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NT

Client:

LumCAT: 3-2808-L

Luminaire: 92.70.412.00

Report No: 2024227-B024

Ballast type: AC

Test No: 2024227-C024

Voltage(V): 36.020

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3316.0

Power (W): 25.250

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2728.73, Efficiency(%): 82.29% , Luminous Efficacy(lm/W): 108.07

Central intensity(cd): 5250.405, Maximum intensity(cd): 5250.405

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

Beam Angle(50%Imax): [C0/180]Total=42.2

[C90/270]Total=42.2

Field angle(10%Imax): [C0/180]Total=66.0

[C90/270]Total=66.0

Maximum s/h(1/2): C0\_180=0.68 C90\_270=0.68

Maximum s/h(1/4): C0\_180=0.67 C90\_270=0.67

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.225%

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	5250.405	0.000	0	0.00%	0.00%
1.0	5243.236	5.021	5.021	0.15%	0.18%
2.0	5226.849	15.028	20.049	0.45%	0.73%
3.0	5195.174	24.926	44.975	0.75%	1.65%
4.0	5150.185	34.629	79.604	1.04%	2.92%
5.0	5092.979	44.066	123.67	1.33%	4.53%
6.0	5027.361	53.185	176.855	1.60%	6.48%
7.0	4955.305	61.962	238.817	1.87%	8.75%
8.0	4864.376	70.278	309.094	2.12%	11.33%
9.0	4762.546	78.021	387.115	2.35%	14.19%
10.0	4638.406	85.075	472.191	2.57%	17.30%
11.0	4512.143	91.433	563.623	2.76%	20.66%
12.0	4351.280	96.890	660.513	2.92%	24.21%
13.0	4197.146	101.448	761.961	3.06%	27.92%
14.0	4031.747	105.329	867.291	3.18%	31.78%
15.0	3847.255	108.166	975.457	3.26%	35.75%
16.0	3658.227	109.976	1085.433	3.32%	39.78%
17.0	3465.249	110.932	1196.365	3.35%	43.84%
18.0	3268.540	111.026	1307.391	3.35%	47.91%
19.0	3056.177	110.037	1417.428	3.32%	51.94%
20.0	2838.107	107.882	1525.31	3.25%	55.90%
21.0	2636.570	105.125	1630.434	3.17%	59.75%
22.0	2431.815	101.851	1732.286	3.07%	63.48%
23.0	2236.642	97.957	1830.243	2.95%	67.07%
24.0	2032.252	93.333	1923.576	2.81%	70.49%
25.0	1812.361	87.418	2010.994	2.64%	73.70%
26.0	1621.505	81.057	2092.051	2.44%	76.67%
27.0	1405.242	74.050	2166.101	2.23%	79.38%
28.0	1260.867	67.500	2233.601	2.04%	81.85%
29.0	1115.797	62.180	2295.781	1.88%	84.13%
30.0	957.165	55.970	2351.751	1.69%	86.18%
31.0	797.354	48.826	2400.577	1.47%	87.97%
32.0	658.086	41.697	2442.273	1.26%	89.50%
33.0	523.140	34.799	2477.073	1.05%	90.78%
34.0	407.792	28.173	2505.245	0.85%	91.81%
35.0	311.128	22.327	2527.572	0.67%	92.63%
36.0	244.353	17.687	2545.259	0.53%	93.28%
37.0	185.458	14.018	2559.277	0.42%	93.79%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	119.481	10.178	2569.456	0.31%	94.16%
39.0	84.902	6.976	2576.432	0.21%	94.42%
40.0	73.146	5.512	2581.944	0.17%	94.62%
41.0	65.779	4.947	2586.891	0.15%	94.80%
42.0	60.651	4.593	2591.484	0.14%	94.97%
43.0	56.343	4.334	2595.818	0.13%	95.13%
44.0	52.904	4.123	2599.941	0.12%	95.28%
45.0	49.759	3.945	2603.887	0.12%	95.42%
46.0	47.067	3.787	2607.673	0.11%	95.56%
47.0	44.777	3.653	2611.326	0.11%	95.70%
48.0	42.612	3.533	2614.859	0.11%	95.83%
49.0	40.732	3.423	2618.282	0.10%	95.95%
50.0	39.078	3.328	2621.609	0.10%	96.07%
51.0	37.776	3.252	2624.861	0.10%	96.19%
52.0	36.511	3.188	2628.048	0.10%	96.31%
53.0	35.545	3.134	2631.183	0.09%	96.43%
54.0	34.770	3.099	2634.282	0.09%	96.54%
55.0	34.206	3.079	2637.361	0.09%	96.65%
56.0	33.906	3.078	2640.439	0.09%	96.76%
57.0	33.797	3.096	2643.534	0.09%	96.88%
58.0	33.789	3.125	2646.66	0.09%	96.99%
59.0	33.797	3.160	2649.82	0.10%	97.11%
60.0	33.789	3.193	2653.013	0.10%	97.23%
61.0	33.724	3.222	2656.234	0.10%	97.34%
62.0	33.533	3.241	2659.475	0.10%	97.46%
63.0	33.387	3.255	2662.73	0.10%	97.58%
64.0	33.160	3.265	2665.995	0.10%	97.70%
65.0	32.853	3.267	2669.262	0.10%	97.82%
66.0	32.012	3.236	2672.499	0.10%	97.94%
67.0	30.812	3.159	2675.658	0.10%	98.06%
68.0	29.605	3.061	2678.718	0.09%	98.17%
69.0	28.903	2.985	2681.703	0.09%	98.28%
70.0	28.830	2.965	2684.668	0.09%	98.39%
71.0	28.654	2.971	2687.639	0.09%	98.49%
72.0	28.157	2.954	2690.593	0.09%	98.60%
73.0	27.593	2.915	2693.508	0.09%	98.71%
74.0	27.037	2.872	2696.38	0.09%	98.81%
75.0	26.489	2.828	2699.209	0.09%	98.92%

