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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.412.00

Report No: 2024227-B029

Ballast type: AC

Test No: 2024227-C029

Voltage(V): 36.010

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3316.0

Power (W): 25.243

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2800.49, Efficiency(%): 84.45% , Luminous Efficacy(lm/W): 110.94

Central intensity(cd): 4990.272, Maximum intensity(cd): 4990.272

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=44.0

[C90/270]Total=44.0

Field angle(10%Imax): [C0/180]Total=67.4

[C90/270]Total=67.4

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(%): 84.45%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.638%

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	4990.272	0.000	0	0.00%	0.00%
1.0	4989.760	4.775	4.775	0.14%	0.17%
2.0	4989.467	14.323	19.098	0.43%	0.68%
3.0	4987.639	23.862	42.96	0.72%	1.53%
4.0	4980.982	33.368	76.329	1.01%	2.73%
5.0	4955.671	42.747	119.075	1.29%	4.25%
6.0	4918.875	51.893	170.969	1.56%	6.10%
7.0	4864.156	60.723	231.692	1.83%	8.27%
8.0	4796.416	69.139	300.831	2.09%	10.74%
9.0	4710.681	77.050	377.881	2.32%	13.49%
10.0	4611.193	84.360	462.24	2.54%	16.51%
11.0	4513.314	91.173	553.413	2.75%	19.76%
12.0	4385.588	97.278	650.691	2.93%	23.23%
13.0	4251.133	102.496	753.187	3.09%	26.89%
14.0	4096.780	106.853	860.039	3.22%	30.71%
15.0	3925.309	110.131	970.17	3.32%	34.64%
16.0	3746.523	112.414	1082.584	3.39%	38.66%
17.0	3557.714	113.747	1196.33	3.43%	42.72%
18.0	3359.177	114.045	1310.375	3.44%	46.79%
19.0	3149.081	113.230	1423.605	3.41%	50.83%
20.0	2930.500	111.273	1534.879	3.36%	54.81%
21.0	2714.771	108.401	1643.279	3.27%	58.68%
22.0	2496.263	104.718	1747.997	3.16%	62.42%
23.0	2292.092	100.473	1848.47	3.03%	66.01%
24.0	2088.727	95.780	1944.25	2.89%	69.43%
25.0	1903.430	90.773	2035.023	2.74%	72.67%
26.0	1696.392	84.974	2119.997	2.56%	75.70%
27.0	1520.539	78.703	2198.7	2.37%	78.51%
28.0	1341.892	72.471	2271.171	2.19%	81.10%
29.0	1201.664	66.547	2337.717	2.01%	83.48%
30.0	1061.488	61.105	2398.822	1.84%	85.66%
31.0	901.071	54.615	2453.437	1.65%	87.61%
32.0	745.686	47.178	2500.615	1.42%	89.29%
33.0	594.450	39.481	2540.096	1.19%	90.70%
34.0	459.182	31.886	2571.982	0.96%	91.84%
35.0	340.177	24.825	2596.807	0.75%	92.73%
36.0	254.492	18.934	2615.741	0.57%	93.40%
37.0	171.617	13.897	2629.639	0.42%	93.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	141.998	10.468	2640.107	0.32%	94.27%
39.0	85.823	7.776	2647.883	0.23%	94.55%
40.0	76.803	5.672	2653.555	0.17%	94.75%
41.0	71.412	5.278	2658.833	0.16%	94.94%
42.0	67.323	5.040	2663.873	0.15%	95.12%
43.0	63.841	4.859	2668.732	0.15%	95.30%
44.0	61.222	4.720	2673.452	0.14%	95.46%
45.0	58.603	4.605	2678.057	0.14%	95.63%
46.0	56.167	4.488	2682.545	0.14%	95.79%
47.0	53.782	4.373	2686.918	0.13%	95.94%
48.0	51.573	4.259	2691.177	0.13%	96.10%
49.0	49.547	4.153	2695.33	0.13%	96.24%
50.0	47.813	4.059	2699.389	0.12%	96.39%
51.0	46.167	3.976	2703.365	0.12%	96.53%
52.0	44.477	3.890	2707.255	0.12%	96.67%
53.0	42.648	3.790	2711.045	0.11%	96.81%
54.0	40.783	3.677	2714.722	0.11%	96.94%
55.0	38.757	3.551	2718.273	0.11%	97.06%
56.0	37.067	3.426	2721.699	0.10%	97.19%
57.0	35.362	3.312	2725.01	0.10%	97.30%
58.0	33.987	3.207	2728.217	0.10%	97.42%
59.0	32.626	3.114	2731.332	0.09%	97.53%
60.0	31.397	3.025	2734.356	0.09%	97.64%
61.0	30.271	2.943	2737.299	0.09%	97.74%
62.0	29.327	2.872	2740.171	0.09%	97.85%
63.0	28.479	2.811	2742.982	0.08%	97.95%
64.0	27.513	2.747	2745.73	0.08%	98.04%
65.0	26.430	2.670	2748.399	0.08%	98.14%
66.0	25.260	2.579	2750.978	0.08%	98.23%
67.0	24.462	2.500	2753.479	0.08%	98.32%
68.0	23.987	2.454	2755.933	0.07%	98.41%
69.0	23.746	2.435	2758.368	0.07%	98.50%
70.0	23.614	2.432	2760.8	0.07%	98.58%
71.0	23.497	2.435	2763.235	0.07%	98.67%
72.0	23.350	2.436	2765.671	0.07%	98.76%
73.0	23.168	2.433	2768.104	0.07%	98.84%
74.0	22.912	2.422	2770.526	0.07%	98.93%
75.0	22.553	2.402	2772.928	0.07%	99.02%

