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Nata

Client: NT

LumCAT: 62-0100-1

Luminaire: 92.70.412.00

Report No: 20261006-B008

Ballast type: DC

Test No: 20261006-C008

LampCAT: CITIZEN CLU038

Lamp flux(lm): 2335.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.650

Current(A): 0.526

Power (W): 18.220

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1989.82, Efficiency(%): 85.22% , Luminous Efficacy(lm/W): 109.21

Central intensity(cd): 1791.067, Maximum intensity(cd): 1802.070

Angle of maximum intensity: C=45.0 γ =5.0

Beam Angle(50%Imax): [C0/180]Total=61.0

[C90/270]Total=60.4

Field angle(10%Imax): [C0/180]Total=98.0

[C90/270]Total=98.2

Maximum s/h(1/2): C0_180=0.94 C90_270=0.95

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

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.25%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.076%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1795.299	0.000	0	0.00%	0.00%
1.0	1794.876	1.718	1.718	0.07%	0.09%
2.0	1793.289	5.150	6.868	0.22%	0.35%
3.0	1791.702	8.574	15.442	0.37%	0.78%
4.0	1787.787	11.982	27.424	0.51%	1.38%
5.0	1784.402	15.367	42.791	0.66%	2.15%
6.0	1779.006	18.727	61.518	0.80%	3.09%
7.0	1772.340	22.043	83.561	0.94%	4.20%
8.0	1764.829	25.315	108.876	1.08%	5.47%
9.0	1751.709	28.500	137.375	1.22%	6.90%
10.0	1737.522	31.576	168.952	1.35%	8.49%
11.0	1727.661	34.624	203.576	1.48%	10.23%
12.0	1707.443	37.551	241.127	1.61%	12.12%
13.0	1686.304	40.275	281.402	1.72%	14.14%
14.0	1666.445	42.915	324.317	1.84%	16.30%
15.0	1643.508	45.441	369.757	1.95%	18.58%
16.0	1613.704	47.727	417.484	2.04%	20.98%
17.0	1581.181	49.753	467.237	2.13%	23.48%
18.0	1544.066	51.529	518.766	2.21%	26.07%
19.0	1506.074	53.066	571.832	2.27%	28.74%
20.0	1464.738	54.374	626.206	2.33%	31.47%
21.0	1420.376	55.400	681.606	2.37%	34.25%
22.0	1372.660	56.127	737.733	2.40%	37.08%
23.0	1319.654	56.492	794.225	2.42%	39.91%
24.0	1266.754	56.548	850.774	2.42%	42.76%
25.0	1210.902	56.336	907.11	2.41%	45.59%
26.0	1155.569	55.861	962.971	2.39%	48.39%
27.0	1095.982	55.085	1018.056	2.36%	51.16%
28.0	1033.052	53.903	1071.958	2.31%	53.87%
29.0	976.259	52.569	1124.527	2.25%	56.51%
30.0	919.688	51.190	1175.718	2.19%	59.09%
31.0	861.794	49.576	1225.294	2.12%	61.58%
32.0	807.698	47.829	1273.123	2.05%	63.98%
33.0	754.523	46.024	1319.146	1.97%	66.29%
34.0	702.184	44.084	1363.231	1.89%	68.51%
35.0	650.903	42.022	1405.252	1.80%	70.62%
36.0	602.838	39.919	1445.172	1.71%	72.63%
37.0	554.678	37.752	1482.923	1.62%	74.53%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	511.659	35.593	1518.516	1.52%	76.31%
39.0	468.472	33.455	1551.971	1.43%	78.00%
40.0	430.109	31.339	1583.31	1.34%	79.57%
41.0	401.056	29.597	1612.908	1.27%	81.06%
42.0	369.803	28.007	1640.914	1.20%	82.47%
43.0	330.858	25.955	1666.869	1.11%	83.77%
44.0	293.754	23.575	1690.443	1.01%	84.95%
45.0	266.764	21.541	1711.985	0.92%	86.04%
46.0	242.557	19.918	1731.903	0.85%	87.04%
47.0	220.085	18.400	1750.304	0.79%	87.96%
48.0	200.057	16.984	1767.288	0.73%	88.82%
49.0	180.960	15.647	1782.935	0.67%	89.60%
50.0	164.593	14.407	1797.342	0.62%	90.33%
51.0	149.347	13.282	1810.624	0.57%	90.99%
52.0	136.069	12.247	1822.872	0.52%	91.61%
53.0	123.596	11.295	1834.167	0.48%	92.18%
54.0	112.455	10.404	1844.571	0.45%	92.70%
55.0	102.869	9.612	1854.183	0.41%	93.18%
56.0	93.358	8.867	1863.05	0.38%	93.63%
57.0	85.624	8.183	1871.233	0.35%	94.04%
58.0	78.758	7.602	1878.835	0.33%	94.42%
59.0	72.769	7.084	1885.919	0.30%	94.78%
60.0	67.331	6.619	1892.538	0.28%	95.11%
61.0	62.560	6.199	1898.736	0.27%	95.42%
62.0	58.581	5.837	1904.574	0.25%	95.72%
63.0	54.889	5.519	1910.092	0.24%	95.99%
64.0	51.736	5.232	1915.324	0.22%	96.26%
65.0	48.890	4.980	1920.304	0.21%	96.51%
66.0	46.182	4.743	1925.048	0.20%	96.74%
67.0	43.854	4.527	1929.575	0.19%	96.97%
68.0	41.537	4.326	1933.901	0.19%	97.19%
69.0	39.569	4.138	1938.038	0.18%	97.40%
70.0	37.538	3.960	1941.998	0.17%	97.60%
71.0	35.750	3.788	1945.786	0.16%	97.79%
72.0	34.015	3.628	1949.414	0.16%	97.97%
73.0	32.703	3.489	1952.903	0.15%	98.14%
74.0	31.655	3.383	1956.286	0.14%	98.31%
75.0	30.872	3.304	1959.59	0.14%	98.48%

