



NATA LIGHTING CO.,LTD
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000(10 lines) Fax:+86 0750-377 1111
Address:380JinOu Road,Gaoxin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT

LumCAT: 1-1806-LM

Luminaire: 92.70.458.00 LED HOLDER

Report No: 20251212-B004

Ballast type: DC

Test No: 20251212-C004

Voltage(V): 34.070

LampCAT: PHILIPS SLM 1202 L06 1313 G8N

Current(A): 0.146

Lamp flux(lm): 866.3

Power (W): 4.974

Number of Lamps: 1

PF: 0.000

Length(mm): 35

Width(mm): 35

Phm Type: C

Height(mm): 15

Photometric Results

Lumens(lm): 834.61, Efficiency(%): 96.34% , Luminous Efficacy(lm/W): 167.80

Central intensity(cd): 3860.128, Maximum intensity(cd): 3860.128

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.8

[C90/270]Total=17.8

Field angle(10%Imax): [C0/180]Total=43.6

[C90/270]Total=43.6

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.33 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.34%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.121%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3860.128	0.000	0	0.00%	0.00%
1.0	3817.715	3.674	3.674	0.42%	0.44%
2.0	3696.180	10.785	14.458	1.24%	1.73%
3.0	3522.329	17.264	31.723	1.99%	3.80%
4.0	3303.588	22.849	54.571	2.64%	6.54%
5.0	3040.819	27.293	81.864	3.15%	9.81%
6.0	2768.254	30.528	112.393	3.52%	13.47%
7.0	2433.426	32.287	144.679	3.73%	17.33%
8.0	2172.078	32.961	177.64	3.80%	21.28%
9.0	1893.636	32.950	210.591	3.80%	25.23%
10.0	1670.460	32.254	242.844	3.72%	29.10%
11.0	1464.939	31.329	274.173	3.62%	32.85%
12.0	1237.489	29.541	303.715	3.41%	36.39%
13.0	1048.761	27.132	330.847	3.13%	39.64%
14.0	878.526	24.669	355.516	2.85%	42.60%
15.0	749.133	22.345	377.861	2.58%	45.27%
16.0	639.354	20.345	398.206	2.35%	47.71%
17.0	568.058	18.803	417.009	2.17%	49.96%
18.0	508.443	17.749	434.758	2.05%	52.09%
19.0	465.857	16.951	451.709	1.96%	54.12%
20.0	437.503	16.534	468.243	1.91%	56.10%
21.0	400.935	16.100	484.343	1.86%	58.03%
22.0	383.152	15.757	500.099	1.82%	59.92%
23.0	360.621	15.606	515.706	1.80%	61.79%
24.0	338.478	15.285	530.99	1.76%	63.62%
25.0	325.065	15.087	546.078	1.74%	65.43%
26.0	313.988	15.085	561.163	1.74%	67.24%
27.0	303.126	15.098	576.261	1.74%	69.05%
28.0	294.116	15.121	591.382	1.75%	70.86%
29.0	286.893	15.201	606.582	1.75%	72.68%
30.0	280.315	15.315	621.897	1.77%	74.51%
31.0	274.890	15.451	637.347	1.78%	76.36%
32.0	270.401	15.622	652.969	1.80%	78.24%
33.0	265.697	15.794	668.763	1.82%	80.13%
34.0	259.948	15.908	684.671	1.84%	82.03%
35.0	251.735	15.891	700.562	1.83%	83.94%
36.0	241.067	15.691	716.252	1.81%	85.82%
37.0	226.621	15.253	731.506	1.76%	87.65%

