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Nata

Client:

LumCAT: 1-09536-N

Luminaire: 92.70.246.00

Report No: 200728-B012

Test No: 200728-C012

LampCAT: SEOUL SAWX10

Lamp flux(lm): 1316.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.5300

Current(A): 0.2880

Power (W): 9.9440

PF: 0.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1064.61, Efficiency(%): 80.90% , Luminous Efficacy(lm/W): 107.06

Central intensity(cd): 4420.969, Maximum intensity(cd): 4420.969

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.2

[C90/270]Total=24.2

Field angle(10%Imax): [C0/180]Total=50.4

[C90/270]Total=50.4

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 80.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.192%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4420.969	0.000	0	.000%	.000%
1.0	4399.102	4.220	4.22	.321%	.396%
2.0	4336.594	12.538	16.759	.953%	1.574%
3.0	4219.664	20.464	37.222	1.555%	3.496%
4.0	4076.297	27.769	64.992	2.110%	6.105%
5.0	3894.398	34.290	99.281	2.606%	9.326%
6.0	3682.688	39.820	139.101	3.026%	13.066%
7.0	3458.180	44.323	183.424	3.368%	17.229%
8.0	3230.719	47.871	231.295	3.638%	21.726%
9.0	2974.781	50.292	281.587	3.822%	26.450%
10.0	2721.023	51.545	333.132	3.917%	31.291%
11.0	2480.344	51.972	385.105	3.949%	36.173%
12.0	2242.617	51.629	436.733	3.923%	41.023%
13.0	2008.406	50.449	487.182	3.834%	45.761%
14.0	1790.367	48.624	535.806	3.695%	50.329%
15.0	1599.469	46.537	582.343	3.536%	54.700%
16.0	1423.195	44.290	626.634	3.366%	58.860%
17.0	1238.766	41.454	668.088	3.150%	62.754%
18.0	1119.319	38.880	706.967	2.954%	66.406%
19.0	1004.892	36.957	743.924	2.808%	69.877%
20.0	893.665	34.749	778.673	2.640%	73.141%
21.0	791.163	32.352	811.025	2.458%	76.180%
22.0	702.809	30.022	841.047	2.281%	79.000%
23.0	618.975	27.735	868.782	2.107%	81.605%
24.0	536.421	25.261	894.043	1.920%	83.978%
25.0	458.002	22.611	916.654	1.718%	86.102%
26.0	386.360	19.931	936.585	1.515%	87.974%
27.0	313.038	17.111	953.696	1.300%	89.581%
28.0	259.791	14.503	968.199	1.102%	90.944%
29.0	197.592	11.966	980.165	.909%	92.068%
30.0	144.872	9.246	989.412	.703%	92.936%
31.0	106.095	6.984	996.396	.531%	93.592%
32.0	76.141	5.221	1001.617	.397%	94.083%
33.0	58.205	3.958	1005.575	.301%	94.454%
34.0	48.248	3.222	1008.796	.245%	94.757%
35.0	42.912	2.831	1011.627	.215%	95.023%
36.0	39.122	2.612	1014.239	.198%	95.268%
37.0	36.056	2.452	1016.691	.186%	95.499%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	32.955	2.304	1018.995	.175%	95.715%
39.0	30.255	2.158	1021.152	.164%	95.918%
40.0	27.724	2.022	1023.174	.154%	96.107%
41.0	25.425	1.893	1025.067	.144%	96.285%
42.0	23.309	1.771	1026.838	.135%	96.452%
43.0	21.452	1.658	1028.496	.126%	96.607%
44.0	19.828	1.558	1030.054	.118%	96.754%
45.0	18.239	1.463	1031.517	.111%	96.891%
46.0	16.573	1.361	1032.878	.103%	97.019%
47.0	15.237	1.265	1034.143	.096%	97.138%
48.0	14.077	1.185	1035.328	.090%	97.249%
49.0	12.902	1.108	1036.436	.084%	97.353%
50.0	11.897	1.034	1037.47	.079%	97.450%
51.0	11.004	0.969	1038.439	.074%	97.541%
52.0	10.125	0.907	1039.346	.069%	97.626%
53.0	9.323	0.846	1040.192	.064%	97.706%
54.0	8.838	0.800	1040.992	.061%	97.781%
55.0	8.480	0.773	1041.765	.059%	97.854%
56.0	8.121	0.750	1042.515	.057%	97.924%
57.0	7.840	0.730	1043.245	.055%	97.993%
58.0	7.643	0.716	1043.961	.054%	98.060%
59.0	7.481	0.707	1044.668	.054%	98.126%
60.0	7.348	0.701	1045.369	.053%	98.192%
61.0	7.228	0.696	1046.064	.053%	98.258%
62.0	7.130	0.692	1046.756	.053%	98.323%
63.0	7.038	0.689	1047.445	.052%	98.387%
64.0	7.045	0.691	1048.136	.053%	98.452%
65.0	7.073	0.699	1048.835	.053%	98.518%
66.0	6.954	0.700	1049.535	.053%	98.584%
67.0	6.813	0.692	1050.227	.053%	98.649%
68.0	6.666	0.683	1050.91	.052%	98.713%
69.0	6.553	0.674	1051.584	.051%	98.776%
70.0	6.483	0.670	1052.254	.051%	98.839%
71.0	6.391	0.665	1052.919	.051%	98.901%
72.0	6.251	0.657	1053.577	.050%	98.963%
73.0	6.152	0.649	1054.225	.049%	99.024%
74.0	6.082	0.643	1054.868	.049%	99.085%
75.0	5.998	0.638	1055.507	.048%	99.144%

