



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NATA

LumCAT: 2-2641-L

Luminaire: 92.70.412.00

LampCAT: BRIDGELUX V13B LES13

Ballast type: AC

Report No: 20231009-B016

Voltage(V): 34.2000

Test No: 20231009-C016

Current(A): 0.4510

Number of Lamps: 1

Power (W): 15.4240

Lamp flux(lm): 2091.1

PF: 0.0000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1928.39, Efficiency(%): 92.22% , Luminous Efficacy(lm/W): 125.03

Central intensity(cd): 4397.511, Maximum intensity(cd): 4397.511

Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

Beam Angle(50%Imax): [C0/180]Total=36.0

[C90/270]Total=36.0

Field angle(10%Imax): [C0/180]Total=64.6

[C90/270]Total=64.6

Maximum s/h(1/2): C0_180=0.59 C90_270=0.59

Maximum s/h(1/4): C0_180=0.60 C90_270=0.60

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.22%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.977%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4397.511	0.000	0	0.00%	0.00%
1.0	4387.409	4.203	4.203	0.20%	0.22%
2.0	4357.172	12.551	16.754	0.60%	0.87%
3.0	4305.694	20.719	37.473	0.99%	1.94%
4.0	4240.861	28.608	66.081	1.37%	3.43%
5.0	4154.302	36.116	102.197	1.73%	5.30%
6.0	4065.459	43.197	145.394	2.07%	7.54%
7.0	3953.230	49.772	195.166	2.38%	10.12%
8.0	3828.200	55.690	250.856	2.66%	13.01%
9.0	3689.608	60.928	311.784	2.91%	16.17%
10.0	3537.593	65.404	377.187	3.13%	19.56%
11.0	3382.257	69.144	446.331	3.31%	23.15%
12.0	3212.045	72.085	518.416	3.45%	26.88%
13.0	3052.488	74.344	592.76	3.56%	30.74%
14.0	2880.892	75.947	668.707	3.63%	34.68%
15.0	2719.190	76.880	745.587	3.68%	38.66%
16.0	2546.487	77.157	822.744	3.69%	42.66%
17.0	2375.652	76.651	899.395	3.67%	46.64%
18.0	2201.703	75.471	974.866	3.61%	50.55%
19.0	2026.371	73.560	1048.426	3.52%	54.37%
20.0	1852.976	71.003	1119.428	3.40%	58.05%
21.0	1692.450	68.079	1187.508	3.26%	61.58%
22.0	1545.832	65.075	1252.582	3.11%	64.95%
23.0	1388.607	61.572	1314.155	2.94%	68.15%
24.0	1221.190	57.060	1371.214	2.73%	71.11%
25.0	1152.088	53.963	1425.178	2.58%	73.91%
26.0	1054.839	52.095	1477.272	2.49%	76.61%
27.0	948.775	49.019	1526.291	2.34%	79.15%
28.0	840.780	45.308	1571.599	2.17%	81.50%
29.0	733.124	41.178	1612.777	1.97%	83.63%
30.0	642.953	37.154	1649.93	1.78%	85.56%
31.0	547.530	33.129	1683.06	1.58%	87.28%
32.0	467.039	29.066	1712.126	1.39%	88.79%
33.0	386.444	25.144	1737.27	1.20%	90.09%
34.0	316.602	21.276	1758.546	1.02%	91.19%
35.0	258.010	17.845	1776.392	0.85%	92.12%
36.0	223.968	15.346	1791.738	0.73%	92.91%
37.0	162.311	12.598	1804.336	0.60%	93.57%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	112.444	9.171	1813.507	0.44%	94.04%
39.0	90.455	6.925	1820.432	0.33%	94.40%
40.0	78.173	5.881	1826.314	0.28%	94.71%
41.0	70.105	5.280	1831.594	0.25%	94.98%
42.0	63.795	4.865	1836.459	0.23%	95.23%
43.0	58.440	4.528	1840.986	0.22%	95.47%
44.0	53.741	4.234	1845.22	0.20%	95.69%
45.0	49.735	3.977	1849.197	0.19%	95.89%
46.0	46.089	3.747	1852.945	0.18%	96.09%
47.0	42.961	3.542	1856.486	0.17%	96.27%
48.0	39.792	3.345	1859.832	0.16%	96.44%
49.0	37.205	3.162	1862.994	0.15%	96.61%
50.0	34.617	2.994	1865.988	0.14%	96.76%
51.0	32.403	2.835	1868.824	0.14%	96.91%
52.0	30.500	2.699	1871.523	0.13%	97.05%
53.0	28.604	2.571	1874.094	0.12%	97.18%
54.0	27.061	2.453	1876.547	0.12%	97.31%
55.0	25.532	2.348	1878.895	0.11%	97.43%
56.0	24.286	2.251	1881.146	0.11%	97.55%
57.0	23.069	2.165	1883.311	0.10%	97.66%
58.0	22.072	2.087	1885.399	0.10%	97.77%
59.0	21.110	2.019	1887.418	0.10%	97.88%
60.0	20.218	1.952	1889.37	0.09%	97.98%
61.0	19.415	1.891	1891.261	0.09%	98.07%
62.0	18.640	1.834	1893.095	0.09%	98.17%
63.0	17.983	1.781	1894.876	0.09%	98.26%
64.0	17.284	1.731	1896.607	0.08%	98.35%
65.0	16.751	1.684	1898.291	0.08%	98.44%
66.0	16.191	1.644	1899.935	0.08%	98.52%
67.0	15.617	1.599	1901.534	0.08%	98.61%
68.0	15.125	1.557	1903.092	0.07%	98.69%
69.0	14.579	1.515	1904.607	0.07%	98.77%
70.0	14.101	1.473	1906.08	0.07%	98.84%
71.0	13.652	1.434	1907.514	0.07%	98.92%
72.0	13.230	1.398	1908.912	0.07%	98.99%
73.0	12.787	1.360	1910.273	0.07%	99.06%
74.0	12.385	1.323	1911.596	0.06%	99.13%
75.0	11.970	1.287	1912.883	0.06%	99.20%

