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Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 2-2968-LM

Luminaire: 92.70.411.00

Report No: 20250413-B012

Ballast type: AC

Test No: 20250413-C012

Voltage(V): 35.500

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.895

Lamp flux(lm): 3860.0

Power (W): 31.790

Number of Lamps: 1

PF: 0.000

Length(mm): 75

Width(mm): 75

Phm Type: C

Height(mm): 44

Photometric Results

Lumens(lm): 3677.80, Efficiency(%): 95.28% , Luminous Efficacy(lm/W): 115.69

Central intensity(cd): 17000.200, Maximum intensity(cd): 17080.140

Angle of maximum intensity: C=45.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=19.1

[C90/270]Total=18.4

Field angle(10%Imax): [C0/180]Total=53.0

[C90/270]Total=52.8

Maximum s/h(1/2): C0_180=0.34 C90_270=0.30

Maximum s/h(1/4): C0_180=0.36 C90_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.27%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.655%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/5/13
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	16910.275	0.000	0	0.00%	0.00%
1.0	16811.023	16.135	16.135	0.42%	0.44%
2.0	16575.881	47.920	64.055	1.24%	1.74%
3.0	16145.564	78.259	142.314	2.03%	3.87%
4.0	15529.399	106.026	248.34	2.75%	6.75%
5.0	14726.718	130.160	378.5	3.37%	10.29%
6.0	13404.860	147.839	526.339	3.83%	14.31%
7.0	11598.262	155.194	681.533	4.02%	18.53%
8.0	10769.736	160.083	841.617	4.15%	22.88%
9.0	9297.866	162.637	1004.254	4.21%	27.31%
10.0	7759.317	154.361	1158.615	4.00%	31.50%
11.0	6665.473	144.133	1302.748	3.73%	35.42%
12.0	5784.789	136.099	1438.848	3.53%	39.12%
13.0	5036.531	128.422	1567.269	3.33%	42.61%
14.0	4511.158	122.210	1689.479	3.17%	45.94%
15.0	4028.151	117.231	1806.71	3.04%	49.12%
16.0	3631.807	112.240	1918.95	2.91%	52.18%
17.0	3340.377	108.576	2027.526	2.81%	55.13%
18.0	3082.787	105.904	2133.43	2.74%	58.01%
19.0	2851.308	103.241	2236.671	2.67%	60.82%
20.0	2644.943	100.597	2337.268	2.61%	63.55%
21.0	2514.782	99.077	2436.345	2.57%	66.24%
22.0	2328.666	97.331	2533.676	2.52%	68.89%
23.0	2108.579	93.105	2626.781	2.41%	71.42%
24.0	1965.695	89.078	2715.86	2.31%	73.84%
25.0	1842.728	86.595	2802.455	2.24%	76.20%
26.0	1740.345	84.579	2887.034	2.19%	78.50%
27.0	1623.640	82.301	2969.334	2.13%	80.74%
28.0	1539.375	80.081	3049.415	2.07%	82.91%
29.0	1452.046	78.264	3127.679	2.03%	85.04%
30.0	1321.472	74.884	3202.564	1.94%	87.08%
31.0	1167.877	69.275	3271.839	1.79%	88.96%
32.0	1086.616	64.589	3336.427	1.67%	90.72%
33.0	962.857	60.378	3396.805	1.56%	92.36%
34.0	831.277	54.296	3451.101	1.41%	93.84%
35.0	690.545	47.262	3498.363	1.22%	95.12%
36.0	562.163	39.886	3538.25	1.03%	96.21%
37.0	432.628	32.445	3570.694	0.84%	97.09%

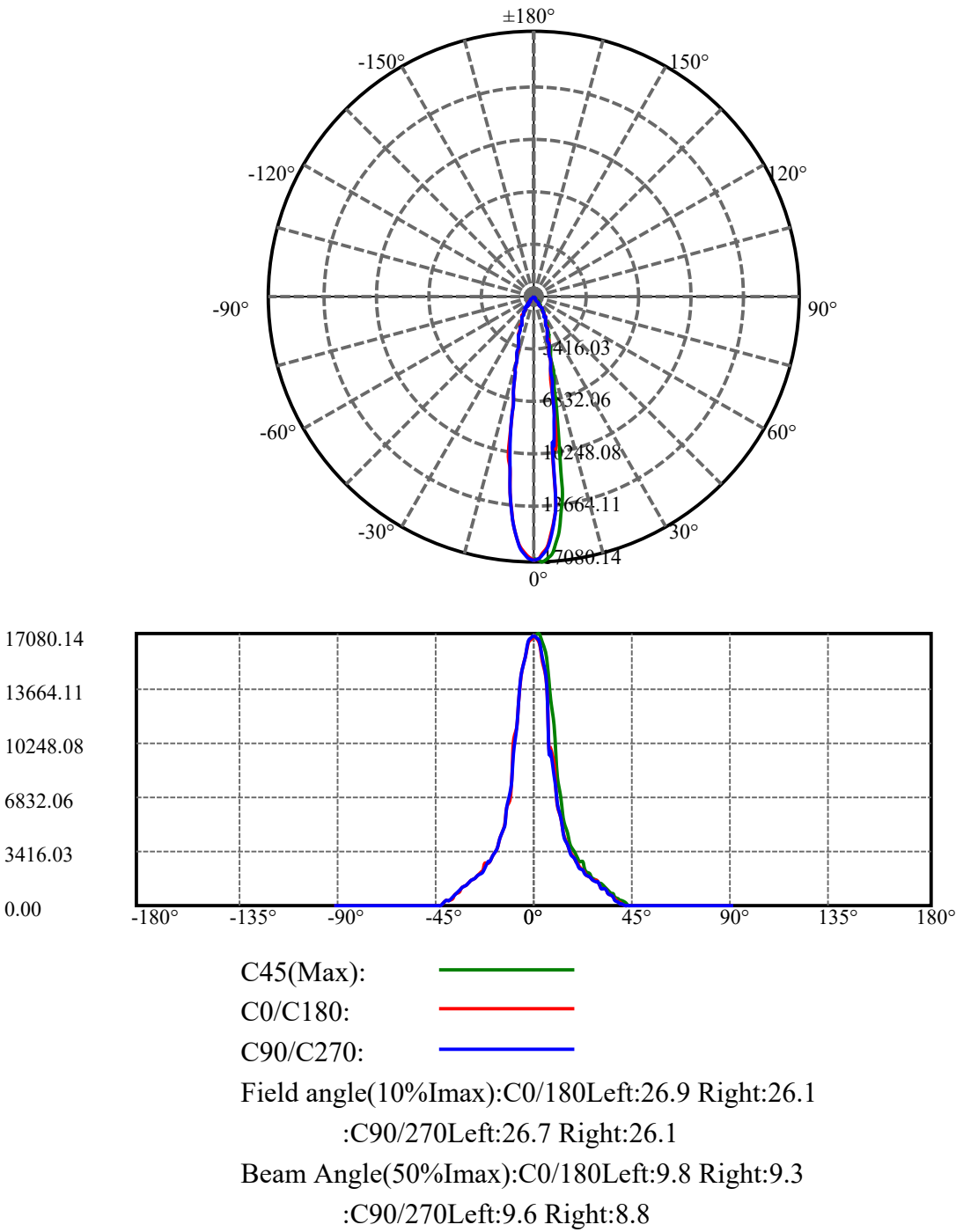
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	313.632	24.909	3595.603	0.65%	97.77%
39.0	232.471	18.640	3614.243	0.48%	98.27%
40.0	183.811	14.518	3628.762	0.38%	98.67%
41.0	72.001	9.109	3637.871	0.24%	98.91%
42.0	36.863	3.955	3641.826	0.10%	99.02%
43.0	30.122	2.481	3644.308	0.06%	99.09%
44.0	25.140	2.086	3646.394	0.05%	99.15%
45.0	22.388	1.827	3648.22	0.05%	99.20%
46.0	20.037	1.659	3649.879	0.04%	99.24%
47.0	17.612	1.497	3651.377	0.04%	99.28%
48.0	15.860	1.353	3652.73	0.04%	99.32%
49.0	14.482	1.246	3653.976	0.03%	99.35%
50.0	13.123	1.151	3655.127	0.03%	99.38%
51.0	11.910	1.059	3656.186	0.03%	99.41%
52.0	11.297	0.996	3657.182	0.03%	99.44%
53.0	10.911	0.966	3658.148	0.03%	99.47%
54.0	10.558	0.946	3659.094	0.02%	99.49%
55.0	10.312	0.932	3660.026	0.02%	99.52%
56.0	10.118	0.923	3660.949	0.02%	99.54%
57.0	9.952	0.918	3661.866	0.02%	99.57%
58.0	9.845	0.915	3662.782	0.02%	99.59%
59.0	9.679	0.913	3663.695	0.02%	99.62%
60.0	9.532	0.908	3664.602	0.02%	99.64%
61.0	9.366	0.902	3665.504	0.02%	99.67%
62.0	9.352	0.902	3666.406	0.02%	99.69%
63.0	9.452	0.915	3667.321	0.02%	99.72%
64.0	9.426	0.926	3668.247	0.02%	99.74%
65.0	9.292	0.926	3669.173	0.02%	99.77%
66.0	8.520	0.889	3670.062	0.02%	99.79%
67.0	7.620	0.812	3670.874	0.02%	99.81%
68.0	6.455	0.713	3671.587	0.02%	99.83%
69.0	5.589	0.614	3672.201	0.02%	99.85%
70.0	5.023	0.545	3672.746	0.01%	99.86%
71.0	4.643	0.500	3673.246	0.01%	99.88%
72.0	4.203	0.460	3673.706	0.01%	99.89%
73.0	3.877	0.423	3674.128	0.01%	99.90%
74.0	3.484	0.387	3674.515	0.01%	99.91%
75.0	3.117	0.349	3674.864	0.01%	99.92%

