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Nata

Client: NT

LumCAT: 62-0100

Luminaire: 92.70.412.00

Report No: 20261006-B009

Ballast type: DC

Test No: 20261006-C009

LampCAT: CITIZEN CLU038

Lamp flux(lm): 2335.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.690

Current(A): 0.526

Power (W): 18.240

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 2113.90, Efficiency(%): 90.53% , Luminous Efficacy(lm/W): 115.89

Central intensity(cd): 1899.406, Maximum intensity(cd): 1903.638

Angle of maximum intensity: C=45.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=62.8

[C90/270]Total=62.4

Field angle(10%Imax): [C0/180]Total=93.9

[C90/270]Total=94.2

Maximum s/h(1/2): C0_180=1.01 C90_270=1.00

Maximum s/h(1/4): C0_180=0.94 C90_270=0.93

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 90.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.691%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1900.464	0.000	0	0.00%	0.00%
1.0	1900.147	1.819	1.819	0.08%	0.09%
2.0	1896.761	5.450	7.268	0.23%	0.34%
3.0	1893.799	9.066	16.334	0.39%	0.77%
4.0	1890.836	12.668	29.002	0.54%	1.37%
5.0	1886.922	16.252	45.254	0.70%	2.14%
6.0	1883.430	19.814	65.068	0.85%	3.08%
7.0	1878.881	23.353	88.421	1.00%	4.18%
8.0	1875.601	26.870	115.291	1.15%	5.45%
9.0	1871.687	30.370	145.661	1.30%	6.89%
10.0	1865.550	33.821	179.481	1.45%	8.49%
11.0	1858.673	37.213	216.694	1.59%	10.25%
12.0	1848.940	40.530	257.224	1.74%	12.17%
13.0	1838.042	43.755	300.979	1.87%	14.24%
14.0	1824.500	46.880	347.859	2.01%	16.46%
15.0	1808.524	49.876	397.735	2.14%	18.82%
16.0	1779.270	52.571	450.306	2.25%	21.30%
17.0	1752.778	55.003	505.309	2.36%	23.90%
18.0	1719.303	57.247	562.556	2.45%	26.61%
19.0	1693.615	59.378	621.934	2.54%	29.42%
20.0	1654.511	61.280	683.214	2.62%	32.32%
21.0	1610.170	62.688	745.903	2.68%	35.29%
22.0	1563.576	63.778	809.68	2.73%	38.30%
23.0	1510.909	64.511	874.191	2.76%	41.35%
24.0	1452.338	64.787	938.979	2.77%	44.42%
25.0	1394.910	64.740	1003.719	2.77%	47.48%
26.0	1330.816	64.341	1068.06	2.76%	50.53%
27.0	1262.966	63.457	1131.517	2.72%	53.53%
28.0	1194.270	62.212	1193.729	2.66%	56.47%
29.0	1120.179	60.553	1254.282	2.59%	59.33%
30.0	1048.795	58.562	1312.844	2.51%	62.11%
31.0	971.339	56.217	1369.061	2.41%	64.76%
32.0	899.342	53.593	1422.654	2.30%	67.30%
33.0	825.928	50.827	1473.481	2.18%	69.70%
34.0	757.242	47.911	1521.393	2.05%	71.97%
35.0	689.562	44.932	1566.325	1.92%	74.10%
36.0	625.426	41.869	1608.194	1.79%	76.08%
37.0	566.781	38.883	1647.077	1.67%	77.92%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	511.702	35.998	1683.076	1.54%	79.62%
39.0	460.621	33.188	1716.264	1.42%	81.19%
40.0	415.445	30.554	1746.818	1.31%	82.63%
41.0	386.064	28.541	1775.359	1.22%	83.98%
42.0	353.414	26.867	1802.226	1.15%	85.26%
43.0	304.376	24.366	1826.592	1.04%	86.41%
44.0	265.251	21.499	1848.092	0.92%	87.43%
45.0	237.034	19.303	1867.395	0.83%	88.34%
46.0	212.753	17.590	1884.985	0.75%	89.17%
47.0	191.234	16.068	1901.053	0.69%	89.93%
48.0	171.280	14.655	1915.708	0.63%	90.62%
49.0	154.955	13.397	1929.105	0.57%	91.26%
50.0	139.995	12.297	1941.402	0.53%	91.84%
51.0	127.351	11.311	1952.713	0.48%	92.37%
52.0	115.396	10.416	1963.129	0.45%	92.87%
53.0	105.038	9.589	1972.718	0.41%	93.32%
54.0	96.257	8.872	1981.591	0.38%	93.74%
55.0	88.057	8.227	1989.818	0.35%	94.13%
56.0	80.895	7.634	1997.453	0.33%	94.49%
57.0	74.018	7.083	2004.535	0.30%	94.83%
58.0	68.474	6.589	2011.125	0.28%	95.14%
59.0	63.607	6.175	2017.3	0.26%	95.43%
60.0	59.047	5.795	2023.094	0.25%	95.70%
61.0	55.281	5.456	2028.55	0.23%	95.96%
62.0	51.874	5.163	2033.713	0.22%	96.21%
63.0	49.186	4.915	2038.629	0.21%	96.44%
64.0	46.499	4.695	2043.324	0.20%	96.66%
65.0	44.394	4.498	2047.822	0.19%	96.87%
66.0	42.257	4.323	2052.145	0.19%	97.08%
67.0	40.416	4.157	2056.302	0.18%	97.28%
68.0	38.755	4.010	2060.313	0.17%	97.46%
69.0	37.041	3.867	2064.18	0.17%	97.65%
70.0	35.464	3.724	2067.903	0.16%	97.82%
71.0	33.888	3.584	2071.488	0.15%	97.99%
72.0	32.396	3.447	2074.934	0.15%	98.16%
73.0	31.190	3.325	2078.259	0.14%	98.31%
74.0	30.195	3.227	2081.487	0.14%	98.47%
75.0	29.814	3.171	2084.657	0.14%	98.62%