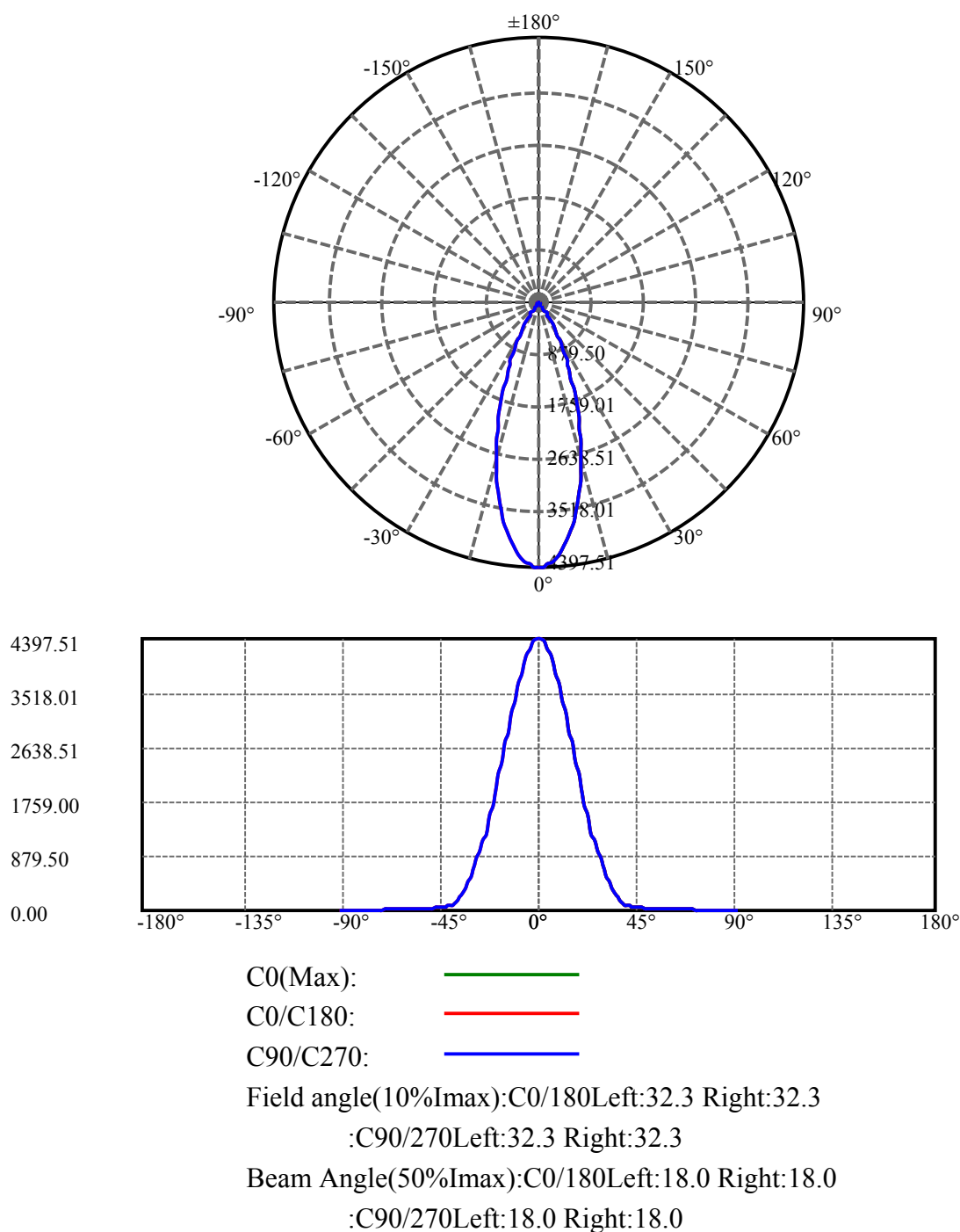
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.576	1.250	1914.133	0.06%	99.26%
77.0	11.216	1.215	1915.348	0.06%	99.32%
78.0	10.849	1.181	1916.529	0.06%	99.39%
79.0	10.496	1.147	1917.676	0.05%	99.44%
80.0	10.164	1.114	1918.79	0.05%	99.50%
81.0	9.832	1.081	1919.871	0.05%	99.56%
82.0	9.507	1.049	1920.92	0.05%	99.61%
83.0	9.189	1.016	1921.936	0.05%	99.67%
84.0	8.926	0.987	1922.923	0.05%	99.72%
85.0	8.697	0.962	1923.885	0.05%	99.77%
86.0	8.504	0.940	1924.825	0.04%	99.82%
87.0	8.289	0.919	1925.744	0.04%	99.86%
88.0	8.102	0.898	1926.642	0.04%	99.91%
89.0	7.943	0.879	1927.522	0.04%	99.96%
90.0	7.853	0.866	1928.388	0.04%	100.00%

