



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

NT

Client: NT

LumCAT: 4-2758-A

Luminaire: 92.70.455.00 LED HOLDER

Report No: 20250408-B003

Ballast type: AC

Test No: 20250410-C003

Voltage(V): 35.470

LampCAT: BRIDGELUX V18

Current(A): 0.895

Lamp flux(lm): 4458.7

Power (W): 31.740

Number of Lamps: 1

PF: 0.000

Length(mm): 111

Width(mm): 111

Phm Type: C

Height(mm): 60

Photometric Results

Lumens(lm): 3884.44, Efficiency(%): 87.12% , Luminous Efficacy(lm/W): 122.38

Central intensity(cd): 8481.264, Maximum intensity(cd): 8544.679

Angle of maximum intensity: C=315.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=34.2

[C90/270]Total=34.2

Field angle(10%Imax): [C0/180]Total=76.0

[C90/270]Total=76.0

Maximum s/h(1/2): C0_180=0.57 C90_270=0.49

Maximum s/h(1/4): C0_180=0.59 C90_270=0.52

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 87.07%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.998%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/4/10
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	8466.742	0.000	0	0.00%	0.00%
1.0	8450.022	8.094	8.094	0.18%	0.21%
2.0	8391.336	24.172	32.267	0.54%	0.83%
3.0	8294.748	39.908	72.174	0.90%	1.86%
4.0	8186.503	55.168	127.342	1.24%	3.28%
5.0	8018.173	69.712	197.054	1.56%	5.07%
6.0	7809.743	83.180	280.234	1.87%	7.21%
7.0	7600.913	95.654	375.888	2.15%	9.68%
8.0	7343.588	106.955	482.843	2.40%	12.43%
9.0	7057.621	116.714	599.556	2.62%	15.43%
10.0	6747.473	124.931	724.488	2.80%	18.65%
11.0	6416.476	131.535	856.022	2.95%	22.04%
12.0	6073.022	136.528	992.551	3.06%	25.55%
13.0	5722.040	139.978	1132.528	3.14%	29.16%
14.0	5365.863	141.924	1274.452	3.18%	32.81%
15.0	5007.621	142.412	1416.864	3.19%	36.48%
16.0	4664.967	141.730	1558.595	3.18%	40.12%
17.0	4287.607	139.416	1698.01	3.13%	43.71%
18.0	3945.751	135.750	1833.761	3.04%	47.21%
19.0	3641.599	132.004	1965.765	2.96%	50.61%
20.0	3324.790	127.504	2093.269	2.86%	53.89%
21.0	3027.765	121.982	2215.251	2.74%	57.03%
22.0	2775.570	116.620	2331.872	2.62%	60.03%
23.0	2511.518	110.937	2442.809	2.49%	62.89%
24.0	2288.566	104.947	2547.756	2.35%	65.59%
25.0	2100.918	99.807	2647.563	2.24%	68.16%
26.0	1907.609	94.622	2742.185	2.12%	70.59%
27.0	1765.591	89.866	2832.051	2.02%	72.91%
28.0	1637.562	86.161	2918.211	1.93%	75.13%
29.0	1533.380	82.961	3001.172	1.86%	77.26%
30.0	1450.381	80.561	3081.733	1.81%	79.34%
31.0	1385.034	78.905	3160.638	1.77%	81.37%
32.0	1332.676	77.859	3238.498	1.75%	83.37%
33.0	1266.417	76.570	3315.068	1.72%	85.34%
34.0	1228.714	75.510	3390.578	1.69%	87.29%
35.0	1146.981	73.780	3464.358	1.65%	89.19%
36.0	1053.843	70.075	3534.433	1.57%	90.99%
37.0	956.889	65.579	3600.012	1.47%	92.68%

