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

NT

Client: NT

LumCAT: 2-2969-LM

Luminaire: 92.70.411.00

Report No: 20250413-B011

Ballast type: AC

Test No: 20250413-C011

Voltage(V): 35.490

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.895

Lamp flux(lm): 3860.0

Power (W): 31.750

Number of Lamps: 1

PF: 0.000

Length(mm): 75

Width(mm): 75

Phm Type: C

Height(mm): 44

Photometric Results

Lumens(lm): 3721.65, Efficiency(%): 96.42% , Luminous Efficacy(lm/W): 117.22

Central intensity(cd): 12198.770, Maximum intensity(cd): 12198.770

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=28.3

[C90/270]Total=25.5

Field angle(10%Imax): [C0/180]Total=64.4

[C90/270]Total=60.8

Maximum s/h(1/2): C0_180=0.49 C90_270=0.40

Maximum s/h(1/4): C0_180=0.51 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.37%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.849%

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	12156.142	0.000	0	0.00%	0.00%
1.0	12113.510	11.613	11.613	0.30%	0.31%
2.0	11992.275	34.599	46.211	0.90%	1.24%
3.0	11783.112	56.863	103.074	1.47%	2.77%
4.0	11432.264	77.709	180.784	2.01%	4.86%
5.0	10925.609	96.182	276.966	2.49%	7.44%
6.0	10678.677	113.536	390.502	2.94%	10.49%
7.0	10195.203	129.564	520.066	3.36%	13.97%
8.0	9690.080	142.315	662.381	3.69%	17.80%
9.0	8979.458	151.306	813.688	3.92%	21.86%
10.0	8331.518	156.658	970.346	4.06%	26.07%
11.0	7659.199	159.780	1130.126	4.14%	30.37%
12.0	6957.636	159.783	1289.909	4.14%	34.66%
13.0	6269.995	156.979	1446.887	4.07%	38.88%
14.0	5640.707	152.456	1599.343	3.95%	42.97%
15.0	5025.407	146.429	1745.773	3.79%	46.91%
16.0	4487.045	139.384	1885.157	3.61%	50.65%
17.0	3949.482	131.379	2016.536	3.40%	54.18%
18.0	3522.629	123.199	2139.735	3.19%	57.49%
19.0	3135.144	115.832	2255.567	3.00%	60.61%
20.0	2807.810	108.773	2364.339	2.82%	63.53%
21.0	2614.634	104.122	2468.461	2.70%	66.33%
22.0	2390.882	100.588	2569.049	2.61%	69.03%
23.0	2105.048	94.337	2663.386	2.44%	71.56%
24.0	1968.026	89.052	2752.438	2.31%	73.96%
25.0	1798.298	85.638	2838.076	2.22%	76.26%
26.0	1690.385	82.351	2920.426	2.13%	78.47%
27.0	1591.466	80.291	3000.718	2.08%	80.63%
28.0	1508.800	78.492	3079.21	2.03%	82.74%
29.0	1443.719	77.246	3156.456	2.00%	84.81%
30.0	1310.914	74.375	3230.831	1.93%	86.81%
31.0	1234.310	70.830	3301.661	1.83%	88.71%
32.0	1097.674	66.809	3368.469	1.73%	90.51%
33.0	1004.037	61.917	3430.386	1.60%	92.17%
34.0	866.835	56.618	3487.004	1.47%	93.70%
35.0	725.883	49.464	3536.468	1.28%	95.02%
36.0	595.875	42.085	3578.553	1.09%	96.15%
37.0	459.260	34.413	3612.966	0.89%	97.08%

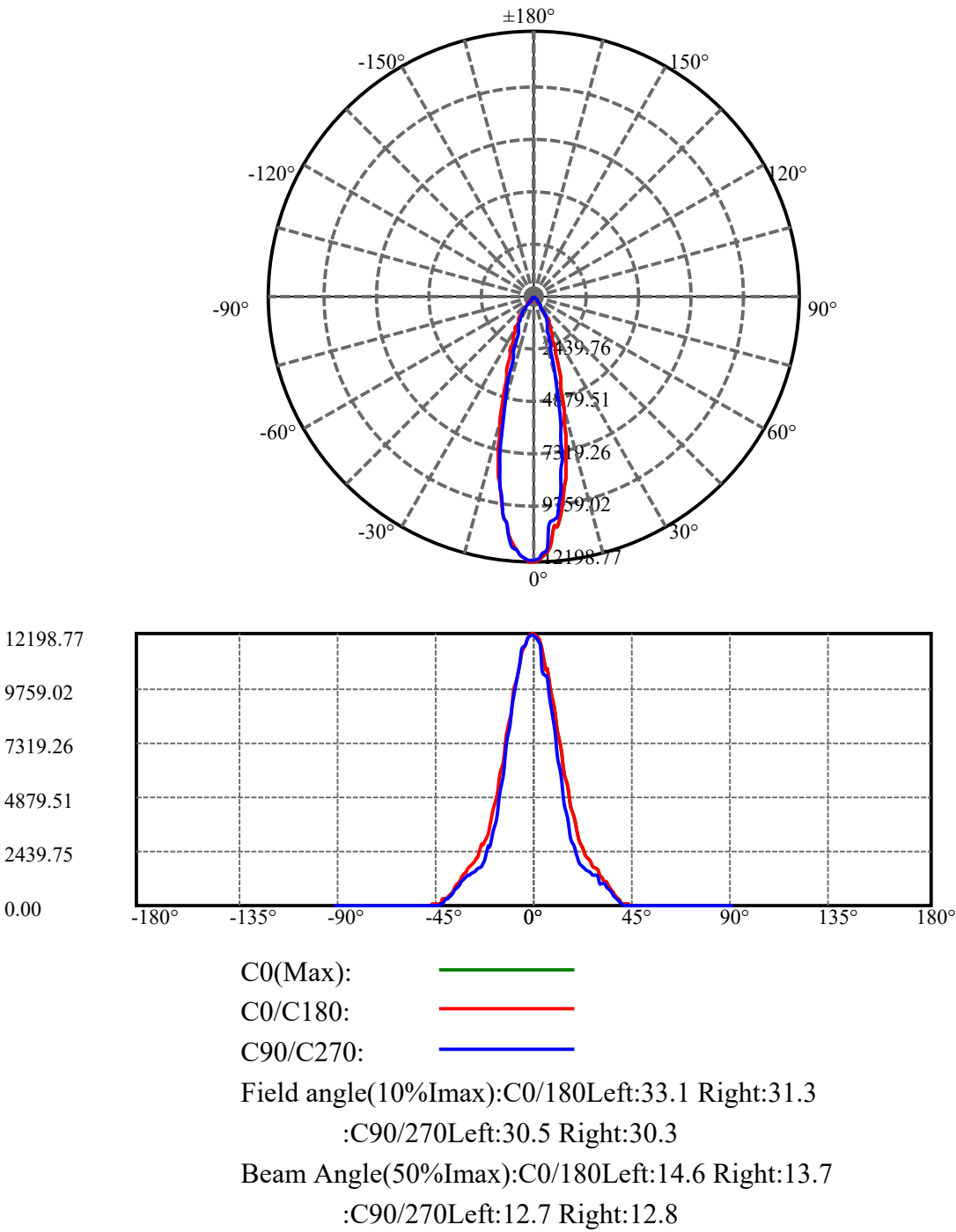
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	345.479	26.861	3639.827	0.70%	97.80%
39.0	246.979	20.222	3660.049	0.52%	98.34%
40.0	194.395	15.394	3675.443	0.40%	98.76%
41.0	98.540	10.431	3685.874	0.27%	99.04%
42.0	50.779	5.425	3691.299	0.14%	99.18%
43.0	40.047	3.364	3694.664	0.09%	99.27%
44.0	32.480	2.737	3697.401	0.07%	99.35%
45.0	27.051	2.288	3699.689	0.06%	99.41%
46.0	22.622	1.943	3701.632	0.05%	99.46%
47.0	18.958	1.654	3703.285	0.04%	99.51%
48.0	16.693	1.441	3704.726	0.04%	99.55%
49.0	14.655	1.287	3706.014	0.03%	99.58%
50.0	13.009	1.153	3707.167	0.03%	99.61%
51.0	11.404	1.033	3708.2	0.03%	99.64%
52.0	10.085	0.922	3709.122	0.02%	99.66%
53.0	9.086	0.834	3709.956	0.02%	99.69%
54.0	8.327	0.767	3710.724	0.02%	99.71%
55.0	7.660	0.714	3711.437	0.02%	99.73%
56.0	7.088	0.666	3712.104	0.02%	99.74%
57.0	6.628	0.627	3712.731	0.02%	99.76%
58.0	6.182	0.592	3713.323	0.02%	99.78%
59.0	5.842	0.562	3713.885	0.01%	99.79%
60.0	5.469	0.534	3714.42	0.01%	99.81%
61.0	5.156	0.507	3714.927	0.01%	99.82%
62.0	4.863	0.483	3715.409	0.01%	99.83%
63.0	4.543	0.457	3715.867	0.01%	99.84%
64.0	4.277	0.433	3716.3	0.01%	99.86%
65.0	3.997	0.409	3716.709	0.01%	99.87%
66.0	3.764	0.387	3717.096	0.01%	99.88%
67.0	3.517	0.366	3717.462	0.01%	99.89%
68.0	3.277	0.344	3717.806	0.01%	99.90%
69.0	3.071	0.324	3718.13	0.01%	99.91%
70.0	2.824	0.303	3718.433	0.01%	99.91%
71.0	2.605	0.281	3718.714	0.01%	99.92%
72.0	2.405	0.260	3718.974	0.01%	99.93%
73.0	2.225	0.242	3719.216	0.01%	99.93%
74.0	2.058	0.225	3719.441	0.01%	99.94%
75.0	1.918	0.210	3719.652	0.01%	99.95%

