



NATA LIGHTING CO.,LED
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000 (10 lines) Fax:+86 0750-377 1111
Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 3-2962-LM

Luminaire: 92.70.411.00

Report No: 20250413-B010

Ballast type: AC

Test No: 20250413-C010

Voltage(V): 35.490

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.894

Lamp flux(lm): 3860.0

Power (W): 31.720

Number of Lamps: 1

PF: 0.000

Length(mm): 92

Width(mm): 92

Phm Type: C

Height(mm): 50

Photometric Results

Lumens(lm): 3747.40, Efficiency(%): 97.08% , Luminous Efficacy(lm/W): 118.14

Central intensity(cd): 10658.690, Maximum intensity(cd): 11042.380

Angle of maximum intensity: C=135.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=28.7

[C90/270]Total=26.8

Field angle(10%Imax): [C0/180]Total=71.2

[C90/270]Total=70.1

Maximum s/h(1/2): C0_180=0.49 C90_270=0.43

Maximum s/h(1/4): C0_180=0.49 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 97.02%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.870%

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	10731.434	0.000	0	0.00%	0.00%
1.0	10603.271	10.208	10.208	0.26%	0.27%
2.0	10560.906	30.377	40.585	0.79%	1.08%
3.0	10454.259	50.261	90.846	1.30%	2.42%
4.0	10287.461	69.429	160.276	1.80%	4.28%
5.0	10046.524	87.476	247.751	2.27%	6.61%
6.0	9738.708	103.977	351.728	2.69%	9.39%
7.0	9364.212	118.571	470.3	3.07%	12.55%
8.0	8869.281	130.494	600.793	3.38%	16.03%
9.0	8380.545	139.800	740.594	3.62%	19.76%
10.0	7779.101	146.239	886.832	3.79%	23.67%
11.0	7169.397	149.366	1036.199	3.87%	27.65%
12.0	6522.523	149.672	1185.871	3.88%	31.65%
13.0	5889.504	147.299	1333.17	3.82%	35.58%
14.0	5243.696	142.504	1475.674	3.69%	39.38%
15.0	4690.080	136.375	1612.05	3.53%	43.02%
16.0	4119.011	129.078	1741.128	3.34%	46.46%
17.0	3622.414	120.555	1861.682	3.12%	49.68%
18.0	3246.720	113.257	1974.939	2.93%	52.70%
19.0	2880.151	106.595	2081.535	2.76%	55.55%
20.0	2670.189	101.587	2183.121	2.63%	58.26%
21.0	2340.523	96.216	2279.337	2.49%	60.82%
22.0	2192.710	91.097	2370.434	2.36%	63.26%
23.0	1981.749	87.591	2458.026	2.27%	65.59%
24.0	1816.083	83.034	2541.06	2.15%	67.81%
25.0	1700.577	79.961	2621.021	2.07%	69.94%
26.0	1609.451	78.134	2699.155	2.02%	72.03%
27.0	1534.446	76.916	2776.071	1.99%	74.08%
28.0	1462.704	75.881	2851.952	1.97%	76.10%
29.0	1403.952	75.000	2926.952	1.94%	78.11%
30.0	1356.524	74.532	3001.484	1.93%	80.10%
31.0	1308.496	74.164	3075.648	1.92%	82.07%
32.0	1266.730	73.777	3149.425	1.91%	84.04%
33.0	1218.842	73.226	3222.651	1.90%	86.00%
34.0	1173.799	72.408	3295.059	1.88%	87.93%
35.0	1110.997	70.957	3366.017	1.84%	89.82%
36.0	1030.942	68.200	3434.216	1.77%	91.64%
37.0	918.060	63.566	3497.782	1.65%	93.34%