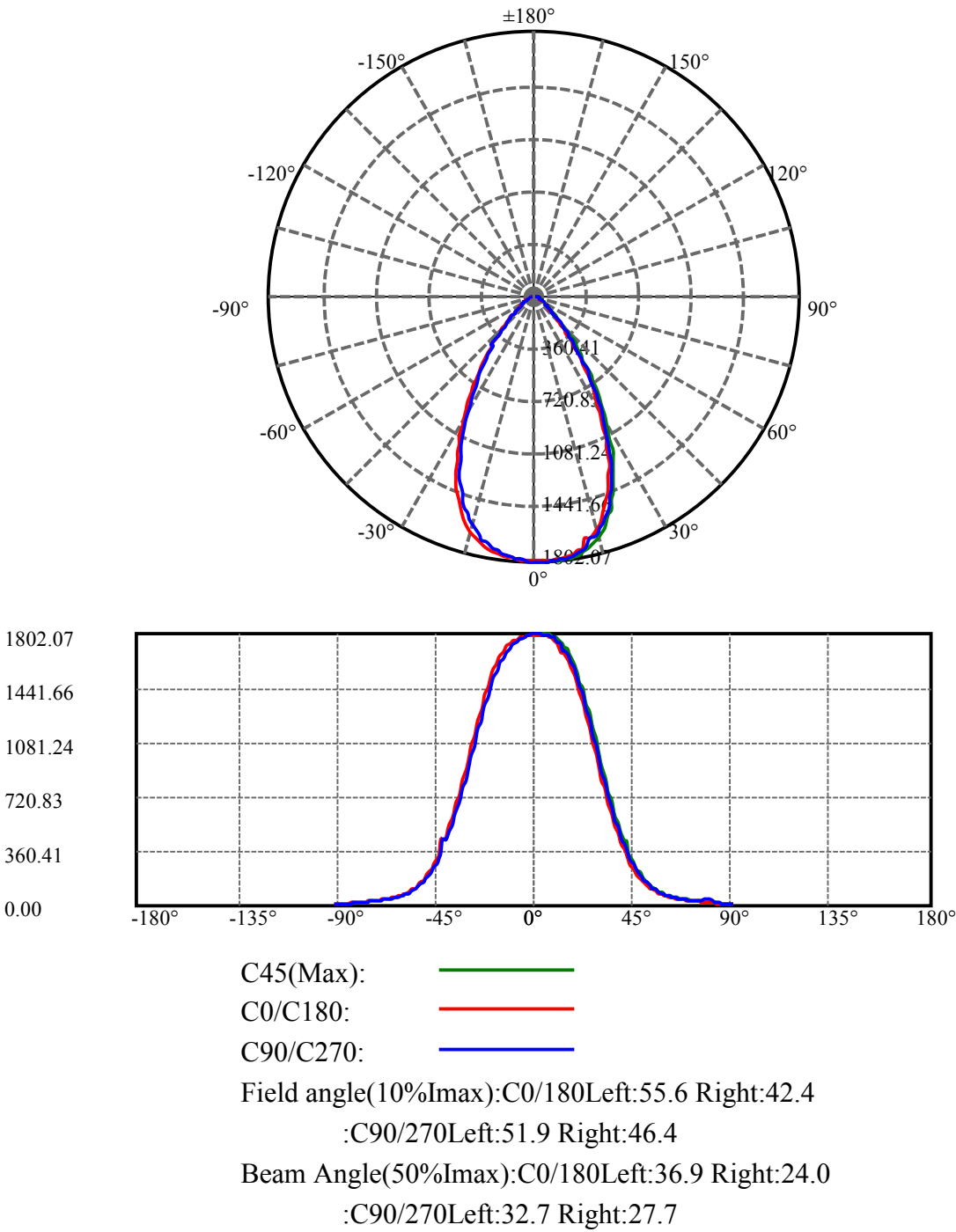
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	30.396	3.252	1962.842	0.14%	98.64%
77.0	29.645	3.201	1966.043	0.14%	98.81%
78.0	28.079	3.090	1969.133	0.13%	98.96%
79.0	26.535	2.934	1972.068	0.13%	99.11%
80.0	24.482	2.750	1974.818	0.12%	99.25%
81.0	21.922	2.509	1977.328	0.11%	99.37%
82.0	19.425	2.242	1979.57	0.10%	99.48%
83.0	16.981	1.979	1981.549	0.08%	99.58%
84.0	14.706	1.726	1983.275	0.07%	99.67%
85.0	12.654	1.493	1984.768	0.06%	99.75%
86.0	10.770	1.280	1986.049	0.05%	99.81%
87.0	9.353	1.101	1987.15	0.05%	99.87%
88.0	8.305	0.967	1988.117	0.04%	99.91%
89.0	7.702	0.877	1988.995	0.04%	99.96%
90.0	7.353	0.825	1989.82	0.04%	100.00%