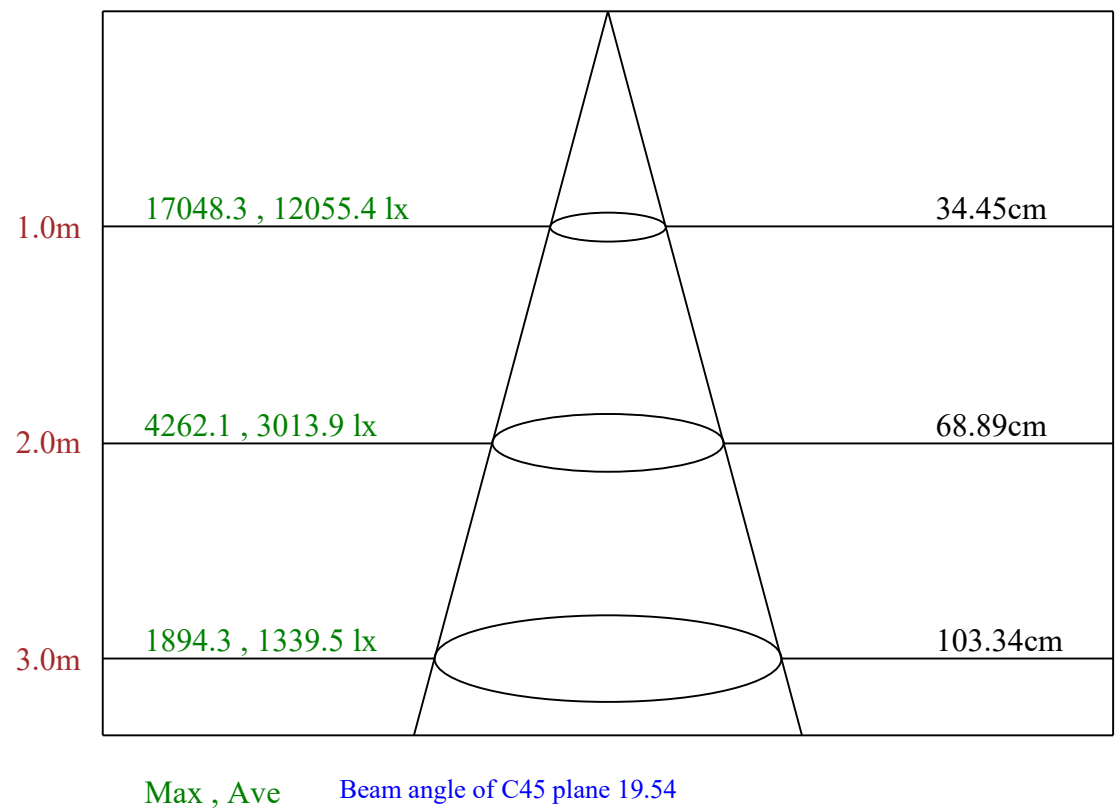
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.758	0.312	3675.176	0.01%	99.93%
77.0	2.485	0.280	3675.455	0.01%	99.94%
78.0	2.305	0.256	3675.712	0.01%	99.94%
79.0	2.125	0.238	3675.95	0.01%	99.95%
80.0	1.992	0.222	3676.172	0.01%	99.96%
81.0	1.858	0.208	3676.38	0.01%	99.96%
82.0	1.792	0.198	3676.578	0.01%	99.97%
83.0	1.672	0.188	3676.766	0.00%	99.97%
84.0	1.592	0.178	3676.944	0.00%	99.98%
85.0	1.499	0.169	3677.113	0.00%	99.98%
86.0	1.426	0.160	3677.272	0.00%	99.99%
87.0	1.292	0.149	3677.421	0.00%	99.99%
88.0	1.199	0.136	3677.558	0.00%	99.99%
89.0	1.092	0.126	3677.683	0.00%	100.00%
90.0	1.039	0.117	3677.8	0.00%	100.00%

