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NT

Client:

LumCAT: 2-2640-L

Luminaire: 92.70.412.00

Report No: 20231031-B016

Ballast type: AC

Test No: 20231031-C016

Voltage(V): 34.660

LampCAT: Fortimo\_SLM\_C\_1208

Current(A): 0.576

Lamp flux(lm): 3260.6

Power (W): 19.964

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 3006.13, Efficiency(%): 92.20% , Luminous Efficacy(lm/W): 150.58

Central intensity(cd): 8604.440, Maximum intensity(cd): 8604.440

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

Beam Angle(50%Imax): [C0/180]Total=27.0

[C90/270]Total=27.0

Field angle(10%Imax): [C0/180]Total=63.4

[C90/270]Total=63.4

Maximum s/h(1/2): C0\_180=0.45 C90\_270=0.45

Maximum s/h(1/4): C0\_180=0.51 C90\_270=0.51

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.20%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.873%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8604.440	0.000	0	0.00%	0.00%
1.0	8559.327	8.213	8.213	0.25%	0.27%
2.0	8433.398	24.390	32.602	0.75%	1.08%
3.0	8244.019	39.887	72.489	1.22%	2.41%
4.0	7970.849	54.276	126.765	1.66%	4.22%
5.0	7665.159	67.265	194.031	2.06%	6.45%
6.0	7321.206	78.757	272.788	2.42%	9.07%
7.0	6903.147	88.290	361.078	2.71%	12.01%
8.0	6492.285	95.869	456.947	2.94%	15.20%
9.0	6040.462	101.571	558.518	3.12%	18.58%
10.0	5645.375	105.753	664.27	3.24%	22.10%
11.0	5210.296	108.470	772.741	3.33%	25.71%
12.0	4867.588	110.166	882.907	3.38%	29.37%
13.0	4477.138	110.898	993.805	3.40%	33.06%
14.0	4147.507	110.395	1104.2	3.39%	36.73%
15.0	3840.571	109.664	1213.864	3.36%	40.38%
16.0	3525.056	107.927	1321.791	3.31%	43.97%
17.0	3250.986	105.521	1427.312	3.24%	47.48%
18.0	2986.050	102.835	1530.147	3.15%	50.90%
19.0	2769.548	100.136	1630.283	3.07%	54.23%
20.0	2556.852	97.488	1727.77	2.99%	57.47%
21.0	2358.755	94.390	1822.16	2.89%	60.61%
22.0	2188.889	91.387	1913.547	2.80%	63.65%
23.0	2017.362	88.258	2001.805	2.71%	66.59%
24.0	1869.499	84.981	2086.786	2.61%	69.42%
25.0	1726.825	81.773	2168.559	2.51%	72.14%
26.0	1592.938	78.363	2246.922	2.40%	74.74%
27.0	1421.363	73.746	2320.668	2.26%	77.20%
28.0	1271.278	68.172	2388.84	2.09%	79.47%
29.0	1177.385	64.064	2452.903	1.96%	81.60%
30.0	1066.865	60.594	2513.498	1.86%	83.61%
31.0	942.589	55.920	2569.418	1.72%	85.47%
32.0	817.794	50.433	2619.851	1.55%	87.15%
33.0	701.330	44.754	2664.605	1.37%	88.64%
34.0	591.301	39.119	2703.724	1.20%	89.94%
35.0	494.923	33.734	2737.458	1.03%	91.06%
36.0	408.011	28.750	2766.207	0.88%	92.02%
37.0	329.852	24.065	2790.272	0.74%	92.82%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	270.326	20.033	2810.305	0.61%	93.49%
39.0	231.482	17.128	2827.434	0.53%	94.06%
40.0	181.947	14.419	2841.853	0.44%	94.54%
41.0	133.430	11.230	2853.083	0.34%	94.91%
42.0	110.361	8.857	2861.94	0.27%	95.20%
43.0	93.665	7.558	2869.498	0.23%	95.45%
44.0	80.436	6.571	2876.069	0.20%	95.67%
45.0	71.420	5.836	2881.905	0.18%	95.87%
46.0	64.272	5.307	2887.212	0.16%	96.04%
47.0	58.453	4.881	2892.093	0.15%	96.21%
48.0	54.260	4.556	2896.649	0.14%	96.36%
49.0	50.690	4.310	2900.959	0.13%	96.50%
50.0	47.915	4.111	2905.07	0.13%	96.64%
51.0	45.694	3.960	2909.031	0.12%	96.77%
52.0	44.041	3.851	2912.881	0.12%	96.90%
53.0	42.761	3.776	2916.657	0.12%	97.02%
54.0	41.695	3.722	2920.38	0.11%	97.15%
55.0	40.955	3.689	2924.069	0.11%	97.27%
56.0	40.297	3.672	2927.741	0.11%	97.39%
57.0	39.661	3.656	2931.397	0.11%	97.51%
58.0	38.969	3.636	2935.033	0.11%	97.63%
59.0	38.173	3.606	2938.639	0.11%	97.75%
60.0	37.066	3.555	2942.194	0.11%	97.87%
61.0	35.696	3.472	2945.666	0.11%	97.99%
62.0	34.250	3.370	2949.036	0.10%	98.10%
63.0	32.423	3.243	2952.279	0.10%	98.21%
64.0	30.659	3.095	2955.375	0.09%	98.31%
65.0	28.908	2.948	2958.323	0.09%	98.41%
66.0	27.213	2.800	2961.123	0.09%	98.50%
67.0	25.636	2.657	2963.78	0.08%	98.59%
68.0	24.210	2.525	2966.305	0.08%	98.68%
69.0	23.055	2.411	2968.716	0.07%	98.76%
70.0	22.031	2.316	2971.032	0.07%	98.83%
71.0	21.290	2.239	2973.271	0.07%	98.91%
72.0	20.578	2.177	2975.448	0.07%	98.98%
73.0	19.934	2.118	2977.566	0.06%	99.05%
74.0	19.305	2.063	2979.629	0.06%	99.12%
75.0	18.716	2.009	2981.638	0.06%	99.19%