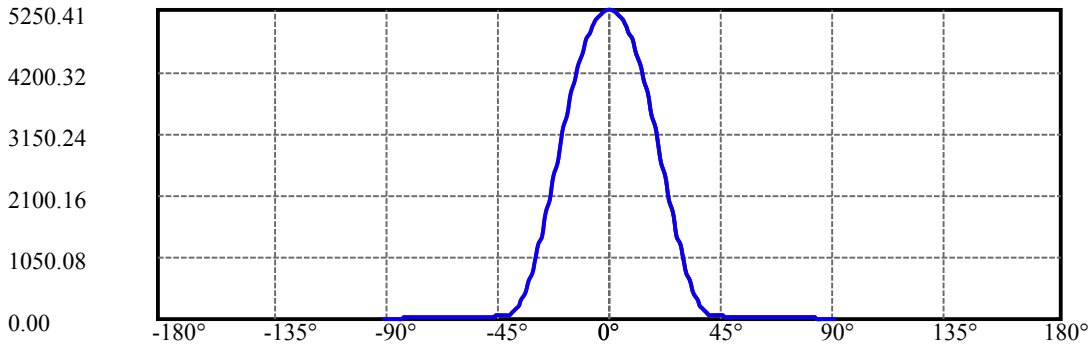
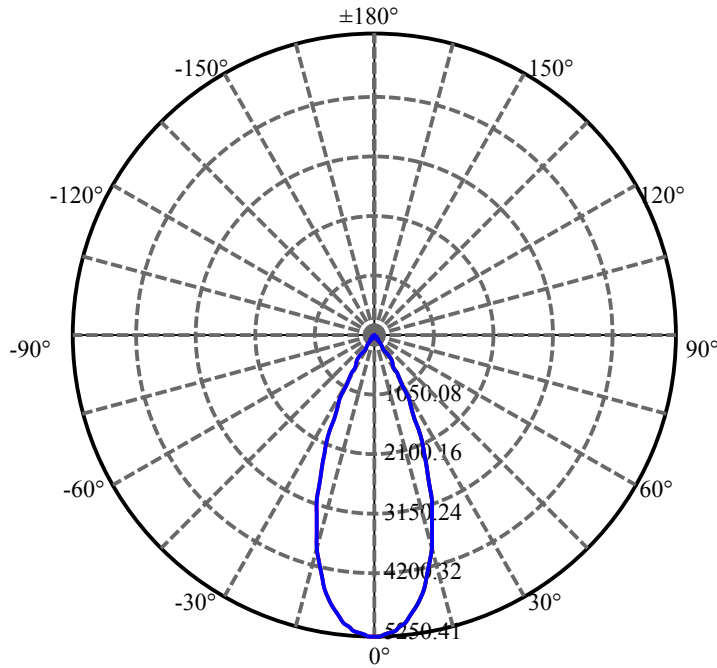
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	26.094	2.791	2702	0.08%	99.02%
77.0	25.494	2.750	2704.75	0.08%	99.12%
78.0	24.814	2.693	2707.443	0.08%	99.22%
79.0	23.767	2.610	2710.054	0.08%	99.32%
80.0	22.370	2.487	2712.541	0.08%	99.41%
81.0	20.271	2.306	2714.847	0.07%	99.49%
82.0	18.237	2.088	2716.935	0.06%	99.57%
83.0	15.984	1.860	2718.795	0.06%	99.64%
84.0	14.192	1.644	2720.439	0.05%	99.70%
85.0	13.372	1.504	2721.944	0.05%	99.75%
86.0	12.816	1.432	2723.375	0.04%	99.80%
87.0	12.399	1.380	2724.755	0.04%	99.85%
88.0	12.158	1.345	2726.1	0.04%	99.90%
89.0	11.961	1.322	2727.422	0.04%	99.95%
90.0	11.902	1.308	2728.731	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2351.75	70.92%	86.18%
0-40	2581.94	77.86%	94.62%
0-60	2653.01	80.01%	97.23%
0-90	2727.42	82.25%	99.95%
0-120	2727.42	82.25%	99.95%
0-180	2728.73	82.29%	100.00%
60-90	74.41	2.24%	2.73%
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%
0-27.25	2182.99	65.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	472.19
10-20	1053.12
20-30	826.44
30-40	230.19
40-50	39.67
50-60	31.40
60-70	31.66
70-80	27.87
80-90	14.88
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): —————