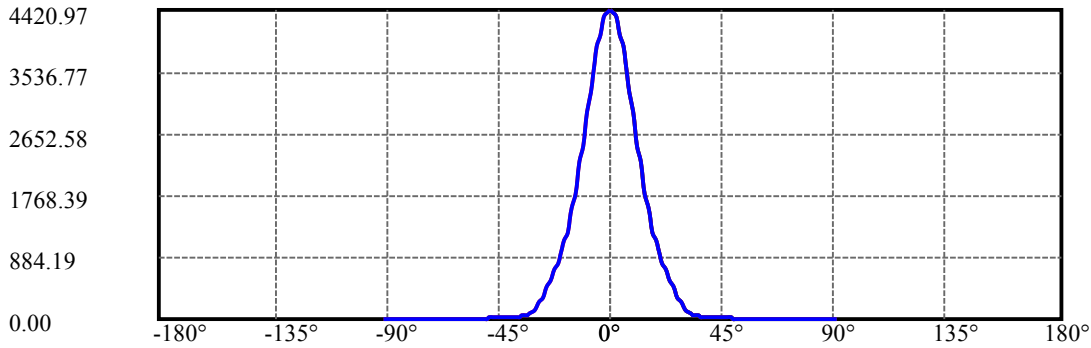
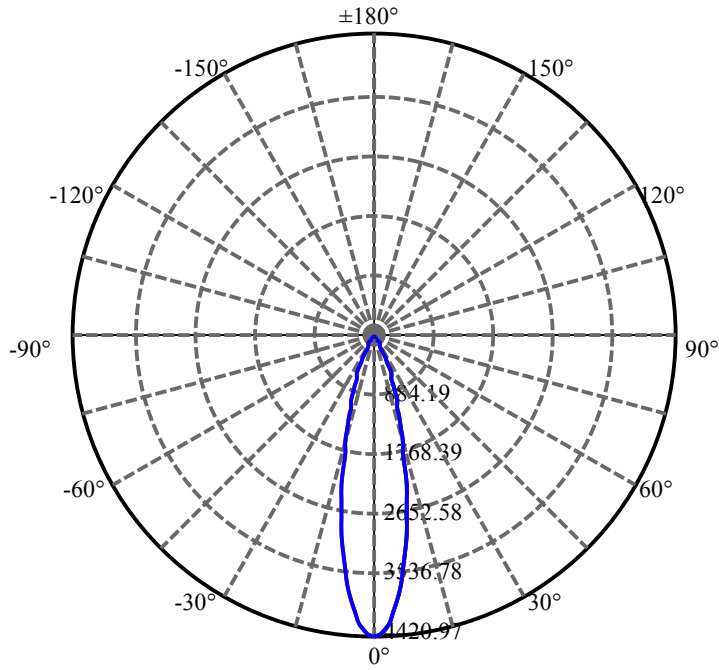
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.934	0.633	1056.14	.048%	99.204%
77.0	5.850	0.628	1056.768	.048%	99.263%
78.0	5.787	0.623	1057.391	.047%	99.321%
79.0	5.723	0.618	1058.01	.047%	99.380%
80.0	5.674	0.614	1058.624	.047%	99.437%
81.0	5.653	0.613	1059.237	.047%	99.495%
82.0	5.660	0.613	1059.85	.047%	99.552%
83.0	5.716	0.618	1060.469	.047%	99.611%
84.0	5.766	0.626	1061.094	.048%	99.669%
85.0	5.794	0.631	1061.725	.048%	99.729%
86.0	5.555	0.620	1062.345	.047%	99.787%
87.0	5.189	0.588	1062.933	.045%	99.842%
88.0	5.133	0.565	1063.499	.043%	99.895%
89.0	5.077	0.560	1064.058	.043%	99.948%
90.0	5.070	0.556	1064.615	.042%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	989.41	75.18%	92.94%
0-40	1023.17	77.75%	96.11%
0-60	1045.37	79.44%	98.19%
0-90	1064.06	80.86%	99.95%
0-120	1064.06	80.86%	99.95%
0-180	1064.61	80.90%	100.00%
60-90	19.39	1.47%	1.82%
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%
0-22.38	851.69	64.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	333.13
10-20	445.54
20-30	210.74
30-40	33.76
40-50	14.30
50-60	7.90
60-70	6.89
70-80	6.37
80-90	5.43
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