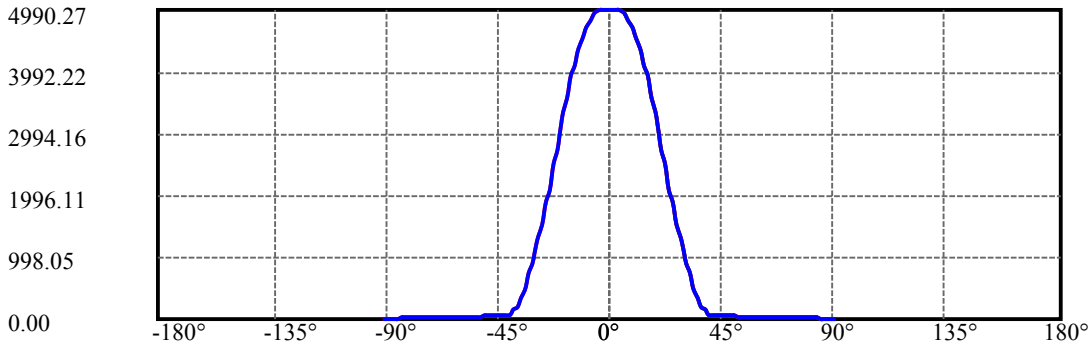
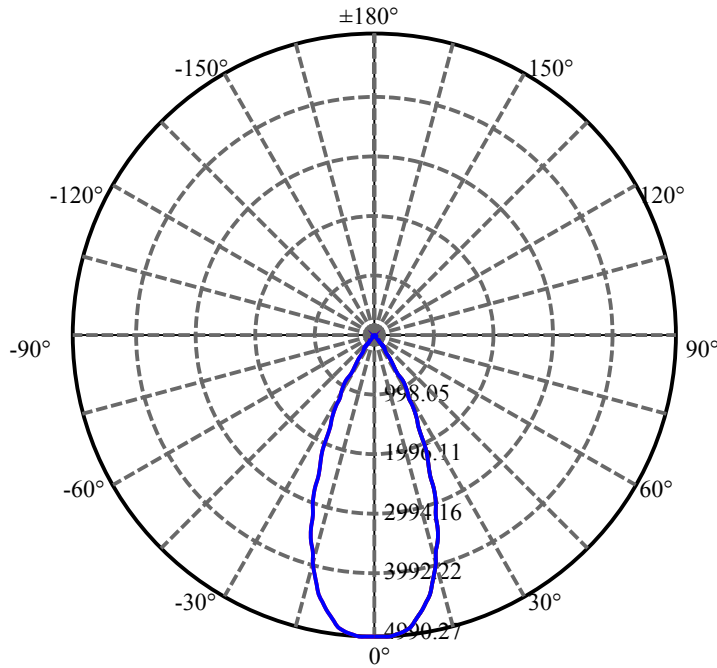
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.070	2.369	2775.297	0.07%	99.10%
77.0	21.492	2.323	2777.62	0.07%	99.18%
78.0	20.827	2.265	2779.885	0.07%	99.26%
79.0	20.205	2.205	2782.09	0.07%	99.34%
80.0	19.517	2.142	2784.231	0.06%	99.42%
81.0	18.771	2.071	2786.302	0.06%	99.49%
82.0	17.849	1.986	2788.288	0.06%	99.56%
83.0	16.635	1.875	2790.162	0.06%	99.63%
84.0	15.223	1.736	2791.898	0.05%	99.69%
85.0	13.987	1.594	2793.492	0.05%	99.75%
86.0	13.204	1.486	2794.978	0.04%	99.80%
87.0	12.787	1.422	2796.401	0.04%	99.85%
88.0	12.509	1.386	2797.787	0.04%	99.90%
89.0	12.319	1.361	2799.147	0.04%	99.95%
90.0	12.231	1.346	2800.493	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2398.82	72.34%	85.66%
0-40	2653.55	80.02%	94.75%
0-60	2734.36	82.46%	97.64%
0-90	2799.15	84.41%	99.95%
0-120	2799.15	84.41%	99.95%
0-180	2800.49	84.45%	100.00%
60-90	64.79	1.95%	2.31%
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%
0-27.58	2240.40	67.56%	80.00%

ZONAL LUMEN SUMMARY

0-10	462.24
10-20	1072.64
20-30	863.94
30-40	254.73
40-50	45.83
50-60	34.97
60-70	26.44
70-80	23.43
80-90	14.92
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: —————

