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NATA

Client:

LumCAT: 1-1384-L

Luminaire: 92.70.410.00

Report No: 2023629-B016

Ballast type: AC

Test No: 2023629-C016

Voltage(V): 34.750

LampCAT: FORTIMO SLM C 1204

Current(A): 0.301

Lamp flux(lm): 1660.3

Power (W): 10.459

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1542.92, Efficiency(%): 92.93% , Luminous Efficacy(lm/W): 147.52

Central intensity(cd): 2378.627, Maximum intensity(cd): 2378.627

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=50.0

[C90/270]Total=50.0

Field angle(10%Imax): [C0/180]Total=69.2

[C90/270]Total=69.2

Maximum s/h(1/2): C0_180=0.81 C90_270=0.81

Maximum s/h(1/4): C0_180=0.76 C90_270=0.76

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.93%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.133%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2378.627	0.000	0	0.00%	0.00%
1.0	2376.482	2.275	2.275	0.14%	0.15%
2.0	2373.784	6.818	9.093	0.41%	0.59%
3.0	2366.103	11.336	20.43	0.68%	1.32%
4.0	2355.310	15.804	36.234	0.95%	2.35%
5.0	2342.786	20.211	56.445	1.22%	3.66%
6.0	2326.664	24.539	80.984	1.48%	5.25%
7.0	2307.775	28.766	109.75	1.73%	7.11%
8.0	2285.633	32.874	142.624	1.98%	9.24%
9.0	2262.177	36.858	179.481	2.22%	11.63%
10.0	2233.462	40.684	220.165	2.45%	14.27%
11.0	2198.936	44.289	264.454	2.67%	17.14%
12.0	2162.195	47.673	312.127	2.87%	20.23%
13.0	2119.296	50.811	362.938	3.06%	23.52%
14.0	2071.276	53.639	416.577	3.23%	27.00%
15.0	2020.282	56.171	472.748	3.38%	30.64%
16.0	1962.852	58.364	531.112	3.52%	34.42%
17.0	1903.832	60.215	591.326	3.63%	38.33%
18.0	1837.615	61.688	653.015	3.72%	42.32%
19.0	1762.680	62.638	715.652	3.77%	46.38%
20.0	1677.435	62.964	778.616	3.79%	50.46%
21.0	1592.883	62.797	841.413	3.78%	54.53%
22.0	1507.915	62.312	903.725	3.75%	58.57%
23.0	1393.942	60.889	964.613	3.67%	62.52%
24.0	1287.110	58.617	1023.231	3.53%	66.32%
25.0	1186.145	56.236	1079.467	3.39%	69.96%
26.0	1118.703	54.406	1133.873	3.28%	73.49%
27.0	1010.605	52.094	1185.967	3.14%	76.87%
28.0	885.422	48.003	1233.971	2.89%	79.98%
29.0	772.819	43.384	1277.355	2.61%	82.79%
30.0	648.537	38.376	1315.731	2.31%	85.28%
31.0	537.525	33.006	1348.738	1.99%	87.41%
32.0	434.422	27.845	1376.583	1.68%	89.22%
33.0	339.041	22.787	1399.369	1.37%	90.70%
34.0	264.881	18.276	1417.646	1.10%	91.88%
35.0	221.283	15.098	1432.744	0.91%	92.86%
36.0	167.922	12.392	1445.137	0.75%	93.66%
37.0	122.283	9.465	1454.602	0.57%	94.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	86.635	6.973	1461.575	0.42%	94.73%
39.0	72.375	5.427	1467.002	0.33%	95.08%
40.0	61.761	4.678	1471.681	0.28%	95.38%
41.0	53.776	4.114	1475.795	0.25%	95.65%
42.0	47.189	3.668	1479.463	0.22%	95.89%
43.0	41.847	3.298	1482.761	0.20%	96.10%
44.0	36.900	2.972	1485.733	0.18%	96.29%
45.0	33.039	2.688	1488.421	0.16%	96.47%
46.0	29.995	2.465	1490.886	0.15%	96.63%
47.0	27.137	2.272	1493.159	0.14%	96.77%
48.0	24.923	2.105	1495.263	0.13%	96.91%
49.0	23.055	1.970	1497.233	0.12%	97.04%
50.0	21.609	1.862	1499.095	0.11%	97.16%
51.0	20.308	1.773	1500.869	0.11%	97.27%
52.0	19.152	1.693	1502.562	0.10%	97.38%
53.0	18.163	1.623	1504.185	0.10%	97.49%
54.0	17.180	1.558	1505.743	0.09%	97.59%
55.0	16.447	1.501	1507.244	0.09%	97.69%
56.0	15.707	1.453	1508.697	0.09%	97.78%
57.0	15.056	1.407	1510.104	0.08%	97.87%
58.0	14.516	1.368	1511.471	0.08%	97.96%
59.0	14.004	1.333	1512.805	0.08%	98.05%
60.0	13.534	1.301	1514.106	0.08%	98.13%
61.0	13.070	1.270	1515.375	0.08%	98.21%
62.0	12.655	1.240	1516.615	0.07%	98.30%
63.0	12.275	1.212	1517.827	0.07%	98.37%
64.0	11.922	1.187	1519.015	0.07%	98.45%
65.0	11.590	1.164	1520.178	0.07%	98.53%
66.0	11.264	1.140	1521.318	0.07%	98.60%
67.0	10.974	1.118	1522.437	0.07%	98.67%
68.0	10.690	1.097	1523.534	0.07%	98.74%
69.0	10.413	1.077	1524.611	0.06%	98.81%
70.0	10.144	1.056	1525.666	0.06%	98.88%
71.0	9.894	1.036	1526.702	0.06%	98.95%
72.0	9.673	1.017	1527.72	0.06%	99.01%
73.0	9.438	0.999	1528.719	0.06%	99.08%
74.0	9.223	0.981	1529.7	0.06%	99.14%
75.0	8.981	0.962	1530.662	0.06%	99.21%