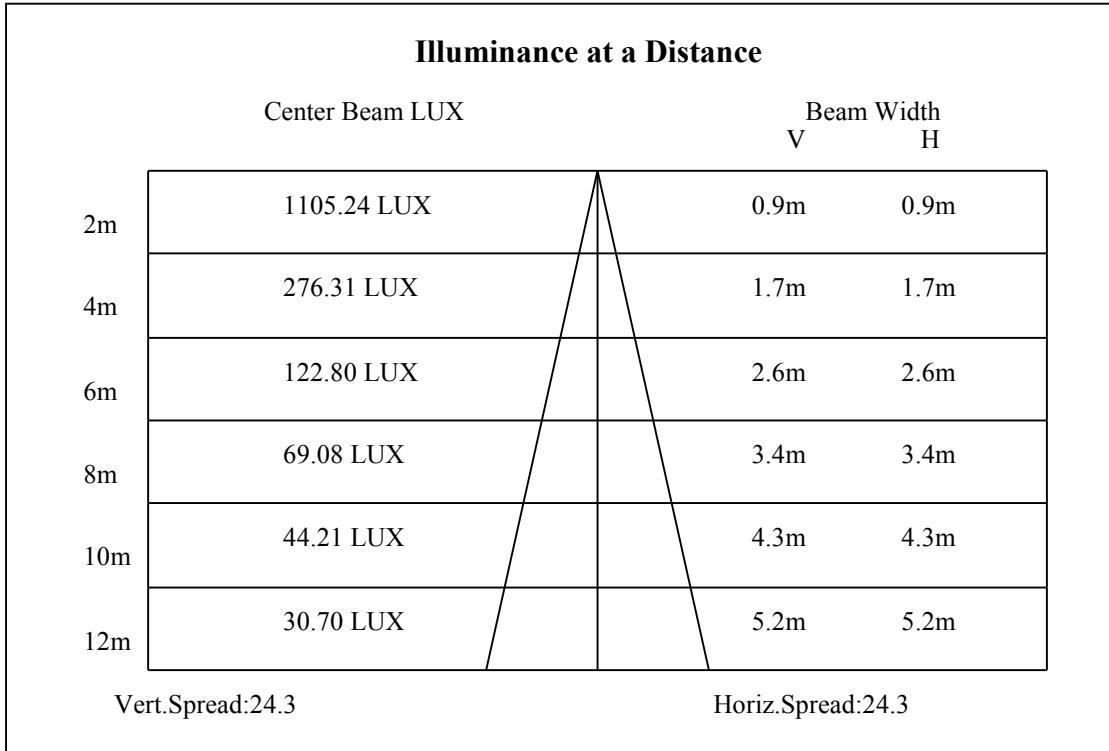
C0(Max): —————

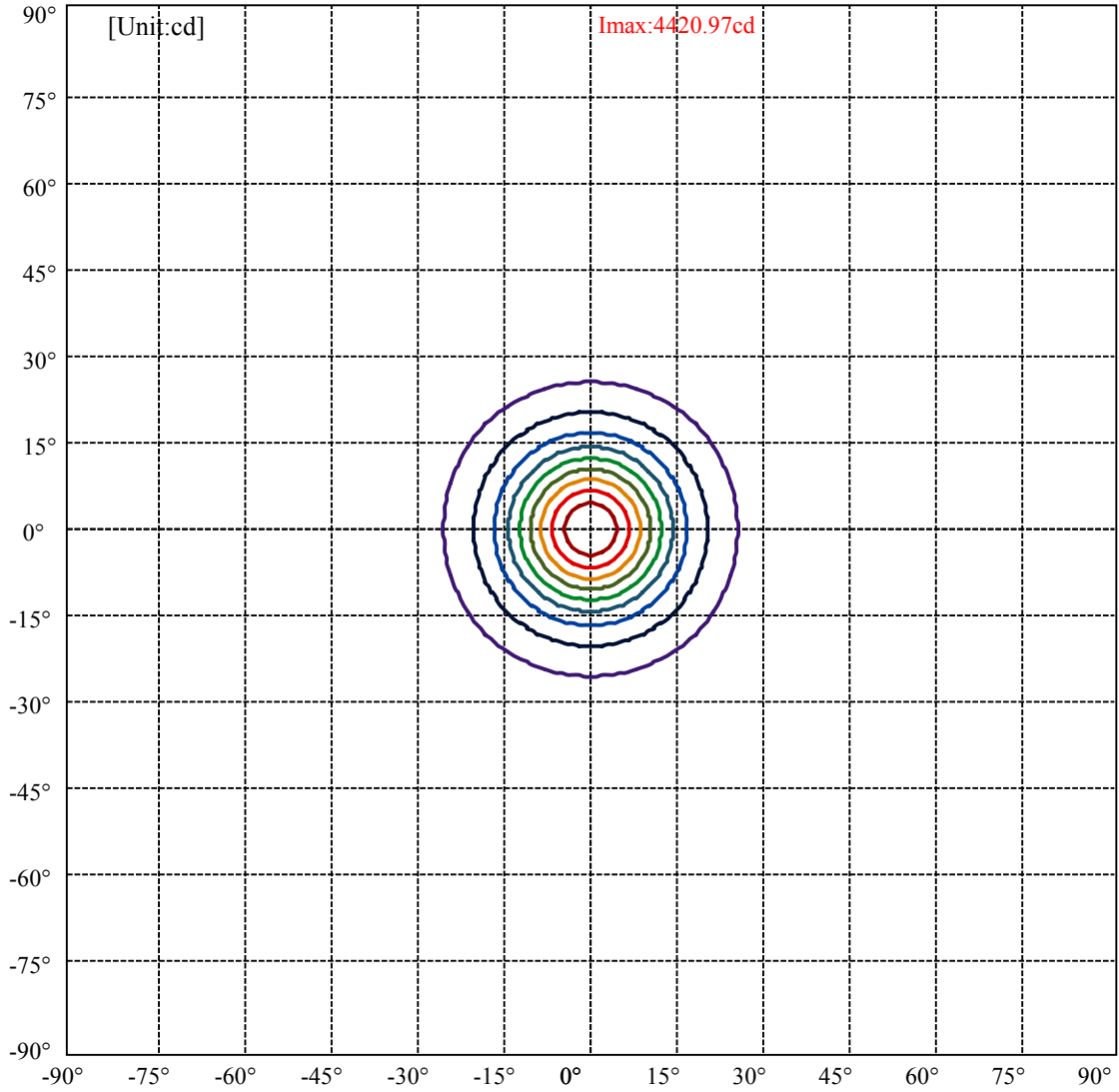
C0/C180: —————

C90/C270: —————

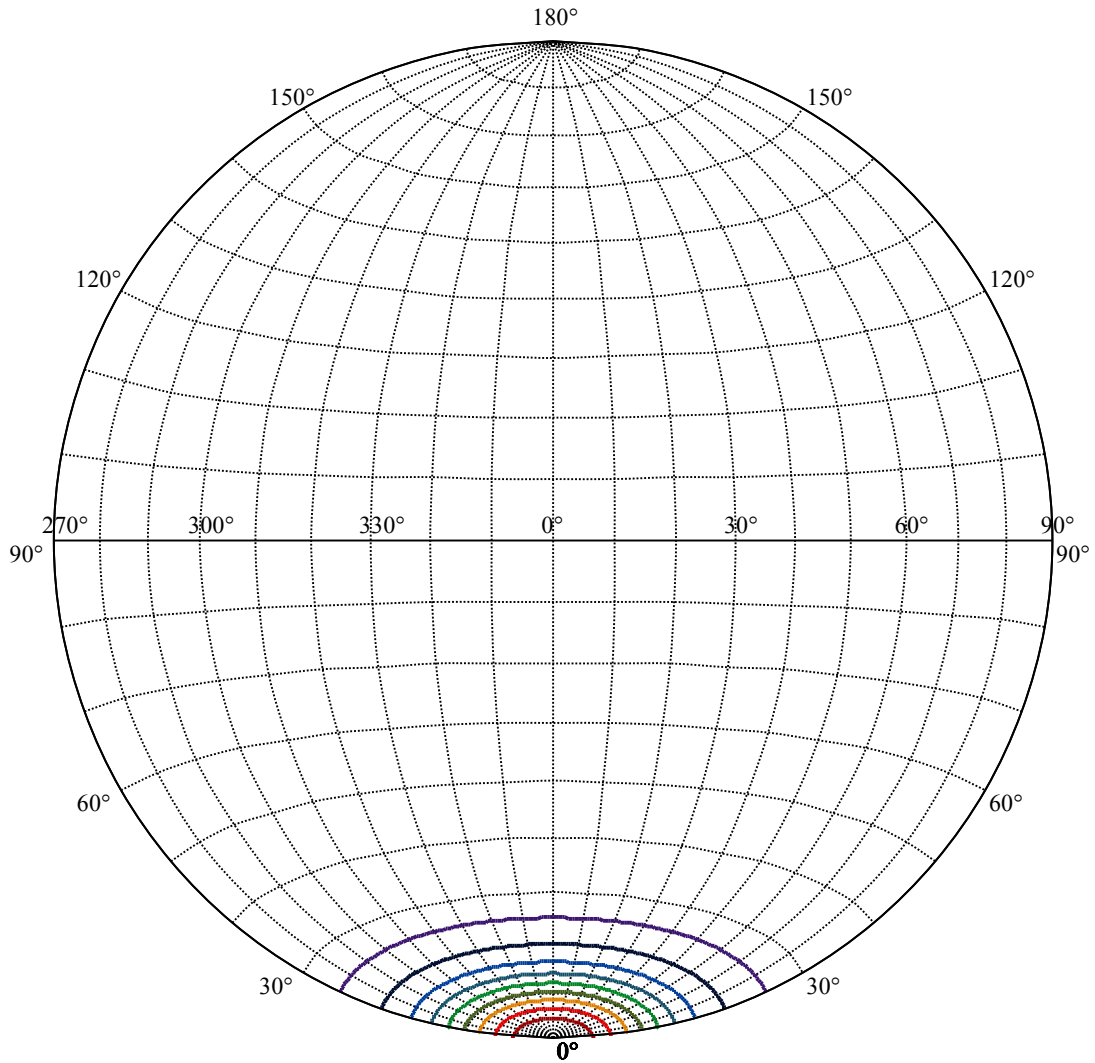
Field angle(10%Imax):C0/180Left:25.2 Right:25.2
:C90/270Left:25.2 Right:25.2

Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1
:C90/270Left:12.1 Right:12.1





(10%Imax) 442.097	—
(20%Imax) 884.194	—
(30%Imax) 1326.29	—
(40%Imax) 1768.39	—
(50%Imax) 2210.48	—
(60%Imax) 2652.58	—
(70%Imax) 3094.68	—
(80%Imax) 3536.77	—
(90%Imax) 3978.87	—



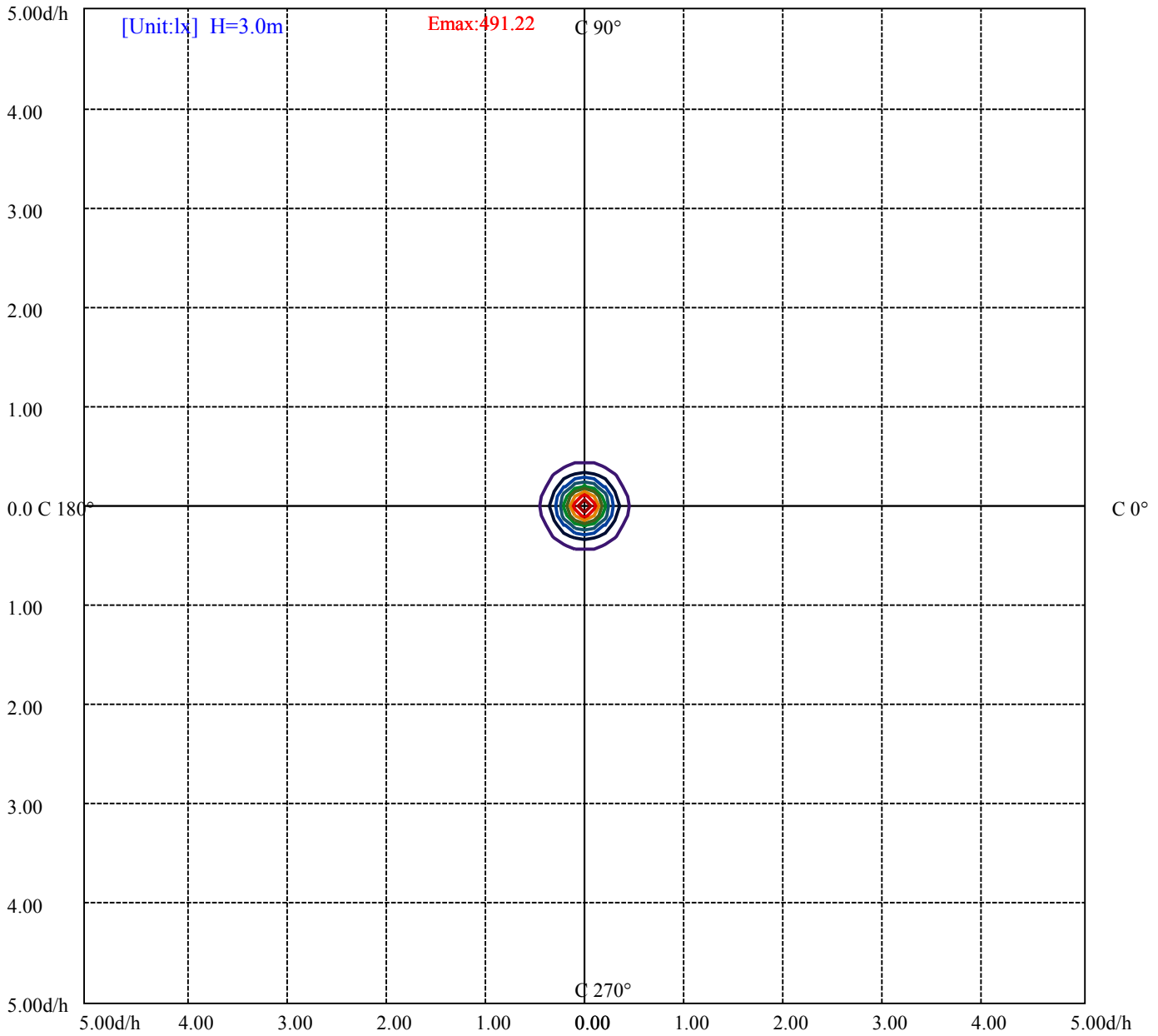
House

[Unit:cd]