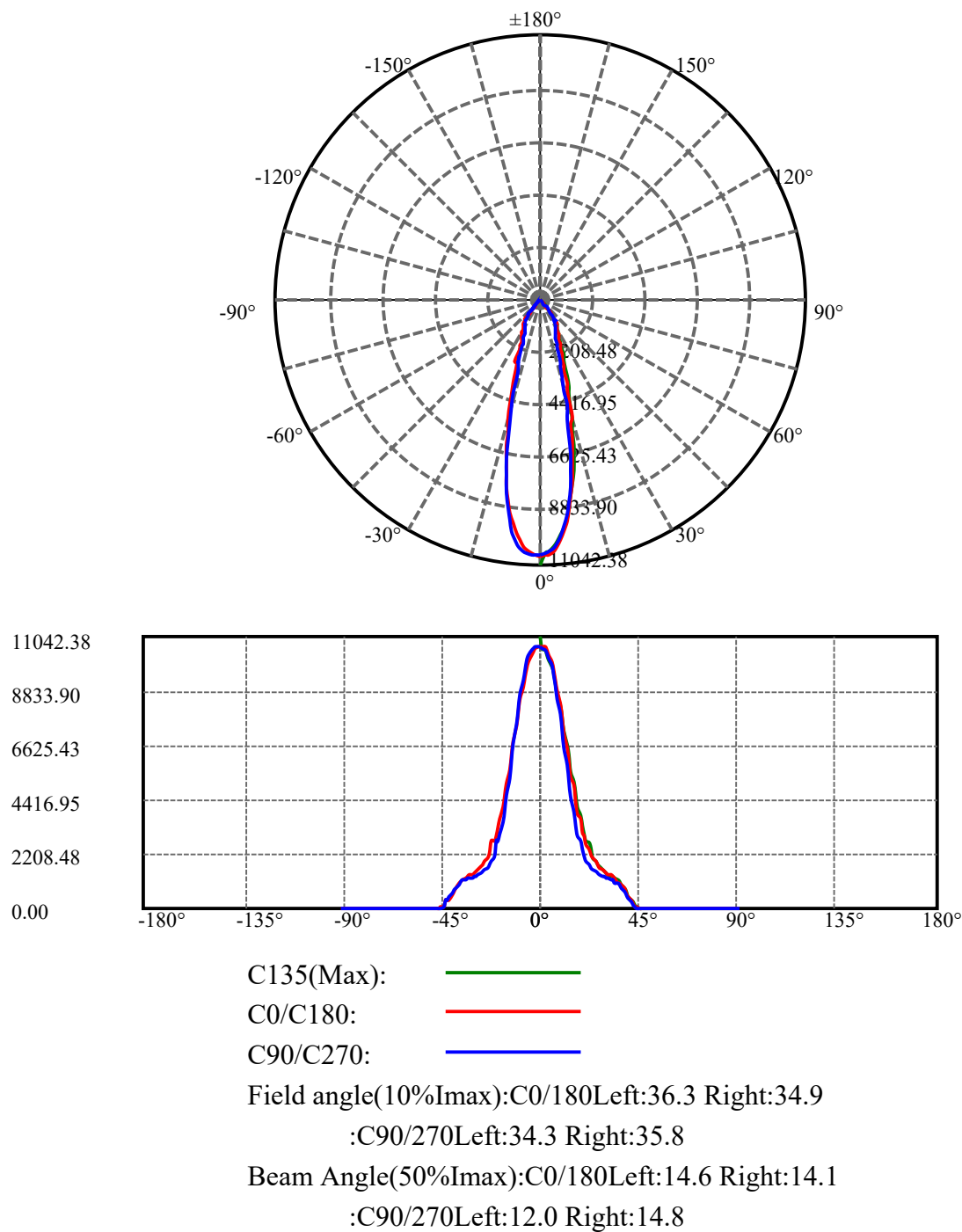
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	774.943	56.510	3554.292	1.46%	94.85%
39.0	650.105	48.641	3602.933	1.26%	96.14%
40.0	494.478	39.919	3642.852	1.03%	97.21%
41.0	351.214	30.115	3672.967	0.78%	98.01%
42.0	246.733	21.724	3694.691	0.56%	98.59%
43.0	184.017	15.956	3710.647	0.41%	99.02%
44.0	67.125	9.479	3720.126	0.25%	99.27%
45.0	32.593	3.832	3723.958	0.10%	99.37%
46.0	24.560	2.235	3726.194	0.06%	99.43%
47.0	20.004	1.772	3727.966	0.05%	99.48%
48.0	17.099	1.500	3729.466	0.04%	99.52%
49.0	14.575	1.301	3730.767	0.03%	99.56%
50.0	13.029	1.151	3731.918	0.03%	99.59%
51.0	11.737	1.048	3732.965	0.03%	99.61%
52.0	10.731	0.964	3733.929	0.02%	99.64%
53.0	9.912	0.898	3734.827	0.02%	99.66%
54.0	9.286	0.846	3735.674	0.02%	99.69%
55.0	8.713	0.803	3736.477	0.02%	99.71%
56.0	8.300	0.769	3737.246	0.02%	99.73%
57.0	7.860	0.739	3737.985	0.02%	99.75%
58.0	7.467	0.709	3738.693	0.02%	99.77%
59.0	7.148	0.683	3739.377	0.02%	99.79%
60.0	6.708	0.655	3740.031	0.02%	99.80%
61.0	6.275	0.620	3740.651	0.02%	99.82%
62.0	5.875	0.585	3741.236	0.02%	99.84%
63.0	5.436	0.550	3741.786	0.01%	99.85%
64.0	5.016	0.513	3742.299	0.01%	99.86%
65.0	4.523	0.472	3742.771	0.01%	99.88%
66.0	4.090	0.430	3743.201	0.01%	99.89%
67.0	3.610	0.387	3743.588	0.01%	99.90%
68.0	3.211	0.346	3743.934	0.01%	99.91%
69.0	2.824	0.308	3744.242	0.01%	99.92%
70.0	2.511	0.274	3744.516	0.01%	99.92%
71.0	2.258	0.247	3744.762	0.01%	99.93%
72.0	2.098	0.227	3744.989	0.01%	99.94%
73.0	1.945	0.211	3745.2	0.01%	99.94%
74.0	1.812	0.198	3745.398	0.01%	99.95%
75.0	1.725	0.187	3745.585	0.00%	99.95%

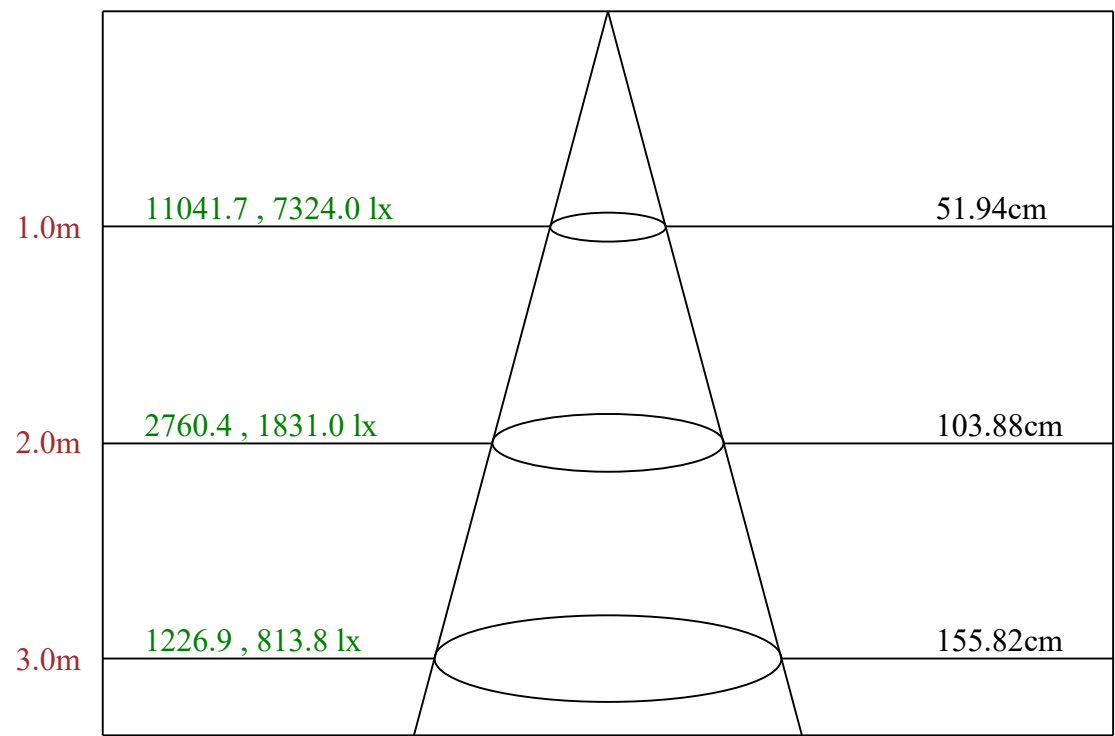
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.632	0.178	3745.763	0.00%	99.96%
77.0	1.545	0.169	3745.932	0.00%	99.96%
78.0	1.485	0.162	3746.094	0.00%	99.97%
79.0	1.359	0.153	3746.247	0.00%	99.97%
80.0	1.266	0.141	3746.389	0.00%	99.97%
81.0	1.232	0.135	3746.524	0.00%	99.98%
82.0	1.139	0.129	3746.652	0.00%	99.98%
83.0	1.079	0.121	3746.773	0.00%	99.98%
84.0	0.993	0.113	3746.886	0.00%	99.99%
85.0	0.946	0.106	3746.992	0.00%	99.99%
86.0	0.853	0.098	3747.09	0.00%	99.99%
87.0	0.779	0.089	3747.179	0.00%	99.99%
88.0	0.713	0.082	3747.261	0.00%	100.00%
89.0	0.639	0.074	3747.335	0.00%	100.00%
90.0	0.573	0.066	3747.402	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3001.48	77.76%	80.10%
0-40	3642.85	94.37%	97.21%
0-60	3740.03	96.89%	99.80%
0-90	3747.34	97.08%	100.00%
0-120	3747.34	97.08%	100.00%
0-180	3747.40	97.08%	100.00%
60-90	7.30	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%
0-29.95	2997.92	77.67%	80.00%

