



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

NT

Client: NT

LumCAT: 2-2912-L

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250317-B005

Ballast type: AC

Test No: 20250317-C005

Voltage(V): 36.160

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

Lamp flux(lm): 2511.0 Power (W): 21.840

Number of Lamps: 1 PF: 0.000

Length(mm): 63 Width(mm): 63

Phm Type: C Height(mm): 40

Photometric Results

Lumens(lm): 2336.23, Efficiency(%): 93.04% , Luminous Efficacy(lm/W): 106.97

Central intensity(cd): 11841.730, Maximum intensity(cd): 12363.970

Angle of maximum intensity: C=135.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=45.8

[C90/270]Total=45.9

Maximum s/h(1/2): C0_180=0.39 C90_270=0.30

Maximum s/h(1/4): C0_180=0.40 C90_270=0.33

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.96%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 100.047%

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	12169.464	0.000	0	0.00%	0.00%
1.0	11904.813	11.519	11.519	0.46%	0.49%
2.0	11367.050	33.402	44.921	1.33%	1.92%
3.0	10911.953	53.284	98.205	2.12%	4.20%
4.0	10461.187	71.543	169.748	2.85%	7.27%
5.0	9687.682	86.679	256.427	3.45%	10.98%
6.0	8917.775	97.777	354.204	3.89%	15.16%
7.0	8063.536	105.403	459.607	4.20%	19.67%
8.0	7247.333	109.577	569.184	4.36%	24.36%
9.0	6468.767	111.162	680.345	4.43%	29.12%
10.0	5673.213	109.880	790.226	4.38%	33.82%
11.0	5000.560	106.653	896.878	4.25%	38.39%
12.0	4341.763	102.125	999.003	4.07%	42.76%
13.0	3783.683	96.429	1095.432	3.84%	46.89%
14.0	3237.328	89.868	1185.3	3.58%	50.74%
15.0	2817.802	83.128	1268.428	3.31%	54.29%
16.0	2566.606	78.897	1347.325	3.14%	57.67%
17.0	2252.595	75.048	1422.372	2.99%	60.88%
18.0	1995.604	70.044	1492.416	2.79%	63.88%
19.0	1819.214	66.370	1558.786	2.64%	66.72%
20.0	1594.530	62.481	1621.267	2.49%	69.40%
21.0	1457.974	58.614	1679.881	2.33%	71.91%
22.0	1330.145	56.028	1735.91	2.23%	74.30%
23.0	1204.967	53.193	1789.103	2.12%	76.58%
24.0	1114.987	50.723	1839.826	2.02%	78.75%
25.0	1049.207	49.209	1889.035	1.96%	80.86%
26.0	988.483	48.100	1937.135	1.92%	82.92%
27.0	932.608	47.000	1984.135	1.87%	84.93%
28.0	876.321	45.798	2029.933	1.82%	86.89%
29.0	813.305	44.205	2074.138	1.76%	88.78%
30.0	743.289	42.028	2116.166	1.67%	90.58%
31.0	661.922	39.105	2155.271	1.56%	92.25%
32.0	581.620	35.626	2190.897	1.42%	93.78%
33.0	495.164	31.722	2222.619	1.26%	95.14%
34.0	407.049	27.304	2249.923	1.09%	96.31%
35.0	329.206	22.865	2272.788	0.91%	97.28%
36.0	259.982	18.760	2291.548	0.75%	98.09%
37.0	208.337	15.274	2306.822	0.61%	98.74%

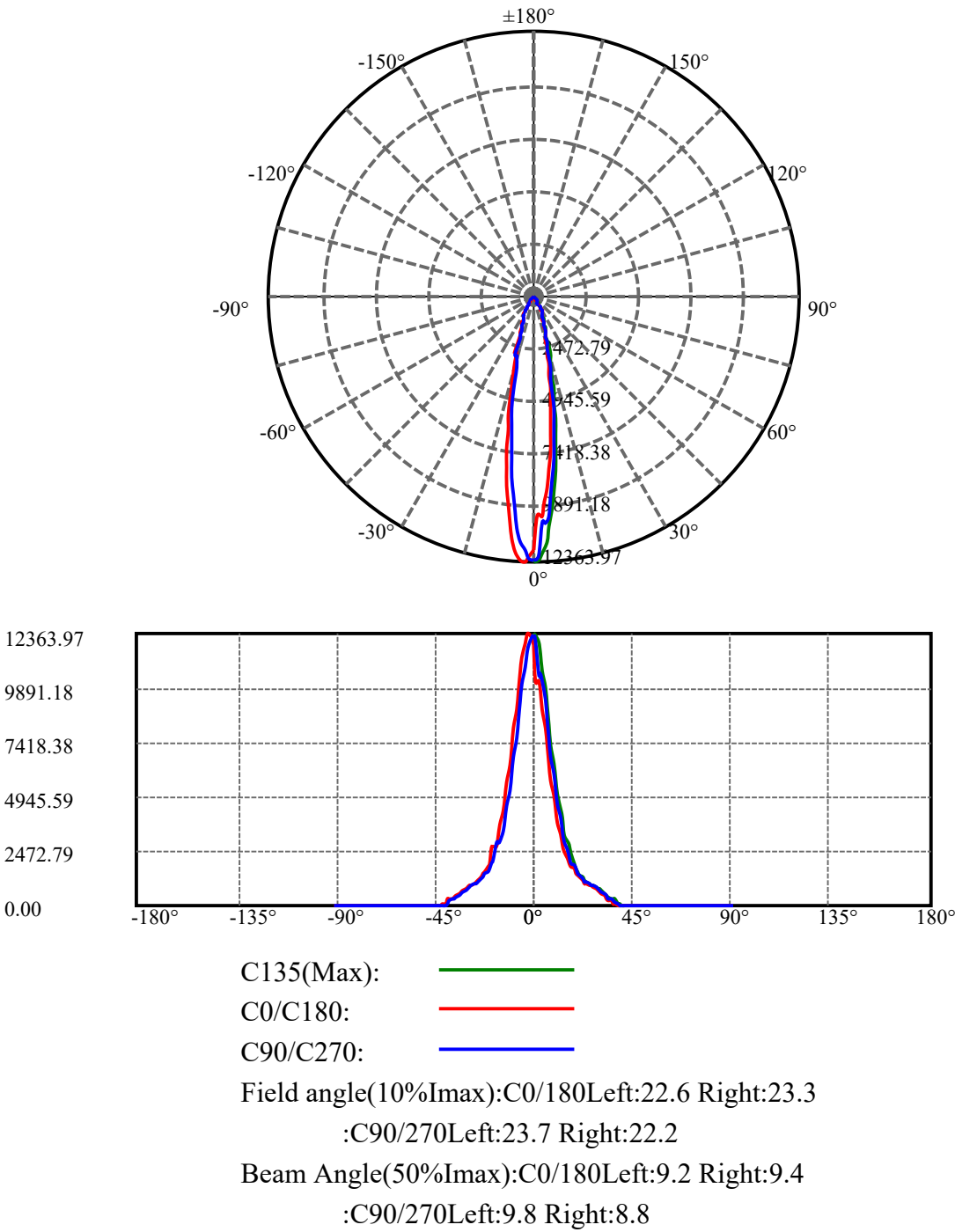
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	130.367	11.306	2318.128	0.45%	99.23%
39.0	77.943	7.110	2325.238	0.28%	99.53%
40.0	29.683	3.754	2328.992	0.15%	99.69%
41.0	15.541	1.610	2330.602	0.06%	99.76%
42.0	10.185	0.935	2331.537	0.04%	99.80%
43.0	7.814	0.667	2332.203	0.03%	99.83%
44.0	5.982	0.521	2332.724	0.02%	99.85%
45.0	4.603	0.407	2333.131	0.02%	99.87%
46.0	3.664	0.323	2333.454	0.01%	99.88%
47.0	2.878	0.260	2333.714	0.01%	99.89%
48.0	2.351	0.211	2333.926	0.01%	99.90%
49.0	2.005	0.179	2334.104	0.01%	99.91%
50.0	1.765	0.157	2334.262	0.01%	99.92%
51.0	1.572	0.141	2334.403	0.01%	99.92%
52.0	1.412	0.128	2334.531	0.01%	99.93%
53.0	1.286	0.117	2334.648	0.00%	99.93%
54.0	1.186	0.109	2334.757	0.00%	99.94%
55.0	1.066	0.101	2334.858	0.00%	99.94%
56.0	0.999	0.093	2334.951	0.00%	99.95%
57.0	0.913	0.087	2335.038	0.00%	99.95%
58.0	0.839	0.081	2335.119	0.00%	99.95%
59.0	0.759	0.075	2335.194	0.00%	99.96%
60.0	0.679	0.068	2335.262	0.00%	99.96%
61.0	0.619	0.062	2335.324	0.00%	99.96%
62.0	0.560	0.057	2335.381	0.00%	99.96%
63.0	0.520	0.052	2335.433	0.00%	99.97%
64.0	0.466	0.048	2335.482	0.00%	99.97%
65.0	0.440	0.045	2335.527	0.00%	99.97%
66.0	0.413	0.043	2335.569	0.00%	99.97%
67.0	0.393	0.041	2335.61	0.00%	99.97%
68.0	0.333	0.037	2335.646	0.00%	99.98%
69.0	0.333	0.034	2335.68	0.00%	99.98%
70.0	0.300	0.033	2335.713	0.00%	99.98%
71.0	0.293	0.031	2335.744	0.00%	99.98%
72.0	0.280	0.030	2335.773	0.00%	99.98%
73.0	0.273	0.029	2335.802	0.00%	99.98%
74.0	0.273	0.029	2335.831	0.00%	99.98%
75.0	0.266	0.029	2335.86	0.00%	99.98%

