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NT

Client:

LumCAT: 2-2679-L

Luminaire: 92.70.412.00

Report No: 2024226-B013

Ballast type: AC

Test No: 2024226-C013

Voltage(V): 35.930

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3301.0

Power (W): 25.186

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2778.56, Efficiency(%): 84.17% , Luminous Efficacy(lm/W): 110.32

Central intensity(cd): 8917.279, Maximum intensity(cd): 8917.279

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.6

[C90/270]Total=24.6

Field angle(10%Imax): [C0/180]Total=61.2

[C90/270]Total=61.2

Maximum s/h(1/2): C0\_180=0.41 C90\_270=0.41

Maximum s/h(1/4): C0\_180=0.48 C90\_270=0.48

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.17%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.716%

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	8917.278	0.000	0	0.00%	0.00%
1.0	8832.347	8.493	8.493	0.26%	0.31%
2.0	8591.308	25.008	33.501	0.76%	1.21%
3.0	8266.874	40.319	73.82	1.22%	2.66%
4.0	7855.973	53.968	127.788	1.63%	4.60%
5.0	7403.886	65.647	193.436	1.99%	6.96%
6.0	6983.695	75.611	269.046	2.29%	9.68%
7.0	6552.164	84.017	353.063	2.55%	12.71%
8.0	6151.724	90.919	443.982	2.75%	15.98%
9.0	5693.932	96.003	539.985	2.91%	19.43%
10.0	5311.122	99.592	639.577	3.02%	23.02%
11.0	4929.774	102.328	741.904	3.10%	26.70%
12.0	4584.199	104.001	845.906	3.15%	30.44%
13.0	4205.559	104.312	950.218	3.16%	34.20%
14.0	3872.639	103.400	1053.618	3.13%	37.92%
15.0	3578.563	102.293	1155.912	3.10%	41.60%
16.0	3278.782	100.479	1256.391	3.04%	45.22%
17.0	3023.916	98.150	1354.541	2.97%	48.75%
18.0	2771.830	95.559	1450.1	2.89%	52.19%
19.0	2572.415	92.979	1543.079	2.82%	55.54%
20.0	2372.195	90.500	1633.579	2.74%	58.79%
21.0	2182.948	87.468	1721.047	2.65%	61.94%
22.0	2028.595	84.633	1805.68	2.56%	64.99%
23.0	1883.605	82.089	1887.768	2.49%	67.94%
24.0	1754.124	79.534	1967.302	2.41%	70.80%
25.0	1614.767	76.601	2043.903	2.32%	73.56%
26.0	1459.800	72.576	2116.479	2.20%	76.17%
27.0	1324.942	68.129	2184.608	2.06%	78.62%
28.0	1210.545	64.193	2248.801	1.94%	80.93%
29.0	1102.769	60.523	2309.324	1.83%	83.11%
30.0	964.268	55.810	2365.134	1.69%	85.12%
31.0	836.228	50.105	2415.239	1.52%	86.92%
32.0	710.617	44.315	2459.554	1.34%	88.52%
33.0	595.488	38.478	2498.033	1.17%	89.90%
34.0	486.790	32.753	2530.786	0.99%	91.08%
35.0	385.868	27.102	2557.887	0.82%	92.06%
36.0	308.538	22.110	2579.997	0.67%	92.85%
37.0	252.883	18.310	2598.308	0.55%	93.51%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	180.681	14.472	2612.779	0.44%	94.03%
39.0	145.663	11.139	2623.918	0.34%	94.43%
40.0	100.344	8.580	2632.498	0.26%	94.74%
41.0	86.730	6.662	2639.16	0.20%	94.98%
42.0	77.008	5.949	2645.109	0.18%	95.20%
43.0	70.659	5.470	2650.579	0.17%	95.39%
44.0	65.187	5.127	2655.706	0.16%	95.58%
45.0	60.739	4.839	2660.545	0.15%	95.75%
46.0	56.343	4.579	2665.124	0.14%	95.92%
47.0	52.700	4.337	2669.461	0.13%	96.07%
48.0	49.488	4.131	2673.592	0.13%	96.22%
49.0	46.628	3.947	2677.539	0.12%	96.36%
50.0	44.097	3.783	2681.322	0.11%	96.50%
51.0	41.741	3.632	2684.953	0.11%	96.63%
52.0	39.898	3.503	2688.457	0.11%	96.76%
53.0	38.332	3.403	2691.86	0.10%	96.88%
54.0	37.103	3.325	2695.184	0.10%	97.00%
55.0	36.152	3.270	2698.454	0.10%	97.12%
56.0	35.662	3.245	2701.7	0.10%	97.23%
57.0	35.589	3.258	2704.957	0.10%	97.35%
58.0	35.874	3.305	2708.262	0.10%	97.47%
59.0	36.350	3.377	2711.639	0.10%	97.59%
60.0	36.730	3.453	2715.091	0.10%	97.72%
61.0	36.730	3.506	2718.597	0.11%	97.84%
62.0	36.130	3.511	2722.108	0.11%	97.97%
63.0	34.711	3.445	2725.553	0.10%	98.09%
64.0	32.531	3.300	2728.853	0.10%	98.21%
65.0	30.117	3.100	2731.953	0.09%	98.32%
66.0	27.681	2.884	2734.837	0.09%	98.43%
67.0	25.267	2.662	2737.499	0.08%	98.52%
68.0	23.358	2.463	2739.962	0.07%	98.61%
69.0	22.070	2.318	2742.28	0.07%	98.69%
70.0	21.127	2.219	2744.498	0.07%	98.77%
71.0	20.395	2.146	2746.644	0.07%	98.85%
72.0	19.715	2.086	2748.73	0.06%	98.93%
73.0	19.239	2.037	2750.767	0.06%	99.00%
74.0	18.808	2.000	2752.767	0.06%	99.07%
75.0	18.391	1.965	2754.733	0.06%	99.14%