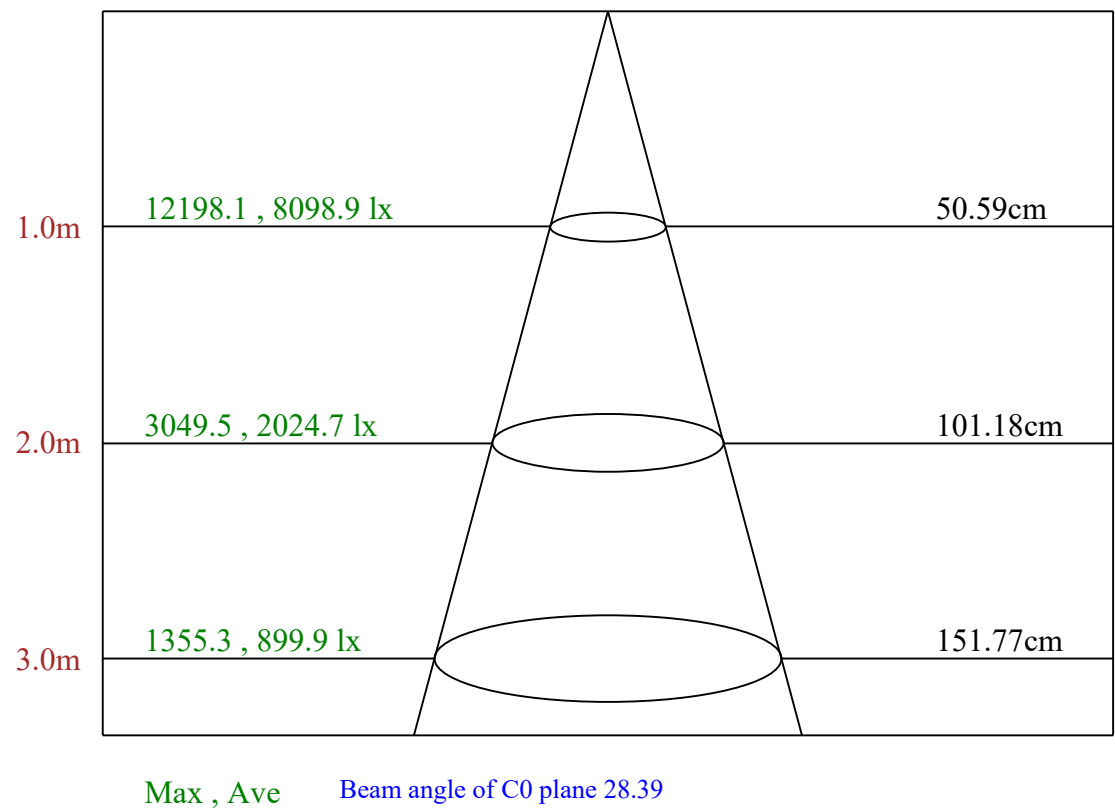
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.812	0.198	3719.85	0.01%	99.95%
77.0	1.712	0.188	3720.037	0.00%	99.96%
78.0	1.612	0.178	3720.215	0.00%	99.96%
79.0	1.519	0.168	3720.384	0.00%	99.97%
80.0	1.459	0.161	3720.544	0.00%	99.97%
81.0	1.366	0.153	3720.697	0.00%	99.97%
82.0	1.292	0.144	3720.841	0.00%	99.98%
83.0	1.206	0.136	3720.977	0.00%	99.98%
84.0	1.119	0.127	3721.103	0.00%	99.99%
85.0	1.026	0.117	3721.221	0.00%	99.99%
86.0	0.919	0.106	3721.327	0.00%	99.99%
87.0	0.826	0.096	3721.422	0.00%	99.99%
88.0	0.713	0.084	3721.507	0.00%	100.00%
89.0	0.673	0.076	3721.583	0.00%	100.00%
90.0	0.600	0.070	3721.652	0.00%	100.00%