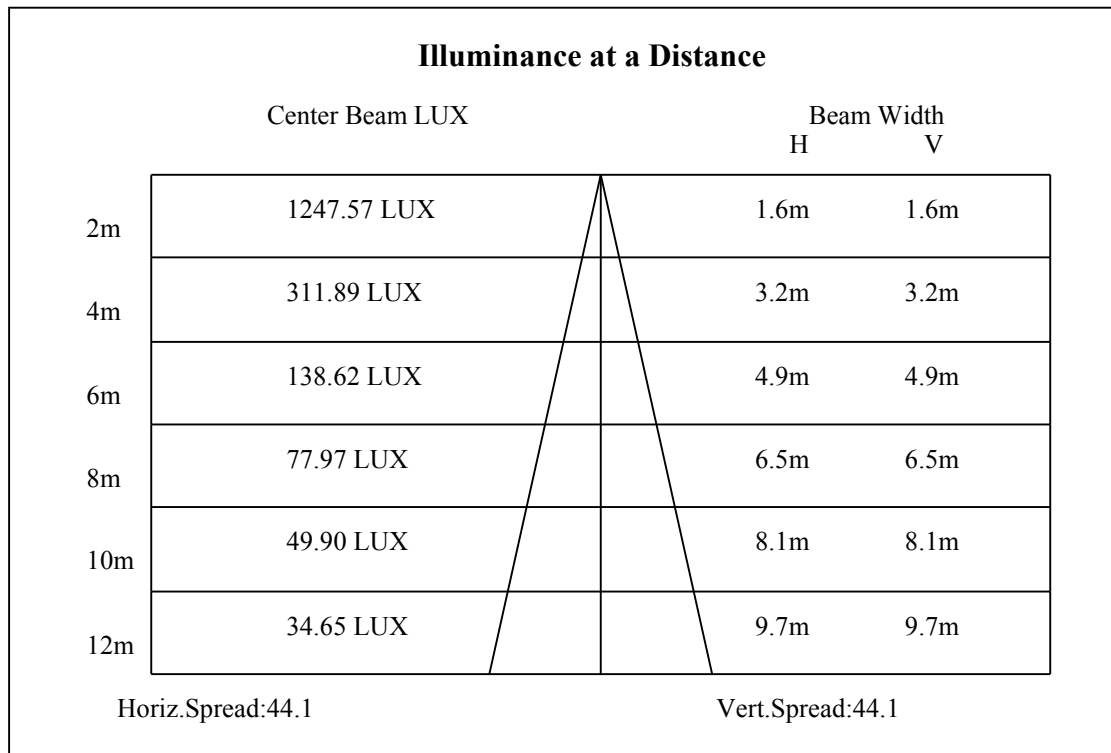
C90/C270: —————

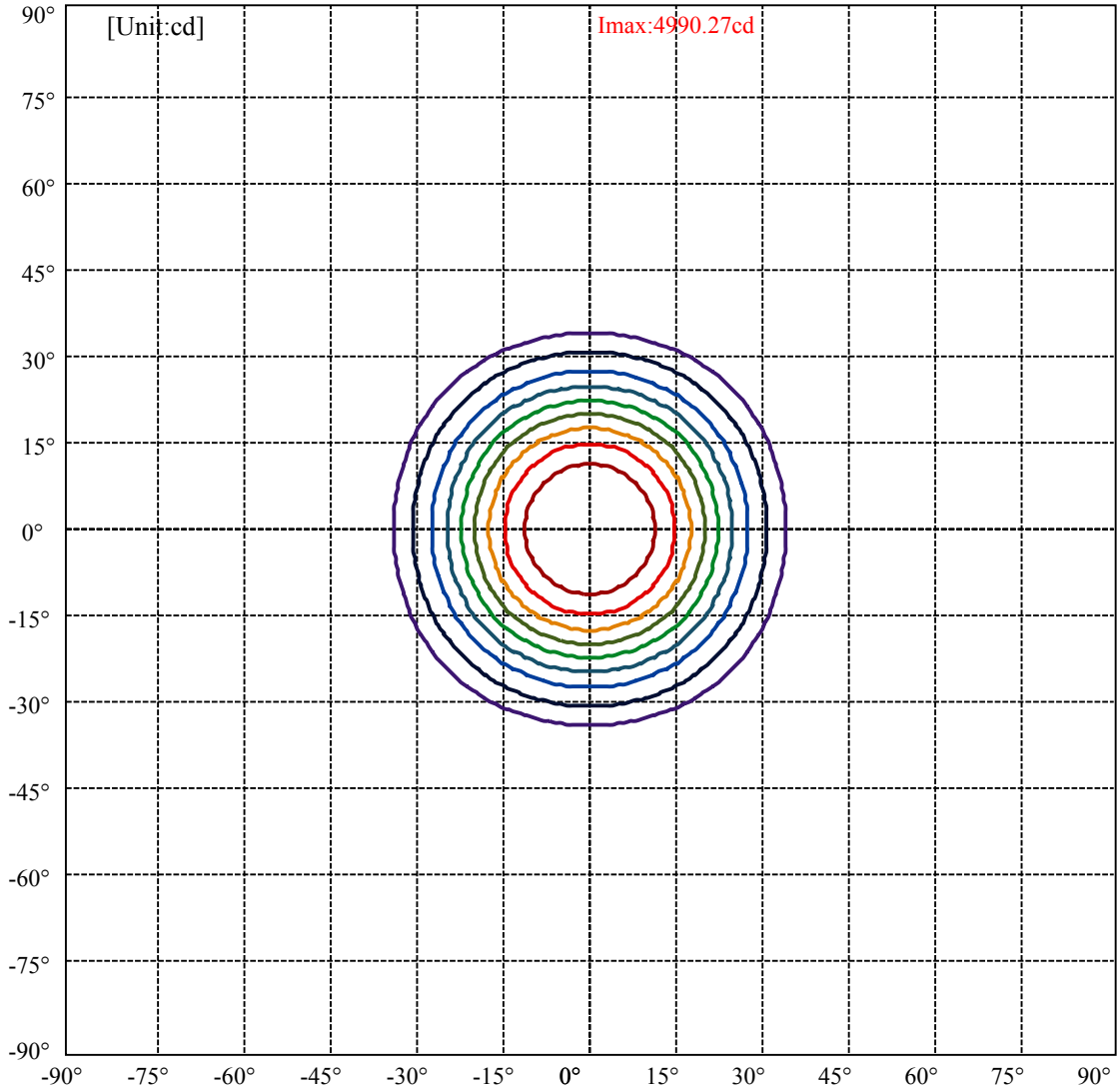
Field angle(10%Imax):C0/180Left:33.7 Right:33.7

:C90/270Left:33.7 Right:33.7

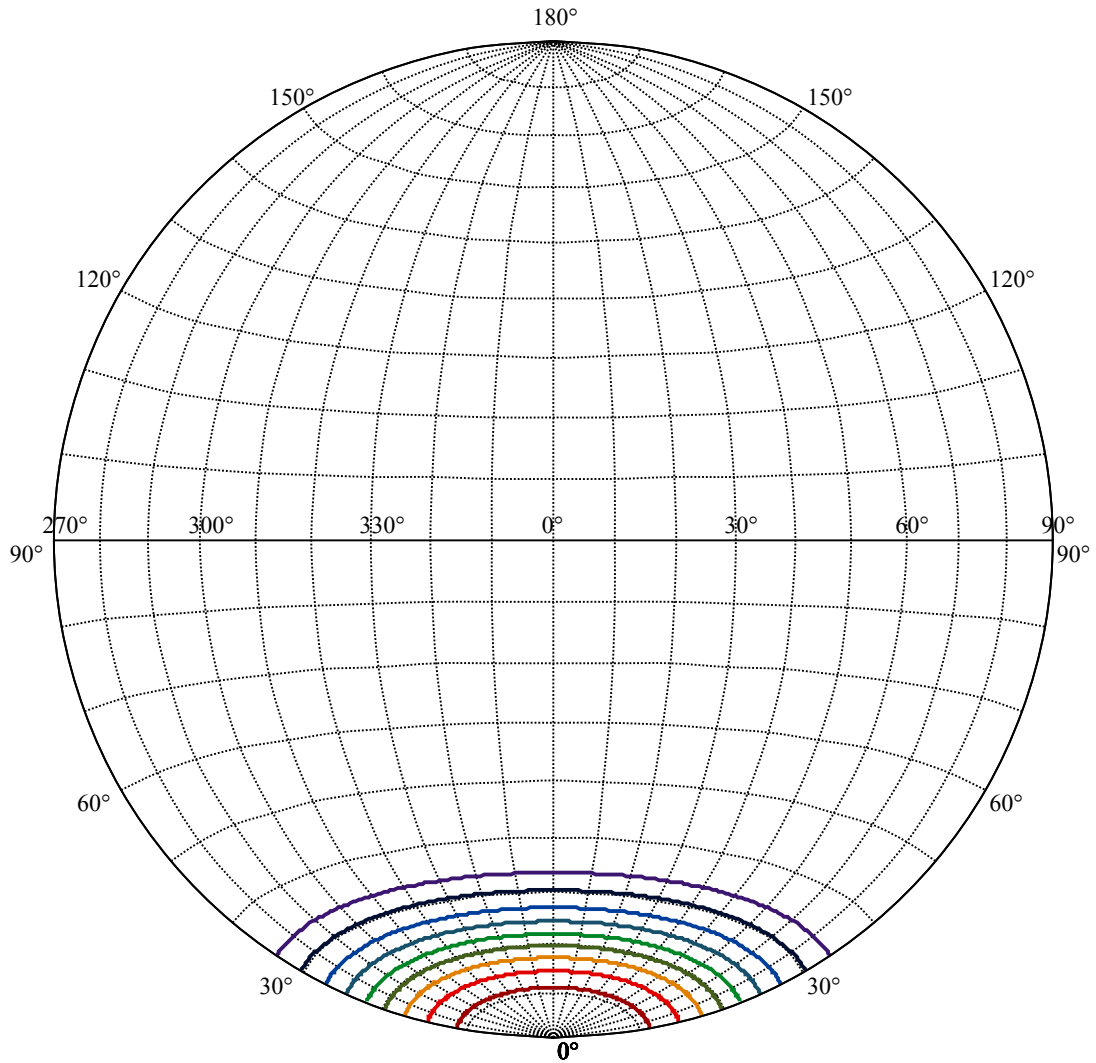
Beam Angle(50%Imax):C0/180Left:22.0 Right:22.0

