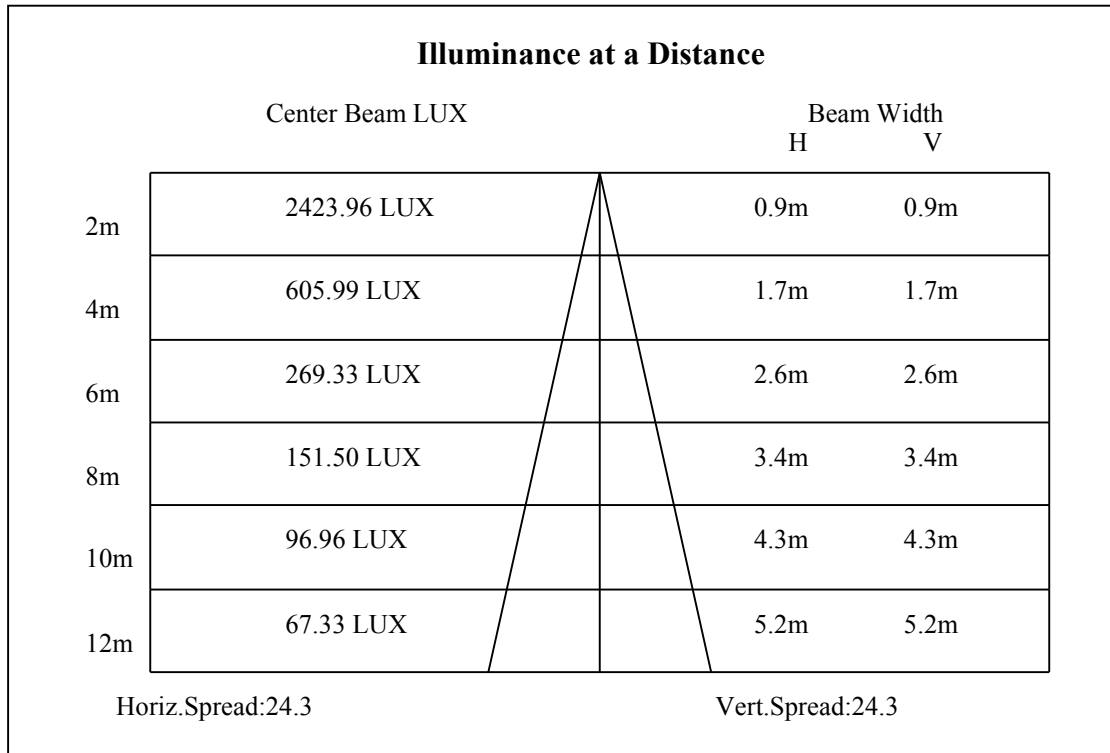
C0(Max): —————

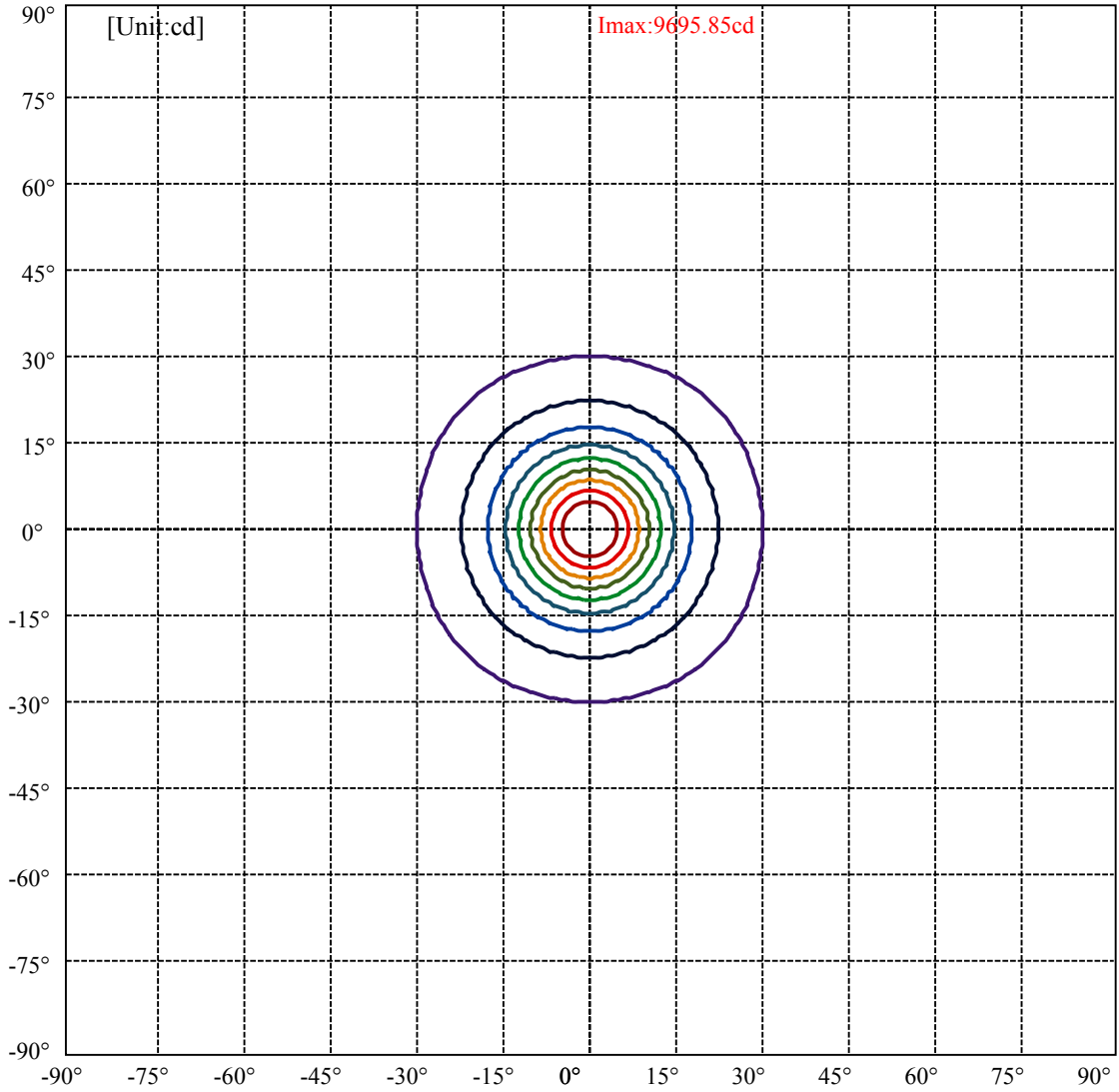
C0/C180: —————

C90/C270: —————