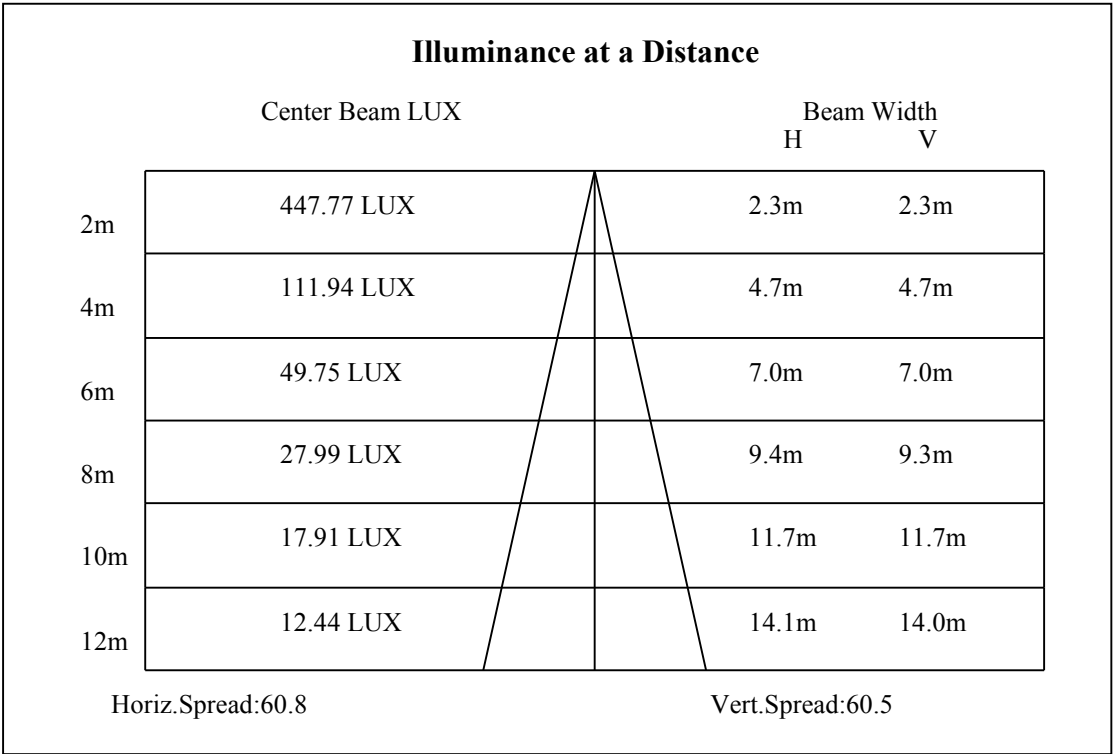
ZONAL LUMEN SUMMARY

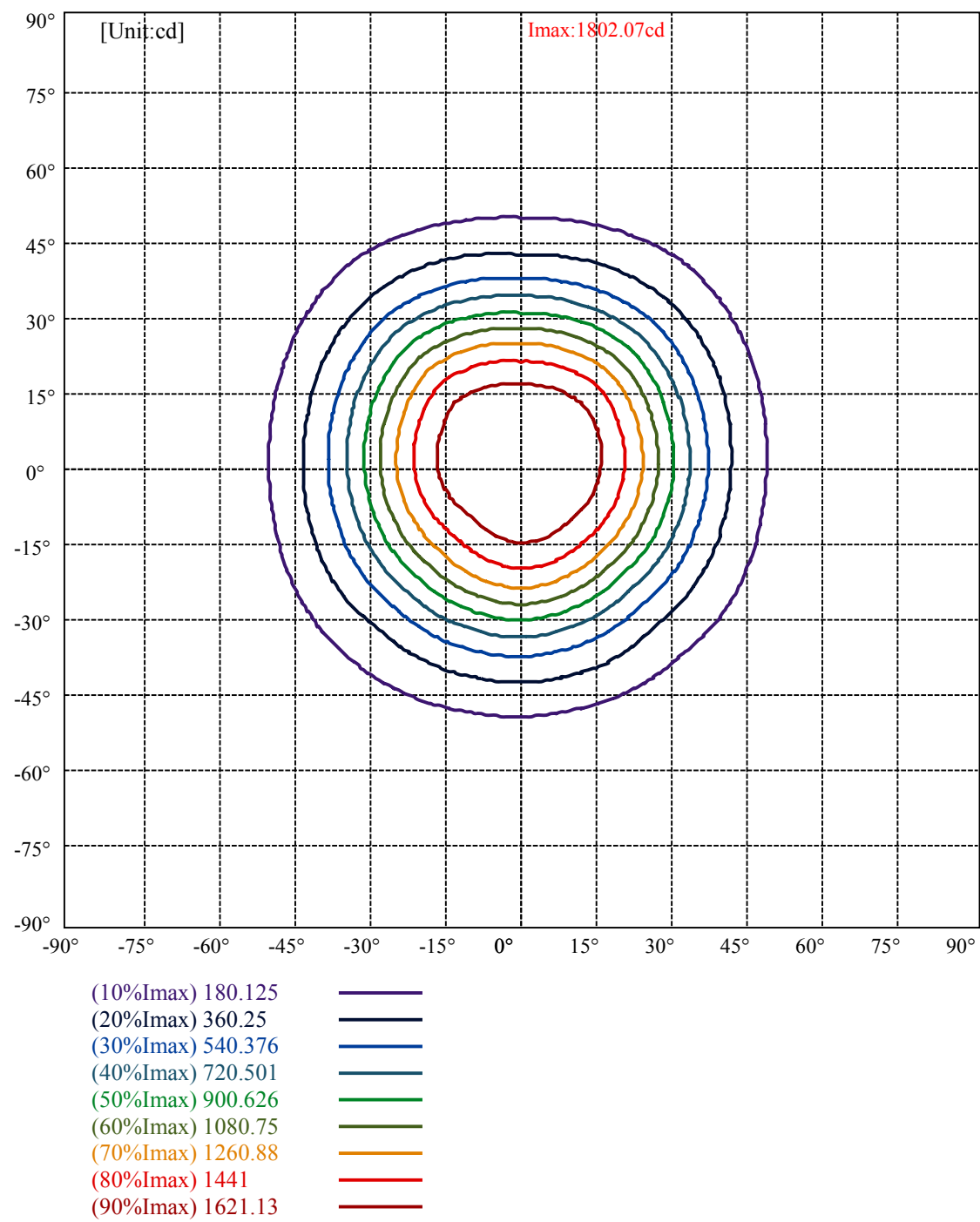
Zone	Lumens	%Lamp	%Fixt
0-30	1175.72	50.35%	59.09%
0-40	1583.31	67.81%	79.57%
0-60	1892.54	81.05%	95.11%
0-90	1988.99	85.18%	99.96%
0-120	1988.99	85.18%	99.96%
0-180	1989.82	85.22%	100.00%
60-90	96.46	4.13%	4.85%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-40.29	1591.86	68.17%	80.00%

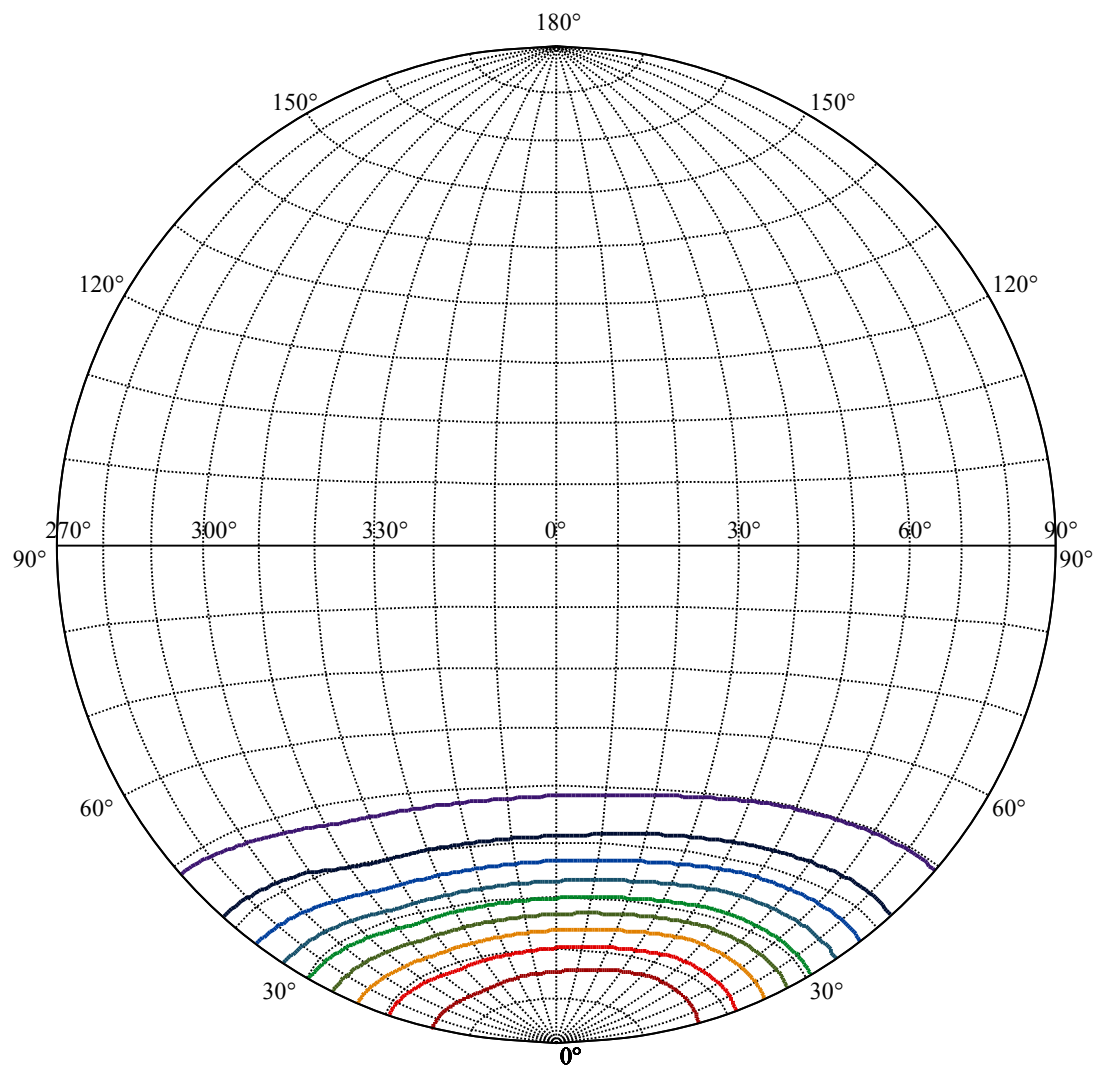
ZONAL LUMEN SUMMARY

0-10	168.95
10-20	457.25
20-30	549.51
30-40	407.59
40-50	214.03
50-60	95.20
60-70	49.46
70-80	32.82
80-90	14.18
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