:C90/270Left:22.0 Right:22.0





(10%Imax) 499.027	—
(20%Imax) 998.054	—
(30%Imax) 1497.08	—
(40%Imax) 1996.11	—
(50%Imax) 2495.14	—
(60%Imax) 2994.16	—
(70%Imax) 3493.19	—
(80%Imax) 3992.22	—
(90%Imax) 4491.24	—



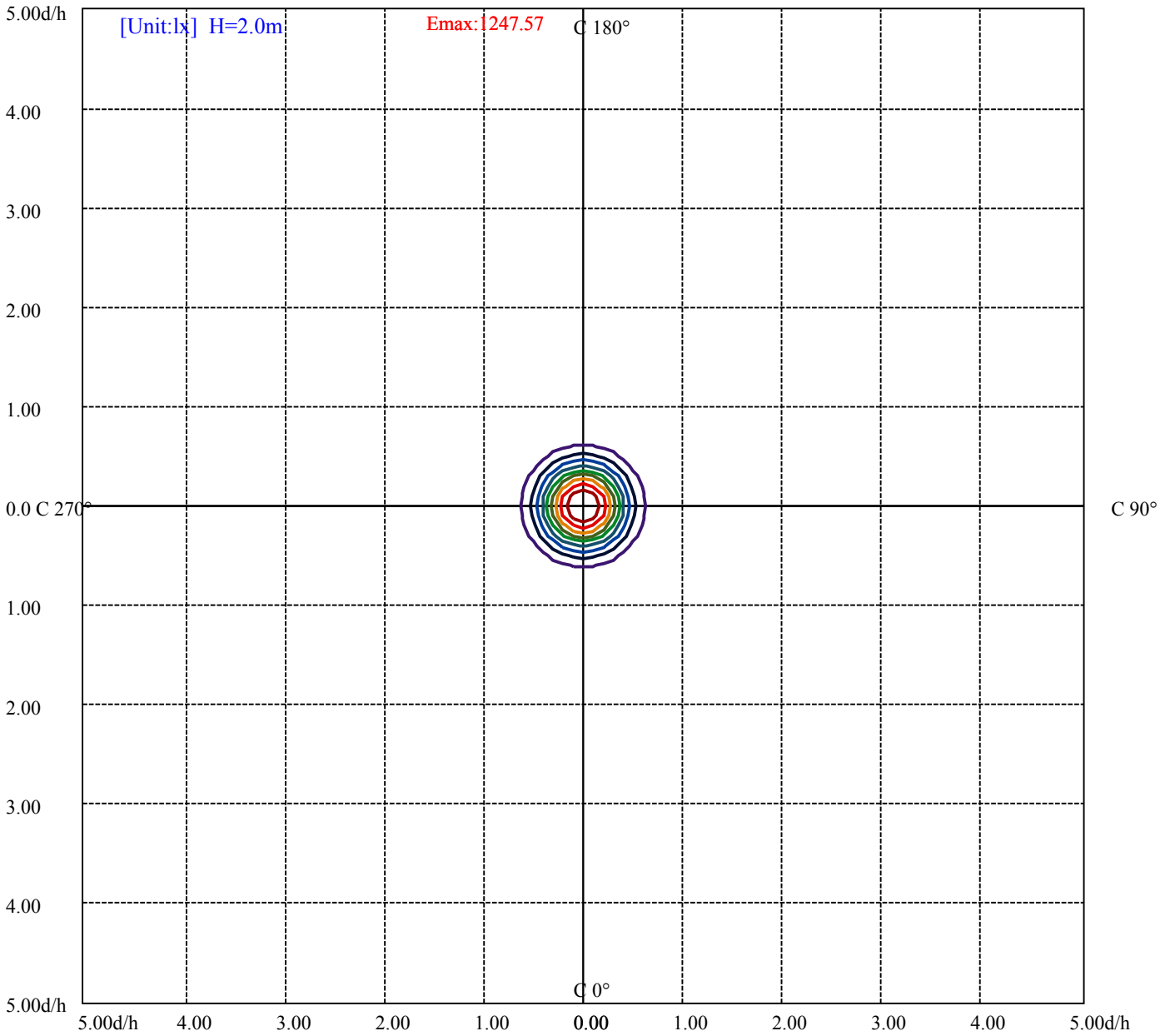
House

[Unit:cd]