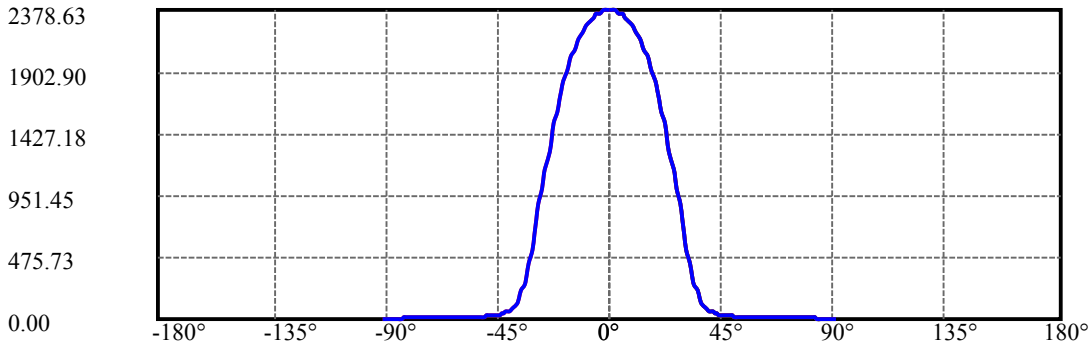
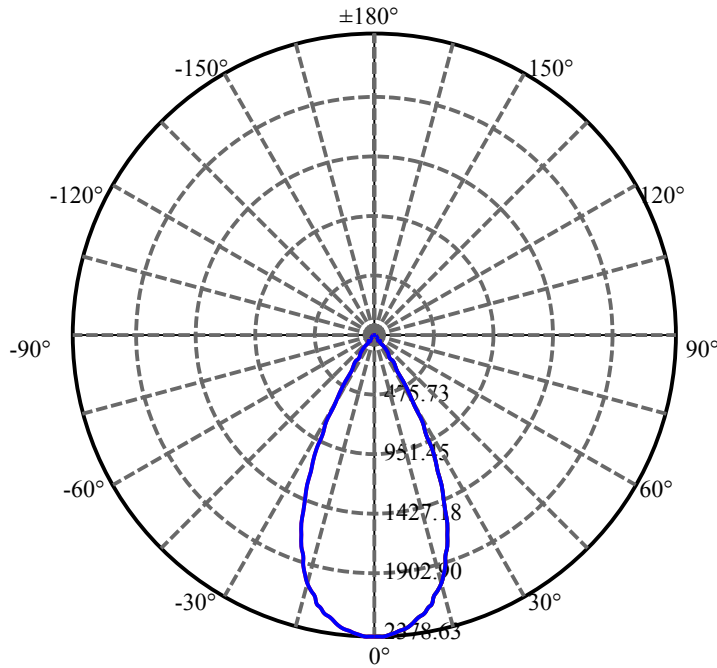
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.753	0.941	1531.603	0.06%	99.27%
77.0	8.538	0.922	1532.525	0.06%	99.33%
78.0	8.331	0.903	1533.428	0.05%	99.38%
79.0	8.109	0.883	1534.311	0.05%	99.44%
80.0	7.902	0.863	1535.175	0.05%	99.50%
81.0	7.708	0.844	1536.019	0.05%	99.55%
82.0	7.507	0.825	1536.844	0.05%	99.61%
83.0	7.327	0.806	1537.65	0.05%	99.66%
84.0	7.175	0.790	1538.44	0.05%	99.71%
85.0	7.037	0.776	1539.216	0.05%	99.76%
86.0	6.905	0.762	1539.978	0.05%	99.81%
87.0	6.788	0.749	1540.728	0.05%	99.86%
88.0	6.719	0.740	1541.467	0.04%	99.91%
89.0	6.594	0.730	1542.197	0.04%	99.95%
90.0	6.552	0.721	1542.918	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1315.73	79.25%	85.28%
0-40	1471.68	88.64%	95.38%
0-60	1514.11	91.19%	98.13%
0-90	1542.20	92.88%	99.95%
0-120	1542.20	92.88%	99.95%
0-180	1542.92	92.93%	100.00%
60-90	28.09	1.69%	1.82%
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%
0-28.01	1234.33	74.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	220.17
10-20	558.45
20-30	537.12
30-40	155.95
40-50	27.41
50-60	15.01
60-70	11.56
70-80	9.51
80-90	7.02
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