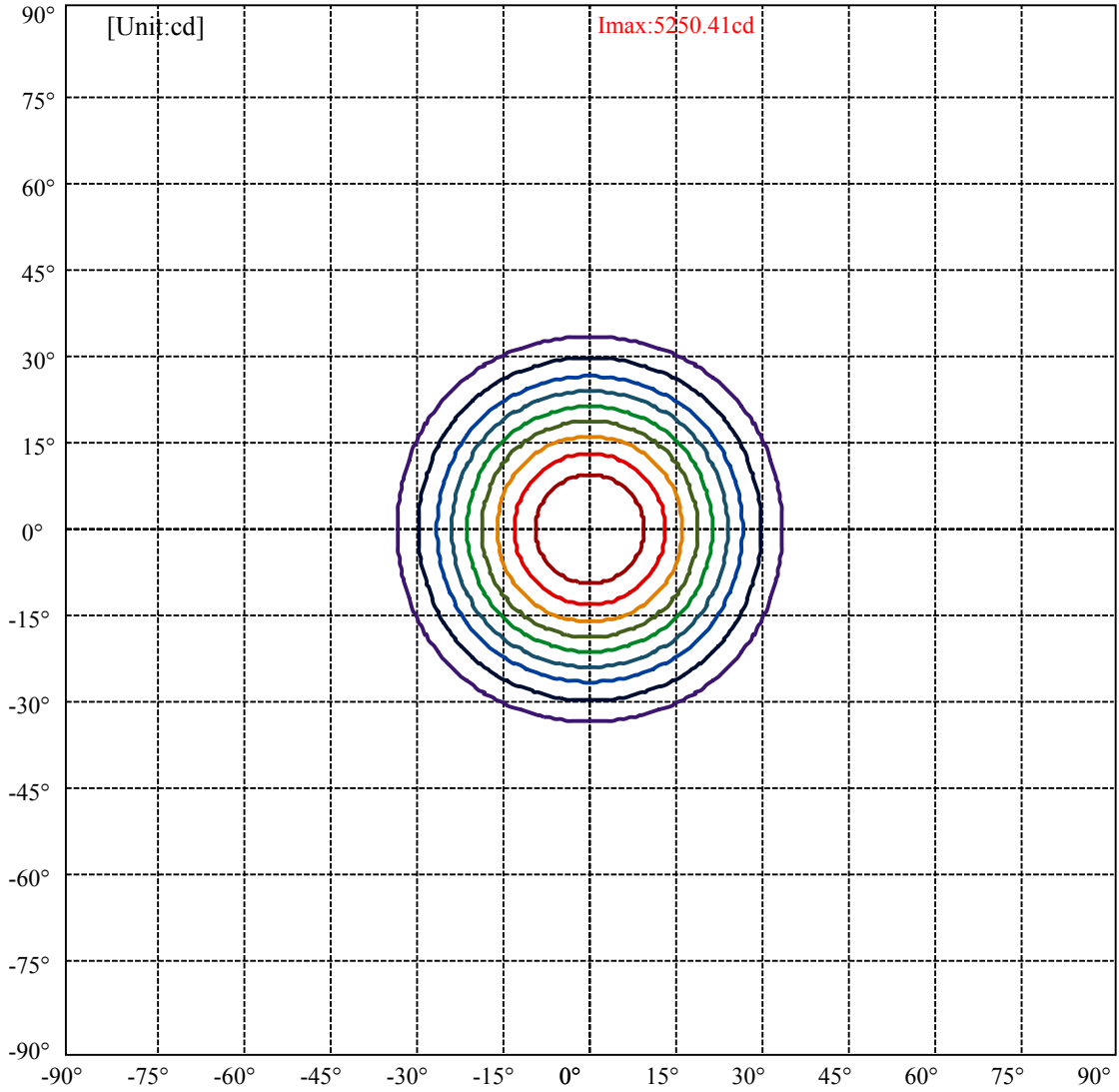
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:33.0 Right:33.0  
:C90/270Left:33.0 Right:33.0

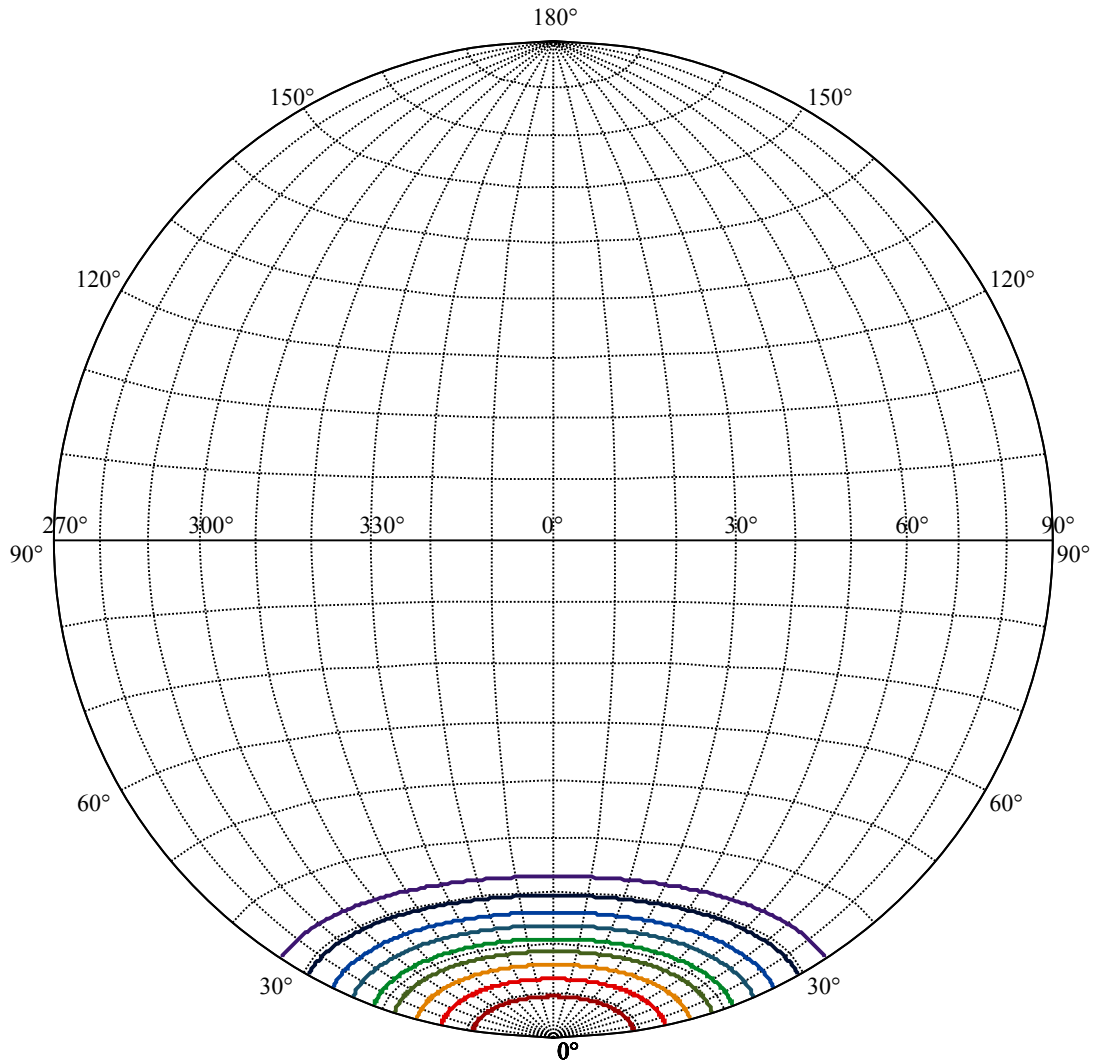
Beam Angle(50%Imax):C0/180Left:21.1 Right:21.1  
:C90/270Left:21.1 Right:21.1





(10%Imax) 525.041	—
(20%Imax) 1050.08	—
(30%Imax) 1575.12	—
(40%Imax) 2100.16	—
(50%Imax) 2625.2	—
(60%Imax) 3150.24	—
(70%Imax) 3675.28	—
(80%Imax) 4200.32	—
(90%Imax) 4725.36	—