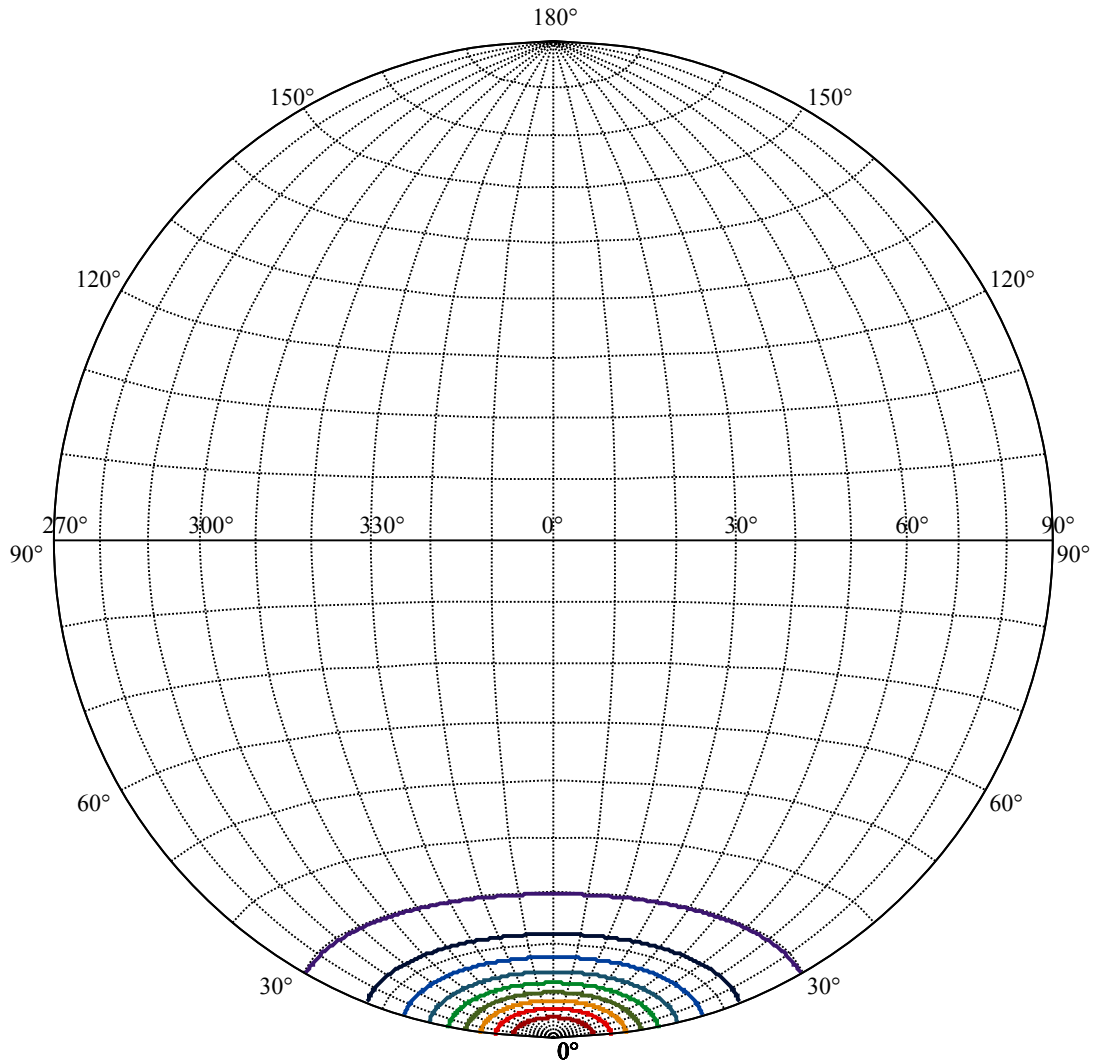
Field angle(10%Imax):C0/180Left:29.7 Right:29.7
:C90/270Left:29.7 Right:29.7

Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1
:C90/270Left:12.1 Right:12.1





(10%Imax) 969.585	—
(20%Imax) 1939.17	—
(30%Imax) 2908.75	—
(40%Imax) 3878.34	—
(50%Imax) 4847.92	—
(60%Imax) 5817.51	—
(70%Imax) 6787.09	—
(80%Imax) 7756.68	—
(90%Imax) 8726.26	—



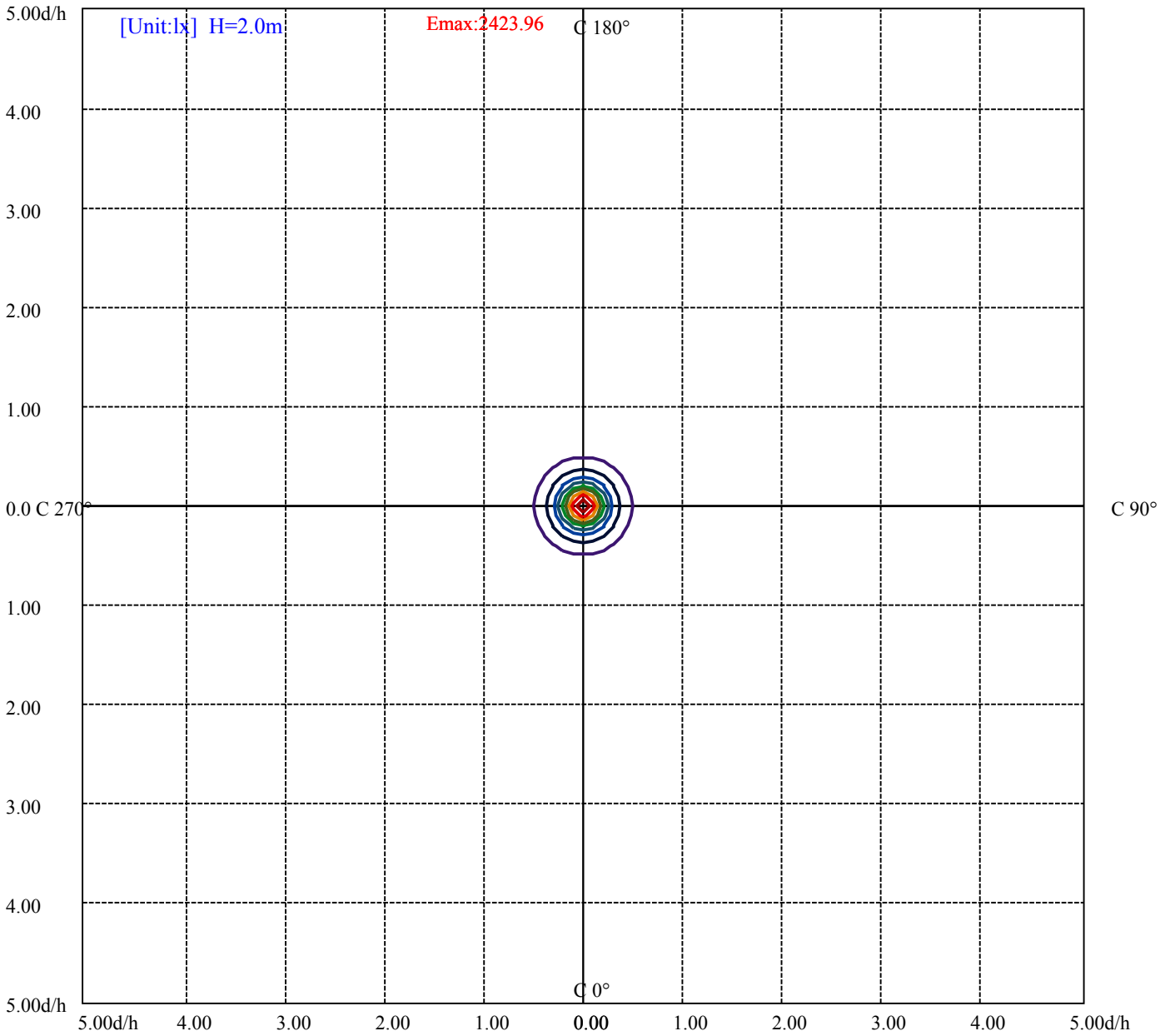
House

[Unit:cd]