C0(Max): —————

C0/C180: —————

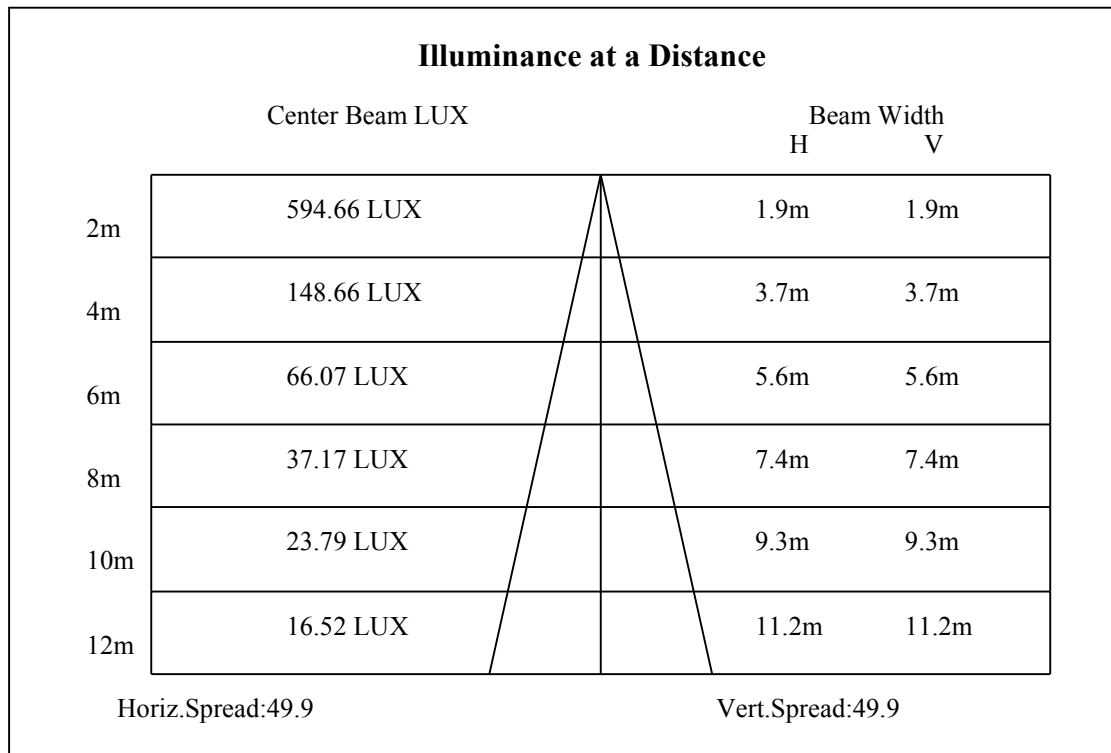
C90/C270: —————

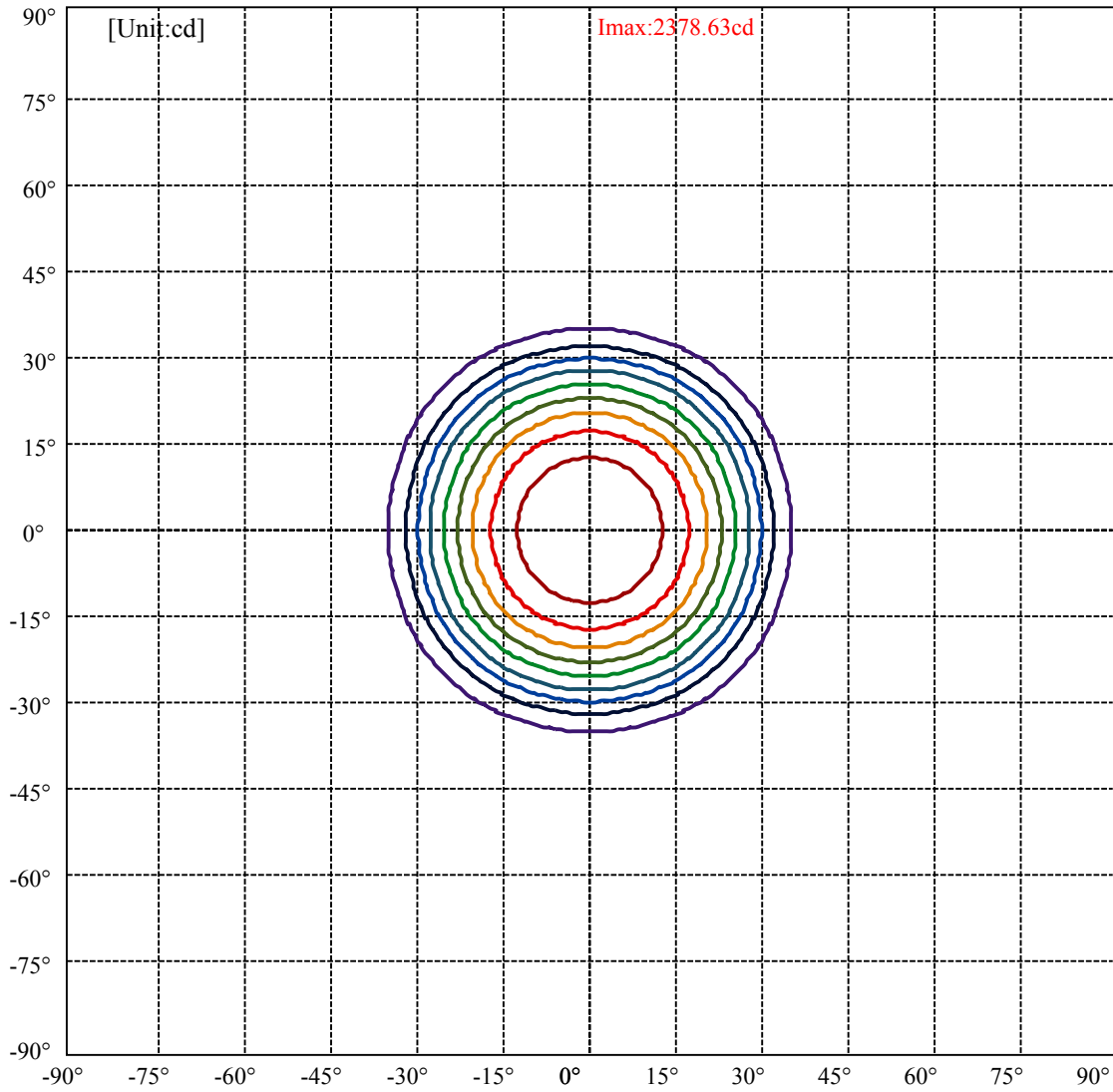
Field angle(10%Imax):C0/180Left:34.6 Right:34.6