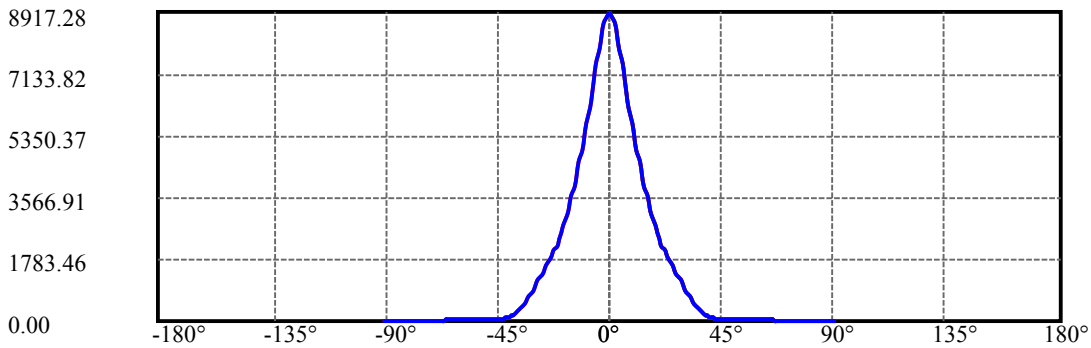
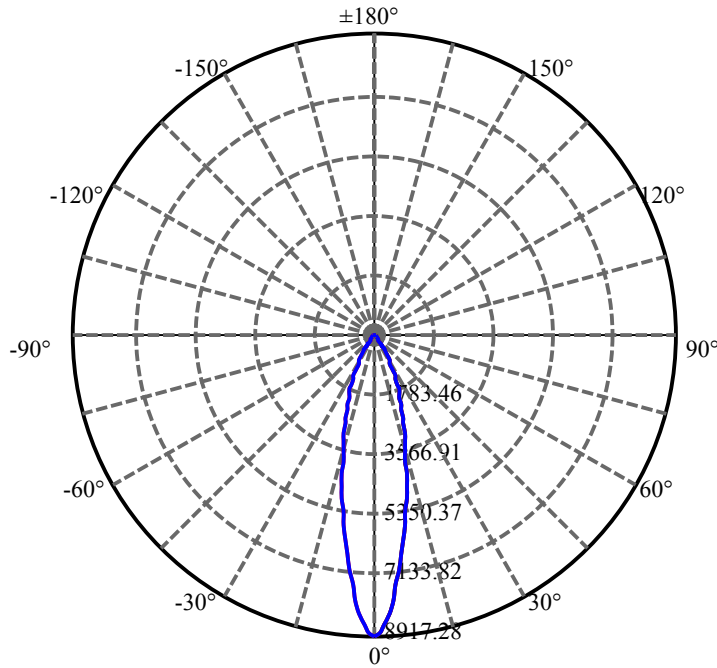
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.959	1.930	2756.662	0.06%	99.21%
77.0	17.513	1.891	2758.553	0.06%	99.28%
78.0	17.008	1.848	2760.401	0.06%	99.35%
79.0	16.430	1.797	2762.198	0.05%	99.41%
80.0	15.808	1.738	2763.936	0.05%	99.47%
81.0	15.223	1.678	2765.614	0.05%	99.53%
82.0	14.594	1.617	2767.231	0.05%	99.59%
83.0	14.053	1.557	2768.788	0.05%	99.65%
84.0	13.606	1.507	2770.295	0.05%	99.70%
85.0	13.146	1.460	2771.755	0.04%	99.76%
86.0	12.809	1.419	2773.174	0.04%	99.81%
87.0	12.480	1.384	2774.558	0.04%	99.86%
88.0	12.217	1.353	2775.911	0.04%	99.90%
89.0	12.056	1.330	2777.241	0.04%	99.95%
90.0	11.975	1.318	2778.559	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2365.13	71.65%	85.12%
0-40	2632.50	79.75%	94.74%
0-60	2715.09	82.25%	97.72%
0-90	2777.24	84.13%	99.95%
0-120	2777.24	84.13%	99.95%
0-180	2778.56	84.17%	100.00%
60-90	62.15	1.88%	2.24%
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%
0-27.60	2222.85	67.34%	80.00%

ZONAL LUMEN SUMMARY

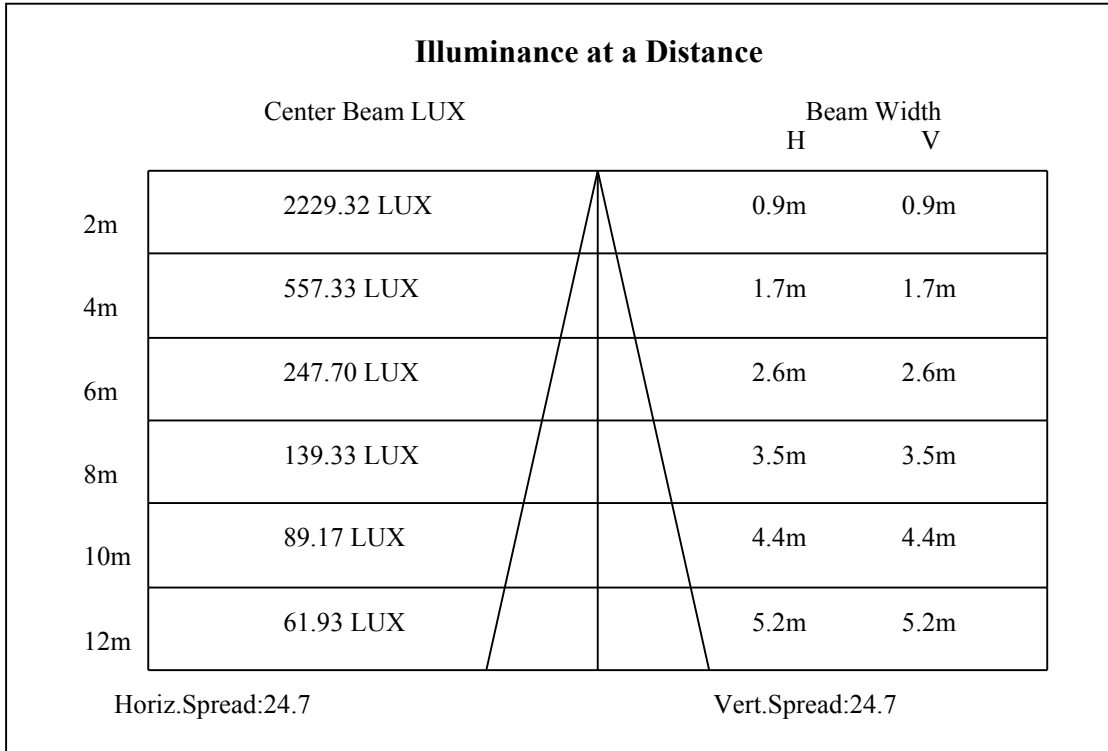
0-10	639.58
10-20	994.00
20-30	731.55
30-40	267.36
40-50	48.82
50-60	33.77
60-70	29.41
70-80	19.44
80-90	13.31
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

