



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 1-0935-N	
Luminaire: 92.70.246.00	
Report No: 200728-B013	Voltage(V): 34.4900
Test No: 200728-C013	Current(A): 0.2860
LampCAT: SEOUL SAWX10	Power (W): 9.8640
Lamp flux(lm): 1316.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1041.19, Efficiency(%): 79.12% , Luminous Efficacy(lm/W): 105.55
Central intensity(cd): 5542.172, Maximum intensity(cd): 5542.172
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=18.6
 [C90/270]Total=18.6
Field angle(10%Imax): [C0/180]Total=46.8
 [C90/270]Total=46.8
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.36 C90_270=0.36
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 79.12%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.087%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/30
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5542.172	0.000	0	.000%	.000%
1.0	5539.500	5.302	5.302	.403%	.509%
2.0	5470.523	15.803	21.105	1.201%	2.027%
3.0	5300.156	25.760	46.865	1.957%	4.501%
4.0	5041.758	34.618	81.483	2.631%	7.826%
5.0	4673.742	41.796	123.278	3.176%	11.840%
6.0	4240.617	46.847	170.126	3.560%	16.339%
7.0	3795.469	49.880	220.005	3.790%	21.130%
8.0	3314.602	50.885	270.891	3.867%	26.017%
9.0	2898.352	50.353	321.243	3.826%	30.853%
10.0	2530.055	49.125	370.368	3.733%	35.572%
11.0	2220.469	47.467	417.836	3.607%	40.130%
12.0	1969.664	45.804	463.64	3.481%	44.530%
13.0	1751.977	44.166	507.807	3.356%	48.772%
14.0	1562.203	42.421	550.228	3.223%	52.846%
15.0	1407.375	40.768	590.995	3.098%	56.761%
16.0	1257.321	39.045	630.041	2.967%	60.511%
17.0	1132.566	37.217	667.258	2.828%	64.086%
18.0	1025.360	35.580	702.837	2.704%	67.503%
19.0	927.991	33.984	736.822	2.582%	70.767%
20.0	826.488	32.112	768.933	2.440%	73.851%
21.0	736.263	30.008	798.941	2.280%	76.733%
22.0	661.170	28.082	827.023	2.134%	79.430%
23.0	583.137	26.109	853.132	1.984%	81.938%
24.0	503.986	23.768	876.901	1.806%	84.221%
25.0	435.326	21.358	898.259	1.623%	86.272%
26.0	363.713	18.861	917.12	1.433%	88.083%
27.0	300.248	16.244	933.364	1.234%	89.644%
28.0	251.902	13.979	947.343	1.062%	90.986%
29.0	185.618	11.447	958.79	.870%	92.086%
30.0	143.325	8.881	967.671	.675%	92.939%
31.0	106.699	6.958	974.629	.529%	93.607%
32.0	77.977	5.291	979.92	.402%	94.115%
33.0	60.314	4.074	983.994	.310%	94.506%
34.0	50.920	3.366	987.36	.256%	94.830%
35.0	44.726	2.970	990.331	.226%	95.115%
36.0	40.598	2.717	993.047	.206%	95.376%
37.0	37.280	2.540	995.587	.193%	95.620%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	33.961	2.378	997.965	.181%	95.848%
39.0	30.473	2.199	1000.165	.167%	96.059%
40.0	27.394	2.018	1002.183	.153%	96.253%
41.0	24.195	1.837	1004.02	.140%	96.430%
42.0	20.805	1.635	1005.655	.124%	96.587%
43.0	18.056	1.440	1007.094	.109%	96.725%
44.0	15.694	1.274	1008.368	.097%	96.847%
45.0	13.655	1.128	1009.496	.086%	96.956%
46.0	12.150	1.009	1010.505	.077%	97.053%
47.0	11.116	0.925	1011.431	.070%	97.141%
48.0	10.357	0.868	1012.299	.066%	97.225%
49.0	9.830	0.829	1013.128	.063%	97.304%
50.0	9.366	0.800	1013.928	.061%	97.381%
51.0	9.014	0.778	1014.706	.059%	97.456%
52.0	8.754	0.762	1015.468	.058%	97.529%
53.0	8.494	0.750	1016.218	.057%	97.601%
54.0	8.262	0.739	1016.957	.056%	97.672%
55.0	8.086	0.730	1017.686	.055%	97.742%
56.0	7.938	0.724	1018.411	.055%	97.812%
57.0	7.777	0.719	1019.129	.055%	97.881%
58.0	7.671	0.714	1019.843	.054%	97.949%
59.0	7.636	0.716	1020.559	.054%	98.018%
60.0	7.580	0.719	1021.278	.055%	98.087%
61.0	7.502	0.720	1021.998	.055%	98.156%
62.0	7.439	0.720	1022.718	.055%	98.225%
63.0	7.404	0.722	1023.44	.055%	98.295%
64.0	7.334	0.723	1024.163	.055%	98.364%
65.0	7.263	0.722	1024.885	.055%	98.434%
66.0	7.165	0.720	1025.605	.055%	98.503%
67.0	7.123	0.718	1026.323	.055%	98.572%
68.0	7.066	0.719	1027.042	.055%	98.641%
69.0	6.996	0.717	1027.76	.055%	98.710%
70.0	6.877	0.712	1028.472	.054%	98.778%
71.0	6.736	0.704	1029.176	.053%	98.846%
72.0	6.560	0.691	1029.867	.053%	98.912%
73.0	6.441	0.680	1030.547	.052%	98.977%
74.0	6.349	0.672	1031.219	.051%	99.042%
75.0	6.265	0.666	1031.886	.051%	99.106%