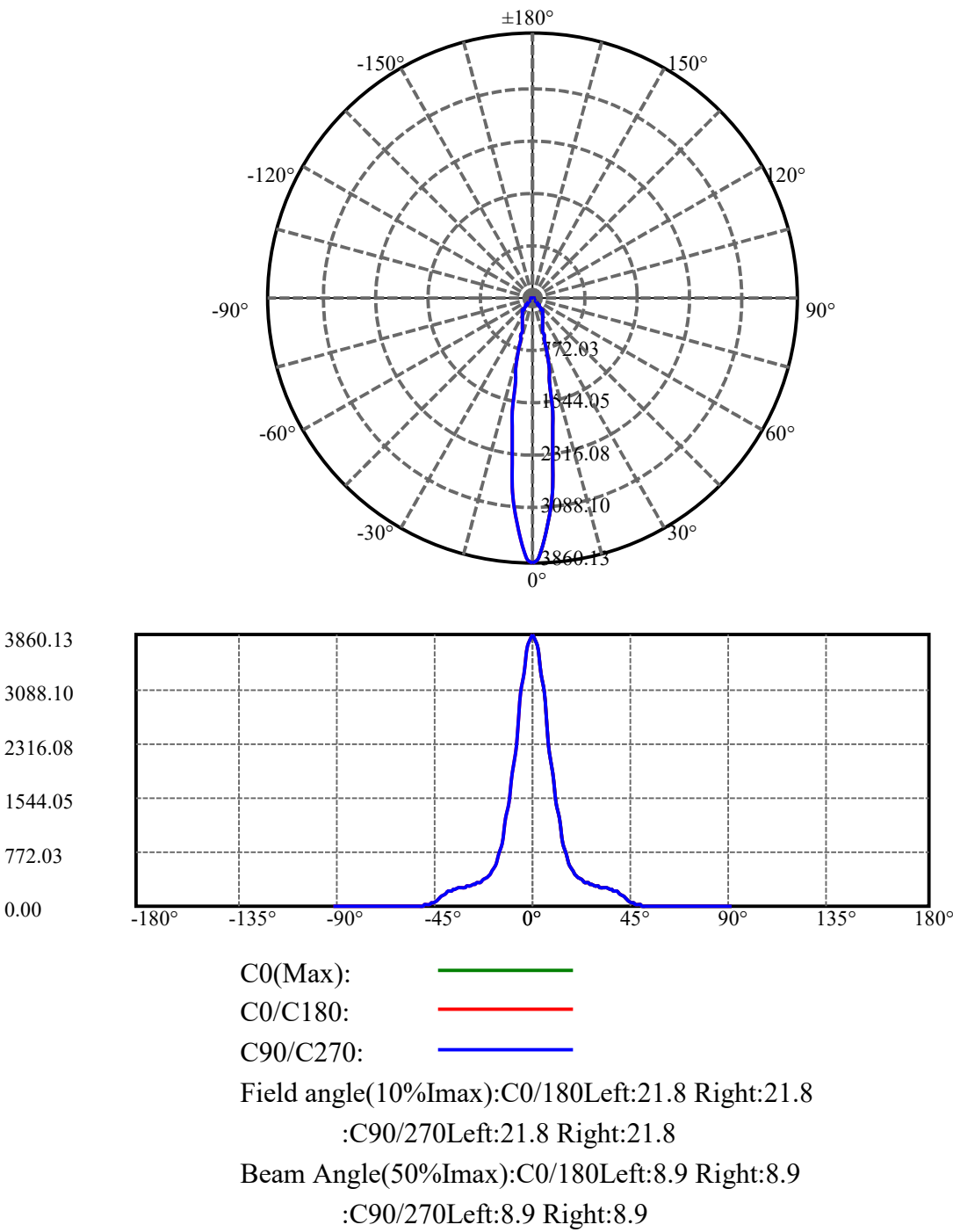
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	209.429	14.555	746.061	1.68%	89.39%
39.0	188.825	13.594	759.654	1.57%	91.02%
40.0	165.035	12.341	771.995	1.42%	92.50%
41.0	141.902	10.930	782.925	1.26%	93.81%
42.0	118.973	9.478	792.403	1.09%	94.94%
43.0	95.495	7.944	800.348	0.92%	95.89%
44.0	73.631	6.383	806.731	0.74%	96.66%
45.0	53.824	4.898	811.629	0.57%	97.25%
46.0	38.646	3.616	815.246	0.42%	97.68%
47.0	26.352	2.585	817.831	0.30%	97.99%
48.0	18.225	1.802	819.633	0.21%	98.21%
49.0	13.004	1.282	820.915	0.15%	98.36%
50.0	10.689	0.988	821.903	0.11%	98.48%
51.0	9.365	0.848	822.752	0.10%	98.58%
52.0	8.224	0.755	823.506	0.09%	98.67%
53.0	7.245	0.673	824.179	0.08%	98.75%
54.0	6.427	0.603	824.782	0.07%	98.82%
55.0	5.695	0.541	825.323	0.06%	98.89%
56.0	4.984	0.483	825.805	0.06%	98.94%
57.0	4.295	0.424	826.23	0.05%	99.00%
58.0	3.854	0.377	826.607	0.04%	99.04%
59.0	3.531	0.345	826.952	0.04%	99.08%
60.0	3.294	0.322	827.274	0.04%	99.12%
61.0	3.111	0.306	827.58	0.04%	99.16%
62.0	2.971	0.293	827.873	0.03%	99.19%
63.0	2.906	0.286	828.159	0.03%	99.23%
64.0	2.831	0.282	828.44	0.03%	99.26%
65.0	2.745	0.276	828.716	0.03%	99.29%
66.0	2.680	0.271	828.987	0.03%	99.33%
67.0	2.605	0.266	829.253	0.03%	99.36%
68.0	2.562	0.262	829.515	0.03%	99.39%
69.0	2.508	0.259	829.773	0.03%	99.42%
70.0	2.497	0.257	830.03	0.03%	99.45%
71.0	2.444	0.255	830.286	0.03%	99.48%
72.0	2.422	0.253	830.539	0.03%	99.51%
73.0	2.401	0.252	830.791	0.03%	99.54%
74.0	2.368	0.251	831.042	0.03%	99.57%
75.0	2.336	0.249	831.29	0.03%	99.60%

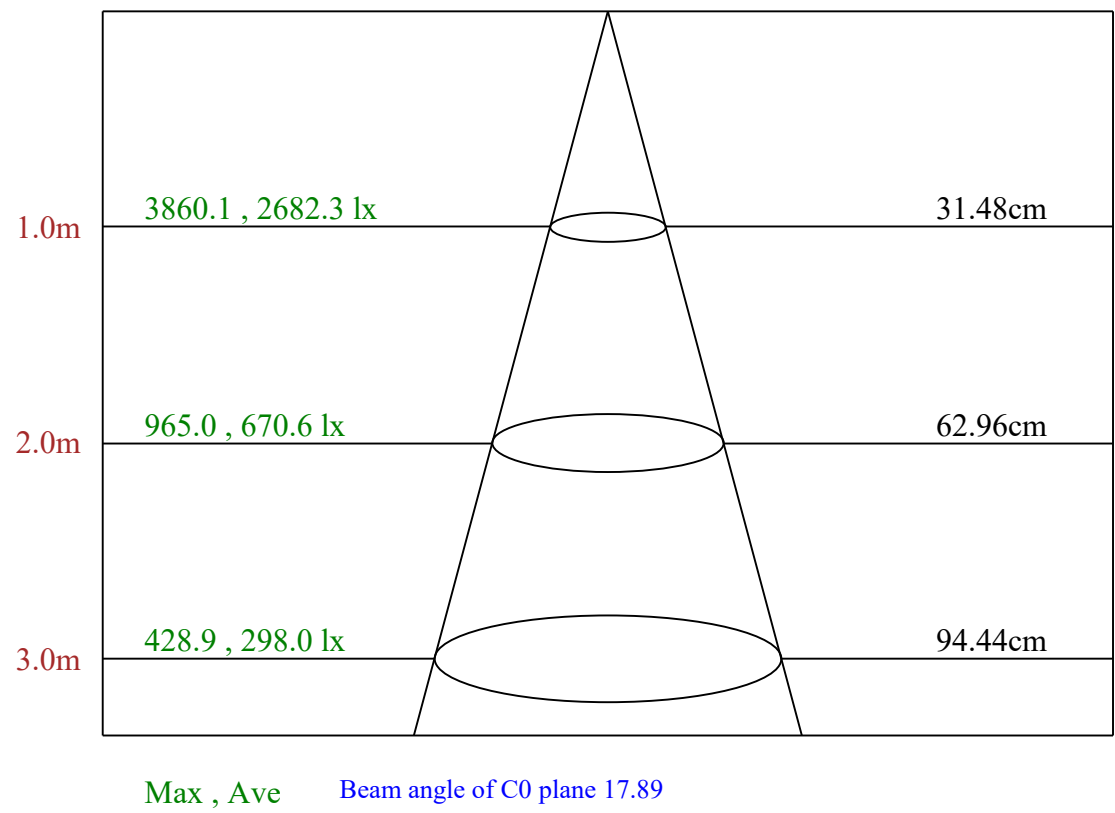
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.304	0.246	831.536	0.03%	99.63%
77.0	2.250	0.243	831.779	0.03%	99.66%
78.0	2.228	0.240	832.019	0.03%	99.69%
79.0	2.207	0.238	832.257	0.03%	99.72%
80.0	2.174	0.236	832.493	0.03%	99.75%
81.0	2.121	0.232	832.726	0.03%	99.77%
82.0	2.088	0.228	832.954	0.03%	99.80%
83.0	2.067	0.226	833.18	0.03%	99.83%
84.0	2.035	0.223	833.403	0.03%	99.86%
85.0	1.970	0.219	833.622	0.03%	99.88%
86.0	1.895	0.211	833.833	0.02%	99.91%
87.0	1.798	0.202	834.035	0.02%	99.93%
88.0	1.787	0.196	834.231	0.02%	99.95%
89.0	1.733	0.193	834.424	0.02%	99.98%
90.0	1.690	0.188	834.612	0.02%	100.00%

