

浙大三色

Email:sensing@sensingm.com
Tel:+86 571 85021543 Fax:+86 571 87977635

LumCAT: 60120

Luminaire:

Report No: SENSING20120725s0013

Voltage(V): 118.9000

Test No: SENSING20120725s002

Current(A): 0.4310

LampCAT:

Power (W): 50.7000

Lamp flux(lm): -1.0

PF: 0.9900

Number of Lamps: 1

Ballast type: /

Length(mm): 1200

Width(mm): 595

Phm Type: C

Height(mm): 12

Photometric Results

Lumens(lm): 5661.84

Efficiency(%): 0.00%

Lumens(lm)/Power(W): 111.67

Central intensity(cd): 1942.797

Maximum intensity(cd): 1949.188

Angle of maximum intensity: C=30.0 γ =0.0

Beam Angle(50% I_{max}): [C0/180]Total=114.2

[C90/270]Total=114.5

Field angle(10% I_{max}): [C0/180]Total=162.2

[C90/270]Total=162.3

Beam angle of C30plane: 114.16

Maximum s/h(1/2): C0_180=1.28 C90_270=1.28

Maximum s/h(1/4): C0_180=1.82 C90_270=1.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 78.353%

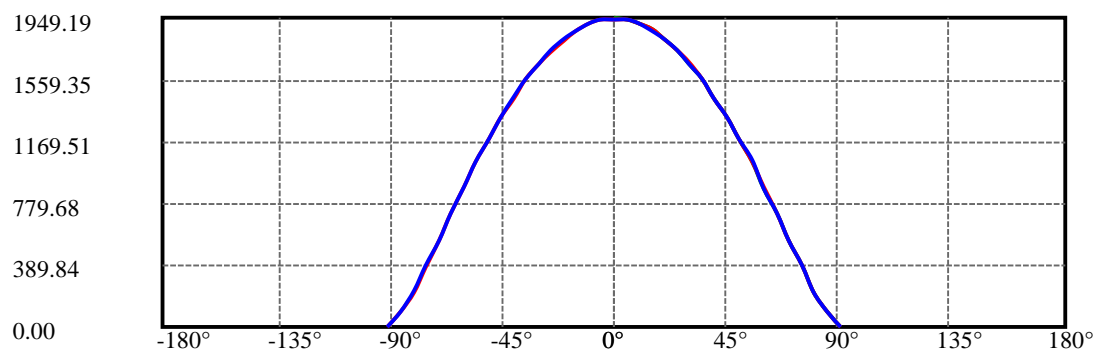
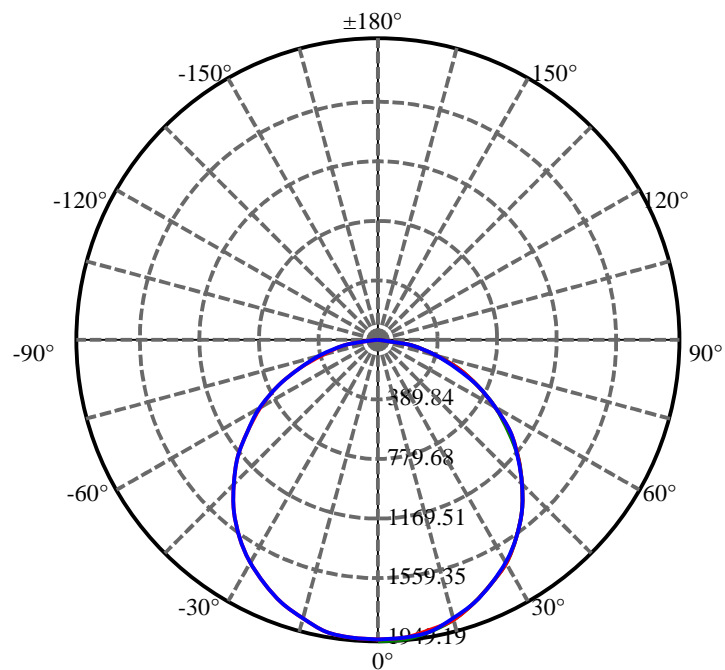
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1943.987	.000	.000	.000%	.000%
5.0	1936.766	46.393	46.393	.000%	.000%
10.0	1912.065	137.685	184.078	.000%	.000%
15.0	1870.901	224.403	408.481	.000%	.000%
20.0	1814.512	303.730	712.211	.000%	.000%
25.0	1742.850	373.102	1085.312	.000%	.000%
30.0	1657.499	430.317	1515.629	.000%	.000%
35.0	1558.927	473.641	1989.271	.000%	.000%
40.0	1445.240	501.223	2490.493	.000%	.000%
45.0	1319.289	511.875	3002.368	.000%	.000%
50.0	1184.471	505.921	3508.290	.000%	.000%
55.0	1040.319	483.744	3992.033	.000%	.000%
60.0	881.379	444.195	4436.228	.000%	.000%
65.0	715.454	388.193	4824.421	.000%	.000%
70.0	547.978	319.909	5144.331	.000%	.000%
75.0	382.303	243.161	5387.491	.000%	.000%
80.0	222.988	161.959	5549.450	.000%	.000%
85.0	93.230	85.924	5635.375	.000%	.000%
90.0	3.430	26.466	5661.841	.000%	.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1515.63	N.A.	26.77%
0-40	2490.49	N.A.	43.99%
0-60	4436.23	N.A.	78.35%
0-90	5635.38	N.A.	99.53%
0-120	5635.38	N.A.	99.53%
0-180	5661.84	N.A.	100.00%
60-90	1643.34	N.A.	29.02%
90-120	0.00	N.A.	0.00%
90-130	0.00	N.A.	0.00%
90-150	0.00	N.A.	0.00%
90-180	0.00	N.A.	0.00%
0-61.20	4529.47	N.A.	80.00%