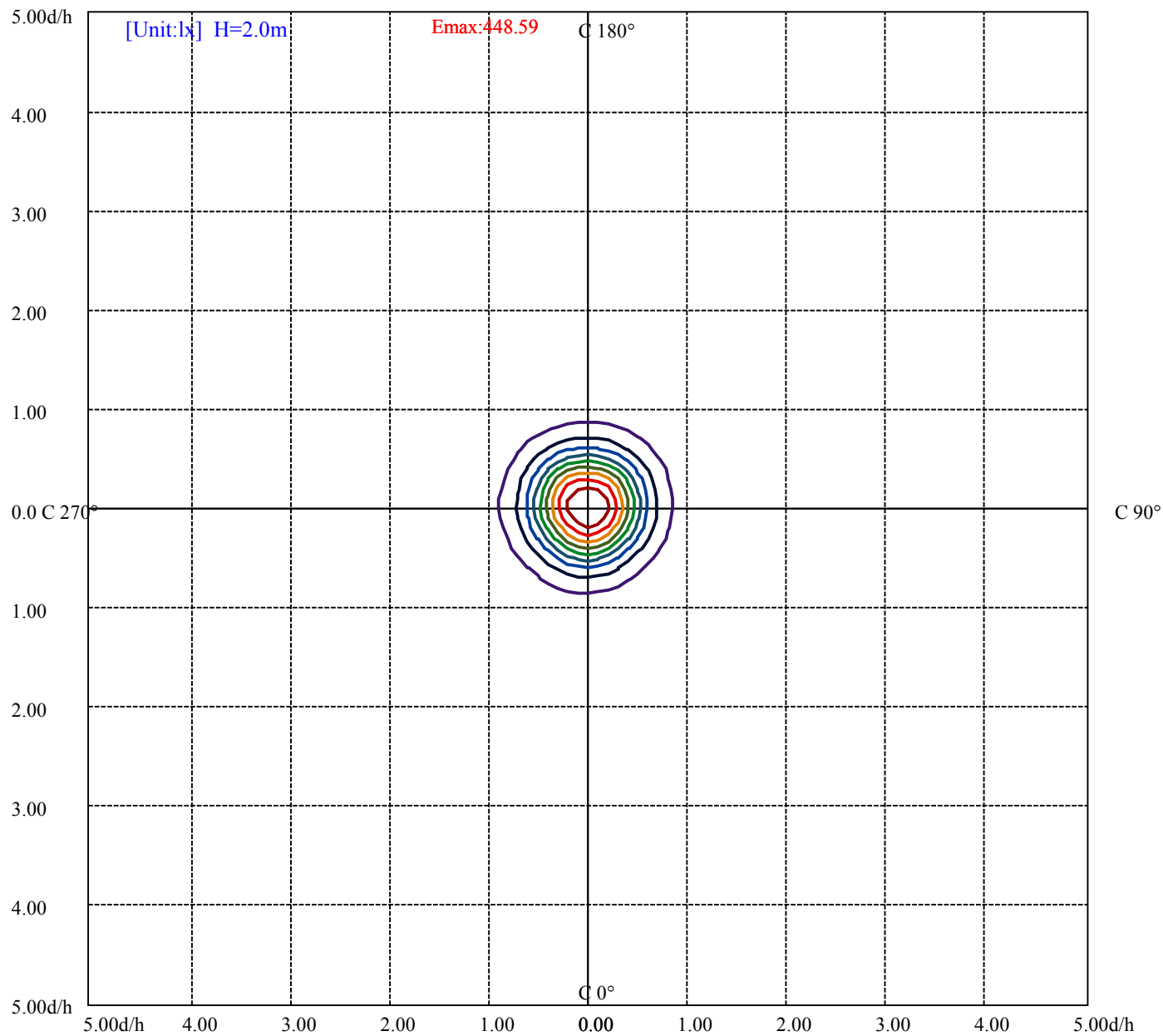


House

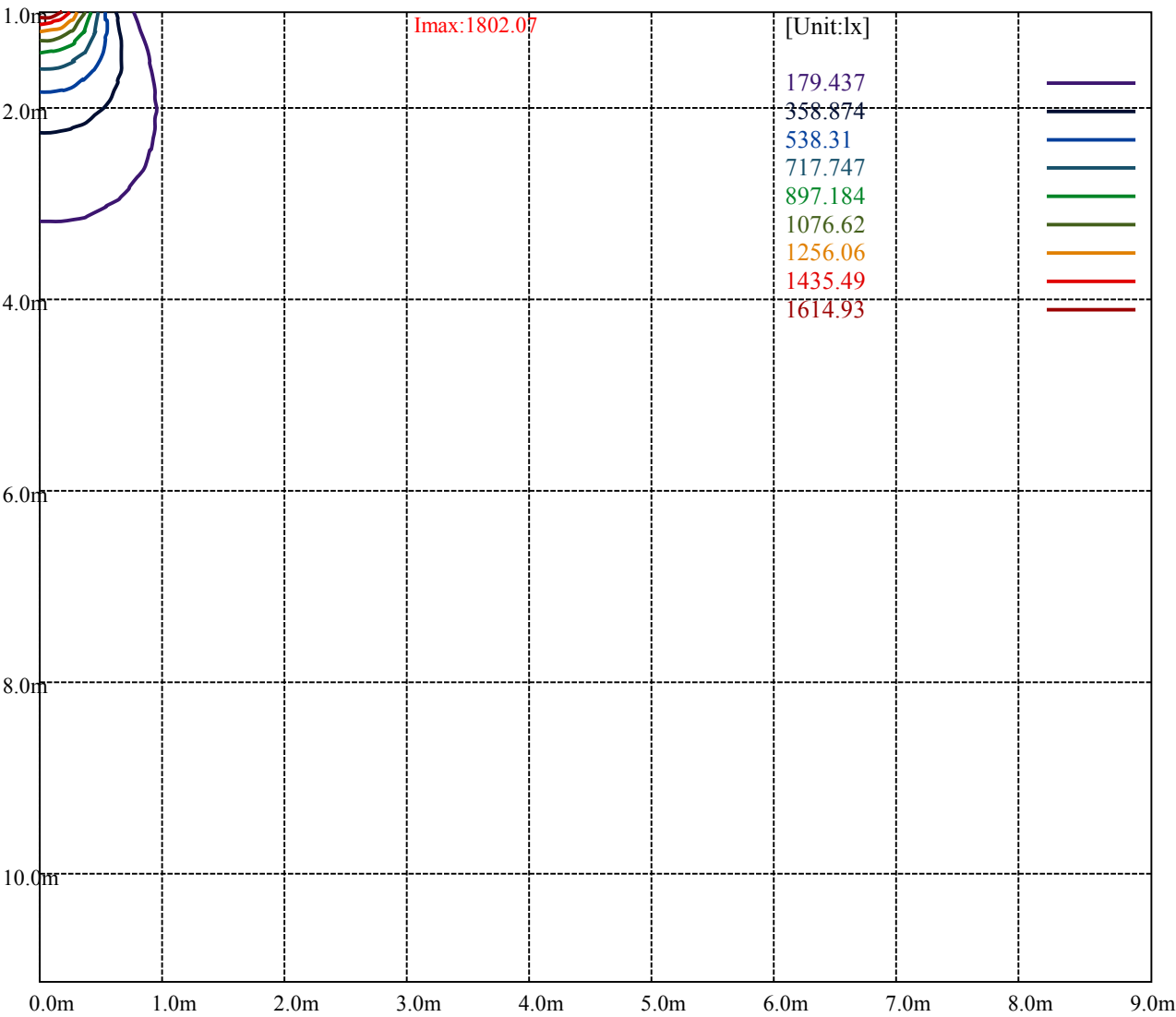
[Unit:cd]

