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NT

Client:

LumCAT: 2-2682-L

Luminaire: 92.70.412.00

Report No: 2024227-B002

Ballast type: AC

Test No: 2024227-C002

Voltage(V): 35.940

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3316.0

Power (W): 25.193

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2860.82, Efficiency(%): 86.27% , Luminous Efficacy(lm/W): 113.56

Central intensity(cd): 11508.510, Maximum intensity(cd): 11508.510

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=19.4

[C90/270]Total=19.4

Field angle(10%Imax): [C0/180]Total=55.8

[C90/270]Total=55.8

Maximum s/h(1/2): C0_180=0.33 C90_270=0.33

Maximum s/h(1/4): C0_180=0.40 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 86.27%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.854%

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	11508.508	0.000	0	0.00%	0.00%
1.0	11407.257	10.965	10.965	0.33%	0.38%
2.0	11108.565	32.317	43.282	0.97%	1.51%
3.0	10725.455	52.220	95.501	1.57%	3.34%
4.0	10049.806	69.541	165.043	2.10%	5.77%
5.0	9360.045	83.500	248.543	2.52%	8.69%
6.0	8592.303	94.344	342.887	2.85%	11.99%
7.0	7802.980	101.765	444.653	3.07%	15.54%
8.0	6965.524	105.695	550.348	3.19%	19.24%
9.0	6241.161	107.033	657.381	3.23%	22.98%
10.0	5575.980	106.941	764.322	3.22%	26.72%
11.0	5019.797	105.874	870.195	3.19%	30.42%
12.0	4544.813	104.555	974.75	3.15%	34.07%
13.0	4133.327	102.988	1077.738	3.11%	37.67%
14.0	3738.885	100.764	1178.502	3.04%	41.19%
15.0	3435.081	98.487	1276.989	2.97%	44.64%
16.0	3151.246	96.508	1373.497	2.91%	48.01%
17.0	2936.030	94.795	1468.292	2.86%	51.32%
18.0	2691.486	92.786	1561.078	2.80%	54.57%
19.0	2496.906	90.267	1651.345	2.72%	57.72%
20.0	2286.964	87.558	1738.903	2.64%	60.78%
21.0	2062.245	83.514	1822.417	2.52%	63.70%
22.0	1899.333	79.610	1902.027	2.40%	66.49%
23.0	1743.297	76.432	1978.459	2.30%	69.16%
24.0	1594.870	72.984	2051.443	2.20%	71.71%
25.0	1436.420	68.925	2120.368	2.08%	74.12%
26.0	1337.905	65.488	2185.856	1.97%	76.41%
27.0	1220.443	62.591	2248.447	1.89%	78.59%
28.0	1139.996	59.761	2308.208	1.80%	80.68%
29.0	1050.391	57.307	2365.515	1.73%	82.69%
30.0	938.825	53.708	2419.223	1.62%	84.56%
31.0	821.122	48.977	2468.2	1.48%	86.28%
32.0	718.225	44.100	2512.301	1.33%	87.82%
33.0	616.608	39.325	2551.625	1.19%	89.19%
34.0	511.560	34.142	2585.767	1.03%	90.39%
35.0	415.378	28.787	2614.554	0.87%	91.39%
36.0	334.134	23.865	2638.419	0.72%	92.23%
37.0	271.171	19.742	2658.161	0.60%	92.92%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	207.740	15.985	2674.146	0.48%	93.47%
39.0	161.654	12.608	2686.754	0.38%	93.92%
40.0	115.414	9.663	2696.418	0.29%	94.25%
41.0	90.703	7.340	2703.757	0.22%	94.51%
42.0	82.670	6.299	2710.056	0.19%	94.73%
43.0	77.198	5.922	2715.978	0.18%	94.94%
44.0	72.604	5.654	2721.632	0.17%	95.13%
45.0	69.049	5.444	2727.076	0.16%	95.33%
46.0	66.043	5.283	2732.359	0.16%	95.51%
47.0	63.636	5.158	2737.517	0.16%	95.69%
48.0	61.485	5.058	2742.575	0.15%	95.87%
49.0	59.408	4.965	2747.539	0.15%	96.04%
50.0	57.659	4.881	2752.42	0.15%	96.21%
51.0	56.489	4.829	2757.25	0.15%	96.38%
52.0	55.596	4.810	2762.059	0.15%	96.55%
53.0	54.821	4.803	2766.863	0.14%	96.72%
54.0	54.060	4.799	2771.662	0.14%	96.88%
55.0	53.438	4.799	2776.46	0.14%	97.05%
56.0	52.634	4.793	2781.253	0.14%	97.22%
57.0	51.449	4.759	2786.012	0.14%	97.39%
58.0	49.334	4.661	2790.673	0.14%	97.55%
59.0	46.642	4.487	2795.16	0.14%	97.70%
60.0	43.555	4.261	2799.421	0.13%	97.85%
61.0	40.037	3.989	2803.41	0.12%	97.99%
62.0	36.269	3.677	2807.087	0.11%	98.12%
63.0	32.678	3.353	2810.44	0.10%	98.24%
64.0	29.232	3.038	2813.478	0.09%	98.35%
65.0	26.182	2.742	2816.221	0.08%	98.44%
66.0	24.119	2.510	2818.73	0.08%	98.53%
67.0	22.399	2.339	2821.069	0.07%	98.61%
68.0	21.244	2.211	2823.28	0.07%	98.69%
69.0	20.490	2.129	2825.409	0.06%	98.76%
70.0	19.846	2.072	2827.481	0.06%	98.83%
71.0	19.261	2.021	2829.502	0.06%	98.91%
72.0	18.742	1.976	2831.478	0.06%	98.97%
73.0	18.288	1.936	2833.414	0.06%	99.04%
74.0	17.886	1.902	2835.316	0.06%	99.11%
75.0	17.498	1.870	2837.186	0.06%	99.17%

