



NATA LIGHTING CO.,LED
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Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 2-2918-L

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250317-B008

Ballast type: AC

Test No: 20250317-C008

Voltage(V): 36.220

LampCAT: LUMILEDS LUXEON COB 1205 Current(A): 0.604

Lamp flux(lm): 2511.0

Power (W): 21.870

Number of Lamps: 1

PF: 0.000

Length(mm): 63

Width(mm): 63

Phm Type: C

Height(mm): 40

Photometric Results

Lumens(lm): 2341.98, Efficiency(%): 93.27% , Luminous Efficacy(lm/W): 107.09

Central intensity(cd): 4093.898, Maximum intensity(cd): 4162.109

Angle of maximum intensity: C=270.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=45.6

[C90/270]Total=44.7

Field angle(10%Imax): [C0/180]Total=70.2

[C90/270]Total=70.3

Maximum s/h(1/2): C0_180=0.76 C90_270=0.67

Maximum s/h(1/4): C0_180=0.76 C90_270=0.70

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.22%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.820%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/28
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4079.909	0.000	0	0.00%	0.00%
1.0	4080.375	3.905	3.905	0.16%	0.17%
2.0	4076.245	11.707	15.612	0.47%	0.67%
3.0	4054.063	19.445	35.057	0.77%	1.50%
4.0	4022.889	27.036	62.093	1.08%	2.65%
5.0	3977.725	34.418	96.511	1.37%	4.12%
6.0	3925.035	41.531	138.042	1.65%	5.89%
7.0	3853.959	48.284	186.326	1.92%	7.96%
8.0	3771.227	54.572	240.898	2.17%	10.29%
9.0	3685.297	60.431	301.329	2.41%	12.87%
10.0	3589.641	65.836	367.165	2.62%	15.68%
11.0	3502.245	70.863	438.027	2.82%	18.70%
12.0	3394.466	75.391	513.418	3.00%	21.92%
13.0	3298.012	79.423	592.841	3.16%	25.31%
14.0	3193.963	83.097	675.938	3.31%	28.86%
15.0	3082.853	86.171	762.109	3.43%	32.54%
16.0	2968.813	88.674	850.783	3.53%	36.33%
17.0	2853.640	90.671	941.454	3.61%	40.20%
18.0	2735.935	92.160	1033.614	3.67%	44.13%
19.0	2588.189	92.629	1126.243	3.69%	48.09%
20.0	2451.167	92.234	1218.477	3.67%	52.03%
21.0	2309.615	91.417	1309.894	3.64%	55.93%
22.0	2160.137	89.822	1399.715	3.58%	59.77%
23.0	2027.311	87.864	1487.579	3.50%	63.52%
24.0	1883.562	85.506	1573.085	3.41%	67.17%
25.0	1754.000	82.710	1655.795	3.29%	70.70%
26.0	1647.021	80.281	1736.076	3.20%	74.13%
27.0	1518.792	77.452	1813.529	3.08%	77.44%
28.0	1359.714	72.878	1886.406	2.90%	80.55%
29.0	1270.320	68.809	1955.216	2.74%	83.49%
30.0	1088.675	63.692	2018.908	2.54%	86.21%
31.0	978.991	57.540	2076.448	2.29%	88.66%
32.0	848.390	52.352	2128.8	2.08%	90.90%
33.0	706.093	45.796	2174.596	1.82%	92.85%
34.0	565.660	38.487	2213.083	1.53%	94.50%
35.0	452.952	31.634	2244.717	1.26%	95.85%
36.0	344.227	25.382	2270.1	1.01%	96.93%
37.0	266.070	19.904	2290.004	0.79%	97.78%