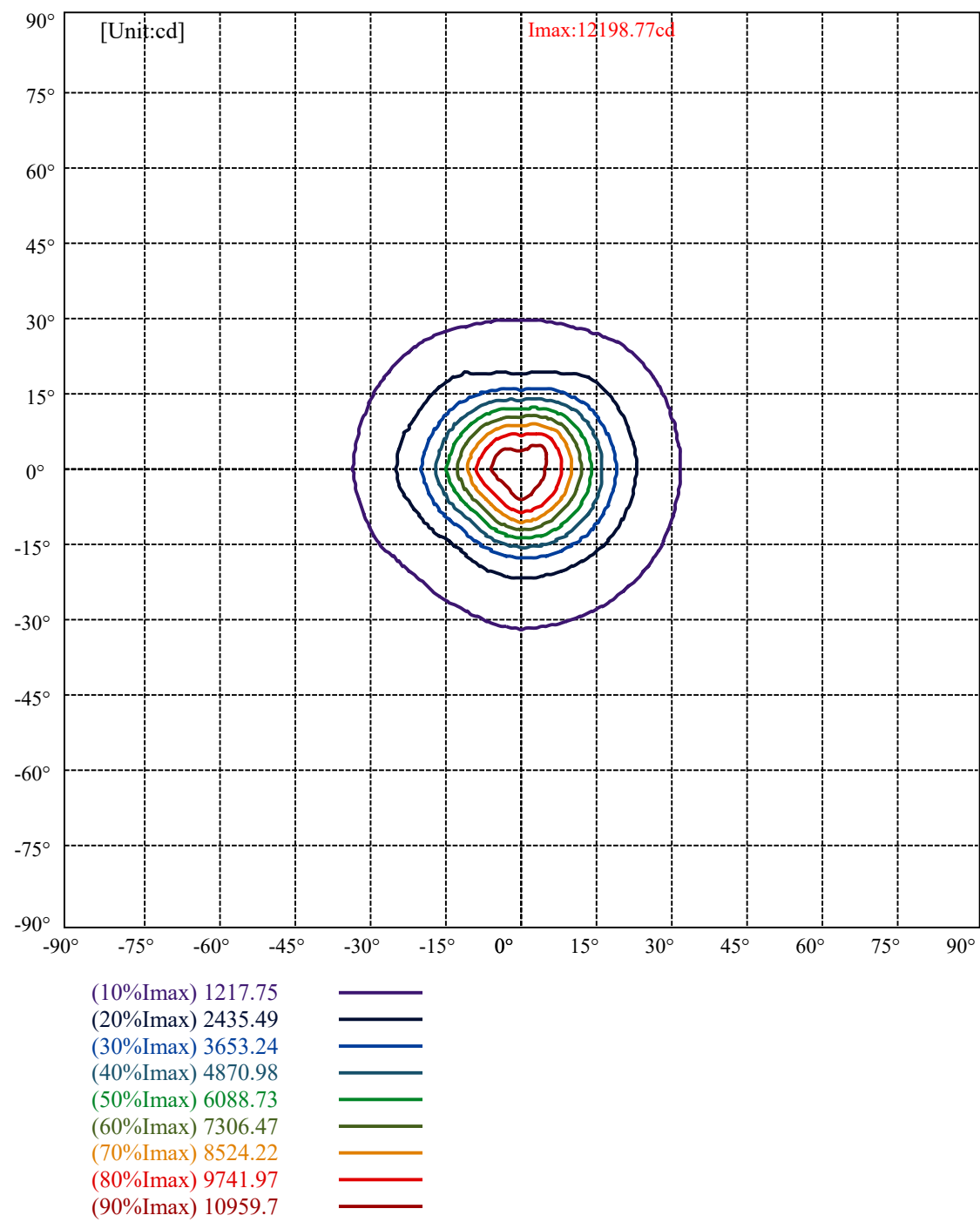
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3230.83	83.70%	86.81%
0-40	3675.44	95.22%	98.76%
0-60	3714.42	96.23%	99.81%
0-90	3721.58	96.41%	100.00%
0-120	3721.58	96.41%	100.00%
0-180	3721.65	96.42%	100.00%
60-90	7.16	0.19%	0.19%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.71	2977.32	77.13%	80.00%