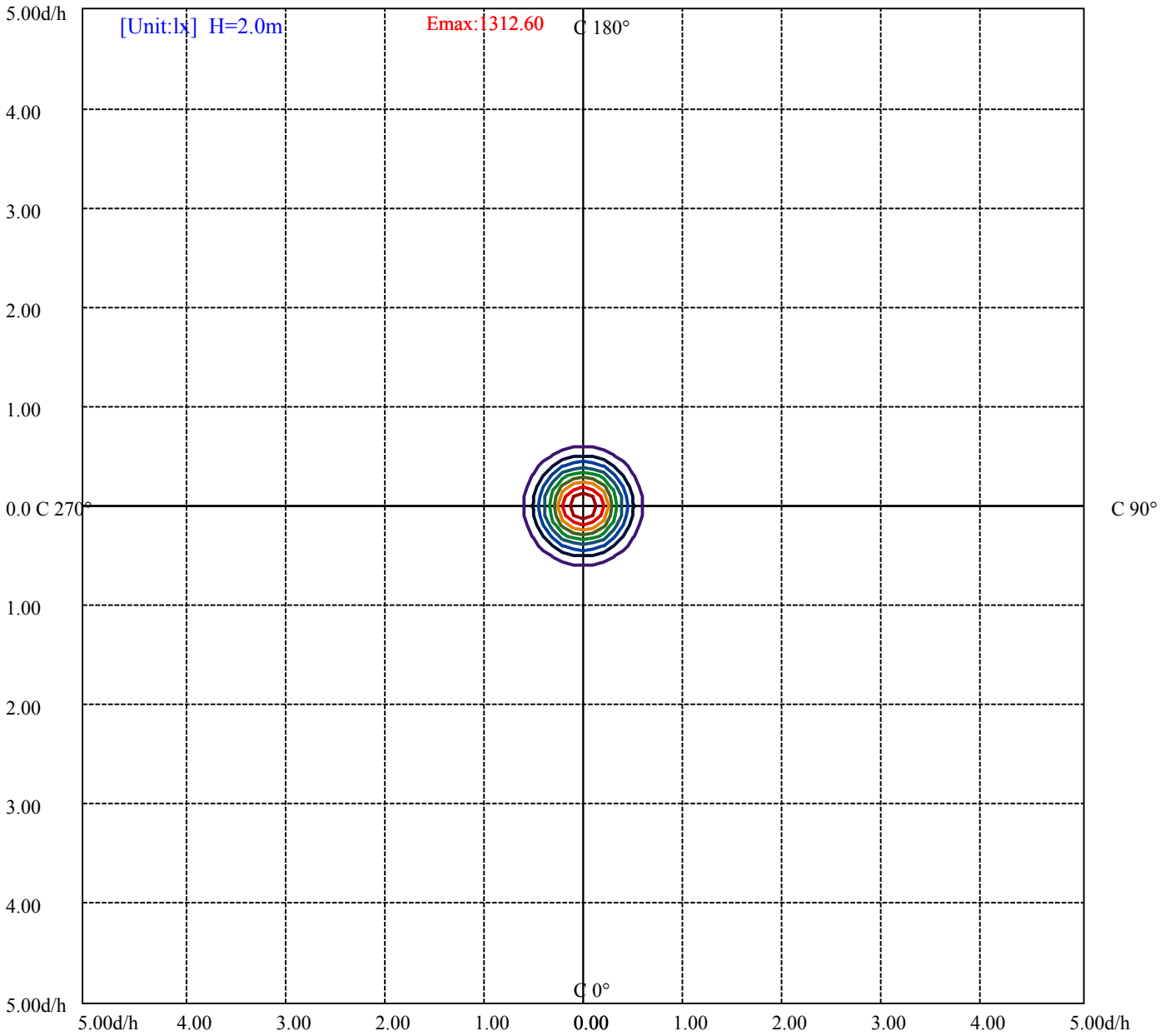
House

[Unit:cd]