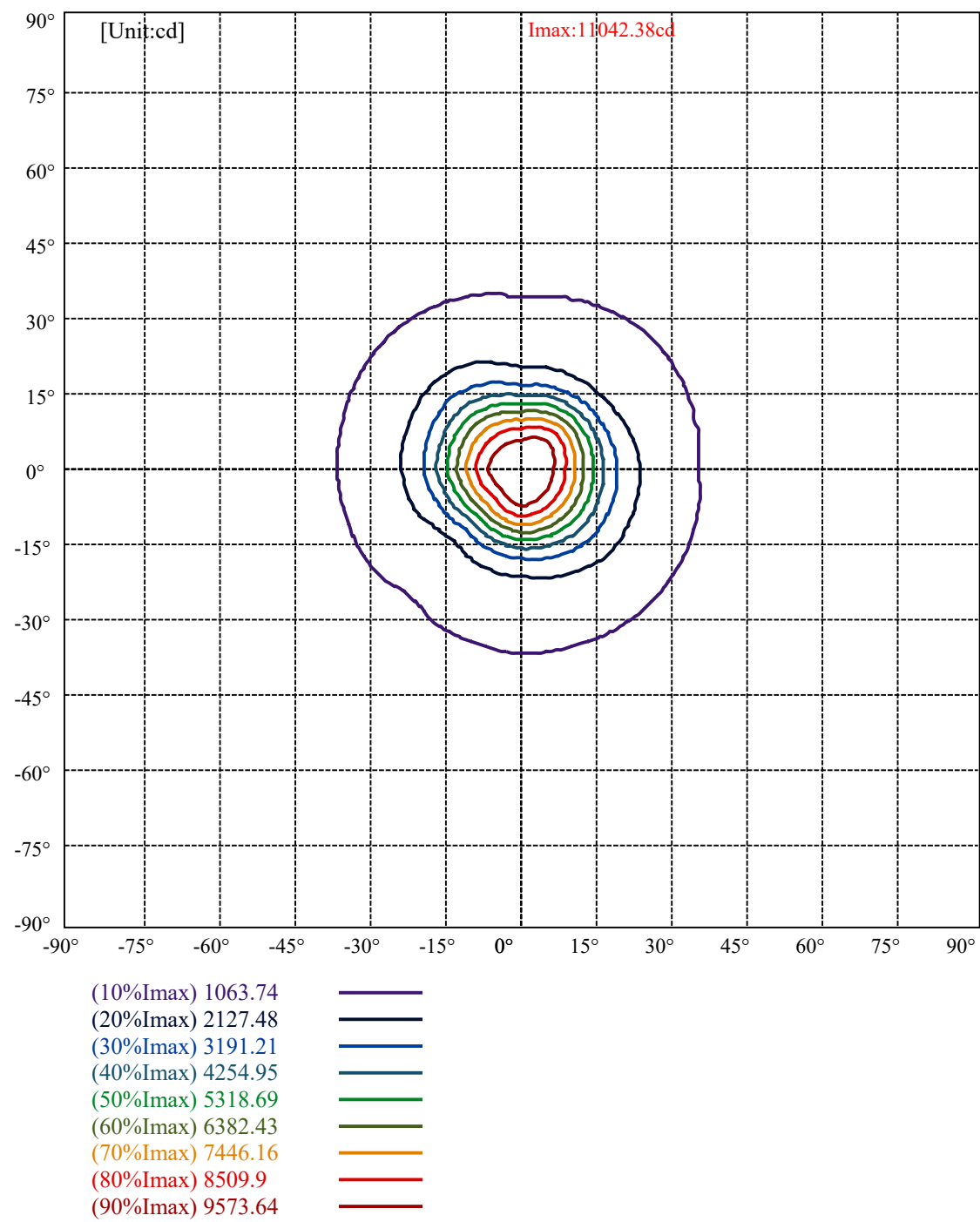
ZONAL LUMEN SUMMARY

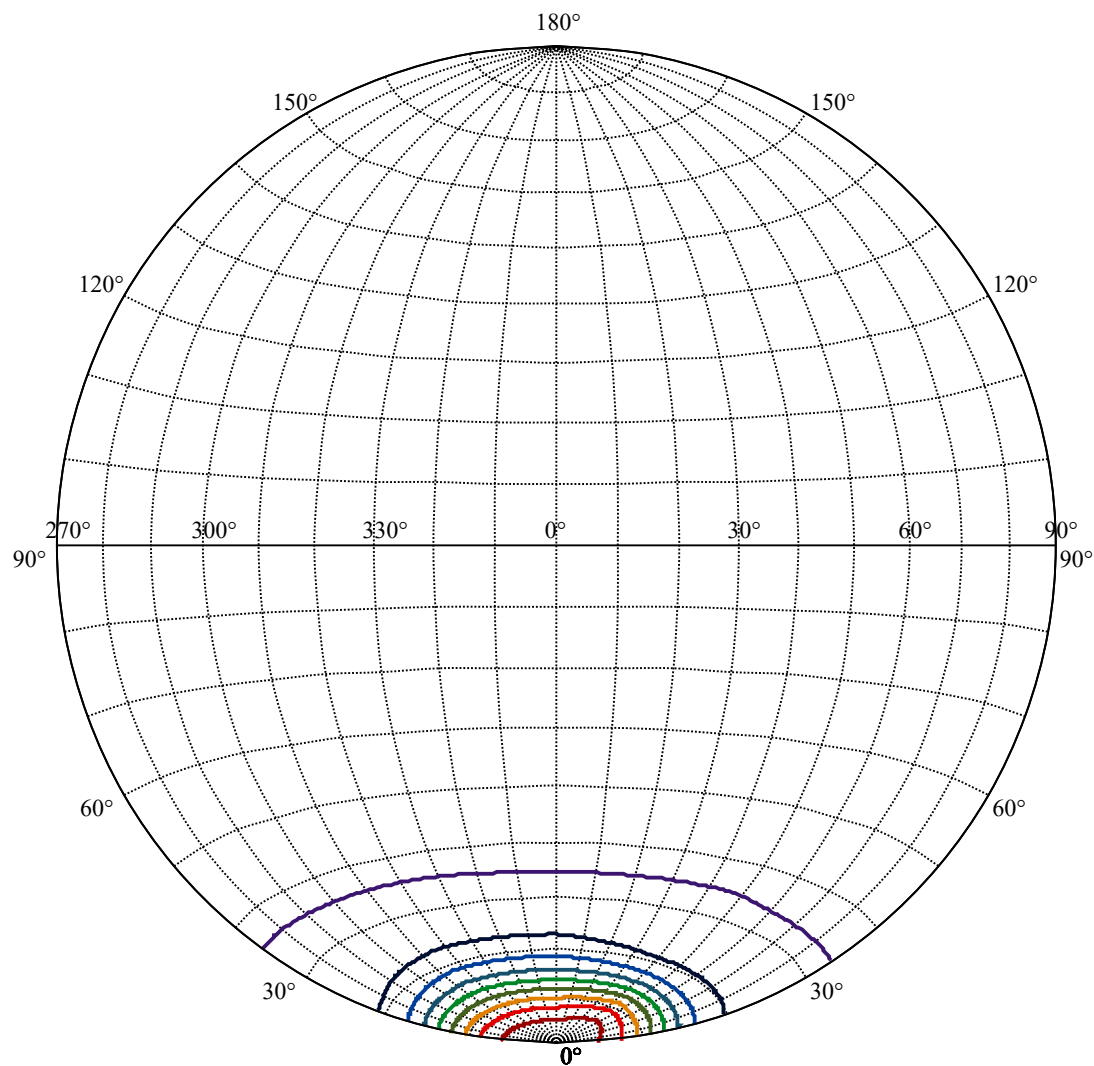
0-10	886.83
10-20	1296.29
20-30	818.36
30-40	641.37
40-50	89.07
50-60	8.11
60-70	4.48
70-80	1.87
80-90	0.95
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C135 plane 29.12