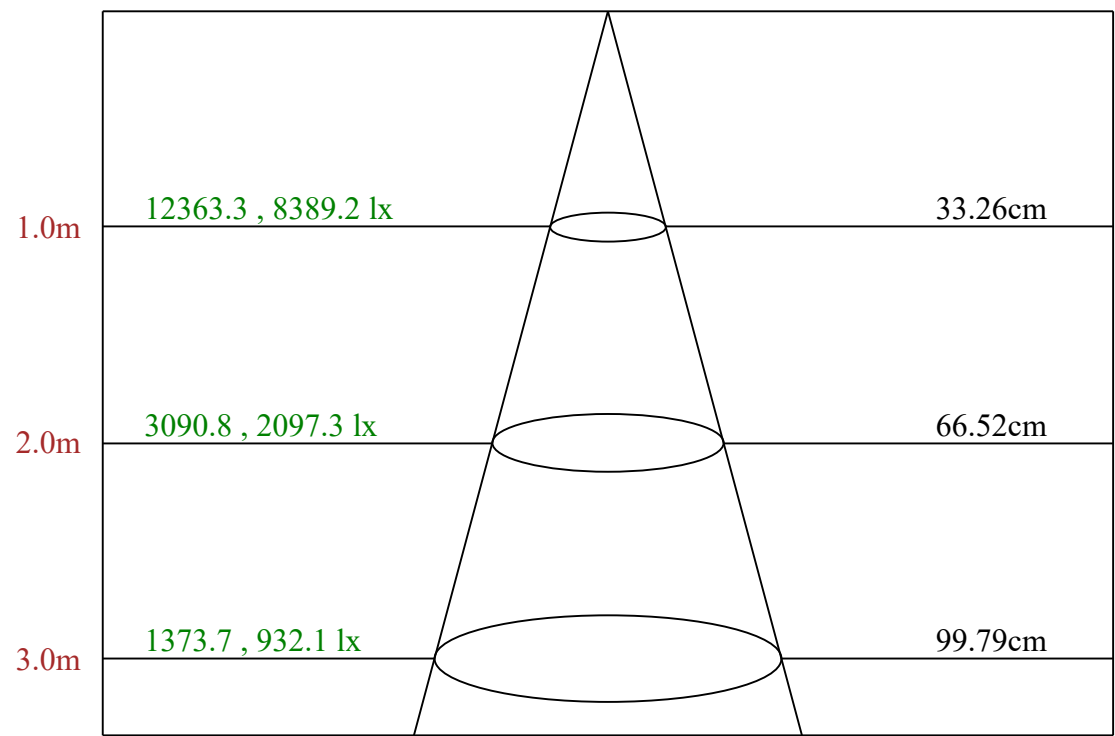
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.246	0.027	2335.887	0.00%	99.99%
77.0	0.226	0.025	2335.912	0.00%	99.99%
78.0	0.253	0.026	2335.938	0.00%	99.99%
79.0	0.226	0.026	2335.963	0.00%	99.99%
80.0	0.220	0.024	2335.987	0.00%	99.99%
81.0	0.240	0.025	2336.012	0.00%	99.99%
82.0	0.233	0.026	2336.038	0.00%	99.99%
83.0	0.220	0.025	2336.063	0.00%	99.99%
84.0	0.220	0.024	2336.087	0.00%	99.99%
85.0	0.213	0.024	2336.11	0.00%	99.99%
86.0	0.213	0.023	2336.134	0.00%	100.00%
87.0	0.220	0.024	2336.157	0.00%	100.00%
88.0	0.220	0.024	2336.181	0.00%	100.00%
89.0	0.213	0.024	2336.205	0.00%	100.00%
90.0	0.206	0.023	2336.228	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2116.17	84.27%	90.58%
0-40	2328.99	92.75%	99.69%
0-60	2335.26	93.00%	99.96%
0-90	2336.21	93.04%	100.00%
0-120	2336.21	93.04%	100.00%
0-180	2336.23	93.04%	100.00%
60-90	0.94	0.04%	0.04%
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%
0-24.59	1868.98	74.43%	80.00%