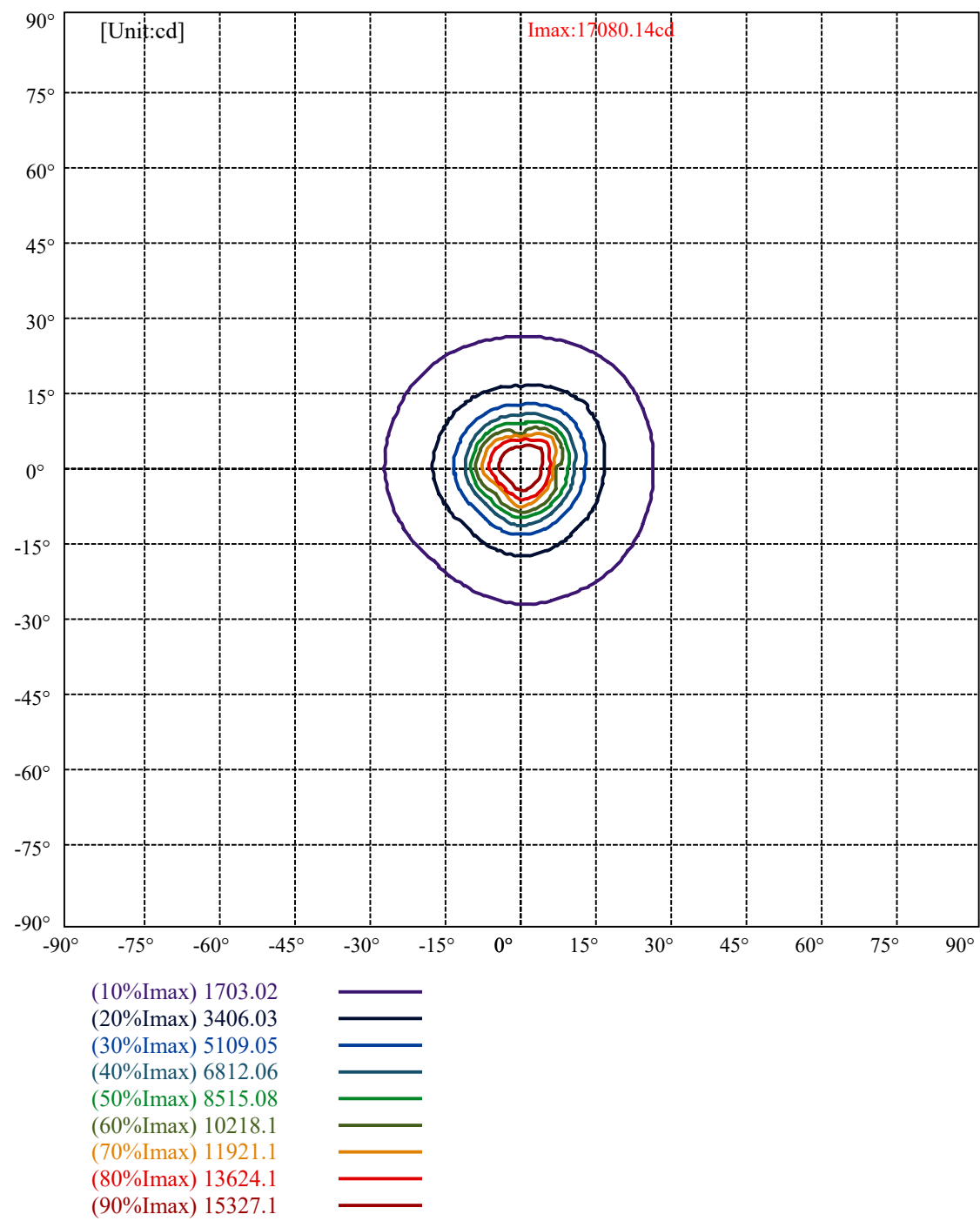
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3202.56	82.97%	87.08%
0-40	3628.76	94.01%	98.67%
0-60	3664.60	94.94%	99.64%
0-90	3677.68	95.28%	100.00%
0-120	3677.68	95.28%	100.00%
0-180	3677.80	95.28%	100.00%
60-90	13.08	0.34%	0.36%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.67	2942.24	76.22%	80.00%