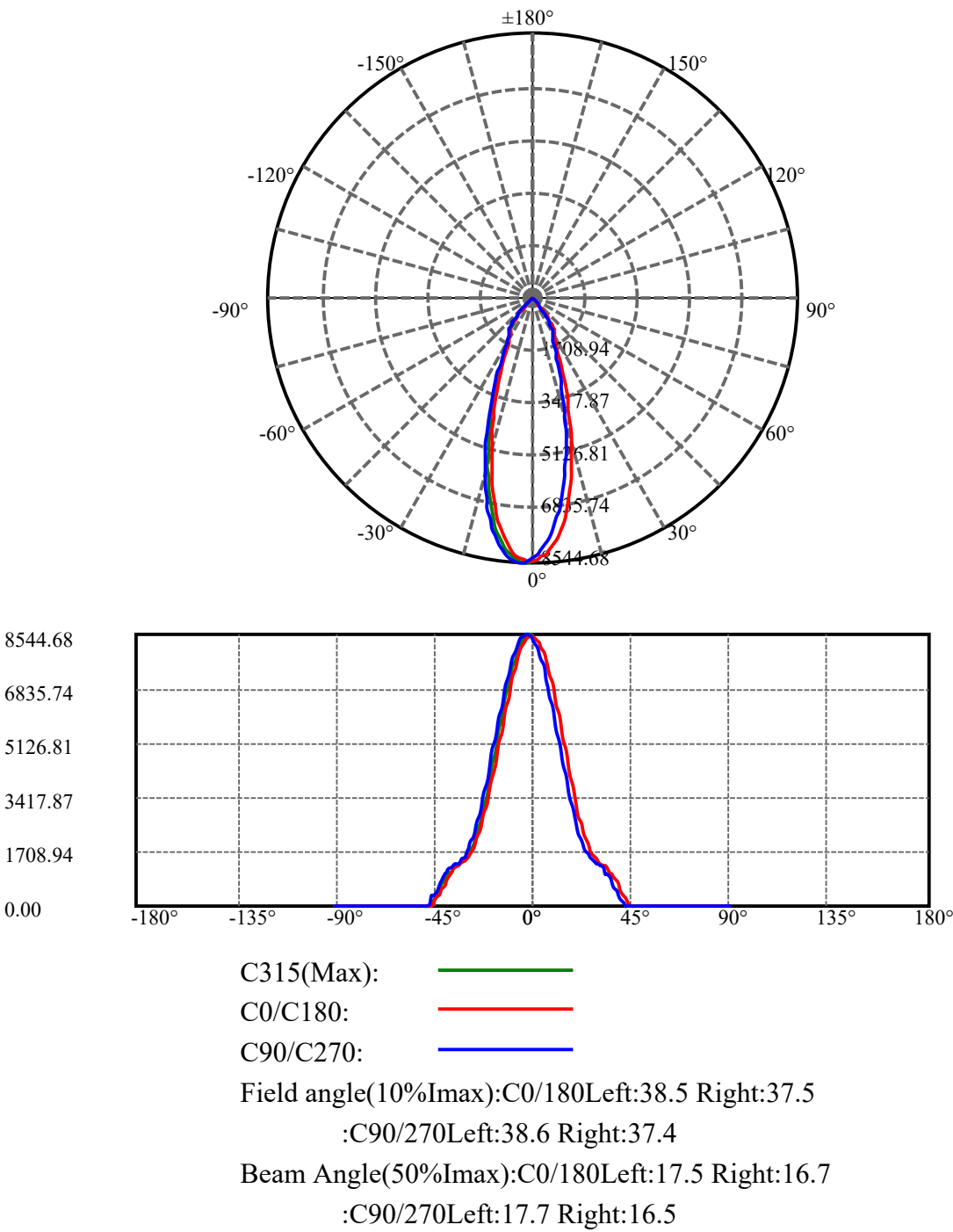
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	849.796	60.305	3660.316	1.35%	94.23%
39.0	729.540	53.907	3714.223	1.21%	95.62%
40.0	592.318	46.102	3760.325	1.03%	96.80%
41.0	443.359	36.880	3797.205	0.83%	97.75%
42.0	345.979	28.678	3825.883	0.64%	98.49%
43.0	242.589	21.802	3847.685	0.49%	99.05%
44.0	146.421	14.682	3862.368	0.33%	99.43%
45.0	71.295	8.367	3870.735	0.19%	99.65%
46.0	52.131	4.827	3875.562	0.11%	99.77%
47.0	12.143	2.556	3878.118	0.06%	99.84%
48.0	6.095	0.737	3878.855	0.02%	99.86%
49.0	4.656	0.442	3879.297	0.01%	99.87%
50.0	3.877	0.356	3879.653	0.01%	99.88%
51.0	3.477	0.311	3879.964	0.01%	99.88%
52.0	3.224	0.288	3880.251	0.01%	99.89%
53.0	2.991	0.270	3880.522	0.01%	99.90%
54.0	2.791	0.255	3880.777	0.01%	99.91%
55.0	2.605	0.241	3881.017	0.01%	99.91%
56.0	2.411	0.227	3881.244	0.01%	99.92%
57.0	2.271	0.214	3881.458	0.00%	99.92%
58.0	2.132	0.204	3881.662	0.00%	99.93%
59.0	1.985	0.192	3881.854	0.00%	99.93%
60.0	1.845	0.181	3882.035	0.00%	99.94%
61.0	1.745	0.171	3882.207	0.00%	99.94%
62.0	1.619	0.162	3882.369	0.00%	99.95%
63.0	1.499	0.152	3882.52	0.00%	99.95%
64.0	1.426	0.143	3882.664	0.00%	99.95%
65.0	1.292	0.135	3882.798	0.00%	99.96%
66.0	1.192	0.124	3882.922	0.00%	99.96%
67.0	1.146	0.118	3883.04	0.00%	99.96%
68.0	1.052	0.111	3883.151	0.00%	99.97%
69.0	0.966	0.103	3883.254	0.00%	99.97%
70.0	0.893	0.095	3883.35	0.00%	99.97%
71.0	0.826	0.089	3883.438	0.00%	99.97%
72.0	0.766	0.083	3883.521	0.00%	99.98%
73.0	0.713	0.077	3883.598	0.00%	99.98%
74.0	0.653	0.072	3883.67	0.00%	99.98%
75.0	0.613	0.067	3883.737	0.00%	99.98%

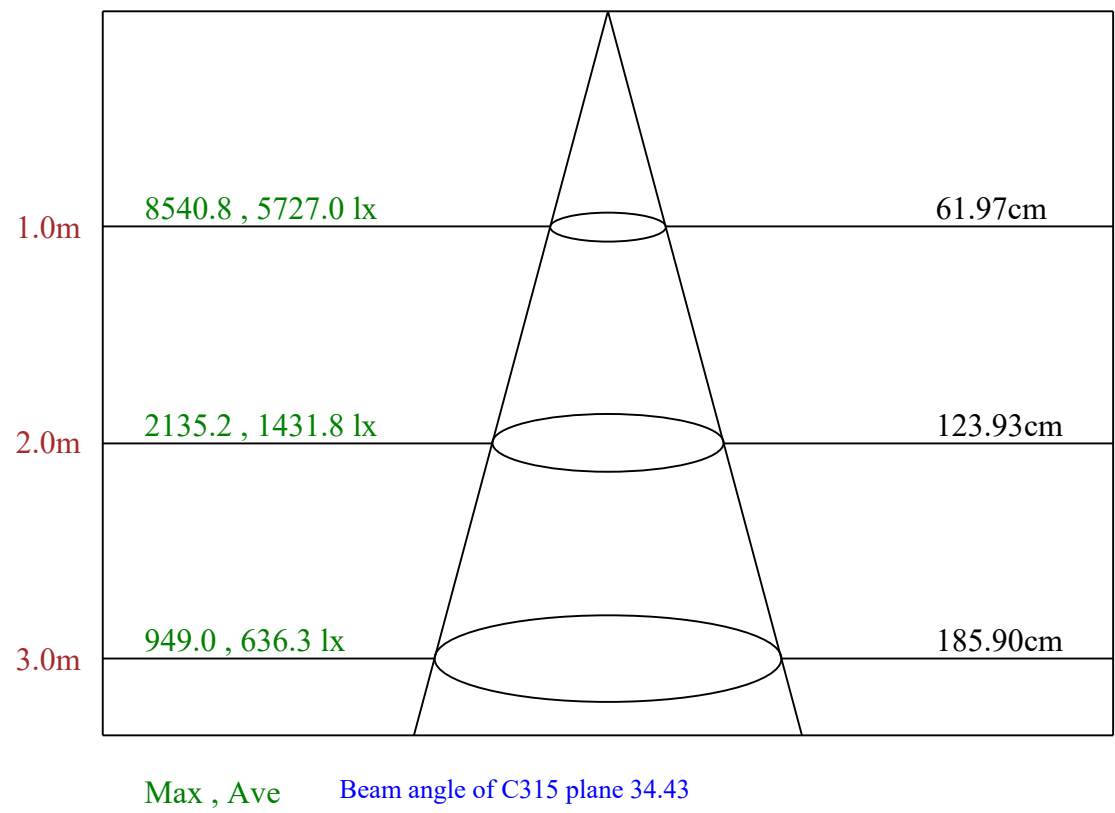
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.560	0.062	3883.799	0.00%	99.98%
77.0	0.520	0.058	3883.857	0.00%	99.98%
78.0	0.506	0.055	3883.912	0.00%	99.99%
79.0	0.480	0.053	3883.965	0.00%	99.99%
80.0	0.446	0.050	3884.015	0.00%	99.99%
81.0	0.453	0.049	3884.063	0.00%	99.99%
82.0	0.433	0.048	3884.111	0.00%	99.99%
83.0	0.393	0.045	3884.156	0.00%	99.99%
84.0	0.393	0.043	3884.199	0.00%	99.99%
85.0	0.386	0.043	3884.242	0.00%	99.99%
86.0	0.360	0.041	3884.282	0.00%	100.00%
87.0	0.346	0.039	3884.321	0.00%	100.00%
88.0	0.353	0.038	3884.359	0.00%	100.00%
89.0	0.393	0.041	3884.4	0.00%	100.00%
90.0	0.406	0.044	3884.444	0.00%	100.00%