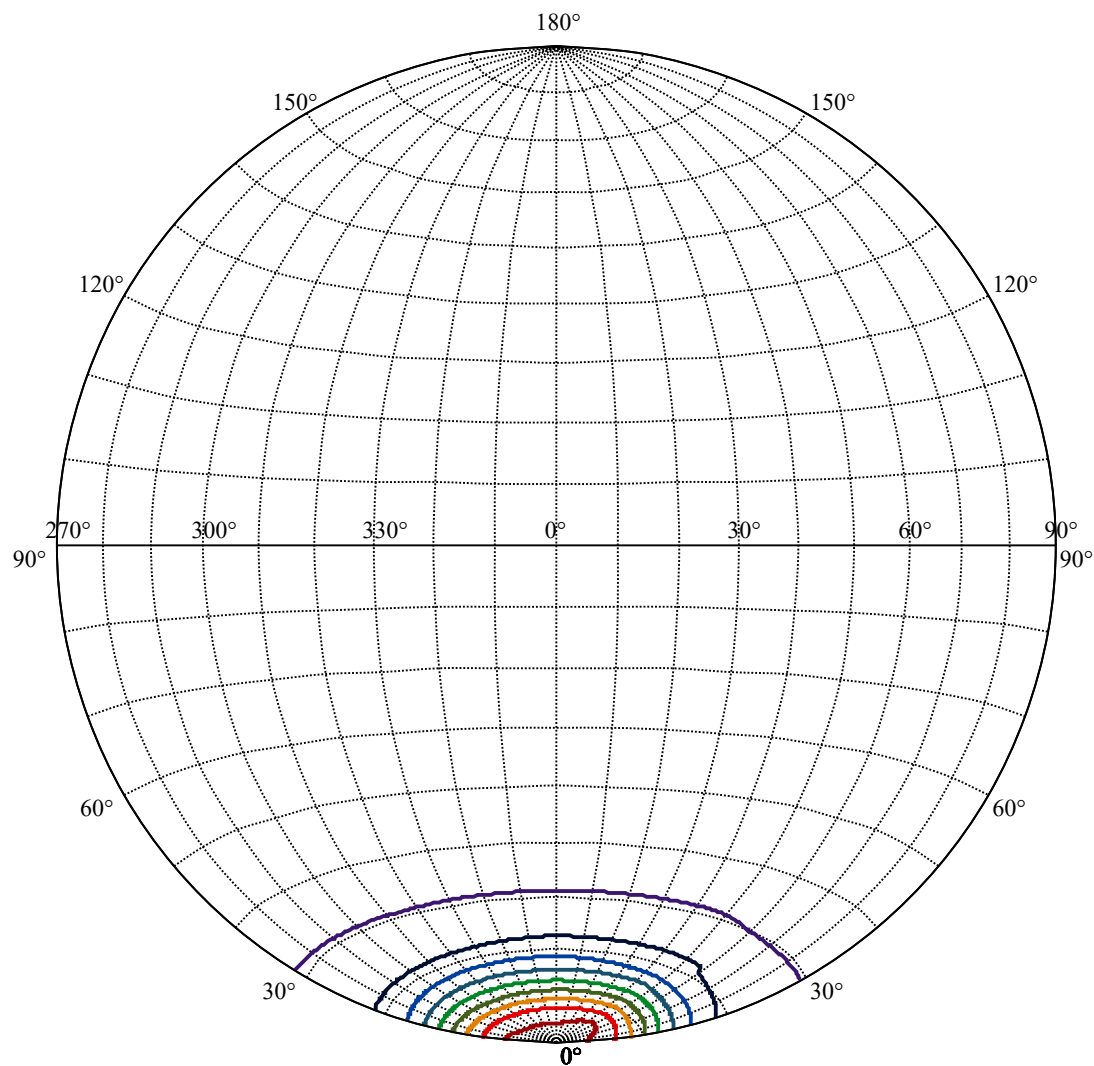
ZONAL LUMEN SUMMARY

0-10	970.35
10-20	1393.99
20-30	866.49
30-40	444.61
40-50	31.72
50-60	7.25
60-70	4.01
70-80	2.11
80-90	1.04
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









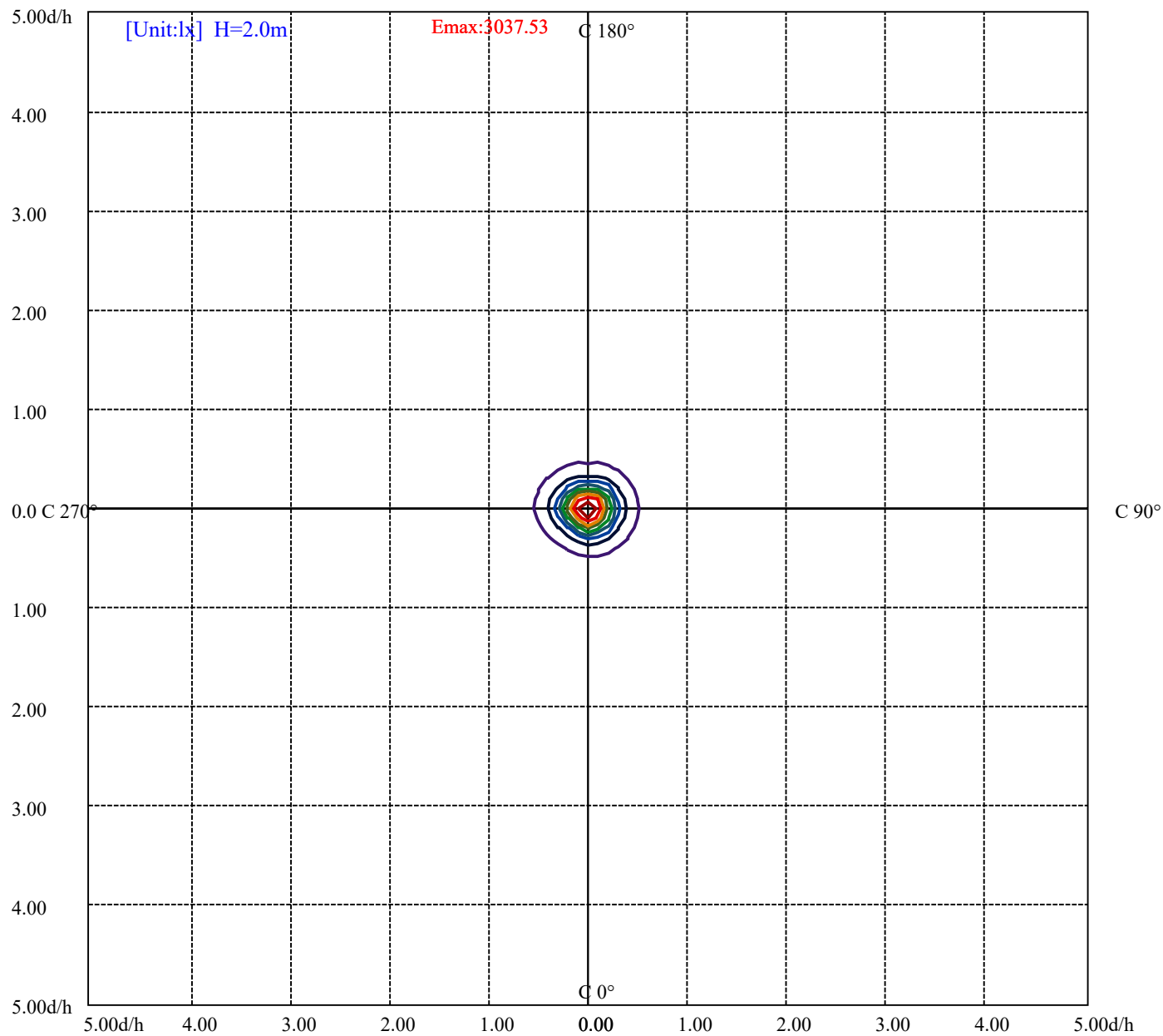
House

[Unit:cd]