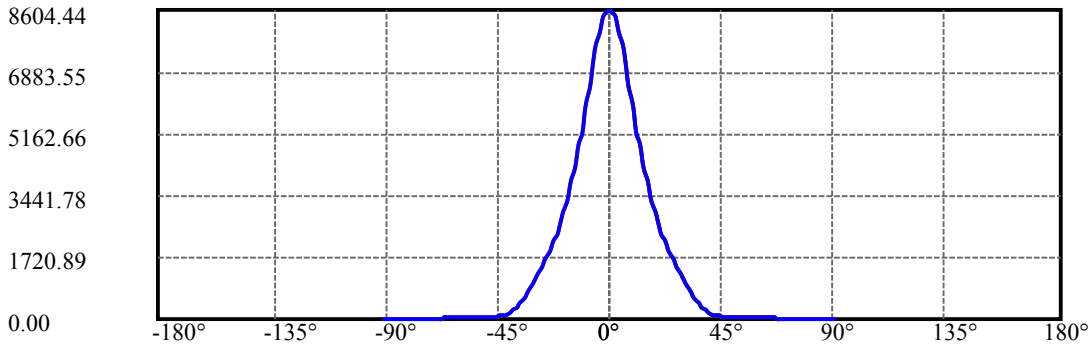
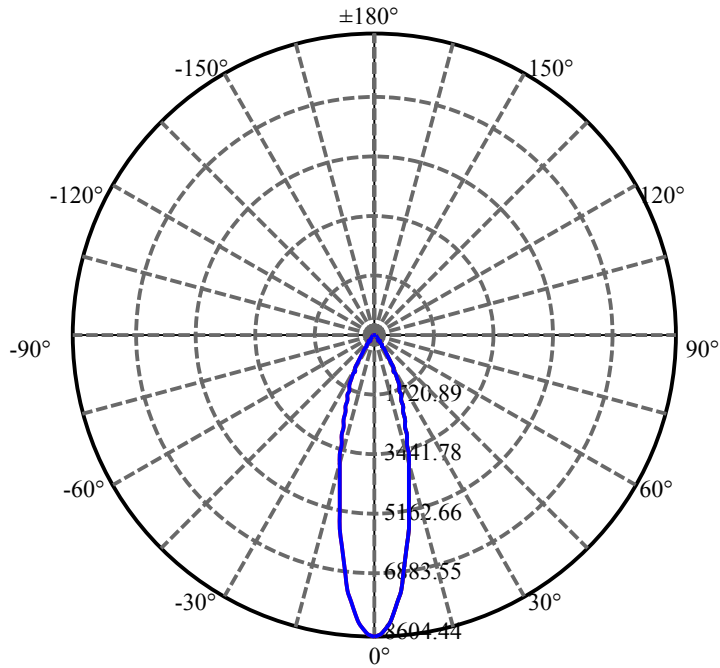
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.184	1.959	2983.597	0.06%	99.25%
77.0	17.589	1.907	2985.504	0.06%	99.31%
78.0	17.070	1.855	2987.359	0.06%	99.38%
79.0	16.551	1.806	2989.166	0.06%	99.44%
80.0	16.032	1.757	2990.922	0.05%	99.49%
81.0	15.582	1.710	2992.632	0.05%	99.55%
82.0	15.063	1.662	2994.294	0.05%	99.61%
83.0	14.613	1.613	2995.907	0.05%	99.66%
84.0	14.233	1.571	2997.479	0.05%	99.71%
85.0	13.845	1.532	2999.011	0.05%	99.76%
86.0	13.492	1.494	3000.505	0.05%	99.81%
87.0	13.153	1.458	3001.964	0.04%	99.86%
88.0	12.787	1.421	3003.385	0.04%	99.91%
89.0	12.482	1.385	3004.77	0.04%	99.95%
90.0	12.365	1.362	3006.132	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2513.50	77.09%	83.61%
0-40	2841.85	87.16%	94.54%
0-60	2942.19	90.24%	97.87%
0-90	3004.77	92.16%	99.95%
0-120	3004.77	92.16%	99.95%
0-180	3006.13	92.20%	100.00%
60-90	62.58	1.92%	2.08%
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%
0-28.25	2404.91	73.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	664.27
10-20	1063.50
20-30	785.73
30-40	328.35
40-50	63.22
50-60	37.12
60-70	28.84
70-80	19.89
80-90	13.85
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: ———