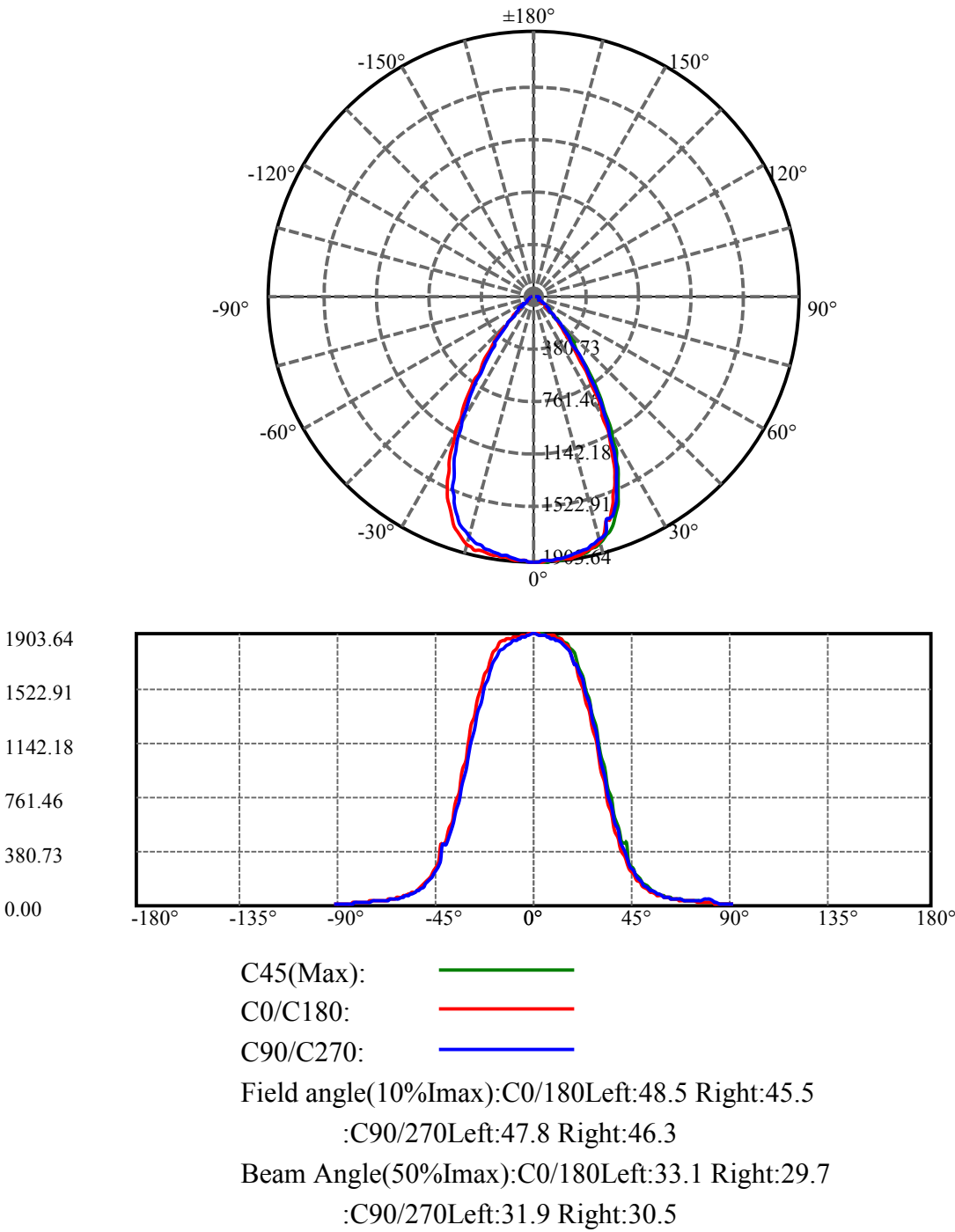
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	29.635	3.156	2087.813	0.14%	98.77%
77.0	28.915	3.122	2090.935	0.13%	98.91%
78.0	27.741	3.033	2093.967	0.13%	99.06%
79.0	26.387	2.908	2096.876	0.12%	99.19%
80.0	24.281	2.732	2099.607	0.12%	99.32%
81.0	21.403	2.471	2102.078	0.11%	99.44%
82.0	19.002	2.191	2104.269	0.09%	99.54%
83.0	16.314	1.920	2106.189	0.08%	99.64%
84.0	13.987	1.651	2107.839	0.07%	99.71%
85.0	11.871	1.411	2109.251	0.06%	99.78%
86.0	9.945	1.192	2110.443	0.05%	99.84%
87.0	8.538	1.012	2111.455	0.04%	99.88%
88.0	7.586	0.883	2112.338	0.04%	99.93%
89.0	7.089	0.804	2113.142	0.03%	99.96%
90.0	6.803	0.762	2113.904	0.03%	100.00%