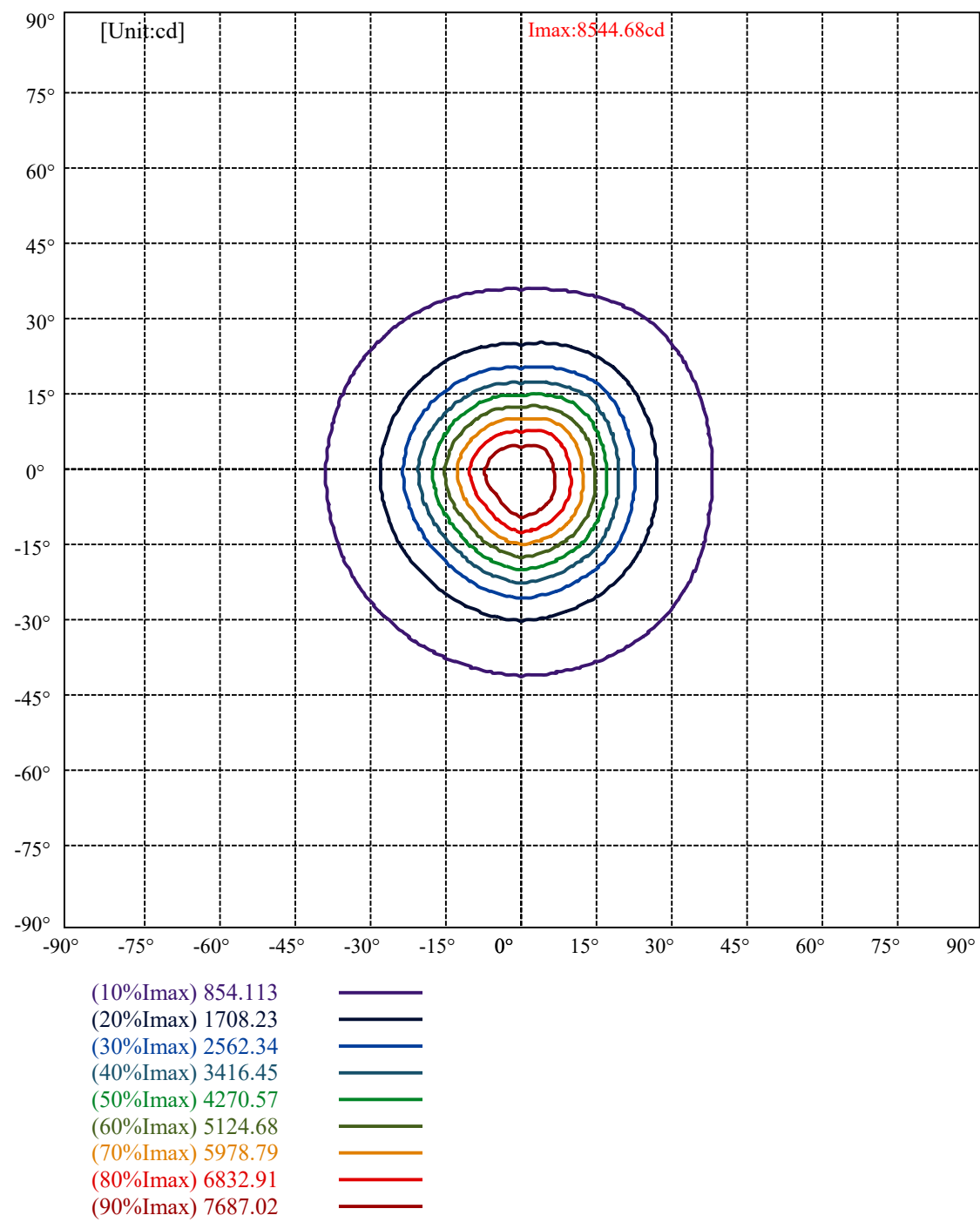
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3081.73	69.12%	79.34%
0-40	3760.33	84.34%	96.80%
0-60	3882.04	87.07%	99.94%
0-90	3884.40	87.12%	100.00%
0-120	3884.40	87.12%	100.00%
0-180	3884.44	87.12%	100.00%
60-90	2.37	0.05%	0.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-30.33	3107.56	69.70%	80.00%