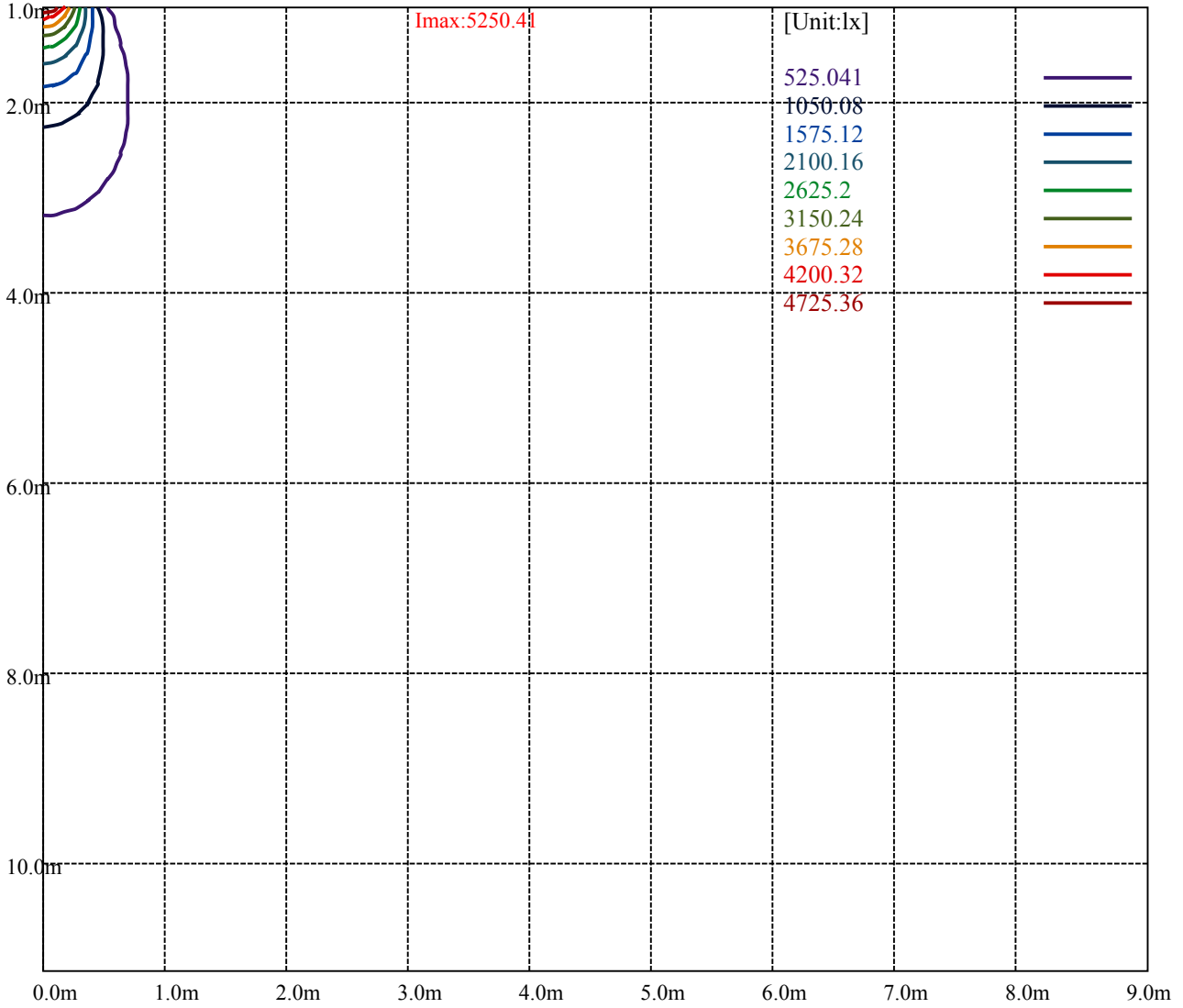
Road

**Imax:5250.41**

(10%Imax) 525.041	—
(20%Imax) 1050.08	—
(30%Imax) 1575.12	—
(40%Imax) 2100.16	—
(50%Imax) 2625.2	—
(60%Imax) 3150.24	—
(70%Imax) 3675.28	—
(80%Imax) 4200.32	—
(90%Imax) 4725.36	—



- (10%Emax) 131.26
- (20%Emax) 262.52
- (30%Emax) 393.78
- (40%Emax) 525.04
- (50%Emax) 656.3
- (60%Emax) 787.56
- (70%Emax) 918.82
- (80%Emax) 1050.08
- (90%Emax) 1181.34



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

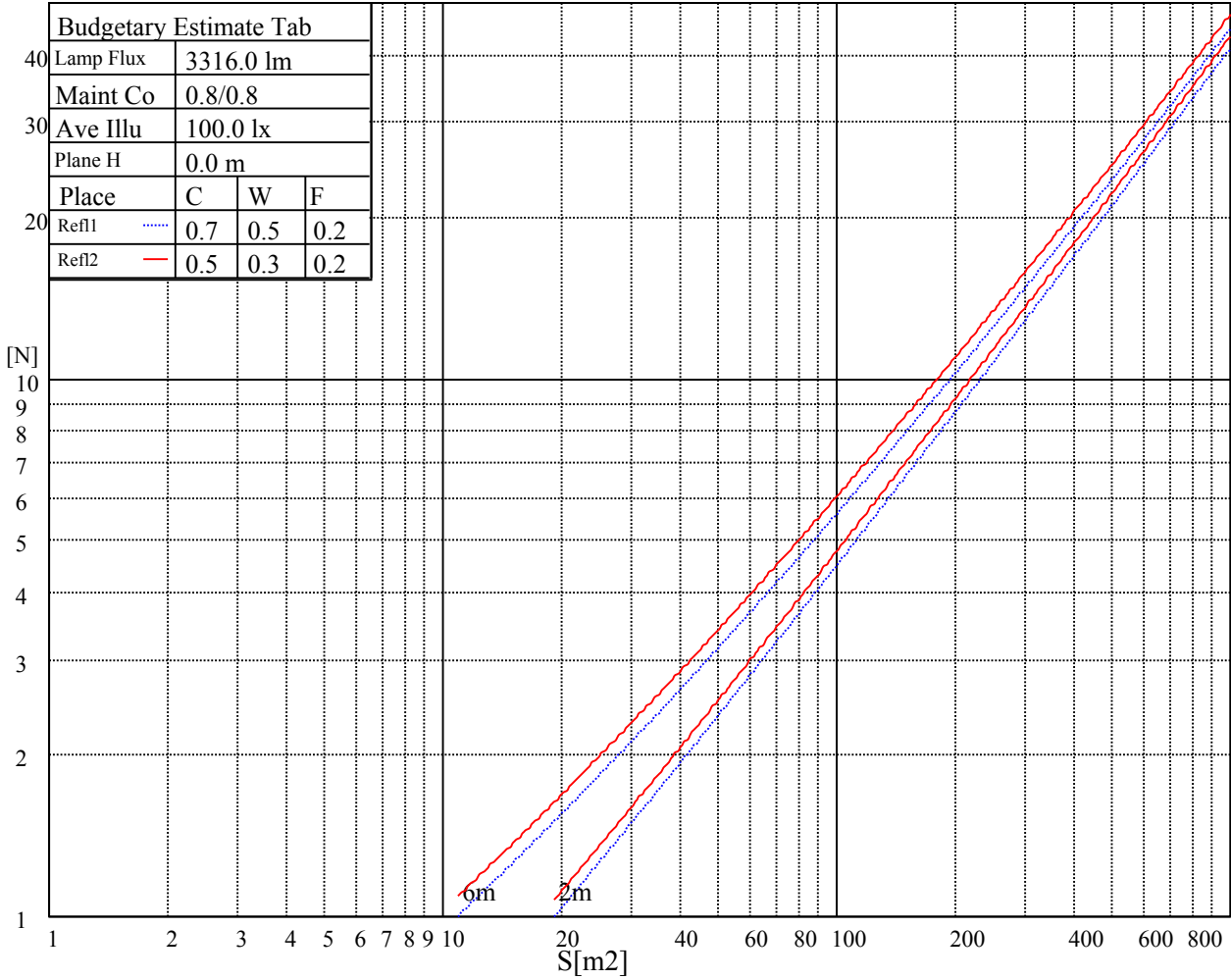
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