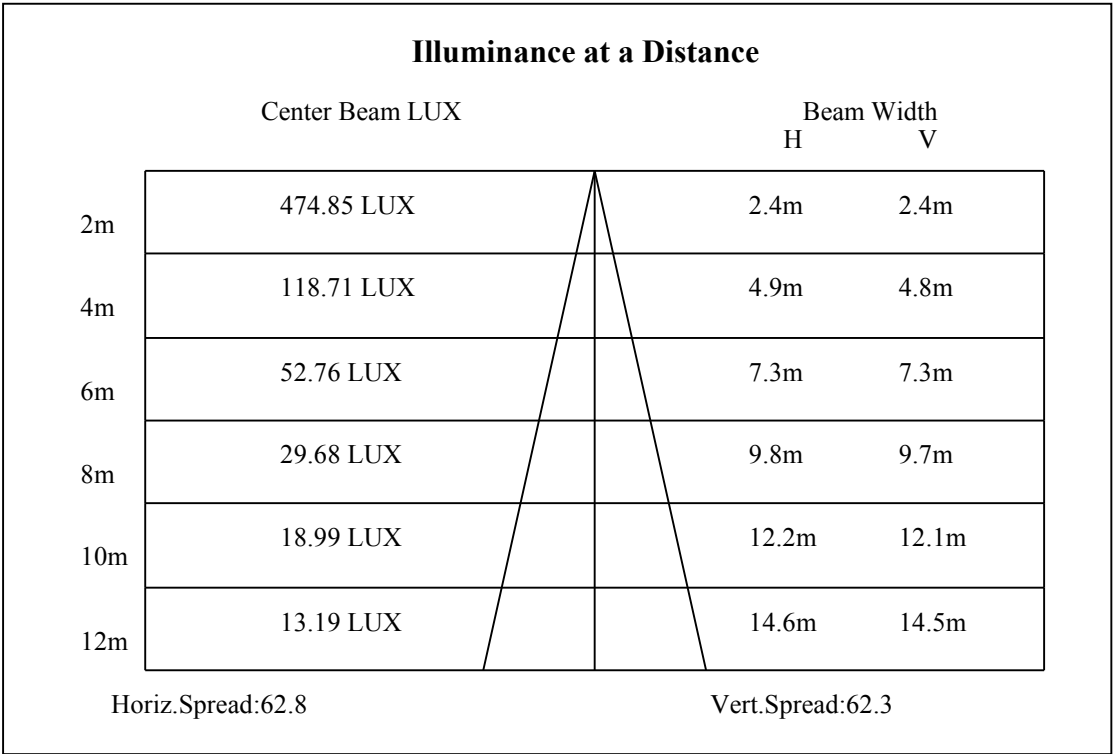
ZONAL LUMEN SUMMARY

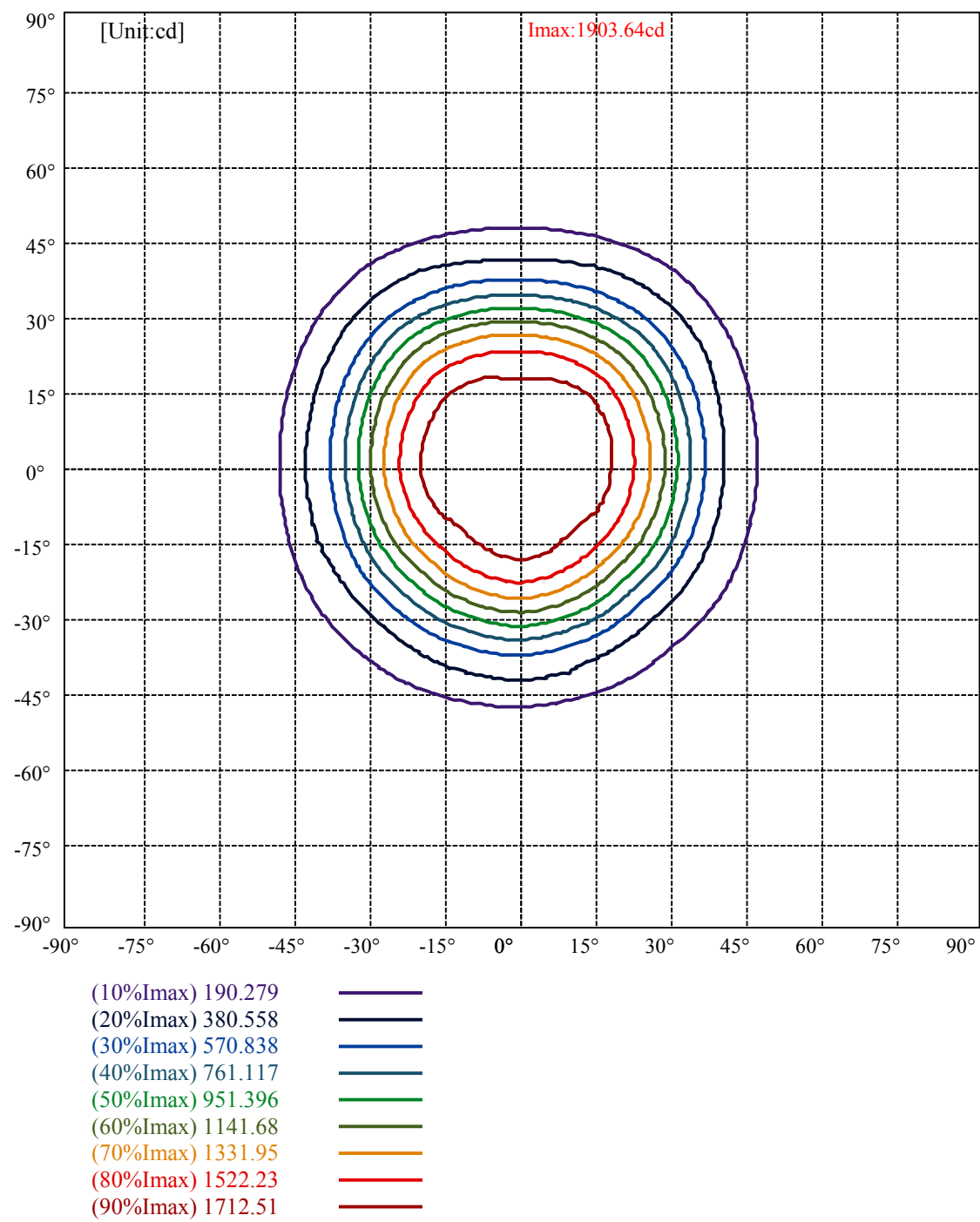
Zone	Lumens	%Lamp	%Fixt
0-30	1312.84	56.22%	62.11%
0-40	1746.82	74.81%	82.63%
0-60	2023.09	86.64%	95.70%
0-90	2113.14	90.50%	99.96%
0-120	2113.14	90.50%	99.96%
0-180	2113.90	90.53%	100.00%
60-90	90.05	3.86%	4.26%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-38.24	1691.12	72.42%	80.00%