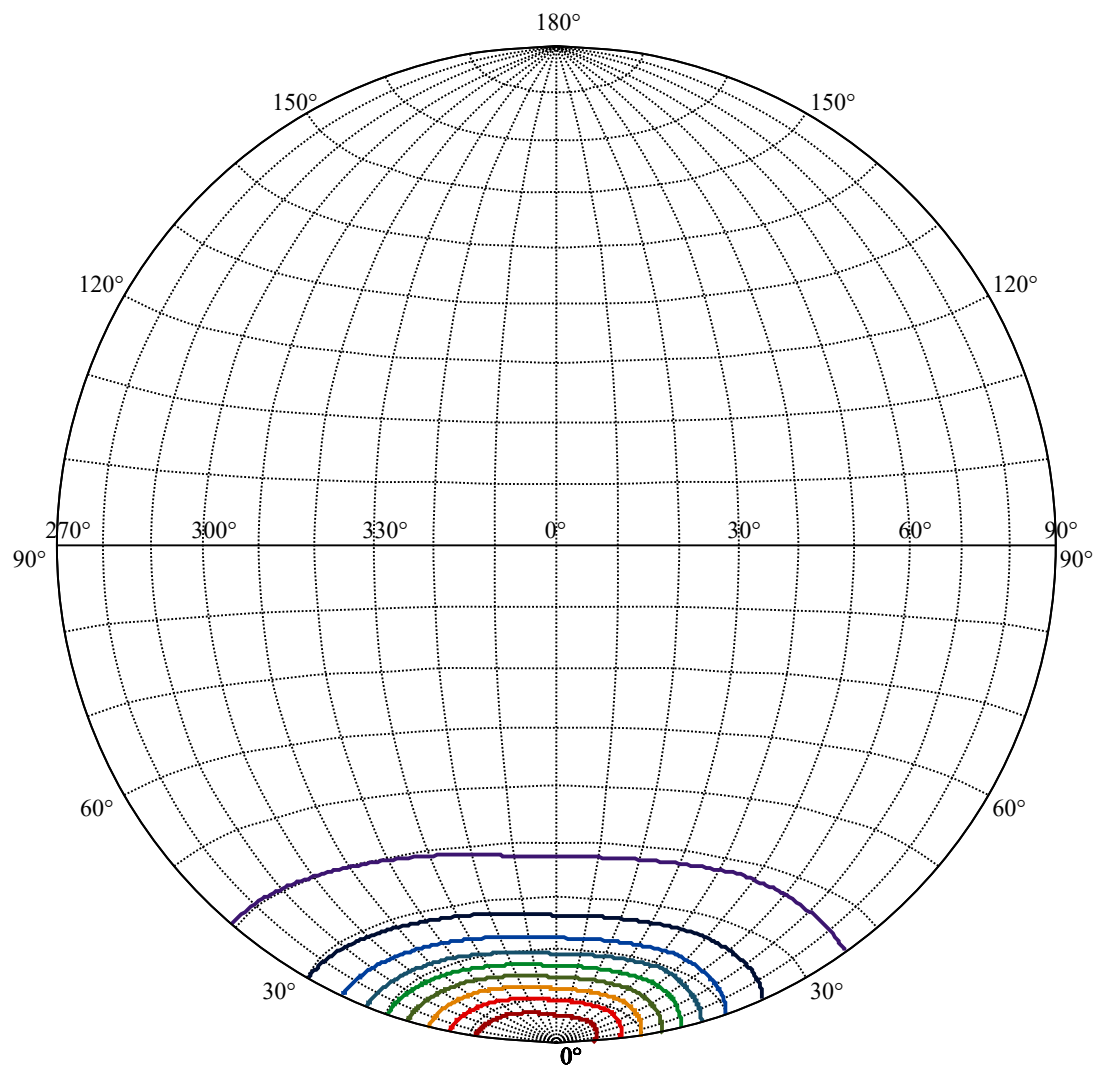
ZONAL LUMEN SUMMARY

0-10	724.49
10-20	1368.78
20-30	988.46
30-40	678.59
40-50	119.33
50-60	2.38
60-70	1.31
70-80	0.67
80-90	0.39
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