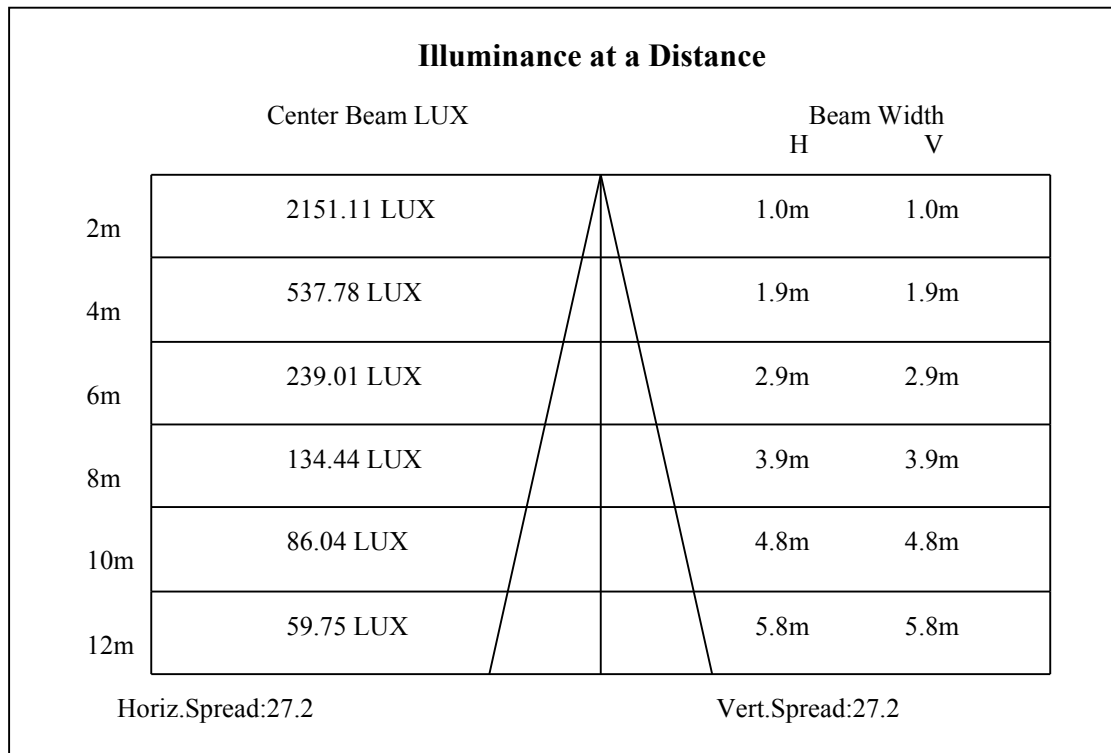
C90/C270: ———

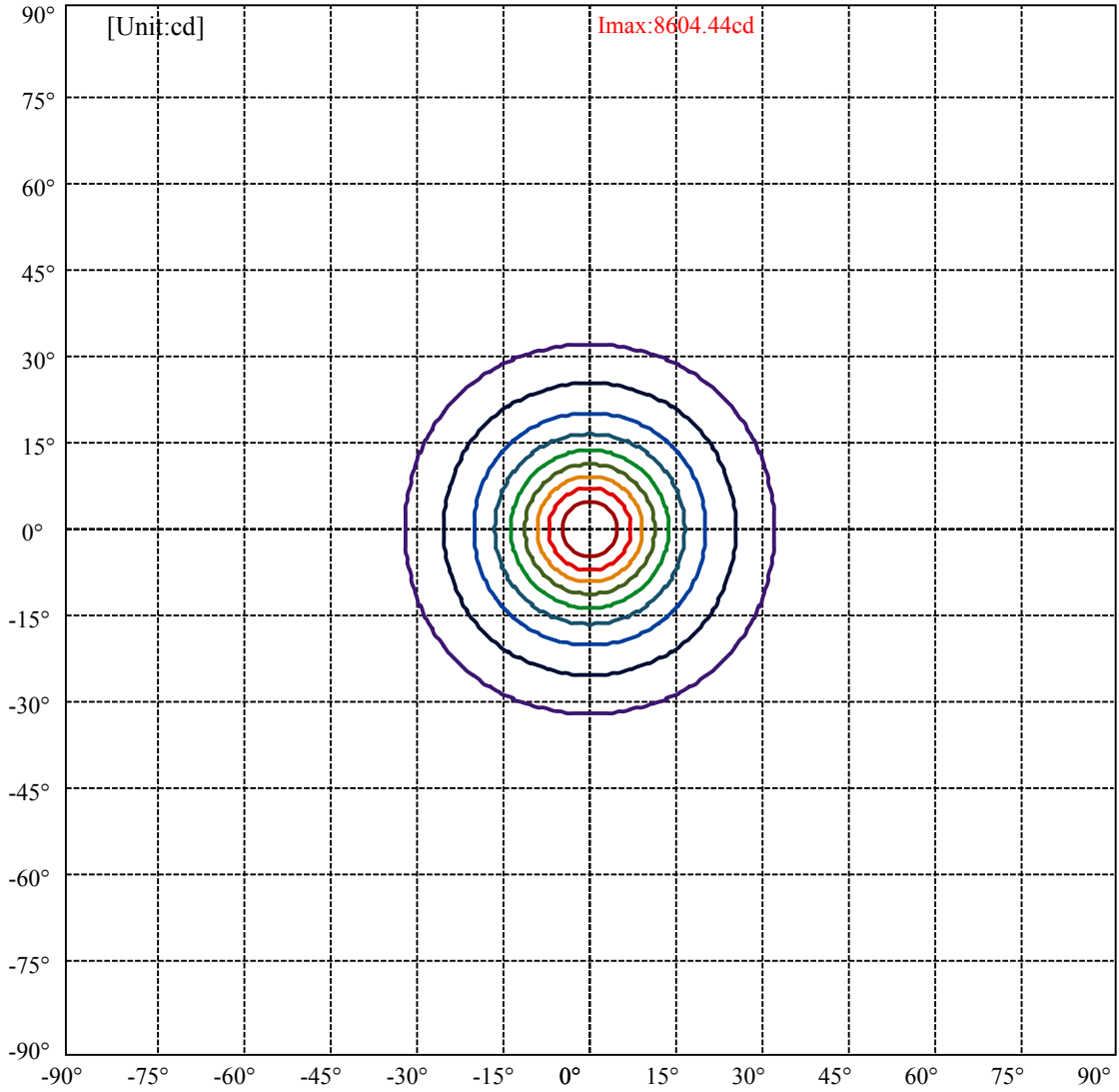
Field angle(10%Imax):C0/180Left:31.7 Right:31.7