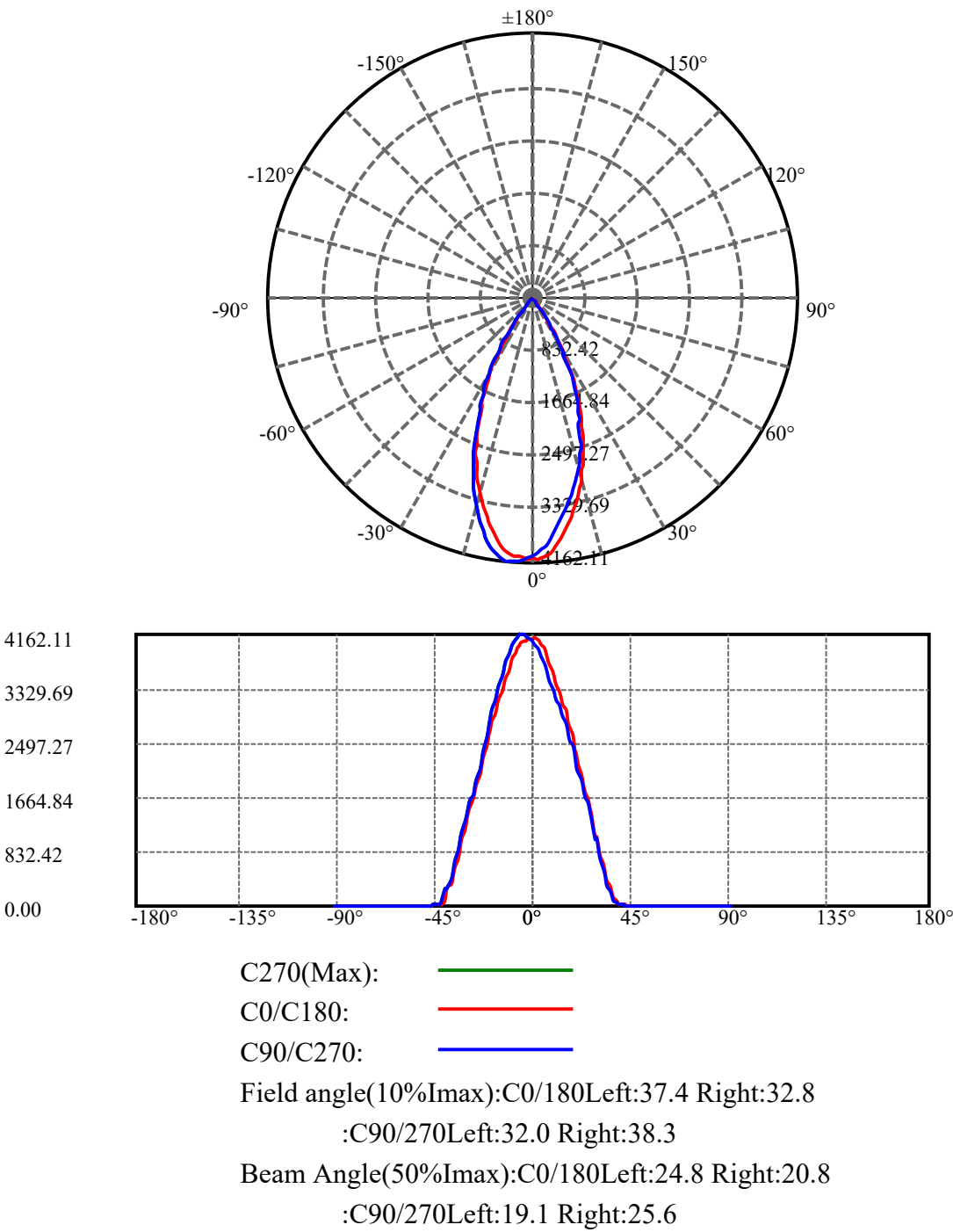
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	165.332	14.400	2304.404	0.57%	98.40%
39.0	113.688	9.524	2313.927	0.38%	98.80%
40.0	68.884	6.367	2320.295	0.25%	99.07%
41.0	29.130	3.490	2323.785	0.14%	99.22%
42.0	20.030	1.786	2325.571	0.07%	99.30%
43.0	15.887	1.330	2326.902	0.05%	99.36%
44.0	12.983	1.090	2327.991	0.04%	99.40%
45.0	10.931	0.919	2328.91	0.04%	99.44%
46.0	9.326	0.792	2329.703	0.03%	99.48%
47.0	8.307	0.701	2330.404	0.03%	99.51%
48.0	7.594	0.643	2331.047	0.03%	99.53%
49.0	7.008	0.600	2331.646	0.02%	99.56%
50.0	6.515	0.564	2332.21	0.02%	99.58%
51.0	6.088	0.533	2332.743	0.02%	99.61%
52.0	5.729	0.507	2333.25	0.02%	99.63%
53.0	5.382	0.483	2333.734	0.02%	99.65%
54.0	5.056	0.460	2334.194	0.02%	99.67%
55.0	4.763	0.438	2334.632	0.02%	99.69%
56.0	4.516	0.419	2335.051	0.02%	99.70%
57.0	4.257	0.401	2335.452	0.02%	99.72%
58.0	4.010	0.382	2335.835	0.02%	99.74%
59.0	3.844	0.367	2336.202	0.01%	99.75%
60.0	3.664	0.355	2336.557	0.01%	99.77%
61.0	3.464	0.340	2336.897	0.01%	99.78%
62.0	3.304	0.326	2337.223	0.01%	99.80%
63.0	3.151	0.314	2337.537	0.01%	99.81%
64.0	3.024	0.303	2337.84	0.01%	99.82%
65.0	2.904	0.293	2338.133	0.01%	99.84%
66.0	2.784	0.284	2338.417	0.01%	99.85%
67.0	2.638	0.273	2338.69	0.01%	99.86%
68.0	2.545	0.263	2338.952	0.01%	99.87%
69.0	2.418	0.253	2339.205	0.01%	99.88%
70.0	2.331	0.244	2339.449	0.01%	99.89%
71.0	2.218	0.235	2339.684	0.01%	99.90%
72.0	2.092	0.224	2339.908	0.01%	99.91%
73.0	2.005	0.214	2340.123	0.01%	99.92%
74.0	1.892	0.205	2340.328	0.01%	99.93%
75.0	1.779	0.194	2340.521	0.01%	99.94%

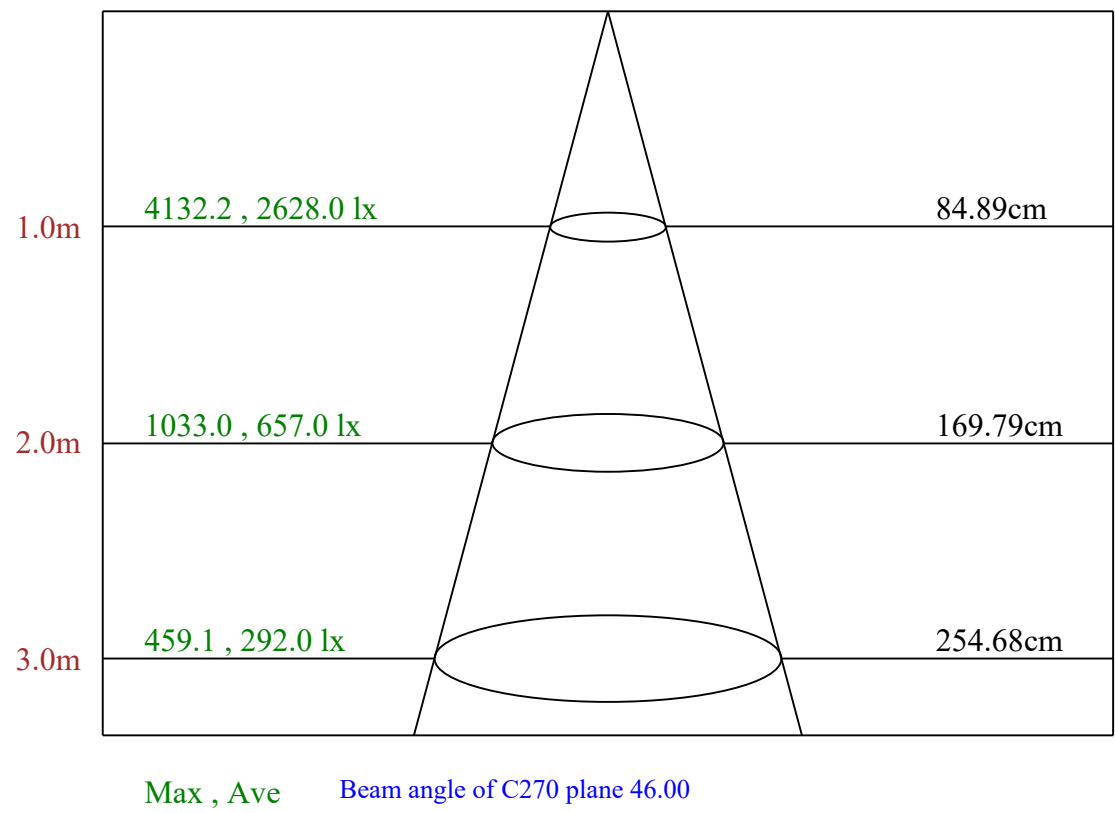
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.639	0.181	2340.703	0.01%	99.95%
77.0	1.525	0.169	2340.872	0.01%	99.95%
78.0	1.419	0.158	2341.029	0.01%	99.96%
79.0	1.292	0.146	2341.175	0.01%	99.97%
80.0	1.186	0.134	2341.308	0.01%	99.97%
81.0	1.026	0.120	2341.428	0.00%	99.98%
82.0	0.919	0.105	2341.534	0.00%	99.98%
83.0	0.813	0.094	2341.628	0.00%	99.98%
84.0	0.679	0.081	2341.709	0.00%	99.99%
85.0	0.566	0.068	2341.777	0.00%	99.99%
86.0	0.486	0.058	2341.834	0.00%	99.99%
87.0	0.400	0.048	2341.883	0.00%	100.00%
88.0	0.326	0.040	2341.923	0.00%	100.00%
89.0	0.280	0.033	2341.956	0.00%	100.00%
90.0	0.240	0.028	2341.984	0.00%	100.00%