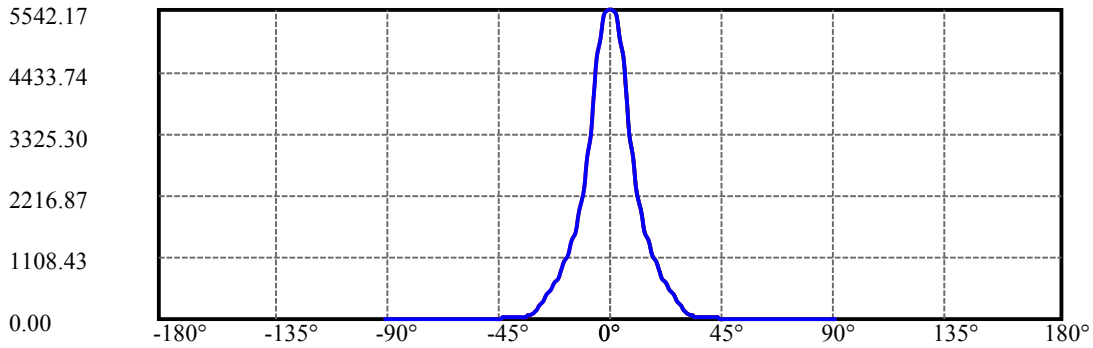
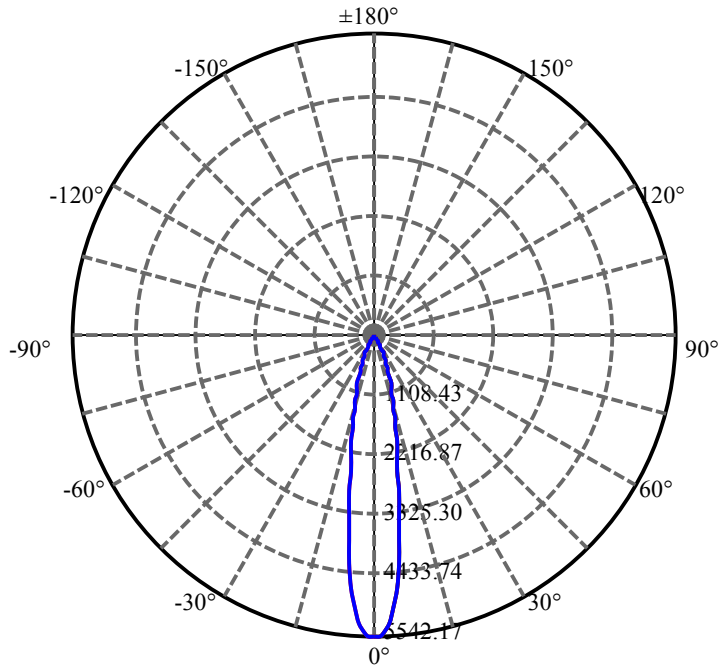
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.188	0.661	1032.547	.050%	99.169%
77.0	6.124	0.656	1033.203	.050%	99.233%
78.0	6.047	0.652	1033.855	.050%	99.295%
79.0	5.955	0.645	1034.499	.049%	99.357%
80.0	5.899	0.639	1035.139	.049%	99.418%
81.0	5.843	0.635	1035.774	.048%	99.479%
82.0	5.808	0.632	1036.405	.048%	99.540%
83.0	5.808	0.631	1037.037	.048%	99.601%
84.0	5.829	0.634	1037.671	.048%	99.662%
85.0	5.843	0.637	1038.308	.048%	99.723%
86.0	5.625	0.627	1038.935	.048%	99.783%
87.0	5.231	0.594	1039.529	.045%	99.840%
88.0	5.098	0.566	1040.095	.043%	99.894%
89.0	4.999	0.553	1040.648	.042%	99.948%
90.0	4.957	0.546	1041.194	.041%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	967.67	73.53%	92.94%
0-40	1002.18	76.15%	96.25%
0-60	1021.28	77.60%	98.09%
0-90	1040.65	79.08%	99.95%
0-120	1040.65	79.08%	99.95%
0-180	1041.19	79.12%	100.00%
60-90	20.09	1.53%	1.93%
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%
0-22.23	832.96	63.29%	80.00%

ZONAL LUMEN SUMMARY

0-10	370.37
10-20	398.56
20-30	198.74
30-40	34.51
40-50	11.75
50-60	7.35
60-70	7.19
70-80	6.67
80-90	5.51
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