ZONAL LUMEN SUMMARY

0-10	184.08
10-20	528.13
20-30	803.42
30-40	974.86
40-50	1017.80
50-60	927.94
60-70	708.10
70-80	405.12
80-90	85.92
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



C30(Max):

C0/C180:

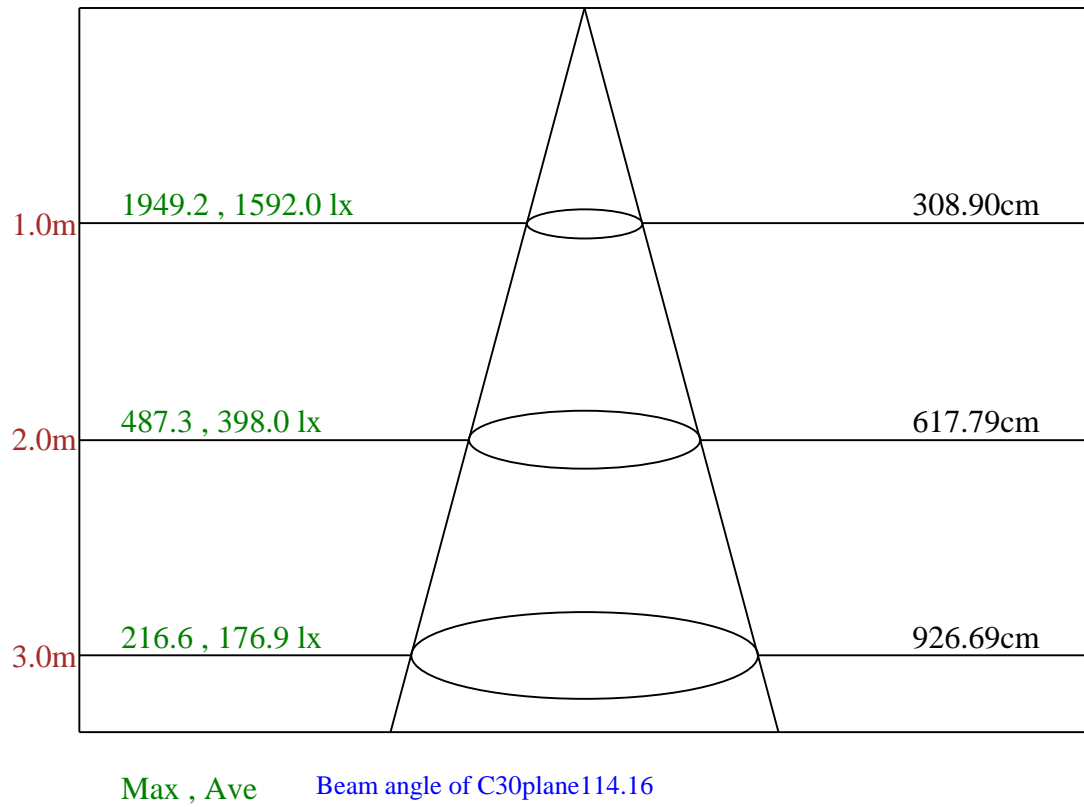
C90/C270:

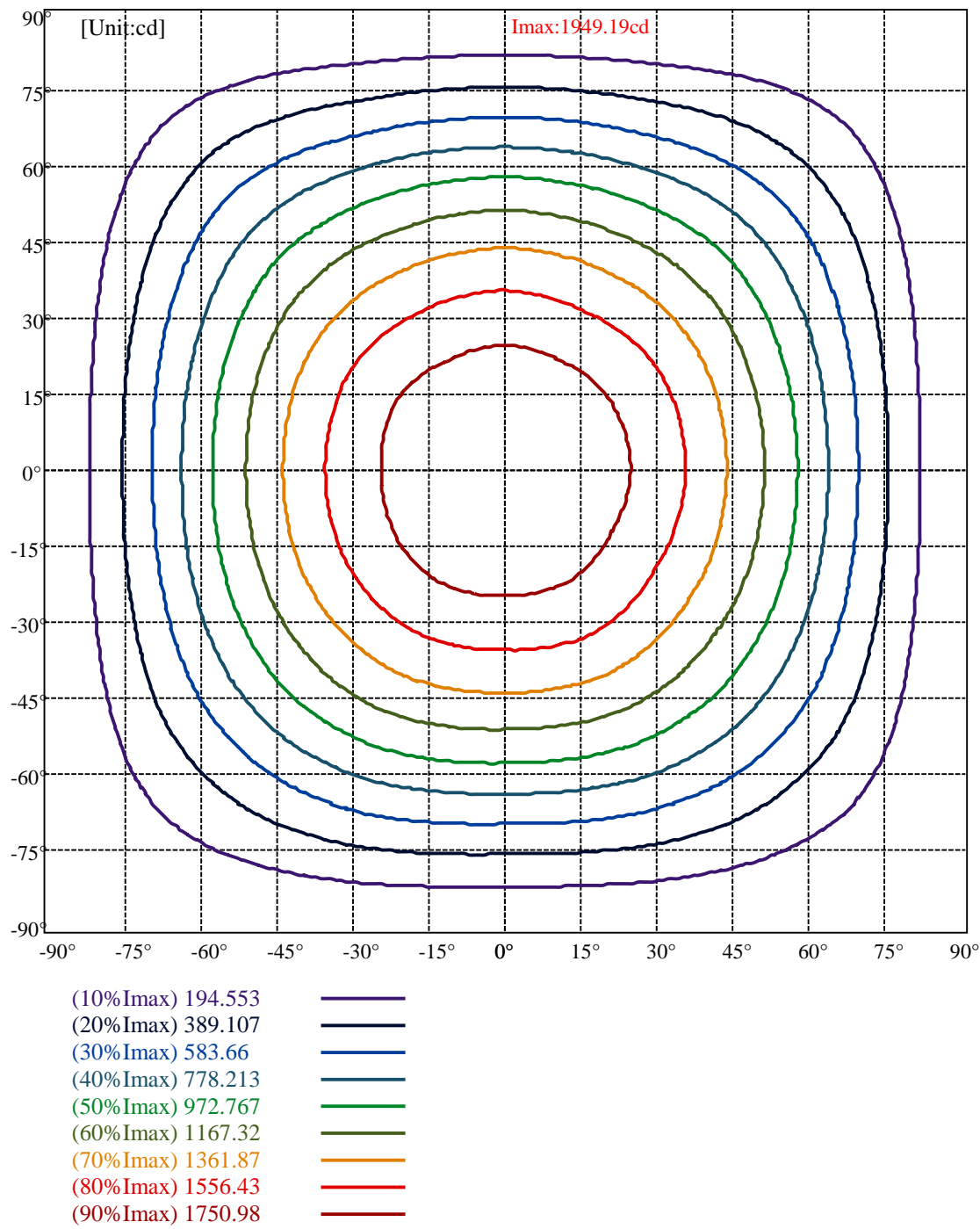
Field angle(10%Imax):C0/180Left:81.1 Right:81.1