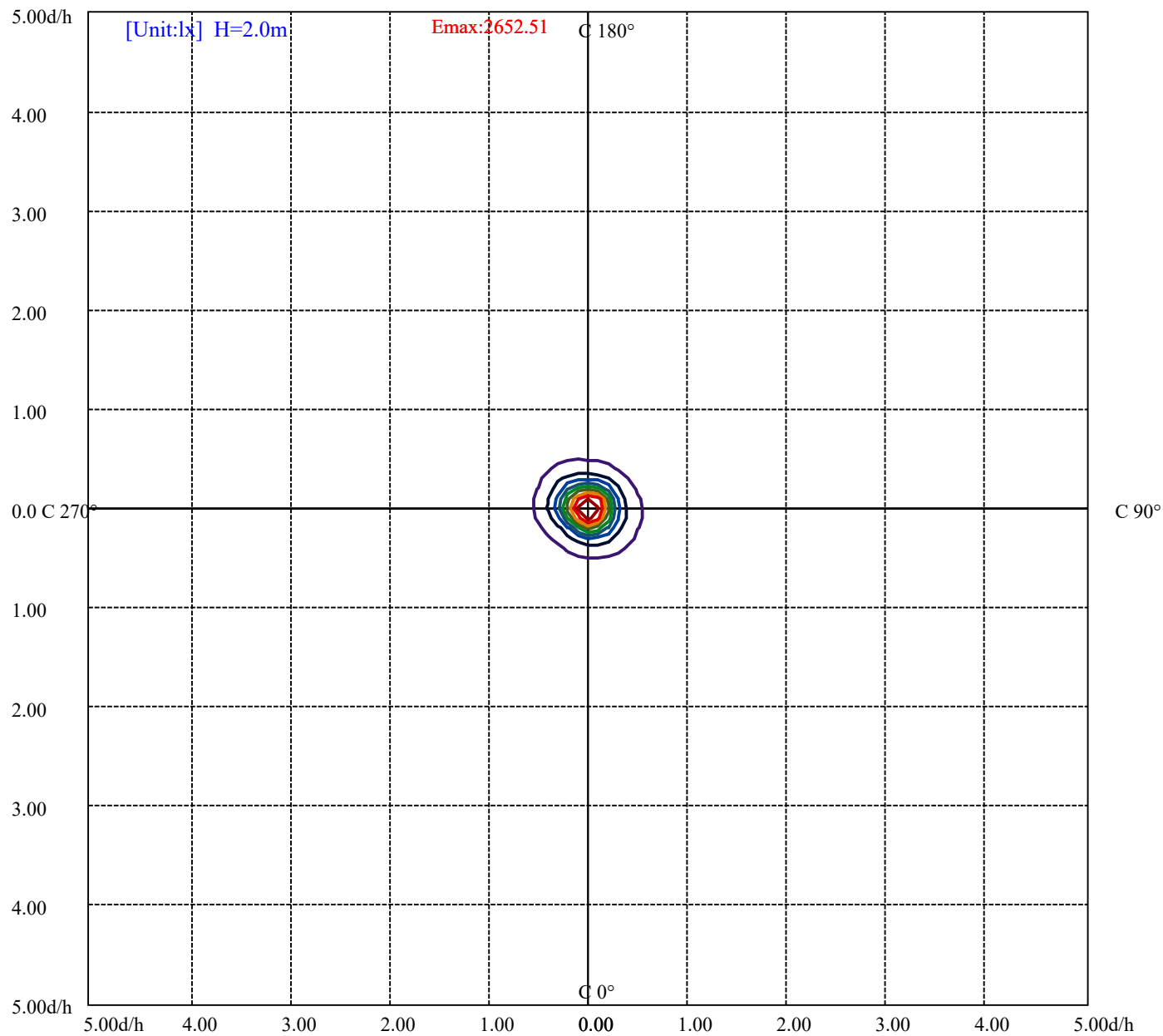
House

[Unit:cd]