:C90/270Left:31.7 Right:31.7

Beam Angle(50%Imax):C0/180Left:13.5 Right:13.5

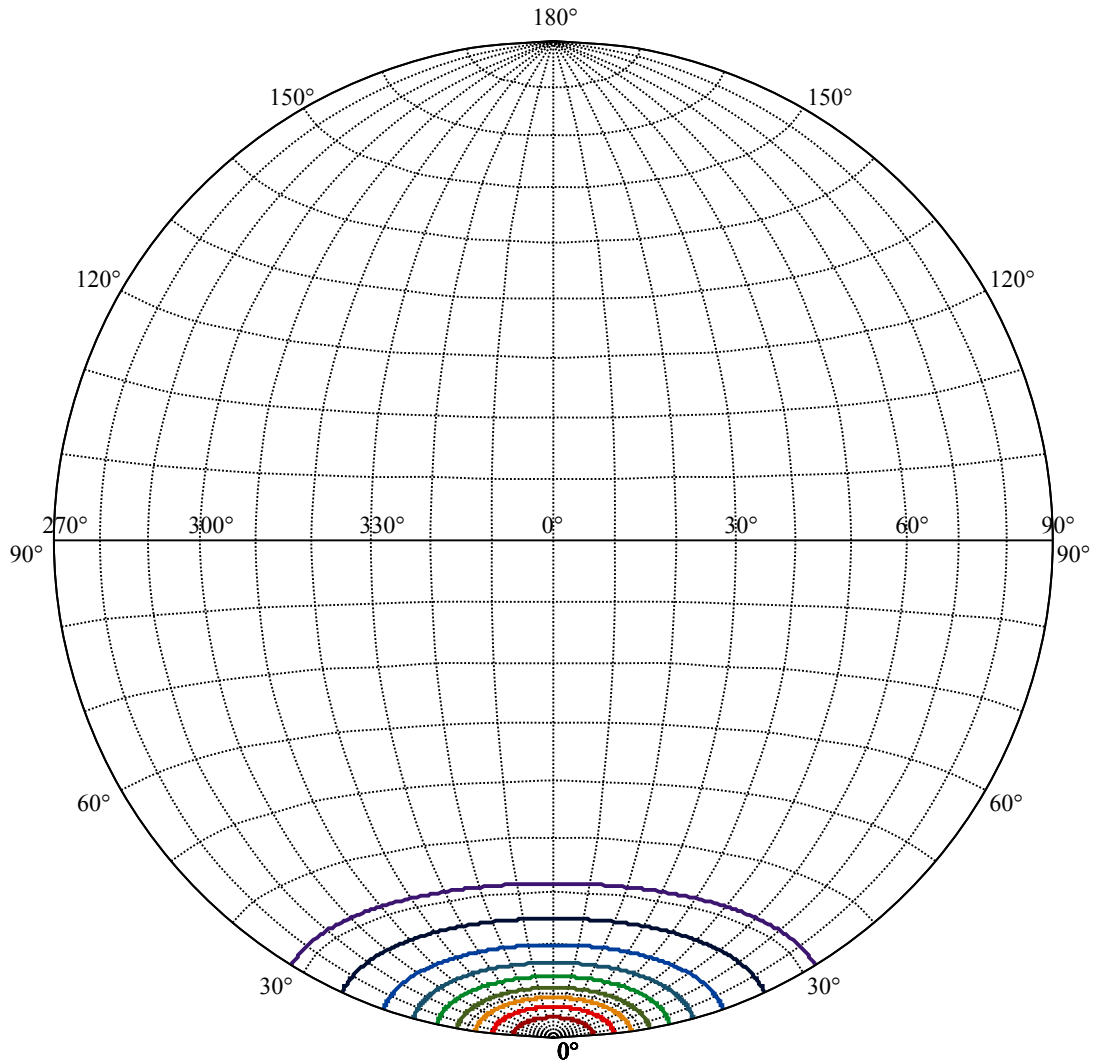
:C90/270Left:13.5 Right:13.5





(10%Imax) 860.444	—
(20%Imax) 1720.89	—
(30%Imax) 2581.33	—
(40%Imax) 3441.78	—
(50%Imax) 4302.22	—
(60%Imax) 5162.66	—
(70%Imax) 6023.11	—
(80%Imax) 6883.55	—
(90%Imax) 7744	—





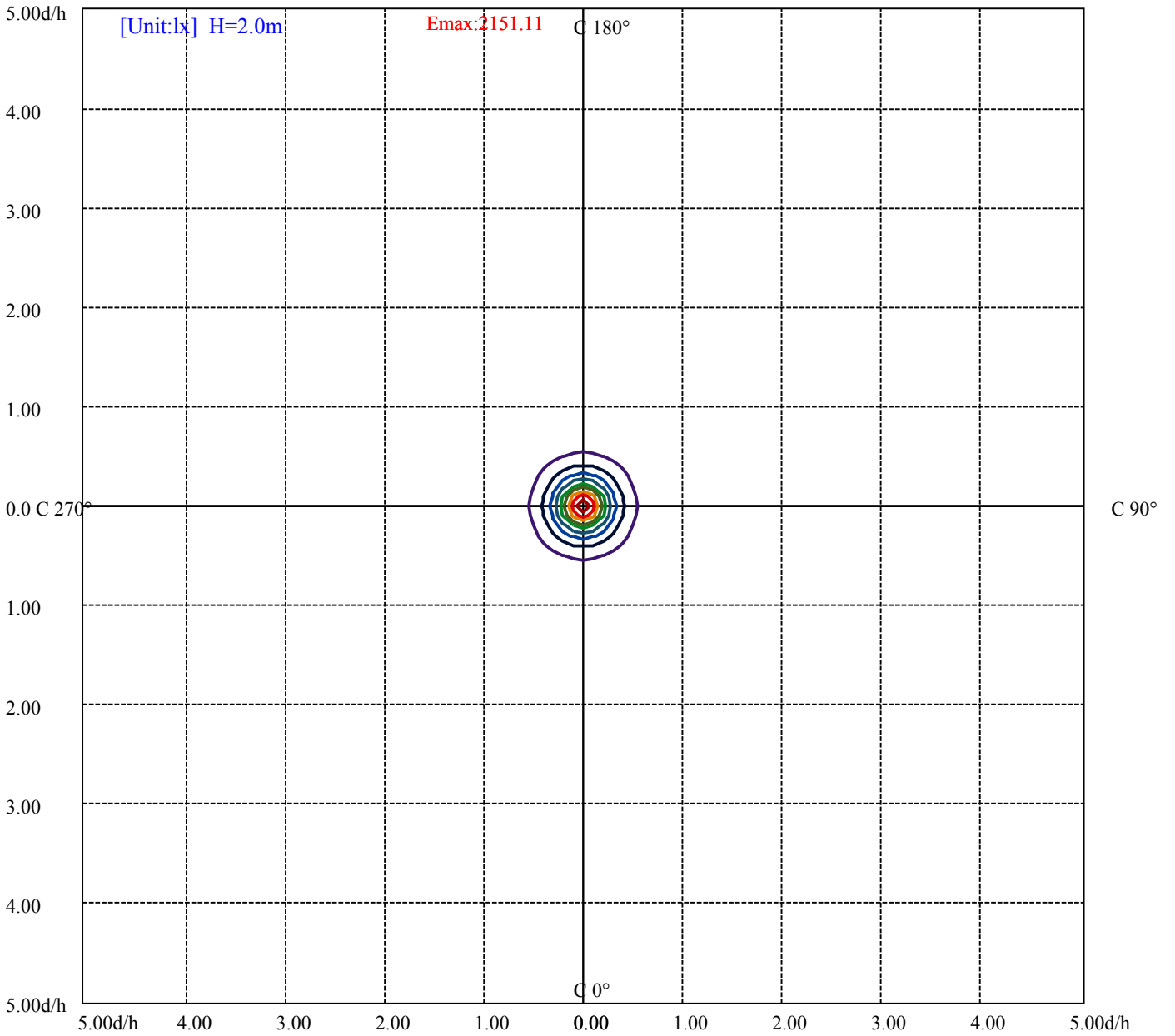
House

[Unit:cd]