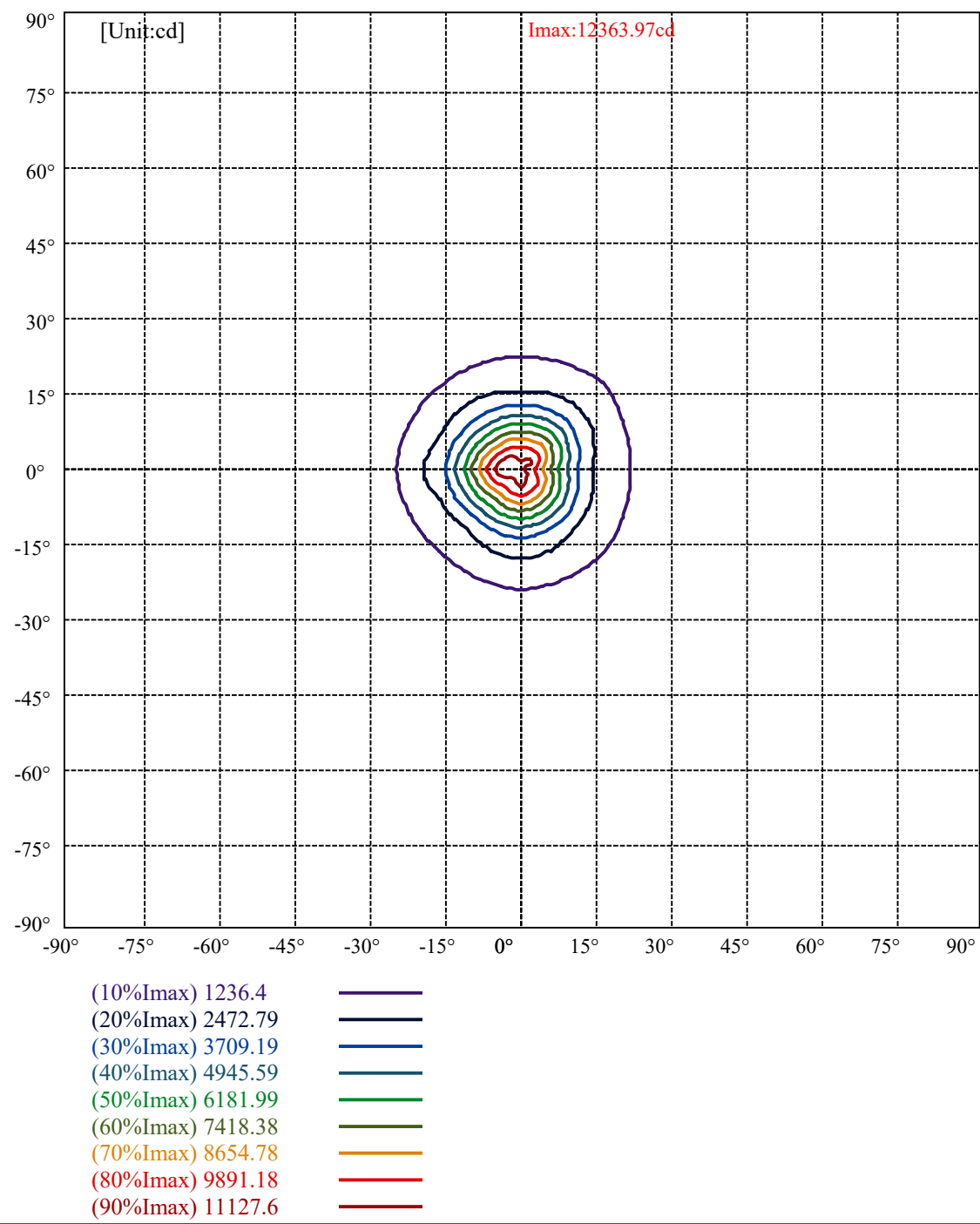
ZONAL LUMEN SUMMARY

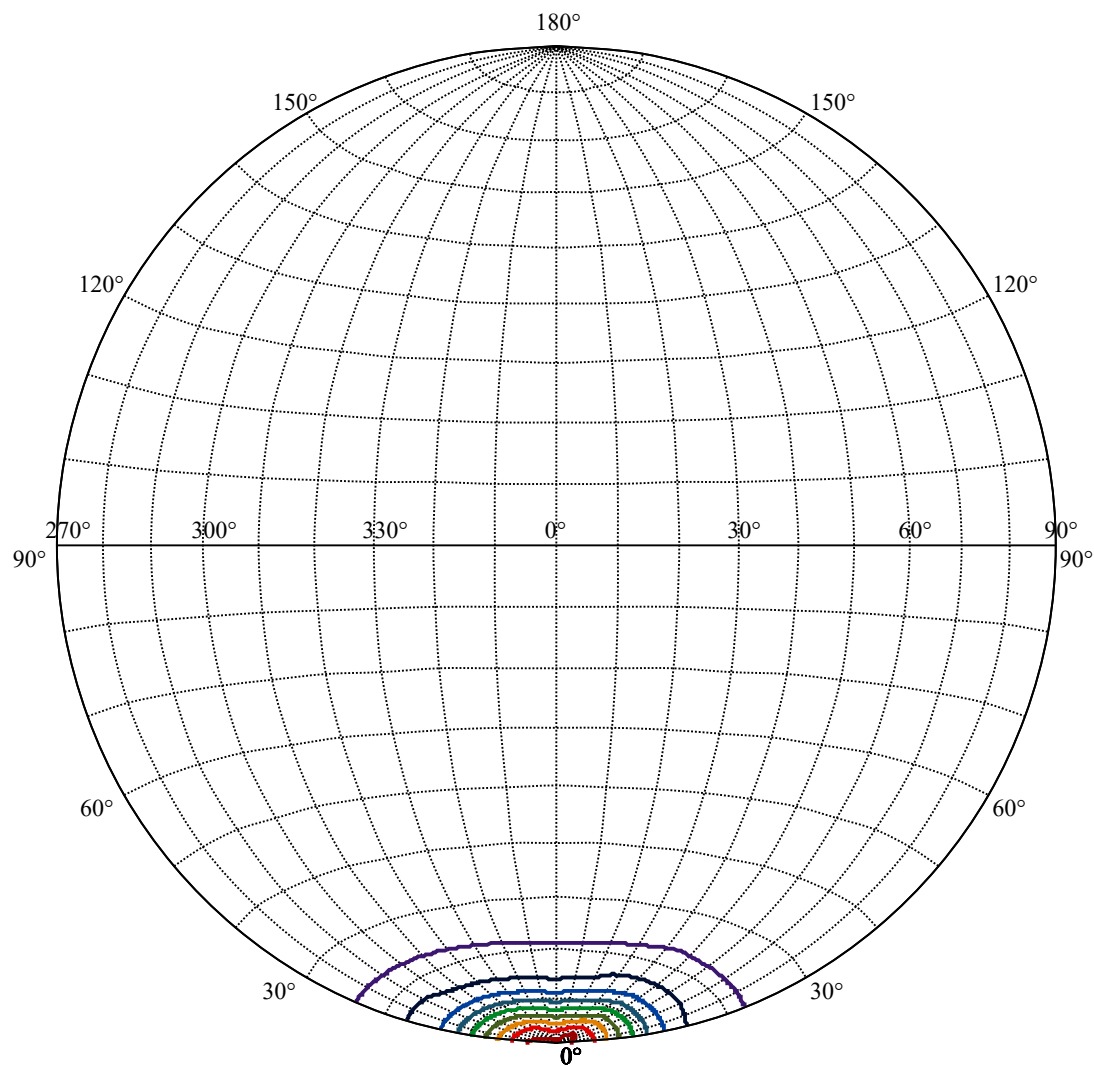
0-10	790.23
10-20	831.04
20-30	494.90
30-40	212.83
40-50	5.27
50-60	1.00
60-70	0.45
70-80	0.27
80-90	0.22
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C135 plane 18.88