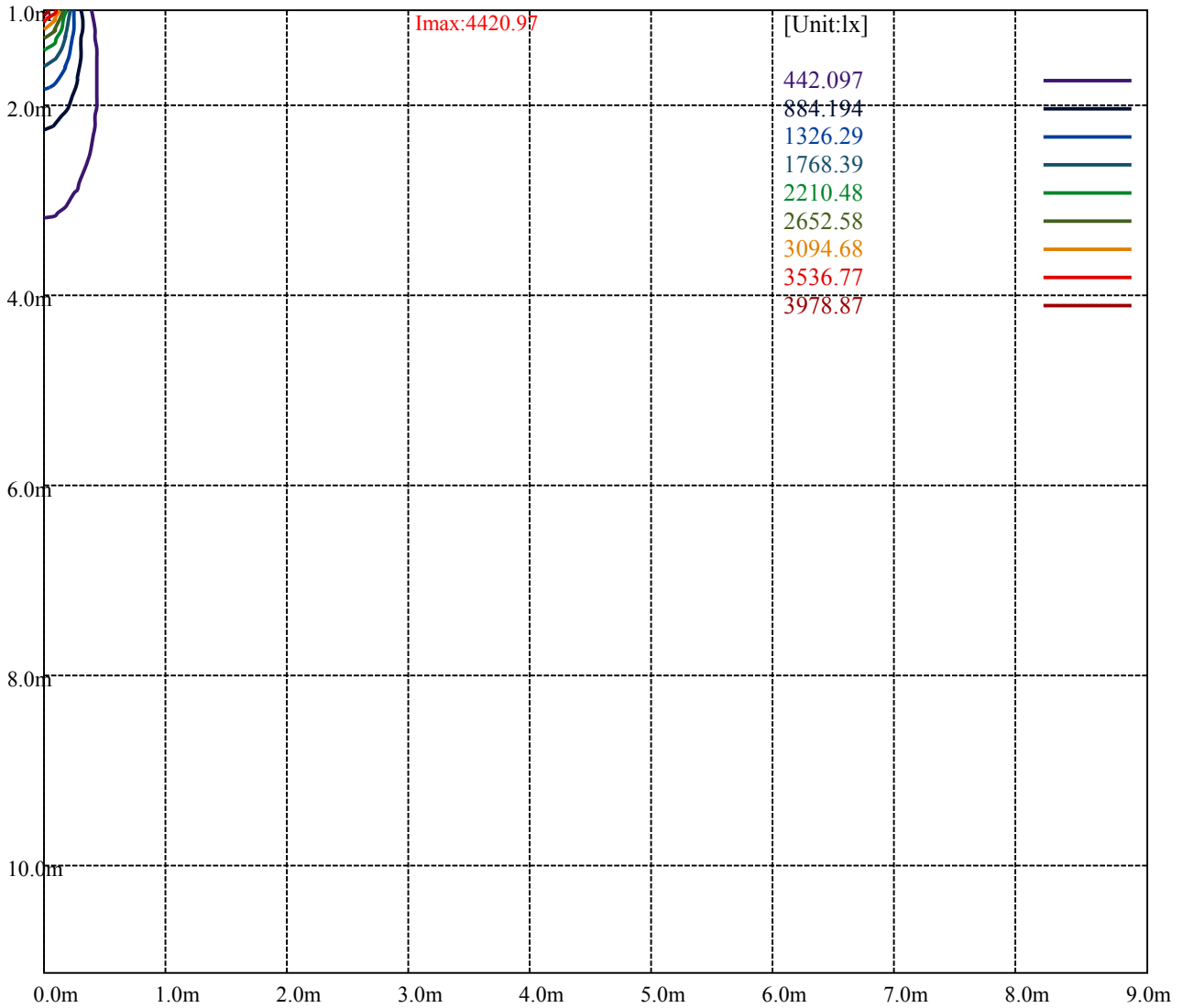
Road

Imax:4420.97

(10%Imax) 442.097	—
(20%Imax) 884.194	—
(30%Imax) 1326.29	—
(40%Imax) 1768.39	—
(50%Imax) 2210.48	—
(60%Imax) 2652.58	—
(70%Imax) 3094.68	—
(80%Imax) 3536.77	—
(90%Imax) 3978.87	—



- (10%Emax) 49.12189
- (20%Emax) 98.24367
- (30%Emax) 147.3656
- (40%Emax) 196.4878
- (50%Emax) 245.6089
- (60%Emax) 294.7311
- (70%Emax) 343.8533
- (80%Emax) 392.9745
- (90%Emax) 442.0967



Luminance Table

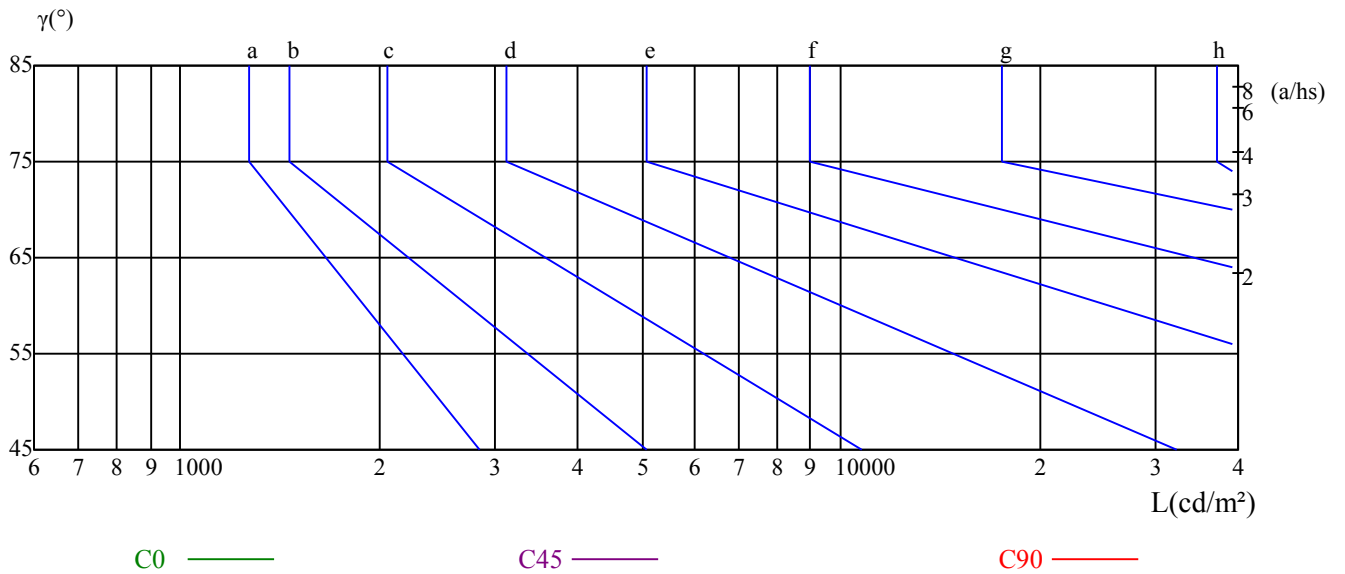
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