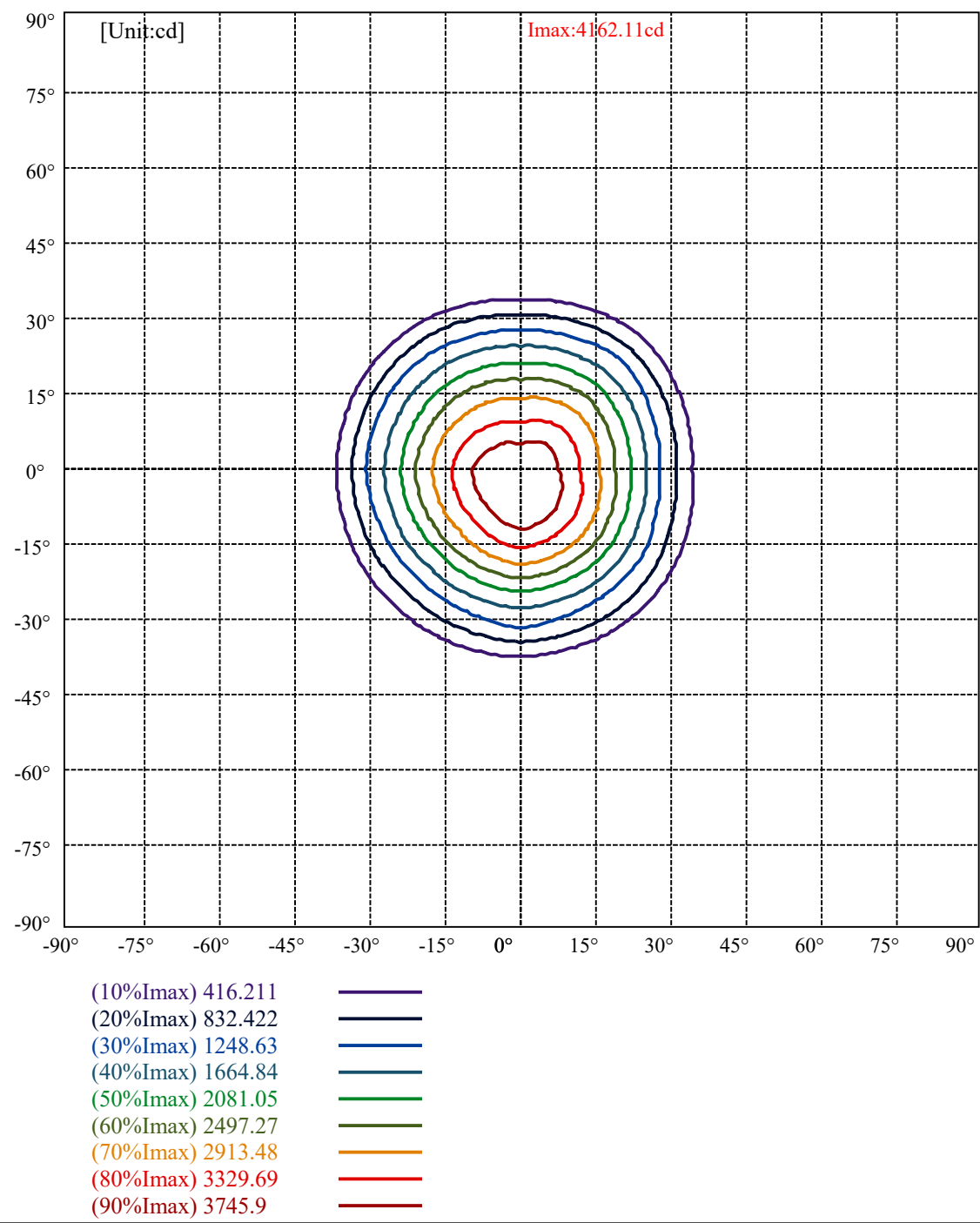
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2018.91	80.40%	86.21%
0-40	2320.29	92.40%	99.07%
0-60	2336.56	93.05%	99.77%
0-90	2341.96	93.27%	100.00%
0-120	2341.96	93.27%	100.00%
0-180	2341.98	93.27%	100.00%
60-90	5.40	0.22%	0.23%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.82	1873.59	74.61%	80.00%