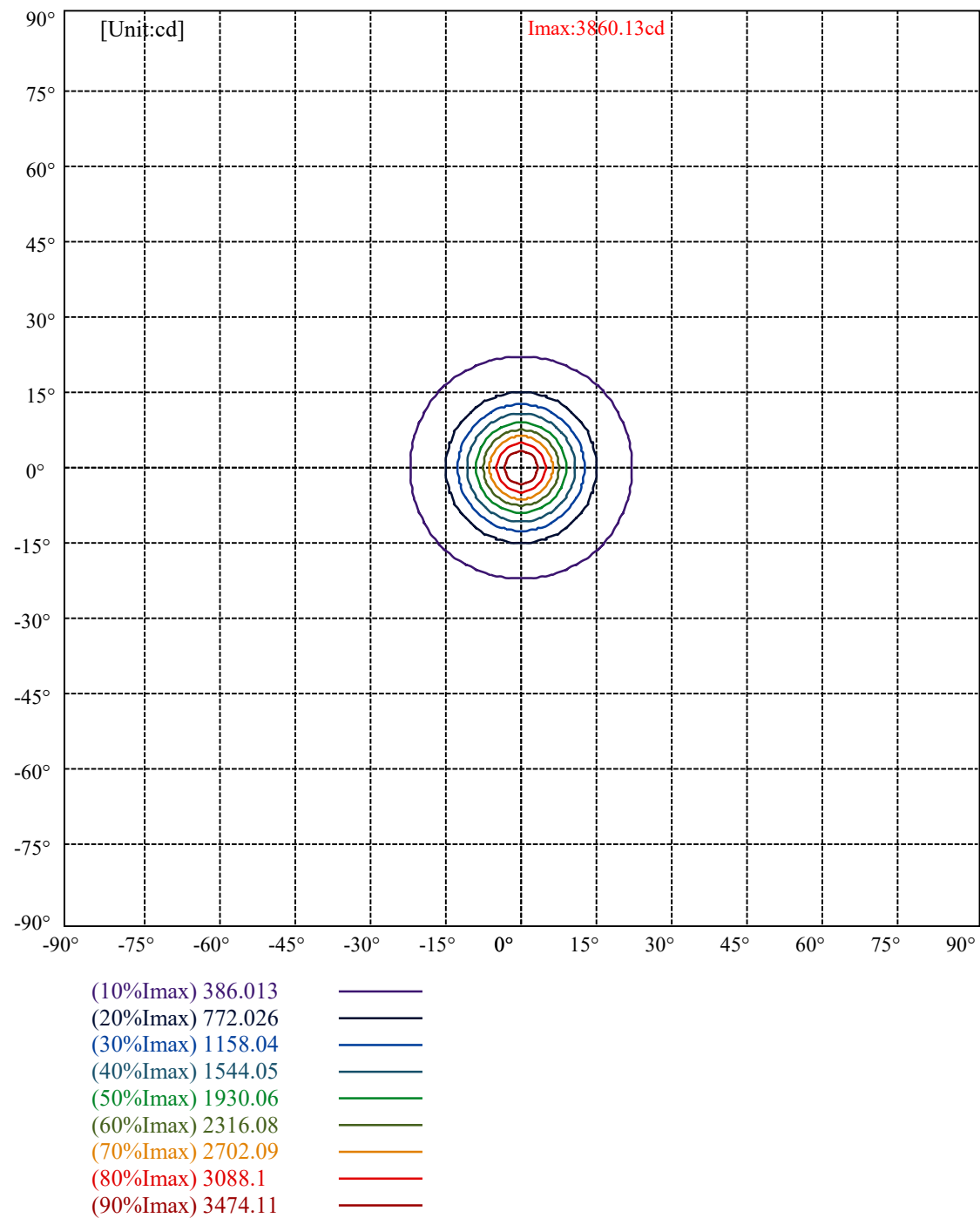
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	621.90	71.79%	74.51%
0-40	772.00	89.11%	92.50%
0-60	827.27	95.49%	99.12%
0-90	834.42	96.32%	99.98%
0-120	834.42	96.32%	99.98%
0-180	834.61	96.34%	100.00%
60-90	7.15	0.83%	0.86%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-32.93	667.69	77.07%	80.00%