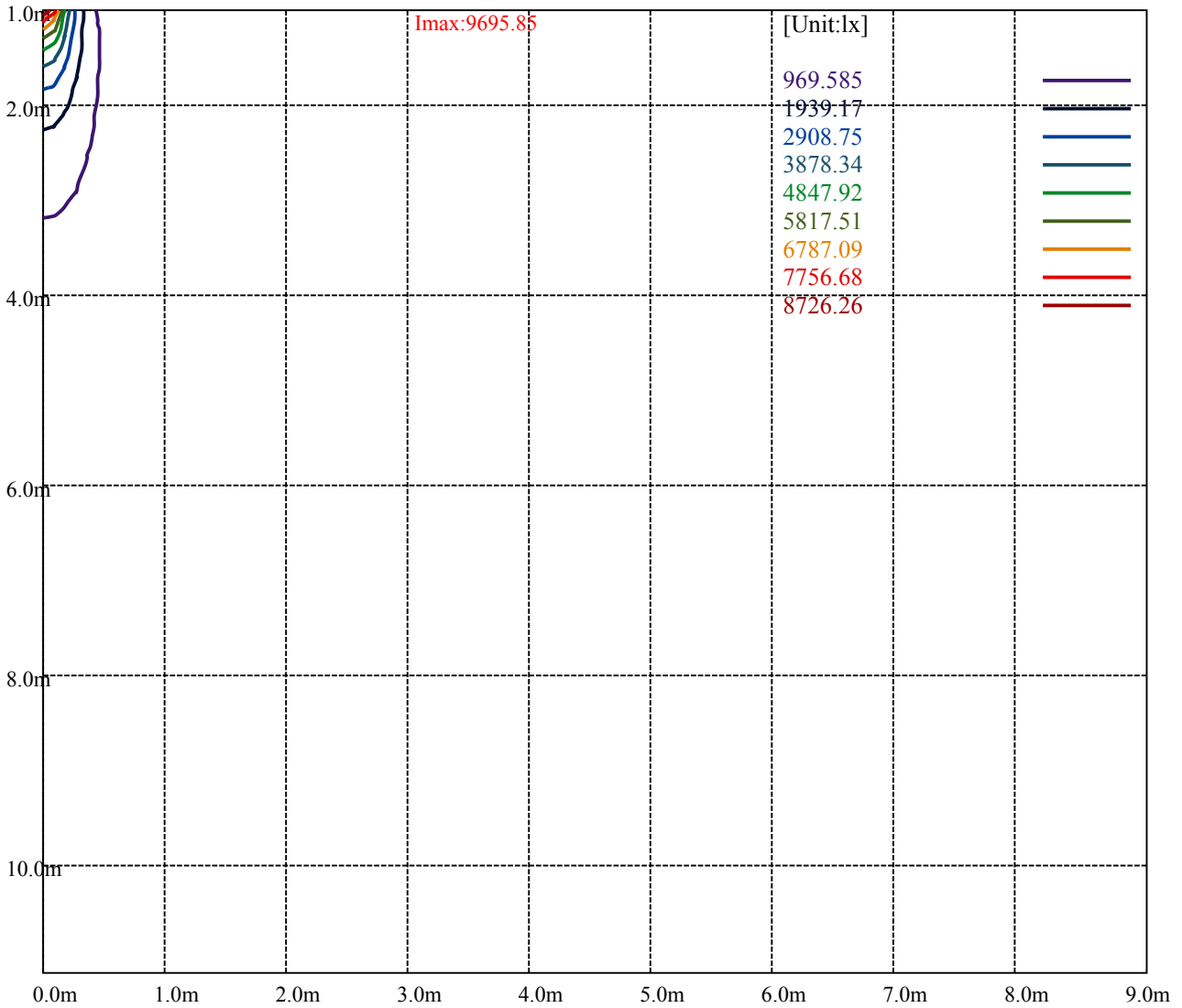
Road

Imax:9695.85

(10%Imax) 969.585	—
(20%Imax) 1939.17	—
(30%Imax) 2908.75	—
(40%Imax) 3878.34	—
(50%Imax) 4847.92	—
(60%Imax) 5817.51	—
(70%Imax) 6787.09	—
(80%Imax) 7756.68	—
(90%Imax) 8726.26	—



(10%Emax) 242.396	—
(20%Emax) 484.7925	—
(30%Emax) 727.1875	—
(40%Emax) 969.585	—
(50%Emax) 1211.98	—
(60%Emax) 1454.375	—
(70%Emax) 1696.772	—
(80%Emax) 1939.167	—
(90%Emax) 2181.565	—