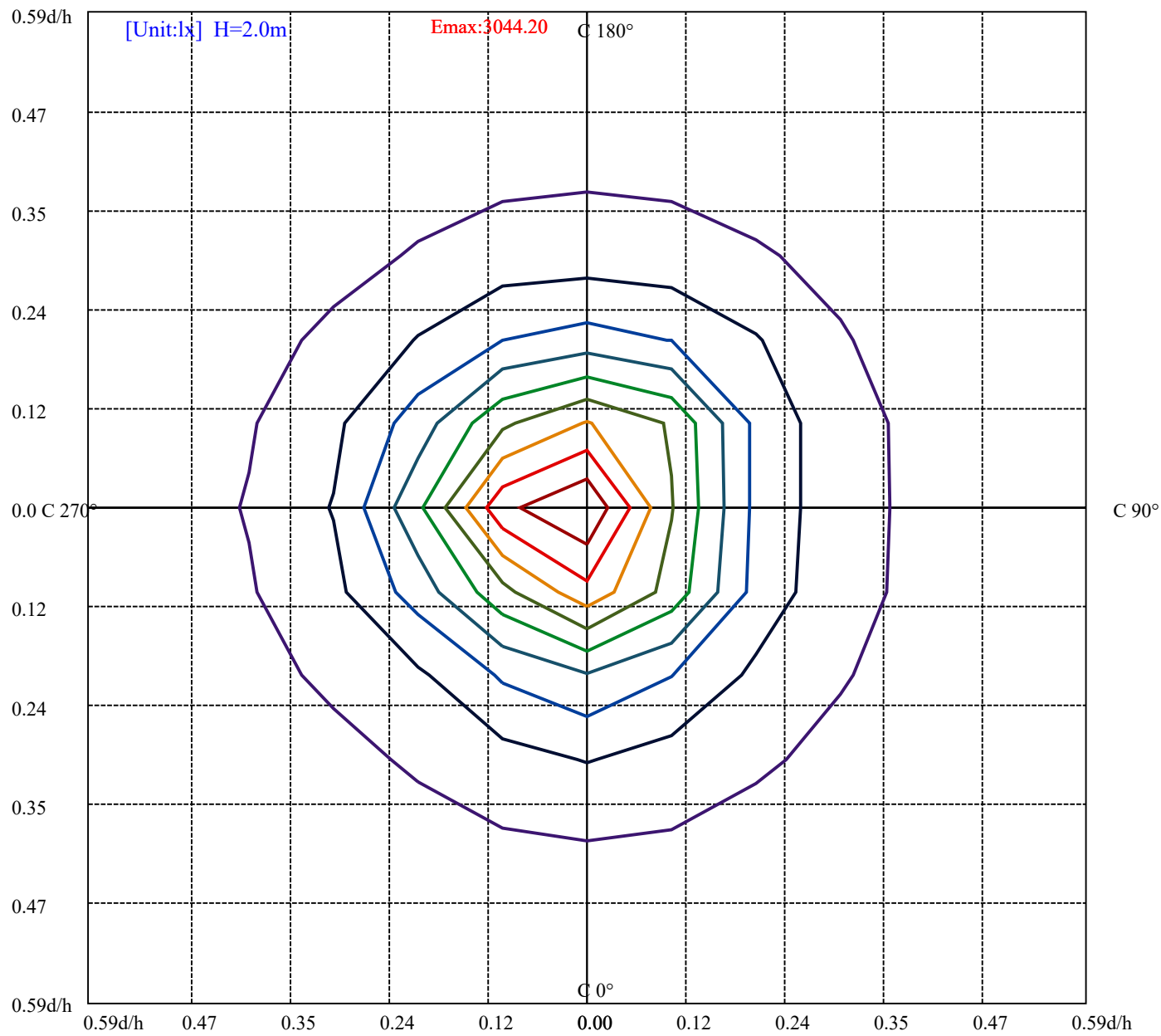


House

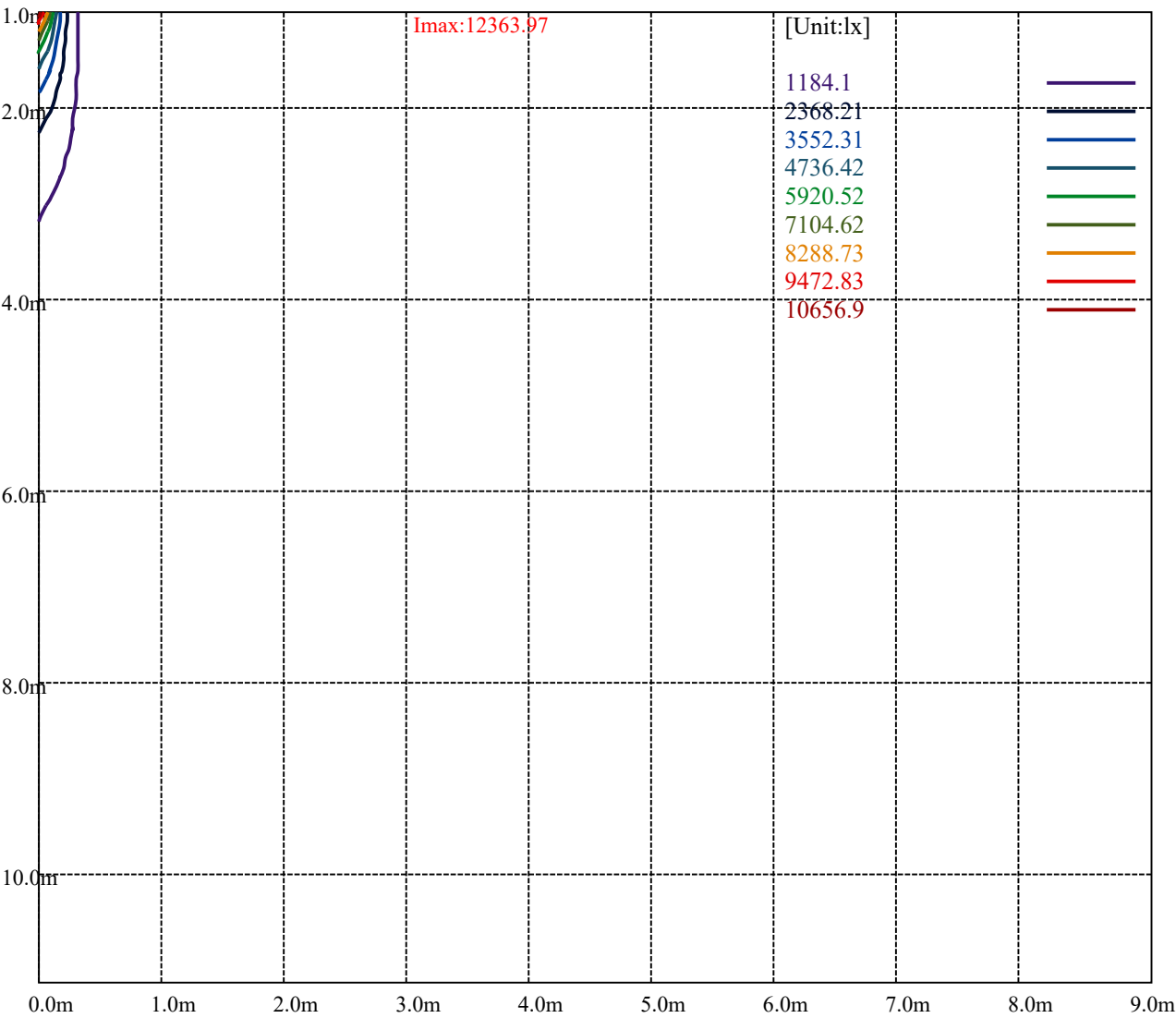
[Unit:cd]

Road

Imax:12363.97	
(10%Imax) 1236.33	
(20%Imax) 2472.66	
(30%Imax) 3708.98	
(40%Imax) 4945.31	
(50%Imax) 6181.64	
(60%Imax) 7417.97	
(70%Imax) 8654.3	
(80%Imax) 9890.62	
(90%Imax) 11127	



(10%Emax)	304.42	
(20%Emax)	608.8375	
(30%Emax)	913.2575	
(40%Emax)	1217.675	
(50%Emax)	1522.095	
(60%Emax)	1826.515	
(70%Emax)	2130.933	
(80%Emax)	2435.353	
(90%Emax)	2739.775	



Luminance Table

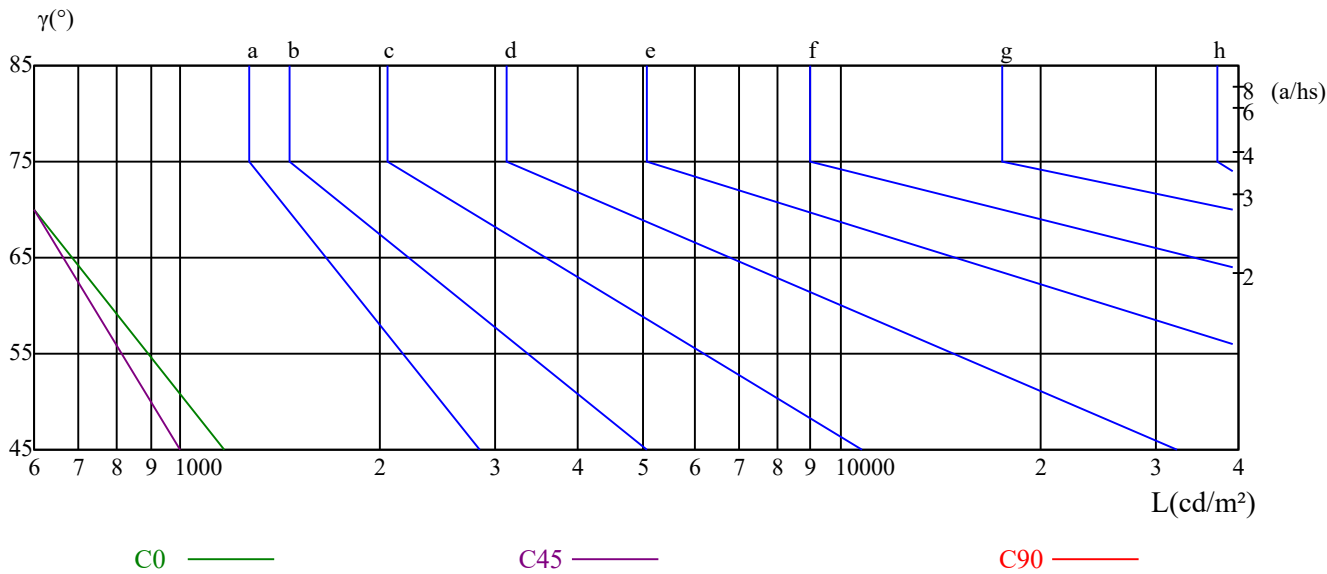
γ	45	50	55	60	65	70	75	80	85
C0	1161	0	0	0	0	86	0	0	93
C45	1000	0	0	0	0	68	0	0	68
C90	1161	0	0	0	0	0	0	0	0