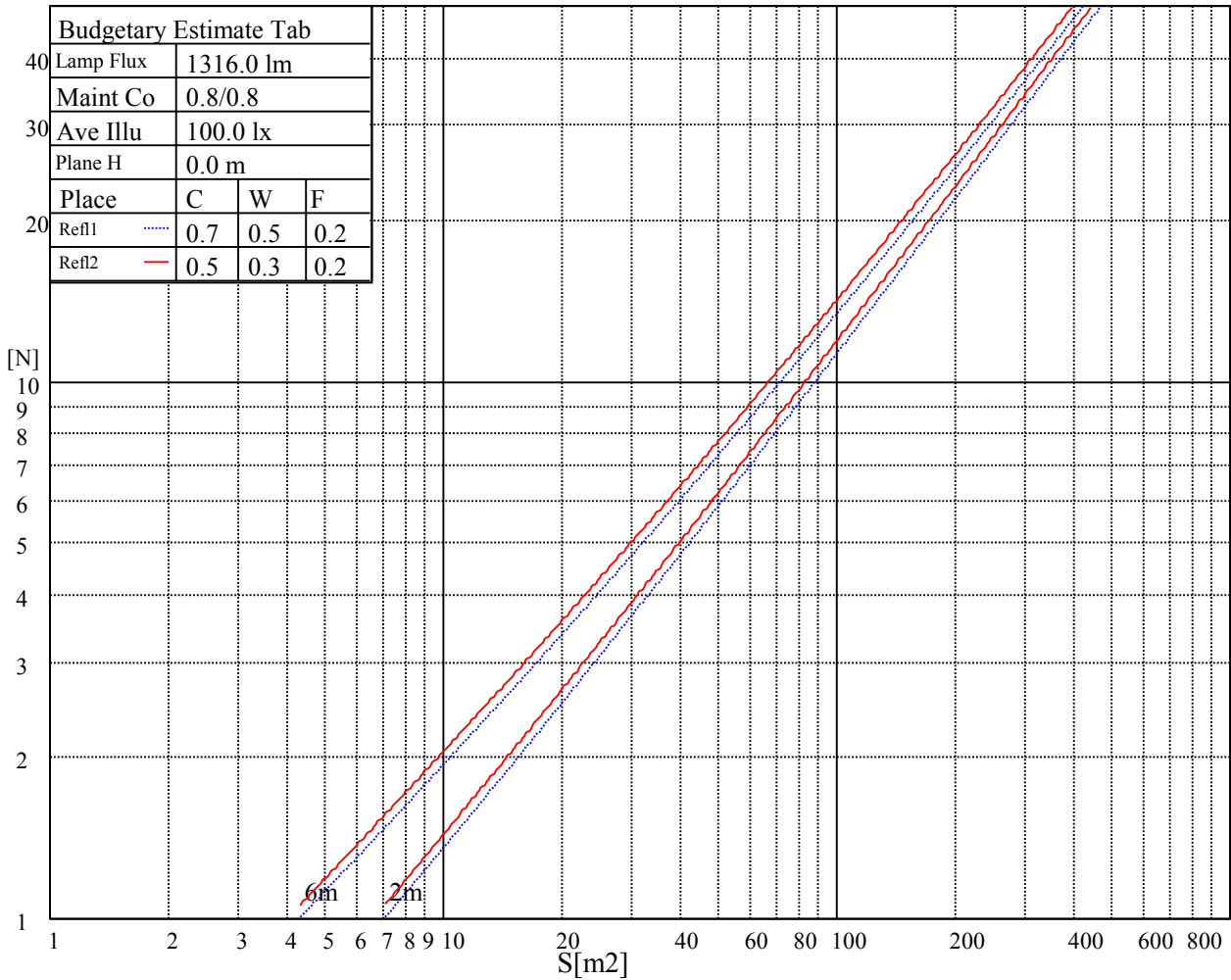
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