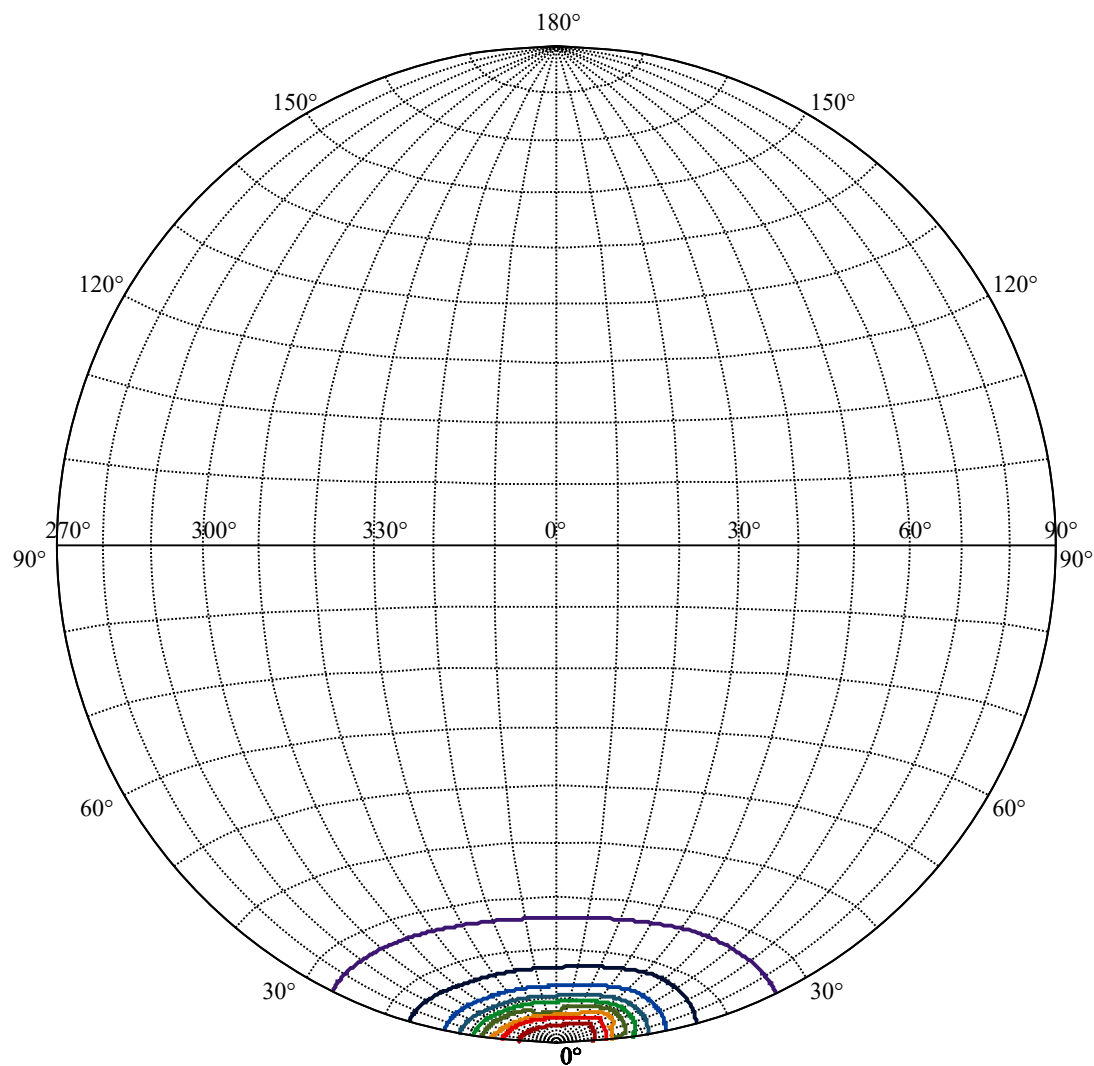
ZONAL LUMEN SUMMARY

0-10	1158.62
10-20	1178.65
20-30	865.30
30-40	426.20
40-50	26.36
50-60	9.48
60-70	8.14
70-80	3.43
80-90	1.51
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









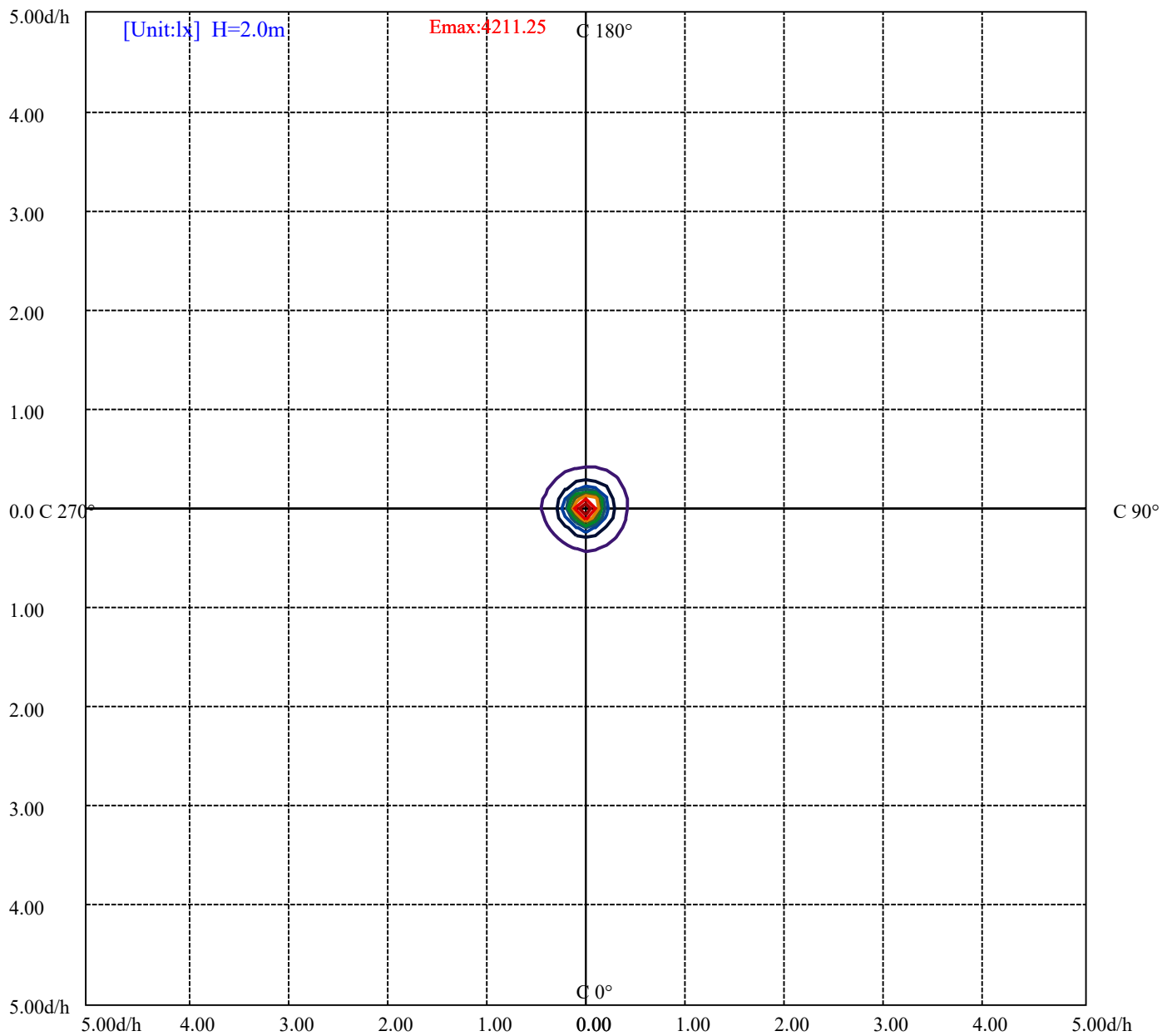
House

[Unit:cd]