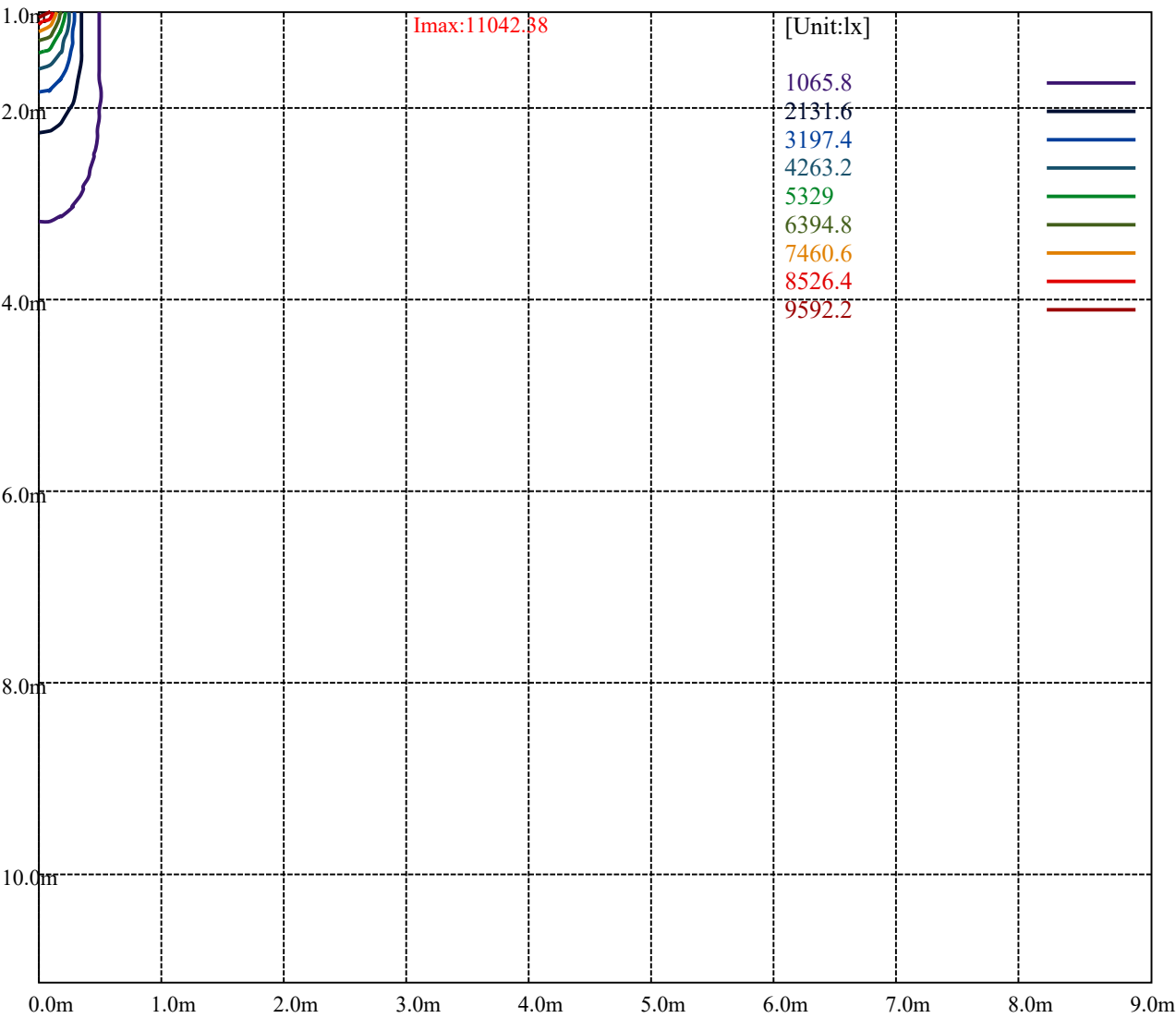
Road

Imax:11042.38

(10%Imax)	1104.17	—
(20%Imax)	2208.34	—
(30%Imax)	3312.51	—
(40%Imax)	4416.68	—
(50%Imax)	5520.84	—
(60%Imax)	6625.01	—
(70%Imax)	7729.18	—
(80%Imax)	8833.35	—
(90%Imax)	9937.52	—



(10%Emax)	265.25	—
(20%Emax)	530.5025	—
(30%Emax)	795.7525	—
(40%Emax)	1061.005	—
(50%Emax)	1326.255	—
(60%Emax)	1591.505	—
(70%Emax)	1856.757	—
(80%Emax)	2122.008	—
(90%Emax)	2387.26	—



Luminance Table

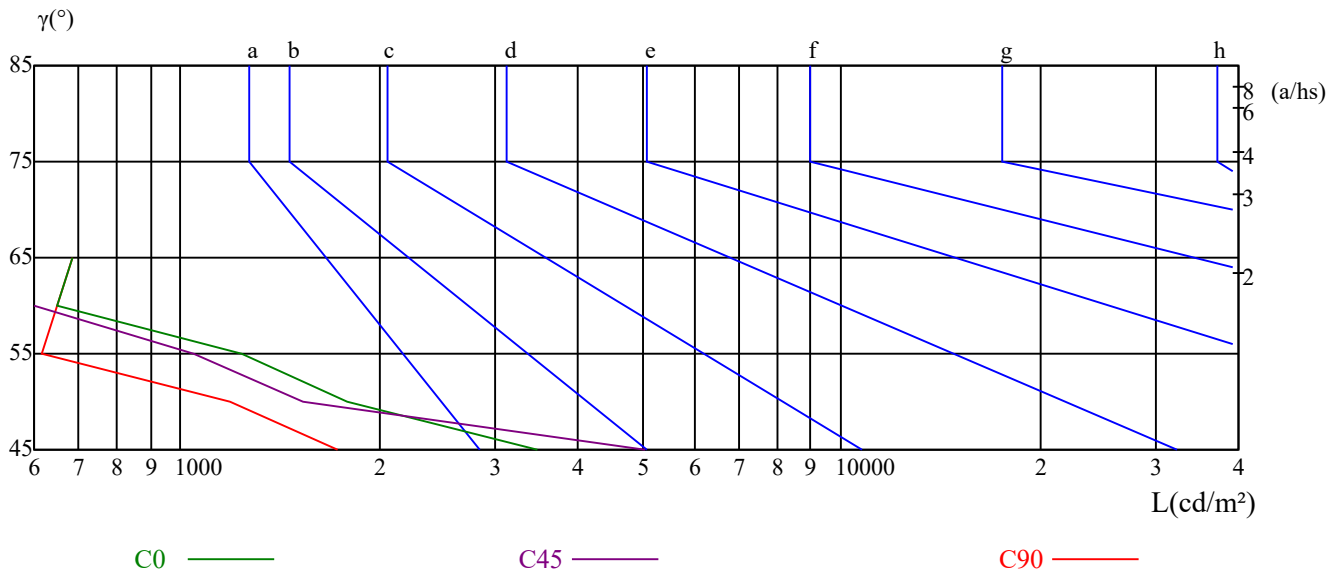
γ	45	50	55	60	65	70	75	80	85
C0	3461	1783	1236	649	688	0	0	0	0
C45	5035	1534	1047	540	563	592	0	0	0
C90	1731	1189	618	649	688	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1490	1490	1490	0	0	0	0	0	0