Road

	Imax:1802.07	
(10%Imax)	180.283	—
(20%Imax)	360.566	—
(30%Imax)	540.85	—
(40%Imax)	721.133	—
(50%Imax)	901.416	—
(60%Imax)	1081.7	—
(70%Imax)	1261.98	—
(80%Imax)	1442.27	—
(90%Imax)	1622.55	—



(10%Emax) 44.85925	—
(20%Emax) 89.7185	—
(30%Emax) 134.5777	—
(40%Emax) 179.4368	—
(50%Emax) 224.296	—
(60%Emax) 269.155	—
(70%Emax) 314.015	—
(80%Emax) 358.8725	—
(90%Emax) 403.7325	—



Luminance Table

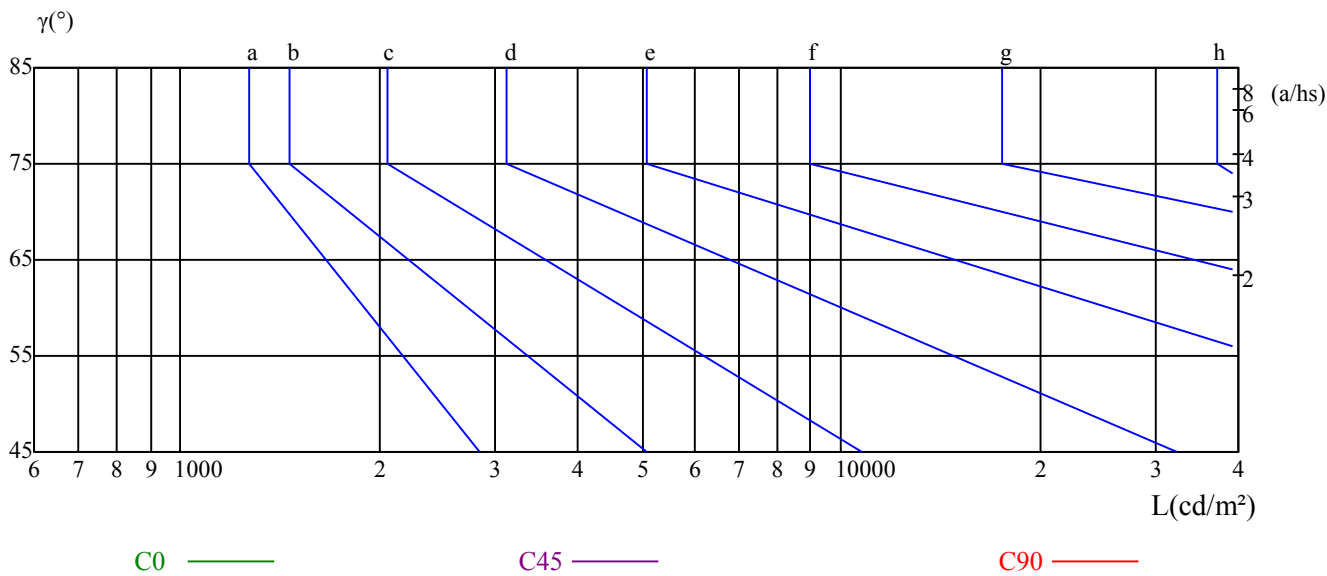
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