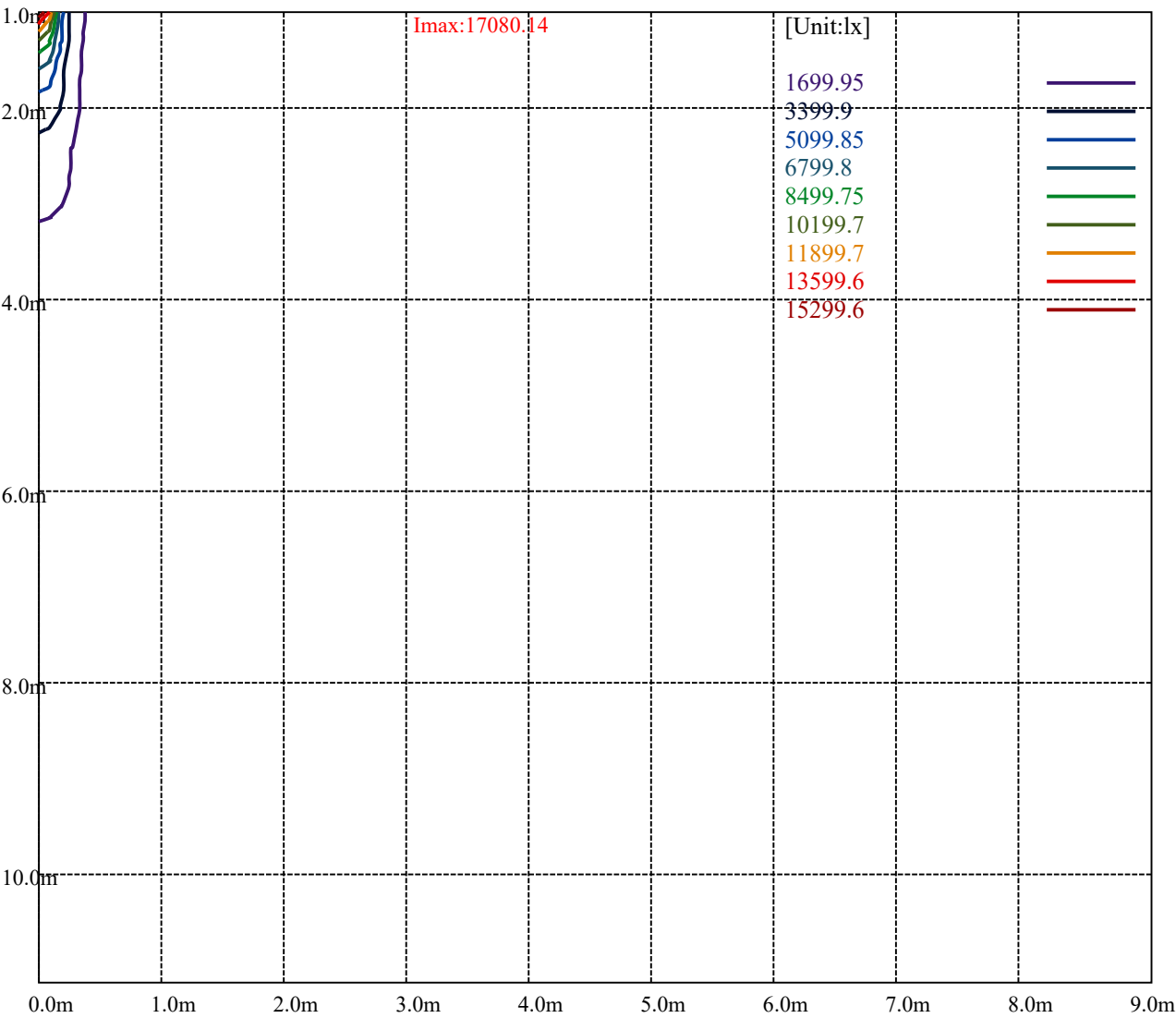
Road

Imax:17080.14

(10%Imax)	1707.94	—
(20%Imax)	3415.89	—
(30%Imax)	5123.83	—
(40%Imax)	6831.78	—
(50%Imax)	8539.72	—
(60%Imax)	10247.7	—
(70%Imax)	11955.6	—
(80%Imax)	13663.6	—
(90%Imax)	15371.5	—



(10%Emax)	421.125	—
(20%Emax)	842.25	—
(30%Emax)	1263.375	—
(40%Emax)	1684.5	—
(50%Emax)	2105.625	—
(60%Emax)	2526.75	—
(70%Emax)	2947.875	—
(80%Emax)	3369	—
(90%Emax)	3790.125	—



Luminance Table

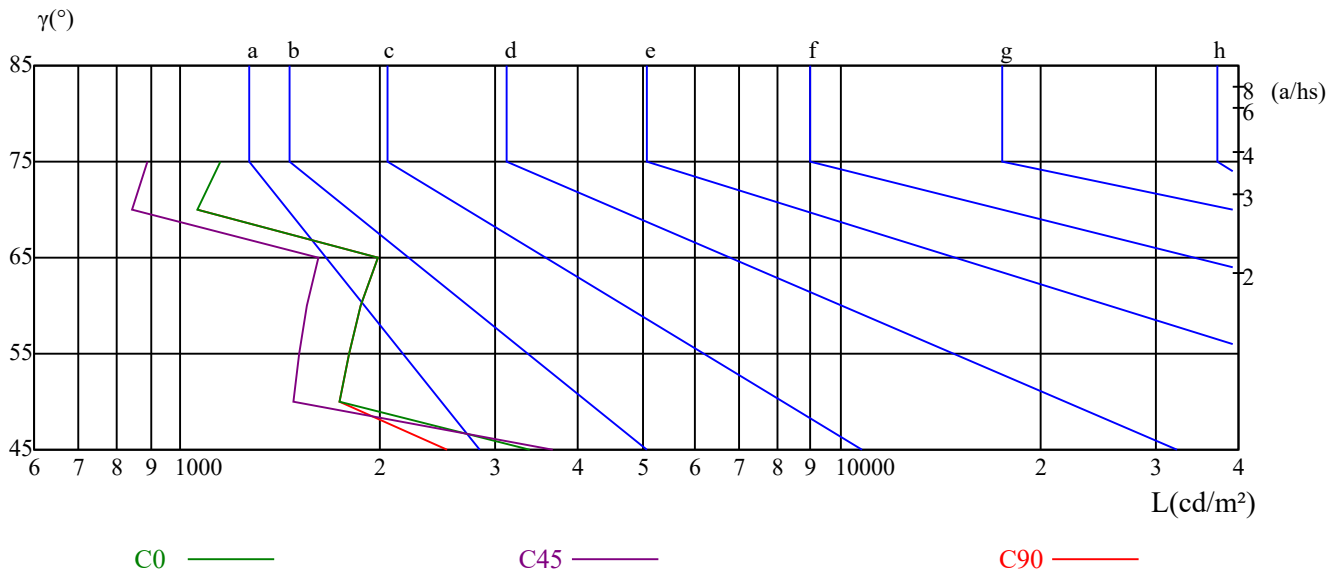
γ	45	50	55	60	65	70	75	80	85
C0	3378	1735	1797	1880	1985	1061	1148	0	0
C45	3661	1482	1512	1555	1613	845	894	0	0
C90	2533	1735	1797	1880	1985	1061	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4483	3363	3363	3660	1830	2745	0	0	0