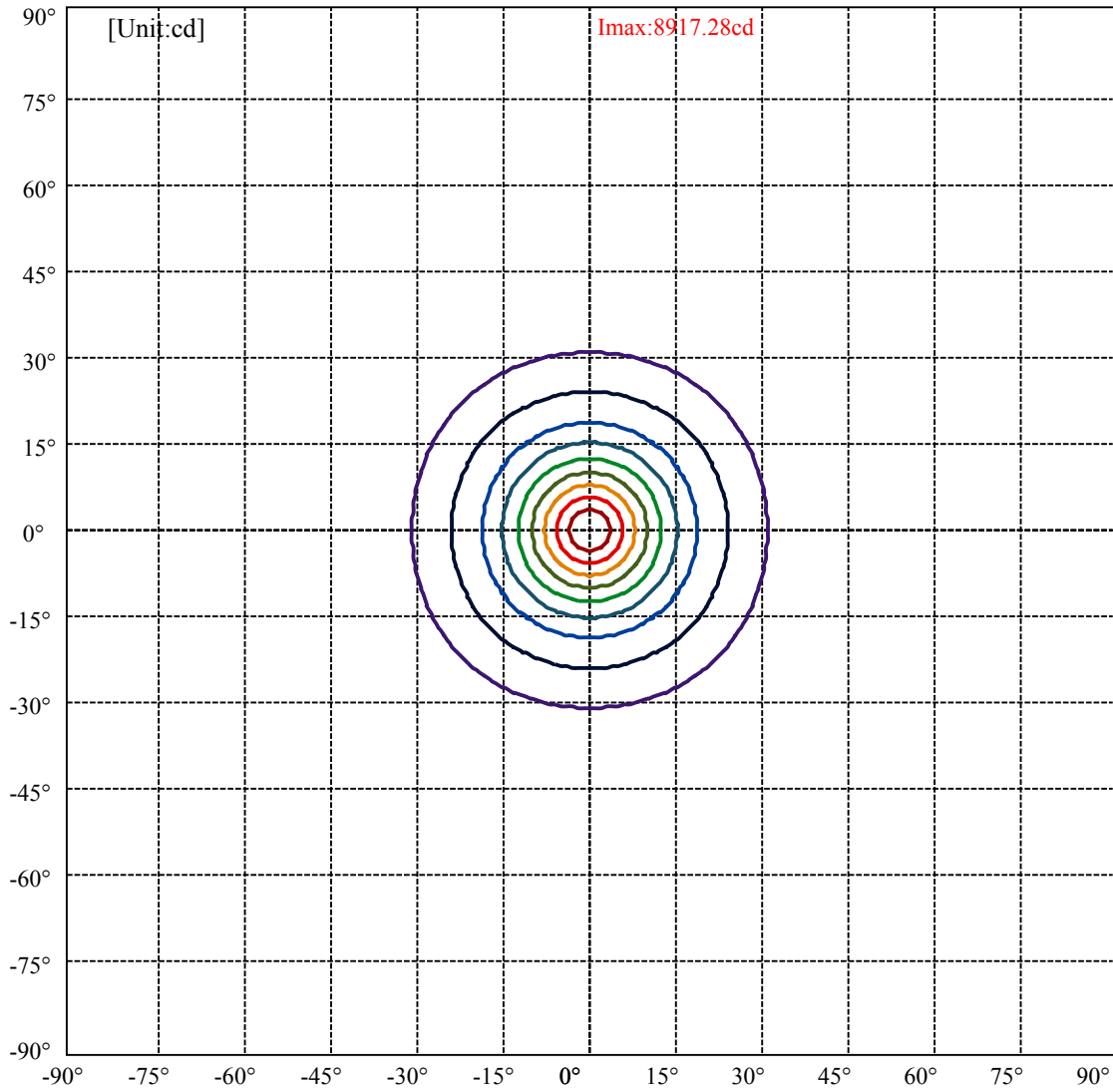


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:30.6 Right:30.6  
:C90/270Left:30.6 Right:30.6

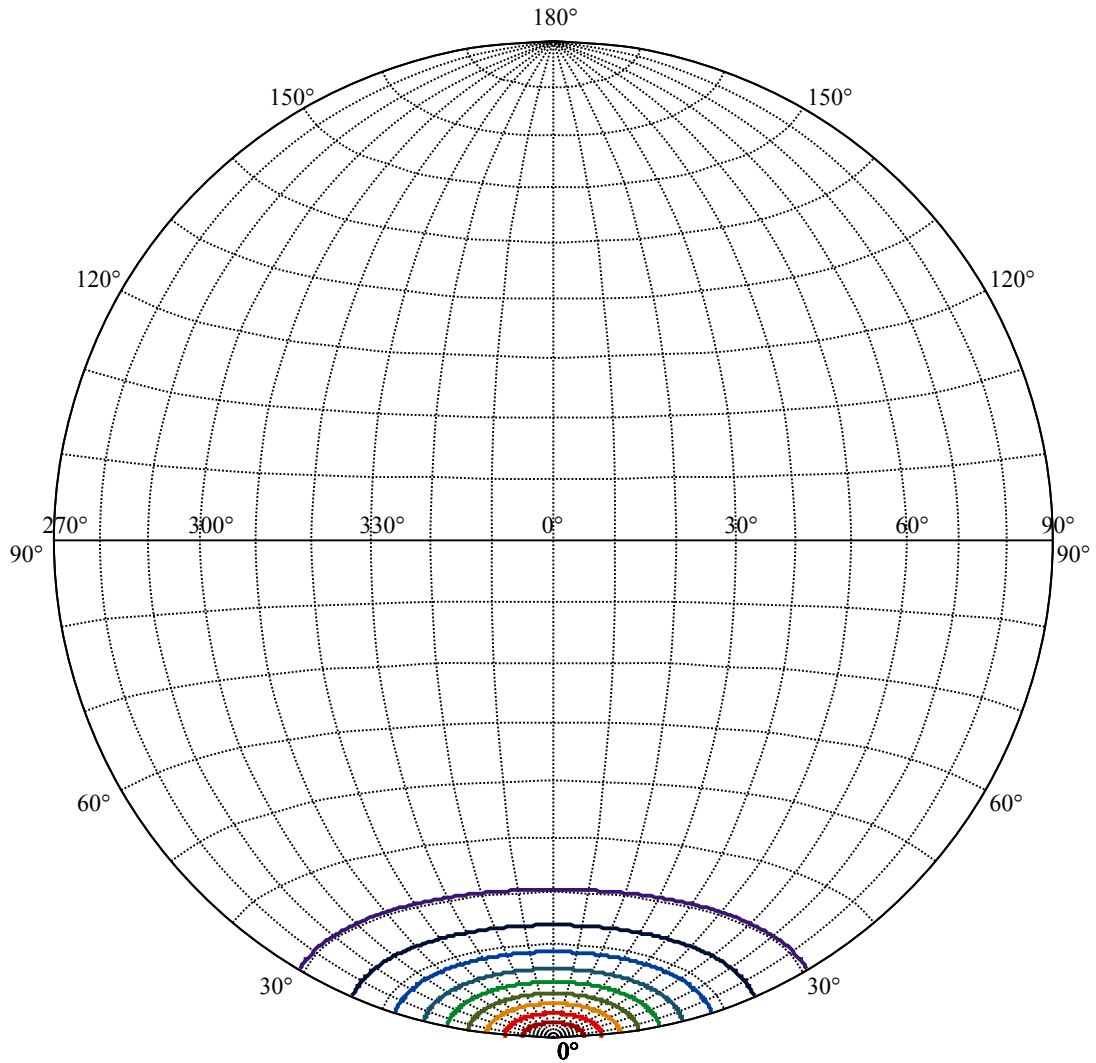
Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3  
:C90/270Left:12.3 Right:12.3