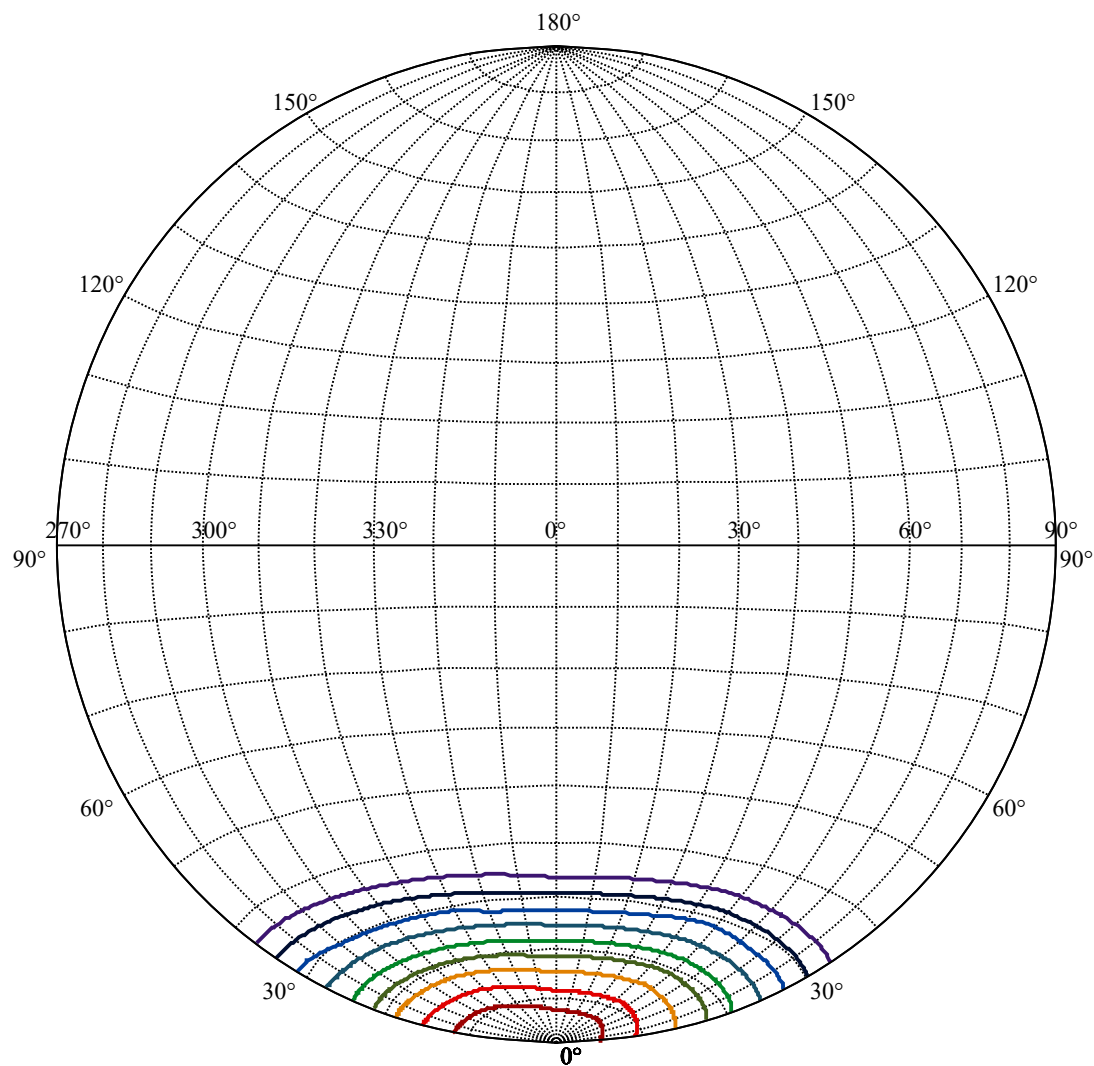
ZONAL LUMEN SUMMARY

0-10	367.16
10-20	851.31
20-30	800.43
30-40	301.39
40-50	11.92
50-60	4.35
60-70	2.89
70-80	1.86
80-90	0.65
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









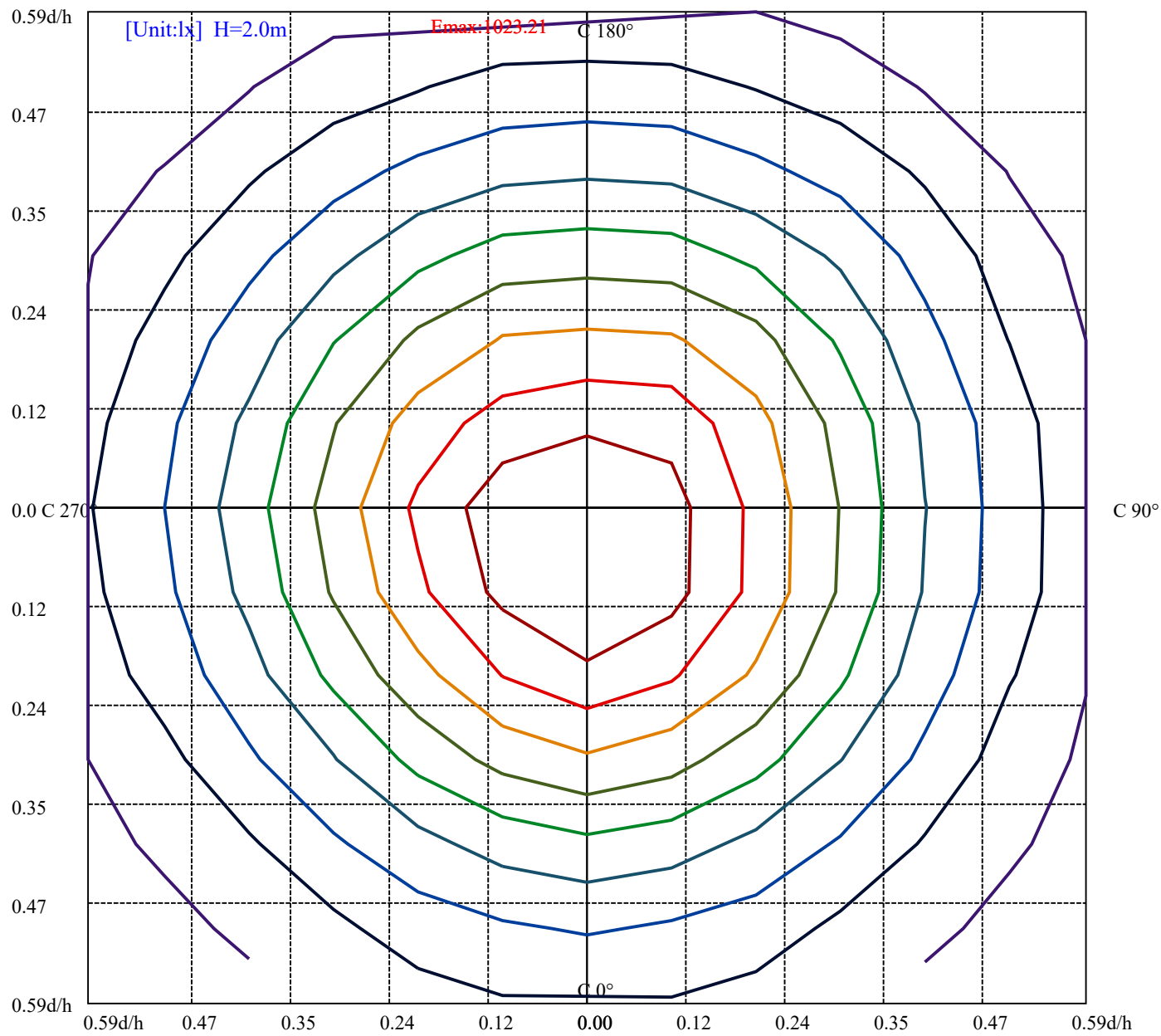
House

[Unit:cd]