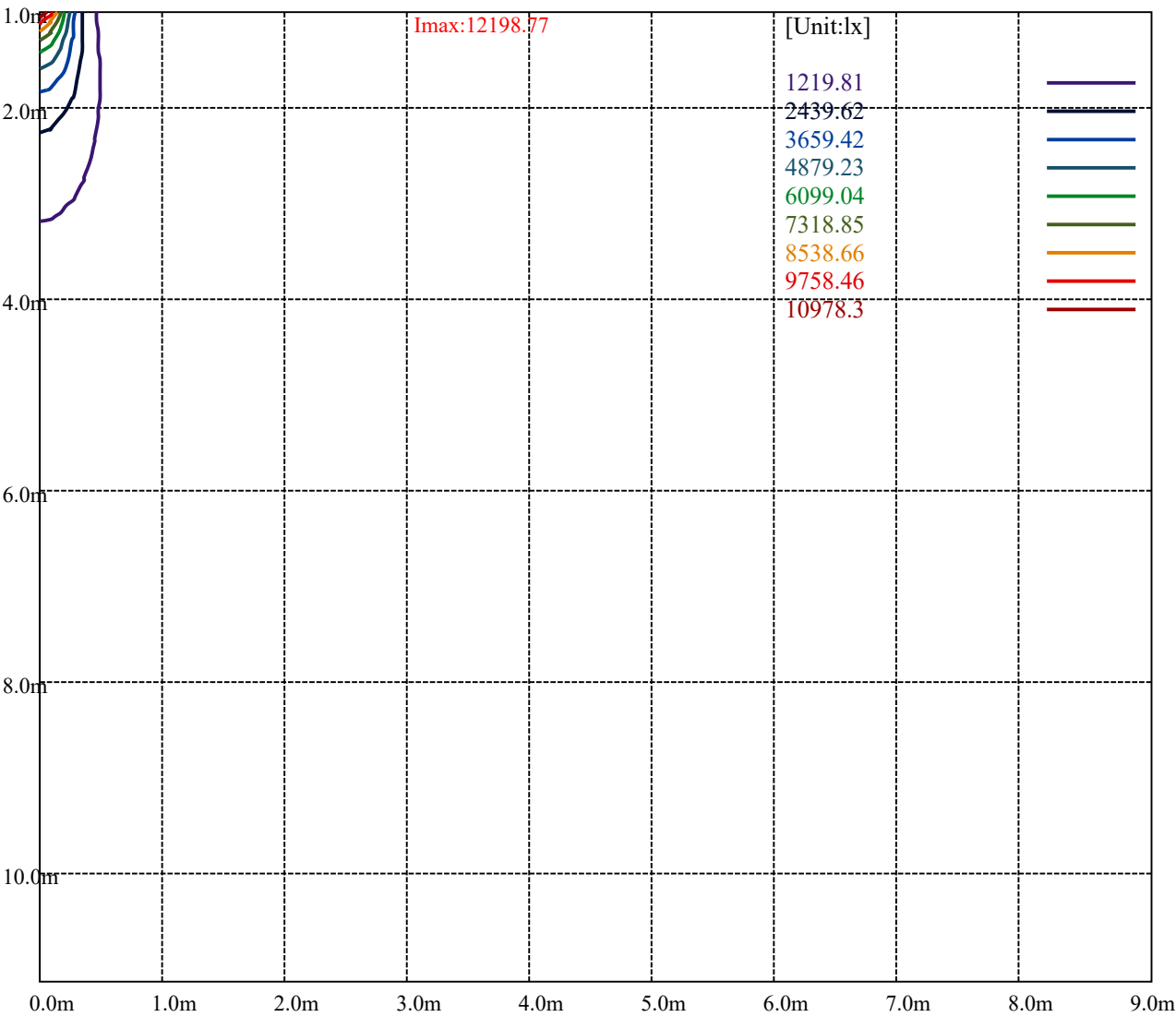
Road

Imax:12198.77

(10%Imax)	1219.81	—
(20%Imax)	2439.62	—
(30%Imax)	3659.42	—
(40%Imax)	4879.23	—
(50%Imax)	6099.04	—
(60%Imax)	7318.85	—
(70%Imax)	8538.66	—
(80%Imax)	9758.46	—
(90%Imax)	10978.3	—



(10%Emax) 303.7525	—
(20%Emax) 607.505	—
(30%Emax) 911.26	—
(40%Emax) 1215.012	—
(50%Emax) 1518.765	—
(60%Emax) 1822.517	—
(70%Emax) 2126.272	—
(80%Emax) 2430.025	—
(90%Emax) 2733.775	—



Luminance Table

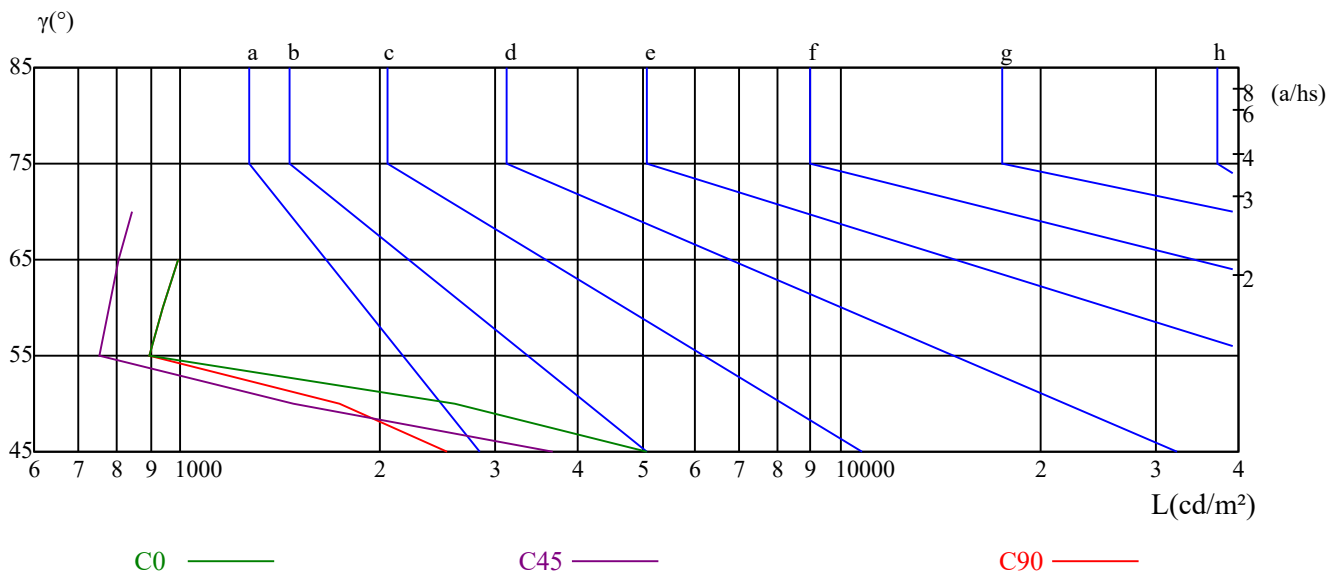
γ	45	50	55	60	65	70	75	80	85
C0	5066	2602	899	940	993	0	0	0	0
C45	3661	1482	756	777	807	845	0	0	0
C90	2533	1735	899	940	993	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2242	2242	2242	0	0	0	0	0	0