(10%Imax) 891.728	—
(20%Imax) 1783.46	—
(30%Imax) 2675.18	—
(40%Imax) 3566.91	—
(50%Imax) 4458.64	—
(60%Imax) 5350.37	—
(70%Imax) 6242.1	—
(80%Imax) 7133.82	—
(90%Imax) 8025.55	—





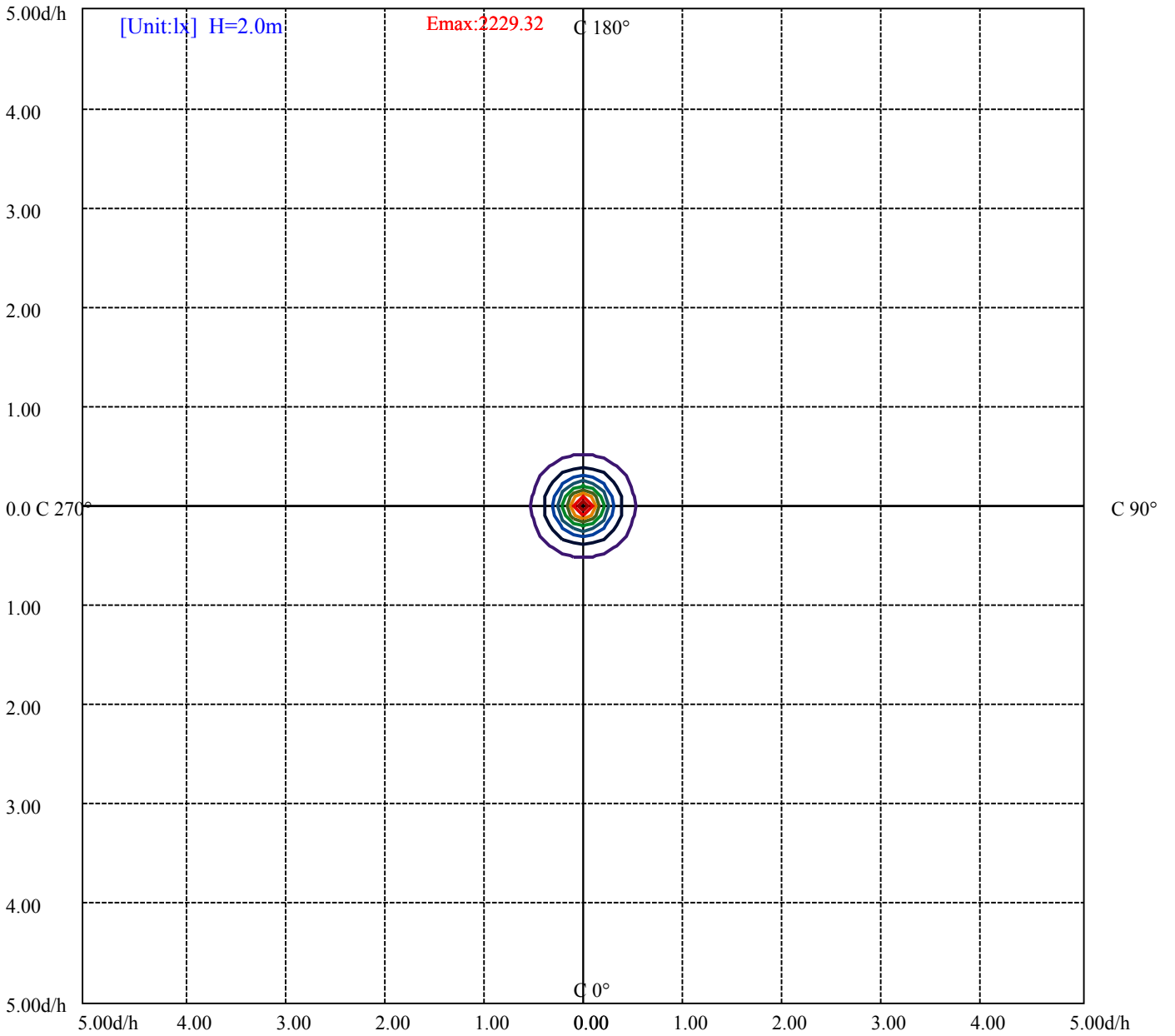
House

[Unit:cd]