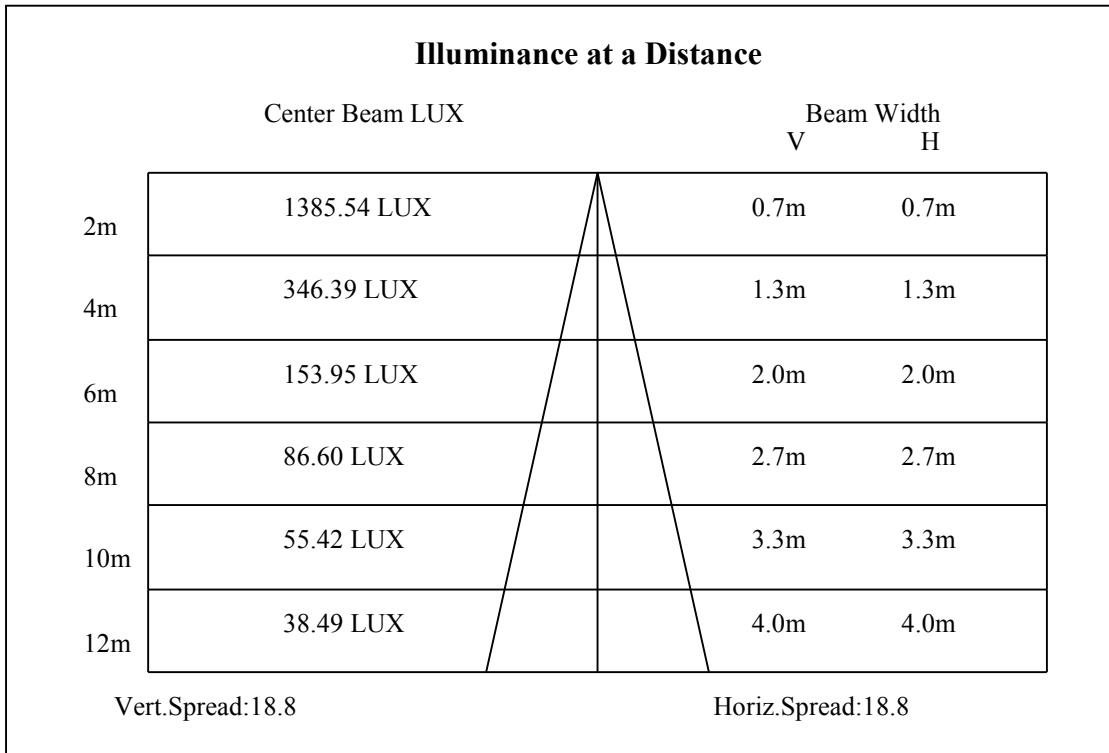
C0(Max): —————

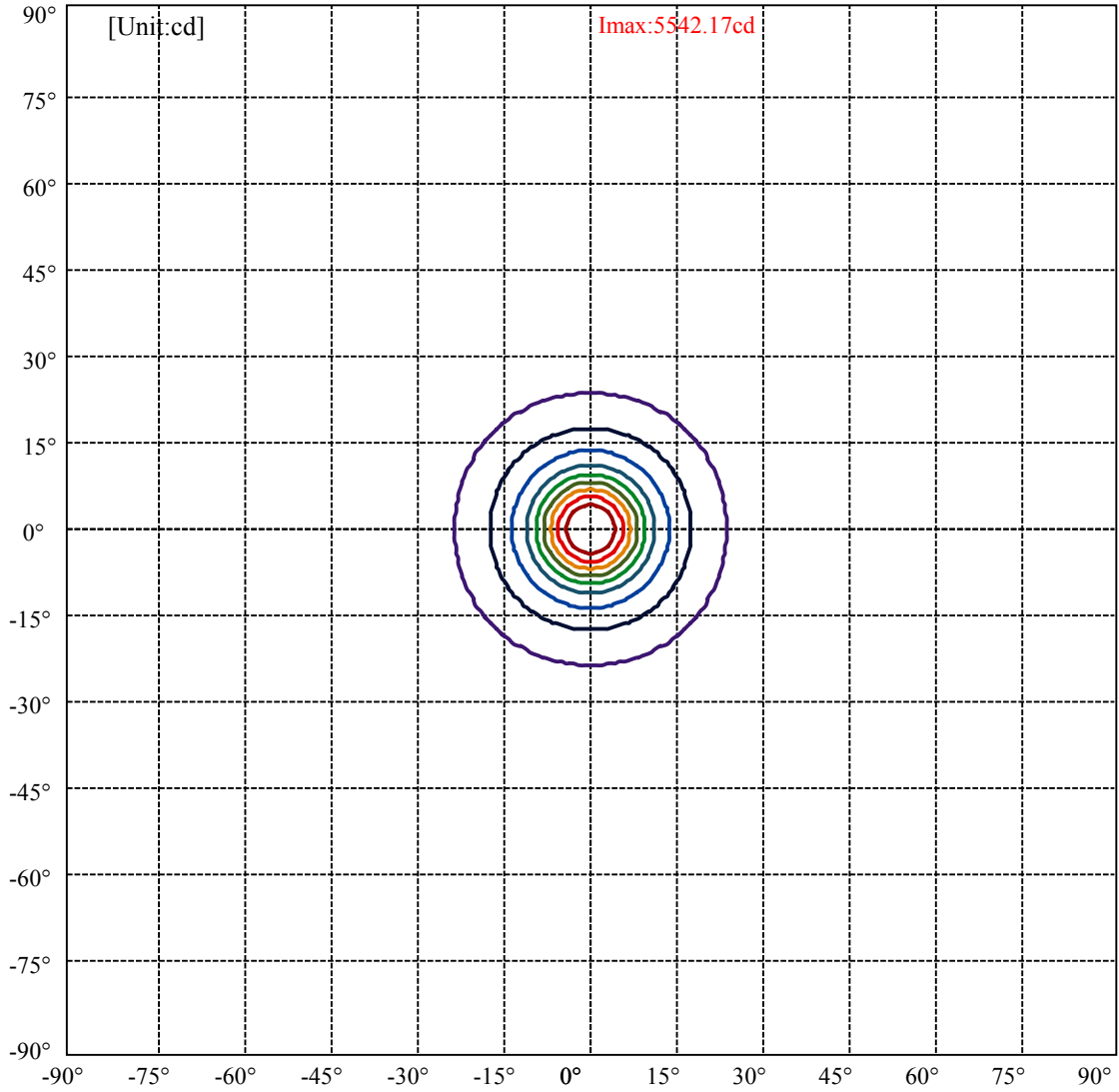
C0/C180: —————

C90/C270: —————

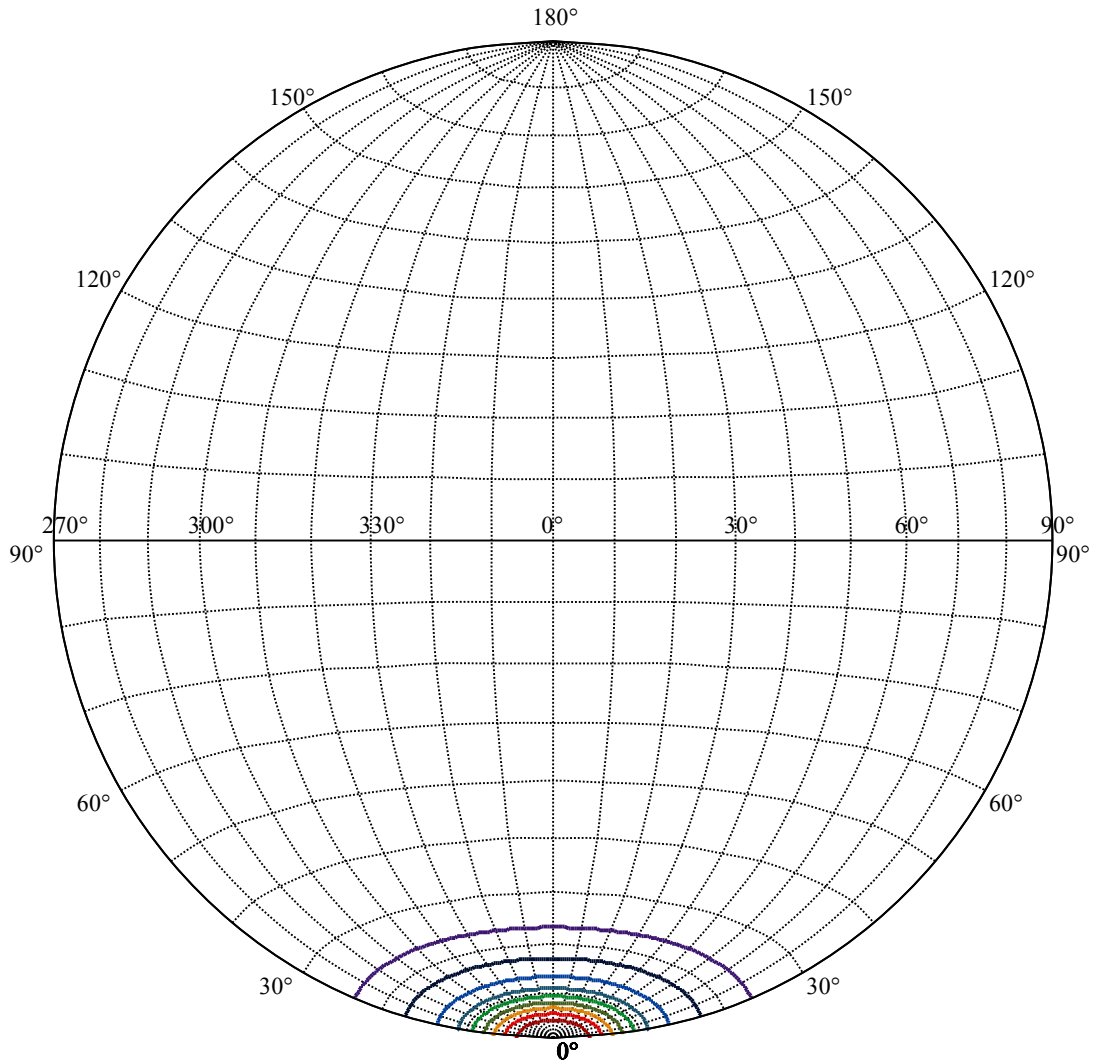
Field angle(10%Imax):C0/180Left:23.4 Right:23.4
:C90/270Left:23.4 Right:23.4