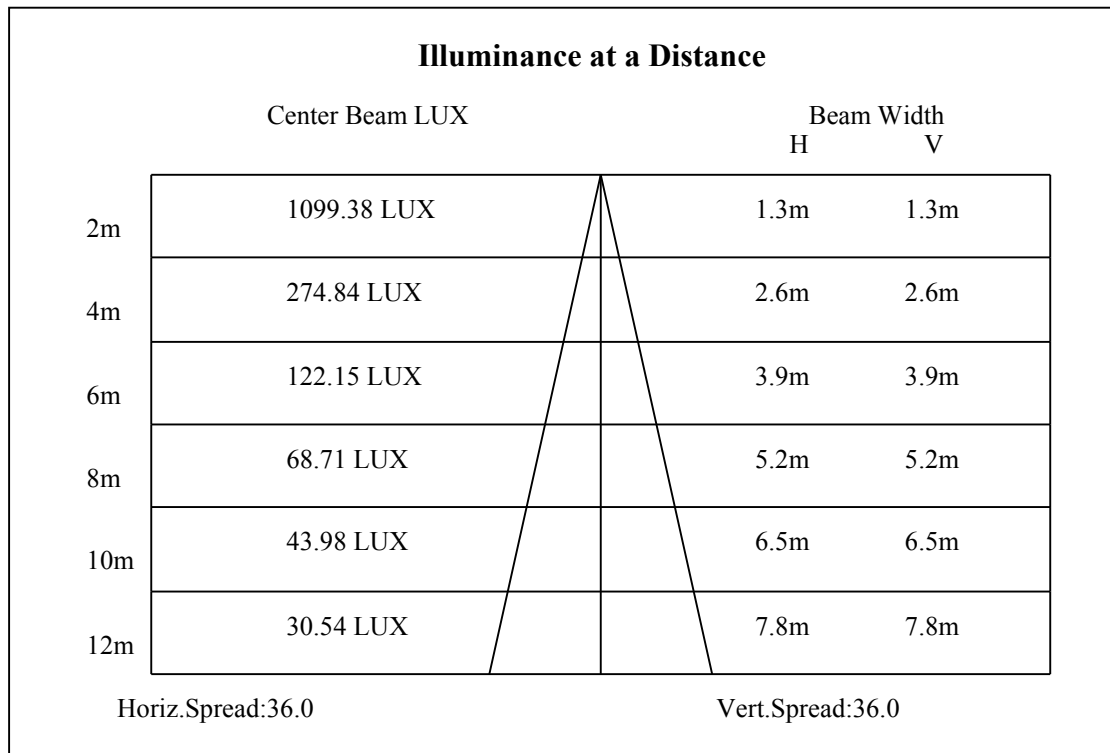
ZONAL LUMEN SUMMARY

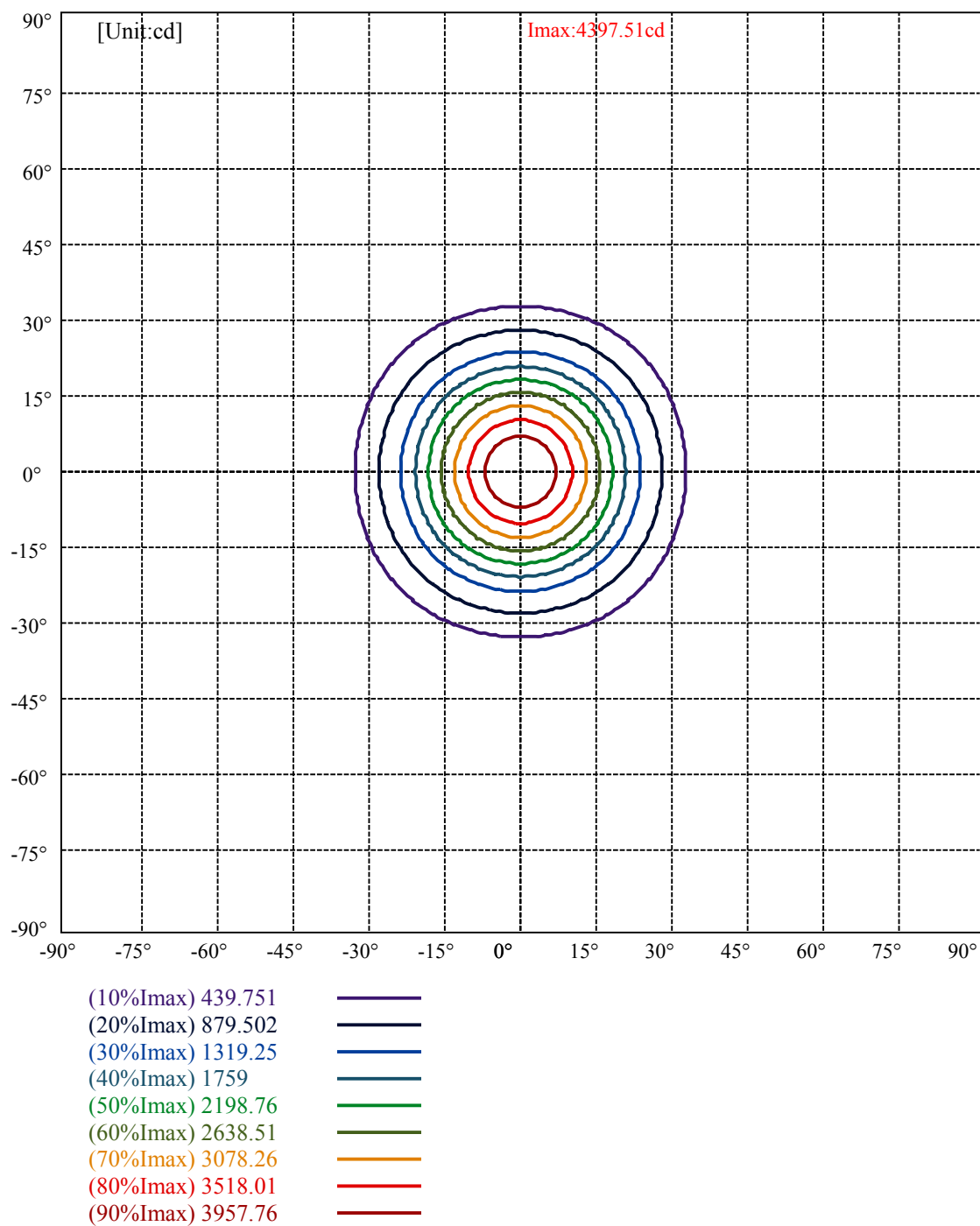
Zone	Lumens	%Lamp	%Fixt
0-30	1649.93	78.90%	85.56%
0-40	1826.31	87.34%	94.71%
0-60	1889.37	90.35%	97.98%
0-90	1927.52	92.18%	99.96%
0-120	1927.52	92.18%	99.96%
0-180	1928.39	92.22%	100.00%
60-90	38.15	1.82%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.36	1542.71	73.77%	80.00%