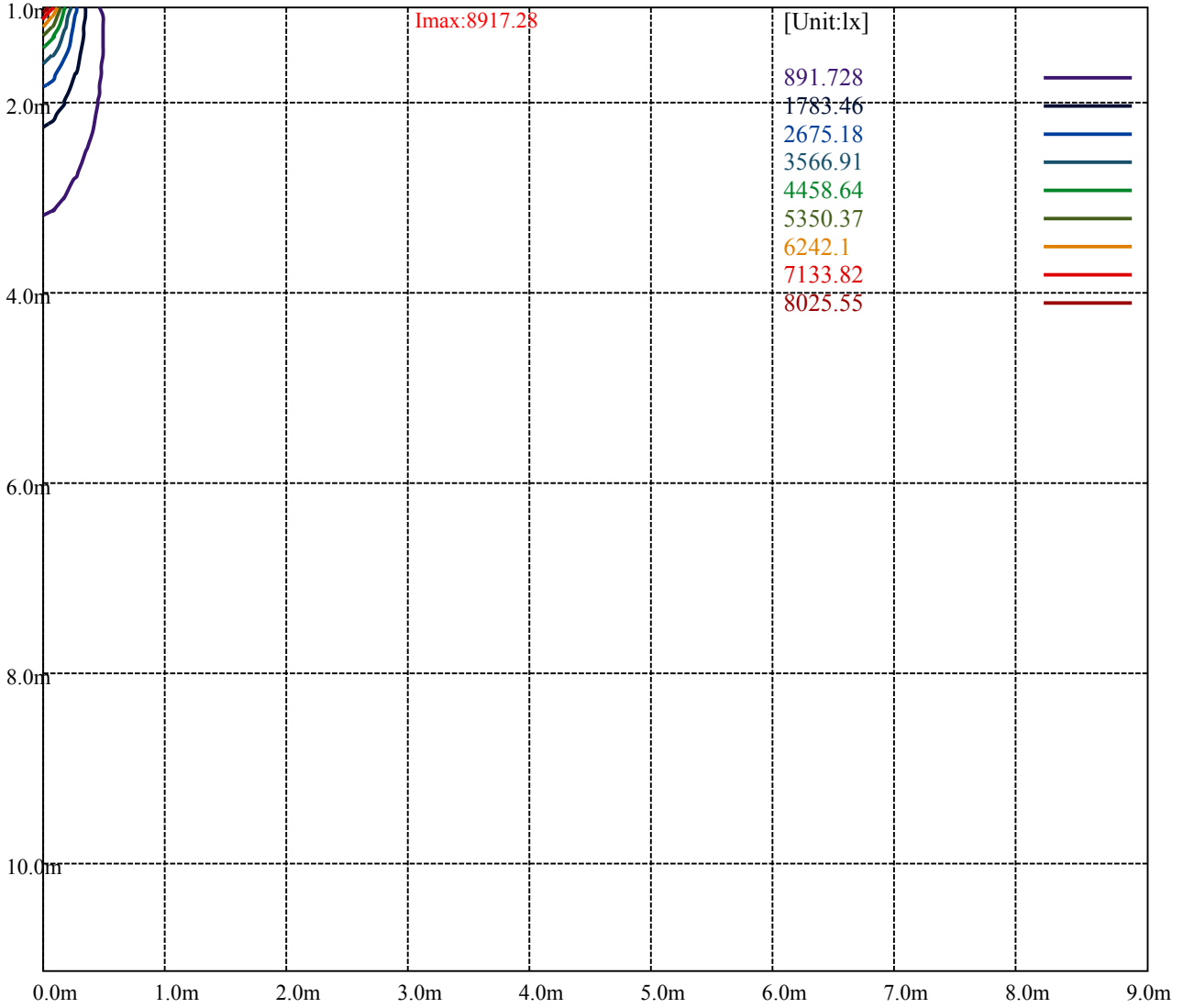
Road

**Imax:8917.28**

(10%Imax)	891.728	—
(20%Imax)	1783.46	—
(30%Imax)	2675.18	—
(40%Imax)	3566.91	—
(50%Imax)	4458.64	—
(60%Imax)	5350.37	—
(70%Imax)	6242.1	—
(80%Imax)	7133.82	—
(90%Imax)	8025.55	—



- (10%Emax) 222.9317
- (20%Emax) 445.8625
- (30%Emax) 668.795
- (40%Emax) 891.7275
- (50%Emax) 1114.657
- (60%Emax) 1337.59
- (70%Emax) 1560.522
- (80%Emax) 1783.453
- (90%Emax) 2006.385



Luminance Table

$\gamma$	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

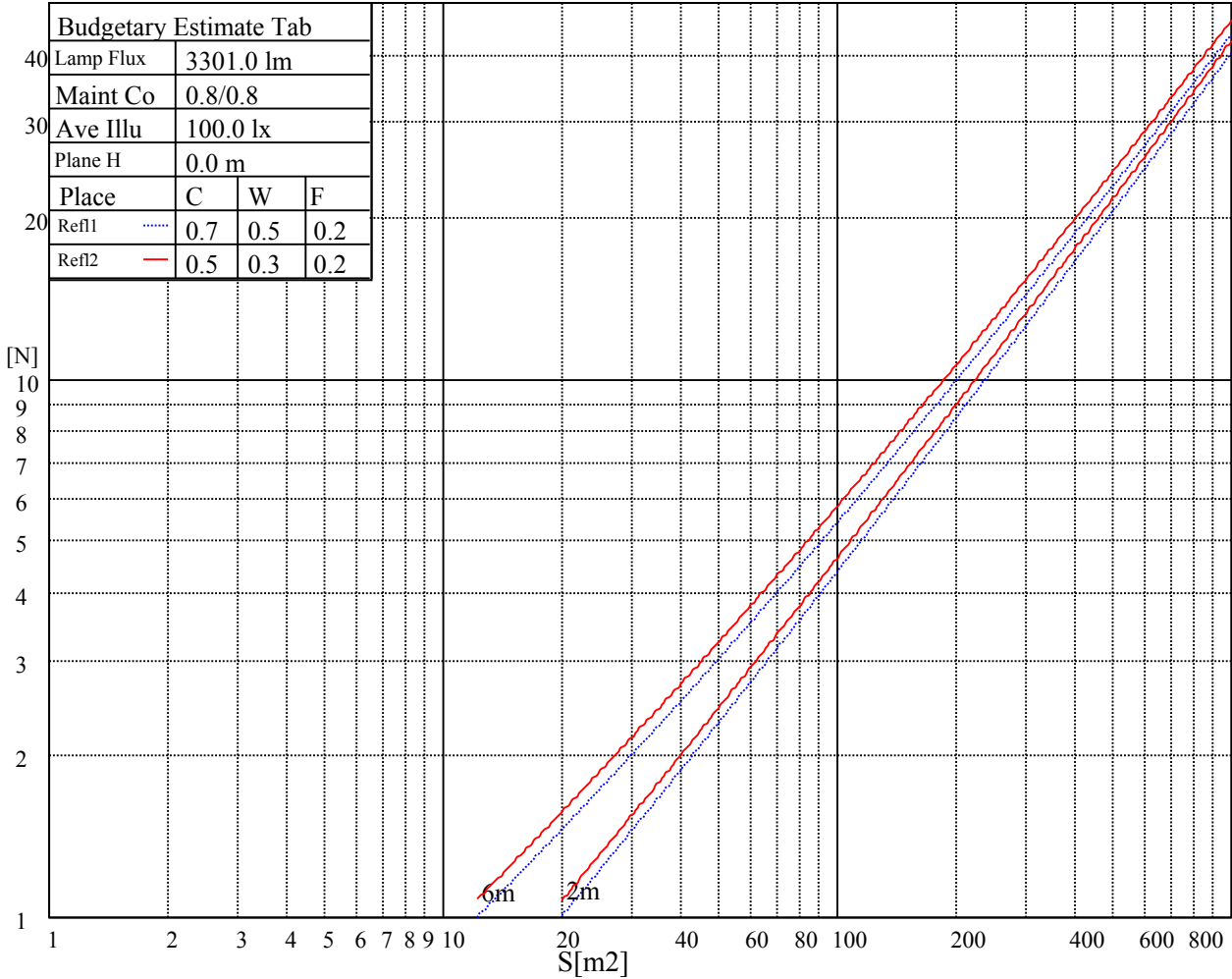
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