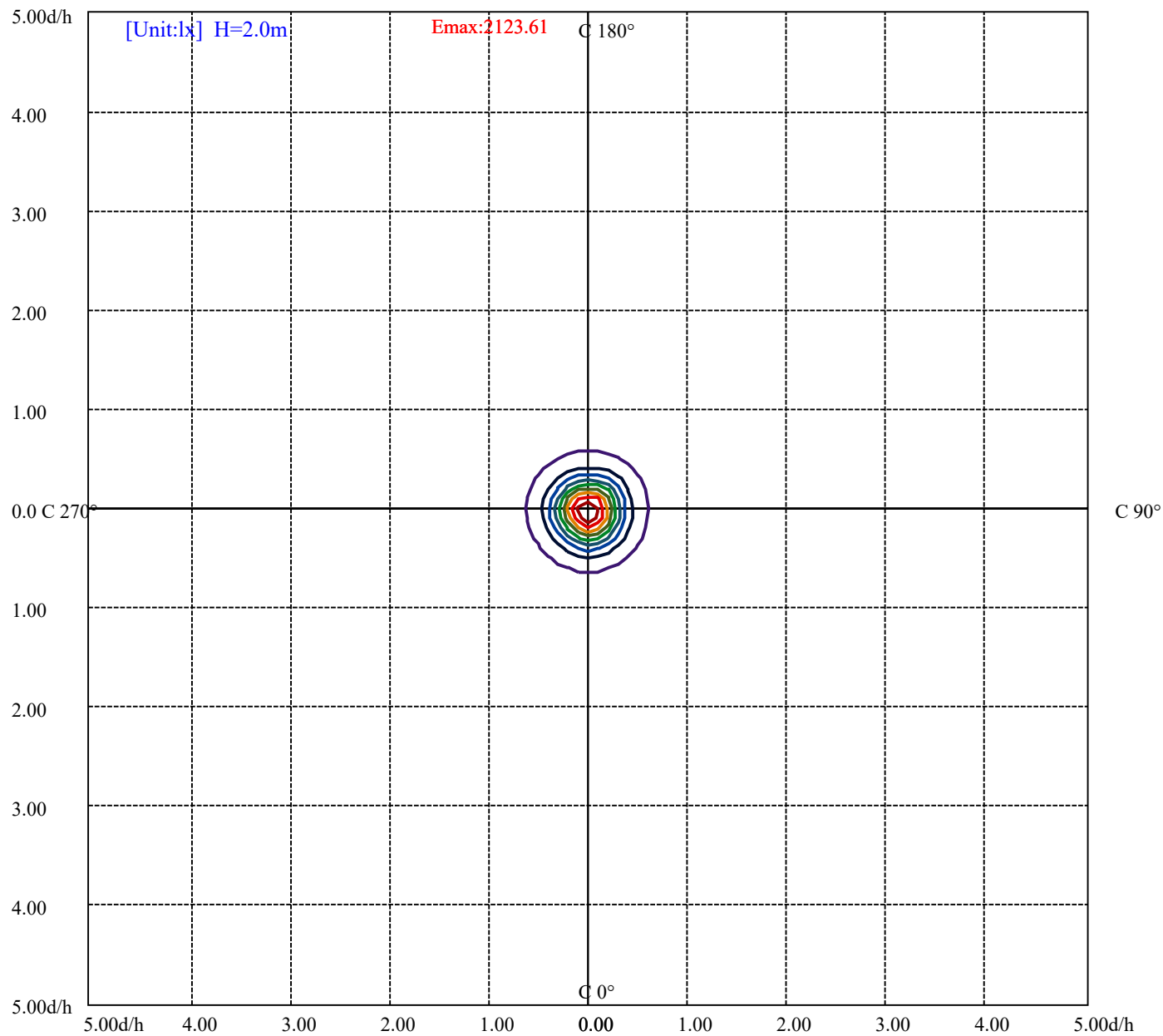


House

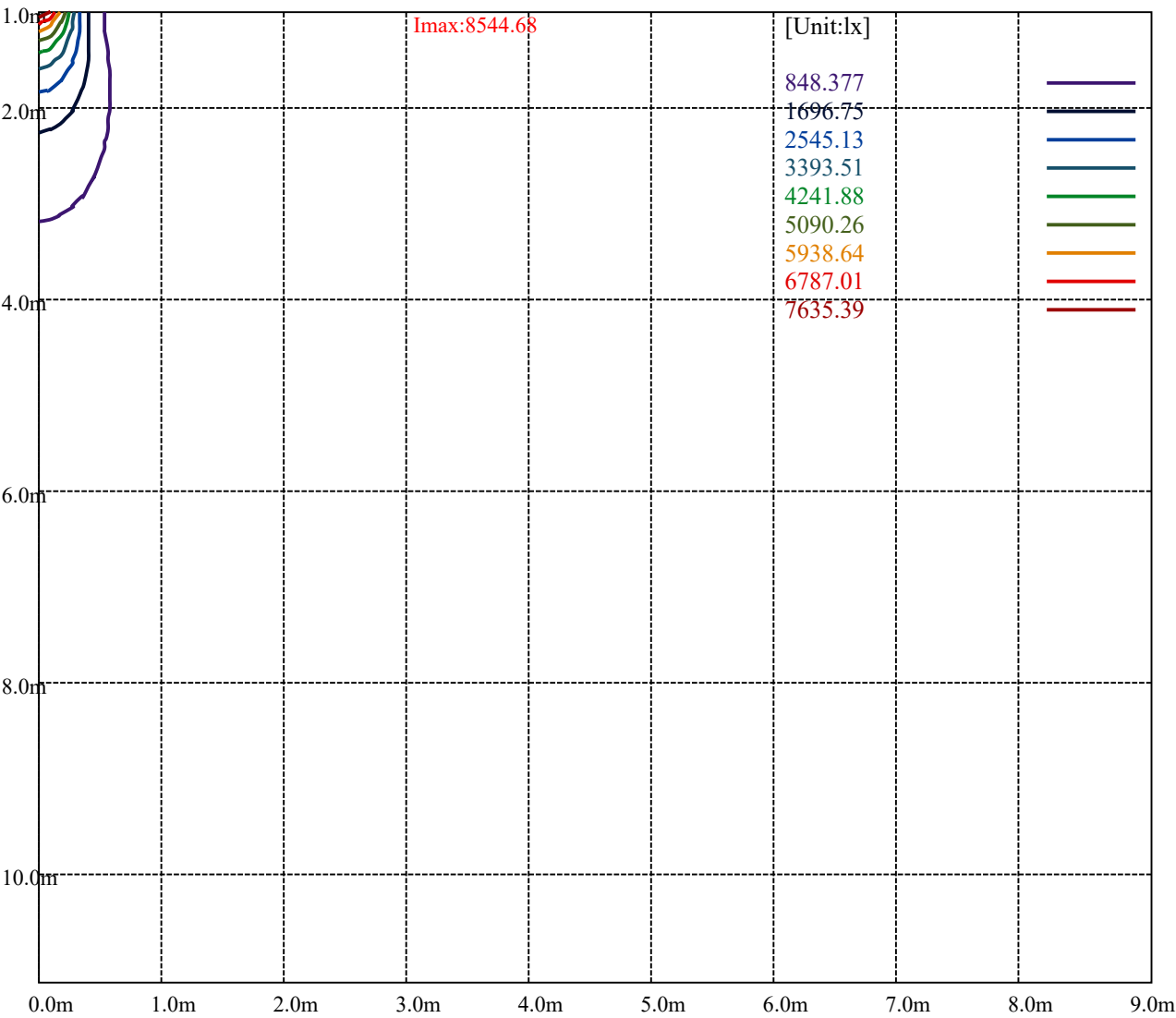
[Unit:cd]

Road

Imax:8544.68	
(10%Imax) 854.239	
(20%Imax) 1708.48	
(30%Imax) 2562.72	
(40%Imax) 3416.96	
(50%Imax) 4271.19	
(60%Imax) 5125.43	
(70%Imax) 5979.67	
(80%Imax) 6833.91	
(90%Imax) 7688.15	



(10%Emax) 212.3602	—
(20%Emax) 424.72	—
(30%Emax) 637.08	—
(40%Emax) 849.44	—
(50%Emax) 1061.802	—
(60%Emax) 1274.162	—
(70%Emax) 1486.522	—
(80%Emax) 1698.882	—
(90%Emax) 1911.243	—



Luminance Limiting Curve(no luminous side)

Luminance Table

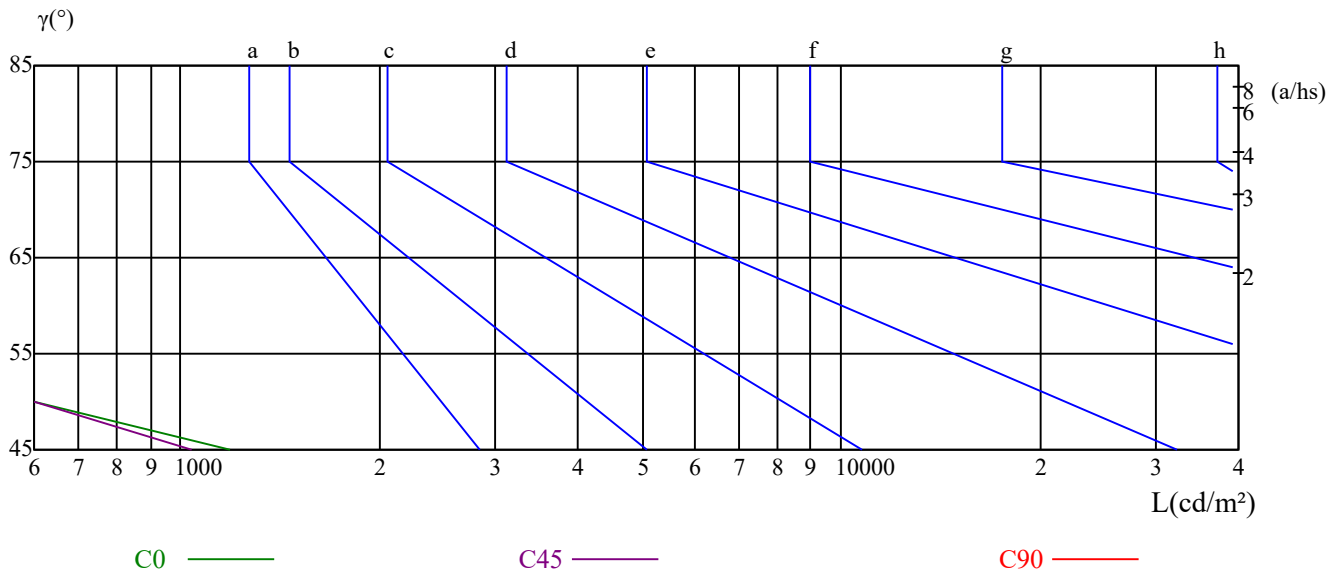
γ	45	50	55	60	65	70	75	80	85
C0	1191	409	0	0	0	0	0	55	55
C45	1040	352	360	0	0	0	0	42	41
C90	397	409	0	0	0	0	0	0	0