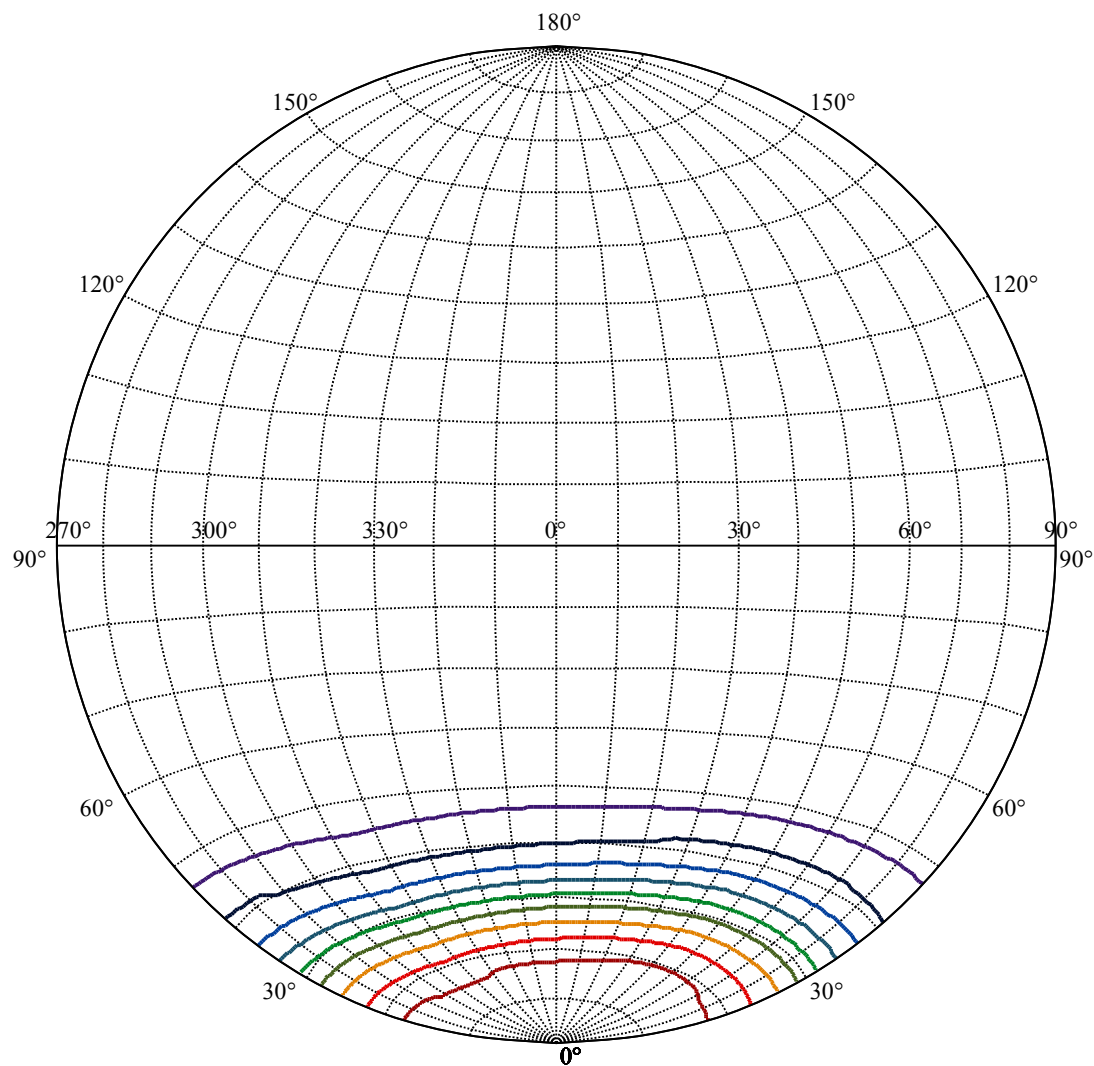
ZONAL LUMEN SUMMARY

0-10	179.48
10-20	503.73
20-30	629.63
30-40	433.97
40-50	194.58
50-60	81.69
60-70	44.81
70-80	31.70
80-90	13.54
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







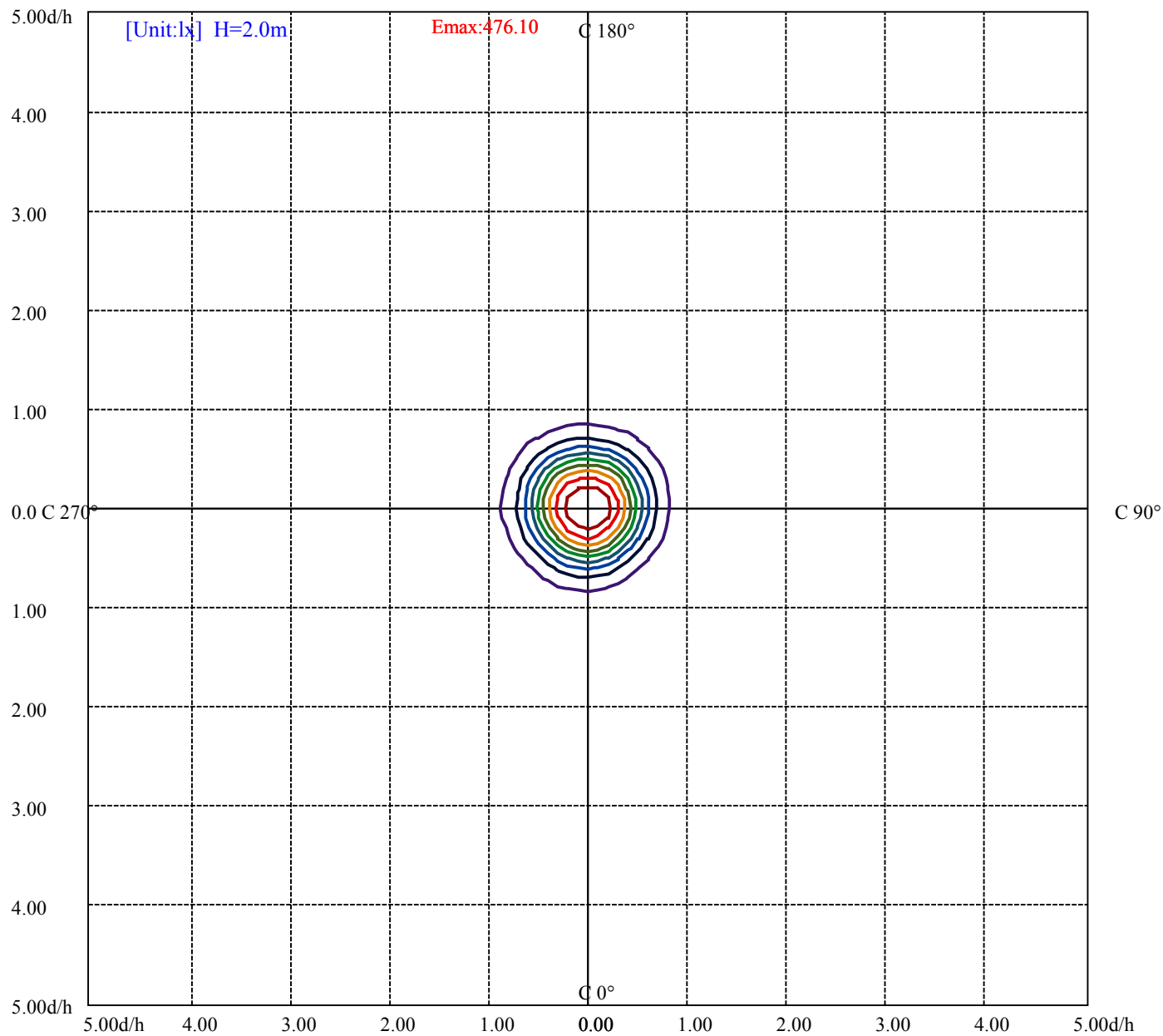


House

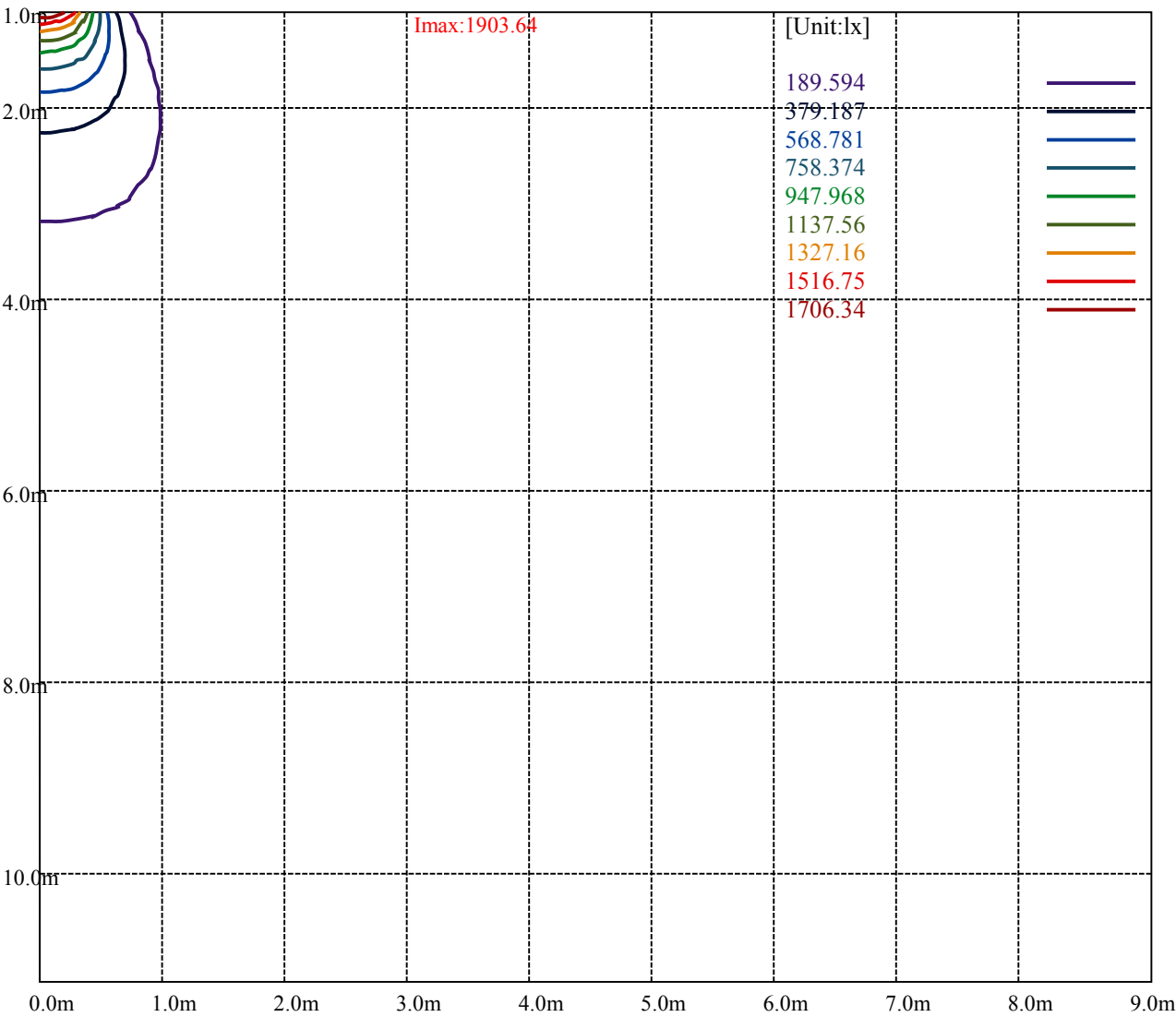
[Unit:cd]