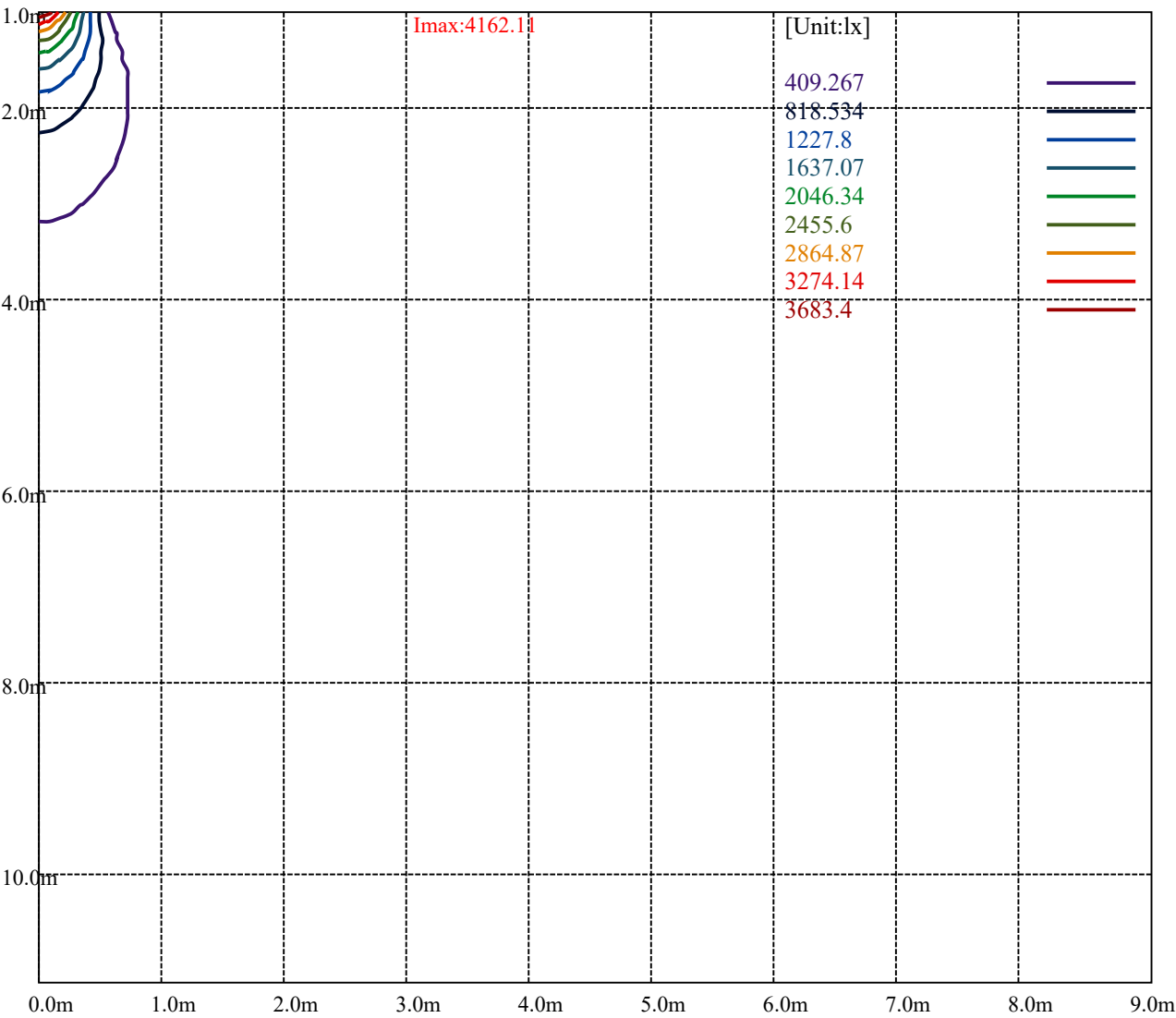
Road

Imax:4162.11

(10%Imax)	416.195	—
(20%Imax)	832.39	—
(30%Imax)	1248.58	—
(40%Imax)	1664.78	—
(50%Imax)	2080.97	—
(60%Imax)	2497.17	—
(70%Imax)	2913.36	—
(80%Imax)	3329.56	—
(90%Imax)	3745.75	—



(10%Emax) 102.3205	
(20%Emax) 204.641	
(30%Emax) 306.9625	
(40%Emax) 409.2825	
(50%Emax) 511.6025	
(60%Emax) 613.9225	
(70%Emax) 716.2425	
(80%Emax) 818.5625	
(90%Emax) 920.885	



Luminance Table

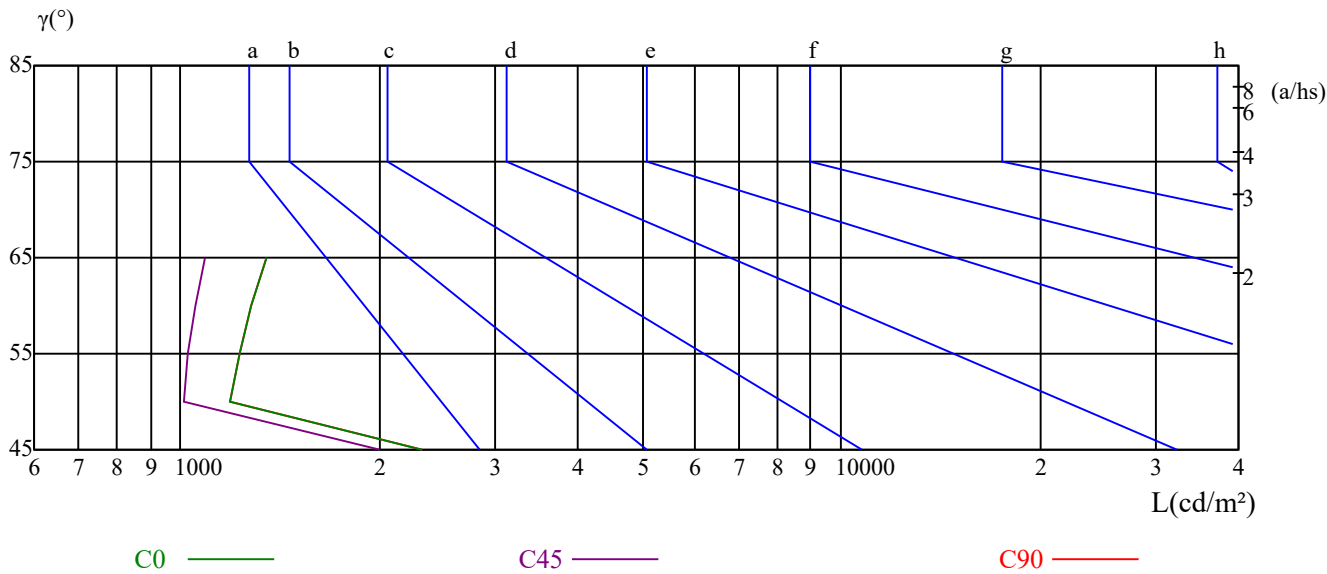
γ	45	50	55	60	65	70	75	80	85
C0	2323	1189	1228	1279	1345	0	0	0	0
C45	2001	1009	1026	1051	1086	0	0	0	0
C90	2323	1189	1228	1279	1345	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3177	3177	3177	0	0	0	0	0	0