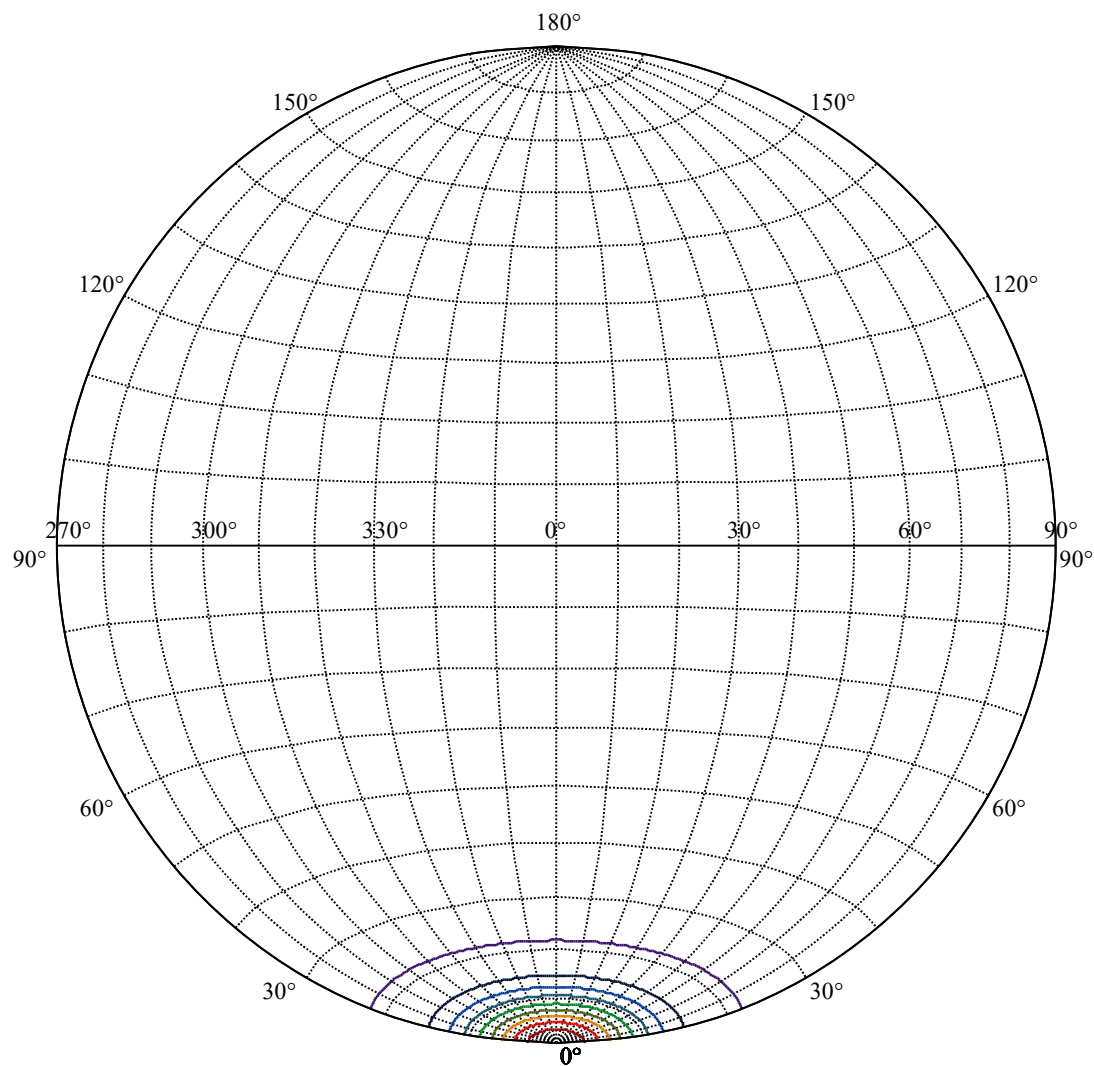
ZONAL LUMEN SUMMARY

0-10	242.84
10-20	225.40
20-30	153.65
30-40	150.10
40-50	49.91
50-60	5.37
60-70	2.76
70-80	2.46
80-90	1.93
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