:C90/270Left:34.6 Right:34.6

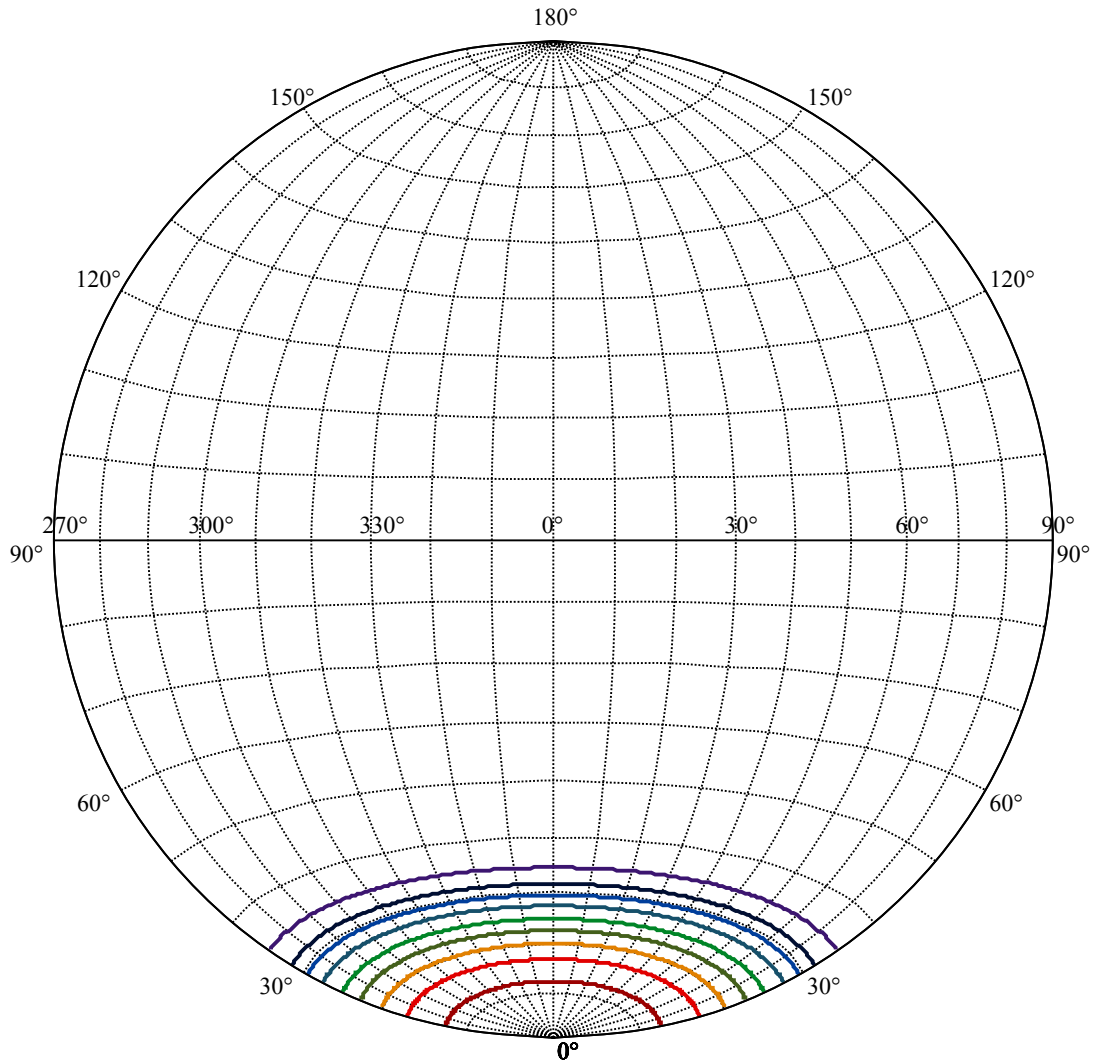
Beam Angle(50%Imax):C0/180Left:25.0 Right:25.0

:C90/270Left:25.0 Right:25.0





(10%Imax) 237.863	—
(20%Imax) 475.725	—
(30%Imax) 713.588	—
(40%Imax) 951.451	—
(50%Imax) 1189.31	—
(60%Imax) 1427.18	—
(70%Imax) 1665.04	—
(80%Imax) 1902.9	—
(90%Imax) 2140.76	—