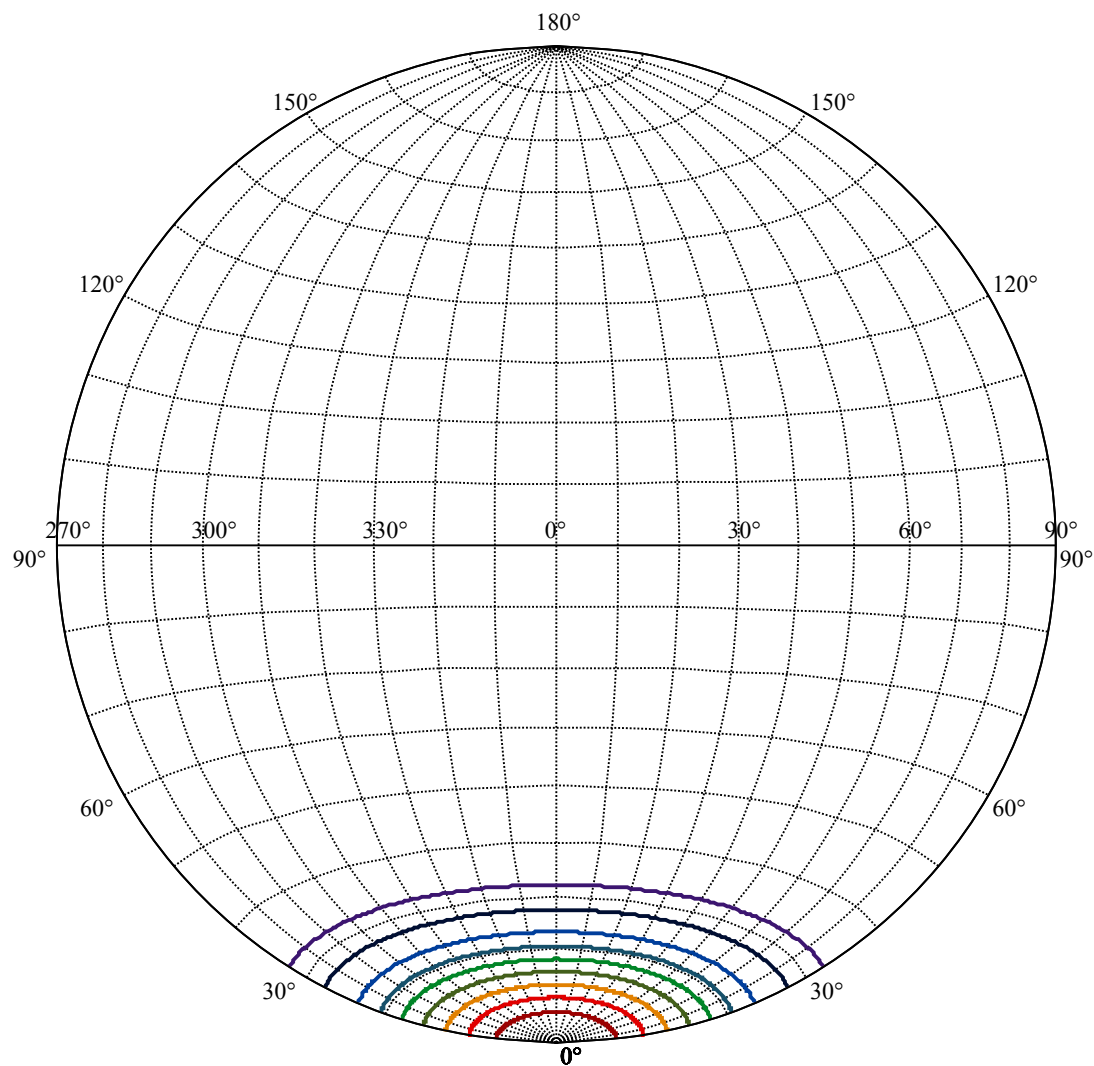
ZONAL LUMEN SUMMARY

0-10	377.19
10-20	742.24
20-30	530.50
30-40	176.38
40-50	39.67
50-60	23.38
60-70	16.71
70-80	12.71
80-90	8.73
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