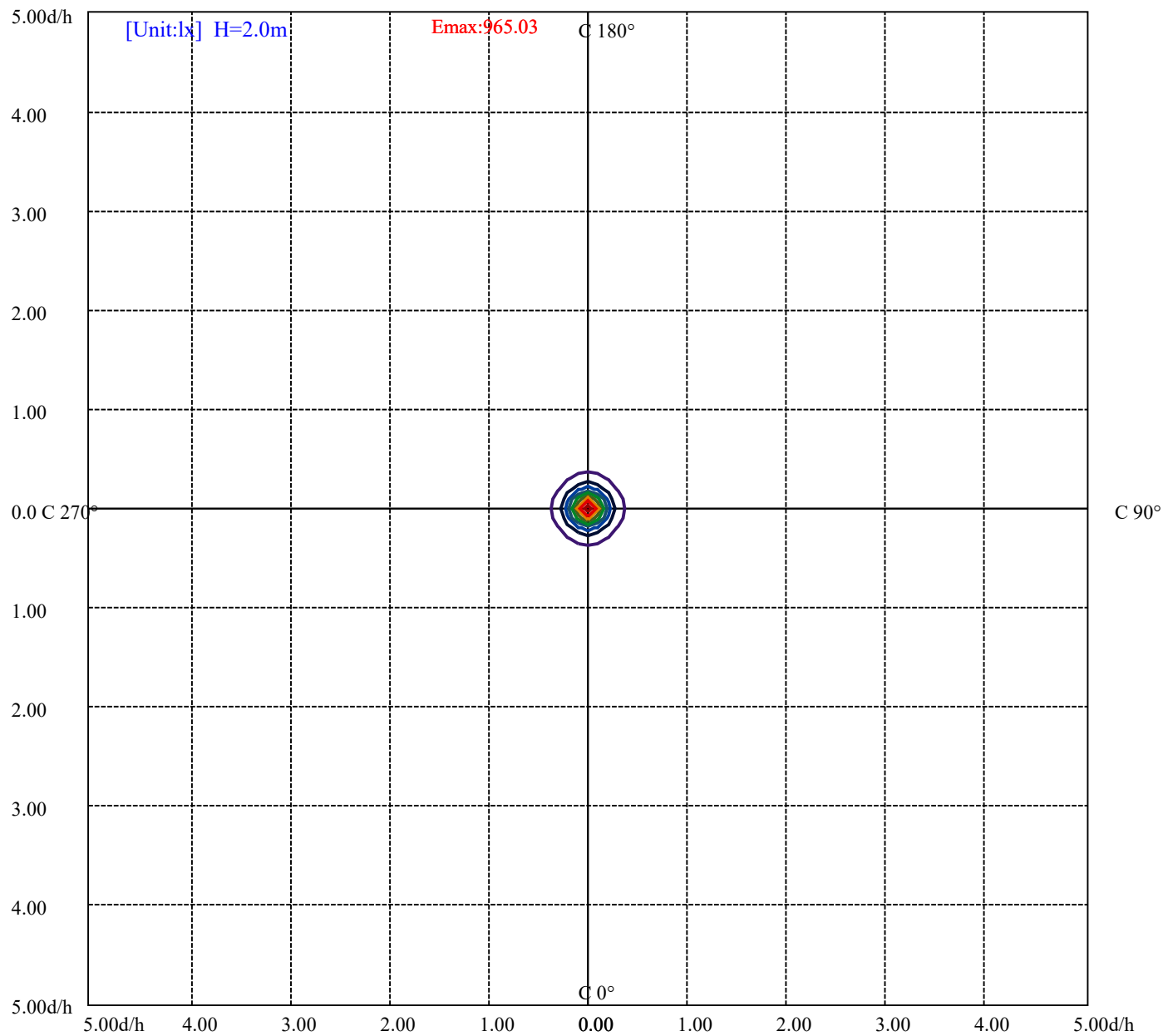


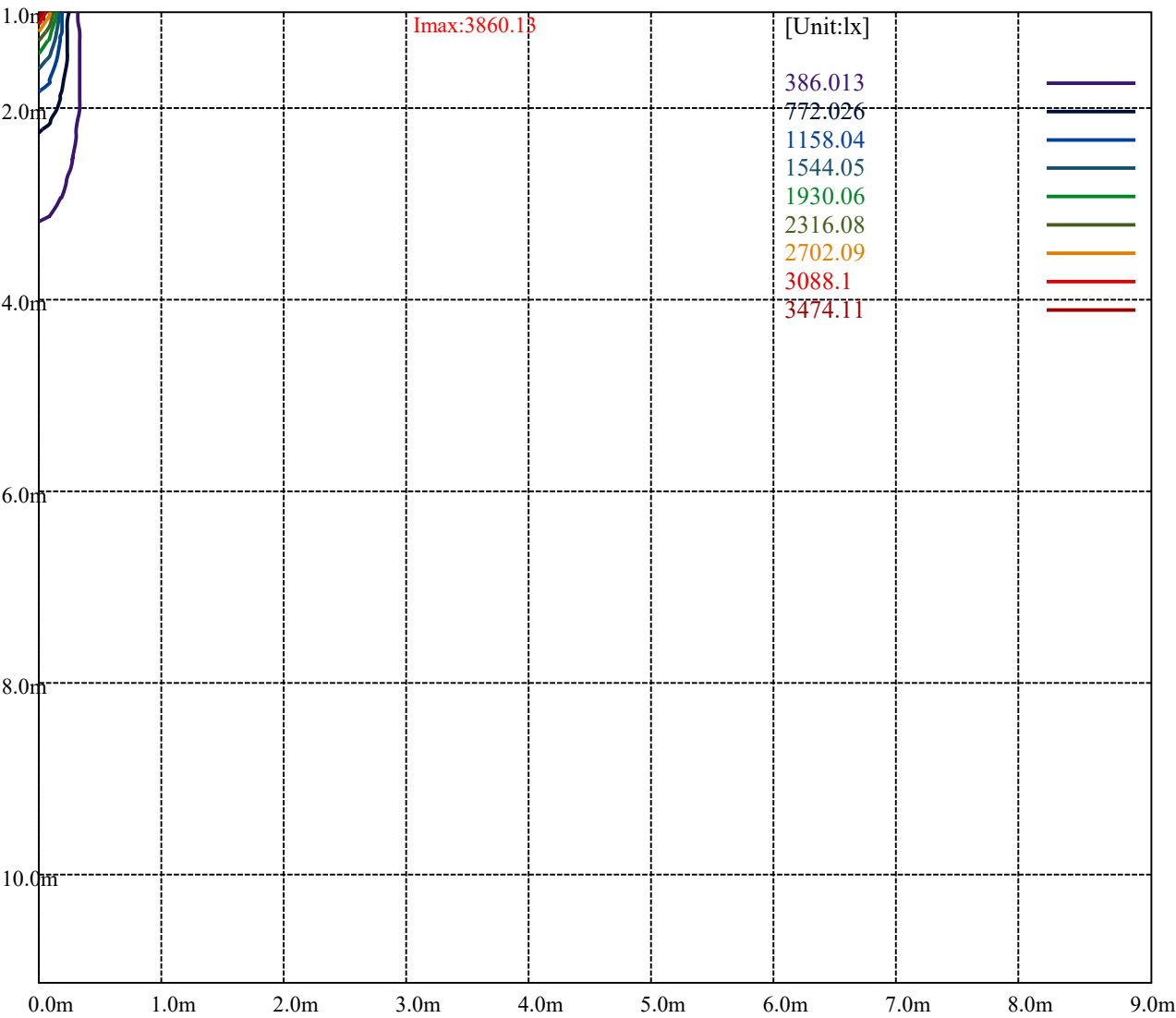
House

[Unit:cd]

Road

Imax:3860.13	
(10%Imax) 386.013	_____
(20%Imax) 772.026	_____
(30%Imax) 1158.04	_____
(40%Imax) 1544.05	_____
(50%Imax) 1930.06	_____
(60%Imax) 2316.08	_____
(70%Imax) 2702.09	_____
(80%Imax) 3088.1	_____
(90%Imax) 3474.11	_____





Luminance Table

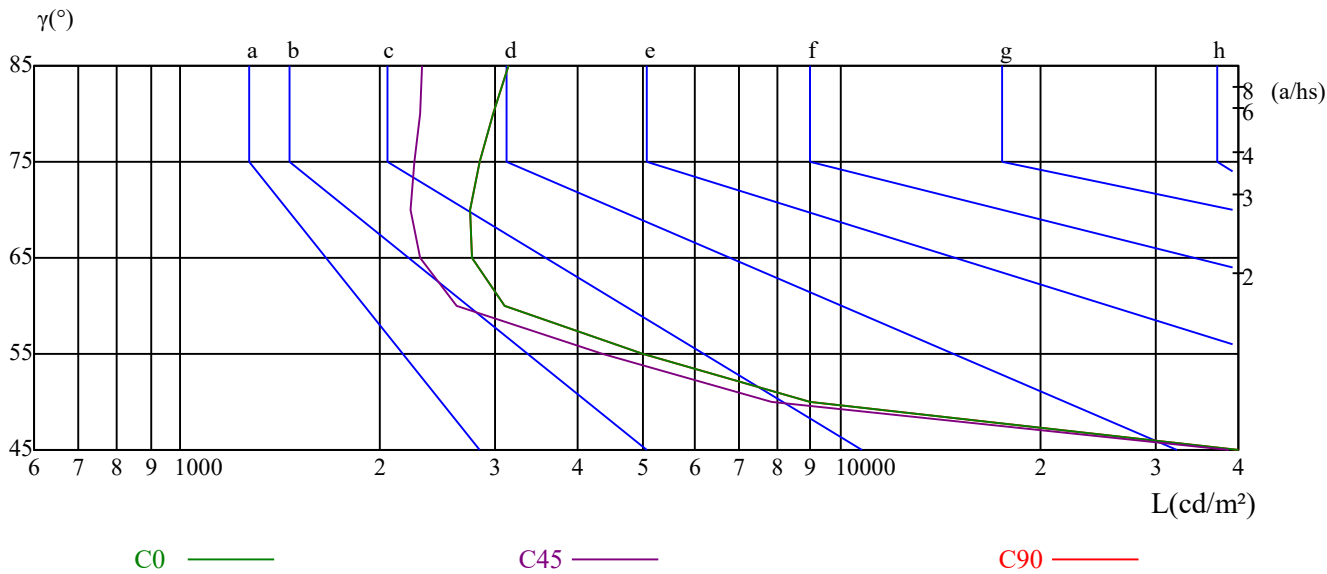
γ	45	50	55	60	65	70	75	80	85
C0	43496	8986	5028	3087	2763	2737	2834	2980	3128
C45	38689	7882	4344	2624	2306	2237	2259	2304	2327
C90	43496	8986	5028	3087	2763	2737	2834	2980	3128

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5302	5302	5302	7368	7368	7368	18451	18451	18451