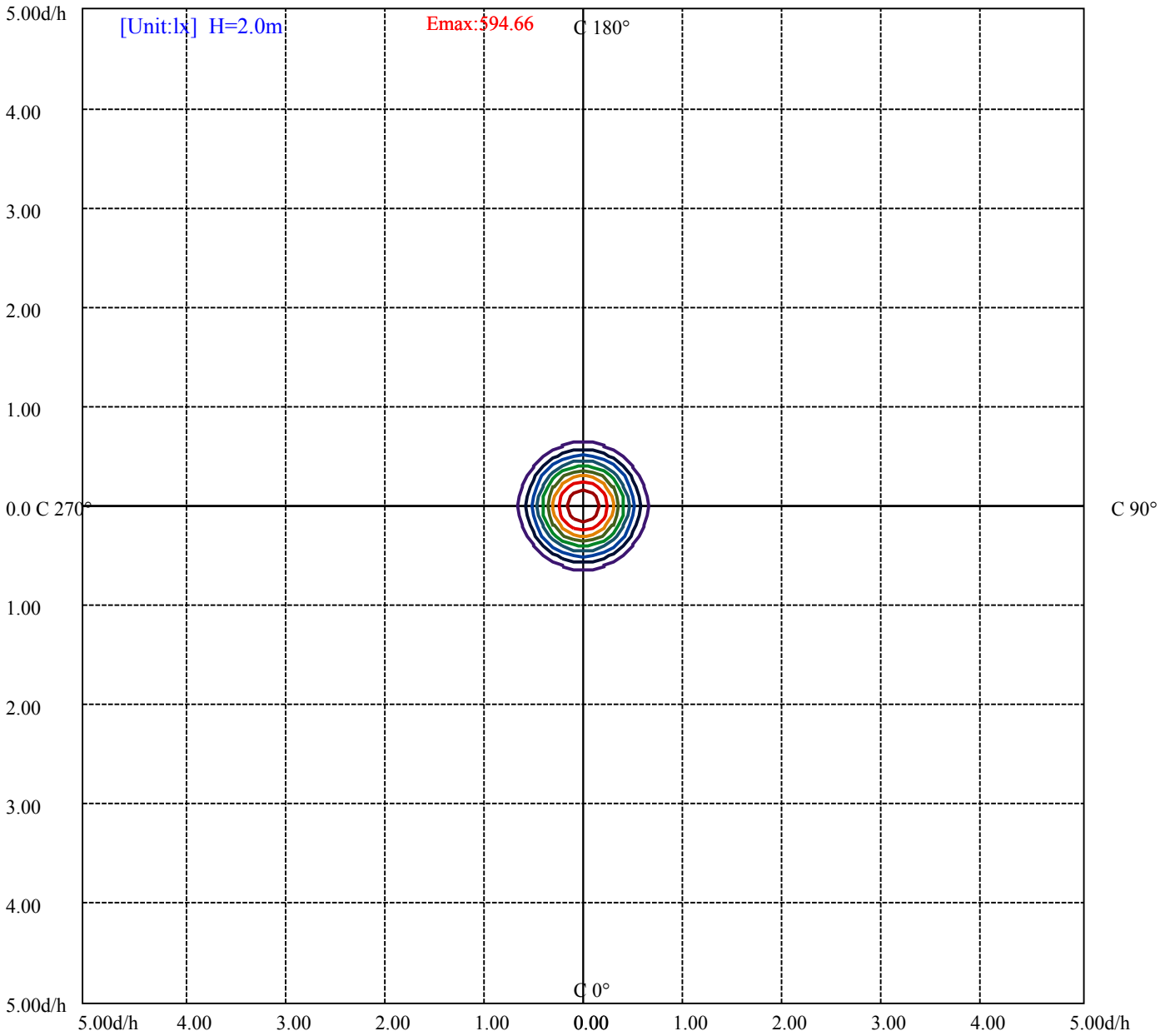
House

[Unit:cd]