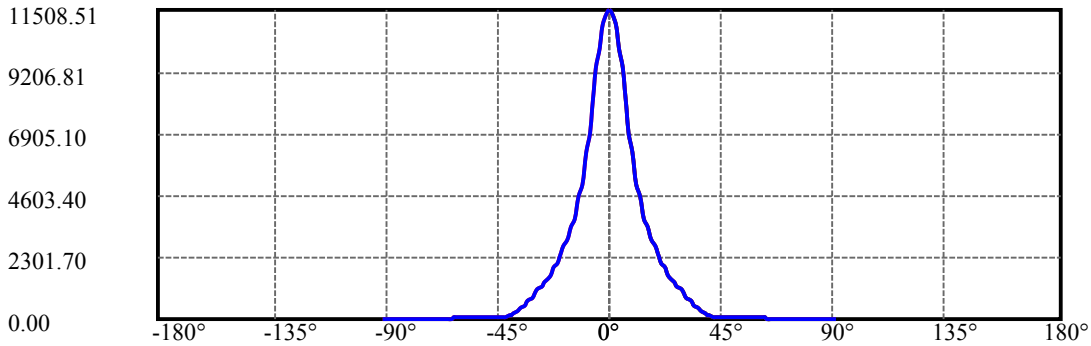
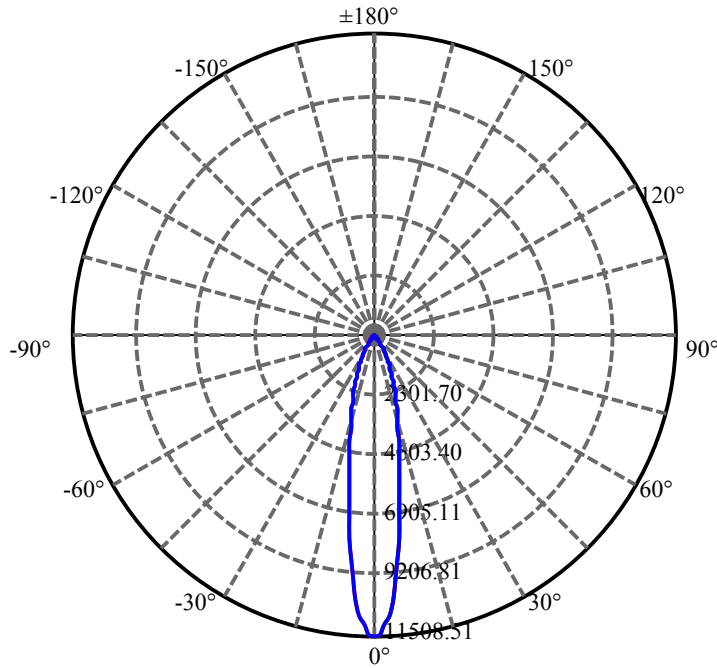
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.118	1.838	2839.023	0.06%	99.24%
77.0	16.745	1.805	2840.829	0.05%	99.30%
78.0	16.342	1.771	2842.6	0.05%	99.36%
79.0	15.933	1.734	2844.334	0.05%	99.42%
80.0	15.494	1.694	2846.028	0.05%	99.48%
81.0	15.040	1.651	2847.68	0.05%	99.54%
82.0	14.616	1.608	2849.288	0.05%	99.60%
83.0	14.184	1.566	2850.853	0.05%	99.65%
84.0	13.789	1.524	2852.377	0.05%	99.71%
85.0	13.431	1.486	2853.863	0.04%	99.76%
86.0	13.087	1.450	2855.313	0.04%	99.81%
87.0	12.794	1.416	2856.729	0.04%	99.86%
88.0	12.502	1.386	2858.115	0.04%	99.91%
89.0	12.304	1.360	2859.474	0.04%	99.95%
90.0	12.180	1.342	2860.817	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2419.22	72.96%	84.56%
0-40	2696.42	81.32%	94.25%
0-60	2799.42	84.42%	97.85%
0-90	2859.47	86.23%	99.95%
0-120	2859.47	86.23%	99.95%
0-180	2860.82	86.27%	100.00%
60-90	60.05	1.81%	2.10%
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%
0-27.67	2288.65	69.02%	80.00%

ZONAL LUMEN SUMMARY

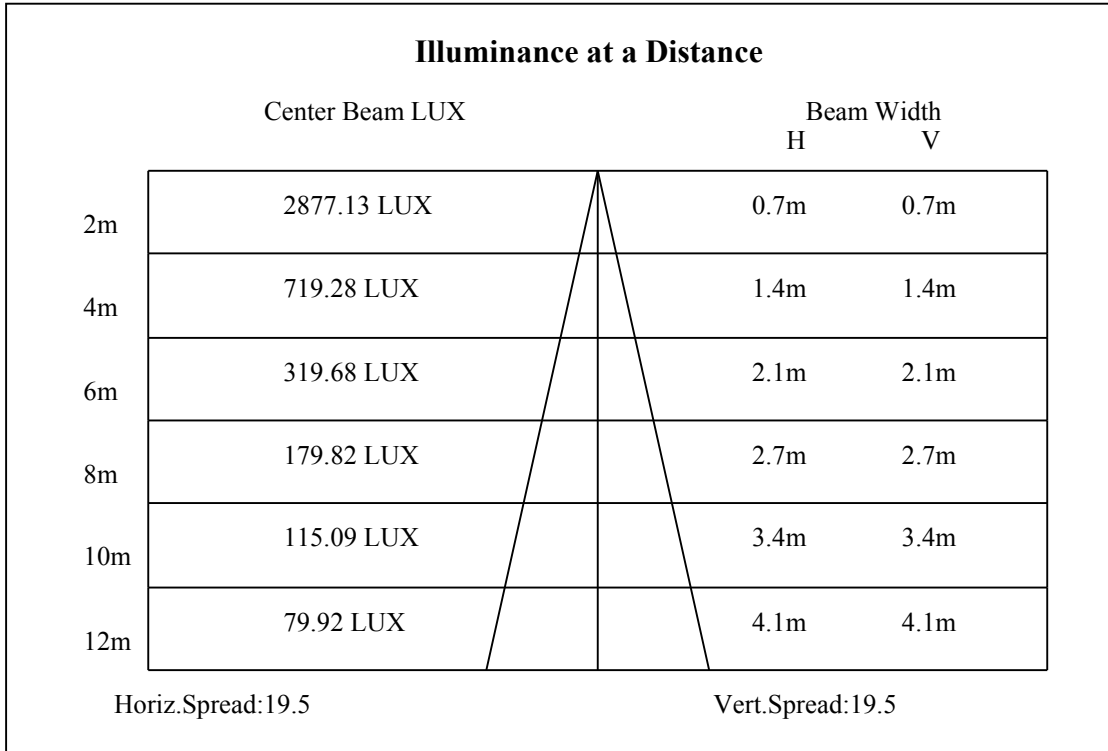
0-10	764.32
10-20	974.58
20-30	680.32
30-40	277.19
40-50	56.00
50-60	47.00
60-70	28.06
70-80	18.55
80-90	13.45
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