Glare Table

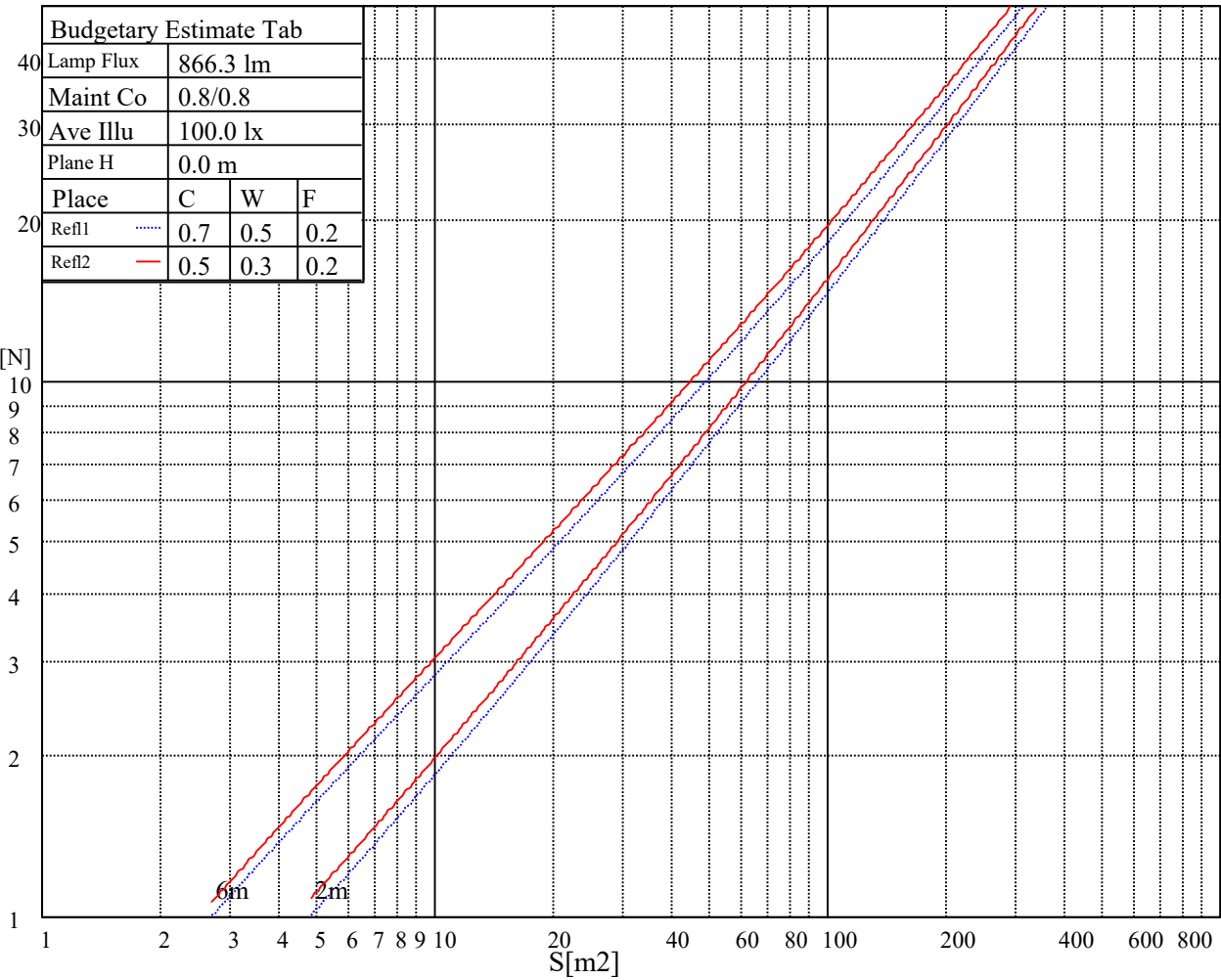
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