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	385	0	193

Glare Table

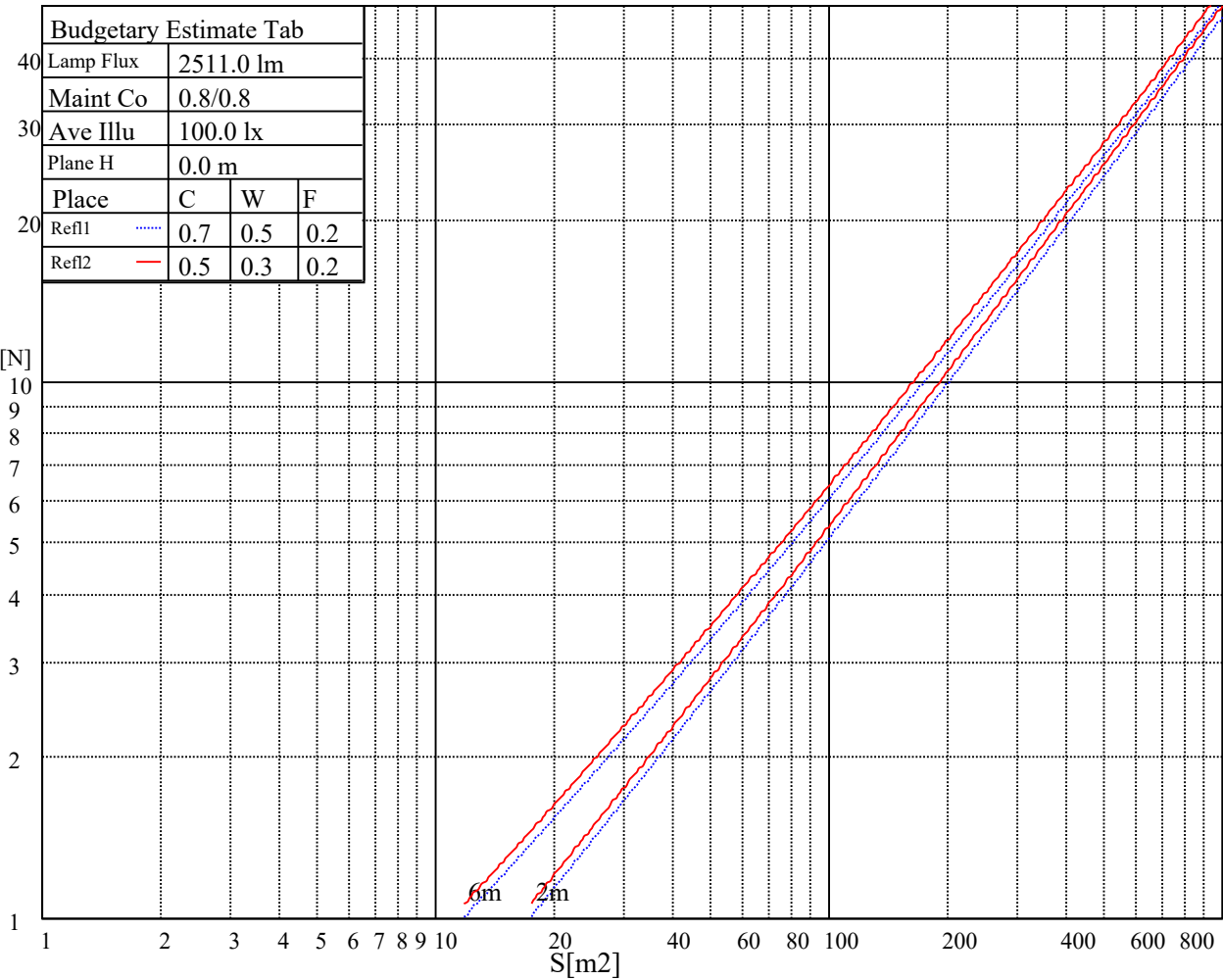
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