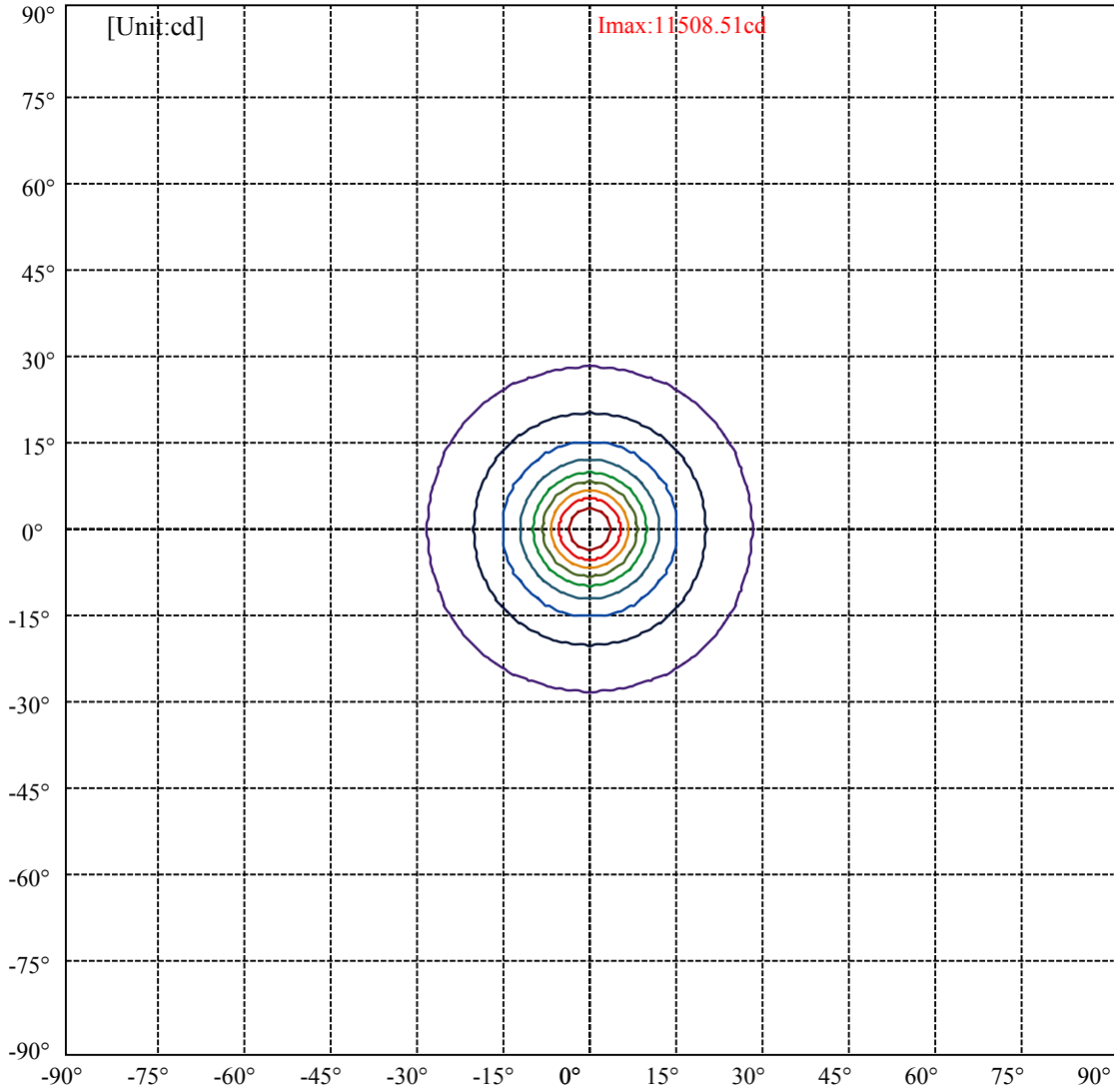


C0(Max): ———
C0/C180: ———
C90/C270: ———

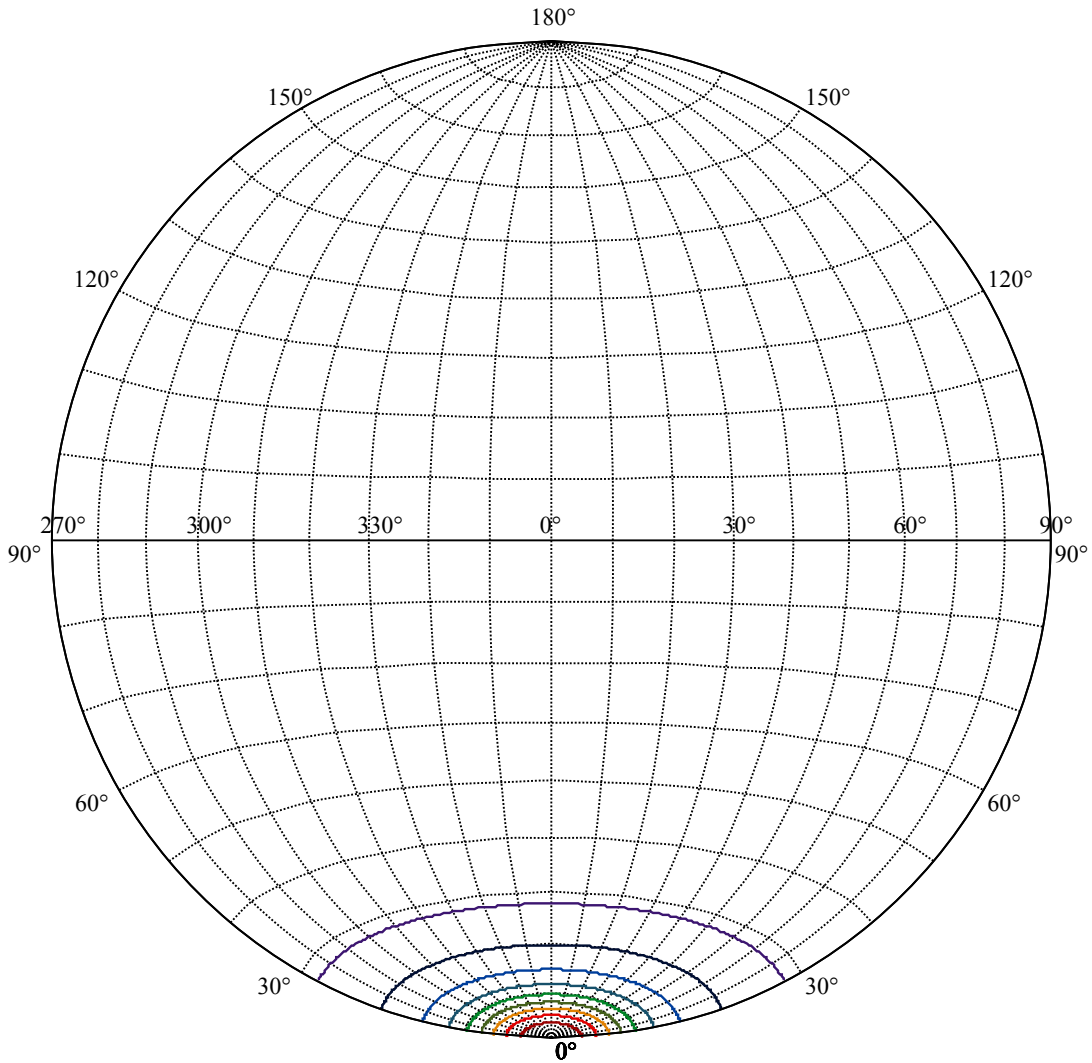
Field angle(10%Imax):C0/180Left:27.9 Right:27.9
:C90/270Left:27.9 Right:27.9

Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7





(10%Imax) 1150.85	—
(20%Imax) 2301.7	—
(30%Imax) 3452.55	—
(40%Imax) 4603.4	—
(50%Imax) 5754.25	—
(60%Imax) 6905.11	—
(70%Imax) 8055.96	—
(80%Imax) 9206.81	—
(90%Imax) 10357.7	—



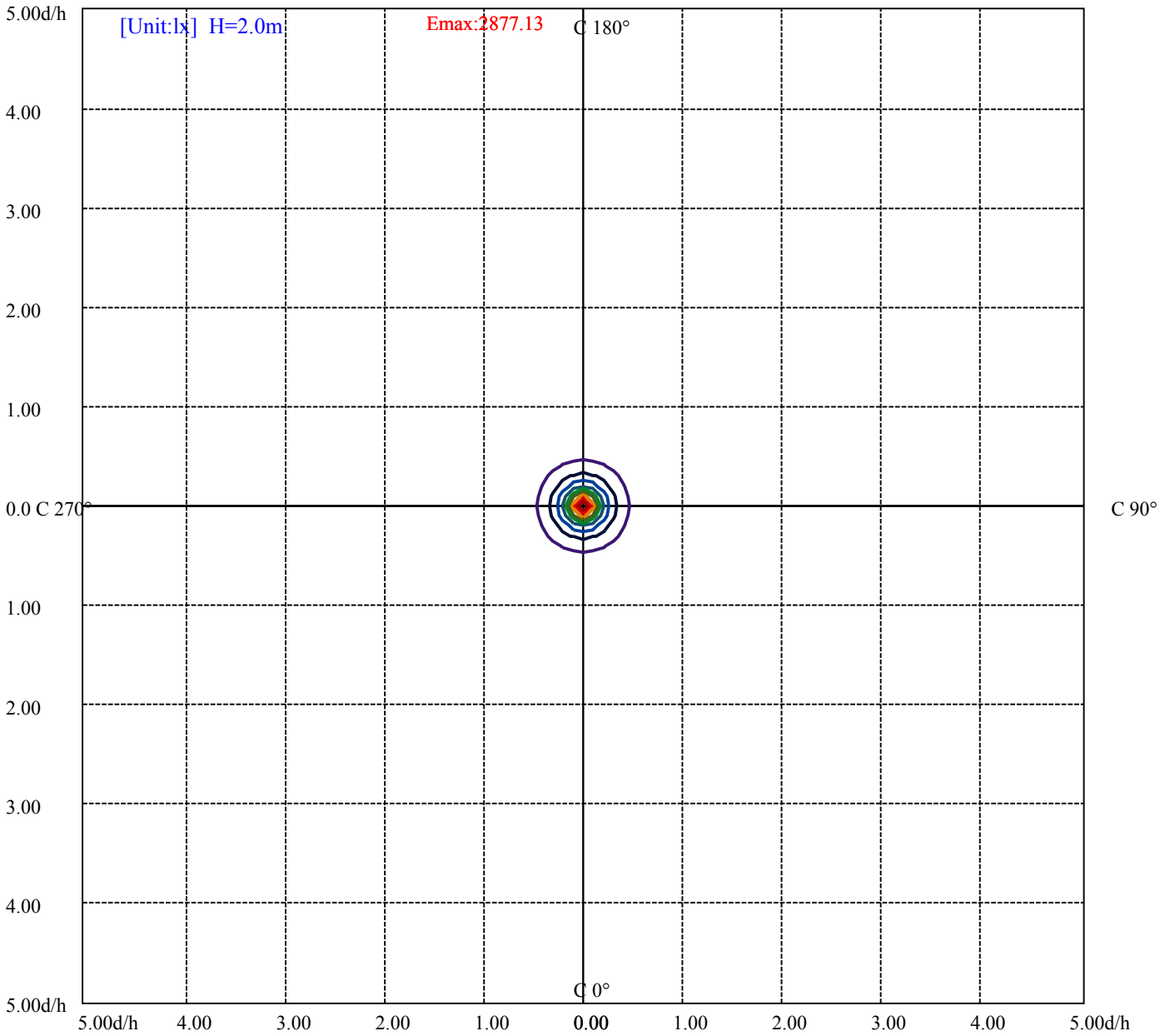
House

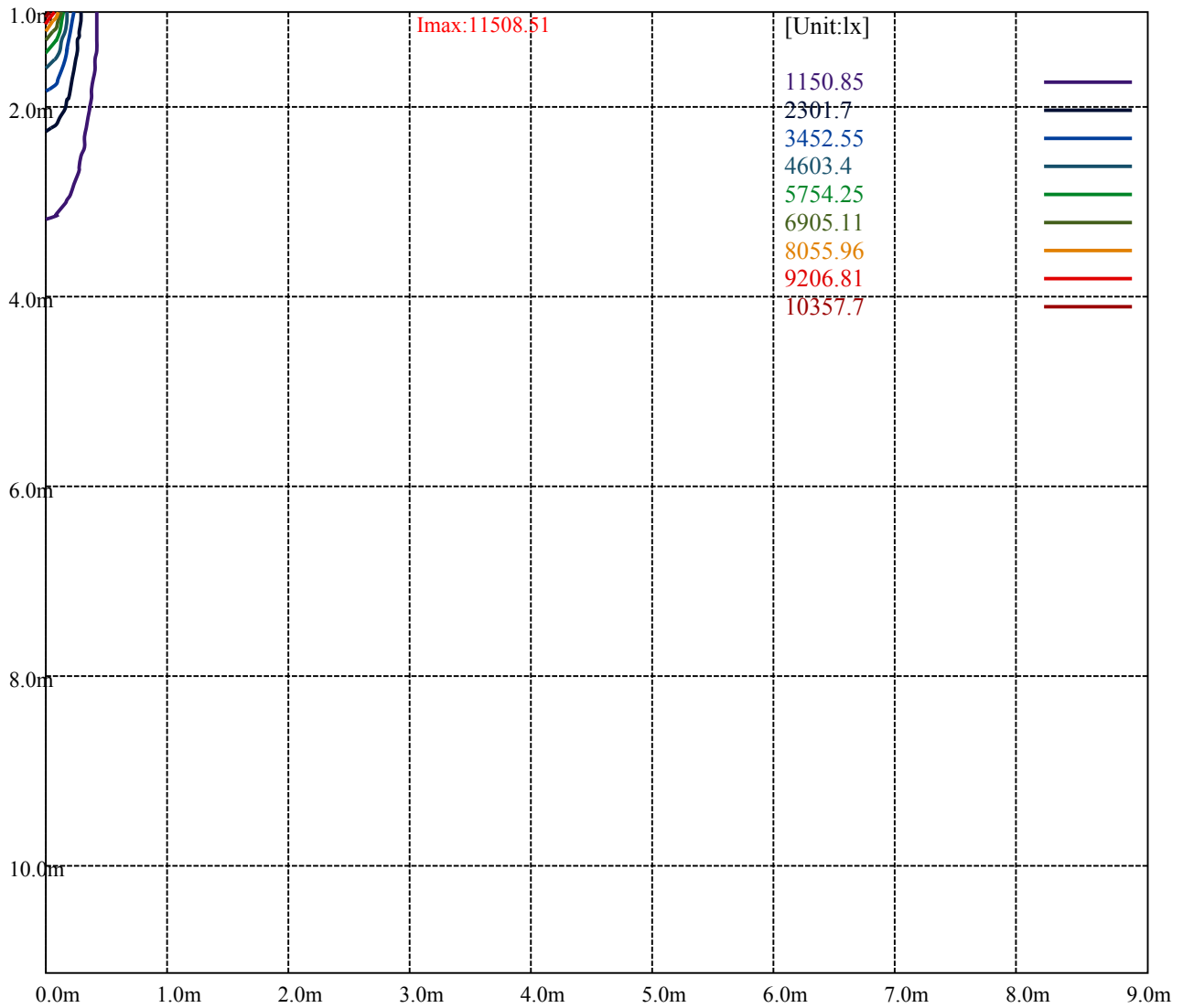
[Unit:cd]

Road