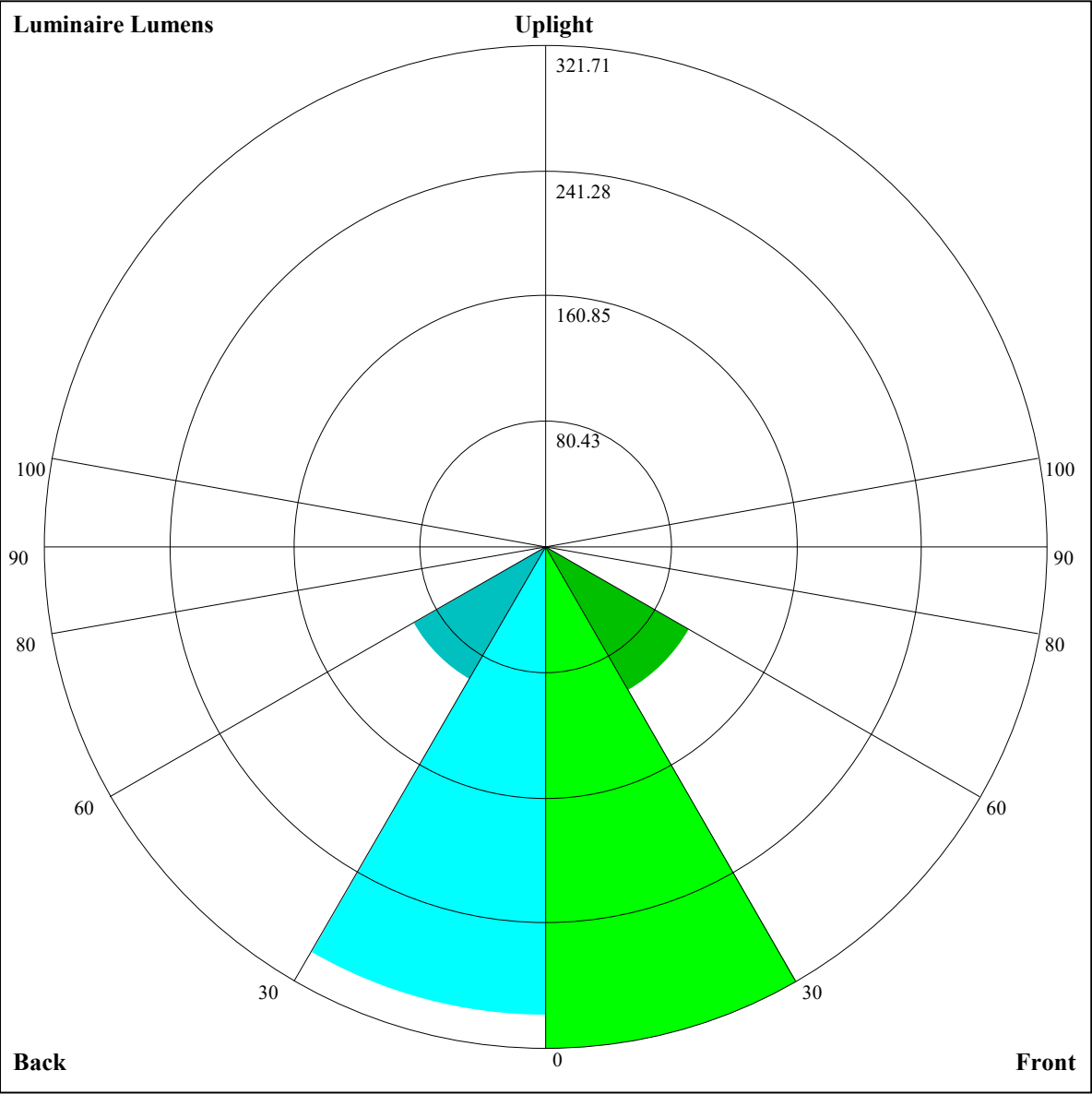


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	21.98	22.96	22.34	23.27	23.58	21.87	22.85	22.24	23.17	23.48
	3H	21.78	22.65	22.17	22.99	23.34	21.68	22.55	22.07	22.89	23.24
	4H	21.69	22.50	22.09	22.85	23.22	21.59	22.40	21.99	22.75	23.12
	6H	21.62	22.36	22.04	22.73	23.13	21.53	22.26	21.94	22.64	23.04
	8H	21.56	22.26	21.98	22.65	23.05	21.46	22.16	21.88	22.55	22.96
	12H	21.50	22.17	21.93	22.56	22.98	21.41	22.07	21.83	22.47	22.88
4H	2H	21.67	22.48	22.07	22.83	23.20	21.57	22.37	21.97	22.73	23.09
	3H	21.45	22.12	21.87	22.51	22.93	21.35	22.02	21.77	22.41	22.83
	4H	21.39	21.97	21.83	22.40	22.84	21.30	21.87	21.73	22.30	22.75
	6H	21.28	21.79	21.76	22.25	22.70	21.19	21.70	21.66	22.15	22.61
	8H	21.25	21.72	21.73	22.18	22.65	21.16	21.63	21.64	22.09	22.56
	12H	21.22	21.66	21.71	22.11	22.63	21.13	21.57	21.62	22.02	22.54
8H	4H	21.20	21.67	21.69	22.13	22.61	21.10	21.58	21.59	22.04	22.51
	6H	21.09	21.48	21.60	21.96	22.47	21.00	21.39	21.51	21.87	22.38
	8H	21.11	21.44	21.65	21.96	22.46	21.03	21.35	21.56	21.87	22.37
	12H	21.11	21.36	21.65	21.88	22.40	21.02	21.28	21.57	21.79	22.32
12H	4H	21.15	21.59	21.64	22.04	22.56	21.05	21.49	21.54	21.94	22.46
	6H	21.09	21.41	21.62	21.93	22.43	20.99	21.32	21.53	21.84	22.34
	8H	21.08	21.33	21.62	21.84	22.37	20.99	21.24	21.53	21.76	22.28
Variation with the observer position at spacings:											
S = 1.0H		3.7/-11.9					3.7/-11.9				
S = 1.5H		6.1/-11.1					6.1/-11.1				
S = 2.0H		8.0/-10.0					8.0/-10.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		1.9					1.9				

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.07	1.05	1.03	1.05	1.03	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.98	0.95	0.99	0.96	0.94	0.96	0.94	0.91	0.93	0.91	0.90	0.91	0.89	0.88	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.82
4	0.90	0.85	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.77
5	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.74
6	0.82	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.70
7	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
8	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
9	0.71	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.62
10	0.69	0.64	0.61	0.68	0.64	0.61	0.68	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59



Luminaire Lumens:
FL=321.71,FM=106.75,FH=2.7,FVH=1.07
BL=300.68,BM=98.5,BH=2.59,BVH=1.04
UL=0,UH=0

BUG Rating:B1-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	3885.75	3893.50	3828.05	3709.21	3523.19	3218.33	2971.17	2729.18	2427.76
45.0	3784.99	3879.72	3893.50	3847.00	3735.90	3492.19	3239.00	2916.92	2679.23
90.0	3898.67	3853.88	3766.90	3584.33	3369.90	3113.27	2863.52	2549.19	2299.45
135.0	3871.11	3907.28	3862.50	3729.01	3556.78	3327.70	3078.82	2751.57	2500.10
180.0	3885.75	3791.02	3630.84	3416.40	3102.07	2842.85	2591.39	2277.06	2024.73
225.0	3784.99	3610.17	3334.59	3089.15	2834.24	2572.44	2246.05	1663.55	1663.55
270.0	3898.67	3854.75	3709.21	3475.82	3233.83	2957.39	2686.12	2362.31	2110.85
315.0	3871.11	3751.40	3543.86	3327.70	3072.79	2802.38	2469.96	2217.63	1670.96
360.0	3885.75	3893.50	3828.05	3709.21	3523.19	3218.33	2971.17	2729.18	2427.76
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2004.06	1707.47	1647.53	1415.61	1196.10	960.13	810.72	700.66	619.71
45.0	2444.13	2203.86	1954.11	1650.98	1415.87	1204.02	1015.42	827.68	716.59
90.0	1708.50	1708.50	1527.48	1303.32	1108.34	943.60	781.27	683.44	608.94
135.0	2189.22	1942.06	1703.51	1426.21	1227.27	1042.12	880.22	725.20	632.20
180.0	1779.29	1493.38	1291.86	1053.31	888.83	752.76	647.70	555.55	501.30
225.0	1489.25	1236.57	1053.14	890.21	727.70	631.33	561.23	494.66	451.78
270.0	1863.69	1622.56	1346.12	1148.91	974.09	794.96	684.73	582.25	521.10
315.0	1670.96	1449.29	1195.75	1011.37	851.88	699.28	611.79	545.39	492.86
360.0	2004.06	1707.47	1647.53	1415.61	1196.10	960.13	810.72	700.66	619.71
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	547.11	502.76	467.19	437.74	406.39	384.78	368.24	351.10	339.39
45.0	634.78	556.41	506.46	455.65	439.29	439.29	370.83	353.09	337.93
90.0	537.38	492.25	446.78	416.55	391.32	364.63	347.83	333.36	320.27
135.0	561.58	507.32	456.51	439.29	439.29	371.69	350.24	335.52	321.39
180.0	459.96	434.12	434.12	371.60	354.55	340.60	327.77	318.21	310.63
225.0	409.67	384.00	362.13	343.96	328.54	312.44	301.41	292.11	282.90
270.0	474.60	436.71	436.71	372.98	352.65	335.78	317.95	306.06	296.42
315.0	442.48	413.28	390.12	369.71	353.17	335.78	323.55	311.06	302.96
360.0	547.11	502.76	467.19	437.74	406.39	384.78	368.24	351.10	339.39
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	326.56	317.86	309.42	299.78	292.97	286.60	281.09	274.11	268.60
45.0	324.75	312.01	302.45	293.23	286.09	278.51	273.08	269.12	265.42
90.0	305.63	295.39	286.26	278.94	271.70	266.19	261.11	255.43	252.15
135.0	312.35	304.08	294.96	289.44	285.22	282.73	281.78	281.52	281.09
180.0	300.64	294.27	289.87	286.60	284.79	282.30	276.70	269.29	255.34
225.0	273.86	267.83	262.40	256.12	252.59	249.23	243.28	233.12	216.07
270.0	286.60	275.32	268.52	262.40	255.17	250.52	245.52	240.79	232.86
315.0	294.61	286.17	281.26	276.01	270.58	267.14	263.01	256.20	242.34
360.0	326.56	317.86	309.42	299.78	292.97	286.60	281.09	274.11	268.60
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	261.71	250.09	229.59	209.70	188.51	160.87	137.19	113.42	85.77
45.0	261.80	258.18	248.28	235.19	218.74	196.26	175.16	153.46	130.81
90.0	246.47	235.10	220.89	203.93	180.25	159.41	137.36	115.48	89.30
135.0	277.65	264.38	249.14	227.27	195.92	171.20	144.16	112.73	88.79
180.0	235.36	209.10	187.31	165.86	136.58	112.90	91.54	65.54	47.02
225.0	200.83	183.43	163.62	136.93	114.54	91.80	71.22	48.14	32.81
270.0	217.88	203.50	187.22	169.91	147.69	128.66	110.15	91.20	73.11
315.0	226.84	209.18	189.37	161.82	138.05	114.11	85.00	63.99	41.42
360.0	261.71	250.09	229.59	209.70	188.51	160.87	137.19	113.42	85.77