Glare Table

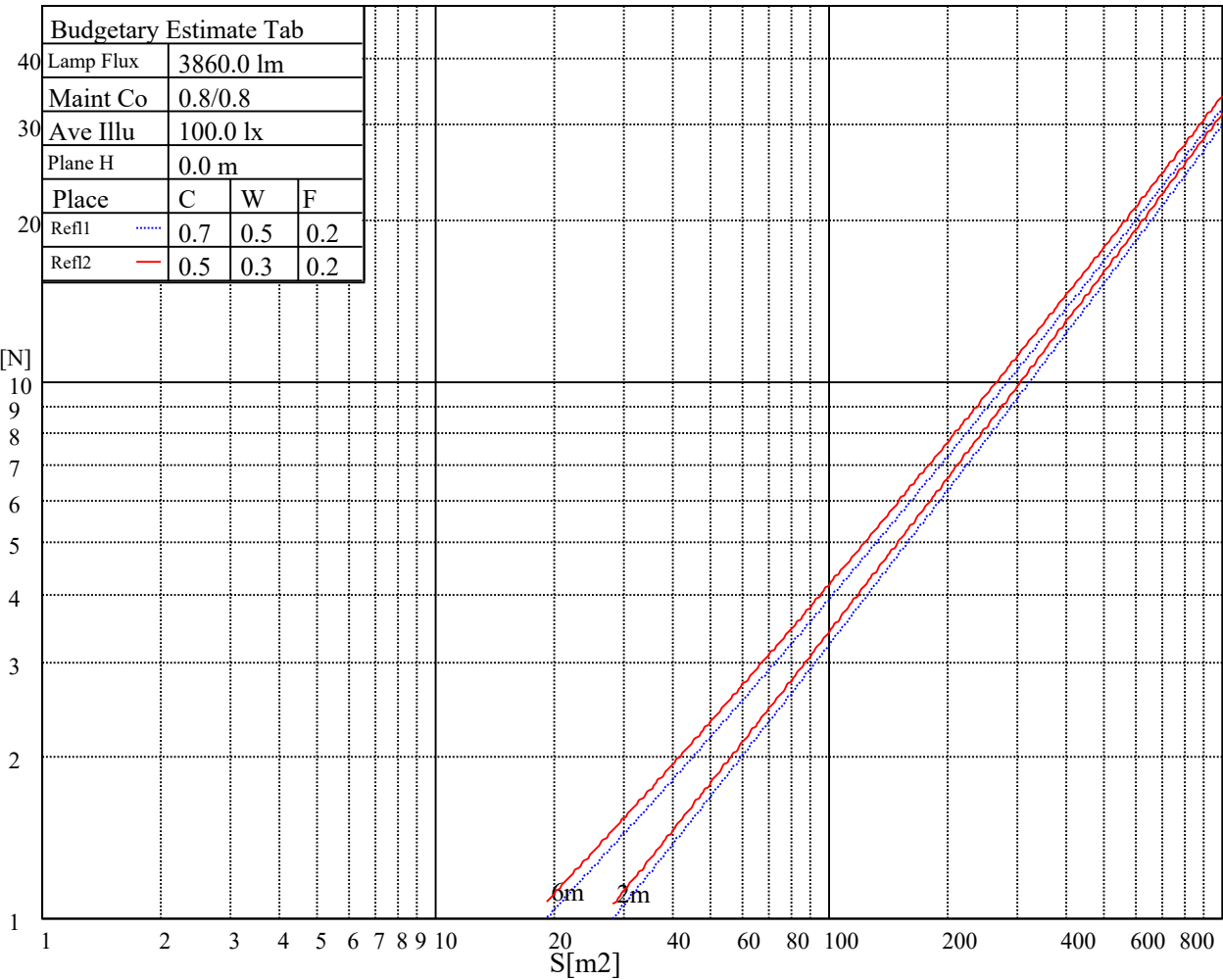
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