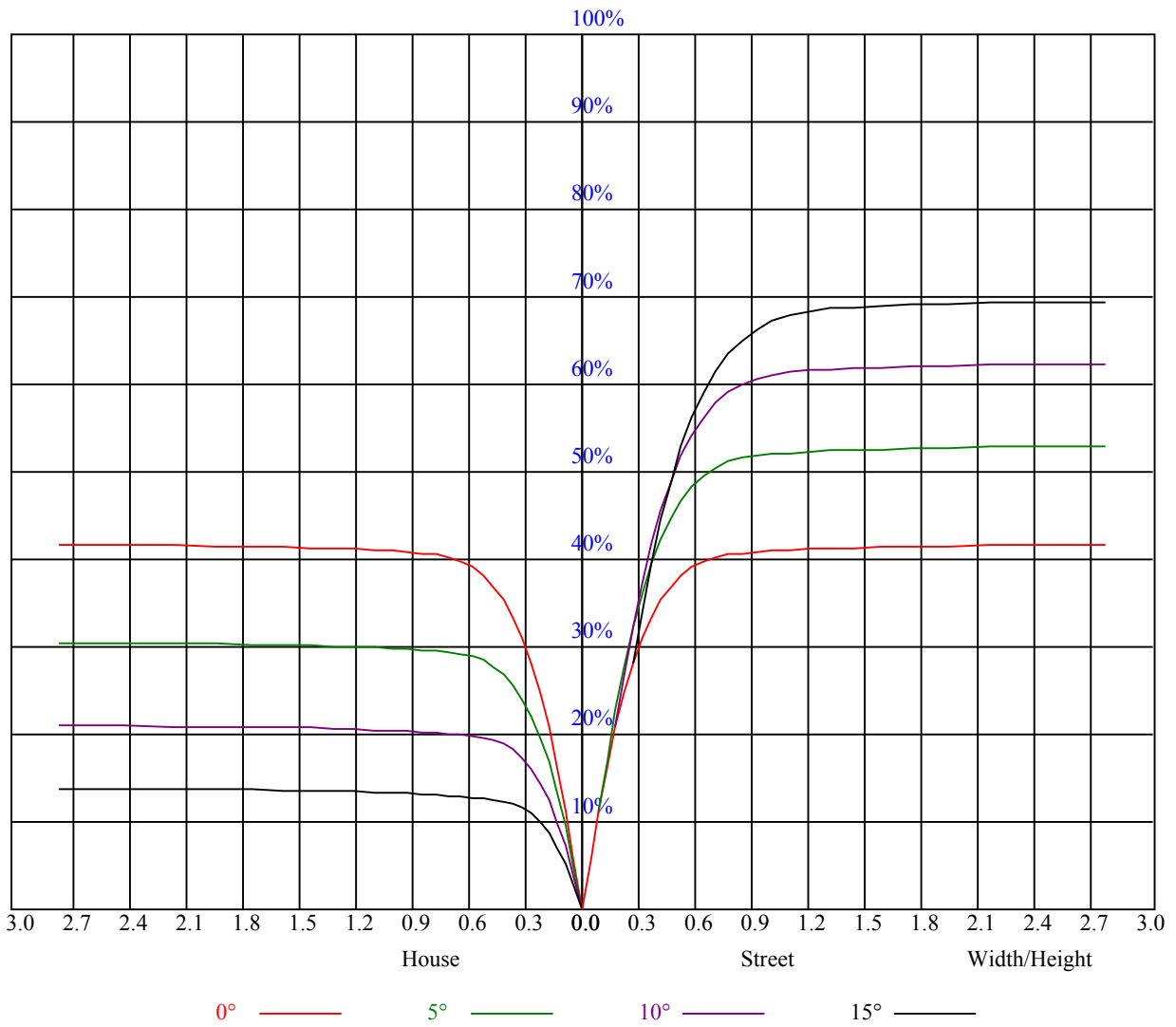


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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	
	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				