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

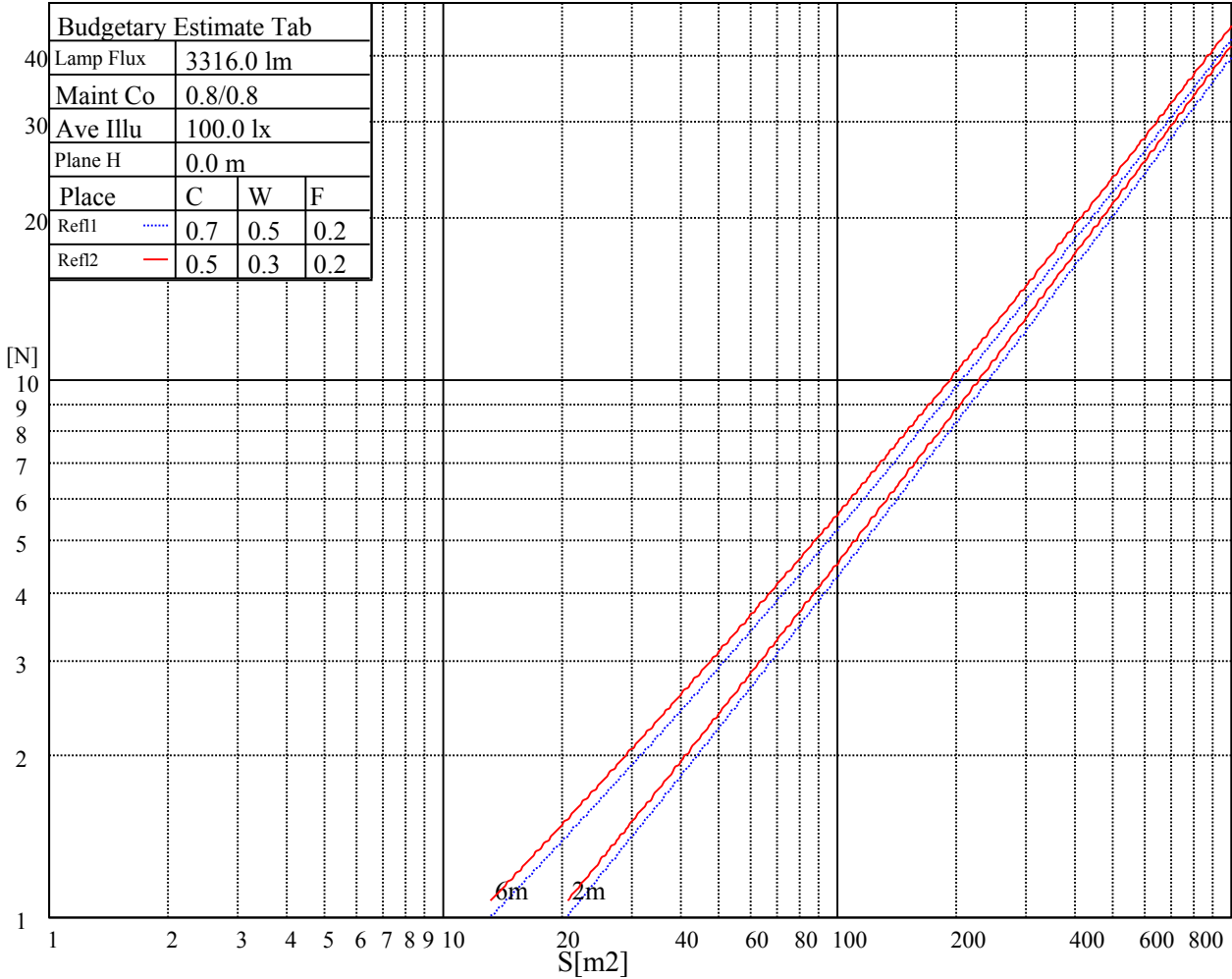
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