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	199	0	99

Glare Table

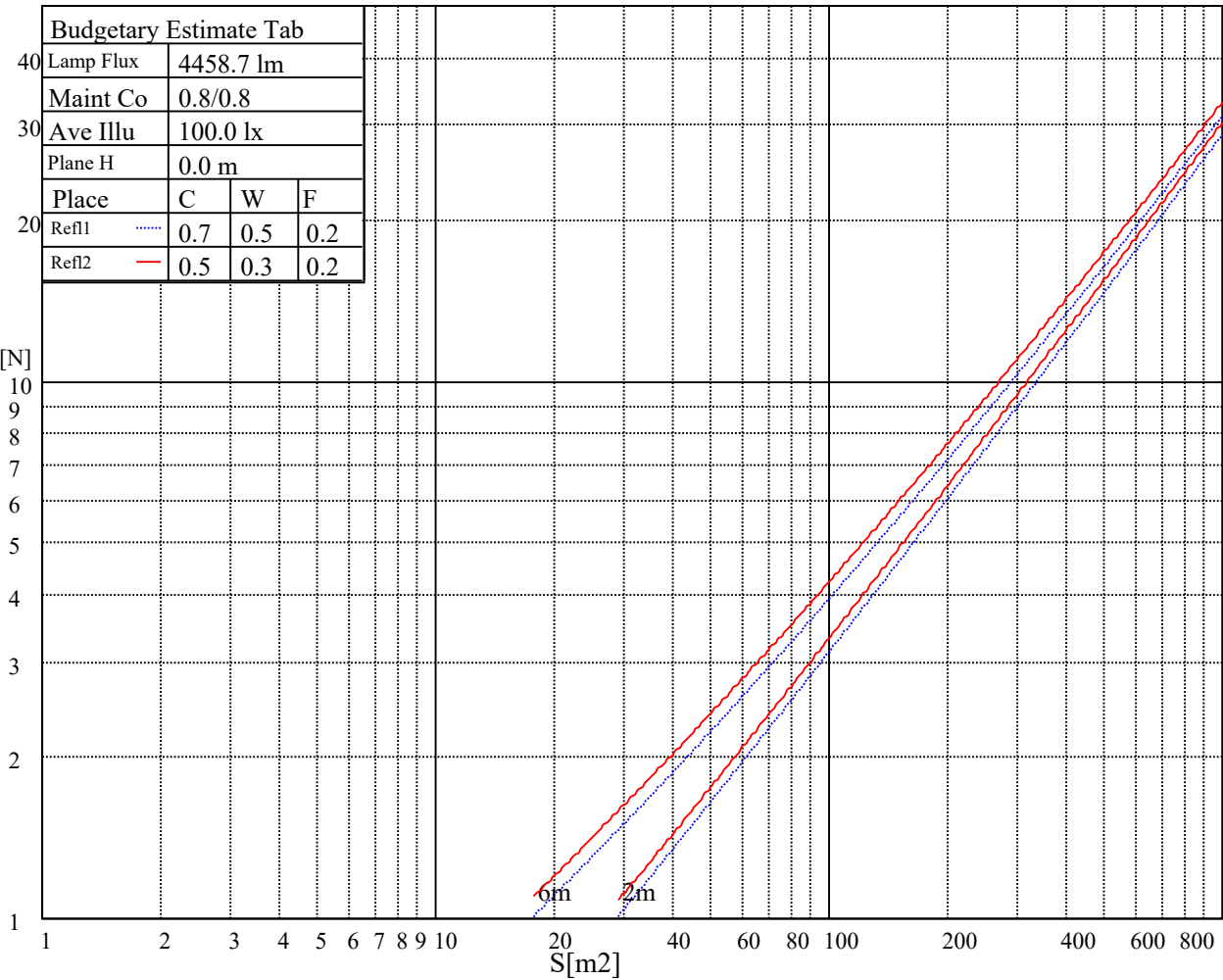
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