Glare Table

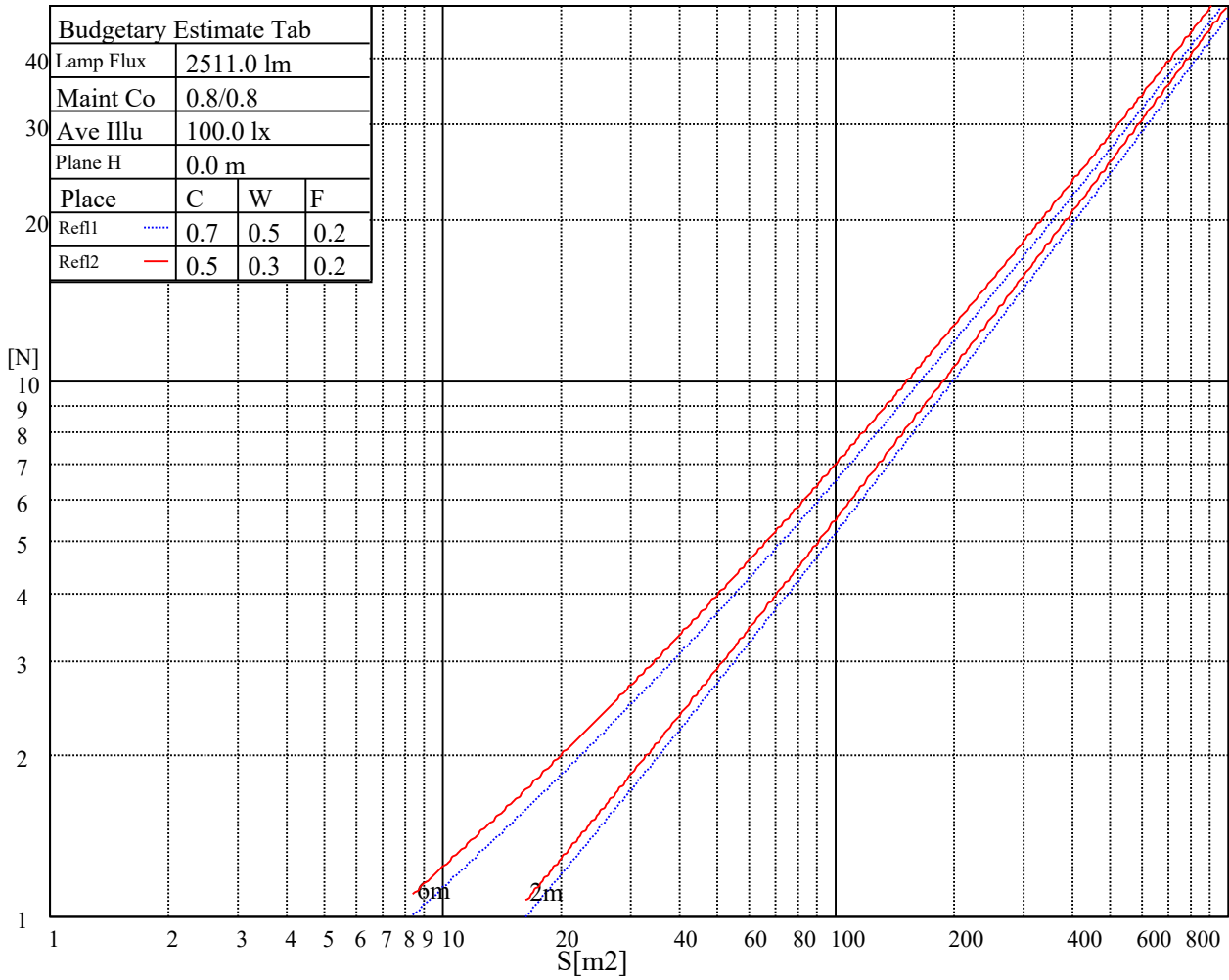
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