Road

	Imax:1903.64	
(10%Imax)	190.44	—
(20%Imax)	380.88	—
(30%Imax)	571.32	—
(40%Imax)	761.76	—
(50%Imax)	952.2	—
(60%Imax)	1142.64	—
(70%Imax)	1333.08	—
(80%Imax)	1523.52	—
(90%Imax)	1713.96	—



(10%Emax)	47.61	
(20%Emax)	95.22	
(30%Emax)	142.83	
(40%Emax)	190.44	
(50%Emax)	238.05	
(60%Emax)	285.66	
(70%Emax)	333.27	
(80%Emax)	380.88	
(90%Emax)	428.49	



Luminance Table

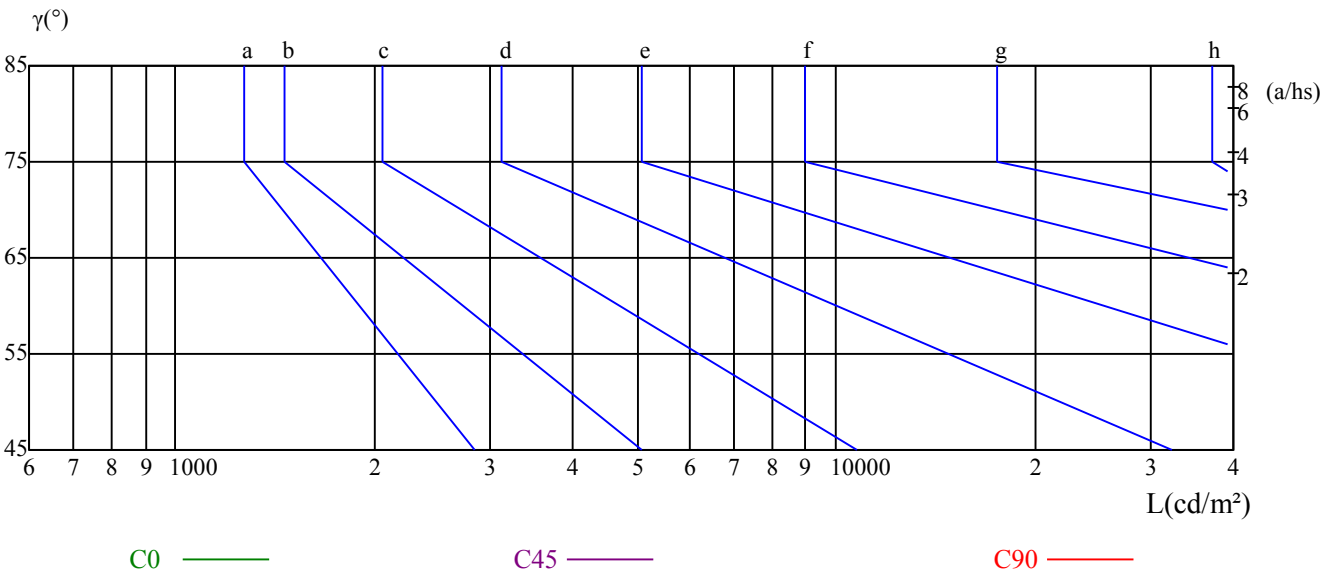
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