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3





(10%Imax) 554.217	—
(20%Imax) 1108.43	—
(30%Imax) 1662.65	—
(40%Imax) 2216.87	—
(50%Imax) 2771.09	—
(60%Imax) 3325.3	—
(70%Imax) 3879.52	—
(80%Imax) 4433.74	—
(90%Imax) 4987.95	—



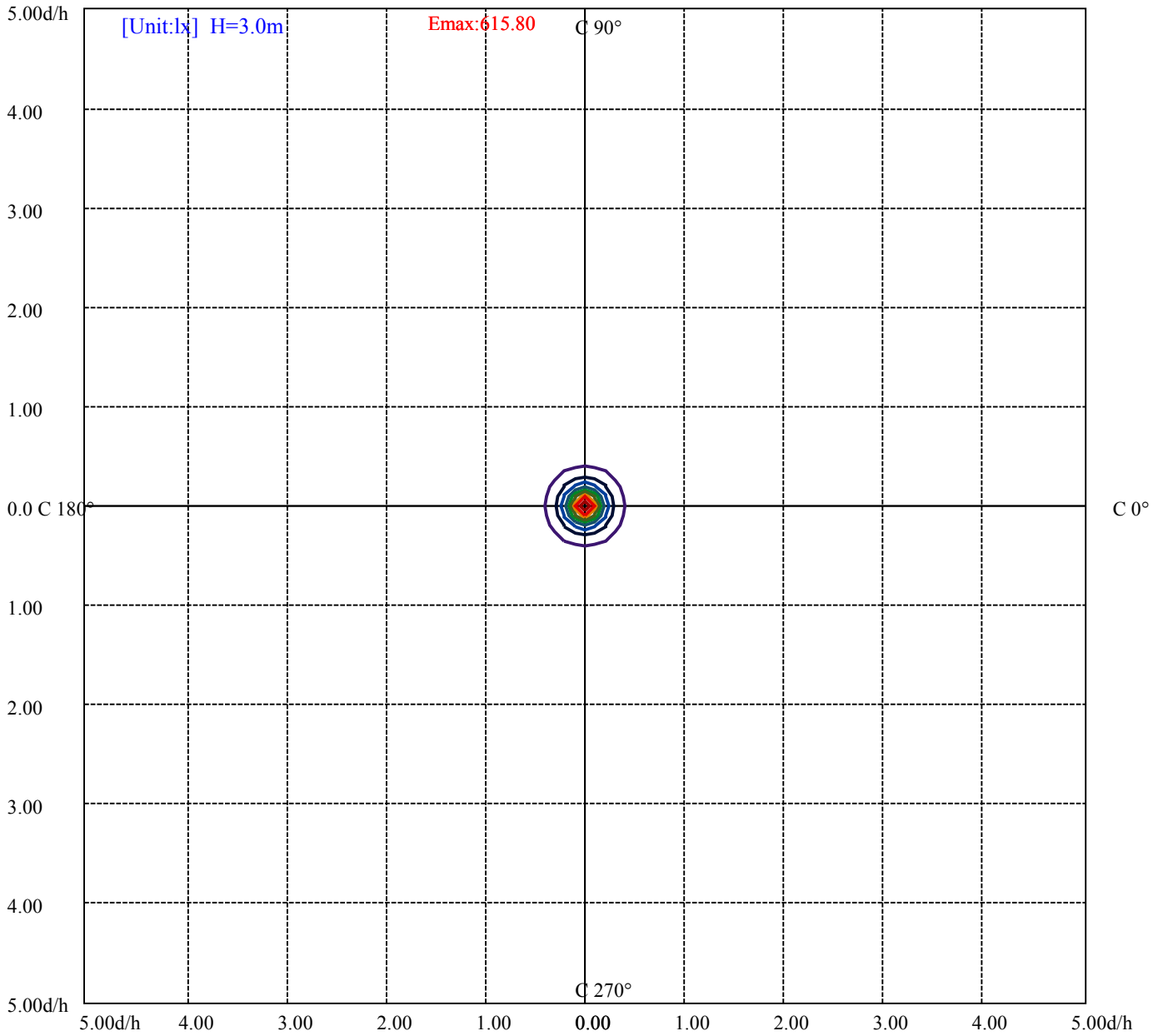
House

[Unit:cd]