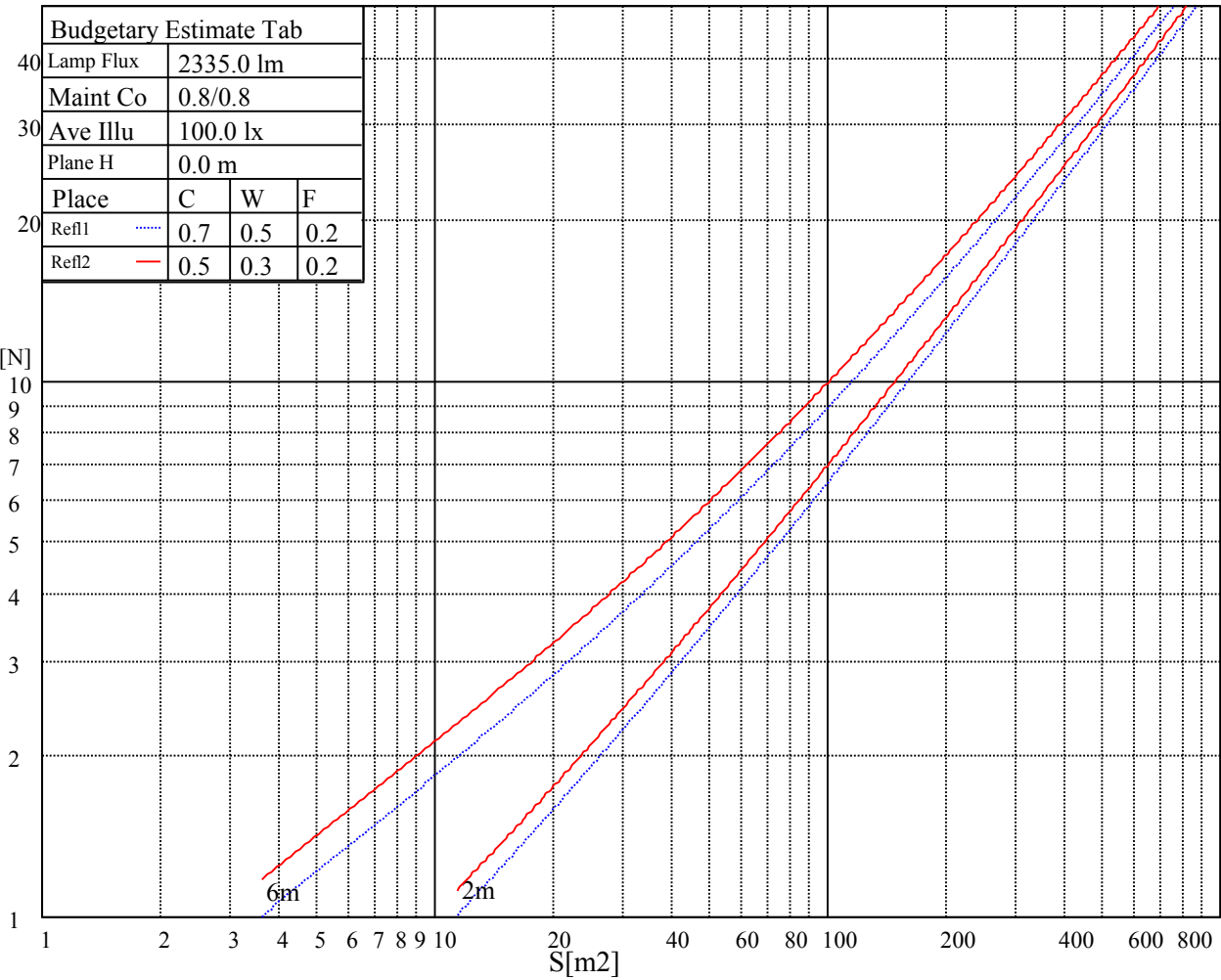
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