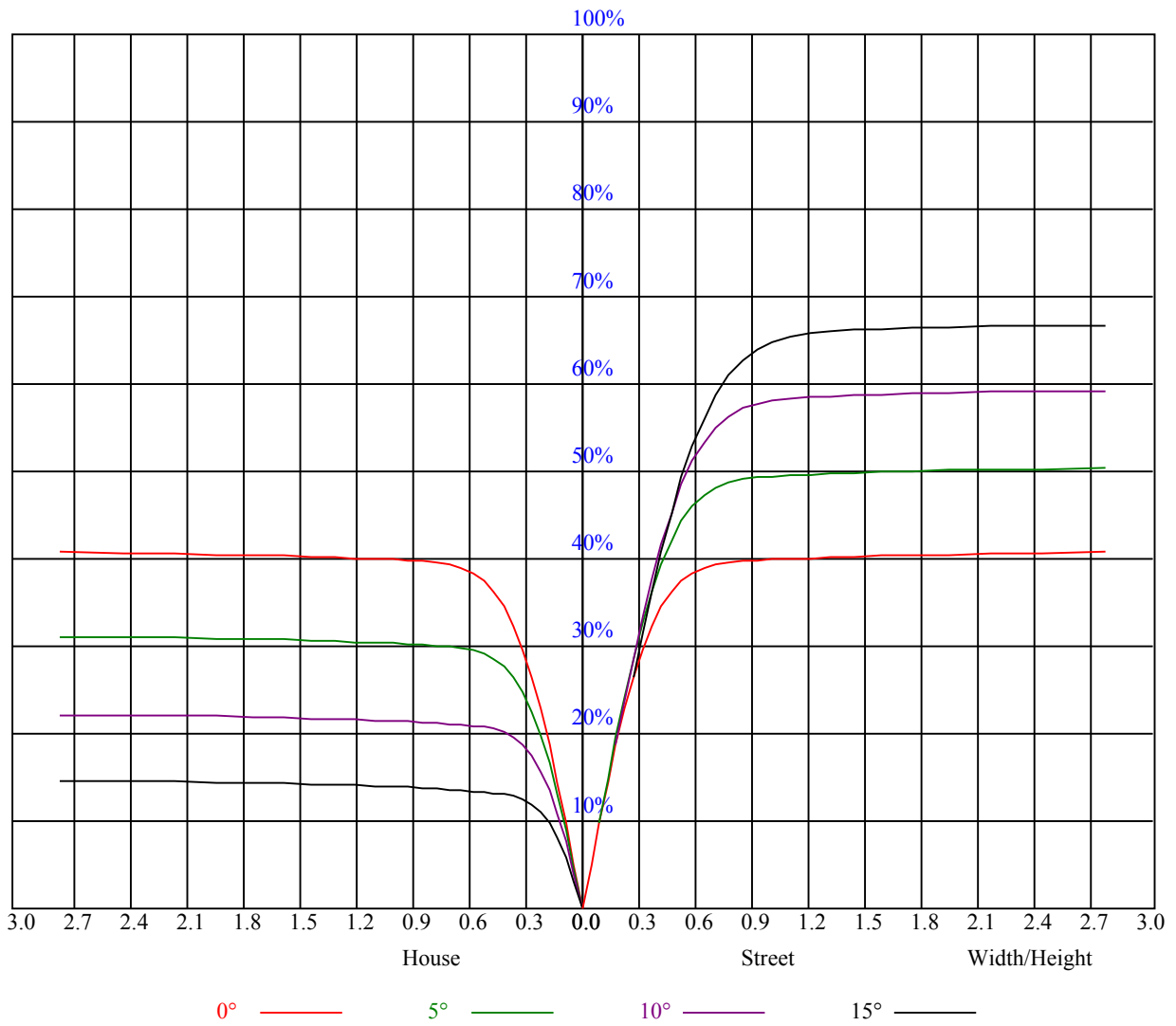


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

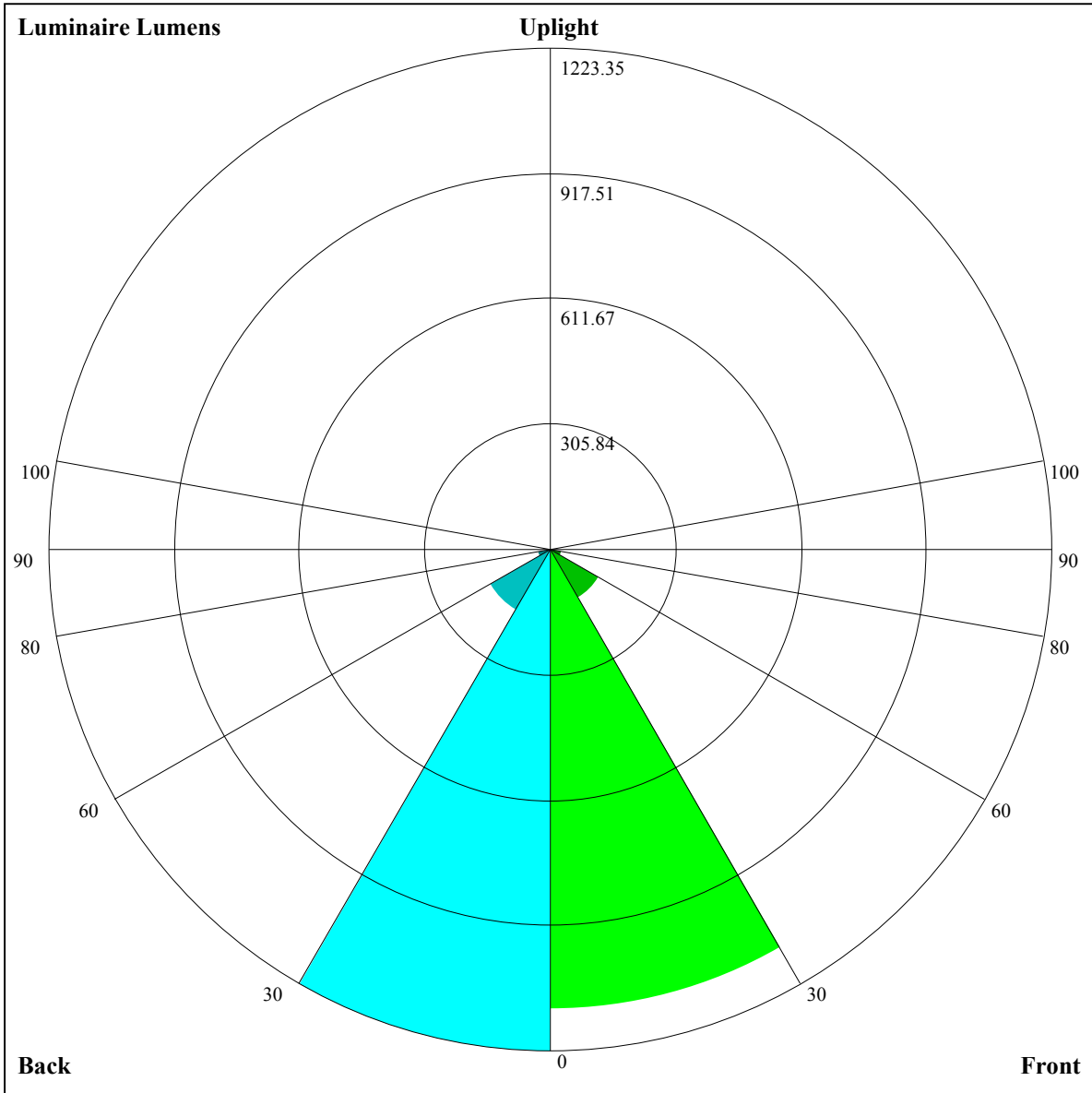
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	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	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.65	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
7	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.57	0.56
8	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.54
9	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.52	0.58	0.55	0.52	0.51
10	0.57	0.53	0.51	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.55	0.52	0.50	0.49