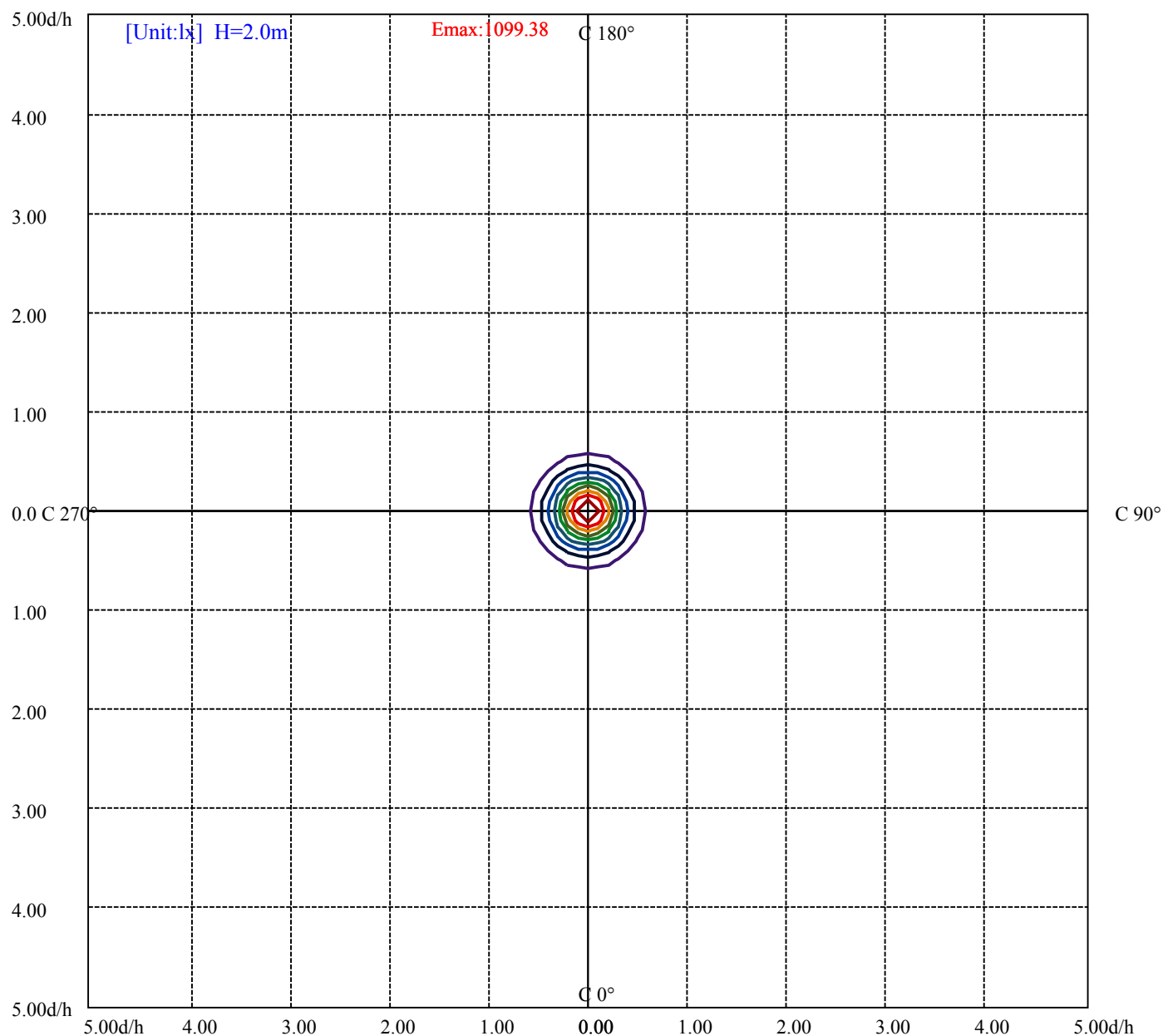


House

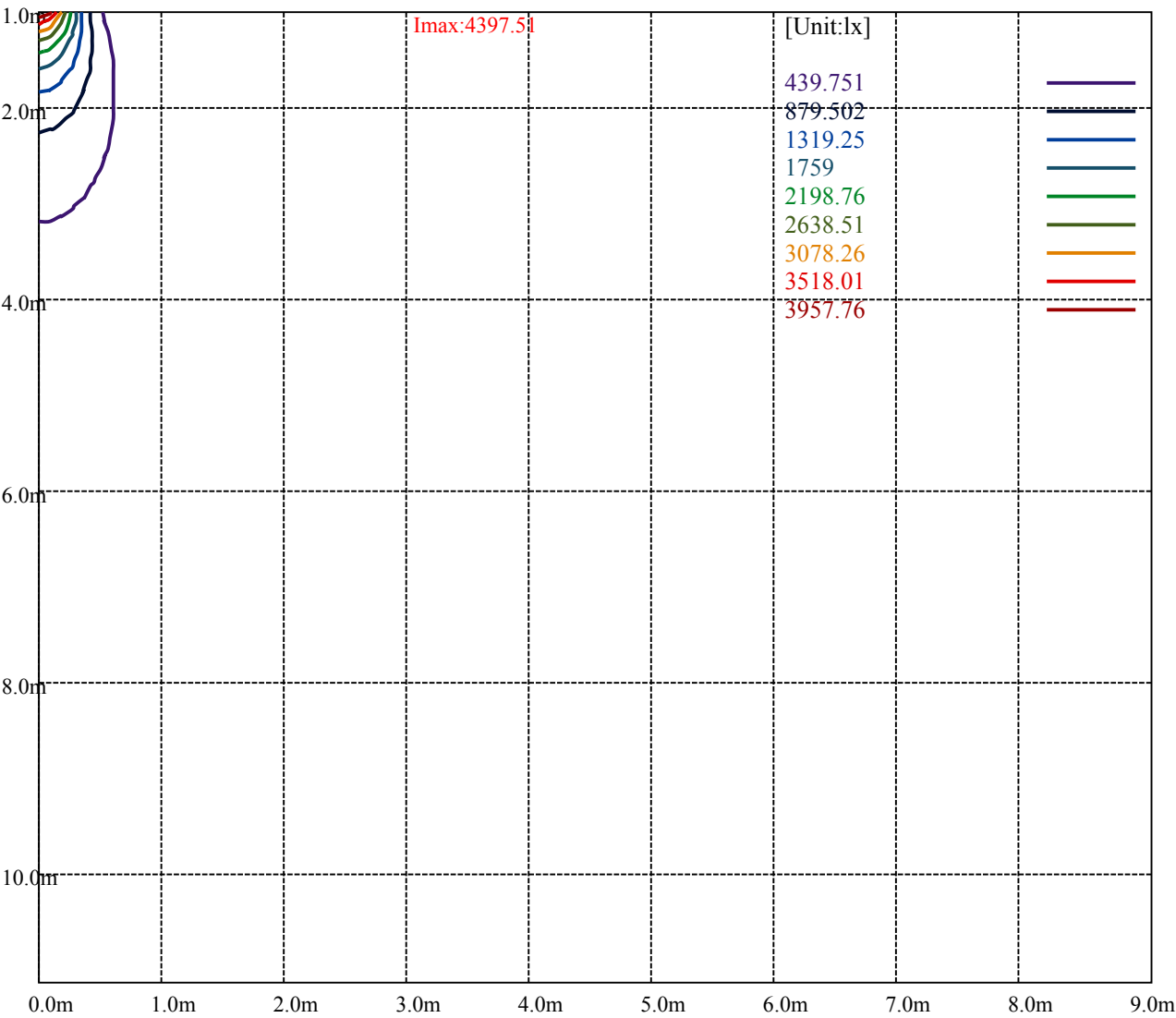
[Unit:cd]

Road

I _{max} :4397.51	
(10%I _{max})	439.751
(20%I _{max})	879.502
(30%I _{max})	1319.25
(40%I _{max})	1759
(50%I _{max})	2198.76
(60%I _{max})	2638.51
(70%I _{max})	3078.26
(80%I _{max})	3518.01
(90%I _{max})	3957.76



(10%Emax)	109.9378	
(20%Emax)	219.8755	
(30%Emax)	329.8125	
(40%Emax)	439.75	
(50%Emax)	549.6875	
(60%Emax)	659.6275	
(70%Emax)	769.565	
(80%Emax)	879.5025	
(90%Emax)	989.44	