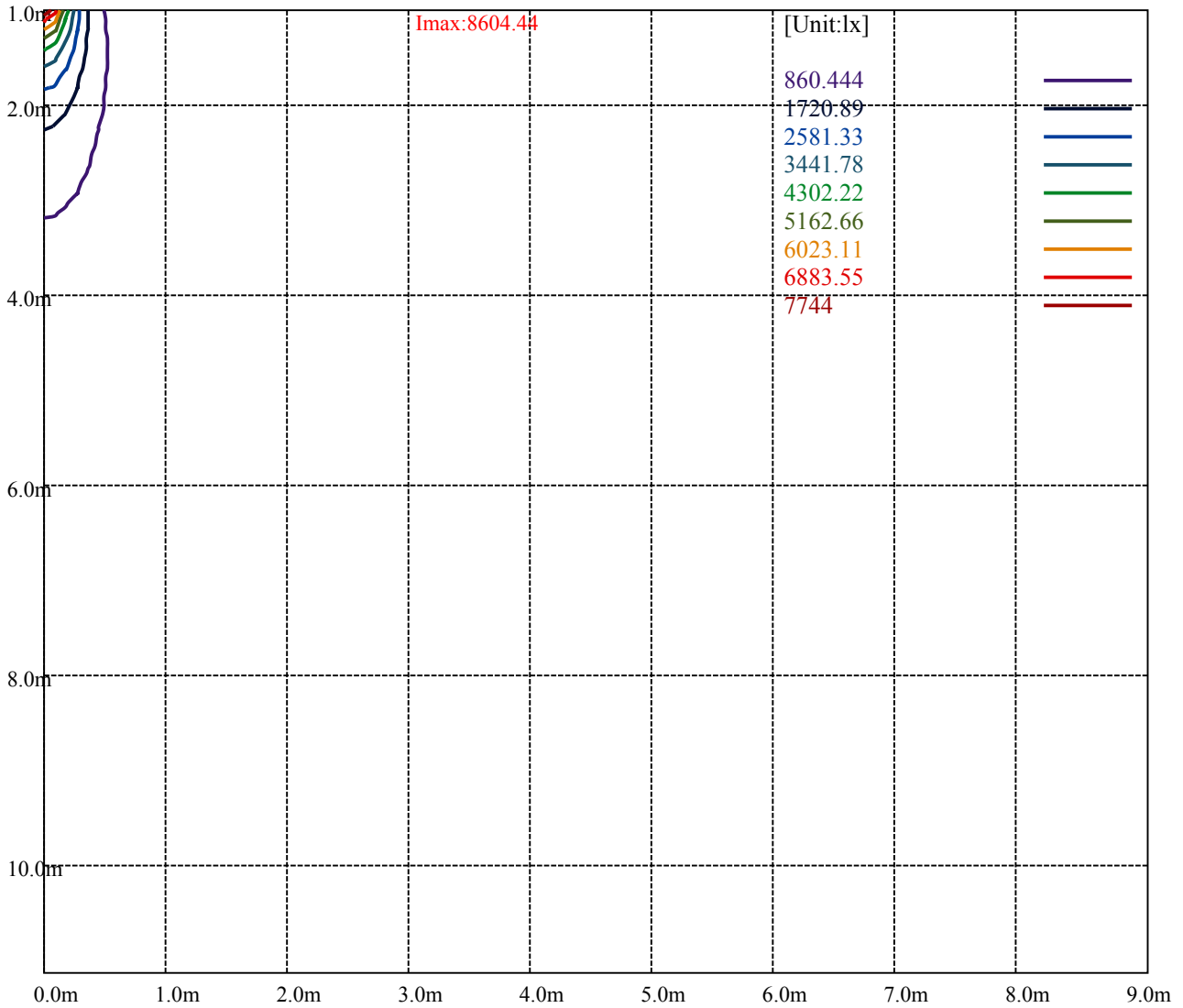
Road

Imax:8604.44

(10%Imax)	860.444	—
(20%Imax)	1720.89	—
(30%Imax)	2581.33	—
(40%Imax)	3441.78	—
(50%Imax)	4302.22	—
(60%Imax)	5162.66	—
(70%Imax)	6023.11	—
(80%Imax)	6883.55	—
(90%Imax)	7744	—



(10%Emax) 215.1107	—
(20%Emax) 430.2225	—
(30%Emax) 645.3325	—
(40%Emax) 860.4425	—
(50%Emax) 1075.555	—
(60%Emax) 1290.665	—
(70%Emax) 1505.775	—
(80%Emax) 1720.887	—
(90%Emax) 1935.998	—



Luminance Table

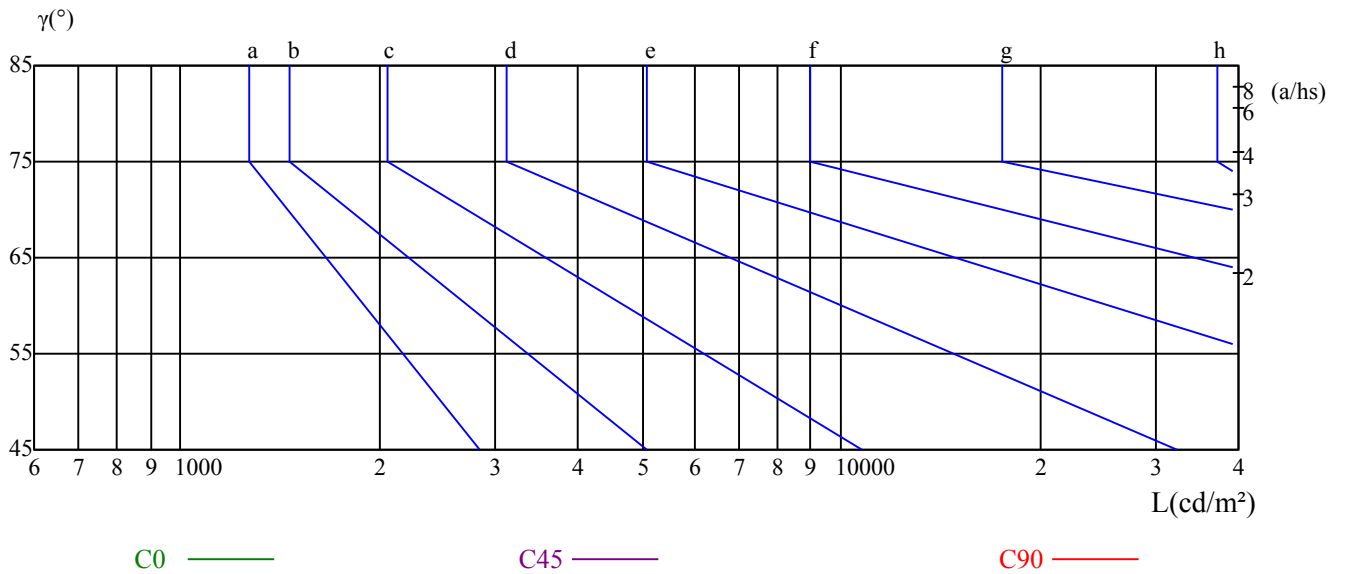
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