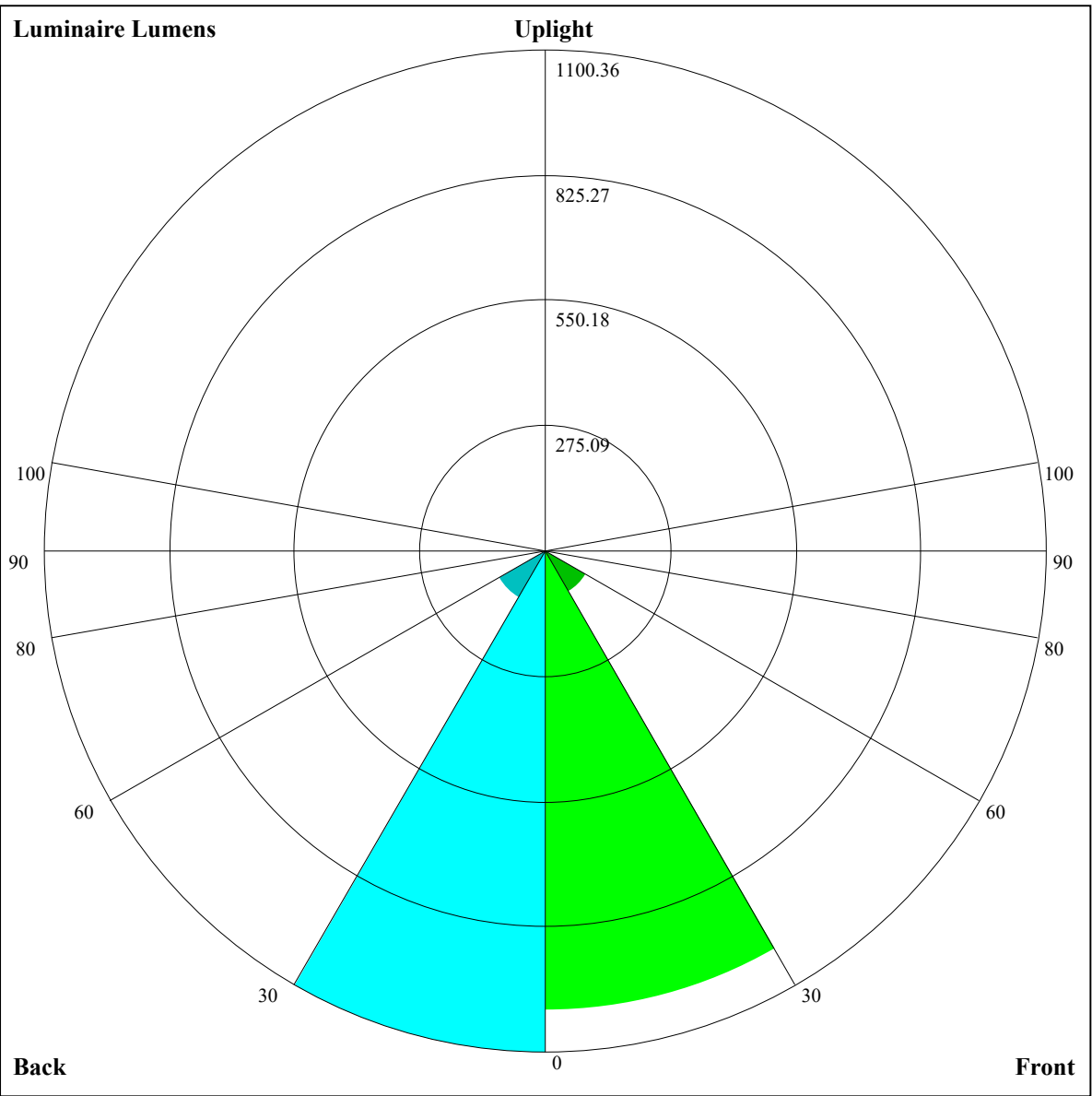


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.08	13.96	13.44	14.27	14.58	14.06	14.94	14.43	15.25	15.57
	3H	12.85	13.63	13.24	13.97	14.32	13.84	14.62	14.22	14.95	15.30
	4H	12.74	13.46	13.14	13.82	14.18	13.72	14.44	14.12	14.80	15.17
	6H	12.64	13.30	13.06	13.68	14.08	13.62	14.28	14.05	14.66	15.06
	8H	12.56	13.19	12.99	13.58	13.98	13.54	14.17	13.97	14.56	14.97
	12H	12.49	13.08	12.92	13.47	13.89	13.47	14.06	13.90	14.46	14.88
4H	2H	12.74	13.46	13.14	13.82	14.18	13.72	14.44	14.12	14.80	15.17
	3H	12.47	13.07	12.90	13.47	13.89	13.45	14.06	13.88	14.45	14.87
	4H	12.38	12.90	12.82	13.33	13.78	13.37	13.88	13.80	14.31	14.76
	6H	12.23	12.69	12.71	13.14	13.60	13.21	13.67	13.69	14.12	14.58
	8H	12.17	12.59	12.66	13.05	13.52	13.15	13.57	13.64	14.03	14.51
	12H	12.11	12.50	12.60	12.95	13.47	13.09	13.48	13.58	13.93	14.46
8H	4H	12.17	12.59	12.65	13.05	13.52	13.15	13.57	13.64	14.03	14.50
	6H	12.00	12.34	12.51	12.82	13.34	12.98	13.32	13.49	13.80	14.32
	8H	11.98	12.26	12.52	12.79	13.28	12.96	13.24	13.50	13.77	14.27
	12H	11.92	12.13	12.47	12.65	13.17	12.90	13.11	13.45	13.63	14.15
12H	4H	12.11	12.50	12.60	12.95	13.47	13.09	13.48	13.58	13.93	14.45
	6H	11.98	12.26	12.52	12.79	13.28	12.96	13.24	13.50	13.77	14.27
	8H	11.92	12.13	12.47	12.65	13.17	12.90	13.11	13.45	13.63	14.15
Variation with the observer position at spacings:											
S = 1.0H		6.3/-26.5					6.2/-25.5				
S = 1.5H		9.1/-26.7					9.1/-25.2				
S = 2.0H		11.1/-26.1					11.1/-24.8				
Standard tables:		BK0					BK0				
Uncorrected UGR		-5.2					-6.2				

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	1.11	1.11	1.11	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.89	0.94	0.91	0.88	0.91	0.89	0.87	0.89	0.87	0.85	0.87	0.86	0.84	0.83
4	0.91	0.87	0.84	0.90	0.86	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.85	0.83	0.81	0.80
5	0.87	0.83	0.80	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.82	0.80	0.78	0.77
6	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
7	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.72
8	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.69
9	0.76	0.71	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65



Luminaire Lumens:

FL=1008.75,FM=102.23,FH=0.36,FVH=0.12

BL=1100.36,BM=118.39,BH=0.37,BVH=0.11

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	11841.73	10214.79	10214.79	9734.11	8933.70	8083.72	7263.59	6473.30	5718.71
45.0	12177.46	12092.19	11697.85	11106.33	10370.93	9582.23	9097.30	7924.92	7429.32
90.0	12294.70	12081.54	10547.85	10547.85	10225.45	9350.42	8483.93	7612.64	6766.39
135.0	12363.97	12284.04	12001.60	11463.37	10701.32	9912.63	9097.30	8202.02	7322.74
180.0	11841.73	12140.15	12363.97	12273.38	11911.01	11308.83	10573.43	9774.08	8916.11
225.0	12177.46	12108.18	11697.85	10457.26	10457.26	9688.81	8860.69	8175.38	7160.20
270.0	12294.70	12220.09	11820.41	11415.41	10791.92	10077.83	9262.49	8479.13	7605.18