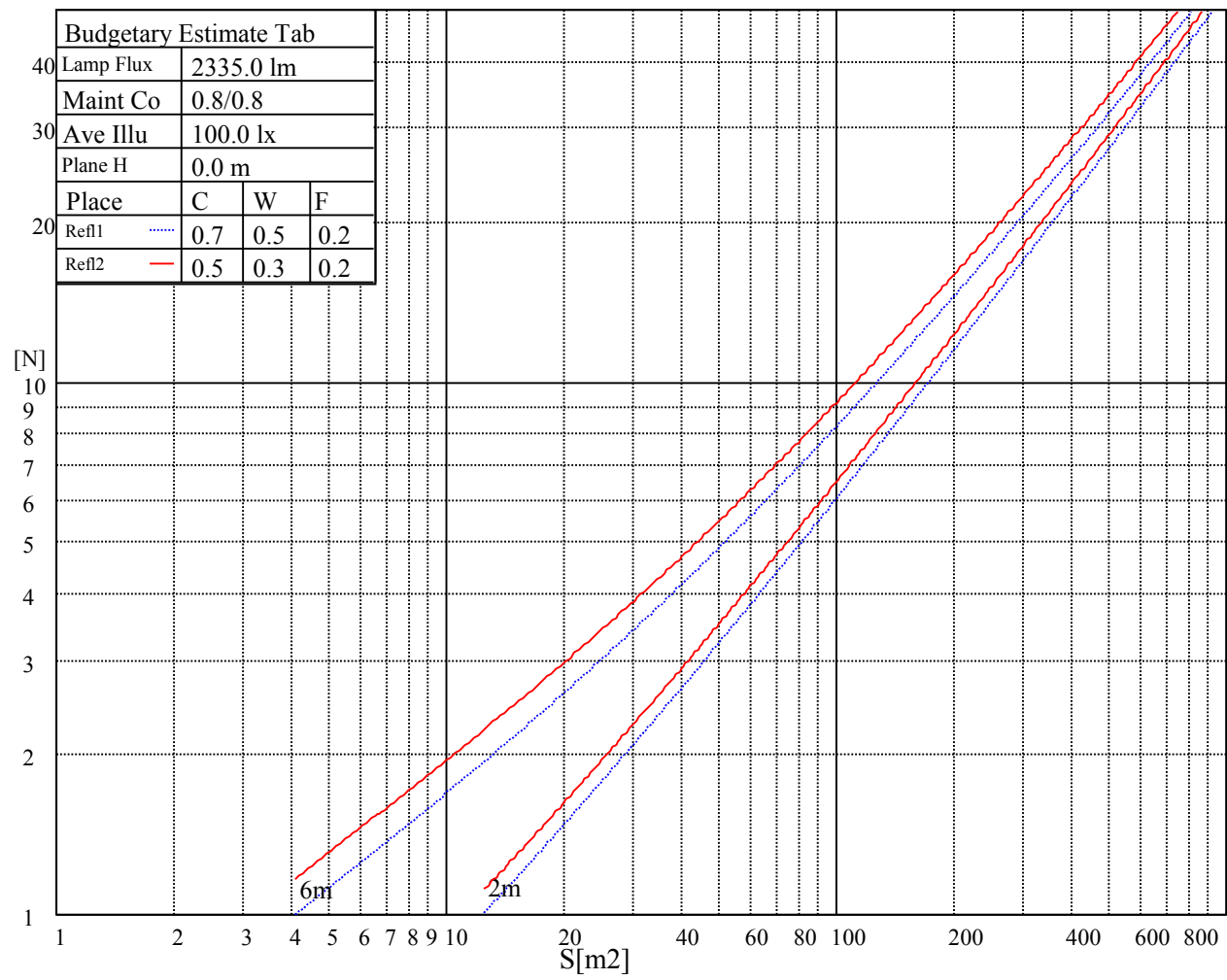
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