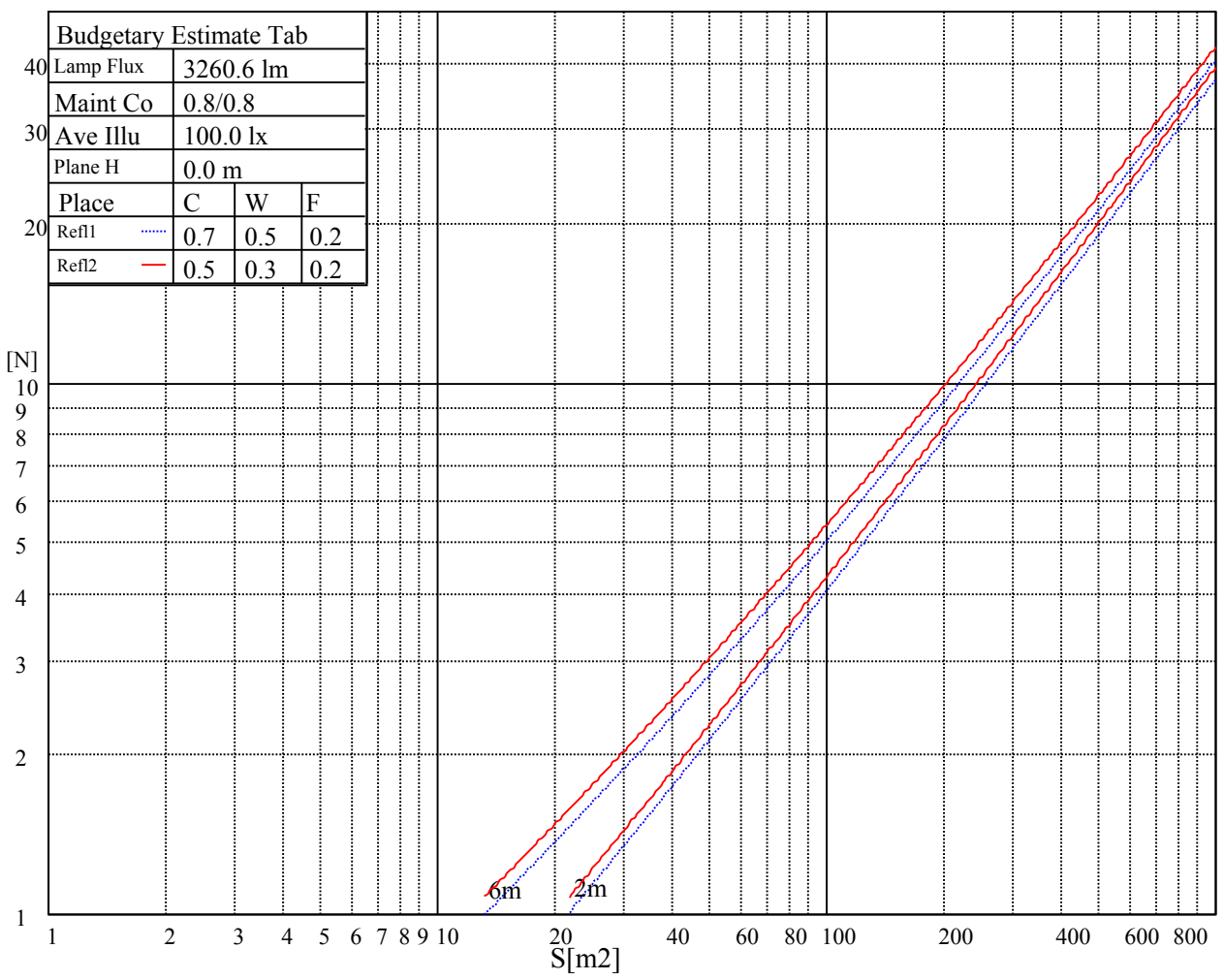
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