Glare Table

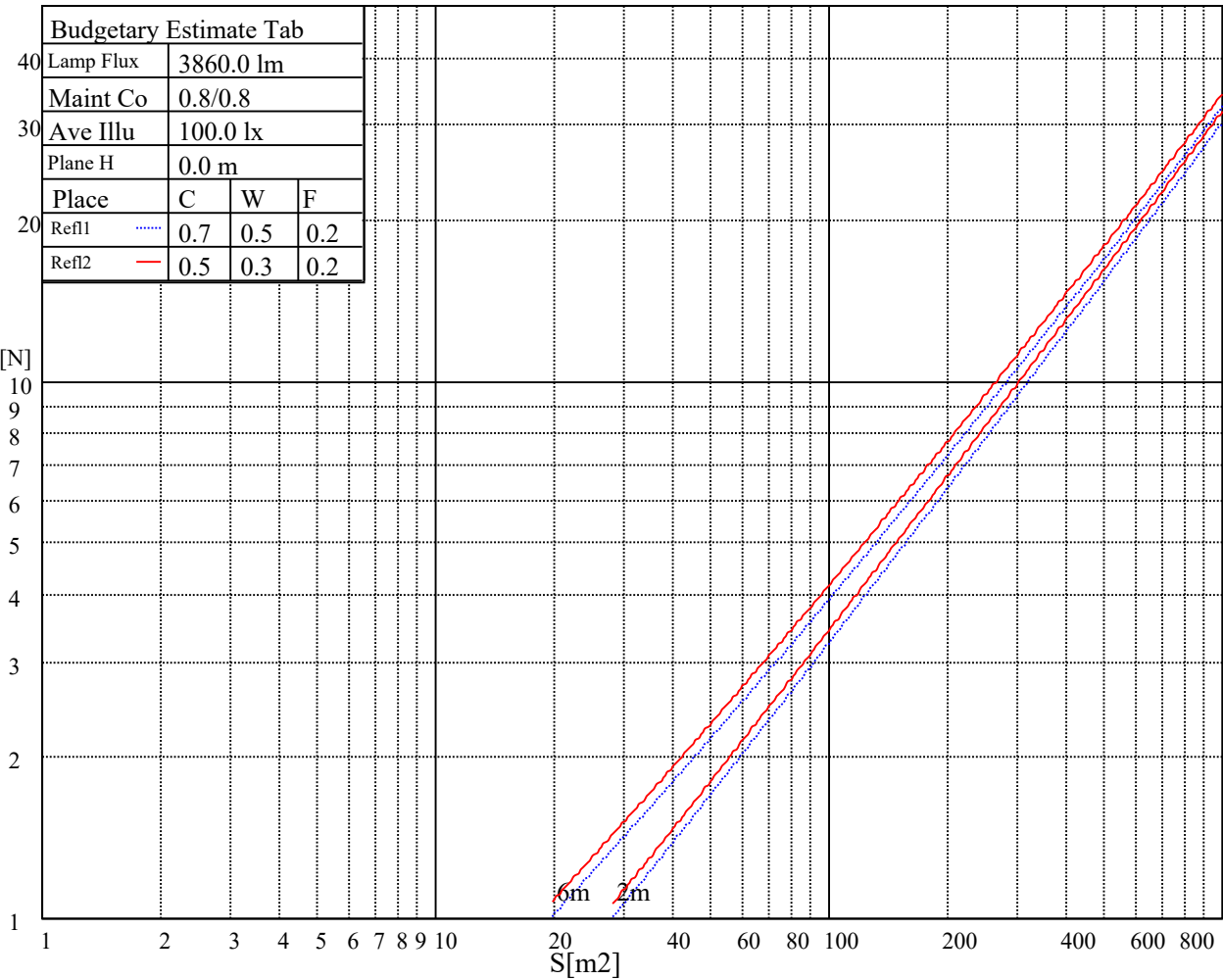
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