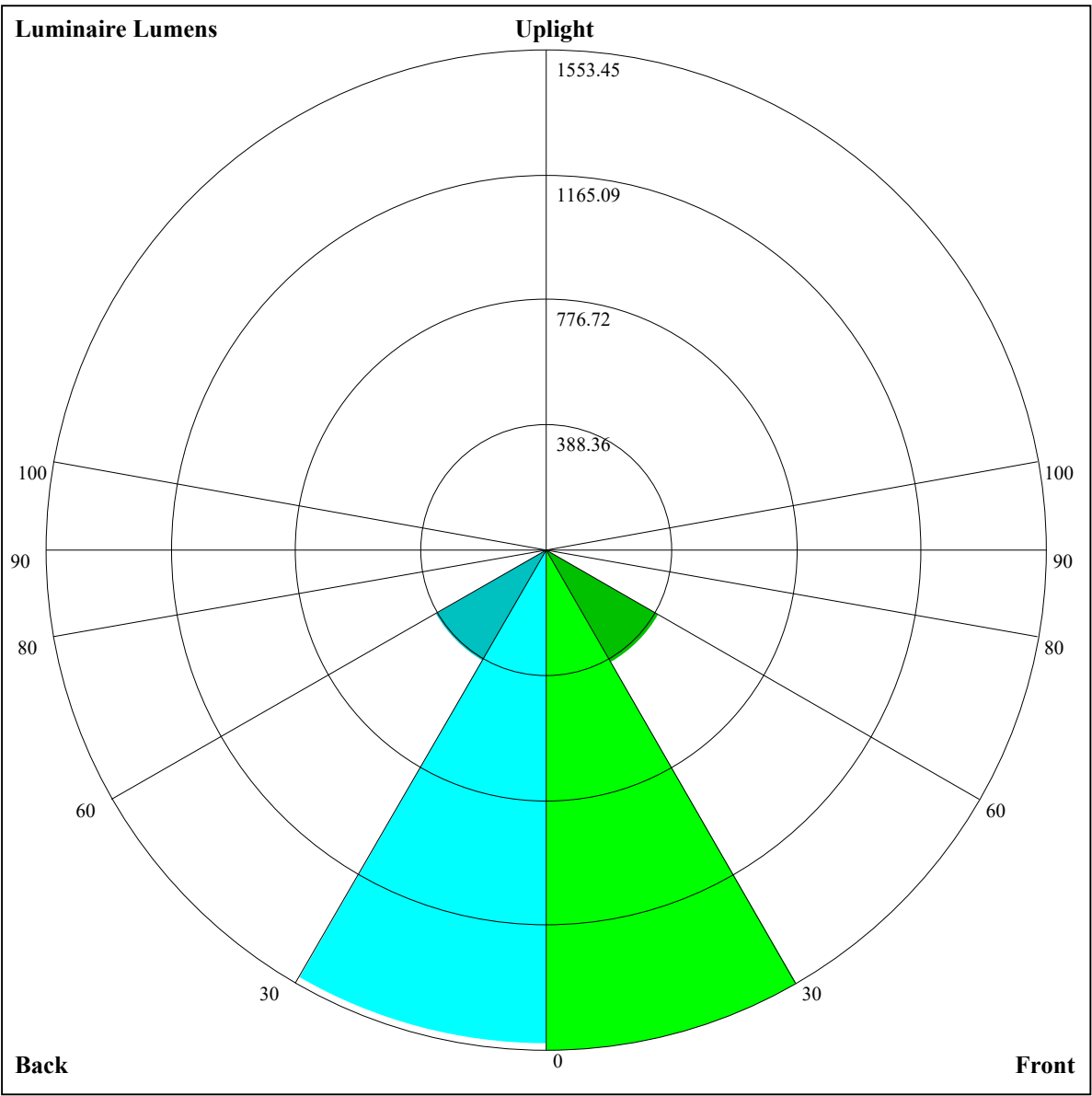


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.52	17.44	16.88	17.75	18.07	15.67	16.59	16.04	16.90	17.22
	3H	16.30	17.12	16.69	17.45	17.80	15.45	16.27	15.84	16.60	16.95
	4H	16.19	16.94	16.60	17.30	17.67	15.34	16.10	15.75	16.45	16.82
	6H	16.10	16.78	16.52	17.16	17.56	15.25	15.93	15.67	16.31	16.71
	8H	16.02	16.67	16.44	17.06	17.47	15.17	15.82	15.59	16.21	16.62
	12H	15.95	16.56	16.37	16.96	17.38	15.10	15.71	15.52	16.11	16.53
4H	2H	16.19	16.94	16.60	17.30	17.67	15.34	16.09	15.75	16.45	16.82
	3H	15.93	16.56	16.36	16.96	17.38	15.08	15.71	15.51	16.11	16.53
	4H	15.85	16.39	16.29	16.81	17.26	15.00	15.54	15.44	15.96	16.41
	6H	15.70	16.17	16.17	16.63	17.08	14.85	15.32	15.32	15.78	16.23
	8H	15.64	16.07	16.12	16.53	17.01	14.79	15.22	15.27	15.68	16.16
	12H	15.58	15.98	16.07	16.44	16.96	14.73	15.13	15.22	15.59	16.11
8H	4H	15.64	16.07	16.12	16.53	17.01	14.79	15.22	15.27	15.68	16.16
	6H	15.47	15.83	15.98	16.31	16.82	14.62	14.98	15.13	15.46	15.97
	8H	15.45	15.75	15.99	16.27	16.77	14.60	14.90	15.14	15.42	15.92
	12H	15.39	15.62	15.94	16.13	16.66	14.54	14.77	15.09	15.28	15.81
12H	4H	15.58	15.98	16.07	16.44	16.96	14.73	15.13	15.22	15.59	16.11
	6H	15.45	15.75	15.99	16.27	16.77	14.60	14.90	15.14	15.42	15.92
	8H	15.39	15.62	15.94	16.13	16.66	14.54	14.77	15.09	15.28	15.81
Variation with the observer position at spacings:											
S = 1.0H		5.1/-27.2					4.9/-27.3				
S = 1.5H		7.9/-27.5					7.7/-27.6				
S = 2.0H		9.9/-27.5					9.7/-27.4				
Standard tables:		BK0					BK0				
Uncorrected UGR		-3.5					-2.7				

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	1.04	1.04	1.04	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.87
1	0.97	0.95	0.94	0.95	0.94	0.92	0.92	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83
2	0.91	0.88	0.86	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.82	0.81	0.79	0.78
3	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
4	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
6	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
7	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.59
8	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.58	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.54
10	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52



Luminaire Lumens:

FL=1553.45,FM=405.08,FH=0.99,FVH=0.21

BL=1533.26,BM=398.76,BH=0.98,BVH=0.21

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	8481.26	8421.05	8332.05	8263.84	8120.49	7948.90	7750.66	7525.77	7273.18
45.0	8493.52	8457.28	8375.22	8255.85	8107.17	7922.78	7705.89	7471.42	7200.17
90.0	8391.20	8262.24	8093.85	7892.94	7760.25	7511.39	7111.18	6924.13	6593.73
135.0	8500.98	8456.22	8354.97	8146.07	8027.77	7815.67	7567.87	7293.96	6985.95
180.0	8481.26	8482.86	8450.89	8383.21	8277.16	8130.08	7939.84	7729.34	7474.08
225.0	8493.52	8491.39	8450.89	8384.81	8270.77	8087.45	7933.44	7712.82	7454.90
270.0	8391.20	8484.46	8536.68	8539.35	8509.51	8435.97	8317.66	8177.51	7996.86
315.0	8500.98	8544.68	8536.15	8491.92	8418.91	8293.15	8151.40	7972.34	7769.84
360.0	8481.26	8421.05	8332.05	8263.84	8120.49	7948.90	7750.66	7525.77	7273.18

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6988.08	6672.07	6329.41	5976.10	5615.33	5255.09	4886.32	4512.22	4139.73
45.0	6898.02	6577.21	6233.49	5887.64	5527.93	5169.82	4814.91	4598.02	4086.44
90.0	6240.42	5881.78	5518.34	5162.90	4806.38	4445.61	4075.25	3723.00	3389.94
135.0	6645.96	6297.44	5947.32	5587.08	5233.24	4874.60	4513.82	4143.46	3783.22
180.0	7194.84	6879.90	6540.97	6188.19	5837.01	5481.57	5127.72	4772.28	4413.64
225.0	7168.20	6854.85	6517.53	6163.68	5814.10	5461.85	5115.47	4765.88	4407.78
270.0	7790.09	7547.62	7268.92	6964.63	6633.17	6287.31	5937.20	5581.22	5231.64
315.0	7535.37	7268.92	6975.82	6653.95	6309.16	5951.05	5590.28	5223.65	4848.48
360.0	6988.08	6672.07	6329.41	5976.10	5615.33	5255.09	4886.32	4512.22	4139.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3777.89	3436.30	3116.56	2830.39	2622.56	2339.59	2166.93	1972.96	1776.32
45.0	3736.32	3532.75	3213.01	2918.85	2653.47	2407.80	2183.45	1985.75	1812.02
90.0	3079.79	2796.82	2535.70	2300.16	2090.73	1904.21	1742.74	1659.61	1548.23
135.0	3441.10	3120.29	2944.43	2570.34	2423.79	2201.04	2004.40	1831.20	1683.59
180.0	4054.46	3843.43	3502.91	3183.17	2894.34	2632.15	2389.15	2171.19	1980.42
225.0	4056.06	3715.54	3390.47	3084.59	2914.59	2552.22	2318.81	2191.98	1926.06
270.0	4947.60	4586.83	4153.58	3871.15	3532.22	3215.68	2926.85	2658.80	2414.20
315.0	4472.79	4100.83	3741.65	3463.48	3072.86	2839.45	2576.20	2335.86	2120.04
360.0	3777.89	3436.30	3116.56	2830.39	2622.56	2339.59	2166.93	1972.96	1776.32