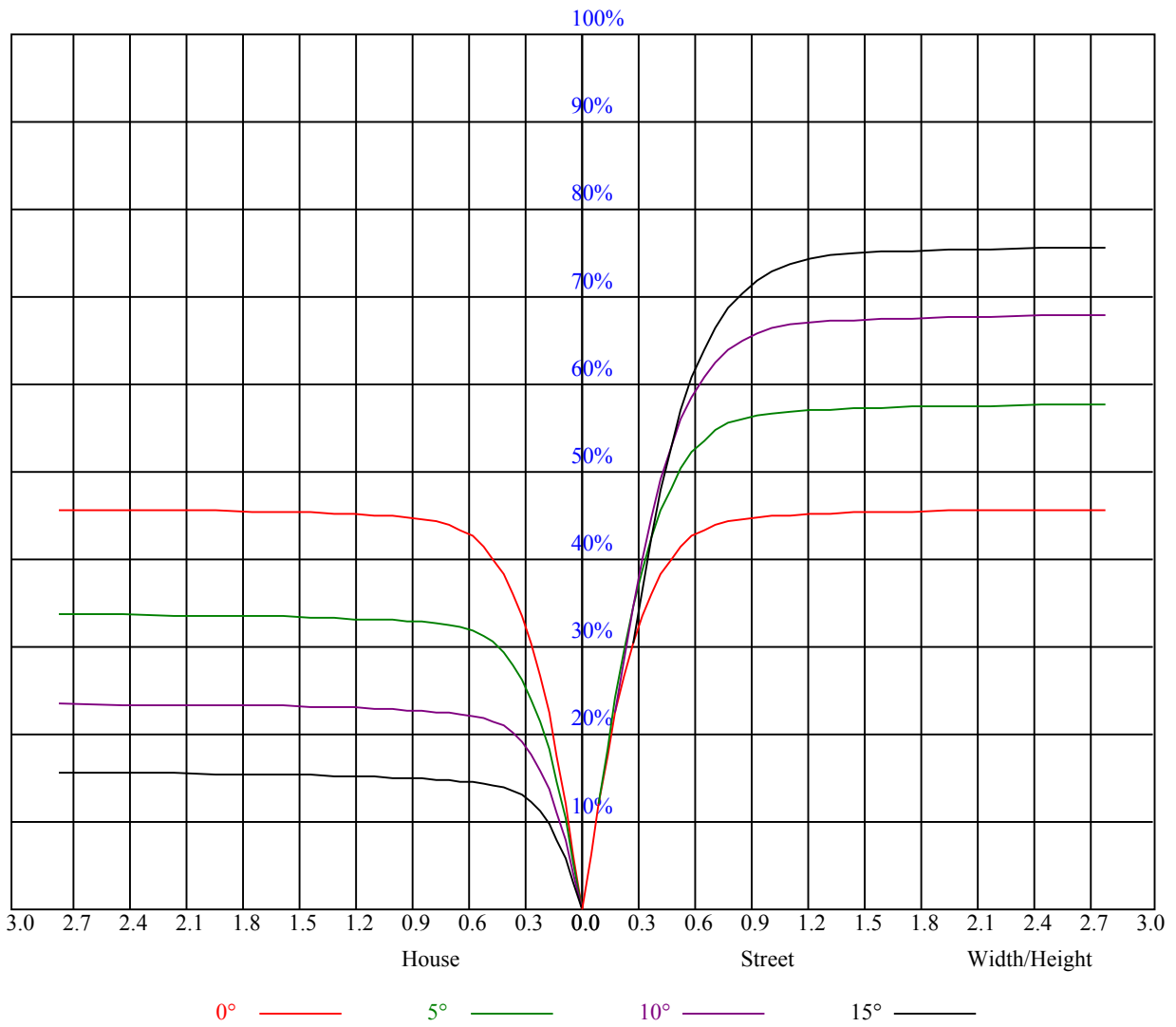


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.74	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
9	0.68	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.58	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.56





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	8568.74	8358.95	8152.48	7913.90	7505.39	7151.13	6788.01	6304.78	5902.91
45.0	8632.95	8612.47	8471.31	8264.29	7985.31	7698.03	7351.51	6889.86	6505.16
90.0	8606.93	8485.71	8238.83	8010.22	7690.28	7353.73	6898.17	6497.41	6086.13
135.0	8609.15	8620.77	8517.81	8247.69	8015.20	7732.90	7384.17	6926.95	6541.13
180.0	8568.74	8629.63	8646.79	8577.04	8334.04	8088.82	7836.96	7509.27	7050.94
225.0	8632.95	8596.97	8471.87	8294.74	8068.34	7716.29	7364.80	6983.96	6589.85
270.0	8606.93	8635.72	8584.24	8459.14	8272.04	7991.40	7701.90	7342.66	6880.45
315.0	8609.15	8534.42	8383.86	8185.14	7896.19	7588.98	7244.13	6770.30	6381.72
360.0	8568.74	8358.95	8152.48	7913.90	7505.39	7151.13	6788.01	6304.78	5902.91
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5396.98	5052.68	4711.70	4379.02	3995.42	3704.82	3437.46	3182.28	2903.30
45.0	5995.90	5591.27	5218.74	4899.35	4467.04	4145.98	3845.97	3491.71	3235.42
90.0	5580.75	5229.81	4867.24	4531.25	4125.50	3819.40	3542.63	3217.70	2991.86
135.0	6147.57	5730.76	5251.40	4919.83	4496.93	4183.63	3880.29	3524.92	3264.20
180.0	6668.45	6272.12	5763.42	5358.23	4912.63	4576.08	4253.37	3951.14	3585.81
225.0	6078.93	5654.92	5204.35	4869.46	4520.73	4116.65	3813.86	3536.54	3269.74
270.0	6483.01	6072.84	5563.04	5214.86	4863.92	4509.10	4191.93	3808.33	3529.35
315.0	5972.10	5558.61	5102.49	4768.71	4434.93	4124.40	3759.06	3487.83	3228.22
360.0	5396.98	5052.68	4711.70	4379.02	3995.42	3704.82	3437.46	3182.28	2903.30
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2697.38	2503.09	2324.85	2117.83	1970.03	1795.12	1662.82	1529.97	1372.22
45.0	3005.70	2794.80	2556.23	2380.76	2217.47	2029.26	1885.90	1744.75	1578.13
90.0	2727.27	2539.62	2355.85	2194.22	2048.64	1863.76	1736.44	1606.92	1482.37
135.0	3027.29	2815.84	2576.71	2401.24	2235.18	2088.49	1918.00	1788.47	1665.04
180.0	3323.43	3075.45	2861.78	2611.58	2424.49	2252.34	2099.56	1921.32	1791.24
225.0	2969.72	2752.18	2557.34	2371.35	2168.75	2019.85	1884.79	1725.37	1605.25
270.0	3198.88	2959.20	2749.41	2498.11	2318.76	2149.93	1968.37	1832.76	1706.55
315.0	2938.72	2716.20	2472.65	2294.96	2127.79	1940.14	1800.10	1665.04	1542.70
360.0	2697.38	2503.09	2324.85	2117.83	1970.03	1795.12	1662.82	1529.97	1372.22
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1086.76	1086.76	999.91	854.05	742.51	638.50	542.85	438.90	361.02
45.0	1445.84	1318.52	1161.32	1042.86	924.96	808.72	671.99	574.57	488.22
90.0	1232.72	1073.92	1073.92	926.84	811.48	699.23	573.80	482.35	399.49
135.0	1506.17	1382.18	1258.19	1104.86	982.53	830.86	716.83	608.89	513.68
180.0	1634.04	1516.69	1398.79	1250.44	1129.21	1003.01	877.35	733.44	630.48
225.0	1489.01	1254.31	1103.70	1103.70	956.07	837.28	726.46	622.40	504.55
270.0	1582.01	1439.75	1325.17	1213.90	1098.22	943.23	827.54	690.81	591.73
315.0	1394.36	1098.10	1098.10	1038.27	895.73	781.54	673.82	579.05	470.23
360.0	1086.76	1086.76	999.91	854.05	742.51	638.50	542.85	438.90	361.02
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	295.98	228.56	185.10	151.28	120.23	102.29	88.90	76.17	68.53
45.0	406.30	318.28	287.29	287.29	159.03	131.63	106.78	92.11	80.87
90.0	311.31	252.02	203.26	156.76	129.36	108.94	94.05	80.32	71.79
135.0	405.19	329.35	280.09	280.09	158.98	130.25	109.05	93.38	79.32
180.0	531.39	445.04	350.39	283.96	283.96	170.54	138.66	114.64	93.82
225.0	419.30	343.69	278.71	211.34	169.60	137.44	108.83	92.72	78.49
270.0	501.50	398.55	327.69	279.54	279.54	159.25	129.91	108.55	92.77
315.0	393.12	323.32	250.09	201.60	154.88	127.09	106.72	91.44	77.88
360.0	295.98	228.56	185.10	151.28	120.23	102.29	88.90	76.17	68.53