Glare Table

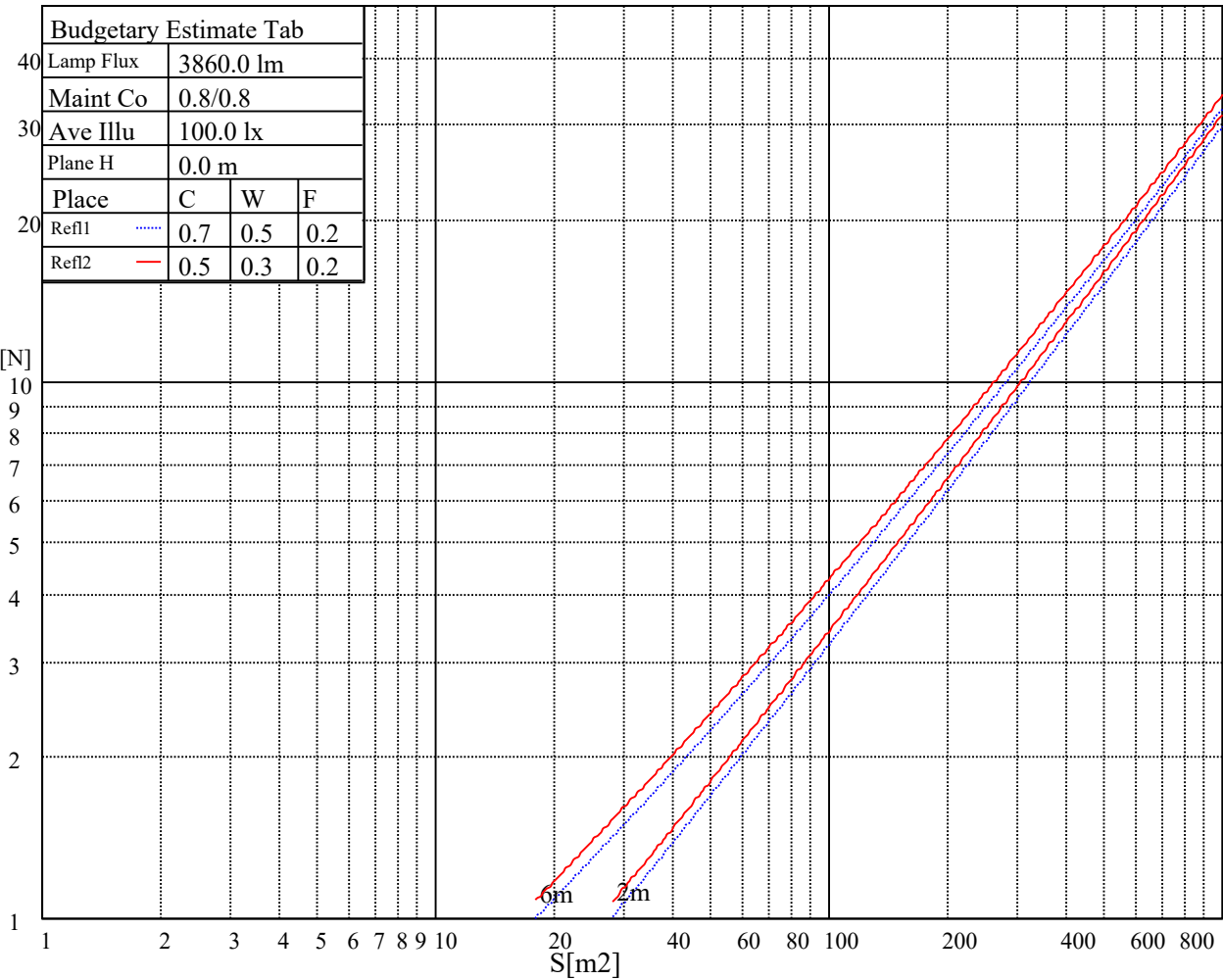
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