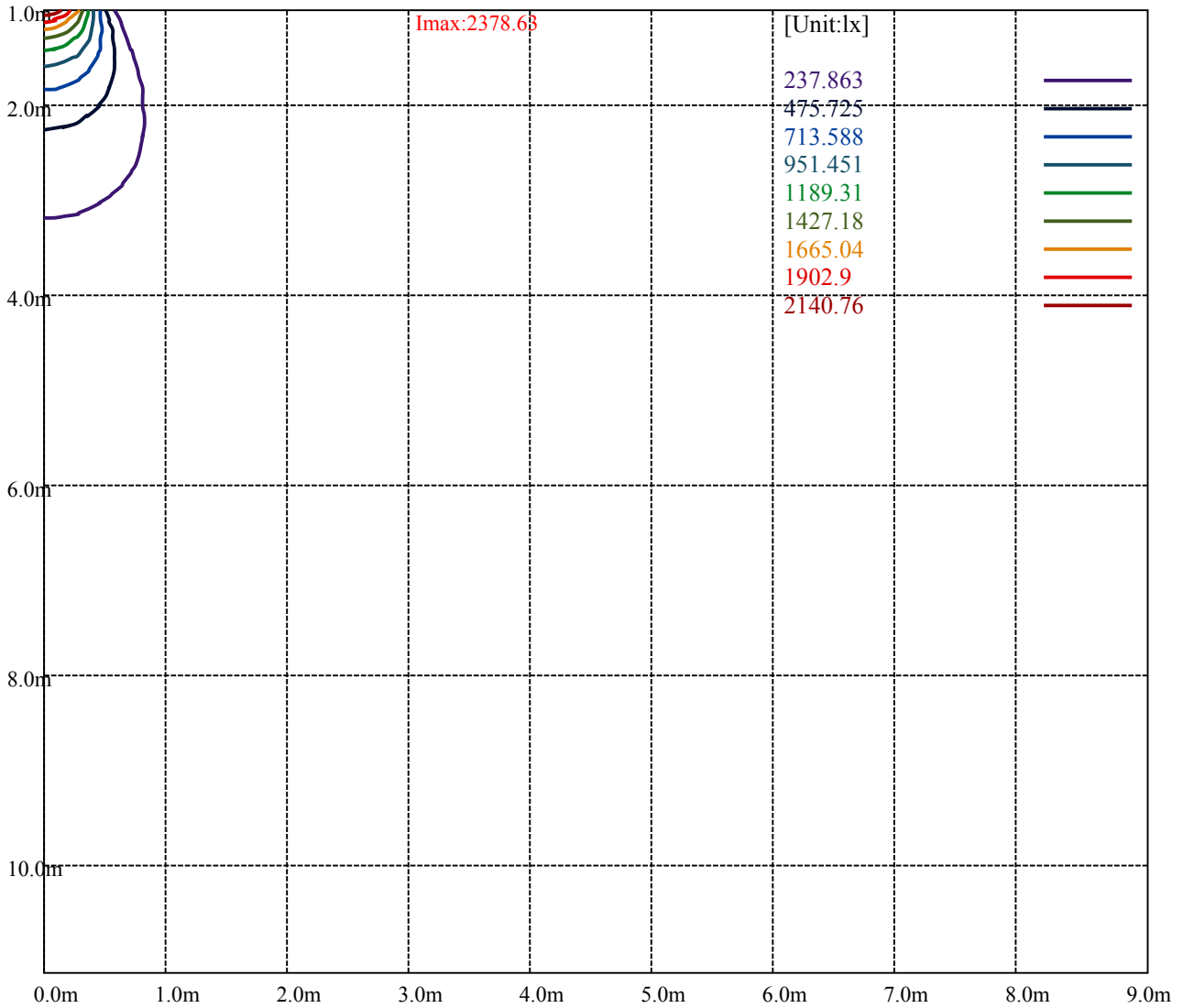
Road

Imax:2378.63

(10%Imax)	237.863	—
(20%Imax)	475.725	—
(30%Imax)	713.588	—
(40%Imax)	951.451	—
(50%Imax)	1189.31	—
(60%Imax)	1427.18	—
(70%Imax)	1665.04	—
(80%Imax)	1902.9	—
(90%Imax)	2140.76	—



- (10%Emax) 59.46575