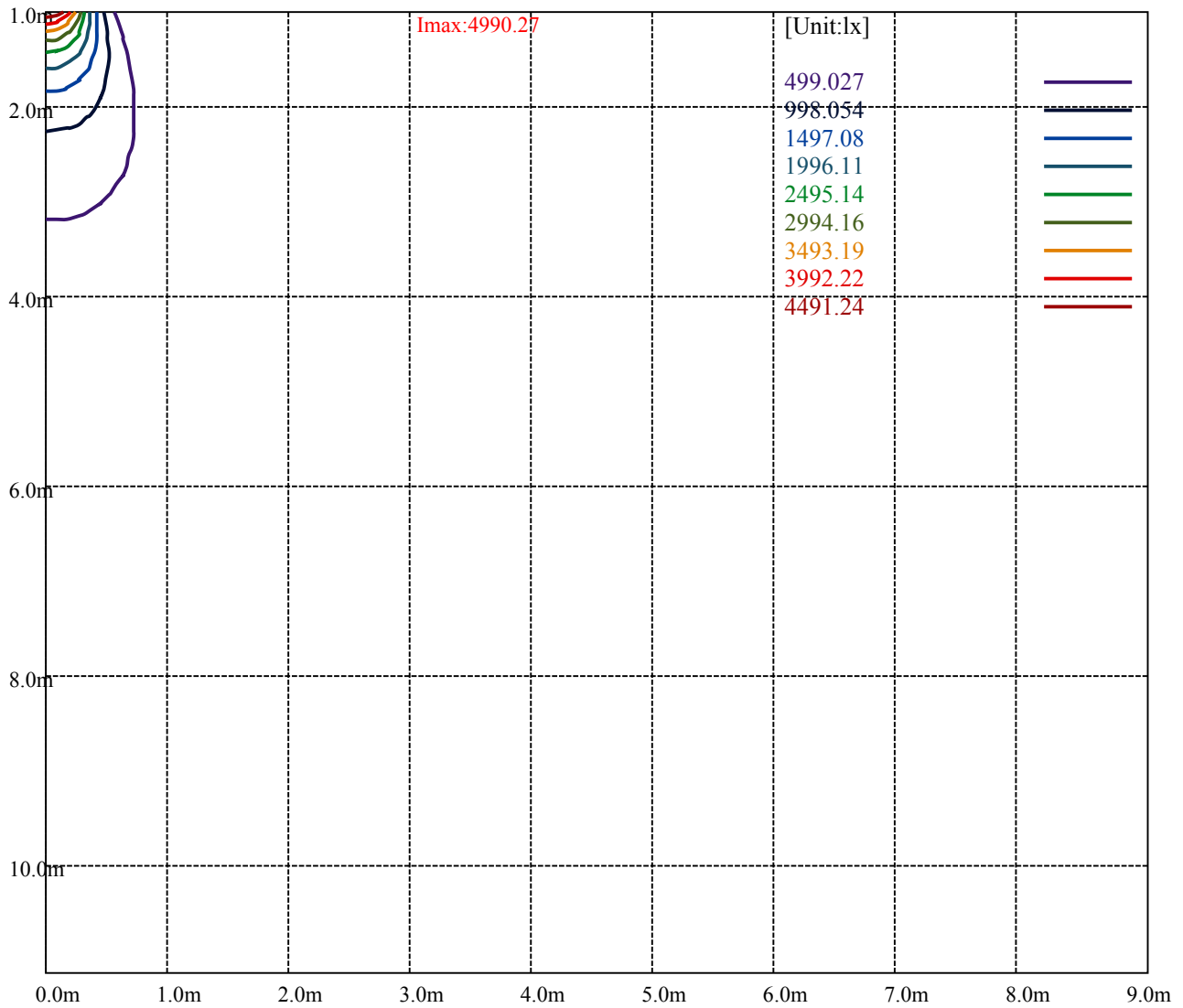
Road

Imax:4990.27

(10%Imax)	499.027	—
(20%Imax)	998.054	—
(30%Imax)	1497.08	—
(40%Imax)	1996.11	—
(50%Imax)	2495.14	—
(60%Imax)	2994.16	—
(70%Imax)	3493.19	—
(80%Imax)	3992.22	—
(90%Imax)	4491.24	—



(10%E _{max}) 124.7568	—
(20%E _{max}) 249.5135	—
(30%E _{max}) 374.27	—
(40%E _{max}) 499.0275	—
(50%E _{max}) 623.785	—
(60%E _{max}) 748.54	—
(70%E _{max}) 873.2975	—
(80%E _{max}) 998.055	—
(90%E _{max}) 1122.81	—



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

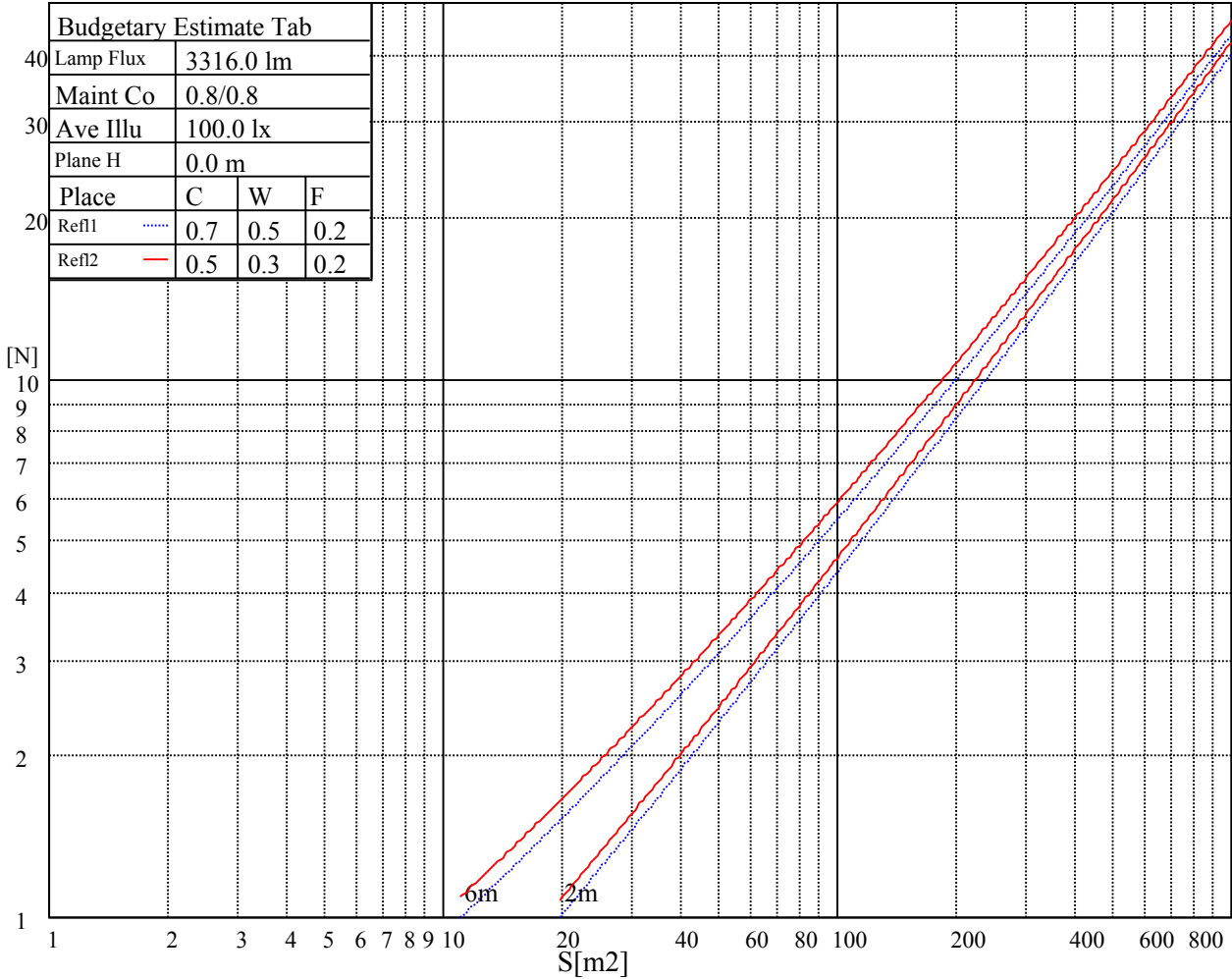
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