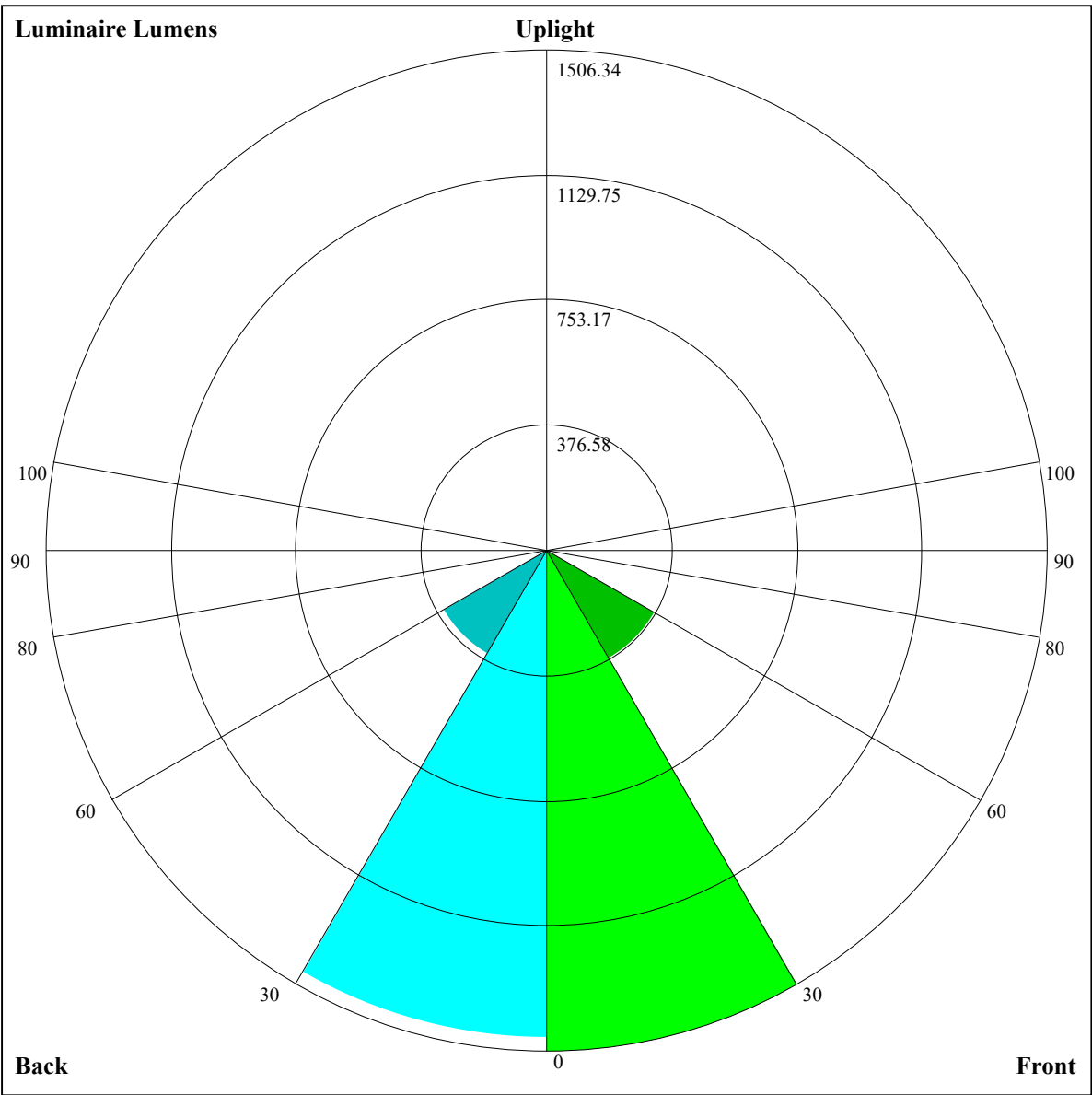


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	18.03	18.94	18.39	19.25	19.57	17.52	18.44	17.89	18.75	19.06
	3H	17.81	18.62	18.20	18.96	19.30	17.31	18.12	17.69	18.45	18.80
	4H	17.70	18.45	18.10	18.80	19.17	17.20	17.94	17.60	18.30	18.67
	6H	17.61	18.29	18.03	18.67	19.07	17.10	17.78	17.52	18.16	18.56
	8H	17.53	18.18	17.95	18.56	18.97	17.02	17.67	17.45	18.06	18.47
	12H	17.45	18.07	17.88	18.46	18.88	16.95	17.56	17.38	17.96	18.38
4H	2H	17.70	18.45	18.10	18.80	19.17	17.20	17.94	17.60	18.30	18.67
	3H	17.44	18.07	17.87	18.46	18.88	16.94	17.56	17.36	17.96	18.38
	4H	17.36	17.89	17.80	18.32	18.77	16.85	17.39	17.29	17.82	18.27
	6H	17.21	17.68	17.68	18.14	18.59	16.70	17.18	17.18	17.63	18.08
	8H	17.15	17.58	17.63	18.04	18.52	16.64	17.08	17.13	17.54	18.01
	12H	17.09	17.49	17.58	17.95	18.47	16.59	16.99	17.08	17.44	17.96
8H	4H	17.14	17.58	17.63	18.04	18.52	16.64	17.08	17.13	17.54	18.01
	6H	16.98	17.34	17.49	17.82	18.33	16.48	16.83	16.98	17.31	17.83
	8H	16.96	17.26	17.50	17.78	18.28	16.46	16.75	16.99	17.28	17.78
	12H	16.90	17.13	17.45	17.65	18.17	16.40	16.62	16.95	17.14	17.66
12H	4H	17.09	17.49	17.58	17.94	18.47	16.58	16.99	17.08	17.44	17.96
	6H	16.96	17.26	17.50	17.78	18.28	16.46	16.75	16.99	17.28	17.77
	8H	16.90	17.13	17.45	17.64	18.17	16.40	16.62	16.94	17.14	17.66
Variation with the observer position at spacings:											
S = 1.0H		4.8/-19.1					4.8/-18.8				
S = 1.5H		7.6/-19.6					7.7/-19.1				
S = 2.0H		9.6/-20.5					9.7/-19.7				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.7					-1.2				

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	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.09	1.06	1.05	1.06	1.05	1.03	1.03	1.01	1.00	0.99	0.98	0.97	0.96	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	0.90	0.89	0.88
3	0.97	0.93	0.89	0.95	0.92	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.88	0.86	0.84	0.83
4	0.92	0.87	0.84	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.79
5	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.75
6	0.83	0.78	0.74	0.82	0.78	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.72
7	0.79	0.74	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.68
8	0.76	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.65
9	0.73	0.68	0.64	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
10	0.70	0.65	0.62	0.69	0.65	0.62	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.60



Luminaire Lumens:

FL=1506.34,FM=372.99,FH=3.09,FVH=0.52

BL=1467.78,BM=361.65,BH=3.08,BVH=0.46

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	10658.69	10604.34	10604.34	10472.71	10282.47	10015.48	9685.08	9280.08	8816.99
45.0	10611.80	10624.05	10642.71	10616.06	10541.45	10402.90	10243.03	9880.66	9470.33
90.0	10612.86	10571.83	10488.70	10359.20	10149.77	9852.95	9478.85	9031.75	8492.99
135.0	11042.38	10568.10	10472.18	10312.31	10104.48	9838.03	9518.29	9145.26	8729.59
180.0	10658.69	10637.38	10573.43	10445.53	10280.33	10045.86	9747.43	9379.73	8953.41
225.0	10611.80	10579.82	10489.76	10335.22	10102.35	9785.27	9368.54	9073.85	8261.18
270.0	10612.86	10612.86	10621.39	10568.10	10477.51	10306.98	10056.52	9704.80	9267.82
315.0	11042.38	10627.78	10594.74	10524.93	10361.33	10124.73	9811.91	9417.57	8961.94
360.0	10658.69	10604.34	10604.34	10472.71	10282.47	10015.48	9685.08	9280.08	8816.99

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8295.81	7730.94	7144.75	6545.77	5948.92	5373.39	5038.73	4326.24	3871.15
45.0	9070.65	8361.89	7834.32	7120.24	6374.18	5617.46	4903.37	4237.25	3645.73
90.0	7886.01	7223.62	6541.51	5846.61	5158.63	4507.43	3907.92	3385.14	2943.37
135.0	8255.31	7754.39	7216.16	6672.60	6230.29	5569.50	5153.84	4658.24	4104.02
180.0	8479.13	7951.56	7376.03	6795.17	6214.31	5633.45	5089.89	4562.32	4088.04
225.0	7874.82	7185.25	6463.17	5728.30	5024.87	4361.95	3764.03	3243.92	2802.15
270.0	8729.59	8122.09	7450.63	6736.55	6011.80	5303.05	4620.94	4008.10	3464.54
315.0	8453.02	7903.07	7328.60	6734.95	6153.02	5583.35	5041.93	4530.88	4060.32
360.0	8295.81	7730.94	7144.75	6545.77	5948.92	5373.39	5038.73	4326.24	3871.15