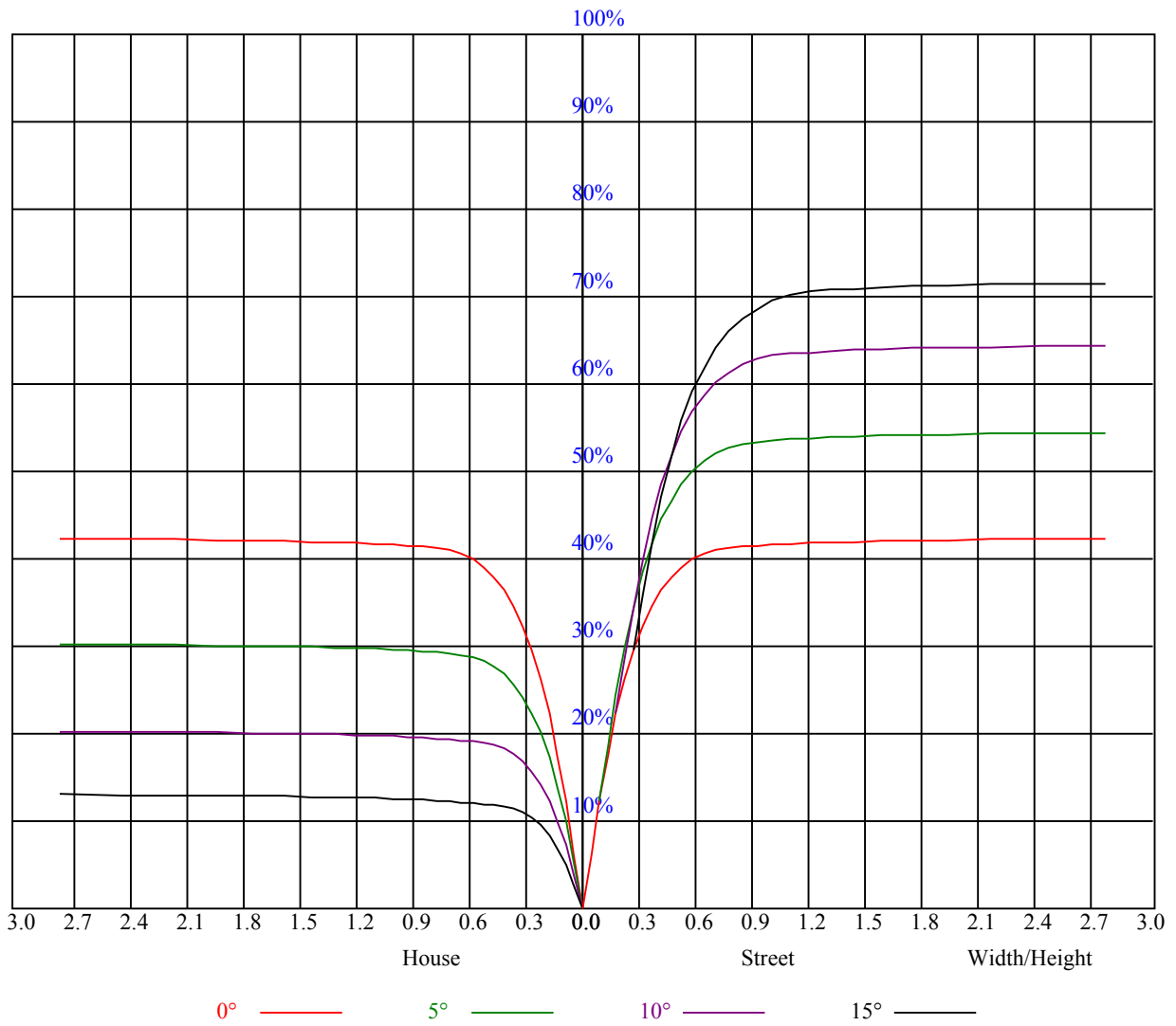


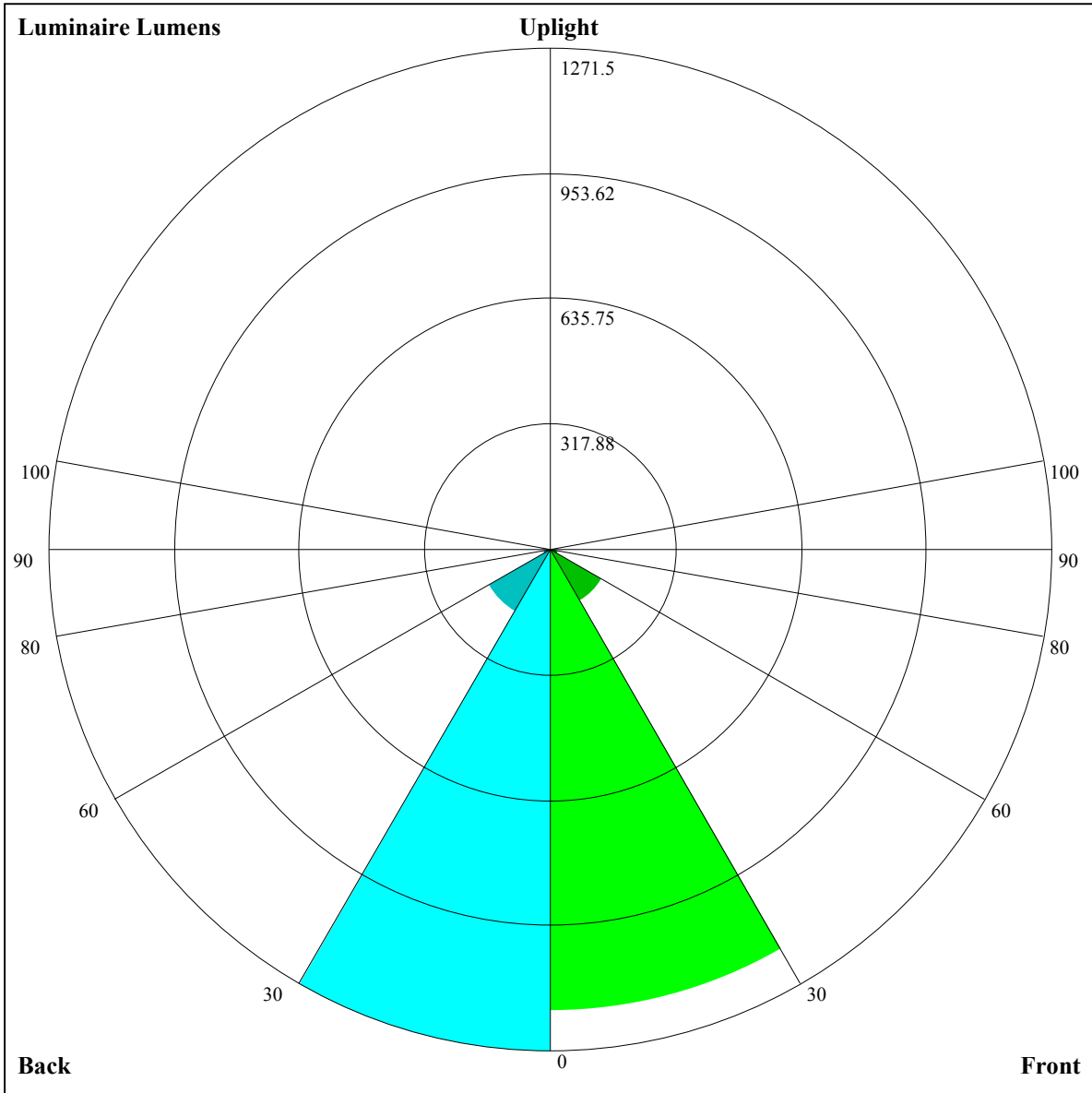
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	非数字
12H	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	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	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	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	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	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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1169.06,FM=152.47,FH=21.78,FVH=7.35