315.0	12363.97	12097.52	10592.08	10297.92	10297.92	9496.97	8703.48	7866.83	7060.02
360.0	11841.73	10214.79	10214.79	9734.11	8933.70	8083.72	7263.59	6473.30	5718.71
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5019.54	4340.63	3749.11	3224.74	2790.96	2452.03	2178.66	1954.84	1770.45
45.0	6603.32	5553.51	5127.19	4450.41	3842.90	3288.69	2825.06	2825.06	2118.44
90.0	6010.21	5297.19	4604.95	3958.01	3402.73	2930.58	2515.98	2190.91	1956.97
135.0	6480.76	5724.04	5036.60	4375.80	3992.11	3219.41	2936.97	2766.44	2357.18
180.0	8047.48	7162.87	6336.87	5617.46	4946.00	4274.55	3672.37	3150.13	2713.15
225.0	6542.57	5779.99	5074.43	4419.50	3782.68	3246.59	2805.35	2440.84	2147.21
270.0	6763.19	5990.49	5255.09	4546.33	3944.15	3400.59	2926.31	2841.05	2841.05
315.0	6283.05	5536.99	4820.24	4141.86	3567.93	3086.18	2681.71	2363.57	2116.31
360.0	5019.54	4340.63	3749.11	3224.74	2790.96	2452.03	2178.66	1954.84	1770.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1672.40	1468.83	1390.50	1274.32	1151.22	1036.49	1012.08	953.62	905.13
45.0	1906.34	1727.29	1570.08	1433.66	1322.28	1254.07	1159.22	1044.64	1005.74
90.0	1840.80	1661.21	1455.51	1383.04	1266.86	1055.89	1055.89	1004.52	947.87
135.0	1900.48	1705.44	1548.23	1417.14	1291.38	1183.20	1087.81	1014.27	951.92
180.0	2713.15	2633.22	1940.45	1739.01	1566.35	1424.07	1296.71	1185.86	1091.01
225.0	1920.20	1732.62	1561.02	1421.94	1301.50	1165.61	1061.64	1061.64	967.48
270.0	2100.85	1889.82	1716.10	1559.96	1423.00	1305.23	1197.05	1106.46	1028.66
315.0	1910.61	1735.28	1574.35	1434.73	1318.55	1215.17	1049.49	1022.64	1010.06
360.0	1672.40	1468.83	1390.50	1274.32	1151.22	1036.49	1012.08	953.62	905.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	850.14	773.98	684.72	593.28	504.98	451.10	332.53	249.88	201.70
45.0	947.66	894.90	840.54	762.21	676.94	591.68	497.89	411.56	332.16
90.0	895.86	840.28	762.79	679.18	592.32	507.59	455.15	333.76	286.33
135.0	899.70	851.73	782.99	743.02	660.42	572.49	492.03	408.36	320.97
180.0	1017.47	955.12	905.02	856.53	793.65	717.44	634.84	567.70	464.32
225.0	932.10	882.16	827.33	751.71	674.17	590.35	501.46	416.73	335.25
270.0	966.31	911.95	862.39	795.78	716.91	634.84	549.05	461.65	375.32
315.0	951.65	900.44	840.65	764.60	675.98	587.47	498.37	406.76	317.61
360.0	850.14	773.98	684.72	593.28	504.98	451.10	332.53	249.88	201.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	105.89	53.98	31.92	13.96	10.18	8.37	6.50	4.74	3.73
45.0	296.45	278.33	120.33	56.70	22.81	12.20	9.17	7.73	5.97
90.0	210.02	115.43	80.25	34.16	14.55	10.39	8.42	6.55	5.12
135.0	292.19	274.07	99.49	50.31	19.61	11.19	9.38	7.46	5.76
180.0	383.31	317.24	300.72	269.27	93.63	43.54	17.16	10.92	9.11
225.0	251.64	176.02	108.66	53.45	20.41	11.67	9.75	8.15	5.60
270.0	305.51	290.06	204.47	90.11	37.73	15.19	11.35	9.38	6.93
315.0	234.85	161.58	97.09	55.58	18.54	11.78	9.75	7.57	5.65
360.0	105.89	53.98	31.92	13.96	10.18	8.37	6.50	4.74	3.73