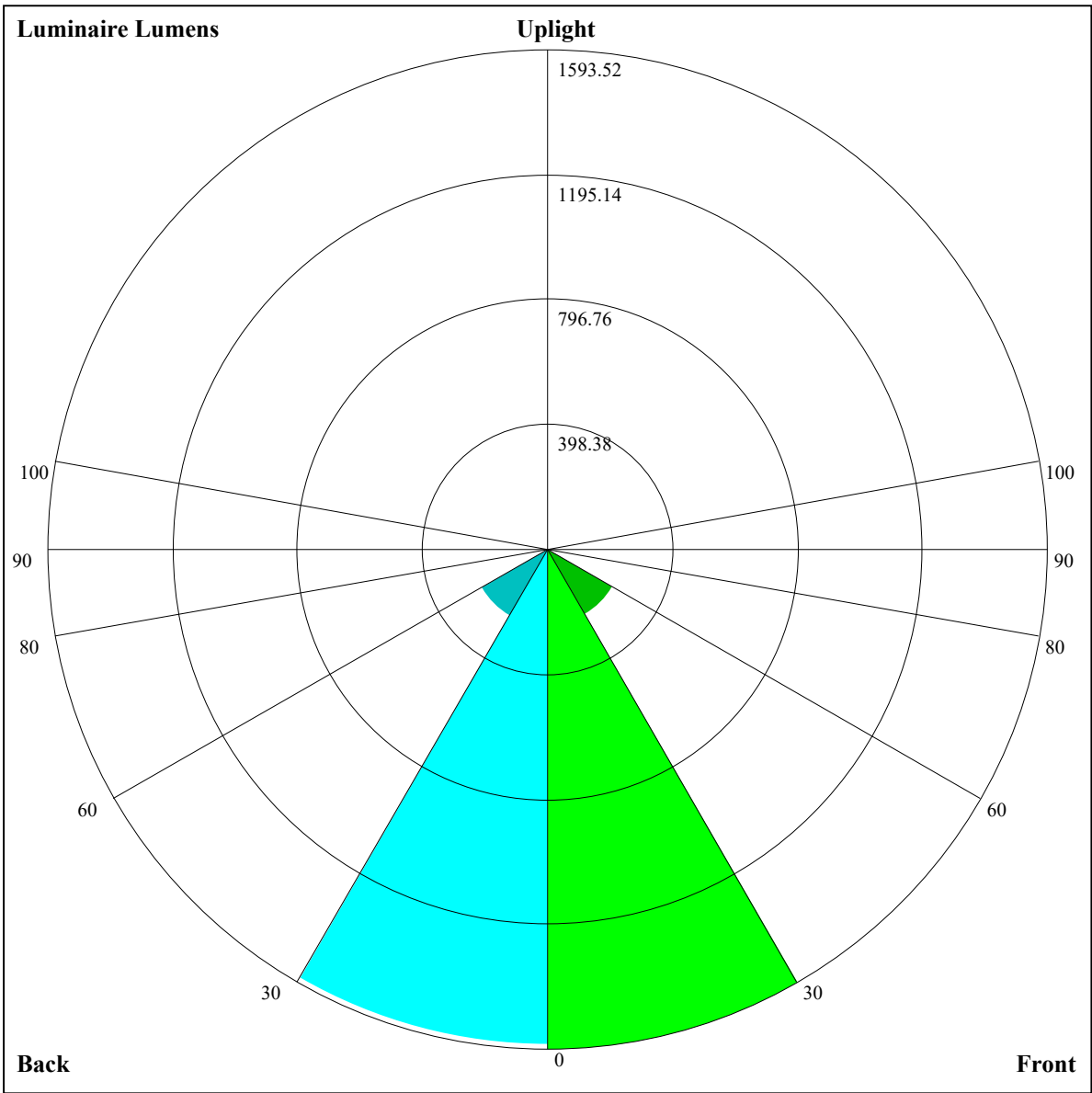


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.70	17.59	17.06	17.90	18.22	16.18	17.07	16.55	17.38	17.70
	3H	16.48	17.27	16.87	17.61	17.95	15.96	16.75	16.35	17.09	17.44
	4H	16.37	17.10	16.77	17.45	17.82	15.85	16.58	16.25	16.94	17.31
	6H	16.27	16.94	16.69	17.32	17.72	15.76	16.42	16.18	16.80	17.20
	8H	16.19	16.83	16.62	17.22	17.62	15.68	16.31	16.10	16.70	17.11
	12H	16.12	16.72	16.55	17.12	17.54	15.60	16.20	16.03	16.60	17.02
4H	2H	16.36	17.10	16.77	17.45	17.82	15.85	16.58	16.25	16.93	17.30
	3H	16.10	16.72	16.53	17.11	17.53	15.59	16.20	16.02	16.60	17.02
	4H	16.02	16.55	16.46	16.97	17.42	15.50	16.03	15.94	16.46	16.91
	6H	15.87	16.33	16.35	16.79	17.24	15.35	15.82	15.83	16.27	16.73
	8H	15.81	16.24	16.30	16.70	17.17	15.29	15.72	15.78	16.18	16.66
	12H	15.75	16.15	16.25	16.60	17.12	15.24	15.63	15.73	16.08	16.61
8H	4H	15.81	16.23	16.29	16.69	17.17	15.29	15.72	15.78	16.18	16.65
	6H	15.65	15.99	16.15	16.47	16.99	15.13	15.48	15.64	15.96	16.47
	8H	15.63	15.92	16.17	16.44	16.94	15.11	15.40	15.65	15.92	16.42
	12H	15.57	15.79	16.12	16.31	16.83	15.06	15.27	15.60	15.79	16.31
12H	4H	15.75	16.14	16.24	16.60	17.12	15.23	15.63	15.73	16.08	16.60
	6H	15.63	15.91	16.16	16.44	16.94	15.11	15.40	15.65	15.92	16.42
	8H	15.57	15.79	16.12	16.30	16.83	15.06	15.27	15.60	15.79	16.31
Variation with the observer position at spacings:											
S = 1.0H		6.0/-17.6					6.0/-17.5				
S = 1.5H		8.8/-17.7					8.8/-17.7				
S = 2.0H		10.8/-17.6					10.8/-17.4				
Standard tables:		BK0					BK0				
Uncorrected UGR		-3.0					-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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.96
1	1.08	1.06	1.04	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95	0.95	0.94	0.92
2	1.02	0.99	0.96	1.01	0.98	0.95	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.88
3	0.97	0.93	0.90	0.96	0.92	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.89	0.87	0.85	0.84
4	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.88	0.84	0.80	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.77
6	0.84	0.80	0.76	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	0.75	0.72	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	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
9	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
10	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.63



Luminaire Lumens:

FL=1593.52,FM=237.07,FH=2.78,FVH=0.58

BL=1578.9,BM=243.75,BH=3.13,BVH=0.48

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	12198.77	12129.50	11985.61	11761.80	11452.71	10625.12	10625.12	10116.73	9654.71
45.0	12150.81	12182.79	12140.15	12001.60	11777.78	11468.70	11069.03	10594.74	10035.20
90.0	12129.50	12028.25	11831.07	11564.62	10537.72	10312.84	10194.54	9555.59	8999.24
135.0	12145.48	12081.54	11980.28	11719.16	11479.36	11122.32	10690.67	10173.75	9587.56
180.0	12198.77	12177.46	12076.21	11900.35	11660.54	11340.80	10941.13	10498.82	10189.74
225.0	12150.81	12038.90	11836.40	11575.28	11308.83	10430.08	10430.08	9832.16	9185.22
270.0	12129.50	12145.48	12076.21	11921.67	11692.52	11516.66	10994.42	10514.81	10179.08
315.0	12145.48	12124.17	12012.26	11820.41	11548.64	10588.35	10484.43	10275.00	9689.88
360.0	12198.77	12129.50	11985.61	11761.80	11452.71	10625.12	10625.12	10116.73	9654.71

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8924.64	8416.25	7778.90	7150.08	6534.05	5937.20	5372.86	4849.55	4366.21
45.0	9401.05	8724.27	7999.52	7285.44	6560.69	5862.59	5212.45	4834.10	4045.40
90.0	8098.64	7471.95	6697.11	5938.80	5214.59	4539.93	3937.76	3415.52	2978.54
135.0	8942.75	8265.97	7573.20	6885.76	6214.31	5569.50	4983.31	4439.75	3960.14
180.0	9635.52	8772.23	8383.21	7733.07	7093.59	6470.10	5878.58	5329.69	4818.11
225.0	8491.39	7775.17	7053.09	6340.60	5660.62	5008.89	4412.04	3861.55	3382.48
270.0	9283.81	8846.83	8100.77	7333.40	6566.02	5814.63	5111.20	4455.74	3869.55
315.0	9057.86	8379.48	7687.78	6993.94	6316.09	5922.81	5295.05	4710.46	4175.43
360.0	8924.64	8416.25	7778.90	7150.08	6534.05	5937.20	5372.86	4849.55	4366.21

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3925.50	3526.89	3172.51	2861.30	2598.58	2371.56	2180.25	2013.46	1870.64
45.0	3555.14	3288.69	2899.67	2702.50	2702.50	2089.13	1903.15	1744.87	1624.97
90.0	2619.90	2325.20	2085.40	1905.28	1758.73	1646.29	1559.43	1484.29	1426.73
135.0	3528.49	3144.80	2819.73	2755.79	2755.79	2189.31	2013.99	1868.51	1748.07
180.0	4349.16	3928.17	3544.48	3208.75	2910.33	2702.50	2702.50	2220.75	2122.70
225.0	3132.01	2636.42	2342.79	2192.51	1984.15	1815.22	1672.93	1556.23	1451.25
270.0	3368.62	2942.30	2665.19	2665.19	2055.02	1878.63	1740.08	1670.80	1577.01
315.0	3702.22	3288.69	2932.71	2625.76	2361.97	2147.75	1971.89	1827.47	1701.71
360.0	3925.50	3526.89	3172.51	2861.30	2598.58	2371.56	2180.25	2013.46	1870.64