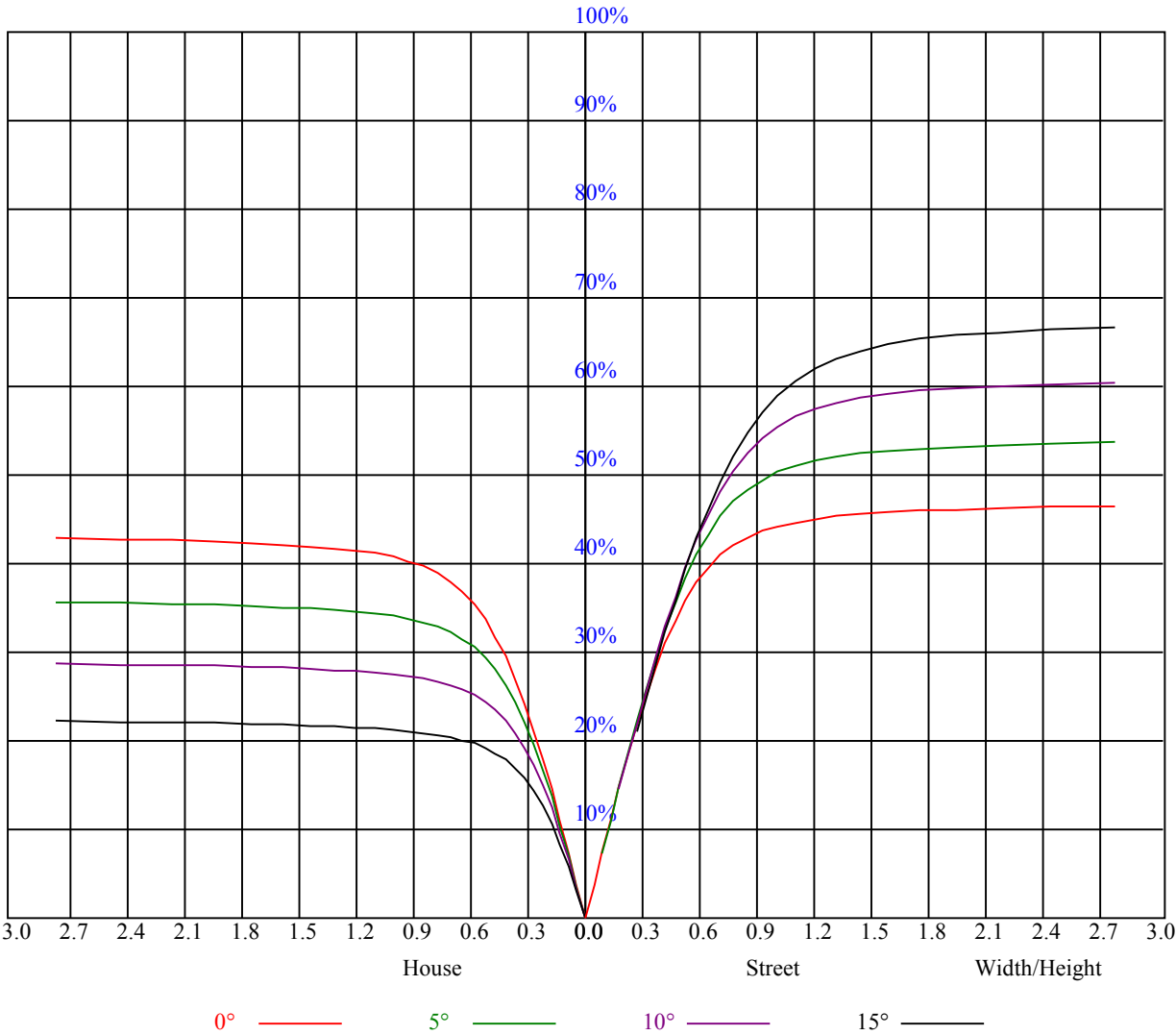


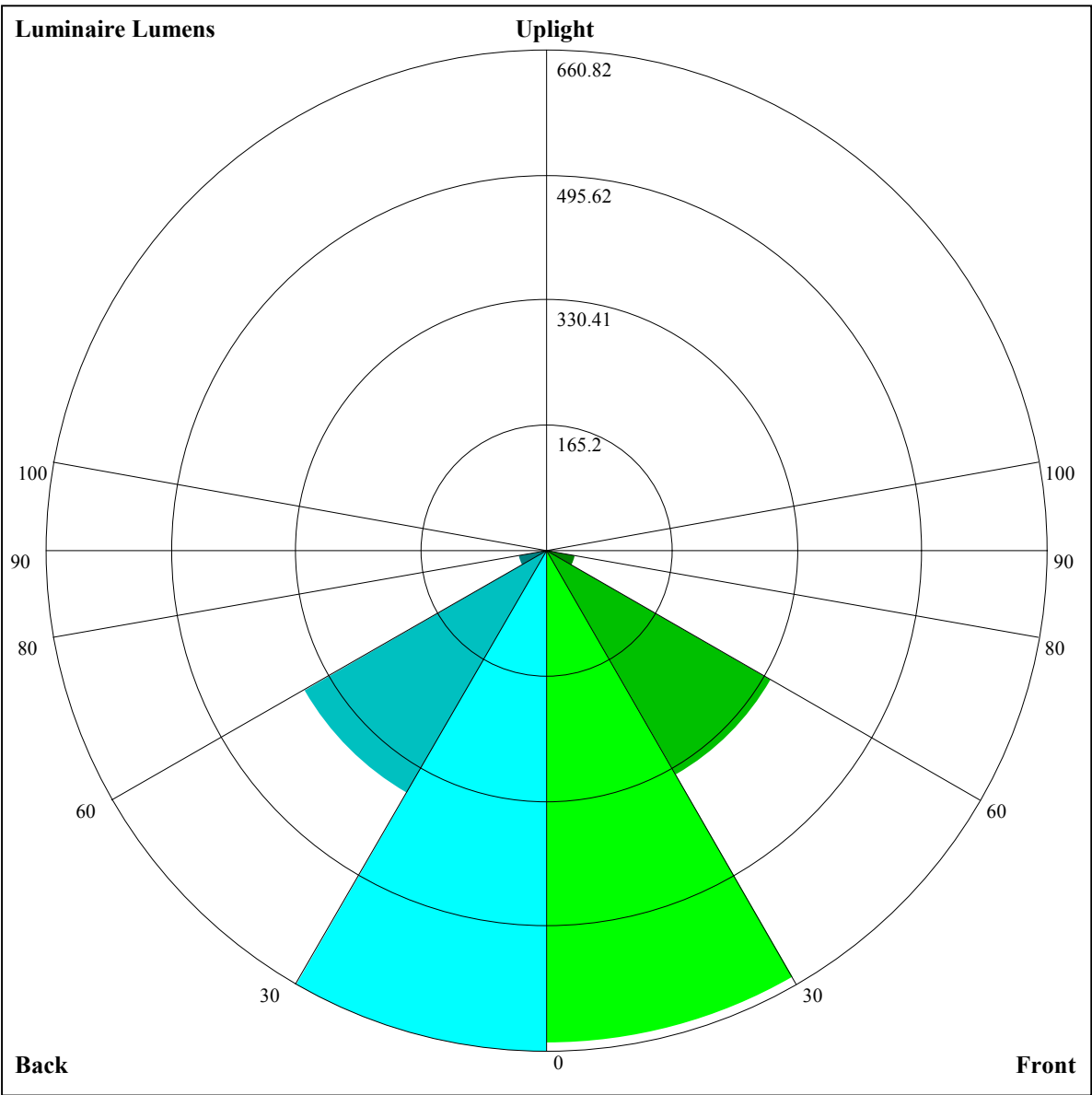
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	0.99	0.96	0.94	0.97	0.95	0.92	0.93	0.91	0.90	0.90	0.88	0.87	0.87	0.85	0.84	0.83
2	0.91	0.87	0.83	0.89	0.86	0.82	0.86	0.83	0.80	0.84	0.81	0.79	0.81	0.79	0.77	0.75
3	0.84	0.79	0.75	0.83	0.78	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.69
4	0.78	0.72	0.68	0.77	0.71	0.67	0.75	0.70	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.63
5	0.72	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.61	0.68	0.64	0.60	0.66	0.63	0.60	0.58
6	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.62	0.59	0.55	0.54
7	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.52	0.50
8	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.48	0.56	0.52	0.48	0.55	0.51	0.48	0.47
9	0.55	0.49	0.46	0.55	0.49	0.45	0.54	0.49	0.45	0.53	0.48	0.45	0.52	0.48	0.45	0.44
10	0.52	0.46	0.43	0.52	0.46	0.42	0.51	0.46	0.42	0.50	0.45	0.42	0.49	0.45	0.42	0.41





Luminaire Lumens:

FL=649.21,FM=341.95,FH=38.27,FVH=7.21

BL=660.82,BM=369.01,BH=38.78,BVH=7.57

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

Appendix Page: 18 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1899.41	1901.10	1899.41	1895.17	1897.71	1894.33	1895.17	1890.94	1893.48
45.0	1900.25	1903.64	1900.25	1900.25	1899.41	1896.87	1897.71	1890.10	1888.40
90.0	1902.79	1901.95	1896.02	1896.87	1891.79	1888.40	1885.86	1877.40	1874.01
135.0	1899.41	1901.10	1902.79	1901.95	1898.56	1894.33	1890.10	1887.56	1882.48
180.0	1899.41	1900.25	1898.56	1896.02	1890.94	1886.71	1883.32	1879.94	1875.71
225.0	1900.25	1896.87	1893.48	1885.86	1881.63	1874.01	1867.24	1863.01	1857.09
270.0	1902.79	1901.95	1896.02	1890.10	1882.48	1878.25	1867.24	1864.70	1860.47
315.0	1899.41	1894.33	1887.56	1884.17	1884.17	1882.48	1880.79	1877.40	1873.17
360.0	1899.41	1901.10	1899.41	1895.17	1897.71	1894.33	1895.17	1890.94	1893.48
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1889.25	1881.63	1874.01	1863.01	1851.16	1835.93	1819.00	1793.61	1759.75
45.0	1885.86	1882.48	1877.40	1868.09	1857.09	1847.78	1831.69	1813.07	1793.61
90.0	1871.48	1862.16	1854.55	1841.85	1829.16	1819.00	1802.92	1787.68	1767.37
135.0	1880.79	1876.55	1871.48	1861.32	1854.55	1843.54	1831.69	1816.46	1799.53
180.0	1874.86	1871.48	1870.63	1865.55	1862.16	1851.16	1840.16	1824.92	1796.99
225.0	1850.32	1843.54	1836.77	1828.31	1814.77	1798.68	1779.22	1755.52	1684.08
270.0	1851.16	1847.78	1835.93	1826.62	1813.07	1798.68	1786.84	1757.21	1735.20
315.0	1869.78	1858.78	1848.62	1836.77	1822.38	1801.22	1776.68	1685.69	1685.69
360.0	1889.25	1881.63	1874.01	1863.01	1851.16	1835.93	1819.00	1793.61	1759.75
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1686.88	1686.88	1636.85	1589.29	1530.29	1477.39	1420.01	1364.74	1289.66
45.0	1769.06	1736.05	1695.42	1652.26	1610.78	1563.39	1502.44	1448.28	1374.64
90.0	1686.11	1686.11	1666.14	1628.14	1585.90	1525.97	1475.28	1419.33	1359.32
135.0	1779.22	1757.21	1724.20	1692.88	1657.34	1616.71	1561.69	1515.14	1461.82
180.0	1774.14	1741.98	1706.43	1655.64	1615.02	1569.31	1519.37	1452.51	1394.11
225.0	1684.08	1647.01	1607.06	1564.66	1507.27	1455.81	1390.55	1330.63	1267.74
270.0	1708.12	1669.19	1632.79	1580.31	1537.15	1483.82	1415.27	1358.56	1297.62
315.0	1666.82	1624.50	1567.19	1518.19	1464.86	1394.87	1334.10	1270.11	1201.63
360.0	1686.88	1686.88	1636.85	1589.29	1530.29	1477.39	1420.01	1364.74	1289.66
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1225.33	1158.04	1093.38	1003.41	933.49	862.23	778.10	714.78	650.88
45.0	1318.78	1256.14	1172.35	1104.64	1036.92	968.37	883.73	816.86	752.53
90.0	1283.06	1217.46	1131.98	1062.91	993.93	907.51	837.51	772.17	694.30
135.0	1408.49	1338.24	1274.76	1213.82	1128.34	1061.47	975.14	904.89	838.02
180.0	1329.78	1267.15	1184.20	1110.56	1022.54	953.13	882.88	796.55	730.53
225.0	1187.92	1119.53	1050.81	980.89	898.45	833.96	769.80	709.96	637.76
270.0	1234.98	1152.04	1083.48	1013.23	944.67	862.57	799.09	736.45	661.12
315.0	1115.39	1045.56	970.48	900.91	812.37	745.51	681.18	606.28	551.34
360.0	1225.33	1158.04	1093.38	1003.41	933.49	862.23	778.10	714.78	650.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	577.92	525.45	475.34	418.63	376.99	339.83	306.65	269.92	243.76
45.0	676.36	617.11	560.40	507.08	445.29	435.13	435.13	318.08	286.84
90.0	633.87	578.43	527.39	465.35	421.93	380.80	344.65	304.37	274.49
135.0	755.07	690.75	626.42	566.33	501.15	452.91	430.06	430.06	326.71
180.0	669.59	596.80	541.78	492.69	446.98	425.82	425.82	314.27	282.61
225.0	584.27	532.22	474.32	430.56	390.19	344.74	311.05	280.92	247.32
270.0	606.11	552.78	490.15	446.14	426.67	426.67	319.77	288.54	258.74
315.0	500.22	440.72	397.81	358.20	314.35	282.61	254.17	228.87	201.53
360.0	577.92	525.45	475.34	418.63	376.99	339.83	306.65	269.92	243.76