Imax:11508.51

(10%Imax)	1150.85	—
(20%Imax)	2301.7	—
(30%Imax)	3452.55	—
(40%Imax)	4603.4	—
(50%Imax)	5754.25	—
(60%Imax)	6905.11	—
(70%Imax)	8055.96	—
(80%Imax)	9206.81	—
(90%Imax)	10357.7	—





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

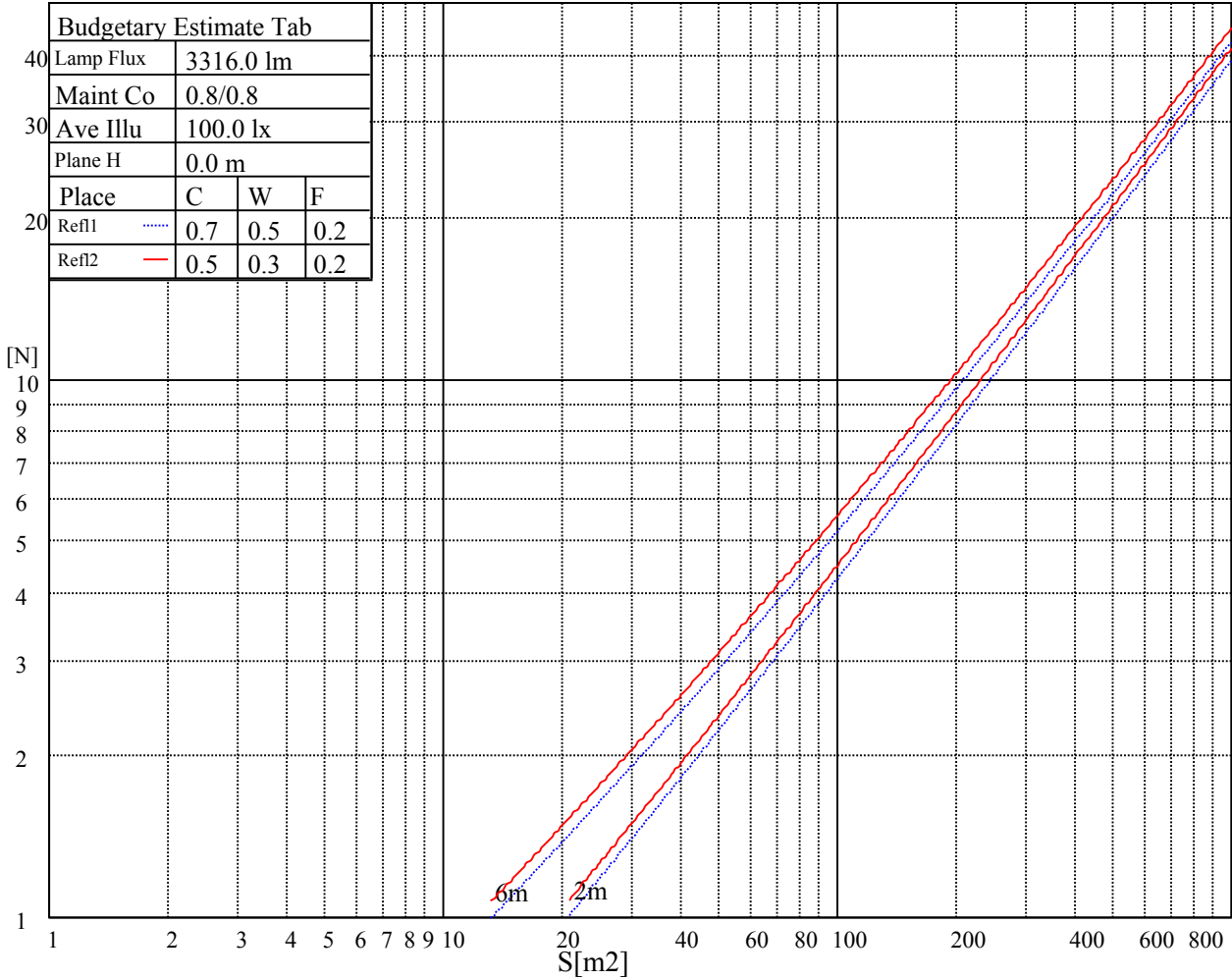
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