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1749.14	1645.22	1584.47	1399.02	1312.16	1025.14	1025.14	873.10	718.46
45.0	1527.98	1443.25	1377.71	1314.82	1246.08	1118.18	1025.46	901.29	771.80
90.0	1376.64	1332.41	1298.30	1010.22	1010.22	985.39	859.78	728.42	591.25
135.0	1644.16	1556.23	1480.56	1394.23	1279.65	1150.69	1011.60	870.92	727.04
180.0	1974.55	1846.66	1735.28	1637.76	1519.46	1377.71	1231.16	1076.62	918.88
225.0	1364.38	1300.97	1253.01	1045.12	1045.12	943.55	814.06	681.95	547.98
270.0	1495.48	1430.46	1376.64	1329.75	1266.86	1165.08	1049.44	922.61	792.58
315.0	1599.39	1515.19	1443.79	1356.39	1194.92	1015.65	1015.65	879.76	739.08
360.0	1749.14	1645.22	1584.47	1399.02	1312.16	1025.14	1025.14	873.10	718.46

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	574.52	437.51	309.24	200.00	111.91	68.42	53.02	44.92	35.38
45.0	643.37	518.67	399.83	288.99	288.99	101.04	53.98	38.64	31.76
90.0	464.64	342.71	227.76	131.52	61.66	35.49	28.88	23.13	19.66
135.0	585.82	453.66	353.47	329.49	281.00	72.95	47.85	38.85	30.80
180.0	765.40	612.99	474.97	347.61	299.12	299.12	92.56	78.60	64.96
225.0	475.99	319.47	256.11	162.32	90.22	52.44	41.83	34.16	28.78
270.0	659.36	526.67	401.43	288.46	288.46	93.68	50.41	31.81	24.73
315.0	597.91	462.40	341.00	227.44	133.81	65.17	37.68	30.27	23.77
360.0	574.52	437.51	309.24	200.00	111.91	68.42	53.02	44.92	35.38

Intensity data(cd)

Appendix Page: 18 Total:19

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	29.31	24.94	20.46	18.28	15.67	13.43	11.46	9.91	8.90
45.0	26.38	22.70	18.76	17.05	13.80	12.63	11.30	10.02	8.90
90.0	16.73	14.23	13.27	12.10	11.24	10.07	9.06	8.26	7.57
135.0	25.42	20.62	17.21	15.19	13.48	11.83	10.39	9.22	8.42
180.0	54.04	45.24	37.30	32.13	28.35	24.78	21.42	18.54	16.20
225.0	24.19	19.88	17.27	15.03	13.38	12.04	10.82	9.86	9.06
270.0	20.84	17.64	14.60	12.58	11.46	10.28	9.33	8.42	7.62
315.0	19.50	15.72	12.79	11.19	9.86	9.01	7.46	6.45	6.02
360.0	29.31	24.94	20.46	18.28	15.67	13.43	11.46	9.91	8.90
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	8.10	7.25	6.71	6.18	5.70	5.33	4.90	4.64	4.32
45.0	8.15	7.51	6.98	6.45	6.02	5.60	5.28	4.96	4.64
90.0	6.93	6.39	5.97	5.49	5.12	4.80	4.48	4.10	3.89
135.0	7.83	7.51	6.87	6.66	6.39	6.18	5.92	5.70	5.44
180.0	14.55	13.22	12.04	11.08	10.28	9.59	8.79	8.15	7.78
225.0	8.63	7.73	7.19	6.87	6.18	5.97	5.54	5.17	4.80
270.0	6.98	6.50	6.13	5.76	5.44	5.12	4.85	4.69	4.32
315.0	5.44	5.17	4.80	4.53	4.32	4.16	4.00	3.84	3.73
360.0	8.10	7.25	6.71	6.18	5.70	5.33	4.90	4.64	4.32
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.00	3.73	3.57	3.30	3.14	2.88	2.72	2.56	2.40
45.0	4.37	4.10	3.89	3.62	3.41	3.25	3.14	2.93	2.72
90.0	3.62	3.36	3.09	2.93	2.72	2.61	2.29	2.13	1.97
135.0	5.22	4.96	4.64	4.42	4.21	3.94	3.68	3.36	3.09
180.0	7.03	6.66	6.13	5.60	5.17	4.69	4.32	3.89	3.41
225.0	4.32	4.00	3.73	3.46	3.09	2.93	2.72	2.45	2.29
270.0	4.10	3.89	3.52	3.41	3.09	2.82	2.66	2.40	2.18
315.0	3.68	3.52	3.41	3.36	3.30	3.09	3.04	2.88	2.77
360.0	4.00	3.73	3.57	3.30	3.14	2.88	2.72	2.56	2.40
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.24	2.03	1.87	1.81	1.71	1.55	1.44	1.39	1.33
45.0	2.61	2.56	2.45	2.34	2.29	2.29	2.29	2.24	2.18
90.0	1.76	1.71	1.55	1.44	1.39	1.28	1.12	1.07	1.01
135.0	2.82	2.50	2.24	2.03	1.92	1.76	1.60	1.49	1.44
180.0	3.04	2.72	2.40	2.08	1.81	1.71	1.55	1.39	1.23
225.0	2.13	2.03	1.87	1.81	1.76	1.65	1.65	1.49	1.49
270.0	2.03	1.87	1.76	1.60	1.55	1.49	1.39	1.28	1.28
315.0	2.61	2.40	2.34	2.24	2.08	1.97	1.87	1.81	1.71
360.0	2.24	2.03	1.87	1.81	1.71	1.55	1.44	1.39	1.33
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.23	1.17	1.12	1.07	0.96	0.96	0.85	0.80	0.75
45.0	2.13	2.03	1.87	1.60	1.39	1.07	0.91	0.69	0.64
90.0	0.91	0.85	0.80	0.80	0.75	0.69	0.64	0.59	0.53
135.0	1.33	1.23	1.17	1.12	1.01	0.91	0.80	0.75	0.80
180.0	1.17	1.12	1.01	0.96	0.91	0.80	0.75	0.64	0.64
225.0	1.39	1.23	1.12	1.01	0.91	0.75	0.69	0.59	0.48
270.0	1.17	1.12	1.07	0.96	0.91	0.85	0.80	0.69	0.59
315.0	1.60	1.60	1.49	1.44	1.39	1.33	1.17	0.96	0.96
360.0	1.23	1.17	1.12	1.07	0.96	0.96	0.85	0.80	0.75

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.69
45.0	0.64
90.0	0.48
135.0	0.53
180.0	0.53
225.0	0.43
270.0	0.59
315.0	0.91
360.0	0.69