Intensity data(cd)

Appendix Page: 19 Total:20

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	220.23	199.24	176.56	161.07	147.10	132.21	120.95	108.76	99.96
45.0	259.08	228.78	206.94	187.14	166.49	151.42	138.13	126.28	112.91
90.0	247.91	218.88	198.48	175.46	160.14	145.67	133.39	119.60	109.78
135.0	285.32	257.39	224.89	202.63	183.08	162.09	147.19	134.32	120.53
180.0	248.84	224.63	202.54	178.76	162.25	147.87	131.45	120.19	110.29
225.0	223.62	202.12	182.99	162.17	147.19	133.90	121.97	109.19	100.13
270.0	228.95	205.59	186.80	168.18	149.98	135.93	123.66	110.54	101.40
315.0	182.31	165.39	150.66	134.83	123.41	110.88	102.08	94.29	85.32
360.0	220.23	199.24	176.56	161.07	147.10	132.21	120.95	108.76	99.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	91.92	83.12	76.77	70.84	65.93	61.53	56.71	53.49	50.61
45.0	103.60	95.05	87.18	78.80	72.62	67.29	61.62	57.72	53.49
90.0	100.72	92.60	83.62	76.94	71.01	64.75	60.43	56.71	52.65
135.0	110.62	101.91	93.78	84.72	78.12	72.28	67.03	61.53	57.56
180.0	99.11	91.33	84.47	78.21	71.10	66.10	61.70	57.81	53.49
225.0	91.92	83.03	76.68	69.49	64.66	60.35	55.78	52.48	49.77
270.0	93.10	83.96	77.45	70.34	65.26	60.77	56.96	52.82	49.94
315.0	79.05	73.47	67.20	62.80	59.08	55.78	52.14	49.68	47.48
360.0	91.92	83.12	76.77	70.84	65.93	61.53	56.71	53.49	50.61
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	47.65	45.37	43.50	41.14	39.53	38.00	36.23	34.70	33.26
45.0	50.61	48.08	45.79	43.42	41.64	40.03	38.43	36.56	35.13
90.0	50.02	47.48	45.03	43.17	41.47	40.03	38.09	36.48	35.04
135.0	54.08	50.53	47.99	45.28	43.34	41.47	39.78	37.83	36.40
180.0	50.70	47.40	45.37	43.42	41.05	39.36	37.83	36.31	34.45
225.0	47.31	44.69	42.74	40.88	39.27	37.33	35.80	34.45	32.59
270.0	47.48	45.20	43.25	41.05	39.44	37.75	35.97	34.45	32.67
315.0	45.62	43.25	41.47	39.70	37.58	36.06	34.19	32.92	31.57
360.0	47.65	45.37	43.50	41.14	39.53	38.00	36.23	34.70	33.26
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	31.32	29.88	28.52	27.17	25.48	24.21	23.02	21.84	20.31
45.0	33.86	32.16	30.81	29.62	28.02	26.83	25.22	23.78	22.43
90.0	33.60	31.82	30.56	32.84	38.17	42.49	47.06	48.41	43.59
135.0	34.87	33.43	31.57	30.22	28.78	27.42	25.73	24.38	22.85
180.0	33.01	31.49	30.05	28.27	26.92	25.73	24.29	23.36	22.34
225.0	31.15	29.71	27.93	27.25	26.92	25.98	24.55	23.02	21.50
270.0	31.23	29.79	27.93	26.58	25.22	23.95	22.43	21.24	20.23
315.0	30.13	31.23	34.19	36.56	37.58	34.70	29.62	25.05	20.99
360.0	31.32	29.88	28.52	27.17	25.48	24.21	23.02	21.84	20.31
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.13	17.18	14.98	13.12	11.09	9.40	7.96	7.28	6.94
45.0	21.08	19.38	17.44	15.49	13.46	11.43	9.56	8.21	7.45
90.0	33.86	27.34	19.89	16.34	13.97	10.92	9.23	7.79	7.19
135.0	21.58	20.57	18.87	17.10	14.98	13.03	10.92	9.23	7.96
180.0	20.82	19.21	16.76	14.90	12.44	10.24	8.72	7.45	7.11
225.0	18.96	16.76	15.15	12.36	10.07	8.38	7.45	6.94	6.69
270.0	18.37	16.59	14.64	12.53	10.50	8.80	7.53	7.03	6.77
315.0	17.44	14.98	12.78	10.07	8.46	7.36	6.94	6.77	6.60
360.0	19.13	17.18	14.98	13.12	11.09	9.40	7.96	7.28	6.94

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	6.86
45.0	7.11
90.0	6.86
135.0	7.11
180.0	6.69
225.0	6.69
270.0	6.60
315.0	6.52
360.0	6.86