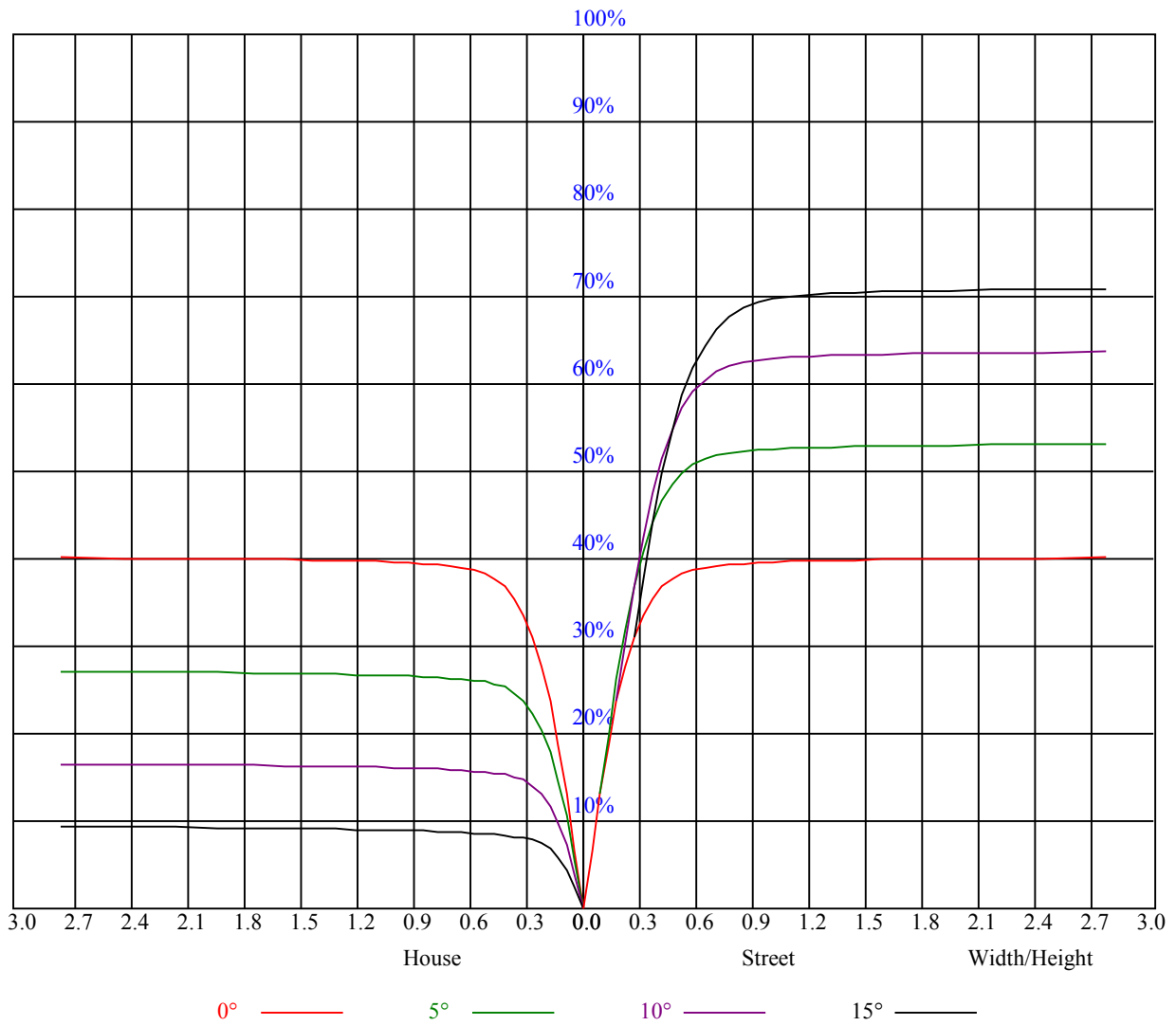


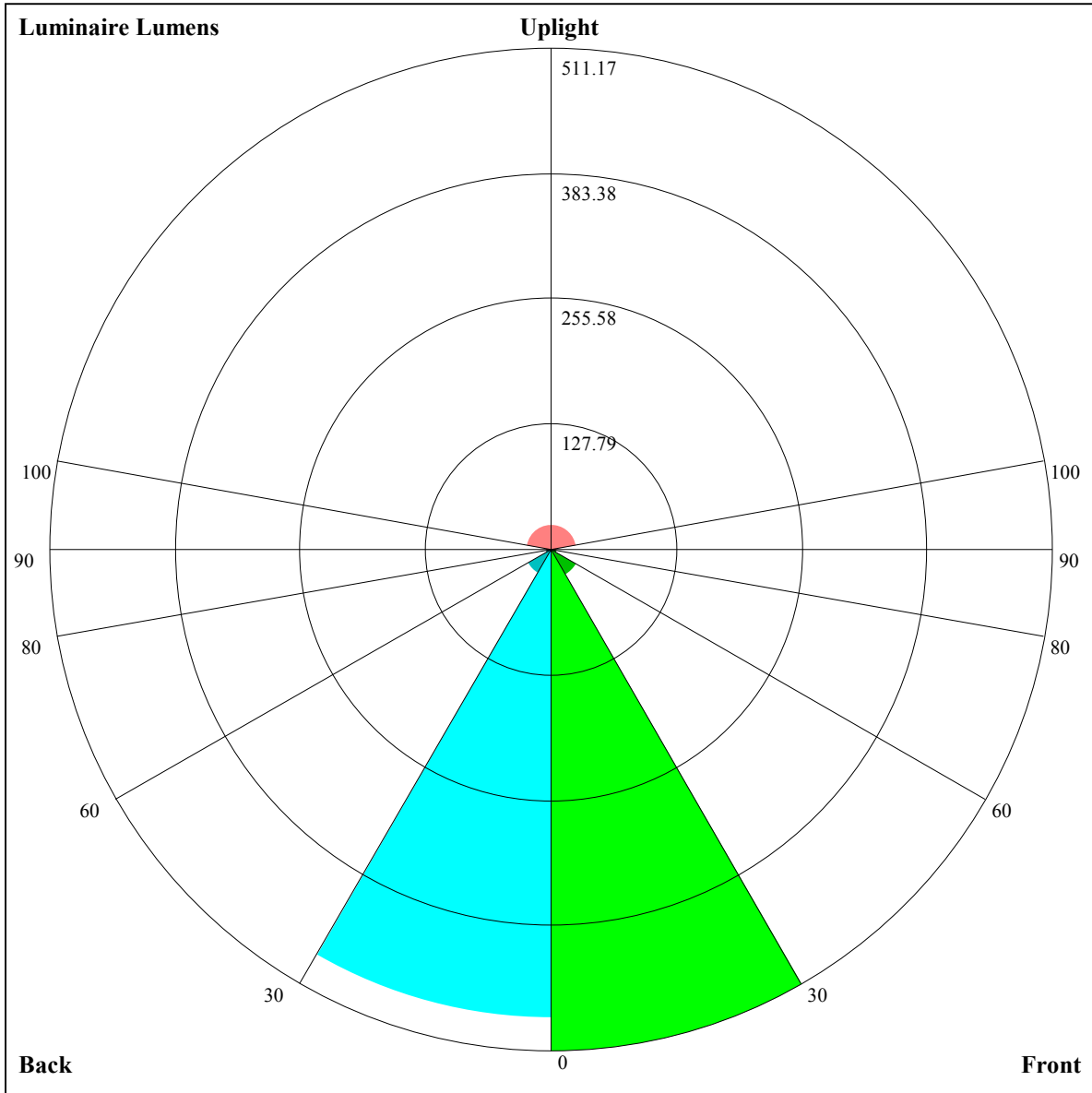
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOFC=20 CU															
0	0.96	0.96	0.96	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.83	0.83	0.83	0.81
1	0.91	0.89	0.87	0.89	0.87	0.86	0.86	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.79	0.77
2	0.86	0.83	0.81	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.79	0.76	0.81	0.78	0.76	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.74	0.72	0.71
4	0.78	0.75	0.72	0.78	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.73	0.71	0.70	0.68
5	0.75	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.71	0.69	0.67	0.66
6	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.63	0.62
8	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
9	0.65	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58
10	0.63	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.56





Luminaire Lumens:

FL=511.17,FM=29.88,FH=6.68,FVH=3.07

BL=477.98,BM=27.32,BH=6.63,BVH=3.05

UL=5.53,UH=26.32

BUG Rating:B1-U2-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	4416.19	4445.44	4415.63	4347.56	4222.69	4058.44	3886.88	3661.88	3462.19
45.0	4418.44	4418.44	4367.25	4282.31	4162.50	3970.69	3781.69	3576.38	3332.81
90.0	4417.88	4379.63	4319.44	4185.00	4039.31	3867.19	3620.25	3398.06	3173.06
135.0	4431.38	4394.81	4322.25	4213.69	4058.44	3865.50	3677.06	3429.56	3215.25
180.0	4416.19	4357.13	4259.81	4079.25	3909.38	3723.75	3459.94	3238.88	3010.50
225.0	4418.44	4377.94	4293.00	4149.00	3995.44	3789.56	3585.38	3348.00	3096.00
270.0	4417.88	4406.63	4354.31	4265.44	4116.94	3951.00	3733.31	3524.63	3279.94
315.0	4431.38	4412.81	4361.06	4235.06	4105.69	3929.06	3717.00	3488.06	3276.00
360.0	4416.19	4445.44	4415.63	4347.56	4222.69	4058.44	3886.88	3661.88	3462.19
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3222.56	2961.00	2729.81	2498.06	2224.13	2008.69	1805.06	1575.56	1410.75
45.0	3084.19	2844.56	2581.31	2353.50	2107.69	1875.94	1686.38	1492.31	1320.19
90.0	2904.75	2640.38	2413.69	2169.56	1936.69	1739.81	1539.00	1378.13	1102.73
135.0	2959.31	2693.25	2456.44	2226.38	1956.38	1755.56	1581.19	1375.88	1126.38
180.0	2709.00	2469.38	2244.38	1976.06	1799.44	1591.88	1388.25	1261.13	1114.03
225.0	2867.63	2606.06	2348.44	2128.50	1914.75	1677.38	1508.06	1350.56	1114.93
270.0	3029.63	2770.31	2545.88	2319.75	2075.63	1847.81	1663.31	1494.00	1306.13
315.0	3021.19	2783.25	2522.81	2269.13	2052.56	1825.88	1624.50	1458.00	1305.00
360.0	3222.56	2961.00	2729.81	2498.06	2224.13	2008.69	1805.06	1575.56	1410.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1263.94	1123.88	995.06	891.56	785.81	695.81	619.88	531.56	457.31
45.0	1182.38	1058.06	926.44	830.25	739.69	640.69	567.56	494.44	417.94
90.0	1072.52	963.45	862.54	751.50	670.50	594.17	500.96	430.82	365.40
135.0	1106.44	972.00	864.00	774.00	678.94	594.56	520.88	438.19	371.25
180.0	984.60	881.33	789.08	697.22	611.44	535.11	463.22	378.11	312.41
225.0	1059.64	954.51	857.87	747.68	667.69	589.05	504.00	424.63	356.74
270.0	1173.94	1058.63	932.06	835.31	749.81	662.63	573.75	498.38	413.44
315.0	1111.11	1027.29	922.28	801.79	718.59	639.79	541.13	467.89	396.39
360.0	1263.94	1123.88	995.06	891.56	785.81	695.81	619.88	531.56	457.31
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	377.44	300.94	285.19	187.43	133.59	99.23	72.84	55.18	47.42
45.0	343.13	290.81	217.69	169.09	123.64	87.30	64.24	49.33	42.36
90.0	294.08	230.85	180.51	131.34	96.81	68.51	52.03	44.38	40.28
135.0	296.44	288.56	177.02	133.76	97.20	66.43	53.33	45.62	40.22
180.0	252.34	194.46	142.88	106.93	74.81	57.49	48.54	43.37	39.99
225.0	286.20	229.05	173.93	128.98	96.64	69.86	54.79	47.59	43.59
270.0	344.25	286.88	208.24	161.04	116.89	82.80	62.33	50.85	44.27
315.0	310.44	256.78	195.30	140.40	109.18	77.51	57.54	49.67	45.17
360.0	377.44	300.94	285.19	187.43	133.59	99.23	72.84	55.18	47.42
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	43.20	39.94	35.61	33.08	30.60	27.56	25.43	23.57	21.49
45.0	38.93	35.89	32.12	30.21	27.73	25.37	23.51	21.71	19.97
90.0	36.84	34.03	31.56	28.63	26.33	24.36	22.11	20.42	19.07
135.0	36.96	33.98	30.94	28.86	26.55	24.36	22.22	20.64	19.18
180.0	36.34	33.02	30.71	27.73	25.26	23.34	21.54	19.69	18.28
225.0	39.43	36.06	33.41	29.98	27.34	25.31	23.18	21.09	19.74
270.0	41.06	38.08	34.76	32.01	29.42	26.78	24.41	22.56	20.59
315.0	40.22	37.46	34.54	31.56	28.58	26.33	24.08	21.94	20.31
360.0	43.20	39.94	35.61	33.08	30.60	27.56	25.43	23.57	21.49