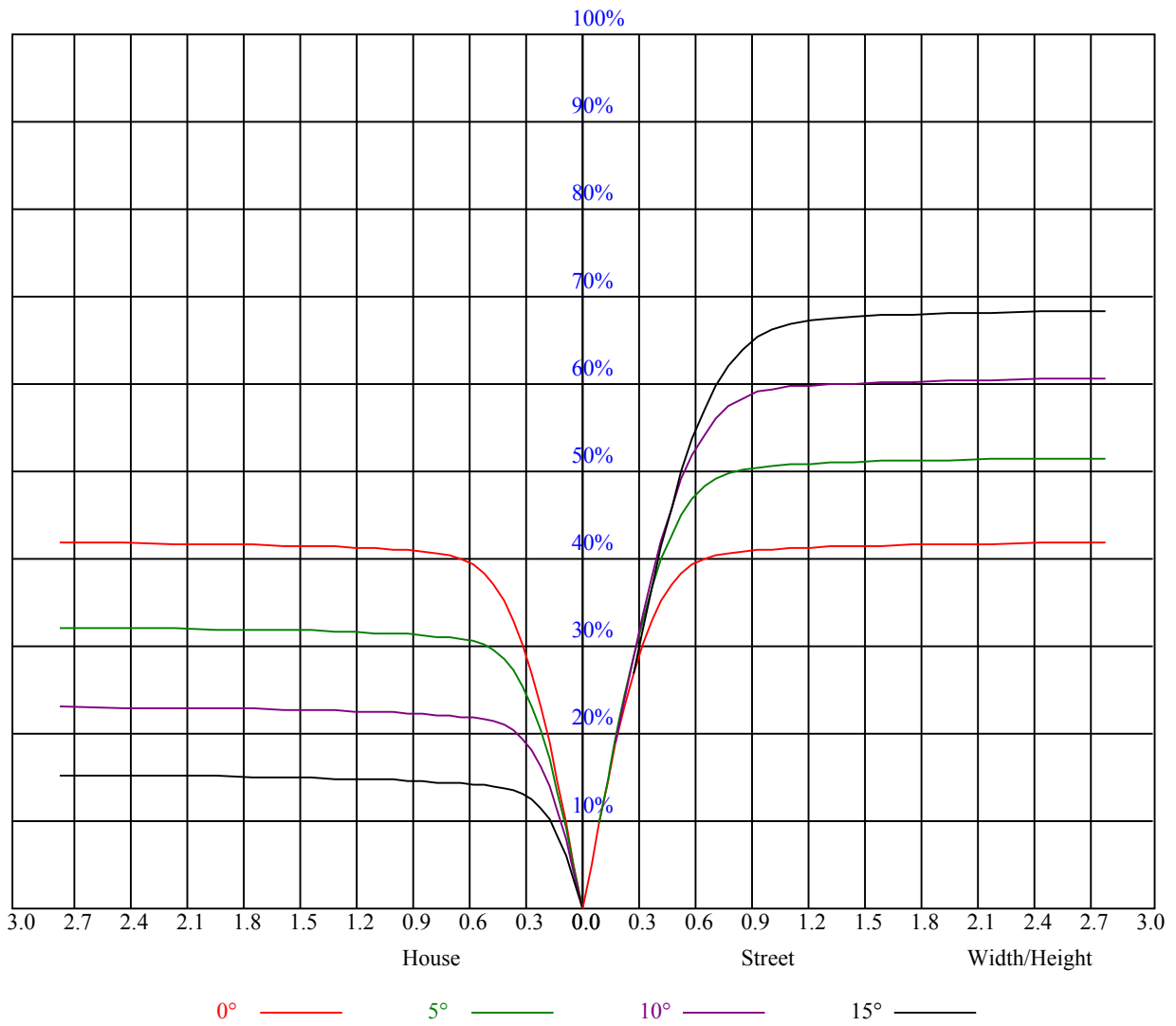


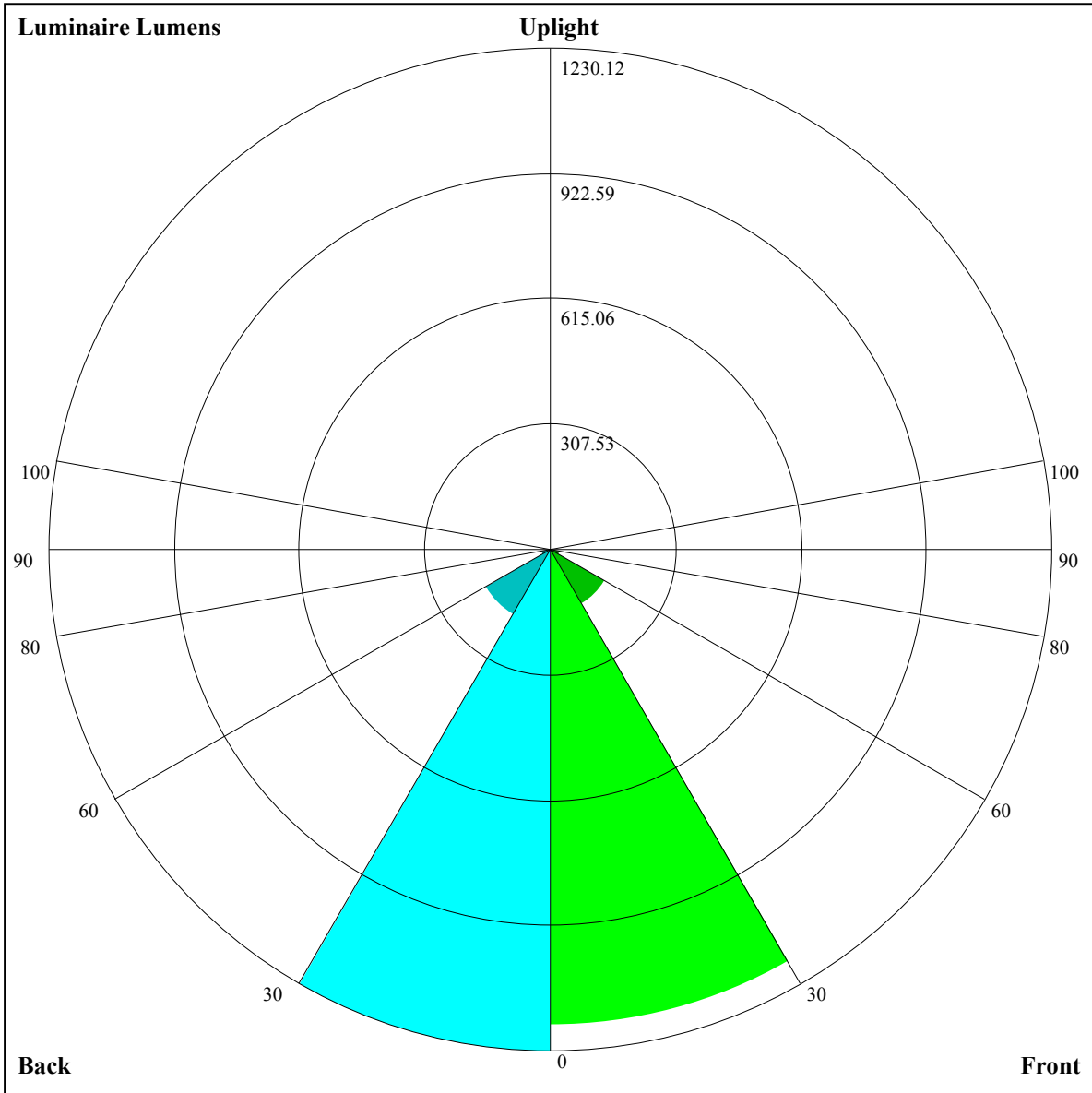
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.79
2	0.88	0.85	0.82	0.87	0.84	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.63
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	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	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.56	0.53	0.51	0.50





Luminaire Lumens:

FL=1165.87,FM=154.91,FH=24.66,FVH=8

BL=1230.12,BM=185.59,BH=25.26,BVH=8.29

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	4981.49	4980.91	4977.98	4963.35	4938.77	4878.49	4814.12	4733.94	4656.11
45.0	4988.52	4989.69	4993.20	4994.95	4986.76	4961.60	4918.29	4862.69	4774.32
90.0	4997.29	4998.47	4999.05	4997.29	4982.08	4937.60	4883.18	4794.81	4714.05
135.0	4993.78	4995.54	4989.69	4996.12	5000.22	4977.98	4948.14	4901.32	4821.14
180.0	4981.49	4983.25	4983.83	4985.59	4989.10	4985.59	4979.15	4952.82	4918.29
225.0	4988.52	4991.44	4992.03	4987.93	4982.66	4967.45	4928.82	4882.01	4818.22
270.0	4997.29	4993.20	4992.61	4990.86	4989.10	4983.83	4968.03	4927.07	4880.84
315.0	4993.78	4985.59	4987.35	4985.01	4979.15	4952.82	4911.27	4858.60	4788.37
360.0	4981.49	4980.91	4977.98	4963.35	4938.77	4878.49	4814.12	4733.94	4656.11
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4537.89	4431.38	4313.75	4141.11	3987.78	3820.41	3595.10	3408.41	3171.98
45.0	4694.73	4599.93	4502.78	4360.57	4225.97	4082.59	3878.93	3696.34	3506.73
90.0	4722.17	4488.15	4378.71	4241.18	4098.39	3904.68	3726.77	3534.23	3343.45
135.0	4747.99	4659.03	4561.89	4420.85	4287.42	4147.55	3990.71	3781.78	3596.27
180.0	4841.04	4767.89	4686.54	4594.66	4470.01	4352.38	4224.21	4086.68	3895.90
225.0	4742.72	4635.04	4538.48	4433.14	4310.83	4141.11	3991.88	3788.81	3622.02
270.0	4814.70	4715.22	4629.19	4534.97	4396.85	4273.37	4100.73	3946.82	3780.03
315.0	4684.20	4592.90	4495.17	4358.23	4231.82	4052.16	3894.15	3729.11	3545.35
360.0	4537.89	4431.38	4313.75	4141.11	3987.78	3820.41	3595.10	3408.41	3171.98