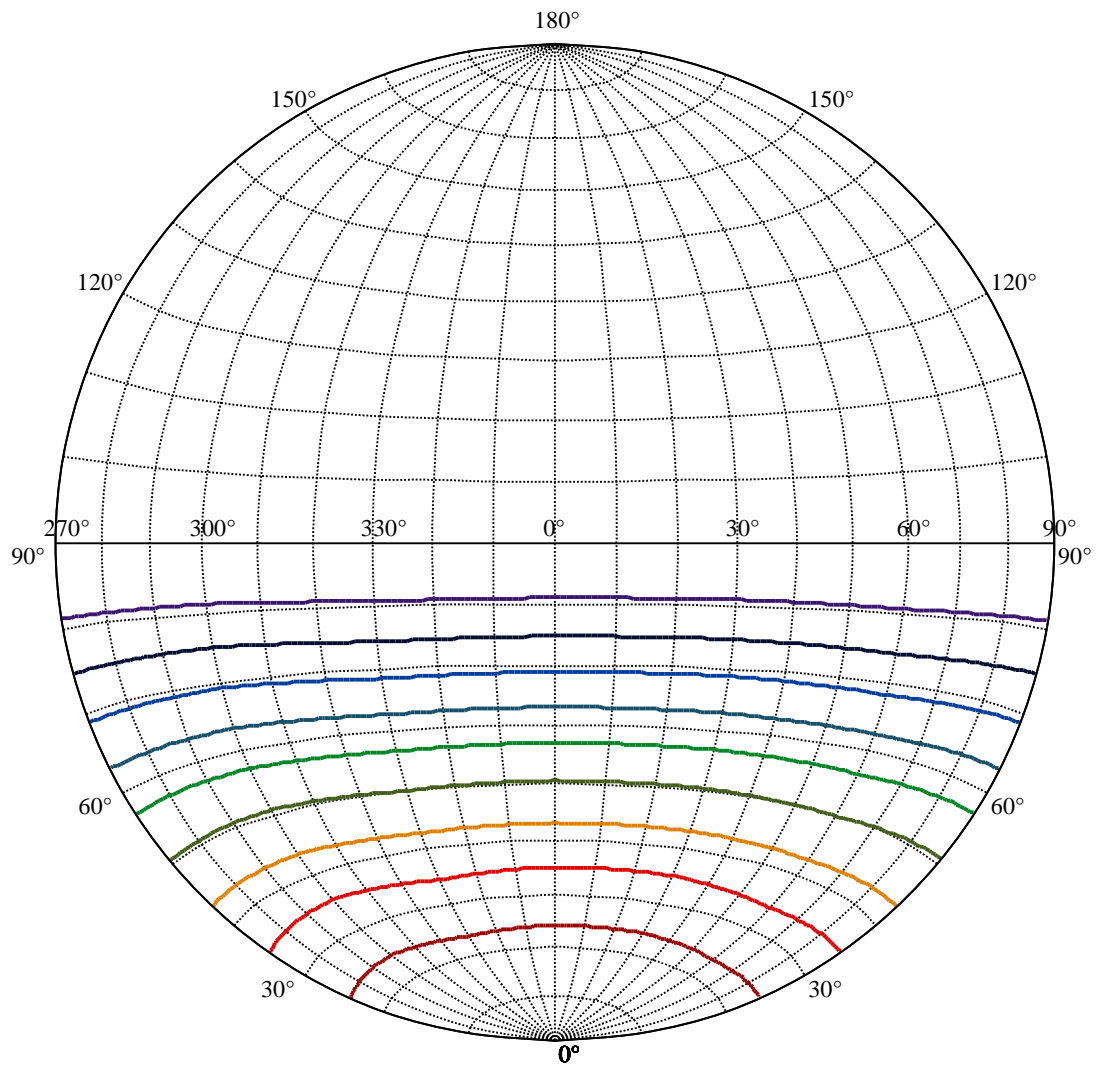
:C90/270Left:81.2 Right:81.0

Beam Angle(50%Imax):C0/180Left:57.1 Right:57.2

:C90/270Left:57.2 Right:57.3







House

[Unit:cd]