BL=1271.5,BM=179.91,BH=22.39,BVH=7.46

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	9625.25	9434.47	9161.76	8779.02	8176.82	7658.90	7126.93	6460.94	5945.36
45.0	9727.67	9666.81	9553.27	9282.90	8927.67	8486.41	7868.99	7351.07	6828.46
90.0	9696.07	9574.92	9390.58	8995.55	8575.95	8094.89	7458.17	6929.12	6400.66
135.0	9742.88	9714.21	9645.74	9456.71	9165.27	8769.07	8303.82	7789.99	7145.66
180.0	9625.25	9707.19	9736.45	9694.90	9570.24	9384.14	9080.99	8677.19	8060.95
225.0	9727.67	9710.70	9642.81	9501.77	9268.27	8812.96	8356.49	7836.81	7298.98
270.0	9679.09	9737.62	9709.53	9630.52	9430.96	9155.32	8752.68	8284.50	7626.71
315.0	9742.88	9700.75	9586.04	9398.19	9096.80	8570.09	8073.24	7401.40	6846.02
360.0	9625.25	9434.47	9161.76	8779.02	8176.82	7658.90	7126.93	6460.94	5945.36
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5455.53	4886.69	4461.81	4079.08	3643.67	3339.35	3057.27	2807.97	2534.08
45.0	6181.20	5696.05	5230.80	4793.64	4273.37	3897.66	3559.40	3254.49	2922.09
90.0	5897.37	5298.10	4839.87	4410.31	4029.92	3599.19	3285.51	3010.46	2706.72
135.0	6622.46	5986.91	5502.34	5037.09	4492.83	4098.97	3737.31	3335.26	3050.25
180.0	7532.49	7003.45	6341.56	5827.14	5337.90	4778.42	4359.98	3883.03	3552.96
225.0	6617.20	6092.25	5601.83	5027.14	4596.42	4203.14	3759.54	3438.26	3083.02
270.0	7084.21	6551.07	6025.54	5405.78	4946.97	4520.34	4035.77	3684.64	3368.61
315.0	6305.27	5659.18	5185.15	4740.97	4333.06	3867.23	3535.40	3233.43	2967.15
360.0	5455.53	4886.69	4461.81	4079.08	3643.67	3339.35	3057.27	2807.97	2534.08
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2337.45	2157.78	1985.14	1785.58	1635.76	1457.27	1166.47	1166.47	1130.48
45.0	2685.07	2473.80	2235.03	2057.12	1856.98	1704.23	1557.93	1418.64	1274.68
90.0	2490.78	2253.17	2075.27	1913.16	1759.24	1573.14	1437.37	1158.86	1158.86
135.0	2802.70	2577.97	2322.82	2143.15	1974.61	1818.35	1633.42	1491.21	1362.46
180.0	3258.01	2992.90	2746.52	2467.37	2277.75	2102.19	1935.98	1745.78	1598.31
225.0	2827.87	2599.63	2396.55	2161.88	1990.41	1828.89	1674.39	1532.76	1368.31
270.0	3022.16	2779.88	2496.04	2291.80	2111.55	1943.01	1741.69	1599.48	1459.61
315.0	2671.03	2456.83	2268.98	2049.52	1890.34	1735.25	1556.76	1423.91	1148.86
360.0	2337.45	2157.78	1985.14	1785.58	1635.76	1457.27	1166.47	1166.47	1130.48
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1052.59	950.29	838.45	726.21	584.46	469.06	360.21	240.94	164.68
45.0	1185.72	1113.16	1024.79	895.45	783.09	669.56	525.59	411.47	306.13
90.0	1123.51	1047.20	945.49	810.65	695.83	577.21	458.29	320.24	223.61
135.0	1233.71	1155.88	1061.66	961.58	853.32	742.71	596.99	477.60	362.90
180.0	1461.95	1313.30	1217.91	1143.00	1030.05	925.30	809.42	664.87	549.58
225.0	1151.08	1151.08	1074.41	975.92	835.76	723.10	608.81	464.79	356.99
270.0	1334.96	1214.40	1140.66	1064.00	935.25	820.54	701.74	554.85	438.98
315.0	1148.86	1113.98	1029.18	924.25	781.16	664.76	544.84	429.03	299.46
360.0	1052.59	950.29	838.45	726.21	584.46	469.06	360.21	240.94	164.68
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	121.20	105.34	96.39	87.55	80.76	74.67	69.29	63.38	59.11
45.0	306.13	125.30	105.05	92.93	86.44	79.82	72.74	67.83	63.09
90.0	133.67	106.10	96.27	87.08	80.64	74.67	69.52	63.61	59.46
135.0	307.89	307.89	111.49	100.01	91.47	82.98	76.49	69.82	65.02
180.0	433.13	300.86	300.86	193.59	111.54	98.43	90.59	83.63	75.61
225.0	259.78	178.73	118.22	104.93	95.33	88.02	79.36	73.27	67.83
270.0	335.98	309.64	202.78	115.58	104.35	93.34	85.91	79.01	72.80
315.0	212.67	146.83	111.60	101.48	93.23	84.45	77.95	72.16	65.60
360.0	121.20	105.34	96.39	87.55	80.76	74.67	69.29	63.38	59.11