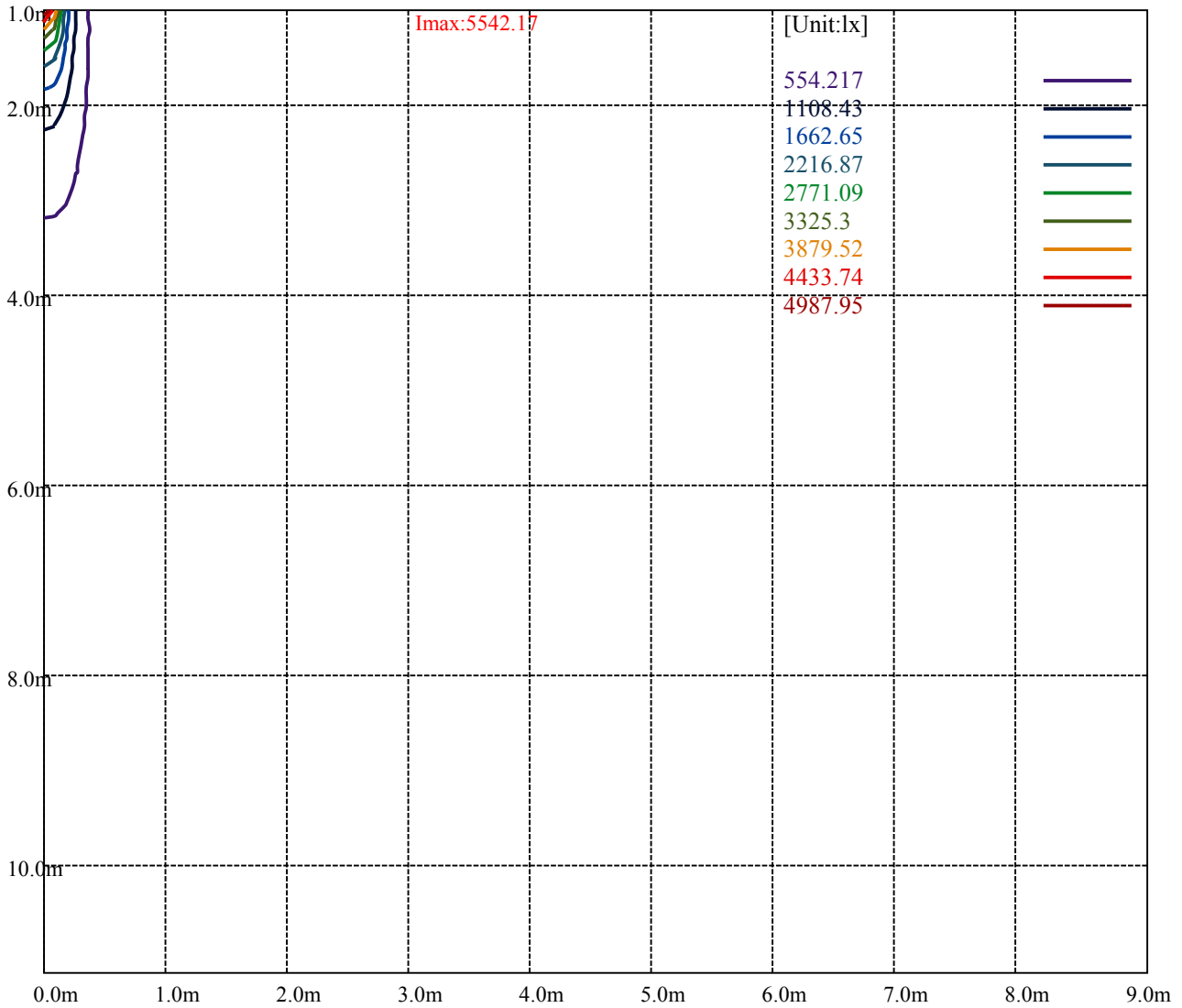
Road

Imax:5542.17

(10%Imax) 554.217	—
(20%Imax) 1108.43	—
(30%Imax) 1662.65	—
(40%Imax) 2216.87	—
(50%Imax) 2771.09	—
(60%Imax) 3325.3	—
(70%Imax) 3879.52	—
(80%Imax) 4433.74	—
(90%Imax) 4987.95	—



- (10%Emax) 61.57967
- (20%Emax) 123.1589
- (30%Emax) 184.7389
- (40%Emax) 246.3189
- (50%Emax) 307.8989
- (60%Emax) 369.4778
- (70%Emax) 431.0578
- (80%Emax) 492.6378
- (90%Emax) 554.2167



Luminance Table

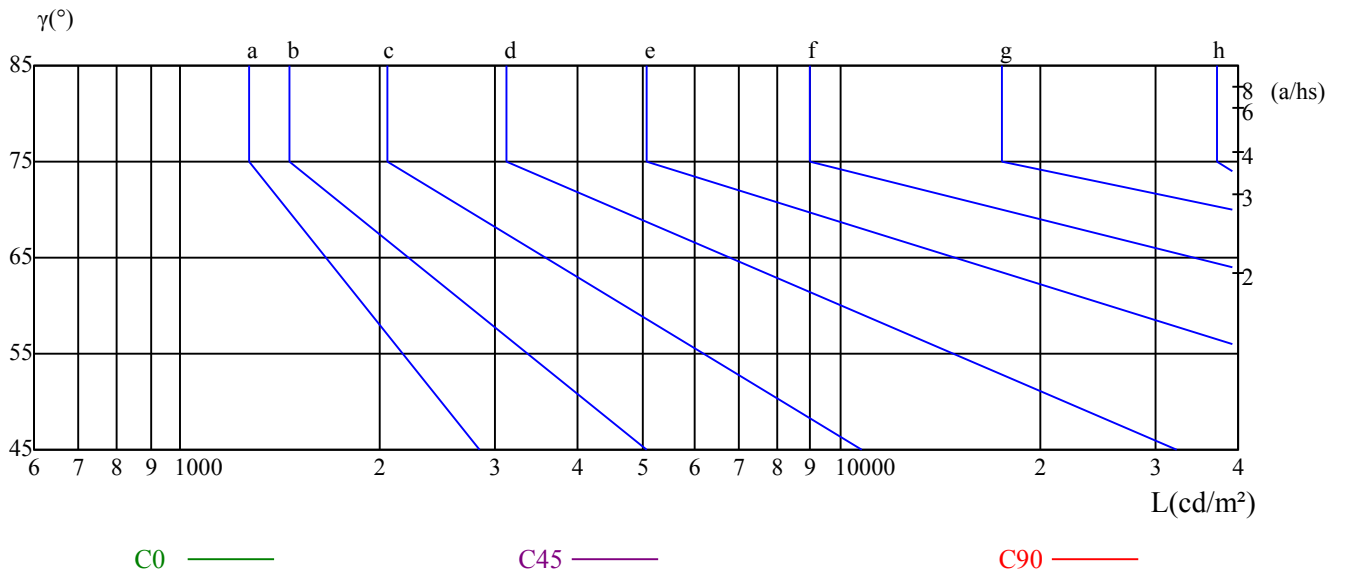
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