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3621.75	3110.70	2920.98	2640.15	2403.01	2203.17	2034.77	1892.49	1773.65
45.0	3134.14	2707.82	2707.82	2107.78	1896.22	1791.77	1603.66	1509.87	1460.84
90.0	2712.62	2388.08	2129.10	1924.99	1770.99	1648.95	1555.69	1482.15	1419.81
135.0	3768.30	3379.28	3038.22	2739.80	2686.51	2439.24	2087.53	1935.65	1805.09
180.0	3651.06	3267.37	2926.31	2750.46	2750.46	2241.00	2061.95	1910.07	1789.11
225.0	2436.58	2142.42	1917.00	1747.54	1619.11	1517.86	1432.06	1364.38	1316.42
270.0	3006.25	2771.77	2771.77	2142.42	1938.85	1782.18	1660.68	1565.82	1490.68
315.0	3643.06	3273.76	2950.29	2671.05	2476.55	2229.81	2092.33	1944.18	1820.01
360.0	3621.75	3110.70	2920.98	2640.15	2403.01	2203.17	2034.77	1892.49	1773.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1674.53	1588.20	1514.13	1448.58	1392.09	1337.74	1289.24	1243.95	1054.66
45.0	1395.29	1340.40	1294.04	1258.34	1224.76	1193.32	1162.95	1130.97	1099.53
90.0	1367.05	1323.35	1283.92	1249.28	1218.90	1185.86	1158.68	1042.94	1042.94
135.0	1735.82	1597.79	1516.26	1473.10	1384.63	1328.68	1297.24	1249.28	1194.92
180.0	1688.92	1601.52	1525.32	1455.51	1394.76	1339.87	1289.24	1244.48	1191.19
225.0	1270.59	1245.55	1214.11	1189.06	1167.21	1144.83	1034.04	1034.04	971.90
270.0	1429.40	1379.31	1336.67	1298.84	1265.80	1237.02	1204.51	1175.74	1145.89
315.0	1713.97	1625.50	1547.17	1479.49	1419.81	1366.52	1314.82	1268.99	1186.93
360.0	1674.53	1588.20	1514.13	1448.58	1392.09	1337.74	1289.24	1243.95	1054.66

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1054.66	944.57	800.10	643.64	487.44	340.90	207.08	99.81	43.75
45.0	1052.64	955.12	836.81	708.38	572.49	430.74	303.91	303.91	179.16
90.0	951.07	794.29	681.69	529.33	383.69	247.48	129.76	45.83	21.53
135.0	1094.74	965.24	819.23	662.55	508.55	361.47	306.58	160.56	41.25
180.0	1085.14	1009.47	806.44	715.84	559.70	351.87	324.70	324.70	61.02
225.0	850.99	721.55	579.10	438.20	309.30	188.27	92.56	53.93	30.96
270.0	1112.32	964.71	832.55	749.42	602.87	450.99	312.97	312.97	81.80
315.0	1045.98	989.54	843.63	753.47	531.78	437.99	296.29	170.42	77.54
360.0	1054.66	944.57	800.10	643.64	487.44	340.90	207.08	99.81	43.75

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	31.23	24.99	21.05	17.48	15.35	13.91	12.68	11.62	10.66
45.0	54.46	35.01	28.24	23.61	19.88	17.00	14.60	12.79	11.40
90.0	16.89	13.59	11.78	10.34	9.81	9.33	8.95	8.58	8.15
135.0	33.31	23.13	18.92	16.57	13.38	12.58	11.30	10.28	9.38
180.0	35.54	28.24	22.91	19.13	16.09	14.60	13.32	12.31	11.35
225.0	25.85	24.03	20.20	18.97	16.89	14.65	12.90	11.83	11.40
270.0	26.33	17.85	13.43	11.35	9.54	8.63	8.21	7.94	7.67
315.0	37.14	29.63	23.50	19.34	15.67	13.54	11.94	10.50	9.27
360.0	31.23	24.99	21.05	17.48	15.35	13.91	12.68	11.62	10.66
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.86	9.27	8.90	8.42	7.78	7.57	7.03	6.61	6.18
45.0	10.50	9.91	9.54	9.01	8.74	8.47	7.83	7.41	7.09
90.0	7.94	7.41	7.19	6.93	6.45	6.23	5.76	5.33	4.96
135.0	8.63	8.10	7.57	7.25	7.03	6.82	6.55	6.29	5.97
180.0	10.60	9.59	8.95	8.26	7.62	6.98	6.45	5.97	5.44
225.0	11.19	10.98	10.66	10.28	9.91	9.43	8.90	8.21	7.51
270.0	7.35	7.03	6.82	6.55	6.39	6.13	5.81	5.38	5.12
315.0	8.21	7.41	6.77	6.18	5.81	5.54	5.33	5.01	4.74
360.0	9.86	9.27	8.90	8.42	7.78	7.57	7.03	6.61	6.18
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.70	5.22	4.74	4.26	3.73	3.25	2.82	2.56	2.29
45.0	6.29	5.92	5.38	4.85	4.21	3.73	3.25	2.88	2.56
90.0	4.58	4.10	3.57	3.20	2.82	2.50	2.13	1.92	1.81
135.0	5.65	5.22	4.74	4.53	3.89	3.57	3.20	2.82	2.50
180.0	5.06	4.69	4.32	3.89	3.52	3.14	2.88	2.56	2.29
225.0	6.82	6.18	5.22	4.48	3.94	3.41	2.98	2.56	2.24
270.0	4.80	4.42	4.05	3.68	3.30	2.93	2.50	2.18	2.03
315.0	4.58	4.37	4.16	3.84	3.46	3.14	2.82	2.61	2.34
360.0	5.70	5.22	4.74	4.26	3.73	3.25	2.82	2.56	2.29
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.13	1.97	1.87	1.76	1.76	1.65	1.60	1.49	1.39
45.0	2.40	2.29	2.18	2.13	2.08	2.03	2.03	1.87	1.76
90.0	1.71	1.55	1.39	1.39	1.28	1.17	1.12	0.96	0.91
135.0	2.29	2.13	2.03	1.87	1.71	1.65	1.55	1.44	1.33
180.0	2.13	1.92	1.71	1.65	1.49	1.33	1.28	1.17	1.07
225.0	2.08	1.97	1.81	1.71	1.65	1.55	1.44	1.33	1.28
270.0	1.81	1.65	1.55	1.49	1.39	1.33	1.28	1.17	1.07
315.0	2.24	2.08	1.97	1.81	1.71	1.65	1.60	1.44	1.33
360.0	2.13	1.97	1.87	1.76	1.76	1.65	1.60	1.49	1.39
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.28	1.17	1.17	1.01	1.07	0.91	0.85	0.80	0.75
45.0	1.71	1.60	1.49	1.28	1.12	0.91	0.80	0.75	0.69
90.0	0.91	0.85	0.85	0.80	0.80	0.75	0.69	0.64	0.59
135.0	1.28	1.28	1.17	1.12	1.12	1.01	0.91	0.80	0.69
180.0	1.07	0.91	0.91	0.85	0.85	0.80	0.64	0.64	0.59
225.0	1.23	1.07	0.96	0.85	0.75	0.69	0.64	0.53	0.48
270.0	1.07	0.96	0.91	0.91	0.80	0.75	0.75	0.69	0.59
315.0	1.33	1.28	1.17	1.12	1.07	1.01	0.96	0.85	0.75
360.0	1.28	1.17	1.17	1.01	1.07	0.91	0.85	0.80	0.75

Intensity data(cd)

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