- (20%Emax) 118.9313
- (30%Emax) 178.397
- (40%Emax) 237.8627
- (50%Emax) 297.3275
- (60%Emax) 356.795
- (70%Emax) 416.26
- (80%Emax) 475.725
- (90%Emax) 535.19



Luminance Table

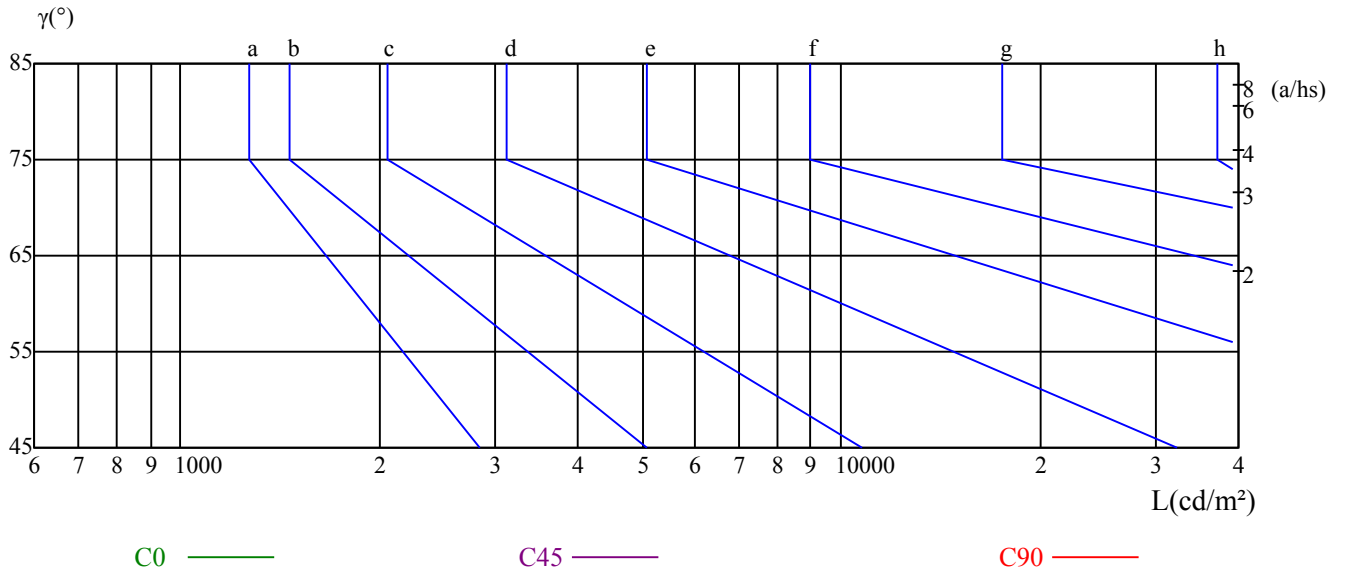
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