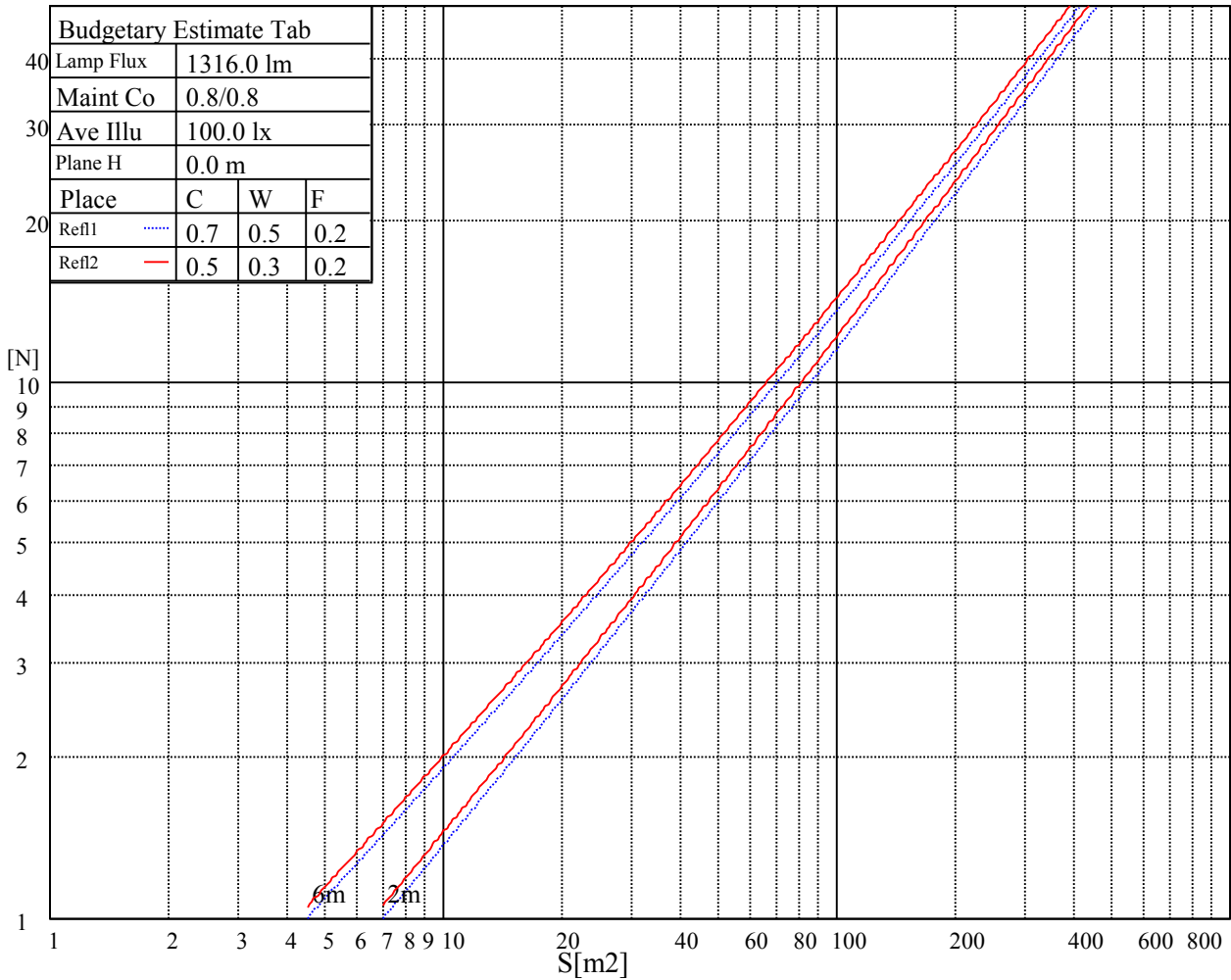
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