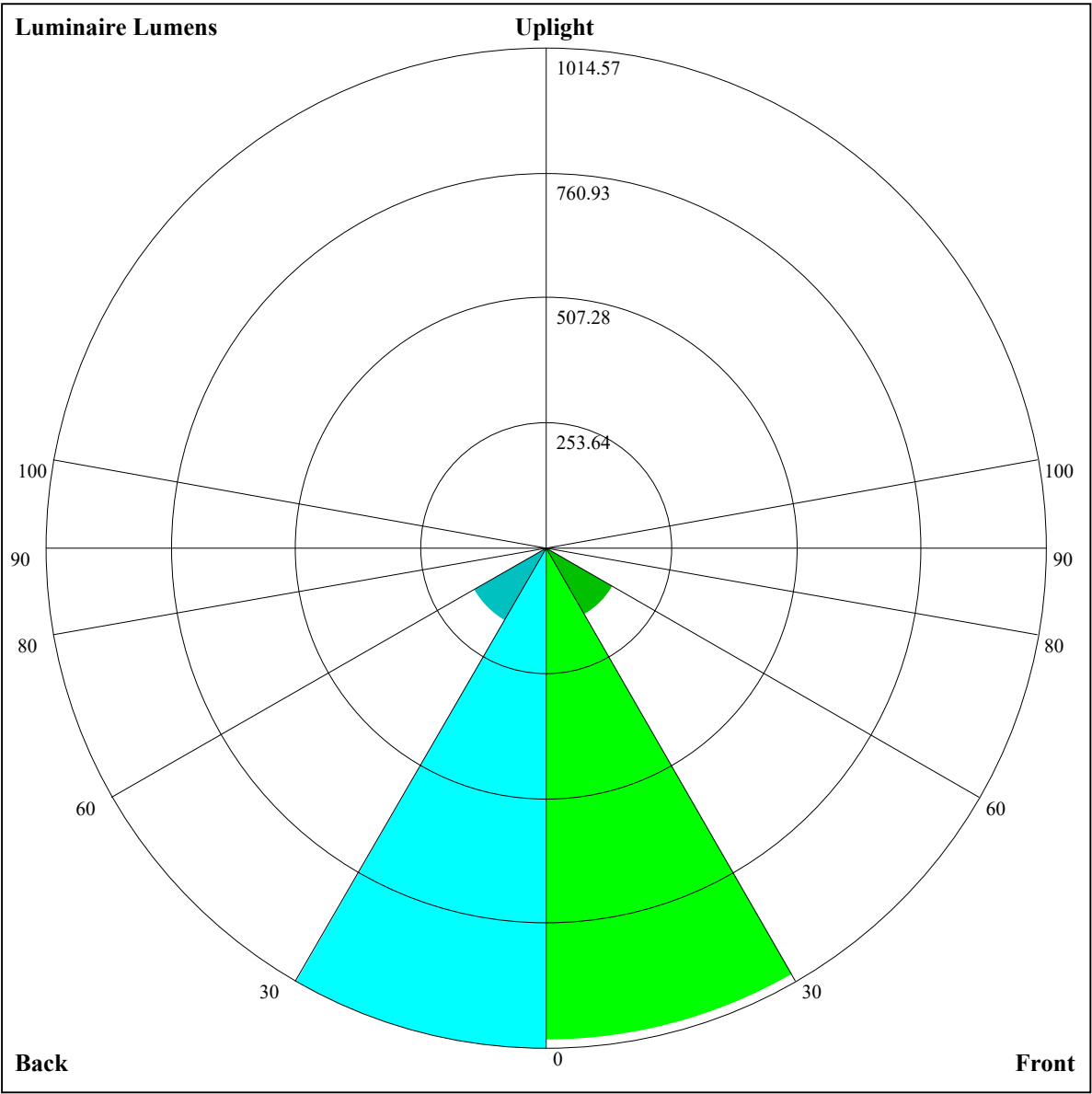


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	15.11	16.00	15.47	16.31	16.62	14.61	15.50	14.98	15.81	16.13
	3H	14.89	15.68	15.28	16.02	16.37	14.40	15.19	14.79	15.53	15.87
	4H	14.79	15.51	15.19	15.87	16.24	14.29	15.02	14.69	15.37	15.74
	6H	14.69	15.36	15.11	15.73	16.13	14.20	14.86	14.62	15.24	15.64
	8H	14.61	15.25	15.04	15.63	16.04	14.12	14.75	14.54	15.14	15.55
	12H	14.54	15.14	14.97	15.53	15.95	14.05	14.64	14.48	15.04	15.46
4H	2H	14.78	15.50	15.18	15.86	16.23	14.28	15.01	14.68	15.36	15.73
	3H	14.52	15.13	14.95	15.53	15.95	14.03	14.64	14.46	15.04	15.45
	4H	14.44	14.97	14.88	15.39	15.84	13.95	14.47	14.39	14.90	15.35
	6H	14.30	14.76	14.77	15.21	15.67	13.81	14.27	14.28	14.72	15.18
	8H	14.24	14.66	14.72	15.12	15.60	13.74	14.17	14.23	14.63	15.11
	12H	14.18	14.57	14.67	15.03	15.55	13.69	14.08	14.18	14.53	15.06
8H	4H	14.23	14.66	14.72	15.12	15.59	13.74	14.17	14.23	14.63	15.10
	6H	14.08	14.42	14.58	14.90	15.42	13.58	13.93	14.09	14.41	14.92
	8H	14.06	14.34	14.60	14.87	15.37	13.57	13.85	14.10	14.38	14.88
	12H	14.00	14.22	14.55	14.73	15.26	13.51	13.72	14.06	14.24	14.77
12H	4H	14.18	14.57	14.67	15.02	15.54	13.68	14.08	14.18	14.53	15.05
	6H	14.06	14.34	14.59	14.87	15.37	13.56	13.85	14.10	14.37	14.87
	8H	14.00	14.21	14.55	14.73	15.26	13.51	13.72	14.06	14.24	14.77
Variation with the observer position at spacings:											
S = 1.0H		6.5/-15.2					6.5/-15.5				
S = 1.5H		9.3/-14.8					9.3/-15.1				
S = 2.0H		11.3/-14.7					11.3/-14.9				
Standard tables:		BK0					BK0				
Uncorrected UGR		-4.6					-4.1				

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.96	0.93	0.91	0.93	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.81	0.79
4	0.87	0.83	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.67
7	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	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	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.55



Luminaire Lumens:

FL=998.11,FM=154.27,FH=2.32,FVH=0.33

BL=1014.57,BM=171.89,BH=2.41,BVH=0.35

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

Appendix Page: 17 Total:19

C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4093.90	4107.22	4089.63	4052.33	4005.44	3944.15	3873.28	3781.62	3685.70
45.0	4091.77	4066.19	4055.53	4006.50	3970.80	3910.58	3833.84	3749.11	3658.52
90.0	4055.00	4014.50	3965.47	3912.18	3832.78	3733.12	3634.54	3538.62	3439.50
135.0	4078.98	4058.73	4026.22	3977.19	3916.97	3848.23	3799.20	3677.70	3572.72
180.0	4093.90	4097.10	4094.43	4066.19	4054.46	4036.88	3988.38	3957.48	3883.94
225.0	4091.77	4107.75	4121.08	4133.87	4124.81	4094.43	4051.80	3986.25	3910.05
270.0	4055.00	4086.44	4117.88	4146.12	4158.38	4162.11	4152.52	4120.01	4073.11
315.0	4078.98	4105.09	4139.73	4138.13	4119.48	4092.30	4066.72	4020.89	3946.28
360.0	4093.90	4107.22	4089.63	4052.33	4005.44	3944.15	3873.28	3781.62	3685.70
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3586.04	3486.92	3391.54	3287.09	3181.57	3067.53	2998.79	2823.46	2750.99
45.0	3560.46	3466.67	3371.82	3278.56	3183.17	3086.18	2989.20	2895.41	2779.23
90.0	3337.18	3249.78	3161.86	3069.66	2981.20	2893.81	2789.89	2673.72	2539.43
135.0	3509.31	3385.67	3331.85	3237.53	3142.14	3039.82	2936.97	2837.85	2731.81
180.0	3791.74	3697.42	3591.91	3484.79	3381.94	3280.69	3179.44	3066.47	2955.62
225.0	3824.78	3730.99	3627.61	3518.37	3402.19	3292.95	3161.32	3040.89	2920.45
270.0	4012.36	3933.49	3839.70	3737.92	3629.21	3516.23	3396.33	3276.96	3143.74
315.0	3860.49	3766.16	3701.68	3541.81	3482.66	3374.48	3210.88	3135.74	3007.85
360.0	3586.04	3486.92	3391.54	3287.09	3181.57	3067.53	2998.79	2823.46	2750.99
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2613.50	2414.20	2322.01	2172.26	2026.25	1885.56	1750.74	1625.50	1505.60
45.0	2655.60	2519.18	2374.76	2230.88	2089.66	2005.46	1808.82	1679.33	1603.12
90.0	2455.76	2314.54	2126.43	2052.89	1931.92	1804.03	1684.66	1567.95	1454.44
135.0	2612.97	2479.74	2343.85	2203.17	2071.01	1944.71	1814.68	1696.38	1583.94
180.0	2844.78	2725.94	2602.31	2459.49	2311.35	2163.73	2025.71	1894.09	1790.70
225.0	2817.60	2645.48	2529.30	2363.57	2175.99	2061.95	1926.06	1793.37	1675.06
270.0	3014.24	2883.15	2737.13	2578.33	2415.80	2249.00	2096.06	1953.24	1867.97
315.0	2873.02	2723.28	2573.53	2416.33	2259.12	2104.05	1961.76	1822.14	1695.31
360.0	2613.50	2414.20	2322.01	2172.26	2026.25	1885.56	1750.74	1625.50	1505.60
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1387.30	1057.97	1057.97	936.09	784.48	638.73	506.52	382.09	314.46
45.0	1481.62	1361.72	1220.50	1071.82	916.75	768.07	620.46	487.23	372.66
90.0	1328.68	1033.40	1033.40	871.82	719.36	571.22	463.20	320.43	239.06
135.0	1473.63	1354.26	1211.44	1091.54	937.53	779.26	628.98	491.49	369.46
180.0	1647.89	1532.78	1443.25	1318.55	1174.67	1022.79	871.45	724.37	584.22
225.0	1559.96	1447.52	1329.21	995.94	995.94	907.21	758.53	618.16	533.86
270.0	1694.25	1626.57	1515.19	1404.88	1284.45	1144.30	997.75	846.94	698.26
315.0	1577.01	1463.50	1351.59	1018.74	1018.74	955.54	801.85	654.56	511.64
360.0	1387.30	1057.97	1057.97	936.09	784.48	638.73	506.52	382.09	314.46
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	216.36	135.36	73.43	36.08	22.01	18.12	14.81	11.94	10.07
45.0	287.93	287.93	119.85	45.19	30.27	19.29	14.97	13.27	10.92
90.0	155.61	87.56	40.87	22.44	18.17	15.03	12.15	10.07	8.79
135.0	296.99	296.99	93.74	44.76	24.73	19.82	16.25	13.16	10.87
180.0	453.12	335.89	312.97	269.81	75.46	37.25	24.30	21.42	17.53
225.0	411.03	296.56	198.56	120.12	61.28	30.70	22.33	18.23	14.60
270.0	550.65	418.49	305.51	265.01	265.01	65.12	35.22	22.38	17.80
315.0	382.14	269.81	177.72	106.10	54.14	27.71	20.20	16.63	13.27
360.0	216.36	135.36	73.43	36.08	22.01	18.12	14.81	11.94	10.07