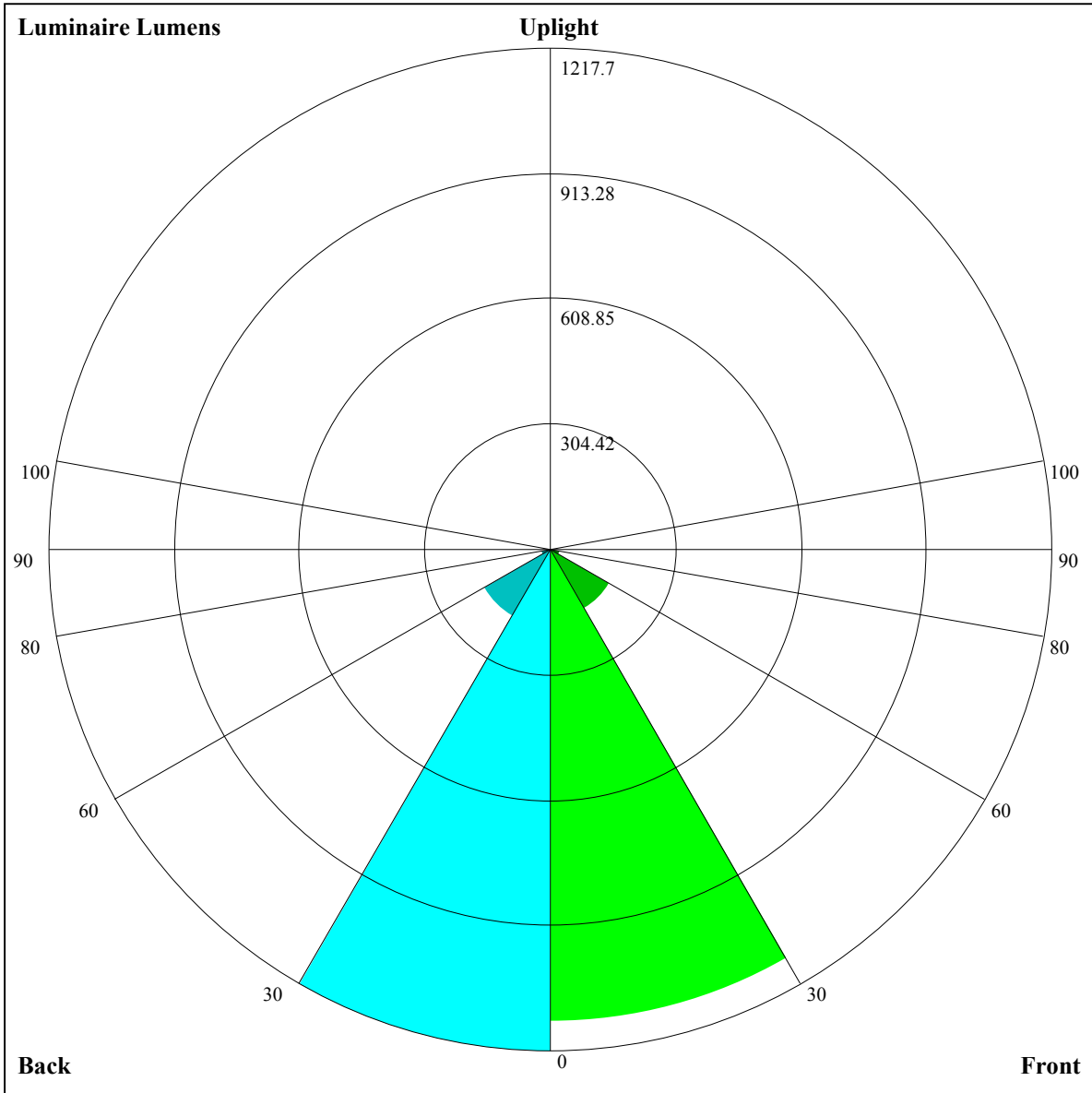
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.00	1.00	1.00	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	0.89	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	0.82	0.84	0.82	0.80	0.82	0.80	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	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.70	0.68	0.66	0.65
6	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
7	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
8	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.54
10	0.61	0.56	0.54	0.60	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.58	0.55	0.53	0.52







Luminaire Lumens:

FL=1147.53,FM=164.77,FH=24.04,FVH=7.25

BL=1217.7,BM=187.29,BH=24.7,BVH=7.39

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	8739.22	8439.00	7988.96	7589.84	7171.99	6668.70	6274.84	5884.50	5505.27
45.0	8979.75	8876.75	8629.79	8206.08	7804.62	7387.35	6978.28	6474.40	6084.06
90.0	8948.15	8675.43	8350.05	7964.39	7548.88	7034.46	6623.05	6226.27	5835.34
135.0	9001.99	8952.25	8690.65	8370.53	7986.04	7469.87	7056.12	6645.29	6248.51
180.0	8739.22	8925.32	8942.88	8786.63	8423.79	8065.04	7673.53	7262.70	6841.34
225.0	8979.75	8886.11	8646.76	8326.05	7847.34	7435.93	6915.66	6501.91	6101.61
270.0	8948.15	9010.18	8911.28	8670.17	8230.66	7846.76	7438.85	6923.27	6504.25
315.0	9001.99	8893.72	8570.09	8221.30	7834.47	7322.98	6909.22	6498.98	6093.42
360.0	8739.22	8439.00	7988.96	7589.84	7171.99	6668.70	6274.84	5884.50	5505.27
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5047.04	4693.56	4357.64	4034.60	3665.32	3394.95	3078.34	2852.45	2644.69
45.0	5703.08	5333.21	4883.76	4539.65	4209.00	3823.33	3532.48	3202.41	2965.98
90.0	5363.65	4997.88	4561.30	4228.89	3920.48	3558.81	3291.36	3042.06	2768.17
135.0	5768.04	5397.59	5039.43	4687.13	4271.03	3955.59	3659.47	3317.70	3070.15
180.0	6332.78	5947.11	5566.72	5193.35	4742.14	4406.22	4091.37	3710.97	3432.40
225.0	5715.95	5247.77	4892.54	4553.69	4231.24	3856.69	3574.61	3313.60	3072.49
270.0	6010.90	5635.19	5257.13	4897.22	4471.18	4152.82	3847.91	3562.91	3242.21
315.0	5610.03	5236.65	4879.66	4539.06	4134.09	3832.70	3552.96	3228.16	2995.24
360.0	5047.04	4693.56	4357.64	4034.60	3665.32	3394.95	3078.34	2852.45	2644.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2411.77	2239.71	2082.87	1903.80	1777.39	1663.85	1549.73	1336.13	1166.18
45.0	2752.96	2555.15	2329.25	2161.29	2009.72	1872.19	1717.11	1600.65	1477.75
90.0	2569.78	2383.68	2211.62	2014.99	1873.95	1745.78	1632.84	1487.12	1163.49
135.0	2792.75	2591.43	2405.92	2193.48	2041.32	1901.45	1774.46	1628.15	1512.28
180.0	3121.65	2899.26	2691.51	2440.45	2279.51	2127.35	1972.27	1823.03	1703.06
225.0	2795.09	2594.95	2367.88	2206.94	2058.29	1886.82	1765.68	1656.25	1548.56
270.0	3006.36	2789.83	2545.79	2366.71	2194.07	2009.72	1880.39	1757.49	1622.89
315.0	2724.28	2525.30	2342.71	2175.93	1994.51	1861.66	1740.52	1629.32	1484.19
360.0	2411.77	2239.71	2082.87	1903.80	1777.39	1663.85	1549.73	1336.13	1166.18
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1133.76	1014.55	891.47	746.69	638.95	510.96	416.04	332.76	242.81
45.0	1347.25	1186.89	1062.83	939.34	791.87	675.99	546.07	448.93	362.31
90.0	1163.49	1069.38	947.13	798.66	682.90	573.87	472.10	361.67	282.02
135.0	1377.68	1251.85	1096.18	971.53	855.07	738.61	605.18	506.86	391.57
180.0	1600.06	1482.43	1329.10	1201.53	1067.51	914.18	791.87	677.75	546.66
225.0	1303.94	1138.73	1138.73	1018.00	863.62	745.81	632.63	503.18	409.77
270.0	1511.11	1378.26	1258.29	1096.18	968.61	848.63	729.83	590.55	488.14
315.0	1162.26	1162.26	1098.41	942.21	821.30	676.87	570.18	472.63	363.66
360.0	1133.76	1014.55	891.47	746.69	638.95	510.96	416.04	332.76	242.81
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	181.54	132.14	105.34	91.94	83.45	76.61	70.99	65.08	60.92
45.0	303.79	303.79	146.60	110.90	94.46	83.39	75.90	70.05	65.08
90.0	214.43	160.53	109.14	91.53	82.98	75.26	67.83	63.03	57.88
135.0	309.06	309.06	156.02	112.30	92.23	82.93	73.21	67.18	62.21
180.0	447.76	361.14	302.03	302.03	141.74	104.23	85.44	77.43	70.34
225.0	328.37	239.83	176.56	128.52	95.33	85.38	77.43	70.87	64.61
270.0	396.26	295.01	295.01	212.67	114.29	96.56	85.62	78.01	71.92
315.0	287.11	221.57	154.73	115.41	98.26	89.48	79.65	73.62	68.53
360.0	181.54	132.14	105.34	91.94	83.45	76.61	70.99	65.08	60.92