Luminaire Lumens:

FL=1123.82,FM=134.61,FH=30.21,FVH=8.03

BL=1223.35,BM=170.71,BH=31,BVH=8.51

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	5219.68	5174.62	5136.58	5078.64	4997.88	4929.99	4841.04	4747.99	4633.87
45.0	5251.87	5242.50	5222.61	5195.69	5134.24	5082.15	5020.12	4950.48	4839.28
90.0	5269.42	5264.74	5237.82	5206.22	5157.06	5088.00	5017.19	4944.04	4831.09
135.0	5260.65	5272.94	5278.20	5262.40	5226.70	5168.77	5113.17	5048.79	4967.45
180.0	5219.68	5240.75	5255.38	5258.31	5246.60	5210.32	5172.86	5123.70	5070.45
225.0	5251.87	5250.11	5236.07	5196.86	5157.65	5102.64	5033.58	4963.35	4883.18
270.0	5269.42	5262.40	5246.02	5207.39	5173.45	5120.78	5062.84	4987.35	4911.27
315.0	5260.65	5237.82	5202.12	5155.89	5107.90	5041.19	4958.08	4876.74	4778.42
360.0	5219.68	5174.62	5136.58	5078.64	4997.88	4929.99	4841.04	4747.99	4633.87
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4471.18	4330.72	4183.83	3976.08	3809.29	3640.16	3407.82	3219.97	3026.26
45.0	4737.45	4625.68	4500.44	4331.31	4180.91	4022.31	3809.29	3631.96	3400.80
90.0	4725.75	4606.36	4448.35	4298.54	4141.11	3942.13	3764.23	3588.07	3403.14
135.0	4883.18	4790.71	4677.18	4514.48	4369.93	4210.17	4052.16	3835.04	3661.81
180.0	5002.56	4902.49	4810.61	4702.34	4546.09	4411.48	4264.59	4064.45	3892.98
225.0	4790.71	4652.01	4525.02	4393.34	4240.01	4050.40	3882.44	3720.33	3491.51
270.0	4819.39	4691.22	4574.76	4404.46	4256.40	4104.83	3948.57	3734.96	3562.32
315.0	4670.15	4508.05	4376.96	4189.68	4033.43	3872.49	3648.94	3471.03	3283.17
360.0	4471.18	4330.72	4183.83	3976.08	3809.29	3640.16	3407.82	3219.97	3026.26
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2785.14	2587.34	2400.07	2173.58	2000.36	1817.18	1634.01	1130.19	1130.19
45.0	3211.19	3017.48	2765.25	2566.27	2386.61	2205.77	1979.87	1795.53	1618.21
90.0	3162.61	2955.44	2757.05	2563.34	2329.25	2146.08	1920.77	1736.42	1557.34
135.0	3487.41	3252.15	3053.18	2857.13	2605.48	2418.21	2194.07	2013.82	1822.45
180.0	3726.19	3499.70	3303.07	3098.24	2853.62	2650.54	2459.17	2281.85	2057.12
225.0	3303.07	3110.53	2858.88	2657.57	2470.29	2248.49	2073.51	1891.51	1705.99
270.0	3382.07	3186.02	2930.28	2727.79	2541.11	2357.34	2120.33	1952.95	1724.13
315.0	3090.63	2840.74	2637.08	2448.64	2267.81	2049.52	1876.29	1696.63	1356.61
360.0	2785.14	2587.34	2400.07	2173.58	2000.36	1817.18	1634.01	1130.19	1130.19
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1088.99	940.81	767.64	643.69	494.75	389.12	293.08	188.56	124.30
45.0	1443.81	1228.45	1075.12	935.25	762.61	633.27	513.30	382.80	309.06
90.0	1137.91	1137.91	1022.97	874.91	705.72	579.20	461.98	357.16	243.40
135.0	1634.59	1404.60	1243.08	1079.80	931.15	756.17	624.49	501.60	392.74
180.0	1875.12	1688.43	1516.96	1292.24	1124.28	975.04	793.62	654.93	535.54
225.0	1350.76	1154.47	1154.47	990.20	804.98	671.31	515.58	407.73	310.40
270.0	1554.42	1375.92	1178.12	1018.35	870.87	732.17	565.39	449.51	357.63
315.0	1156.35	1156.35	968.02	822.88	684.48	528.40	417.68	320.06	215.95
360.0	1088.99	940.81	767.64	643.69	494.75	389.12	293.08	188.56	124.30
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	92.47	80.06	69.12	63.15	58.87	55.25	51.32	48.52	46.00
45.0	309.06	117.51	92.11	80.00	71.81	63.97	59.75	56.18	53.02
90.0	168.90	112.77	87.26	76.96	69.41	62.56	58.64	55.25	51.44
135.0	316.67	316.67	112.71	90.01	79.06	69.17	63.44	59.22	55.83
180.0	399.77	302.03	302.03	127.58	94.05	81.58	72.28	64.14	59.58
225.0	209.69	143.38	100.83	82.81	73.39	66.72	61.68	57.88	53.72
270.0	309.64	309.64	108.09	86.91	73.39	66.60	61.33	56.77	53.72
315.0	148.65	101.60	83.69	71.81	65.19	60.40	56.77	52.79	49.92
360.0	92.47	80.06	69.12	63.15	58.87	55.25	51.32	48.52	46.00