Road

Imax:1949.19

(10%Imax) 194.919

(20%Imax) 389.838

(30%Imax) 584.756

(40%Imax) 779.675

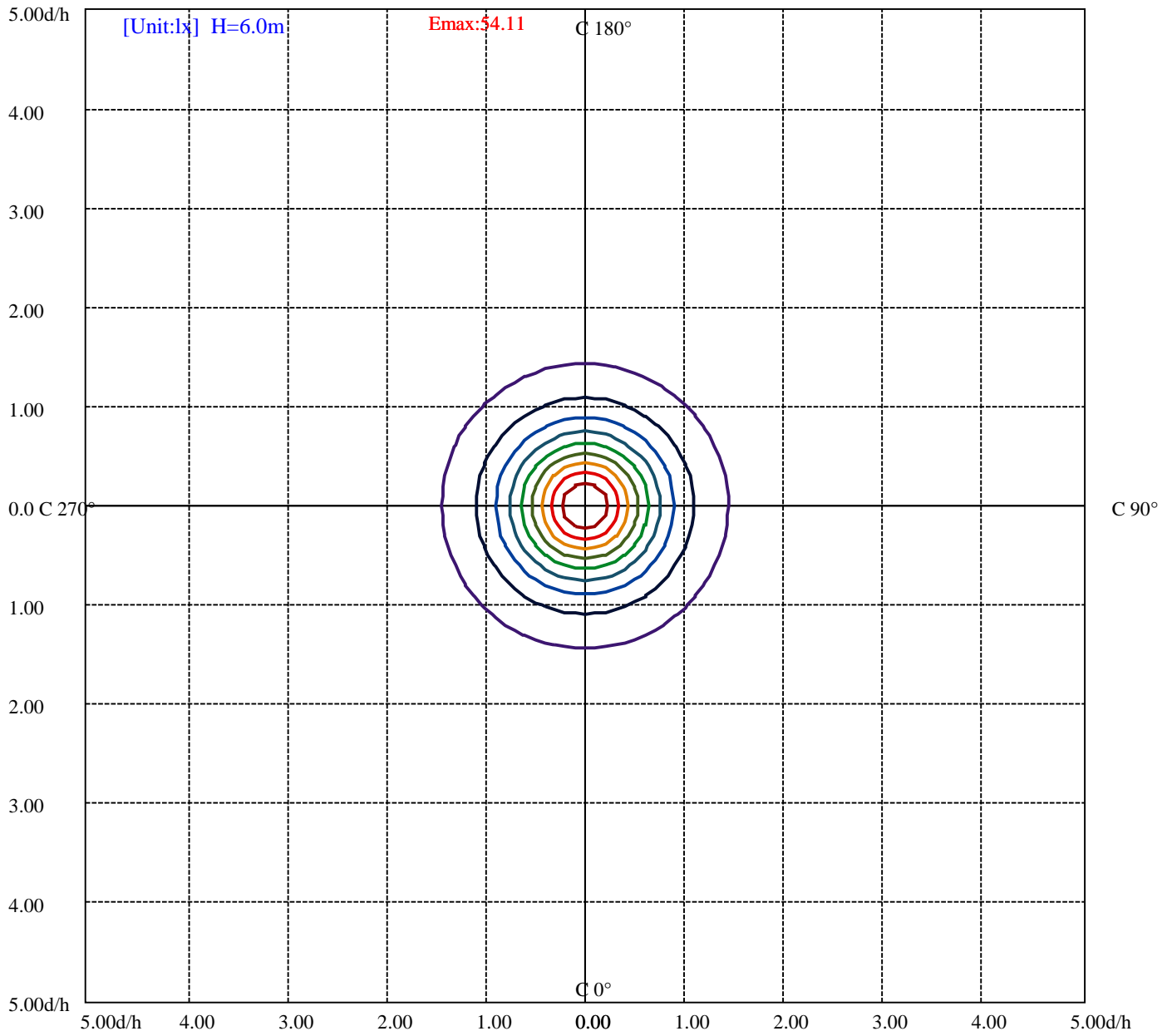
(50%Imax) 974.594

(60%Imax) 1169.51

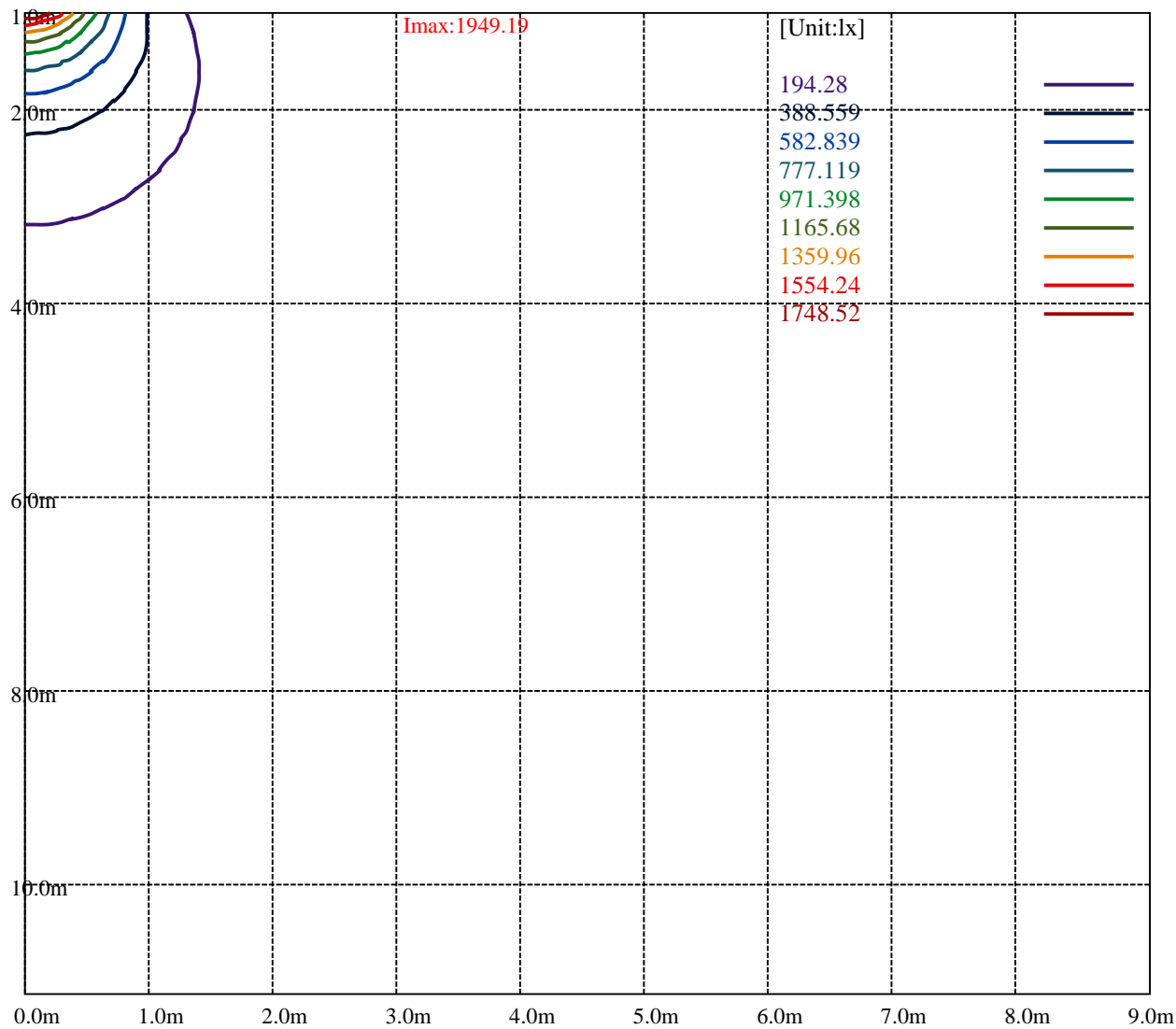
(70%Imax) 1364.43

(80%Imax) 1559.35

(90%Imax) 1754.27



(10%Emax) 5.41075	—
(20%Emax) 10.8215	—
(30%Emax) 16.23225	—
(40%Emax) 21.64303	—
(50%Emax) 27.05378	—
(60%Emax) 32.46444	—
(70%Emax) 37.87528	—
(80%Emax) 43.28611	—
(90%Emax) 48.69667	—