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	19.86	18.17	16.48	15.36	14.01	12.77	11.98	11.08	9.96
45.0	18.56	17.04	15.47	14.57	13.22	12.21	11.36	10.46	9.51
90.0	17.21	15.75	14.68	13.33	12.38	11.53	10.46	9.68	9.00
135.0	17.61	16.03	14.85	13.78	12.54	11.59	10.86	9.96	9.06
180.0	16.65	15.19	14.06	12.94	11.93	11.14	10.18	9.39	8.89
225.0	17.94	16.26	15.08	13.67	12.54	11.70	10.69	9.84	9.28
270.0	19.35	17.27	15.81	14.74	13.56	12.21	11.42	10.46	9.51
315.0	18.73	16.88	15.47	14.23	13.05	12.04	11.08	10.13	9.39
360.0	19.86	18.17	16.48	15.36	14.01	12.77	11.98	11.08	9.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.34	8.89	8.44	8.10	7.88	7.71	7.48	7.31	7.20
45.0	8.94	8.61	8.16	7.88	7.65	7.54	7.37	7.26	7.14
90.0	8.49	8.21	7.93	7.59	7.48	7.31	7.20	7.09	7.03
135.0	8.66	8.38	7.99	7.71	7.59	7.43	7.31	7.20	7.09
180.0	8.49	8.10	7.88	7.71	7.48	7.37	7.26	7.14	7.09
225.0	8.83	8.44	8.10	7.88	7.65	7.48	7.37	7.26	7.14
270.0	9.06	8.72	8.33	8.04	7.82	7.59	7.48	7.37	7.26
315.0	8.89	8.49	8.16	7.82	7.59	7.43	7.31	7.20	7.09
360.0	9.34	8.89	8.44	8.10	7.88	7.71	7.48	7.31	7.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.09	7.03	6.98	7.09	6.92	6.69	6.64	6.53	6.41
45.0	7.03	6.98	7.09	6.98	6.86	6.75	6.58	6.53	6.47
90.0	6.92	6.98	7.09	6.92	6.81	6.69	6.58	6.53	6.47
135.0	6.98	6.98	7.03	6.92	6.75	6.64	6.53	6.41	6.36
180.0	7.03	7.09	6.92	6.75	6.64	6.53	6.41	6.36	6.19
225.0	7.09	7.14	7.09	6.86	6.75	6.58	6.47	6.41	6.30
270.0	7.14	7.20	7.31	7.14	6.98	6.81	6.69	6.64	6.58
315.0	7.03	6.98	7.09	6.98	6.81	6.64	6.53	6.47	6.36
360.0	7.09	7.03	6.98	7.09	6.92	6.69	6.64	6.53	6.41
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.36	6.24	6.08	6.02	5.96	5.85	5.79	5.74	5.63
45.0	6.30	6.19	6.13	6.02	5.96	5.85	5.74	5.68	5.57
90.0	6.30	6.24	6.19	6.13	6.08	6.02	5.96	5.91	5.91
135.0	6.24	6.13	6.02	5.91	5.85	5.79	5.74	5.68	5.63
180.0	6.08	6.02	5.96	5.85	5.79	5.68	5.63	5.57	5.51
225.0	6.13	6.02	6.02	5.91	5.85	5.74	5.68	5.57	5.57
270.0	6.41	6.30	6.24	6.19	6.13	6.08	6.02	5.96	5.96
315.0	6.19	6.08	6.02	5.96	5.85	5.79	5.74	5.68	5.63
360.0	6.36	6.24	6.08	6.02	5.96	5.85	5.79	5.74	5.63
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.57	5.51	5.46	5.40	5.34	5.29	5.23	5.23	5.12
45.0	5.57	5.51	5.46	5.34	5.34	5.29	5.23	5.18	5.12
90.0	5.91	5.96	6.24	6.58	6.58	5.34	5.18	5.12	5.06
135.0	5.57	5.51	5.46	5.40	5.34	5.23	5.18	5.12	5.06
180.0	5.46	5.40	5.34	5.34	5.29	5.18	5.12	5.06	5.06
225.0	5.51	5.46	5.46	5.34	5.34	5.23	5.18	5.12	5.06
270.0	6.08	6.41	6.81	7.26	7.65	7.54	5.23	5.12	5.06
315.0	5.57	5.51	5.51	5.46	5.46	5.34	5.18	5.12	5.06
360.0	5.57	5.51	5.46	5.40	5.34	5.29	5.23	5.23	5.12

Intensity data(cd)

C/ γ (°)	90.0
0.0	5.06
45.0	5.06
90.0	5.06
135.0	5.06
180.0	5.06
225.0	5.12
270.0	5.06
315.0	5.06
360.0	5.06