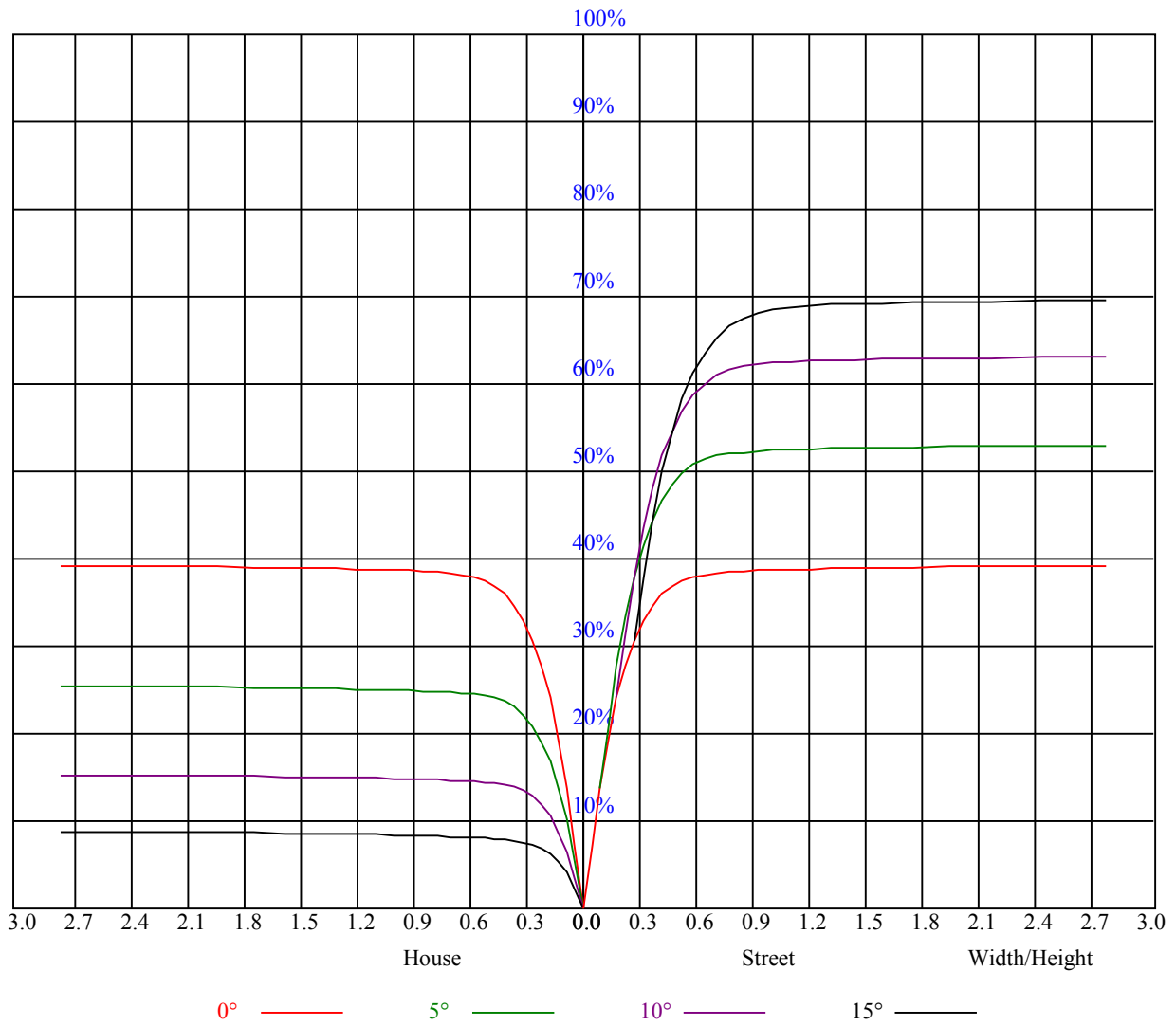


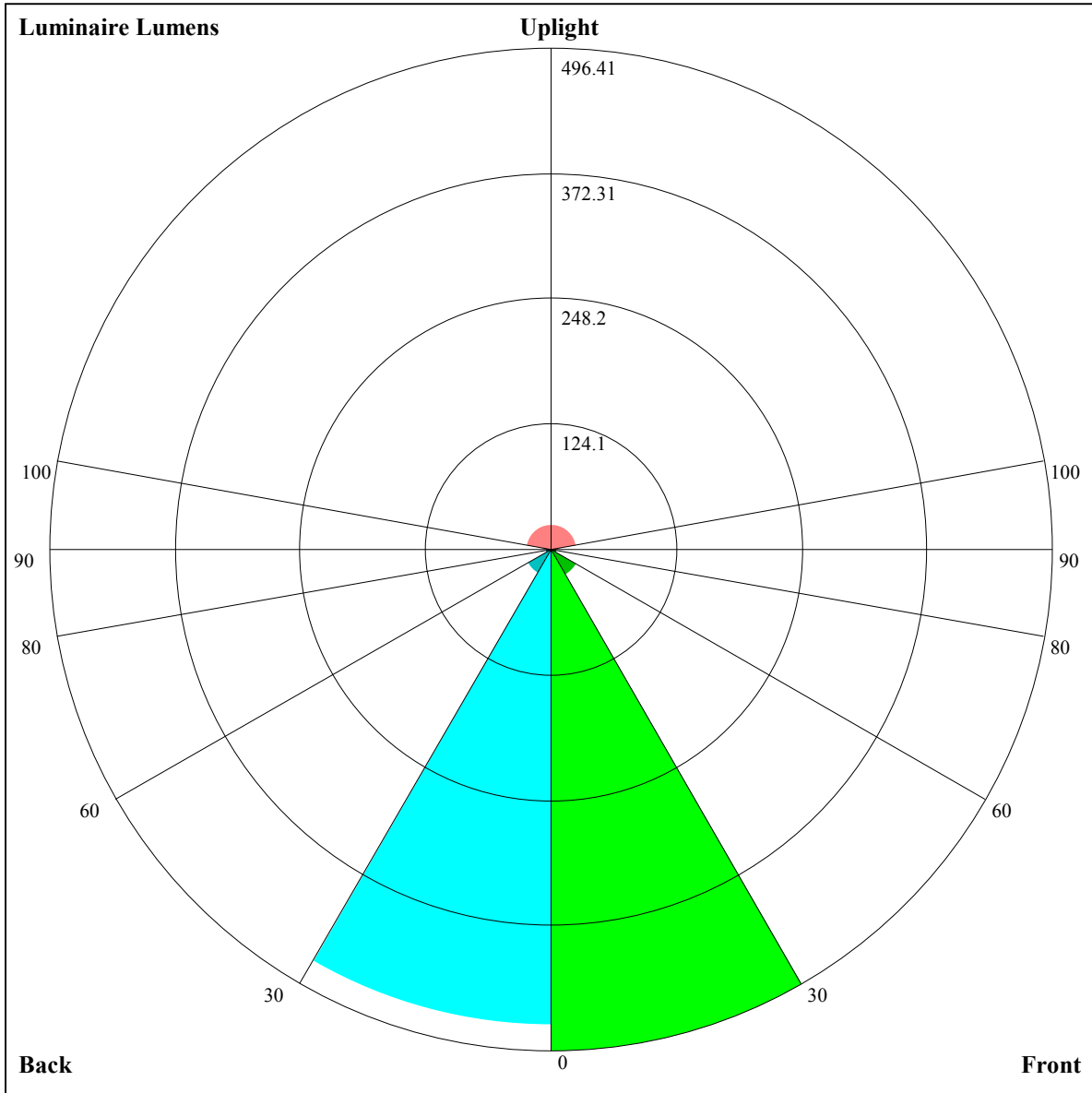
Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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
	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
8H	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
12H	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	0.94	0.94	0.94	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.81	0.81	0.81	0.79
1	0.89	0.87	0.86	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76
2	0.84	0.82	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.76	0.75	0.74	0.73
3	0.80	0.77	0.75	0.79	0.77	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.70
4	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.72	0.70	0.69	0.68
5	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.70	0.68	0.66	0.65
6	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.65	0.68	0.66	0.64	0.63
7	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
8	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.62	0.61	0.64	0.62	0.60	0.60
9	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.63	0.60	0.59	0.58
10	0.63	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.56





Luminaire Lumens:

FL=496.41,FM=28.36,FH=6.99,FVH=3.1

BL=471.71,BM=26.46,BH=6.9,BVH=3.07

UL=5.41,UH=25.74

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	5557.50	5566.50	5567.63	5506.88	5313.38	4995.00	4600.69	4182.19	3691.13
45.0	5536.13	5539.50	5531.06	5385.38	5155.88	4831.88	4431.38	3997.69	3543.75
90.0	5528.25	5530.50	5452.31	5243.06	4969.13	4599.00	4131.00	3674.81	3178.13
135.0	5546.81	5536.69	5472.56	5331.38	5075.44	4699.69	4246.31	3807.00	3311.44
180.0	5557.50	5529.94	5353.31	5114.81	4798.69	4314.94	3875.63	3430.13	2968.31
225.0	5536.13	5526.56	5404.50	5167.13	4859.44	4515.19	4099.50	3608.44	3137.06
270.0	5528.25	5533.88	5484.94	5330.81	5094.00	4749.19	4316.63	3879.00	3390.19
315.0	5546.81	5552.44	5497.88	5321.81	5068.13	4685.06	4223.81	3784.50	3296.81
360.0	5557.50	5566.50	5567.63	5506.88	5313.38	4995.00	4600.69	4182.19	3691.13
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3262.50	2827.13	2463.75	2185.88	1927.69	1707.19	1535.63	1382.63	1221.75
45.0	3017.81	2646.56	2360.25	2000.81	1792.69	1631.81	1436.06	1290.94	1189.13
90.0	2795.63	2416.50	2112.75	1888.31	1678.50	1495.69	1355.06	1198.13	1094.51
135.0	2876.63	2536.88	2217.38	1974.38	1751.63	1562.06	1407.94	1278.56	1131.75
180.0	2617.88	2282.63	2003.06	1798.31	1600.88	1431.00	1295.44	1115.94	1054.97
225.0	2765.81	2405.81	2113.31	1894.50	1708.31	1504.13	1364.06	1201.50	1107.56
270.0	2941.31	2592.56	2272.50	2030.63	1798.31	1603.69	1452.38	1312.31	1161.56
315.0	2909.25	2532.38	2220.75	1984.50	1757.81	1562.06	1412.44	1278.56	1099.29
360.0	3262.50	2827.13	2463.75	2185.88	1927.69	1707.19	1535.63	1382.63	1221.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1109.81	1006.88	891.56	804.38	723.94	642.94	565.31	495.56	417.38
45.0	1056.94	956.81	869.06	762.19	682.88	612.56	524.81	456.75	393.75
90.0	995.34	899.72	790.14	712.24	639.51	551.25	482.01	416.25	339.64
135.0	1025.44	923.63	816.75	732.94	655.88	583.31	501.19	433.69	362.25
180.0	940.67	851.51	767.87	671.68	604.01	535.22	449.89	384.98	322.20
225.0	994.39	900.84	803.76	713.19	641.70	560.08	491.23	416.19	344.87
270.0	1057.50	959.63	847.13	761.06	684.56	603.00	520.88	450.00	374.63
315.0	1022.79	924.92	825.64	732.43	656.89	576.73	496.58	429.19	354.99
360.0	1109.81	1006.88	891.56	804.38	723.94	642.94	565.31	495.56	417.38
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	351.56	289.13	217.41	171.84	128.48	93.83	70.37	56.59	47.08
45.0	317.25	289.69	209.14	161.83	118.46	91.69	66.32	53.66	47.81
90.0	287.83	229.11	171.90	137.08	103.84	70.43	58.78	51.13	45.00
135.0	298.13	256.73	179.61	140.85	100.91	75.54	60.13	52.03	45.34
180.0	256.56	199.74	155.81	114.69	85.50	63.68	51.64	45.68	41.06
225.0	286.99	232.99	175.28	136.35	103.73	72.45	57.43	48.94	43.09
270.0	310.50	288.00	199.97	147.32	108.62	84.15	60.75	51.02	46.07
315.0	293.18	229.84	175.84	136.63	104.06	72.06	57.09	48.32	42.36
360.0	351.56	289.13	217.41	171.84	128.48	93.83	70.37	56.59	47.08
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	42.86	39.60	35.72	32.63	29.93	26.66	23.29	20.59	17.61
45.0	43.14	39.60	35.72	32.46	29.31	26.10	22.11	19.24	16.88
90.0	41.68	38.36	34.93	31.16	27.90	24.24	21.09	18.00	15.41
135.0	41.40	37.97	34.54	30.54	27.34	24.13	20.36	17.72	15.58
180.0	37.01	33.86	30.99	27.23	24.08	21.09	18.06	15.58	13.67
225.0	38.53	35.10	31.84	28.91	25.48	22.16	19.35	16.71	14.34
270.0	41.29	37.91	34.88	31.16	28.18	25.14	21.38	18.73	16.37
315.0	38.87	35.83	33.08	29.70	26.94	24.02	20.81	17.89	15.69
360.0	42.86	39.60	35.72	32.63	29.93	26.66	23.29	20.59	17.61