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1664.94	1553.03	1465.10	1396.36	1343.07	1299.37	1262.60	1227.96	1004.52
45.0	1666.54	1551.43	1461.90	1394.23	1341.47	1297.24	1261.53	1226.90	1157.62
90.0	1462.44	1396.36	1343.60	1300.44	1264.20	1231.16	1014.43	1014.43	904.28
135.0	1570.62	1481.62	1412.88	1359.59	1314.82	1276.99	1243.42	1181.07	1078.75
180.0	1814.15	1671.33	1560.49	1473.10	1406.48	1353.73	1309.50	1271.66	1236.49
225.0	1826.41	1683.06	1567.42	1477.89	1408.61	1353.73	1308.96	1270.59	1235.42
270.0	2191.44	1995.34	1824.28	1677.20	1559.43	1469.90	1401.15	1347.86	1304.17
315.0	1928.19	1768.32	1631.37	1524.25	1442.19	1379.31	1329.75	1289.24	1254.61
360.0	1664.94	1553.03	1465.10	1396.36	1343.07	1299.37	1262.60	1227.96	1004.52

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1004.52	920.80	777.23	690.96	486.32	343.72	261.87	141.70	52.06
45.0	1051.57	975.90	837.88	687.60	533.06	383.85	273.54	273.54	33.41
90.0	759.44	608.52	458.56	315.85	235.33	82.71	23.13	13.86	7.46
135.0	955.65	815.50	667.88	521.34	376.39	268.21	268.21	55.32	15.13
180.0	1159.75	1051.57	921.01	780.33	662.02	520.80	349.21	292.19	292.19
225.0	1012.46	1012.46	933.64	819.92	640.81	487.07	368.50	236.02	123.21
270.0	1267.40	1233.82	1165.61	1057.97	982.29	785.65	697.19	547.45	400.37
315.0	1219.97	1036.54	1036.54	962.36	822.32	674.86	526.19	380.65	247.53
360.0	1004.52	920.80	777.23	690.96	486.32	343.72	261.87	141.70	52.06

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	14.18	9.22	5.60	4.32	3.89	3.68	3.36	3.14	2.93
45.0	13.64	8.95	5.38	4.69	4.26	4.00	3.73	3.57	3.20
90.0	5.06	4.21	3.78	3.41	3.20	2.98	2.77	2.56	2.40
135.0	9.54	5.65	4.32	3.73	3.46	3.20	2.93	2.72	2.56
180.0	38.48	13.54	8.74	5.12	4.32	3.94	3.68	3.36	3.14
225.0	39.65	13.80	9.06	5.49	4.74	4.26	3.94	3.62	3.41
270.0	316.70	316.70	47.53	14.02	8.90	5.22	4.10	3.73	3.41
315.0	133.12	44.98	12.74	7.99	4.48	3.73	3.30	3.09	2.88
360.0	14.18	9.22	5.60	4.32	3.89	3.68	3.36	3.14	2.93
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.72	2.56	2.34	2.24	2.08	1.92	1.87	1.71	1.60
45.0	3.04	2.88	2.61	2.56	2.34	2.18	2.08	1.92	1.76
90.0	2.24	2.13	1.97	1.81	1.71	1.60	1.49	1.44	1.28
135.0	2.34	2.18	2.13	1.92	1.81	1.71	1.49	1.49	1.39
180.0	2.93	2.72	2.50	2.34	2.24	2.03	1.97	1.81	1.71
225.0	3.20	2.98	2.72	2.56	2.45	2.24	2.03	2.03	1.81
270.0	3.25	2.93	2.72	2.56	2.40	2.29	2.08	1.92	1.81
315.0	2.61	2.45	2.29	2.18	2.03	1.92	1.76	1.65	1.60
360.0	2.72	2.56	2.34	2.24	2.08	1.92	1.87	1.71	1.60
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.49	1.44	1.28	1.23	1.17	1.07	0.96	0.91	0.91
45.0	1.65	1.55	1.44	1.28	1.28	1.17	1.01	1.01	0.91
90.0	1.17	1.12	1.07	0.96	0.91	0.85	0.80	0.75	0.64
135.0	1.28	1.23	1.12	1.01	0.96	0.96	0.85	0.75	0.69
180.0	1.60	1.49	1.33	1.23	1.23	1.07	0.96	0.91	0.91
225.0	1.71	1.65	1.39	1.33	1.28	1.17	1.12	0.96	0.85
270.0	1.71	1.60	1.44	1.33	1.28	1.17	1.07	1.01	0.96
315.0	1.39	1.33	1.28	1.17	1.07	0.96	0.96	0.85	0.75
360.0	1.49	1.44	1.28	1.23	1.17	1.07	0.96	0.91	0.91
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.80	0.69	0.64	0.64	0.59	0.59	0.53	0.53	0.48
45.0	0.85	0.80	0.69	0.69	0.64	0.53	0.59	0.53	0.48
90.0	0.59	0.59	0.59	0.53	0.48	0.48	0.48	0.48	0.43
135.0	0.64	0.64	0.59	0.53	0.53	0.48	0.48	0.43	0.43
180.0	0.80	0.69	0.64	0.64	0.53	0.53	0.53	0.48	0.43
225.0	0.85	0.80	0.69	0.64	0.59	0.53	0.48	0.48	0.43
270.0	0.85	0.80	0.75	0.69	0.64	0.53	0.53	0.48	0.53
315.0	0.75	0.69	0.64	0.53	0.48	0.48	0.43	0.43	0.37
360.0	0.80	0.69	0.64	0.64	0.59	0.59	0.53	0.53	0.48
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.48	0.48	0.48	0.48	0.43	0.48	0.43	0.43	0.48
45.0	0.53	0.48	0.48	0.43	0.43	0.43	0.43	0.37	0.43
90.0	0.43	0.37	0.37	0.37	0.37	0.37	0.37	0.43	0.48
135.0	0.43	0.43	0.37	0.37	0.43	0.37	0.37	0.43	0.64
180.0	0.43	0.43	0.37	0.37	0.37	0.32	0.32	0.37	0.27
225.0	0.48	0.43	0.37	0.37	0.37	0.32	0.32	0.27	0.27
270.0	0.48	0.43	0.37	0.37	0.37	0.32	0.27	0.27	0.32
315.0	0.37	0.43	0.32	0.37	0.32	0.27	0.27	0.27	0.27
360.0	0.48	0.48	0.48	0.48	0.43	0.48	0.43	0.43	0.48

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.37
45.0	0.43
90.0	0.43
135.0	0.69
180.0	0.43
225.0	0.32
270.0	0.32
315.0	0.27
360.0	0.37