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	9.01	8.21	7.51	6.98	6.50	6.13	5.70	5.33	5.12
45.0	9.33	8.47	7.73	7.14	6.61	6.23	5.92	5.54	5.22
90.0	8.05	7.41	6.82	6.45	6.08	5.65	5.33	5.06	4.80
135.0	9.81	8.63	8.21	7.51	6.98	6.50	6.13	5.81	5.44
180.0	14.07	11.62	10.18	9.11	8.31	7.57	7.03	6.50	6.08
225.0	11.72	9.70	8.74	7.94	7.25	6.71	6.23	5.86	5.49
270.0	14.97	11.72	9.22	8.31	7.57	6.87	6.45	6.02	5.60
315.0	10.50	8.85	8.05	7.30	6.77	6.45	5.92	5.70	5.33
360.0	9.01	8.21	7.51	6.98	6.50	6.13	5.70	5.33	5.12
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.74	4.42	4.32	4.05	3.89	3.73	3.52	3.36	3.20
45.0	4.96	4.69	4.42	4.16	4.00	3.89	3.62	3.46	3.41
90.0	4.58	4.26	4.05	3.94	3.68	3.57	3.46	3.25	3.09
135.0	5.06	4.85	4.58	4.32	4.05	3.84	3.73	3.52	3.36
180.0	5.70	5.38	5.06	4.74	4.42	4.21	4.00	3.78	3.57
225.0	5.12	4.85	4.64	4.32	4.05	3.89	3.68	3.46	3.30
270.0	5.28	4.96	4.64	4.37	4.10	3.89	3.73	3.52	3.30
315.0	5.01	4.69	4.42	4.16	3.89	3.73	3.57	3.36	3.20
360.0	4.74	4.42	4.32	4.05	3.89	3.73	3.52	3.36	3.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.04	2.93	2.77	2.66	2.56	2.45	2.29	2.24	2.13
45.0	3.20	3.09	3.04	2.88	2.72	2.61	2.50	2.45	2.34
90.0	2.98	2.82	2.72	2.56	2.45	2.40	2.29	2.13	2.03
135.0	3.20	3.09	2.98	2.88	2.66	2.61	2.50	2.40	2.24
180.0	3.41	3.25	3.14	2.98	2.88	2.72	2.61	2.50	2.40
225.0	3.20	3.04	2.93	2.77	2.66	2.61	2.40	2.29	2.24
270.0	3.14	3.04	2.88	2.88	2.66	2.56	2.45	2.40	2.24
315.0	3.04	2.93	2.77	2.66	2.50	2.40	2.29	2.24	2.13
360.0	3.04	2.93	2.77	2.66	2.56	2.45	2.29	2.24	2.13
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.03	1.87	1.81	1.71	1.55	1.49	1.33	1.17	1.12
45.0	2.18	2.08	1.97	1.81	1.65	1.55	1.44	1.33	1.17
90.0	1.87	1.81	1.65	1.60	1.39	1.33	1.23	1.07	1.01
135.0	2.13	2.08	1.92	1.81	1.71	1.55	1.49	1.33	1.23
180.0	2.29	2.18	2.08	1.97	1.81	1.71	1.55	1.49	1.33
225.0	2.13	1.97	1.92	1.81	1.71	1.49	1.49	1.33	1.23
270.0	2.08	2.08	1.97	1.81	1.71	1.60	1.49	1.39	1.23
315.0	2.03	1.97	1.81	1.71	1.60	1.49	1.33	1.23	1.17
360.0	2.03	1.87	1.81	1.71	1.55	1.49	1.33	1.17	1.12
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.91	0.80	0.75	0.59	0.48	0.48	0.37	0.32	0.27
45.0	1.07	0.96	0.80	0.69	0.59	0.48	0.43	0.32	0.27
90.0	0.80	0.75	0.64	0.48	0.37	0.37	0.32	0.21	0.27
135.0	1.07	0.96	0.85	0.69	0.53	0.48	0.37	0.32	0.27
180.0	1.17	1.07	0.96	0.85	0.69	0.64	0.48	0.43	0.37
225.0	1.07	0.91	0.85	0.69	0.59	0.43	0.43	0.37	0.27
270.0	1.12	1.01	0.85	0.75	0.69	0.53	0.43	0.37	0.32
315.0	1.01	0.91	0.80	0.69	0.59	0.48	0.37	0.27	0.21
360.0	0.91	0.80	0.75	0.59	0.48	0.48	0.37	0.32	0.27

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.32
45.0	0.27
90.0	0.27
135.0	0.27
180.0	0.21
225.0	0.21
270.0	0.21
315.0	0.16
360.0	0.32