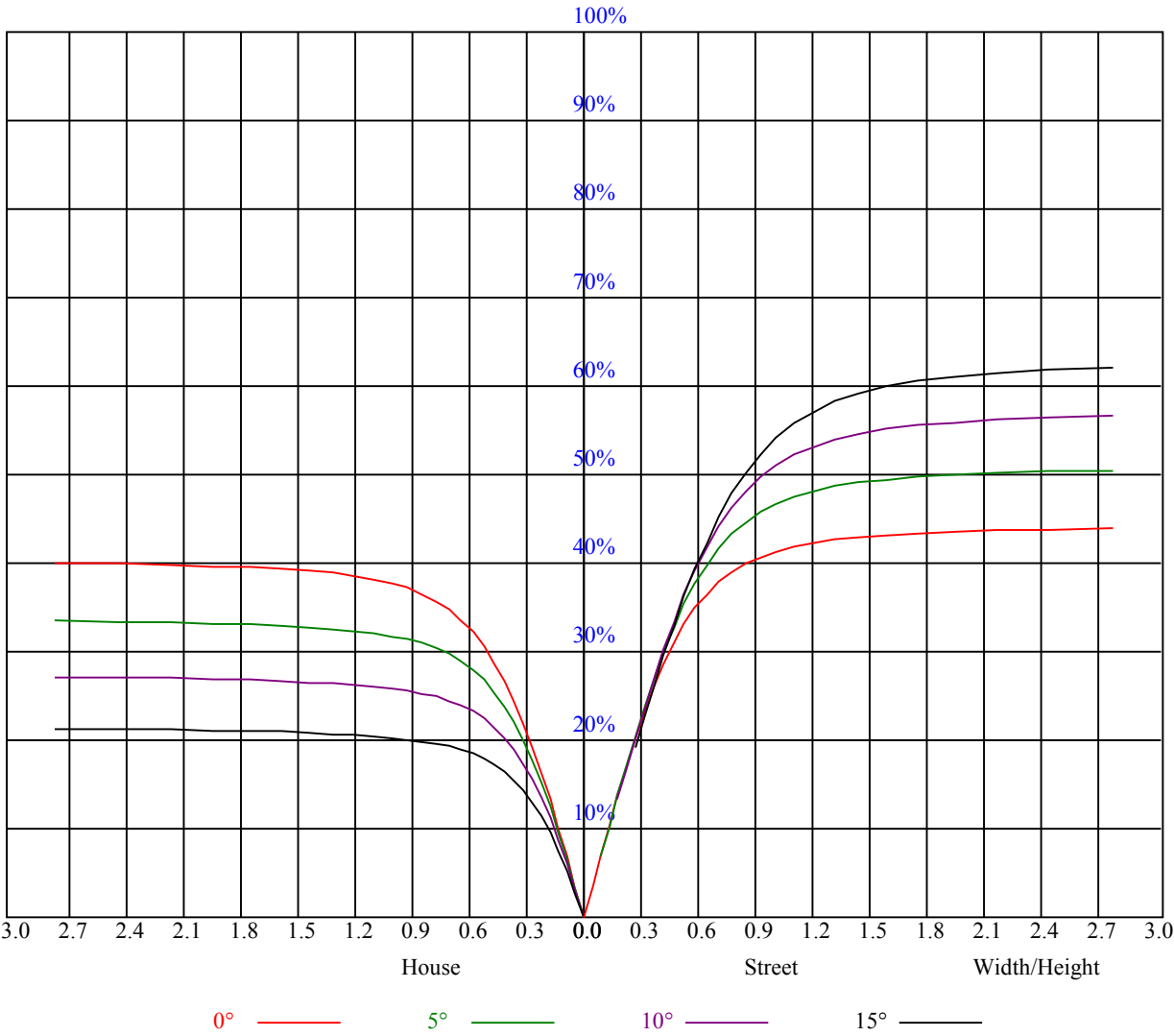


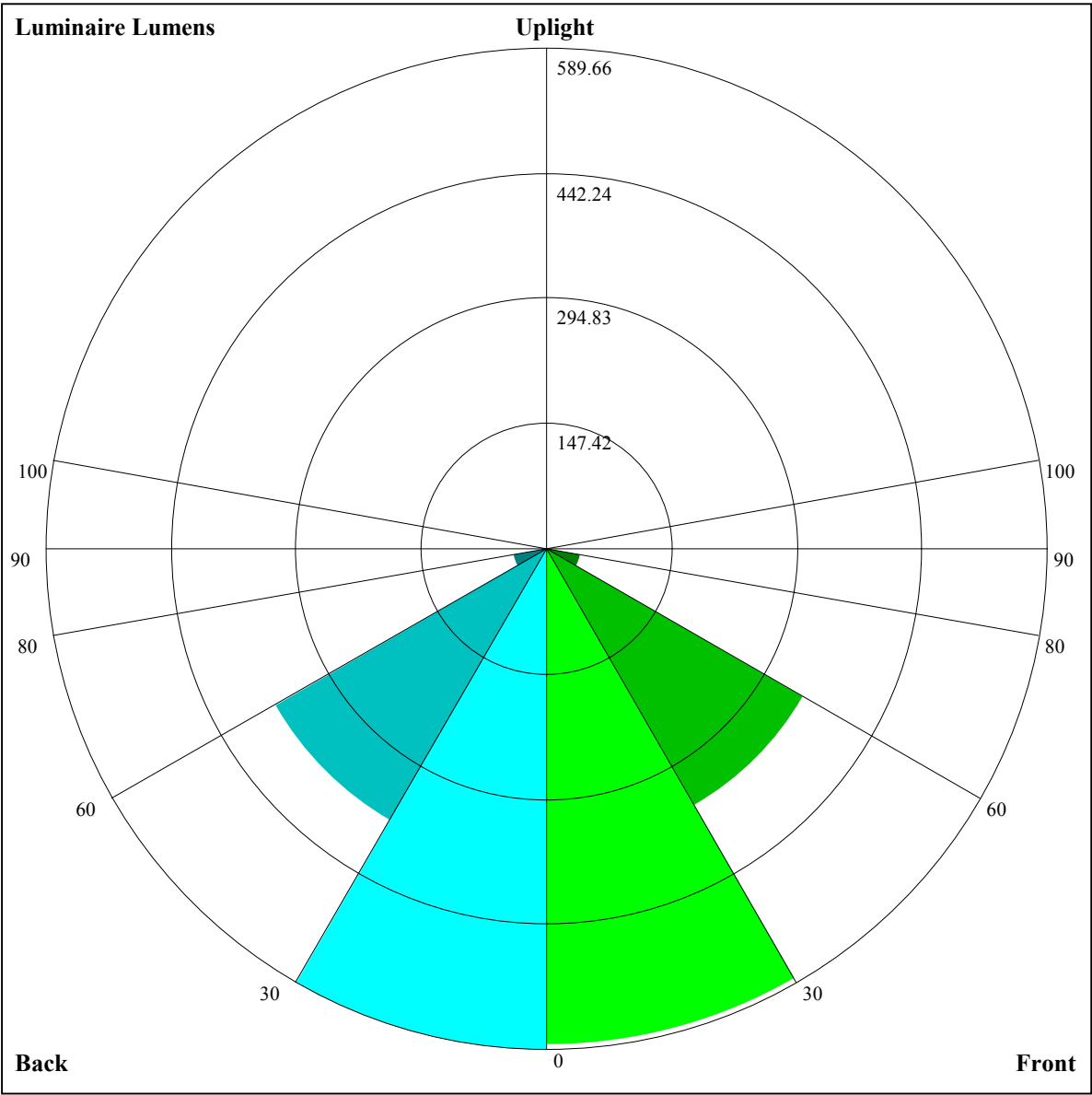
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.01	1.01	1.01	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.93	0.90	0.88	0.91	0.89	0.87	0.88	0.86	0.84	0.84	0.83	0.81	0.81	0.80	0.79	0.78
2	0.85	0.81	0.78	0.84	0.80	0.77	0.81	0.78	0.75	0.78	0.76	0.73	0.76	0.74	0.72	0.70
3	0.78	0.73	0.69	0.77	0.73	0.69	0.75	0.71	0.68	0.73	0.69	0.67	0.71	0.68	0.66	0.64
4	0.72	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.66	0.63	0.60	0.59
5	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.54
6	0.62	0.57	0.52	0.62	0.56	0.52	0.60	0.55	0.52	0.59	0.55	0.51	0.58	0.54	0.51	0.50
7	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.54	0.50	0.47	0.46
8	0.54	0.49	0.45	0.54	0.48	0.45	0.53	0.48	0.44	0.52	0.48	0.44	0.51	0.47	0.44	0.43
9	0.51	0.45	0.42	0.51	0.45	0.42	0.50	0.45	0.41	0.49	0.44	0.41	0.48	0.44	0.41	0.40
10	0.48	0.43	0.39	0.48	0.42	0.39	0.47	0.42	0.39	0.46	0.42	0.39	0.45	0.41	0.39	0.37





Luminaire Lumens:

FL=584.06,FM=348.36,FH=41.15,FVH=7.56

BL=589.66,BM=369.51,BH=41.52,BVH=7.86

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	1791.07	1787.68	1791.07	1791.91	1791.91	1787.68	1790.22	1785.14	1778.37
45.0	1792.76	1797.84	1795.30	1801.22	1798.68	1802.07	1796.15	1797.84	1791.07
90.0	1798.68	1801.22	1801.22	1801.22	1793.61	1795.30	1794.45	1789.37	1781.76
135.0	1798.68	1800.38	1802.07	1798.68	1796.99	1798.68	1793.61	1789.37	1784.30
180.0	1791.07	1791.07	1790.22	1788.53	1783.45	1777.52	1774.99	1765.68	1758.06
225.0	1792.76	1791.91	1785.14	1779.22	1775.83	1765.68	1751.29	1739.44	1731.82
270.0	1798.68	1796.99	1792.76	1786.84	1780.06	1771.60	1763.14	1752.13	1741.13
315.0	1798.68	1791.91	1788.53	1785.99	1781.76	1776.68	1768.21	1759.75	1752.13
360.0	1791.07	1787.68	1791.07	1791.91	1791.91	1787.68	1790.22	1785.14	1778.37
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1762.29	1748.75	1738.59	1683.15	1683.15	1663.18	1638.63	1610.78	1579.47
45.0	1785.14	1777.52	1765.68	1748.75	1732.67	1716.58	1697.96	1670.03	1642.10
90.0	1776.68	1760.60	1749.59	1736.05	1684.67	1684.67	1664.78	1640.32	1611.55
135.0	1781.76	1778.37	1769.06	1758.06	1744.52	1727.59	1712.35	1686.11	1659.88
180.0	1754.67	1742.82	1730.97	1718.28	1701.35	1682.73	1659.03	1637.02	1598.09
225.0	1686.11	1686.11	1682.56	1659.62	1637.53	1602.83	1578.54	1538.76	1500.84
270.0	1731.82	1719.12	1697.96	1684.42	1658.18	1634.48	1609.09	1571.85	1539.69
315.0	1735.20	1686.88	1686.88	1671.22	1648.36	1619.50	1587.68	1554.75	1517.85
360.0	1762.29	1748.75	1738.59	1683.15	1683.15	1663.18	1638.63	1610.78	1579.47
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1534.52	1497.11	1454.71	1411.88	1353.90	1305.83	1256.14	1188.35	1133.24
45.0	1600.63	1567.62	1534.61	1481.28	1440.66	1389.87	1334.01	1284.07	1231.60
90.0	1575.83	1537.32	1503.54	1450.22	1406.04	1357.12	1297.87	1245.22	1191.14
135.0	1634.48	1605.71	1566.77	1532.92	1481.28	1438.12	1394.11	1336.55	1282.38
180.0	1568.46	1531.22	1483.82	1439.81	1396.64	1337.40	1290.00	1227.36	1174.04
225.0	1464.61	1411.63	1373.54	1331.47	1282.72	1223.98	1174.89	1124.10	1073.74
270.0	1505.83	1470.28	1419.50	1379.72	1334.86	1287.46	1223.13	1171.50	1120.72
315.0	1468.17	1427.71	1381.41	1335.70	1285.17	1217.46	1163.88	1110.05	1037.69
360.0	1534.52	1497.11	1454.71	1411.88	1353.90	1305.83	1256.14	1188.35	1133.24
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1077.72	1008.23	955.59	899.72	832.77	782.24	730.27	669.25	620.24
45.0	1178.27	1102.94	1044.54	990.37	933.66	866.80	816.86	751.69	700.06
90.0	1119.03	1060.71	1004.68	949.75	882.46	829.05	779.03	727.06	665.86
135.0	1228.21	1157.96	1099.56	1044.54	991.22	925.20	875.26	822.79	773.69
180.0	1119.87	1064.86	996.30	943.82	891.34	840.56	779.62	729.68	683.13
225.0	1007.47	954.91	903.36	841.41	789.01	742.21	686.77	640.98	589.01
270.0	1053.85	1000.53	945.51	880.34	831.25	783.00	723.76	678.05	631.50
315.0	983.43	914.28	860.53	807.55	742.63	692.52	644.62	597.98	543.73
360.0	1077.72	1008.23	955.59	899.72	832.77	782.24	730.27	669.25	620.24
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	574.28	530.35	479.40	441.14	404.83	371.23	332.38	303.43	271.36
45.0	654.35	593.41	547.71	504.54	465.60	429.21	429.21	349.48	320.70
90.0	615.33	562.43	520.79	480.16	433.61	398.99	365.81	335.94	301.74
135.0	711.91	660.28	612.88	552.78	508.77	460.53	431.75	431.75	350.07
180.0	626.42	582.41	538.40	490.15	450.37	431.75	431.75	339.91	308.51
225.0	548.98	509.62	472.46	435.98	394.68	363.53	334.24	306.40	275.50
270.0	588.33	535.01	494.38	458.83	432.60	432.60	347.28	318.50	283.29
315.0	503.10	463.91	427.26	384.18	350.41	320.62	286.00	261.45	238.85
360.0	574.28	530.35	479.40	441.14	404.83	371.23	332.38	303.43	271.36