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	43.19	41.38	39.62	37.81	36.52	35.29	34.47	33.77	33.24
45.0	49.51	46.99	44.77	42.37	40.61	38.80	37.57	36.52	35.70
90.0	48.81	46.29	44.18	41.79	40.03	38.68	37.45	36.23	35.46
135.0	51.97	49.22	46.70	44.48	42.08	40.32	38.86	37.22	36.17
180.0	55.95	52.03	49.28	46.76	44.48	42.08	40.26	38.33	36.99
225.0	50.86	48.28	45.41	43.48	41.67	39.80	38.45	37.28	36.05
270.0	51.03	47.81	45.65	43.72	41.43	39.91	38.57	37.34	36.17
315.0	46.76	44.54	42.60	40.50	39.03	37.75	36.58	35.41	34.59
360.0	43.19	41.38	39.62	37.81	36.52	35.29	34.47	33.77	33.24
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.95	33.01	33.07	33.07	33.01	32.95	32.71	32.42	31.78
45.0	34.82	34.35	34.12	34.12	34.12	34.12	34.06	33.83	33.59
90.0	34.70	34.24	34.24	34.47	34.59	34.59	34.53	34.41	34.18
135.0	35.23	34.41	33.94	33.83	34.06	34.29	34.47	34.47	34.53
180.0	35.93	34.82	34.12	33.53	33.12	33.07	33.18	33.30	33.36
225.0	35.29	34.65	34.18	34.06	34.12	34.18	34.12	34.06	33.77
270.0	35.29	34.65	34.24	33.94	33.88	33.77	33.83	33.94	34.06
315.0	33.94	33.53	33.36	33.36	33.42	33.42	33.42	33.36	33.01
360.0	32.95	33.01	33.07	33.07	33.01	32.95	32.71	32.42	31.78
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.08	29.90	28.62	27.15	25.93	25.16	24.35	23.70	23.17
45.0	33.18	32.54	31.72	30.55	29.20	28.27	27.74	28.15	28.73
90.0	33.94	33.77	34.24	33.77	32.83	31.89	33.12	34.24	32.77
135.0	34.41	34.12	33.47	32.36	31.19	29.55	28.09	27.10	26.34
180.0	33.30	33.24	33.01	32.60	31.66	30.61	29.14	27.56	26.28
225.0	33.53	32.89	32.19	30.84	29.50	28.03	26.92	26.45	26.51
270.0	35.00	36.87	38.74	39.15	37.98	36.05	35.29	37.45	39.80
315.0	32.66	31.95	30.84	29.67	28.21	27.27	26.57	25.98	25.63
360.0	31.08	29.90	28.62	27.15	25.93	25.16	24.35	23.70	23.17
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.88	22.59	22.47	21.77	21.24	20.60	19.61	18.32	16.56
45.0	28.97	28.27	28.32	28.50	28.03	28.09	27.68	26.10	23.06
90.0	29.32	29.32	28.56	26.51	26.86	25.63	23.99	22.94	21.42
135.0	25.81	25.28	24.81	24.46	23.99	23.41	22.71	21.95	21.19
180.0	25.52	24.76	24.11	23.53	23.29	22.94	22.82	22.24	21.54
225.0	26.98	27.27	26.69	26.63	26.92	26.22	26.39	25.69	24.76
270.0	40.32	38.45	36.52	36.28	34.94	34.29	33.65	32.13	30.49
315.0	25.46	24.81	24.81	24.23	23.47	22.77	21.65	20.78	19.96
360.0	22.88	22.59	22.47	21.77	21.24	20.60	19.61	18.32	16.56
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.57	13.52	13.05	12.64	12.35	12.06	11.88	11.88	11.82
45.0	18.90	16.44	14.46	13.69	13.11	12.52	12.23	12.00	11.82
90.0	18.61	16.33	14.92	13.64	12.82	12.58	12.35	12.11	11.88
135.0	20.25	19.02	16.91	14.92	13.75	12.93	12.64	12.41	12.17
180.0	20.78	19.72	18.32	16.04	14.28	13.34	12.93	12.58	12.29
225.0	21.95	18.49	15.16	14.05	13.58	13.05	12.41	12.11	11.88
270.0	29.14	26.04	20.31	14.75	13.81	13.23	12.52	12.17	11.88
315.0	17.97	16.33	14.75	13.81	13.28	12.82	12.23	12.00	11.94
360.0	14.57	13.52	13.05	12.64	12.35	12.06	11.88	11.88	11.82

Intensity data(cd)

<i>C/γ(°)</i>	<b>90.0</b>
<b>0.0</b>	<b>11.88</b>
<b>45.0</b>	<b>11.82</b>
<b>90.0</b>	<b>11.88</b>
<b>135.0</b>	<b>11.94</b>
<b>180.0</b>	<b>12.06</b>
<b>225.0</b>	<b>11.82</b>
<b>270.0</b>	<b>11.88</b>
<b>315.0</b>	<b>11.94</b>
<b>360.0</b>	<b>11.88</b>