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	57.12	52.90	49.92	46.64	44.36	42.37	40.20	38.86	37.69
45.0	59.87	56.30	52.09	49.04	46.29	43.89	41.38	39.62	37.86
90.0	54.19	50.97	47.46	44.95	42.72	40.67	38.62	37.28	36.17
135.0	58.11	53.37	50.10	47.17	43.89	41.73	39.39	37.81	36.52
180.0	64.96	59.58	55.89	52.55	48.81	46.23	43.89	41.26	39.44
225.0	60.51	56.88	52.79	49.86	47.23	44.24	42.14	40.32	38.51
270.0	67.13	61.74	58.00	54.48	51.32	47.87	45.35	43.13	41.14
315.0	64.02	58.99	55.36	51.21	48.40	45.76	42.96	40.91	39.33
360.0	57.12	52.90	49.92	46.64	44.36	42.37	40.20	38.86	37.69
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.93	36.40	36.52	36.93	37.40	37.81	37.51	36.75	35.11
45.0	36.64	35.82	35.23	35.05	35.41	35.87	36.46	36.64	36.11
90.0	35.29	34.76	34.65	35.05	35.76	36.34	36.58	36.11	35.00
135.0	35.46	34.59	34.29	34.24	34.65	35.35	35.99	36.11	35.58
180.0	37.86	36.40	35.46	34.94	34.65	34.94	35.41	35.93	36.34
225.0	37.34	36.40	35.82	35.70	36.05	36.58	37.16	37.45	36.99
270.0	39.27	37.98	36.93	36.46	36.46	36.87	37.28	37.63	37.45
315.0	38.04	36.87	36.40	36.34	36.64	37.04	37.45	37.22	36.46
360.0	36.93	36.40	36.52	36.93	37.40	37.81	37.51	36.75	35.11
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.07	29.85	26.98	24.99	23.29	21.95	21.13	20.48	19.96
45.0	34.94	32.42	30.14	27.74	25.05	23.35	22.18	21.30	20.48
90.0	32.48	30.14	27.62	25.34	23.06	21.83	20.95	20.25	19.66
135.0	34.24	32.19	29.55	26.98	24.87	22.71	21.42	20.60	19.84
180.0	36.11	35.23	33.59	30.96	28.44	25.57	23.70	22.24	21.07
225.0	35.82	33.30	31.08	28.44	25.63	23.82	22.47	21.71	21.24
270.0	36.40	34.70	32.60	30.14	26.98	24.93	23.17	21.71	20.89
315.0	34.65	32.42	29.38	26.86	24.81	22.71	21.54	20.72	20.01
360.0	33.07	29.85	26.98	24.99	23.29	21.95	21.13	20.48	19.96
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.31	18.79	18.32	17.85	17.38	16.74	16.04	15.51	14.98
45.0	19.78	19.20	18.73	18.26	17.85	17.32	16.80	16.27	15.74
90.0	19.14	18.67	18.26	17.73	17.32	16.74	16.27	15.74	15.10
135.0	19.25	18.84	18.43	17.97	17.62	17.21	16.68	16.04	15.57
180.0	20.42	20.31	20.25	20.19	19.84	19.96	19.55	18.73	17.62
225.0	20.42	19.66	19.08	18.55	18.14	17.56	17.15	16.62	16.09
270.0	20.07	19.61	19.08	18.67	18.14	17.67	17.21	16.74	16.09
315.0	19.31	18.84	18.32	17.91	17.38	16.91	16.39	15.80	15.27
360.0	19.31	18.79	18.32	17.85	17.38	16.74	16.04	15.51	14.98
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.46	13.93	13.58	13.17	12.64	12.35	12.11	11.94	12.00
45.0	15.16	14.51	13.99	13.58	13.11	12.64	12.35	12.11	12.00
90.0	14.69	14.16	13.75	13.23	12.76	12.47	12.23	12.06	12.00
135.0	14.98	14.40	13.81	13.46	12.99	12.70	12.47	12.23	12.06
180.0	16.62	15.57	14.69	14.10	13.69	13.28	12.82	12.47	12.17
225.0	15.51	14.92	14.34	13.81	13.34	12.99	12.58	12.29	12.06
270.0	15.57	14.98	14.46	14.05	13.52	13.23	12.82	12.41	12.11
315.0	14.81	14.28	13.81	13.46	13.11	12.82	12.47	12.23	12.06
360.0	14.46	13.93	13.58	13.17	12.64	12.35	12.11	11.94	12.00

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	12.00
45.0	11.94
90.0	12.00
135.0	12.00
180.0	12.00
225.0	11.94
270.0	11.94
315.0	12.00
360.0	12.00