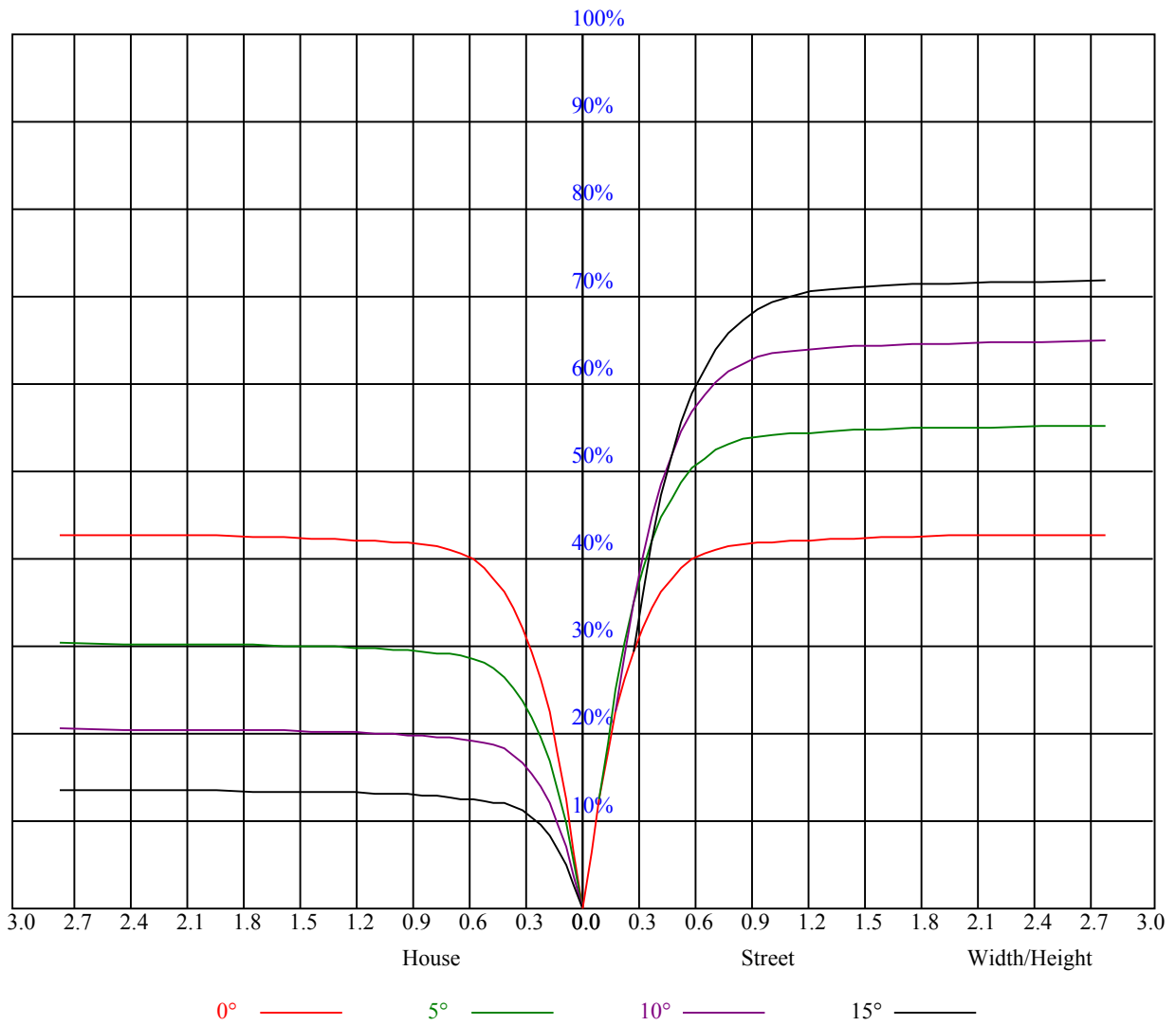


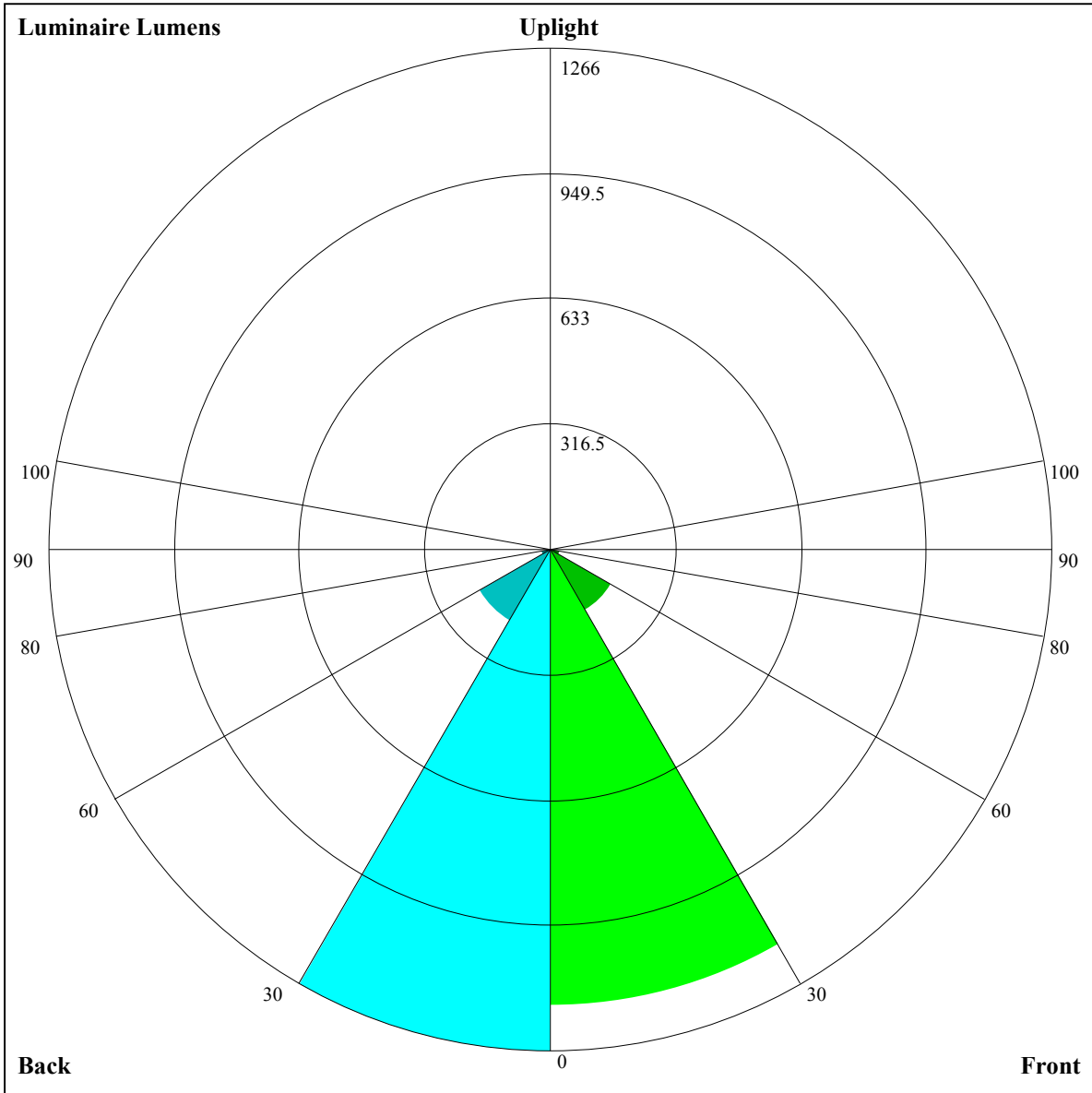
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.03	1.03	1.03	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.93	0.91	0.91	0.89	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82
2	0.91	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.61
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	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	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55





Luminaire Lumens:

FL=1151.64,FM=176.5,FH=22.61,FVH=7.33

BL=1266,BM=206.23,BH=24.05,BVH=7.47

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	11281.44	10817.94	10297.09	9659.20	8721.08	7918.15	6908.05	6208.13	5588.96
45.0	11653.06	11333.47	10882.84	10367.85	9554.38	8805.30	8003.54	7195.93	6306.38
90.0	11443.55	10915.68	10408.29	9790.29	9069.29	8107.77	7318.88	6426.41	5792.62
135.0	11655.98	11655.98	11193.01	10584.38	9999.15	9326.15	8588.76	7582.18	6815.53
180.0	11281.44	11610.92	11658.91	11658.91	11228.13	10619.49	10081.09	9437.34	8489.27
225.0	11653.06	11653.06	11484.51	11064.32	10531.18	9978.73	9157.66	8373.46	7536.59
270.0	11443.55	11658.91	11658.91	11830.91	10970.63	10438.07	9876.26	9220.81	8266.89
315.0	11655.98	11612.09	11284.95	10847.79	10324.60	9686.70	8804.18	7979.60	6927.95
360.0	11281.44	10817.94	10297.09	9659.20	8721.08	7918.15	6908.05	6208.13	5588.96
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4960.43	4509.22	4121.21	3772.42	3399.05	3137.45	2888.73	2664.59	2420.55
45.0	5703.60	5182.75	4697.02	4193.72	3848.44	3462.19	3192.99	2999.86	2999.86
90.0	5254.79	4651.43	4246.45	3890.05	3574.61	3233.43	2971.25	2743.59	2546.96
135.0	5978.66	5434.40	4936.96	4386.85	4018.15	3696.28	3415.37	3075.94	3005.72
180.0	7664.11	6862.35	6002.07	5428.55	4942.81	4392.70	4012.30	3684.58	3327.59
225.0	6734.83	5904.98	5345.50	4870.30	4443.09	3977.83	3662.40	3376.81	3046.15
270.0	7441.72	6481.95	5861.61	5305.65	4714.57	4316.62	3942.08	3532.42	3251.51
315.0	6191.15	5580.76	4947.55	4510.97	4125.89	3694.58	3395.53	3132.18	2889.90