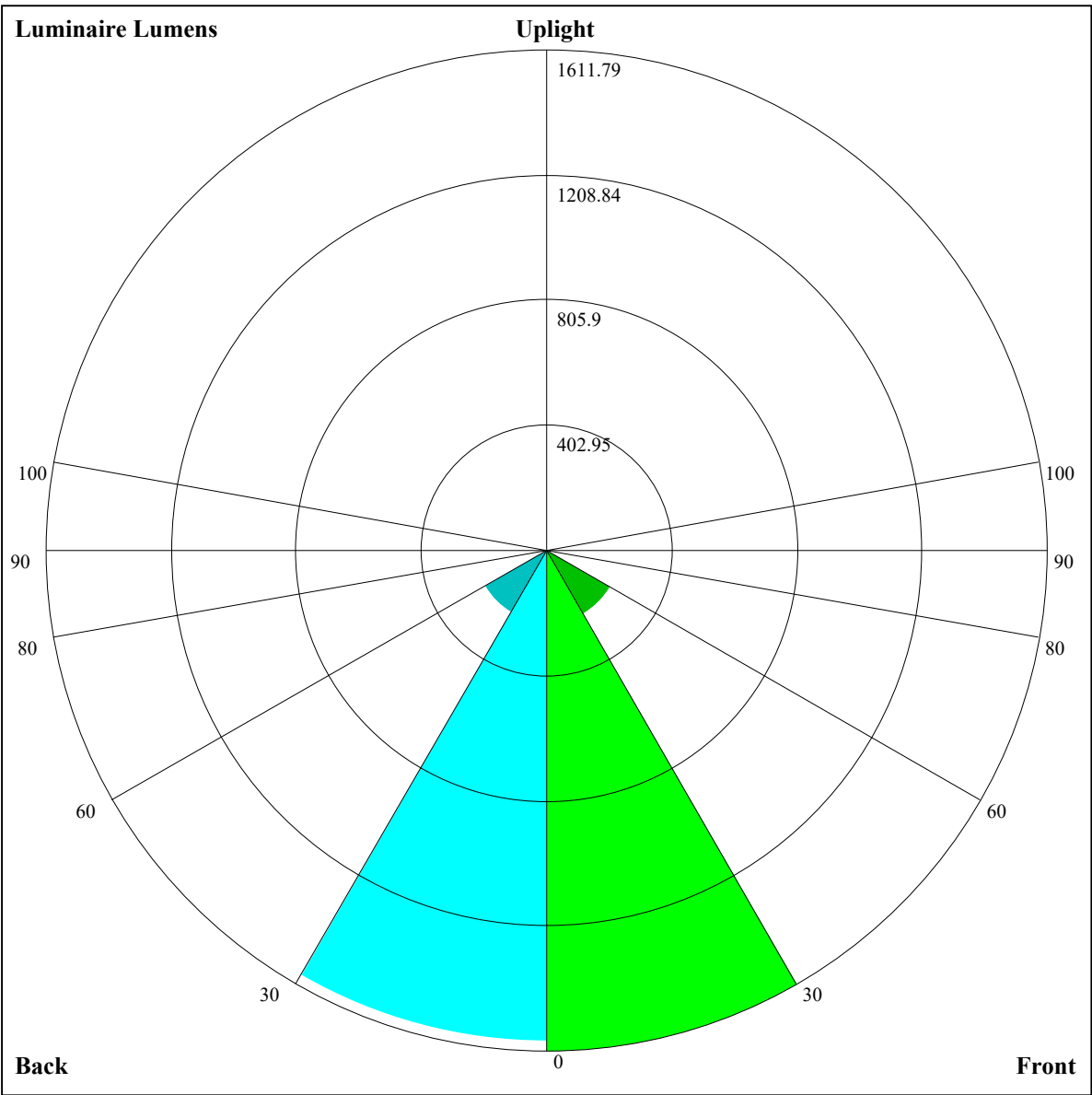


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.69	17.58	17.05	17.89	18.21	16.63	17.52	16.99	17.83	18.15
	3H	16.49	17.28	16.88	17.62	17.97	16.42	17.22	16.81	17.56	17.90
	4H	16.38	17.12	16.79	17.47	17.84	16.32	17.05	16.72	17.40	17.77
	6H	16.29	16.96	16.71	17.34	17.74	16.22	16.89	16.64	17.27	17.67
	8H	16.21	16.85	16.64	17.24	17.65	16.14	16.78	16.57	17.17	17.58
	12H	16.14	16.74	16.57	17.14	17.56	16.07	16.67	16.50	17.07	17.49
4H	2H	16.37	17.10	16.77	17.45	17.82	16.31	17.04	16.71	17.39	17.76
	3H	16.13	16.75	16.56	17.14	17.56	16.07	16.68	16.49	17.08	17.49
	4H	16.05	16.58	16.49	17.01	17.46	15.99	16.51	16.43	16.94	17.39
	6H	15.91	16.38	16.39	16.83	17.28	15.84	16.30	16.31	16.76	17.21
	8H	15.85	16.28	16.34	16.74	17.22	15.78	16.21	16.27	16.67	17.14
	12H	15.80	16.19	16.29	16.65	17.17	15.72	16.12	16.22	16.57	17.10
8H	4H	15.84	16.27	16.33	16.73	17.21	15.78	16.21	16.26	16.67	17.14
	6H	15.69	16.04	16.20	16.52	17.03	15.62	15.97	16.13	16.45	16.96
	8H	15.67	15.96	16.21	16.49	16.99	15.60	15.89	16.14	16.42	16.91
	12H	15.62	15.84	16.17	16.35	16.88	15.55	15.76	16.10	16.28	16.81
12H	4H	15.79	16.18	16.28	16.64	17.16	15.72	16.12	16.21	16.57	17.09
	6H	15.67	15.96	16.21	16.48	16.98	15.60	15.89	16.14	16.41	16.91
	8H	15.62	15.83	16.16	16.35	16.88	15.55	15.76	16.09	16.28	16.81
Variation with the observer position at spacings:											
S = 1.0H		5.9/-13.8					5.9/-13.3				
S = 1.5H		8.7/-13.5					8.7/-13.0				
S = 2.0H		10.7/-13.8					10.7/-13.4				
Standard tables:		BK0					BK0				
Uncorrected UGR		-2.6					-2.5				

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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.94	0.93	0.91
2	1.01	0.98	0.96	1.00	0.97	0.95	0.97	0.94	0.92	0.94	0.92	0.91	0.91	0.90	0.89	0.87
3	0.96	0.93	0.90	0.95	0.92	0.89	0.93	0.90	0.87	0.90	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.77
6	0.84	0.80	0.77	0.84	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
7	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.68
9	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
10	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64



Luminaire Lumens:

FL=1611.79,FM=238.44,FH=5.96,FVH=0.83

BL=1579.75,BM=232.97,BH=5.36,BVH=0.76

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	17000.20	16888.29	16573.88	16083.61	15358.87	14394.32	13189.97	9876.93	9876.93
45.0	16845.66	16994.87	17080.14	16882.96	16525.92	15907.76	15193.67	14133.20	12902.20
90.0	16941.58	16893.62	16627.17	16211.51	15572.03	14564.85	13205.95	9666.43	9666.43
135.0	16882.96	16850.99	16696.45	16088.94	15518.74	15076.43	14085.24	12832.92	11372.78
180.0	17000.20	16803.03	16589.87	16174.21	15550.71	14772.68	13866.75	12699.70	11223.57
225.0	16787.04	16414.01	15827.82	15428.15	14660.77	13680.24	10192.94	10192.94	9208.14
270.0	16941.58	16856.32	16680.46	16206.18	15635.98	14788.67	13962.67	12763.65	11287.51
315.0	16882.96	16787.04	16531.25	16088.94	15412.16	14628.80	13541.68	10620.32	10620.32
360.0	17000.20	16888.29	16573.88	16083.61	15358.87	14394.32	13189.97	9876.93	9876.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8880.94	7374.43	6268.13	5472.51	4840.49	4303.86	3821.05	3494.92	3244.46
45.0	11362.12	9651.51	8063.47	6779.18	5883.91	5196.47	4583.63	4077.38	3683.03
90.0	8167.92	7385.09	6319.82	5514.61	4862.34	4275.08	3840.24	3483.73	3200.76
135.0	9619.54	8063.47	6864.44	5894.57	5175.15	4556.99	4061.39	3688.36	3400.59
180.0	10280.33	7956.89	6720.56	6171.67	5185.81	4823.44	4290.54	3826.91	3517.83
225.0	7631.82	6429.60	5625.45	4990.77	4425.36	3918.57	3605.23	3266.84	3027.56
270.0	9571.58	7876.95	7077.60	6107.73	5100.55	4764.82	4237.25	3784.28	3464.54
315.0	8868.68	7336.59	6384.30	5347.28	4818.64	4250.04	3785.88	3432.04	3184.24
360.0	8880.94	7374.43	6268.13	5472.51	4840.49	4303.86	3821.05	3494.92	3244.46
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3012.64	2800.55	2606.04	2413.66	2241.54	2089.13	1956.44	1825.88	1711.83
45.0	3384.61	3171.45	2942.30	2718.48	2718.48	2310.28	2125.37	1963.90	1826.41
90.0	2947.10	2725.41	2519.18	2335.33	2186.12	2037.44	1907.94	1781.64	1714.50
135.0	3118.16	2857.04	2659.86	2659.86	2271.38	2112.04	1934.05	1861.58	1756.07
180.0	3224.74	2990.26	2766.44	2686.51	2638.55	2210.63	2069.94	1921.80	1821.08
225.0	2833.06	2577.80	2411.00	2228.21	2060.35	1903.68	1782.18	1662.81	1567.95
270.0	3198.09	2952.96	2707.82	2707.82	2301.22	2129.10	1988.94	1873.84	1781.11
315.0	2943.90	2735.00	2546.89	2368.37	2211.69	2076.34	1960.70	1850.39	1743.81
360.0	3012.64	2800.55	2606.04	2413.66	2241.54	2089.13	1956.44	1825.88	1711.83
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1614.31	1555.69	1468.30	1300.97	1032.97	1032.97	923.09	781.92	639.53
45.0	1695.31	1579.68	1475.76	1384.10	1334.01	1171.47	1038.25	960.98	773.40
90.0	1567.42	1515.73	1436.33	1280.72	1021.78	1021.78	911.63	771.96	628.24
135.0	1656.95	1565.29	1485.89	1399.56	1278.05	1143.23	998.28	855.46	711.58
180.0	1679.33	1577.01	1505.60	1415.54	1298.30	1161.88	1023.33	887.97	745.69
225.0	1469.37	1376.11	1270.59	1031.75	1031.75	949.20	767.06	628.18	548.89
270.0	1661.21	1590.87	1505.60	1404.35	1317.49	1183.73	1041.98	904.49	761.67
315.0	1645.22	1554.63	1468.30	1354.79	1028.66	1028.66	999.24	859.25	715.36
360.0	1614.31	1555.69	1468.30	1300.97	1032.97	1032.97	923.09	781.92	639.53
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	506.52	379.37	261.76	160.40	79.88	40.23	28.83	26.22	21.58
45.0	701.46	568.76	443.00	325.76	285.26	176.07	59.58	36.34	30.11
90.0	492.40	366.69	249.50	149.05	70.82	37.52	28.99	25.74	20.68
135.0	570.36	438.74	316.17	269.27	269.27	61.12	35.65	29.79	24.73
180.0	607.67	473.38	350.81	327.89	284.20	91.50	36.24	32.03	26.75
225.0	424.03	311.37	207.14	121.50	63.04	39.22	32.93	27.71	25.10
270.0	619.92	483.50	360.93	294.85	294.85	70.08	36.29	31.17	24.09
315.0	574.95	439.22	319.74	211.03	123.15	60.27	36.40	31.97	28.08
360.0	506.52	379.37	261.76	160.40	79.88	40.23	28.83	26.22	21.58