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2977.10	2772.85	2571.54	2320.48	2126.18	1948.27	1776.80	1586.60	1160.44
45.0	3274.39	3078.93	2836.06	2631.23	2429.91	2225.08	1995.68	1824.20	1666.19
90.0	3147.98	2902.77	2697.95	2444.54	2239.71	2047.76	1835.91	1681.41	1536.86
135.0	3405.48	3211.77	2963.64	2764.08	2517.11	2316.38	2127.94	1902.62	1738.76
180.0	3725.60	3544.77	3301.90	3093.56	2853.03	2641.76	2442.20	2248.49	2022.01
225.0	3435.33	3195.39	2991.14	2783.39	2582.07	2331.01	2139.64	1961.15	1795.53
270.0	3601.53	3369.20	3166.71	2962.47	2757.64	2559.83	2314.04	2117.99	1944.18
315.0	3305.99	3116.97	2915.06	2718.43	2464.44	2266.63	2077.61	1904.97	1707.16
360.0	2977.10	2772.85	2571.54	2320.48	2126.18	1948.27	1776.80	1586.60	1160.44
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1160.44	1072.37	917.87	780.22	608.46	478.66	357.10	226.01	145.31
45.0	1514.62	1308.62	1158.80	989.67	849.22	676.58	541.39	386.31	300.86
90.0	1145.40	1145.40	1029.94	881.11	703.79	562.05	426.92	309.06	185.81
135.0	1586.02	1437.96	1227.28	1076.29	928.23	778.41	605.77	471.75	348.27
180.0	1852.88	1698.38	1553.25	1357.20	1207.96	1037.66	850.98	712.28	574.75
225.0	1604.75	1347.83	1147.92	1108.71	961.58	816.97	645.33	510.08	386.19
270.0	1738.18	1588.36	1442.05	1237.81	1080.38	892.53	742.71	605.18	474.09
315.0	1562.02	1136.21	1136.21	1060.90	868.94	722.64	585.40	452.79	306.13
360.0	1160.44	1072.37	917.87	780.22	608.46	478.66	357.10	226.01	145.31
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.90	85.33	75.90	71.10	67.30	64.43	61.39	58.99	56.65
45.0	300.86	103.18	87.55	79.01	73.86	68.47	65.49	63.03	60.63
90.0	117.69	92.11	80.41	74.44	68.65	65.55	63.15	60.69	57.82
135.0	319.59	196.17	93.23	83.34	76.84	71.75	66.95	64.32	61.74
180.0	410.89	295.01	295.01	109.38	89.13	80.12	74.03	68.47	65.25
225.0	251.82	165.79	109.73	89.66	81.11	75.38	70.52	66.25	63.67
270.0	327.20	299.69	299.69	99.08	83.63	76.25	71.34	66.48	63.79
315.0	208.98	135.66	94.46	80.59	73.91	69.35	65.72	62.50	60.22
360.0	98.90	85.33	75.90	71.10	67.30	64.43	61.39	58.99	56.65