360.0	4960.43	4509.22	4121.21	3772.42	3399.05	3137.45	2888.73	2664.59	2420.55
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2242.64	2078.78	1883.90	1741.10	1604.16	1444.98	1282.87	1167.76	1146.28
45.0	2474.98	2295.31	2084.04	1924.28	1777.97	1636.93	1502.92	1367.14	1283.46
90.0	2316.38	2142.57	1979.87	1794.36	1656.25	1524.57	1391.72	1149.26	1149.26
135.0	3005.72	2442.20	2215.72	2045.42	1891.51	1747.54	1577.83	1458.44	1360.71
180.0	3070.09	3005.72	3005.72	2393.04	2209.87	2047.76	1892.68	1711.84	1568.46
225.0	2805.63	2592.02	2360.27	2190.56	2022.60	1826.55	1686.09	1553.25	1406.35
270.0	2999.86	2999.86	2526.47	2336.86	2156.03	1988.65	1834.15	1652.73	1518.72
315.0	2616.60	2418.79	2239.71	2072.34	1876.29	1729.40	1590.70	1430.93	1270.00
360.0	2242.64	2078.78	1883.90	1741.10	1604.16	1444.98	1282.87	1167.76	1146.28
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1046.67	947.89	845.83	719.89	625.02	525.71	433.36	328.72	255.10
45.0	1198.60	1099.11	976.80	875.56	747.39	649.66	556.02	441.32	358.22
90.0	1097.30	997.93	895.10	793.57	669.32	570.77	474.44	383.21	286.47
135.0	1255.37	1164.66	1065.75	933.49	834.59	732.17	634.44	517.40	427.27
180.0	1451.42	1334.37	1253.61	1154.12	1027.13	915.35	809.42	707.60	583.53
225.0	1152.25	1152.25	1125.50	1026.02	891.36	785.08	687.41	565.74	468.12
270.0	1404.01	1289.89	1207.38	1079.80	973.29	867.95	734.52	633.86	538.47
315.0	1157.93	1133.87	1033.16	928.17	800.88	699.11	603.25	514.65	405.85
360.0	1046.67	947.89	845.83	719.89	625.02	525.71	433.36	328.72	255.10
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	192.01	130.21	98.67	86.03	78.77	74.27	70.34	66.66	64.02
45.0	298.52	298.52	139.40	105.22	94.28	87.96	83.10	74.91	71.51
90.0	219.11	161.58	110.61	96.68	89.31	84.27	77.02	71.51	68.59
135.0	343.00	302.62	302.62	127.58	98.03	91.18	84.21	78.65	72.68
180.0	488.72	399.18	299.69	299.69	212.96	107.56	91.24	85.68	80.06
225.0	361.43	284.01	218.05	148.71	108.50	91.65	85.15	80.06	74.97
270.0	444.24	340.66	303.79	303.79	144.67	101.89	90.12	83.86	77.72
315.0	326.03	252.58	189.09	125.53	96.80	86.85	80.18	76.25	71.28
360.0	192.01	130.21	98.67	86.03	78.77	74.27	70.34	66.66	64.02