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	15.41	13.50	12.09	11.19	10.46	9.84	9.39	9.11	8.78
45.0	14.29	12.66	11.64	10.74	10.13	9.73	9.34	9.00	8.78
90.0	13.56	12.04	10.97	10.35	9.84	9.34	9.06	8.78	8.55
135.0	13.56	12.04	11.14	10.35	9.84	9.39	9.06	8.83	8.49
180.0	12.09	11.03	10.24	9.62	9.23	8.83	8.55	8.33	8.16
225.0	12.60	11.42	10.35	9.79	9.34	8.89	8.61	8.38	8.16
270.0	14.12	12.43	11.36	10.46	9.96	9.45	9.06	8.78	8.49
315.0	13.61	12.09	11.14	10.35	9.84	9.45	9.06	8.83	8.55
360.0	15.41	13.50	12.09	11.19	10.46	9.84	9.39	9.11	8.78
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.55	8.33	8.16	7.93	7.82	7.71	7.65	7.59	7.54
45.0	8.49	8.33	8.16	8.04	7.88	7.82	7.76	7.71	7.59
90.0	8.33	8.16	7.99	7.82	7.76	7.71	7.65	7.59	7.48
135.0	8.33	8.10	7.99	7.76	7.65	7.65	7.59	7.48	7.43
180.0	7.93	7.82	7.65	7.54	7.48	7.48	7.43	7.37	7.37
225.0	7.93	7.76	7.65	7.54	7.43	7.43	7.37	7.31	7.26
270.0	8.27	8.10	7.93	7.82	7.71	7.71	7.59	7.48	7.43
315.0	8.27	8.10	7.99	7.76	7.65	7.59	7.59	7.48	7.43
360.0	8.55	8.33	8.16	7.93	7.82	7.71	7.65	7.59	7.54
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.54	7.43	7.37	7.26	7.20	7.09	7.09	6.92	6.86
45.0	7.54	7.48	7.37	7.26	7.20	7.14	7.03	6.98	6.81
90.0	7.43	7.37	7.26	7.14	7.09	7.03	6.92	6.81	6.64
135.0	7.37	7.31	7.26	7.14	7.14	7.03	6.98	6.86	6.69
180.0	7.31	7.20	7.14	7.03	7.03	6.98	6.86	6.69	6.53
225.0	7.20	7.20	7.14	7.09	7.03	6.98	6.92	6.81	6.64
270.0	7.43	7.37	7.31	7.26	7.20	7.20	7.14	7.03	6.92
315.0	7.43	7.31	7.26	7.14	7.09	7.09	7.03	6.92	6.81
360.0	7.54	7.43	7.37	7.26	7.20	7.09	7.09	6.92	6.86
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.69	6.53	6.41	6.30	6.19	6.13	6.08	5.96	5.91
45.0	6.58	6.47	6.36	6.30	6.19	6.13	6.02	5.96	5.85
90.0	6.47	6.36	6.30	6.19	6.13	6.08	6.08	5.96	5.91
135.0	6.53	6.41	6.30	6.24	6.19	6.08	6.02	5.91	5.85
180.0	6.41	6.30	6.24	6.13	6.08	6.02	5.91	5.79	5.74
225.0	6.47	6.36	6.24	6.19	6.08	6.02	5.91	5.85	5.79
270.0	6.75	6.64	6.58	6.47	6.41	6.36	6.30	6.24	6.30
315.0	6.58	6.47	6.36	6.30	6.24	6.19	6.08	5.96	5.85
360.0	6.69	6.53	6.41	6.30	6.19	6.13	6.08	5.96	5.91
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.79	5.68	5.63	5.57	5.51	5.46	5.34	5.23	5.12
45.0	5.79	5.74	5.68	5.63	5.57	5.40	5.34	5.18	5.06
90.0	5.85	5.85	5.96	6.19	6.41	5.40	5.23	5.06	4.95
135.0	5.79	5.74	5.68	5.57	5.46	5.34	5.18	5.06	4.95
180.0	5.68	5.57	5.51	5.40	5.34	5.23	5.12	4.95	4.95
225.0	5.68	5.63	5.51	5.46	5.40	5.29	5.23	5.06	4.95
270.0	6.41	6.64	6.98	7.43	7.71	7.65	5.29	5.18	5.01
315.0	5.74	5.63	5.51	5.40	5.34	5.23	5.12	5.06	5.01
360.0	5.79	5.68	5.63	5.57	5.51	5.46	5.34	5.23	5.12

Intensity data(cd)

<i>C</i> / γ (°)	90.0
0.0	5.01
45.0	5.01
90.0	4.95
135.0	4.95
180.0	4.89
225.0	4.95
270.0	4.95
315.0	4.95
360.0	5.01