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	247.66	225.82	201.53	184.35	169.11	151.51	138.64	127.21	116.63
45.0	287.18	262.55	239.79	219.39	196.28	179.52	160.22	147.19	134.83
90.0	275.25	251.97	230.31	205.93	188.66	171.48	154.13	141.52	129.33
135.0	313.08	285.41	260.01	236.91	211.43	193.40	175.97	161.07	144.23
180.0	283.97	251.13	230.90	209.31	192.73	172.07	156.41	142.20	127.64
225.0	252.57	231.32	207.28	190.02	170.38	155.65	142.36	127.30	116.63
270.0	261.28	237.58	213.46	195.35	173.85	160.14	145.50	133.14	119.17
315.0	213.12	194.67	177.41	159.21	145.24	132.97	121.54	108.93	100.30
360.0	247.66	225.82	201.53	184.35	169.11	151.51	138.64	127.21	116.63
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	107.07	96.24	88.62	81.76	74.48	69.15	64.50	59.50	55.95
45.0	120.87	110.88	101.91	91.83	84.72	78.46	72.62	66.61	62.21
90.0	115.87	106.73	95.56	88.03	81.34	75.50	68.90	64.24	60.26
135.0	131.87	120.53	108.09	99.28	89.21	82.19	76.18	70.59	64.66
180.0	116.80	106.56	95.98	88.53	81.51	74.31	68.98	64.41	60.35
225.0	106.48	97.76	88.03	81.25	75.33	69.91	64.24	59.93	56.45
270.0	108.34	99.11	90.99	81.93	75.67	70.08	64.24	60.09	56.45
315.0	92.34	85.15	77.70	72.37	67.80	62.55	58.99	55.10	52.31
360.0	107.07	96.24	88.62	81.76	74.48	69.15	64.50	59.50	55.95
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	52.31	49.51	47.06	44.77	42.66	40.37	38.51	36.82	34.70
45.0	58.57	55.27	51.38	48.92	46.47	43.67	41.73	39.36	37.58
90.0	56.79	53.07	50.36	47.82	45.54	42.83	40.97	38.77	36.99
135.0	60.52	56.96	53.58	50.02	47.57	45.28	43.08	40.54	38.77
180.0	55.95	52.82	50.11	47.48	44.52	42.40	40.46	38.17	36.40
225.0	52.56	49.85	47.14	44.18	41.90	39.87	37.58	35.89	34.11
270.0	52.56	49.68	47.14	44.18	42.07	40.12	38.09	36.06	34.36
315.0	49.85	46.72	44.35	42.07	40.12	37.75	36.14	34.70	33.09
360.0	52.31	49.51	47.06	44.77	42.66	40.37	38.51	36.82	34.70
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	33.01	31.40	29.88	28.10	26.58	24.88	23.53	22.34	20.82
45.0	35.89	34.28	32.25	30.72	29.20	27.76	25.98	24.71	23.36
90.0	35.38	33.43	31.74	31.82	35.55	40.54	44.27	45.62	41.98
135.0	36.56	34.96	33.35	31.32	29.79	28.27	26.49	25.05	23.70
180.0	34.36	32.76	31.15	29.54	27.76	26.66	25.48	24.04	22.85
225.0	32.59	30.64	29.03	27.59	26.58	25.14	24.04	22.60	21.24
270.0	32.76	31.15	29.20	27.59	26.15	24.38	23.02	21.58	20.48
315.0	31.57	33.01	36.65	40.29	41.56	39.53	31.82	26.32	21.41
360.0	33.01	31.40	29.88	28.10	26.58	24.88	23.53	22.34	20.82
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.64	17.52	15.91	13.71	12.10	10.16	8.63	7.96	7.53
45.0	22.26	20.65	18.37	16.50	14.39	12.53	10.75	9.14	8.21
90.0	33.35	26.07	19.98	17.10	15.15	11.85	9.99	8.63	7.79
135.0	22.43	20.99	19.72	17.61	15.57	13.80	12.02	10.07	8.72
180.0	21.75	19.81	17.77	15.57	13.03	10.83	9.56	8.13	7.62
225.0	19.38	17.27	15.32	13.20	10.58	9.23	8.04	7.53	7.19
270.0	18.96	17.27	14.98	13.29	11.34	9.65	8.21	7.62	7.36
315.0	17.61	15.83	13.80	10.66	9.06	8.13	7.62	7.36	7.19
360.0	19.64	17.52	15.91	13.71	12.10	10.16	8.63	7.96	7.53

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	7.36
45.0	7.87
90.0	7.45
135.0	7.70
180.0	7.28
225.0	7.11
270.0	7.11
315.0	6.94
360.0	7.36