Luminance Table

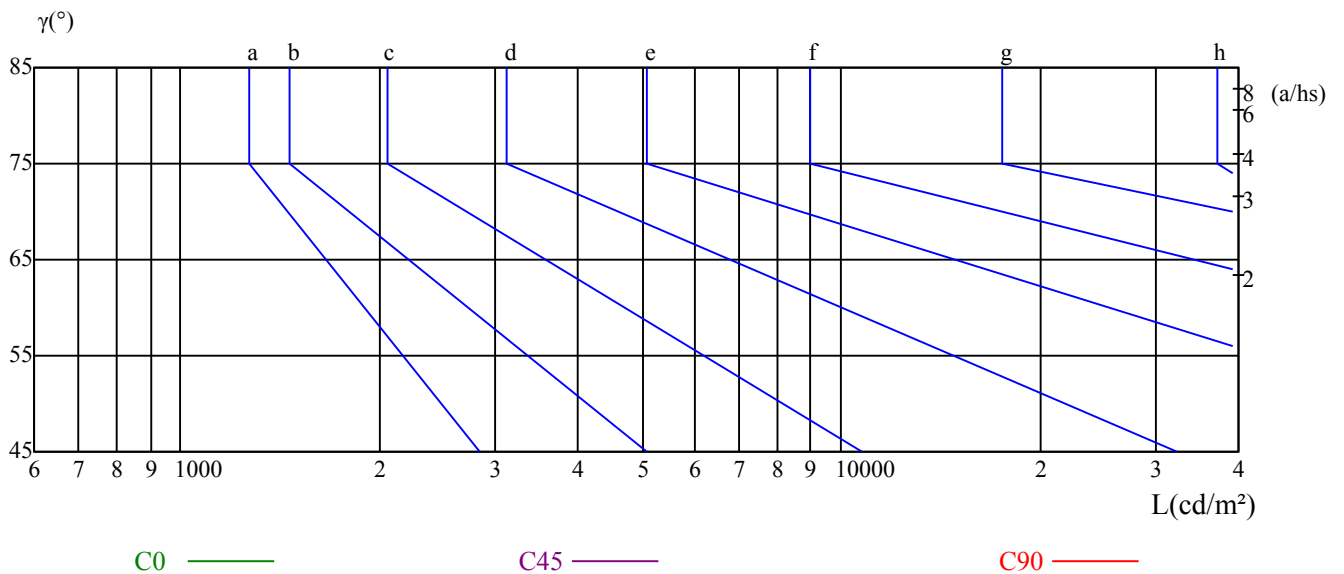
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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	0	0	0

Glare Table

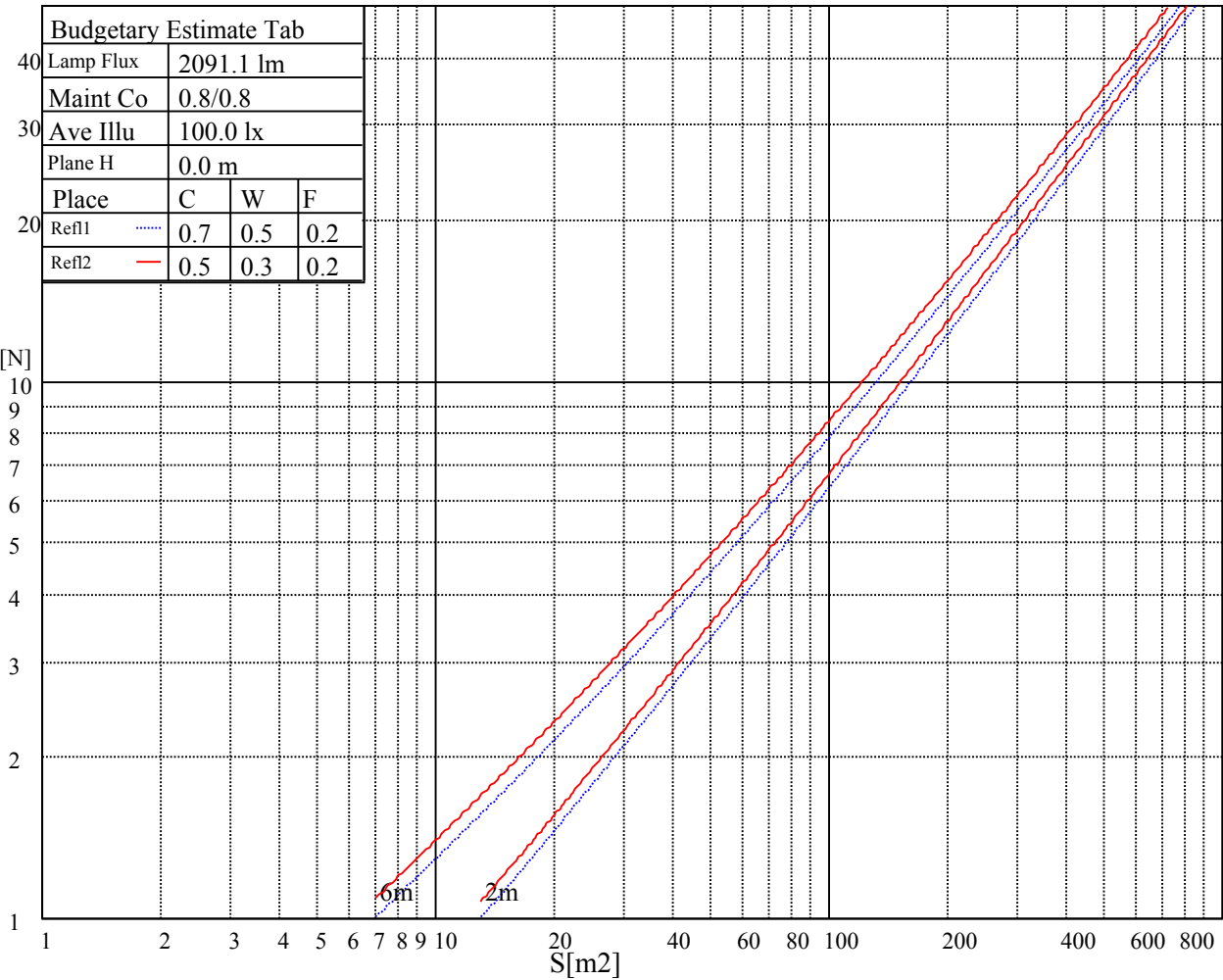
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