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	55.42	52.03	48.75	46.29	44.30	42.72	40.97	39.85	38.86
45.0	59.05	54.60	51.56	48.63	46.29	43.66	42.14	40.44	39.44
90.0	55.71	52.44	48.81	46.41	44.13	42.14	40.67	39.39	38.62
135.0	60.63	55.95	52.73	49.57	46.41	44.07	42.37	40.91	39.50
180.0	69.93	64.78	60.34	55.36	52.03	48.22	45.82	43.54	41.38
225.0	61.80	57.70	54.02	49.98	47.34	45.06	42.55	40.97	39.56
270.0	66.07	61.45	57.35	52.96	49.86	46.76	44.36	42.55	40.97
315.0	61.21	57.41	53.96	50.10	47.58	45.24	42.96	41.38	40.09
360.0	55.42	52.03	48.75	46.29	44.30	42.72	40.97	39.85	38.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.16	37.28	36.46	35.29	34.00	32.25	30.67	29.32	27.74
45.0	38.62	37.98	37.22	36.64	35.99	34.29	33.07	31.25	29.90
90.0	38.04	37.45	36.52	35.87	34.53	33.42	31.54	30.14	28.73
135.0	38.51	37.75	37.28	36.28	35.76	34.70	33.24	31.78	30.08
180.0	39.85	38.86	37.75	37.04	36.40	35.70	34.88	33.59	32.48
225.0	38.51	37.40	36.99	36.28	35.76	34.65	33.47	32.30	30.31
270.0	39.39	38.39	37.57	37.04	36.23	35.64	34.53	33.30	31.66
315.0	38.74	37.92	37.28	36.40	35.76	34.59	33.12	31.66	30.20
360.0	38.16	37.28	36.46	35.29	34.00	32.25	30.67	29.32	27.74
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	26.45	24.81	23.58	22.59	21.24	20.48	19.72	19.08	18.55
45.0	28.03	26.69	25.40	23.64	22.59	21.54	20.54	19.84	19.25
90.0	27.10	25.63	24.23	22.82	21.77	20.83	20.01	19.37	18.79
135.0	28.79	27.21	26.04	24.29	23.12	22.18	21.24	20.31	19.61
180.0	30.55	29.32	27.74	26.39	24.81	23.35	22.36	21.36	20.25
225.0	29.09	27.10	25.87	24.46	22.88	21.89	20.83	20.07	19.49
270.0	30.20	28.44	26.86	25.69	23.94	22.82	21.83	20.60	19.90
315.0	28.73	26.80	25.63	24.23	23.06	21.77	20.83	20.13	19.37
360.0	26.45	24.81	23.58	22.59	21.24	20.48	19.72	19.08	18.55
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.08	17.56	17.15	16.74	16.27	15.86	15.51	15.10	14.69
45.0	18.61	18.14	17.67	17.32	16.80	16.44	16.04	15.57	15.16
90.0	18.20	17.79	17.32	16.91	16.39	16.04	15.63	15.27	14.81
135.0	19.02	18.49	17.91	17.50	16.97	16.62	16.21	15.68	15.33
180.0	19.61	19.08	18.43	17.97	17.56	17.09	16.62	16.15	15.80
225.0	18.79	18.26	17.85	17.38	16.91	16.44	16.09	15.68	15.33
270.0	19.31	18.79	18.20	17.73	17.32	16.91	16.44	16.04	15.68
315.0	18.84	18.26	17.79	17.38	17.03	16.50	16.09	15.74	15.39
360.0	18.08	17.56	17.15	16.74	16.27	15.86	15.51	15.10	14.69
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	13.93	13.58	13.34	13.05	12.70	12.58	12.29	12.35
45.0	14.75	14.28	13.93	13.64	13.28	13.05	12.70	12.47	12.23
90.0	14.46	14.10	13.75	13.46	13.17	12.87	12.64	12.29	12.29
135.0	14.92	14.51	14.10	13.81	13.46	13.23	12.87	12.64	12.35
180.0	15.45	15.04	14.63	14.28	13.93	13.52	13.34	12.99	12.76
225.0	14.92	14.57	14.28	13.87	13.58	13.34	13.05	12.70	12.58
270.0	15.27	14.92	14.46	14.10	13.75	13.46	13.23	12.82	12.52
315.0	14.98	14.51	14.22	13.81	13.52	13.23	12.99	12.58	12.29
360.0	14.28	13.93	13.58	13.34	13.05	12.70	12.58	12.29	12.35

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.35
90.0	12.35
135.0	12.29
180.0	12.58
225.0	12.23
270.0	12.29
315.0	12.35
360.0	12.29