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	64.50	45.64	26.35	16.79	10.42	8.53	7.75	7.15	6.54
45.0	100.84	78.37	57.18	39.44	24.80	17.65	15.24	12.66	10.94
90.0	70.79	52.96	37.81	22.82	15.50	12.66	10.33	9.04	7.75
135.0	61.83	43.58	28.51	18.69	11.20	9.82	8.96	8.27	7.41
180.0	30.66	17.40	10.59	8.53	7.84	6.98	6.29	5.77	5.34
225.0	22.48	14.12	12.40	10.59	9.30	8.01	6.98	5.94	5.17
270.0	52.19	38.67	25.84	19.20	15.85	13.26	11.37	9.65	7.92
315.0	27.30	18.43	12.14	9.73	9.13	8.61	8.01	7.32	6.89
360.0	64.50	45.64	26.35	16.79	10.42	8.53	7.75	7.15	6.54
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.03	5.51	4.74	4.05	3.79	3.62	3.44	3.36	3.27
45.0	9.73	8.70	7.75	6.20	5.17	4.48	3.88	3.36	3.10
90.0	6.89	6.11	5.25	4.56	4.13	3.79	3.53	3.36	3.19
135.0	6.72	6.29	5.34	4.56	4.05	3.53	3.27	3.10	2.93
180.0	4.91	4.48	4.13	3.70	3.44	3.19	3.10	2.93	2.76
225.0	4.31	3.79	3.44	3.19	3.01	2.93	2.84	2.76	2.67
270.0	6.72	5.68	4.99	4.22	3.88	3.62	3.36	3.19	3.10
315.0	6.11	4.99	4.22	3.88	3.36	3.10	2.93	2.84	2.76
360.0	6.03	5.51	4.74	4.05	3.79	3.62	3.44	3.36	3.27
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.19	3.01	2.84	2.67	2.58	2.50	2.41	2.41	2.41
45.0	2.93	2.93	2.76	2.67	2.67	2.67	2.58	2.58	2.58
90.0	3.10	3.01	2.93	2.93	2.76	2.76	2.67	2.67	2.58
135.0	2.84	2.76	2.76	2.67	2.58	2.50	2.41	2.41	2.33
180.0	2.67	2.58	2.50	2.41	2.41	2.41	2.33	2.33	2.33
225.0	2.67	2.58	2.58	2.58	2.50	2.41	2.41	2.41	2.33
270.0	3.10	3.01	2.93	2.93	2.84	2.76	2.76	2.67	2.58
315.0	2.76	2.76	2.67	2.58	2.50	2.50	2.50	2.50	2.41
360.0	3.19	3.01	2.84	2.67	2.58	2.50	2.41	2.41	2.41
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.41	2.33	2.33	2.33	2.33	2.24	2.24	2.15	2.07
45.0	2.58	2.58	2.58	2.50	2.50	2.41	2.41	2.41	2.33
90.0	2.50	2.50	2.50	2.41	2.41	2.33	2.33	2.24	2.24
135.0	2.33	2.24	2.15	2.15	2.15	2.15	2.15	2.07	2.15
180.0	2.24	2.24	2.24	2.15	2.07	2.07	2.07	2.07	2.07
225.0	2.33	2.33	2.24	2.24	2.24	2.15	2.07	2.07	1.98
270.0	2.58	2.58	2.50	2.50	2.41	2.41	2.33	2.33	2.33
315.0	2.41	2.41	2.41	2.41	2.33	2.24	2.24	2.33	2.24
360.0	2.41	2.33	2.33	2.33	2.33	2.24	2.24	2.15	2.07
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.07	1.98	1.98	1.98	1.89	1.98	1.89	1.89	1.81
45.0	2.33	2.33	2.33	2.58	2.50	2.15	1.89	1.81	1.81
90.0	2.15	2.07	1.98	1.98	1.89	1.81	1.72	1.72	1.72
135.0	2.07	2.07	2.15	2.07	1.98	1.89	1.81	1.81	1.81
180.0	2.07	2.07	2.07	1.98	1.89	1.89	1.81	1.89	1.81
225.0	1.89	1.89	1.89	1.81	1.81	1.81	1.72	1.72	1.64
270.0	2.24	2.24	2.15	2.07	1.89	1.81	1.72	1.72	1.64
315.0	2.15	2.07	1.98	1.81	1.89	1.81	1.81	1.72	1.64
360.0	2.07	1.98	1.98	1.98	1.89	1.98	1.89	1.89	1.81

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	1.81
45.0	1.81
90.0	1.64
135.0	1.72
180.0	1.72
225.0	1.64
270.0	1.55
315.0	1.64
360.0	1.81