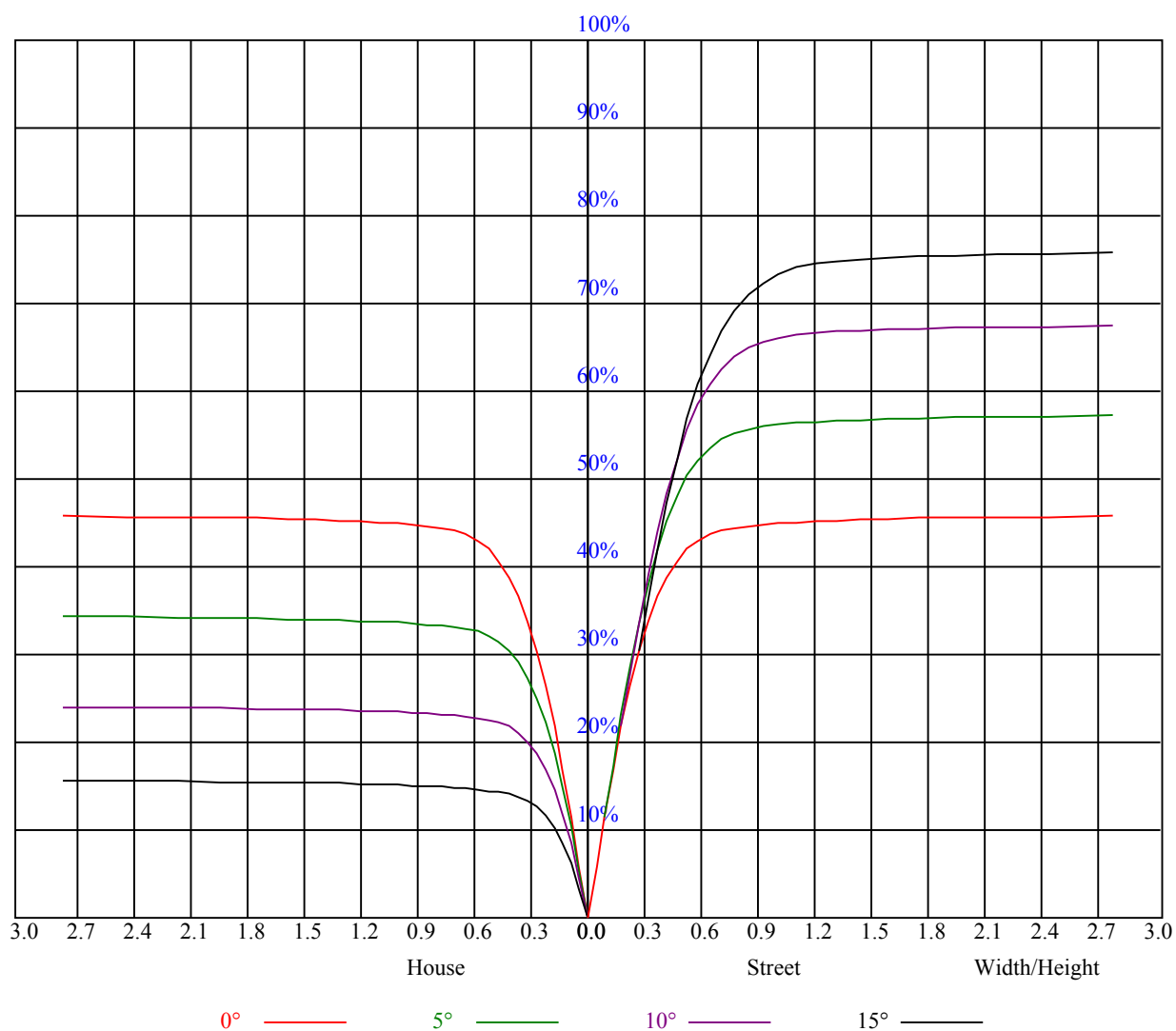


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

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	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.70	0.68	0.67
7	0.74	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
8	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
9	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56



NATA 2-2641-L

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	4378.97	4349.63	4288.19	4200.73	4124.34	4001.46	3899.05	3774.51	3641.66
45.0	4400.00	4399.45	4373.43	4338.56	4262.73	4185.23	4101.65	3978.76	3868.61
90.0	4413.29	4382.84	4348.52	4297.04	4225.08	4139.29	4031.35	3915.66	3788.90
135.0	4397.79	4398.90	4383.95	4339.67	4280.44	4209.59	4138.73	4021.94	3915.10
180.0	4378.97	4406.64	4401.66	4376.20	4334.69	4268.26	4196.85	4113.82	4013.63
225.0	4400.00	4381.18	4346.31	4291.51	4225.08	4129.88	4034.12	3930.05	3775.06
270.0	4413.29	4408.31	4387.82	4339.67	4282.10	4195.19	4111.61	4015.29	3872.48
315.0	4397.79	4372.33	4327.49	4262.17	4192.43	4105.52	4010.31	3875.80	3750.15
360.0	4378.97	4349.63	4288.19	4200.73	4124.34	4001.46	3899.05	3774.51	3641.66
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3462.31	3311.20	3159.53	3002.32	2808.03	2651.94	2490.86	2284.39	2123.86
45.0	3745.72	3577.45	3437.96	3249.20	3097.53	2951.40	2789.77	2585.51	2422.77
90.0	3650.51	3478.92	3325.59	3129.64	2978.52	2826.30	2624.26	2461.52	2298.78
135.0	3788.35	3654.39	3471.17	3329.46	3173.37	2974.09	2816.34	2654.70	2452.11
180.0	3873.04	3750.15	3615.09	3435.74	3284.07	3090.34	2940.33	2786.44	2623.71
225.0	3636.12	3450.13	3304.55	3153.99	3002.32	2817.44	2663.56	2513.55	2358.56
270.0	3747.94	3614.53	3466.74	3275.77	3115.25	2961.36	2805.82	2615.96	2457.09
315.0	3612.87	3463.97	3277.43	3120.23	2960.81	2774.27	2622.60	2469.82	2268.34
360.0	3462.31	3311.20	3159.53	3002.32	2808.03	2651.94	2490.86	2284.39	2123.86
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1963.89	1769.05	1617.38	1482.31	1328.43	1085.82	1085.82	990.77	887.43
45.0	2256.71	2091.20	1887.50	1731.96	1586.38	1422.53	1297.43	1184.51	1058.31
90.0	2093.97	1926.25	1769.60	1616.82	1484.53	1326.22	1080.95	1080.95	984.35
135.0	2287.71	2128.29	1919.61	1765.72	1617.93	1482.31	1326.22	1211.08	1109.23
180.0	2437.16	2263.91	2097.85	1937.32	1742.48	1595.79	1457.96	1329.54	1196.69
225.0	2154.86	1991.57	1831.60	1643.95	1505.56	1380.46	1087.59	1087.59	1041.70
270.0	2311.51	2098.95	1946.18	1755.21	1623.47	1485.64	1331.75	1230.46	1127.50
315.0	2107.81	1941.75	1754.10	1606.31	1477.89	1330.09	1101.81	1101.81	1033.51
360.0	1963.89	1769.05	1617.38	1482.31	1328.43	1085.82	1085.82	990.77	887.43
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	787.24	690.65	584.48	506.71	433.86	366.99	288.89	231.21	180.23
45.0	956.45	853.50	732.83	643.71	559.57	482.07	391.85	325.42	294.43
90.0	880.23	782.53	666.62	581.32	500.84	407.73	339.37	274.94	202.93
135.0	1008.49	879.51	781.54	691.31	586.69	508.64	417.31	349.78	288.34
180.0	1097.05	966.97	866.23	767.15	649.80	563.44	485.95	396.83	333.17
225.0	917.15	816.02	721.64	629.70	523.59	445.26	374.02	309.26	236.75
270.0	1039.49	935.42	808.11	710.68	616.03	526.91	427.83	356.98	296.09
315.0	904.09	801.63	703.54	613.04	509.86	435.25	366.33	288.39	232.15
360.0	787.24	690.65	584.48	506.71	433.86	366.99	288.89	231.21	180.23
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	128.42	98.81	83.58	74.34	67.64	62.16	56.13	52.20	48.55
45.0	294.43	147.24	110.87	89.51	79.93	71.13	65.15	60.06	54.58
90.0	155.77	118.84	94.05	82.26	73.34	66.76	61.72	55.96	52.14
135.0	288.34	163.57	122.55	95.65	81.54	74.51	67.81	62.49	56.68
180.0	287.78	287.78	156.48	119.73	93.16	80.82	71.96	65.48	60.22
225.0	185.71	143.59	102.24	84.30	75.95	67.97	62.00	55.91	51.92
270.0	281.69	209.90	130.80	94.88	80.32	70.63	64.49	58.90	54.47
315.0	169.60	128.75	98.97	82.98	73.51	66.87	61.11	56.52	51.37
360.0	128.42	98.81	83.58	74.34	67.64	62.16	56.13	52.20	48.55