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	2.98	2.34	1.97	1.76	1.60	1.39	1.23	1.17	1.07
45.0	4.53	3.68	2.98	2.34	1.97	1.76	1.60	1.39	1.28
90.0	3.94	3.20	2.50	2.08	1.87	1.55	1.39	1.23	1.12
135.0	4.69	3.68	3.04	2.40	1.97	1.76	1.60	1.44	1.28
180.0	6.98	5.33	4.16	3.41	2.66	2.24	2.03	1.76	1.55
225.0	4.37	3.78	2.77	2.34	2.08	1.92	1.71	1.55	1.44
270.0	5.22	4.00	3.14	2.50	2.13	1.92	1.65	1.55	1.44
315.0	4.10	3.30	2.45	1.97	1.76	1.60	1.39	1.23	1.12
360.0	2.98	2.34	1.97	1.76	1.60	1.39	1.23	1.17	1.07
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	0.96	0.91	0.85	0.80	0.75	0.69	0.59	0.59	0.53
45.0	1.17	1.07	0.96	0.91	0.85	0.80	0.69	0.64	0.59
90.0	1.07	0.91	0.91	0.80	0.75	0.69	0.64	0.59	0.53
135.0	1.12	1.01	1.01	0.85	0.80	0.75	0.69	0.59	0.59
180.0	1.44	1.33	1.23	1.17	1.01	0.96	0.91	0.80	0.64
225.0	1.28	1.23	1.07	0.96	0.91	0.75	0.64	0.59	0.53
270.0	1.39	1.17	1.12	1.01	0.96	0.80	0.69	0.64	0.59
315.0	1.07	0.91	0.85	0.80	0.69	0.64	0.59	0.53	0.48
360.0	0.96	0.91	0.85	0.80	0.75	0.69	0.59	0.59	0.53
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.48	0.43	0.43	0.43	0.37	0.32	0.37	0.32	0.32
45.0	0.53	0.53	0.48	0.43	0.43	0.37	0.32	0.32	0.37
90.0	0.48	0.43	0.37	0.37	0.37	0.27	0.32	0.27	0.21
135.0	0.53	0.48	0.43	0.43	0.37	0.32	0.37	0.32	0.27
180.0	0.64	0.59	0.53	0.48	0.48	0.43	0.37	0.32	0.32
225.0	0.48	0.43	0.43	0.37	0.37	0.32	0.27	0.27	0.32
270.0	0.53	0.43	0.48	0.43	0.37	0.32	0.37	0.32	0.27
315.0	0.48	0.43	0.37	0.37	0.37	0.32	0.27	0.27	0.27
360.0	0.48	0.43	0.43	0.43	0.37	0.32	0.37	0.32	0.32
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.27	0.32	0.32	0.27	0.27	0.27	0.32	0.27	0.27
45.0	0.32	0.27	0.32	0.32	0.27	0.21	0.27	0.27	0.21
90.0	0.27	0.27	0.27	0.27	0.21	0.27	0.27	0.16	0.21
135.0	0.32	0.32	0.27	0.27	0.32	0.27	0.27	0.27	0.27
180.0	0.32	0.27	0.27	0.27	0.27	0.21	0.21	0.27	0.27
225.0	0.27	0.21	0.21	0.27	0.21	0.16	0.21	0.21	0.21
270.0	0.27	0.27	0.27	0.27	0.27	0.21	0.27	0.21	0.16
315.0	0.21	0.27	0.27	0.21	0.16	0.21	0.21	0.16	0.16
360.0	0.27	0.32	0.32	0.27	0.27	0.27	0.32	0.27	0.27
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.27	0.27	0.21	0.27	0.27	0.27	0.27	0.32	0.32
45.0	0.27	0.27	0.27	0.27	0.27	0.21	0.27	0.21	0.16
90.0	0.27	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.27
135.0	0.27	0.21	0.21	0.27	0.21	0.21	0.27	0.21	0.27
180.0	0.21	0.27	0.21	0.21	0.21	0.21	0.16	0.21	0.16
225.0	0.21	0.27	0.21	0.21	0.21	0.21	0.21	0.21	0.16
270.0	0.21	0.16	0.21	0.16	0.16	0.21	0.21	0.21	0.16
315.0	0.21	0.21	0.21	0.16	0.16	0.16	0.16	0.16	0.21
360.0	0.27	0.27	0.21	0.27	0.27	0.27	0.27	0.32	0.32

Intensity data(cd)

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