Luminance Table

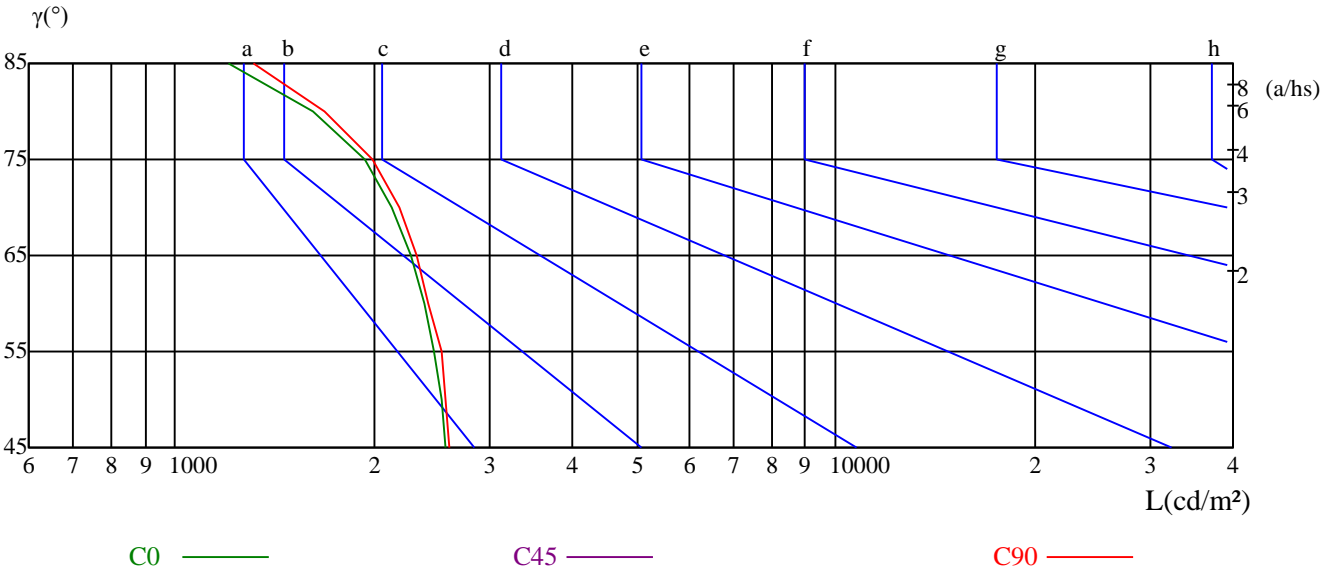
γ	45	50	55	60	65	70	75	80	85
C0	2565	2526	2472	2382	2278	2132	1932	1615	1203
C45	0	0	0	0	0	0	0	0	0
C90	2594	2562	2526	2416	2319	2185	1995	1684	1317

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2369	2367	0	2056	2070	0	1500	1501	0