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	53.84	51.73	49.51	47.99	46.58	44.65	43.07	41.32	39.44
45.0	57.76	55.42	53.20	50.62	48.81	47.34	45.47	43.89	42.19
90.0	55.42	53.08	51.09	48.92	47.34	45.88	44.24	42.25	40.50
135.0	59.11	56.24	53.84	51.68	49.22	47.64	46.17	44.54	42.55
180.0	62.79	60.34	57.47	55.19	53.02	50.50	48.75	47.34	45.41
225.0	61.04	58.64	55.60	53.37	50.86	49.10	47.64	45.59	43.89
270.0	61.33	58.46	56.24	53.96	51.44	49.74	48.22	46.70	44.71
315.0	57.53	55.42	53.31	50.86	49.10	47.64	45.76	44.18	42.49
360.0	53.84	51.73	49.51	47.99	46.58	44.65	43.07	41.32	39.44
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	37.57	35.52	34.18	33.01	31.78	30.43	29.50	28.79	28.09
45.0	39.97	38.16	36.46	34.76	33.53	32.36	31.25	29.96	29.20
90.0	38.16	36.52	35.11	33.53	32.42	31.25	30.14	29.09	28.44
135.0	40.79	38.51	36.69	35.17	33.71	32.48	31.31	30.20	29.14
180.0	43.89	41.67	39.91	38.04	36.34	34.59	33.30	32.07	30.90
225.0	42.14	40.15	38.22	36.17	34.65	33.42	31.95	30.72	29.67
270.0	42.96	41.14	39.27	36.99	35.46	34.06	32.48	31.37	30.02
315.0	40.79	38.39	36.69	35.23	34.00	32.42	31.25	29.96	29.14
360.0	37.57	35.52	34.18	33.01	31.78	30.43	29.50	28.79	28.09
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.10	25.40	24.23	23.82	23.70	23.64	23.53	23.35	23.17
45.0	28.62	27.80	26.22	24.87	24.23	23.99	23.82	23.64	23.47
90.0	27.74	26.28	24.93	24.17	23.94	23.70	23.64	23.53	23.29
135.0	28.56	27.86	26.80	25.11	24.29	24.11	23.94	23.82	23.76
180.0	29.55	28.73	28.09	27.10	25.93	24.58	23.82	23.64	23.58
225.0	28.56	27.86	27.04	25.46	24.35	23.94	23.76	23.70	23.64
270.0	29.20	28.56	27.74	26.69	25.34	24.35	24.05	23.88	23.76
315.0	28.50	27.62	26.39	24.87	23.94	23.58	23.41	23.35	23.29
360.0	27.10	25.40	24.23	23.82	23.70	23.64	23.53	23.35	23.17
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.94	22.53	22.00	21.36	20.78	20.19	19.31	18.61	17.73
45.0	23.23	23.12	22.71	22.30	21.77	21.24	20.48	19.78	19.02
90.0	23.17	22.88	22.41	21.95	21.30	20.60	20.07	19.49	18.90
135.0	23.58	23.47	23.23	22.77	22.24	21.71	21.01	20.42	19.84
180.0	23.58	23.47	23.41	23.41	23.17	22.71	22.12	21.59	20.78
225.0	23.53	23.35	23.23	23.00	22.47	21.77	21.19	20.60	19.96
270.0	23.58	23.47	23.35	23.12	22.82	22.30	21.83	21.13	20.48
315.0	23.17	23.06	22.94	22.53	22.00	21.42	20.60	20.01	19.43
360.0	22.94	22.53	22.00	21.36	20.78	20.19	19.31	18.61	17.73
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.21	16.27	14.69	13.46	12.99	12.64	12.35	12.23	12.23
45.0	18.08	17.26	16.09	14.69	13.52	12.93	12.58	12.29	12.17
90.0	17.91	16.62	14.86	13.58	13.05	12.76	12.47	12.23	12.23
135.0	19.08	18.02	16.62	14.69	13.52	13.05	12.82	12.52	12.23
180.0	20.13	19.20	18.32	17.09	15.63	14.16	13.34	12.93	12.64
225.0	19.14	18.20	17.15	15.74	14.40	13.34	12.93	12.64	12.35
270.0	19.84	19.02	18.14	16.97	14.98	13.69	13.05	12.76	12.47
315.0	18.79	18.20	17.21	15.57	13.81	13.05	12.76	12.47	12.23
360.0	17.21	16.27	14.69	13.46	12.99	12.64	12.35	12.23	12.23

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.29
45.0	12.17
90.0	12.23
135.0	12.23
180.0	12.35
225.0	12.17
270.0	12.17
315.0	12.23
360.0	12.29