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	20.36	18.23	15.61	14.92	13.70	12.47	11.40	10.87	10.71
45.0	25.53	22.54	19.82	16.95	14.34	12.36	11.08	10.39	10.02
90.0	18.01	16.57	14.71	13.70	12.79	11.56	10.71	10.34	10.02
135.0	22.06	19.88	18.07	16.57	15.24	13.86	12.52	11.78	11.14
180.0	22.91	20.36	17.96	16.20	15.19	13.75	12.26	11.56	11.40
225.0	22.38	19.56	16.31	13.64	11.99	10.98	10.44	10.18	9.81
270.0	21.96	19.61	17.32	15.40	14.12	12.95	11.62	10.66	10.18
315.0	25.90	23.55	21.10	19.50	18.49	17.05	15.24	14.60	14.02
360.0	20.36	18.23	15.61	14.92	13.70	12.47	11.40	10.87	10.71
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.50	10.34	10.28	10.23	10.23	10.02	9.81	9.81	9.91
45.0	9.86	9.75	9.70	9.70	9.97	10.44	10.66	11.24	12.10
90.0	9.70	9.49	9.33	9.22	8.95	8.74	8.58	8.21	8.21
135.0	10.55	10.28	10.07	9.81	9.81	9.49	8.95	8.74	8.37
180.0	11.14	10.98	10.92	10.60	10.23	10.07	9.91	9.49	9.43
225.0	9.43	9.01	8.58	8.47	8.47	8.42	8.74	8.63	8.85
270.0	9.75	9.43	9.22	9.06	9.01	8.74	8.47	8.21	7.89
315.0	13.54	13.22	12.84	12.52	12.10	11.51	11.14	10.60	10.07
360.0	10.50	10.34	10.28	10.23	10.23	10.02	9.81	9.81	9.91
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.39	10.82	11.40	10.28	9.22	6.55	5.86	5.38	4.80
45.0	12.20	12.20	11.56	9.86	7.89	6.39	5.54	5.01	4.74
90.0	8.58	8.74	9.01	8.31	7.57	6.13	4.90	4.42	4.05
135.0	8.05	7.78	7.62	7.19	6.77	6.34	5.97	5.70	5.38
180.0	9.65	10.39	10.98	10.87	9.97	8.10	6.13	4.96	4.42
225.0	9.43	8.85	7.46	5.92	4.69	4.10	3.89	3.68	3.46
270.0	7.67	7.51	7.57	7.46	7.03	6.39	5.60	4.64	4.21
315.0	9.65	9.11	8.74	8.26	7.83	7.62	6.82	6.39	6.08
360.0	10.39	10.82	11.40	10.28	9.22	6.55	5.86	5.38	4.80
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.32	3.78	3.41	3.04	2.77	2.61	2.45	2.08	1.76
45.0	4.58	4.42	4.00	3.89	3.52	3.14	2.93	2.77	2.56
90.0	3.57	3.25	2.88	2.40	2.13	1.87	1.76	1.60	1.49
135.0	5.01	4.58	4.21	3.68	3.20	3.04	2.72	2.66	2.56
180.0	3.94	3.57	3.30	2.77	2.18	1.92	1.81	1.65	1.60
225.0	3.20	3.04	2.66	2.50	2.40	2.24	2.18	1.92	1.87
270.0	3.84	3.52	3.04	2.72	2.34	2.03	1.87	1.76	1.65
315.0	5.17	4.85	4.37	3.94	3.52	3.04	2.72	2.56	2.45
360.0	4.32	3.78	3.41	3.04	2.77	2.61	2.45	2.08	1.76
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.60	1.60	1.49	1.44	1.39	1.33	1.23	1.17	1.07
45.0	2.29	2.08	1.81	1.65	1.49	1.39	1.28	1.17	1.07
90.0	1.49	1.49	1.33	1.33	1.28	1.23	1.17	1.12	1.01
135.0	2.34	2.34	2.24	2.08	1.87	1.76	1.49	1.39	1.33
180.0	1.55	1.49	1.44	1.44	1.39	1.33	1.23	1.12	0.96
225.0	1.71	1.55	1.44	1.33	1.17	1.07	0.91	0.85	0.80
270.0	1.55	1.49	1.44	1.33	1.33	1.28	1.23	1.12	1.01
315.0	2.34	2.29	2.18	2.13	2.08	2.03	1.81	1.65	1.49
360.0	1.60	1.60	1.49	1.44	1.39	1.33	1.23	1.17	1.07

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	1.07
45.0	1.01
90.0	1.01
135.0	1.07
180.0	0.91
225.0	0.80
270.0	1.01
315.0	1.44
360.0	1.07