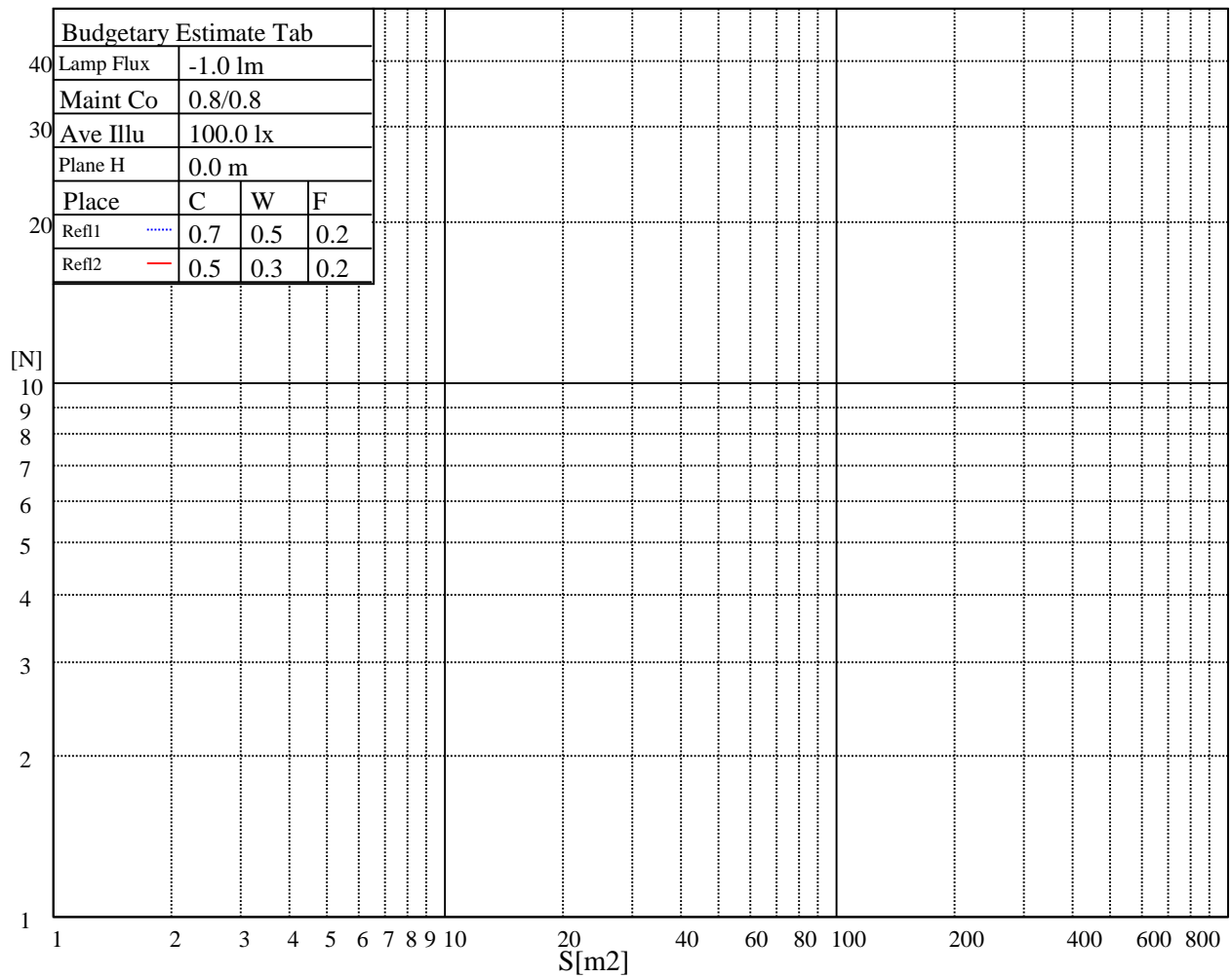
Glare Table

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

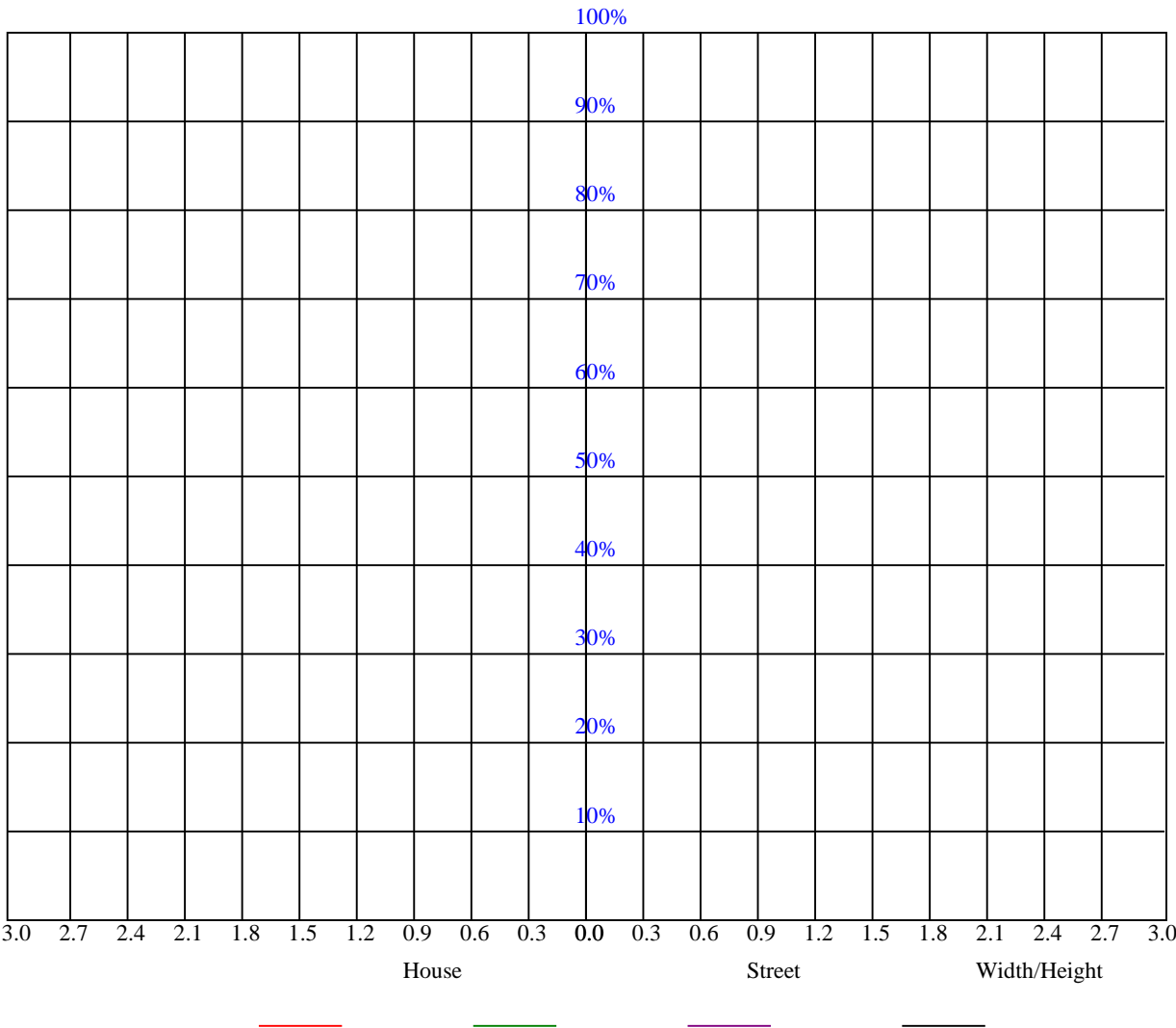
Luminance Limiting Curve



Illuminatin 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	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	3H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
4H	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	2H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	3H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
8H	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
12H	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
Variation with the observer position at spacings:										
S = 1.0H		0.3/-0.6					0.3/-0.6			
S = 1.5H		0.6/-0.6					0.6/-0.6			
S = 2.0H		0.8/-0.7					0.8/-0.8			
Standard tables:		BK3					BK3			
Uncorrected UGR		1.3					1.3			



RHOC	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 RHOF=20 CU															
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Intensity data(cd)									Page: 15 Total:15	
C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	
0.0	1942.80	1935.28	1909.72	1873.81	1814.79	1745.25	1664.80	1565.18	1442.63	
30.0	1949.19	1940.17	1914.04	1871.00	1816.11	1743.37	1657.66	1563.30	1445.44	
60.0	1946.56	1934.53	1910.47	1867.42	1807.09	1734.16	1646.94	1541.12	1430.97	
90.0	1939.23	1935.28	1911.78	1869.87	1816.30	1742.80	1655.40	1558.60	1444.13	
120.0	1941.29	1935.65	1908.59	1868.55	1807.84	1736.41	1649.20	1547.32	1437.74	
150.0	1944.87	1939.60	1914.60	1874.00	1819.68	1750.32	1664.23	1564.61	1453.15	
180.0	1942.80	1932.84	1910.84	1866.11	1809.53	1736.60	1653.90	1557.47	1446.20	