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	62.33	57.46	52.64	49.71	47.33	45.45	43.62	42.51	41.68
45.0	72.40	64.10	58.84	54.69	51.26	47.94	45.78	44.23	42.68
90.0	65.21	59.67	54.47	51.15	47.83	45.78	44.12	42.57	41.63
135.0	70.91	64.32	57.84	53.75	49.71	47.11	45.11	43.62	42.07
180.0	81.87	70.96	64.27	59.01	54.80	50.65	47.99	45.78	44.12
225.0	70.19	63.77	57.40	53.58	50.37	47.88	45.83	43.90	42.68
270.0	78.77	70.47	63.93	58.79	53.86	50.65	47.60	45.67	44.28
315.0	69.69	63.44	58.23	53.42	50.37	47.88	45.50	44.06	42.95
360.0	62.33	57.46	52.64	49.71	47.33	45.45	43.62	42.51	41.68
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	40.80	40.30	39.63	38.86	38.08	36.70	35.26	33.71	32.11
45.0	41.68	40.85	40.19	39.63	38.75	37.97	36.87	35.32	33.99
90.0	40.80	40.08	39.30	38.64	37.92	36.92	35.26	33.93	32.38
135.0	41.18	40.35	39.74	39.02	38.36	37.70	36.70	35.26	33.82
180.0	42.46	41.52	40.74	40.13	39.47	38.80	38.03	37.03	35.87
225.0	41.79	41.13	40.46	39.97	39.19	38.58	37.64	35.98	34.60
270.0	42.95	42.12	41.46	40.85	40.41	39.69	39.08	38.08	36.37
315.0	41.90	41.29	40.85	40.19	39.58	39.02	37.70	36.26	34.87
360.0	40.80	40.30	39.63	38.86	38.08	36.70	35.26	33.71	32.11
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	30.00	28.29	26.68	25.30	23.69	22.64	21.75	20.87	20.26
45.0	31.94	30.39	28.84	27.12	25.41	24.08	22.97	21.98	21.31
90.0	30.44	28.84	26.79	25.46	24.19	23.03	21.98	21.26	20.65
135.0	31.88	30.39	28.78	26.79	25.52	24.19	22.97	21.92	21.26
180.0	34.10	32.44	30.83	29.12	27.07	25.63	24.30	23.14	22.03
225.0	32.99	30.78	29.06	27.29	25.85	24.19	23.03	22.14	21.42
270.0	34.87	33.10	31.00	29.17	27.40	25.63	24.30	22.92	22.09
315.0	33.16	31.05	29.28	27.46	25.96	24.30	23.14	22.03	21.31
360.0	30.00	28.29	26.68	25.30	23.69	22.64	21.75	20.87	20.26
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.65	18.99	18.49	17.99	17.38	16.88	16.44	15.94	15.33
45.0	20.43	19.93	19.32	18.65	18.16	17.66	17.16	16.55	16.11
90.0	20.04	19.32	18.82	18.27	17.77	17.16	16.66	16.05	15.61
135.0	20.59	20.04	19.32	18.82	18.32	17.71	17.16	16.72	16.16
180.0	21.31	20.65	19.87	19.26	18.76	18.05	17.55	16.94	16.44
225.0	20.59	19.98	19.37	18.65	18.16	17.49	16.99	16.55	15.94
270.0	21.37	20.70	19.98	19.37	18.76	18.27	17.60	17.10	16.61
315.0	20.65	19.87	19.26	18.71	18.16	17.49	16.99	16.55	16.05
360.0	19.65	18.99	18.49	17.99	17.38	16.88	16.44	15.94	15.33
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.95	14.50	14.12	13.78	13.45	13.12	12.79	12.45	12.40
45.0	15.61	15.06	14.56	14.12	13.73	13.40	13.12	12.68	12.34
90.0	15.17	14.72	14.28	14.00	13.56	13.23	12.90	12.51	12.29
135.0	15.67	15.11	14.67	14.34	13.89	13.62	13.17	12.79	12.45
180.0	16.05	15.50	15.06	14.61	14.23	13.84	13.45	13.12	12.79
225.0	15.55	15.06	14.67	14.23	13.89	13.51	13.17	12.84	12.51
270.0	16.16	15.55	15.00	14.61	14.17	13.73	13.45	13.06	12.68
315.0	15.50	15.00	14.56	14.17	13.84	13.51	13.17	12.84	12.40
360.0	14.95	14.50	14.12	13.78	13.45	13.12	12.79	12.45	12.40

Intensity data(cd)

C/γ(°)	90.0
0.0	12.40
45.0	12.34
90.0	12.29
135.0	12.34
180.0	12.45
225.0	12.34
270.0	12.40
315.0	12.34
360.0	12.40