NATA 2-2641-L

Appendix Page: 18 Total:19

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	45.22	41.46	38.80	36.31	34.15	31.55	29.78	28.23	26.46
45.0	50.93	46.61	43.40	40.52	37.86	34.82	32.66	30.72	29.01
90.0	48.43	44.45	41.46	38.14	35.70	33.49	31.50	29.39	27.79
135.0	52.75	49.15	45.83	41.90	39.19	35.98	33.77	31.72	29.45
180.0	54.69	50.98	47.66	43.78	40.96	38.47	35.54	33.38	31.44
225.0	48.43	45.22	41.68	39.02	36.59	34.32	31.77	29.95	28.29
270.0	49.65	46.22	43.18	40.35	37.20	34.93	32.82	30.94	28.67
315.0	47.77	44.62	41.68	38.30	35.98	33.38	31.39	29.67	27.73
360.0	45.22	41.46	38.80	36.31	34.15	31.55	29.78	28.23	26.46
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.19	23.75	22.69	21.75	20.92	19.93	19.21	18.54	17.99
45.0	27.12	25.79	24.52	23.19	22.25	21.31	20.26	19.48	18.60
90.0	26.40	25.08	23.64	22.58	21.64	20.76	19.82	19.10	18.27
135.0	27.84	26.40	25.13	23.75	22.64	21.64	20.76	19.71	18.99
180.0	29.67	27.68	26.29	24.96	23.86	22.58	21.70	20.81	19.82
225.0	26.79	25.13	23.97	22.64	21.70	20.81	19.82	19.10	18.43
270.0	27.18	25.41	24.19	23.08	21.92	21.03	20.20	19.48	18.60
315.0	26.29	25.02	23.86	22.58	21.64	20.81	19.98	19.10	18.43
360.0	25.19	23.75	22.69	21.75	20.92	19.93	19.21	18.54	17.99
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.21	16.66	16.16	15.67	15.06	14.56	13.95	13.51	13.17
45.0	17.93	17.38	16.83	16.16	15.67	15.17	14.67	14.06	13.62
90.0	17.66	16.88	16.33	15.83	15.28	14.78	14.23	13.73	13.34
135.0	18.32	17.49	16.94	16.38	15.72	15.28	14.67	14.23	13.78
180.0	19.10	18.27	17.66	17.10	16.38	15.94	15.44	14.95	14.39
225.0	17.82	17.10	16.61	16.11	15.61	15.06	14.56	14.12	13.62
270.0	17.99	17.44	16.88	16.22	15.78	15.28	14.72	14.28	13.78
315.0	17.82	17.05	16.61	16.05	15.44	14.95	14.39	13.95	13.51
360.0	17.21	16.66	16.16	15.67	15.06	14.56	13.95	13.51	13.17
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.68	12.29	11.90	11.46	11.13	10.79	10.52	10.07	9.80
45.0	13.23	12.68	12.34	11.96	11.51	11.18	10.90	10.46	10.13
90.0	12.95	12.45	12.12	11.73	11.29	10.96	10.52	10.24	9.91
135.0	13.28	12.84	12.45	12.07	11.68	11.35	10.96	10.57	10.24
180.0	13.95	13.51	13.12	12.57	12.18	11.79	11.35	10.96	10.63
225.0	13.23	12.84	12.34	11.96	11.51	11.13	10.79	10.52	10.07
270.0	13.34	12.95	12.51	12.12	11.73	11.40	10.96	10.68	10.35
315.0	13.17	12.73	12.29	11.90	11.57	11.13	10.79	10.46	10.19
360.0	12.68	12.29	11.90	11.46	11.13	10.79	10.52	10.07	9.80
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.47	9.13	8.86	8.69	8.47	8.30	8.08	7.86	7.86
45.0	9.85	9.47	9.13	8.91	8.64	8.47	8.25	8.08	7.80
90.0	9.58	9.30	9.02	8.75	8.52	8.41	8.19	7.97	7.86
135.0	9.91	9.63	9.24	8.97	8.75	8.52	8.30	8.14	7.97
180.0	10.24	9.91	9.52	9.24	8.97	8.69	8.47	8.30	8.14
225.0	9.80	9.47	9.19	8.91	8.69	8.52	8.30	8.14	7.92
270.0	10.02	9.69	9.35	9.02	8.80	8.58	8.41	8.19	8.03
315.0	9.80	9.47	9.19	8.91	8.75	8.52	8.30	8.14	7.97
360.0	9.47	9.13	8.86	8.69	8.47	8.30	8.08	7.86	7.86

Intensity data(cd)

Appendix Page: 19 Total:19

C/ $\gamma(^{\circ})$	90.0
0.0	7.80
45.0	7.80
90.0	7.86
135.0	7.86
180.0	7.92
225.0	7.86
270.0	7.86
315.0	7.86
360.0	7.80