210.0	1949.19	1941.11	1913.85	1875.13	1820.06	1746.94	1661.98	1562.17	1449.58	
240.0	1946.56	1938.10	1912.54	1875.88	1819.30	1752.39	1666.68	1568.94	1455.78	
270.0	1939.23	1934.15	1914.04	1870.06	1812.73	1742.99	1655.78	1556.34	1448.83	
300.0	1941.29	1938.47	1915.54	1873.44	1820.62	1748.82	1662.92	1575.33	1452.96	
330.0	1944.87	1936.03	1908.78	1865.54	1810.09	1734.16	1650.51	1546.76	1435.48	
360.0	1942.80	1935.28	1909.72	1873.81	1814.79	1745.25	1664.80	1565.18	1442.63	
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	
0.0	1321.20	1187.18	1041.32	880.05	717.08	549.42	383.82	223.11	92.10	
30.0	1316.88	1182.67	1038.13	876.29	714.45	549.04	383.07	223.11	92.67	
60.0	1304.28	1165.75	1020.83	865.76	695.47	529.49	364.65	211.46	85.52	
90.0	1322.70	1189.63	1049.40	877.42	714.64	548.29	382.51	220.67	91.35	
120.0	1308.98	1174.59	1030.80	875.72	705.62	531.00	365.78	211.46	84.21	
150.0	1328.15	1193.57	1050.91	889.26	728.55	567.46	396.04	227.25	98.12	
180.0	1317.63	1182.48	1035.49	880.24	712.76	541.15	376.12	221.61	94.55	
210.0	1321.76	1187.18	1042.45	887.75	712.57	540.77	380.25	225.74	96.43	
240.0	1334.73	1203.35	1061.25	899.78	739.64	573.10	406.38	237.40	104.70	
270.0	1319.70	1181.73	1036.25	882.30	713.89	547.54	382.69	226.68	95.49	
300.0	1328.91	1193.95	1050.16	889.45	728.55	562.58	396.42	232.32	96.61	
330.0	1306.54	1171.58	1026.85	872.53	702.23	535.89	369.91	215.03	87.03	
360.0	1321.20	1187.18	1041.32	880.05	717.08	549.42	383.82	223.11	92.10	
C/γ(°)	90.0									
0.0	1.32									
30.0	1.69									
60.0	2.07									
90.0	3.20									
120.0	3.20									
150.0	3.95									
180.0	3.01									
210.0	3.20									
240.0	6.77									
270.0	5.64									
300.0	5.08									
330.0	2.07									
360.0	1.32									