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	61.51	58.70	57.53	56.18	54.89	53.96	53.02	52.73	52.26
45.0	68.18	65.72	63.50	61.80	59.22	57.88	57.47	56.59	55.65
90.0	65.72	63.15	61.27	59.52	57.88	57.00	55.95	55.25	54.72
135.0	69.41	65.90	63.26	60.75	59.17	56.77	55.71	55.25	54.48
180.0	74.15	69.82	67.42	64.90	62.50	60.34	59.17	57.59	56.47
225.0	71.28	68.35	65.25	62.97	60.75	58.70	56.83	55.42	55.25
270.0	74.03	71.28	67.48	64.78	61.98	59.63	58.35	56.94	55.48
315.0	68.12	65.43	63.38	60.98	58.87	57.00	55.42	55.01	54.25
360.0	61.51	58.70	57.53	56.18	54.89	53.96	53.02	52.73	52.26
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.79	51.21	48.81	46.41	43.19	39.09	36.05	32.66	29.20
45.0	55.07	54.66	53.84	51.97	49.04	45.30	41.55	38.62	34.06
90.0	54.43	53.31	51.62	48.57	45.00	41.38	37.63	34.24	30.02
135.0	53.67	53.43	52.90	52.14	50.15	46.53	42.78	39.09	36.46
180.0	55.60	54.66	54.48	54.31	53.37	52.67	51.09	48.63	43.54
225.0	54.37	53.84	53.43	53.08	52.49	50.33	46.41	42.84	39.15
270.0	54.13	53.61	53.49	53.31	51.79	50.62	48.92	44.71	40.91
315.0	53.43	52.79	52.49	51.79	49.63	47.23	44.01	39.50	36.81
360.0	51.79	51.21	48.81	46.41	43.19	39.09	36.05	32.66	29.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.52	23.35	21.83	21.01	20.13	19.55	19.02	18.49	18.08
45.0	29.73	26.80	24.05	22.53	21.48	20.78	20.19	19.61	18.96
90.0	26.92	24.17	22.53	21.59	20.89	20.13	19.61	19.08	18.43
135.0	31.66	28.03	25.52	23.58	22.06	21.24	20.54	19.84	19.31
180.0	40.26	37.57	32.25	28.79	25.98	23.35	22.18	21.36	20.54
225.0	36.23	31.54	27.74	24.93	22.59	21.48	20.60	19.96	19.43
270.0	37.81	33.88	29.67	26.80	23.88	22.24	21.30	20.48	19.90
315.0	33.30	28.50	25.87	23.70	22.18	21.19	20.48	19.96	19.43
360.0	25.52	23.35	21.83	21.01	20.13	19.55	19.02	18.49	18.08
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.73	17.26	17.03	16.68	16.27	15.92	15.51	15.10	14.63
45.0	18.55	18.14	17.79	17.38	16.97	16.68	16.15	15.74	15.33
90.0	18.08	17.62	17.26	16.91	16.56	16.15	15.68	15.27	14.86
135.0	18.67	18.26	17.85	17.50	17.09	16.74	16.39	15.92	15.33
180.0	19.96	19.31	18.84	18.43	17.97	17.56	17.15	16.80	16.39
225.0	18.79	18.38	17.97	17.62	17.26	16.85	16.56	16.21	15.74
270.0	19.31	18.90	18.43	17.91	17.56	17.21	16.85	16.39	16.04
315.0	18.84	18.43	17.91	17.56	17.26	16.85	16.44	16.04	15.63
360.0	17.73	17.26	17.03	16.68	16.27	15.92	15.51	15.10	14.63
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	13.23	12.99	12.64	12.35	12.17	12.17
45.0	14.81	14.46	13.93	13.58	13.23	12.87	12.58	12.23	12.11
90.0	14.34	13.99	13.58	13.23	12.99	12.64	12.35	12.06	12.11
135.0	14.98	14.51	14.05	13.58	13.23	12.93	12.76	12.41	12.11
180.0	15.86	15.33	14.98	14.51	13.99	13.64	13.28	12.99	12.70
225.0	15.27	14.81	14.40	13.99	13.64	13.28	12.99	12.70	12.35
270.0	15.63	15.22	14.69	14.34	13.87	13.46	13.17	12.87	12.58
315.0	15.16	14.69	14.28	13.87	13.52	13.23	12.87	12.58	12.29
360.0	14.28	13.93	13.58	13.23	12.99	12.64	12.35	12.17	12.17

Intensity data(cd)

C/ γ (°)	90.0
0.0	12.11
45.0	12.11
90.0	12.11
135.0	12.17
180.0	12.41
225.0	12.17
270.0	12.29
315.0	12.06
360.0	12.11