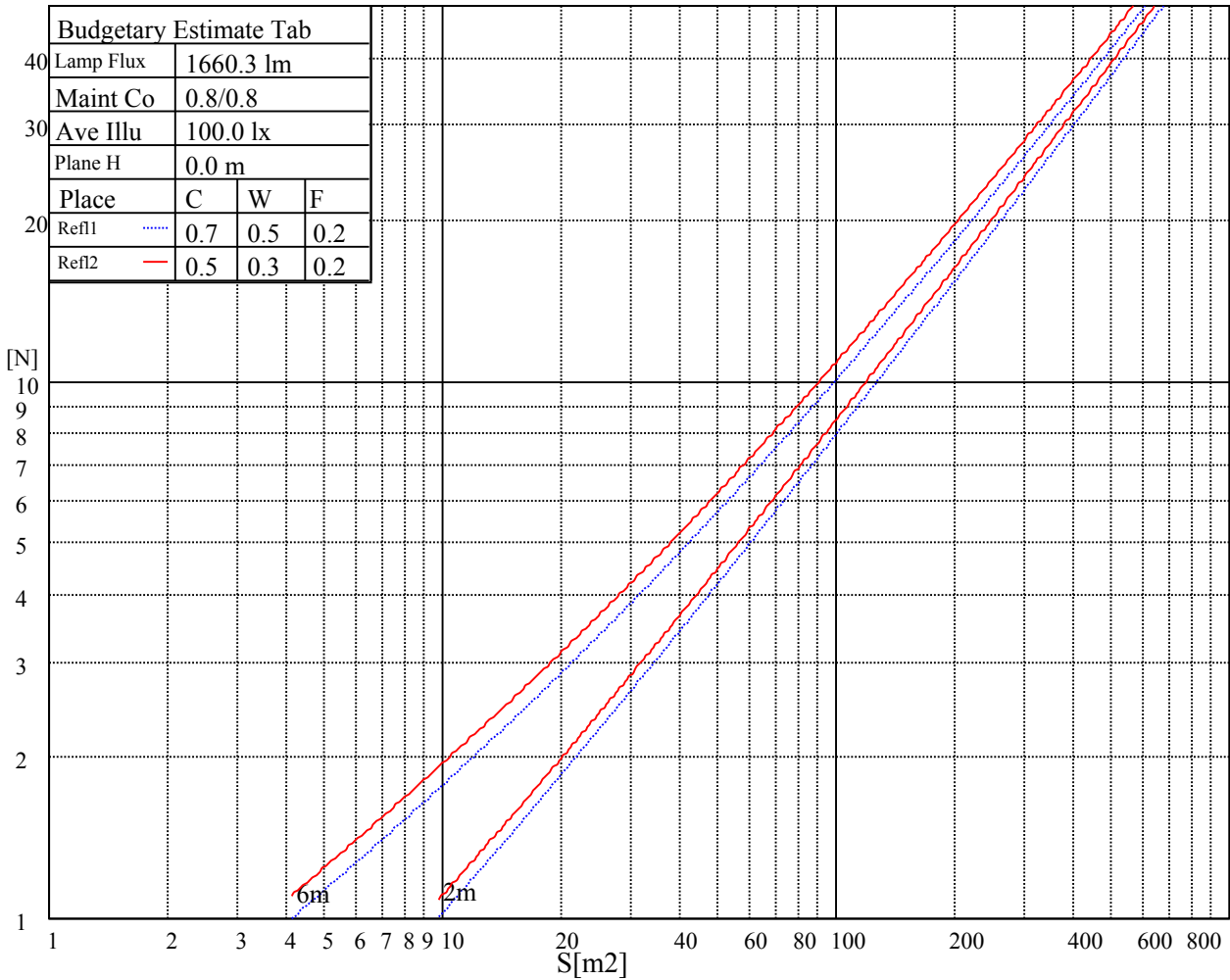
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

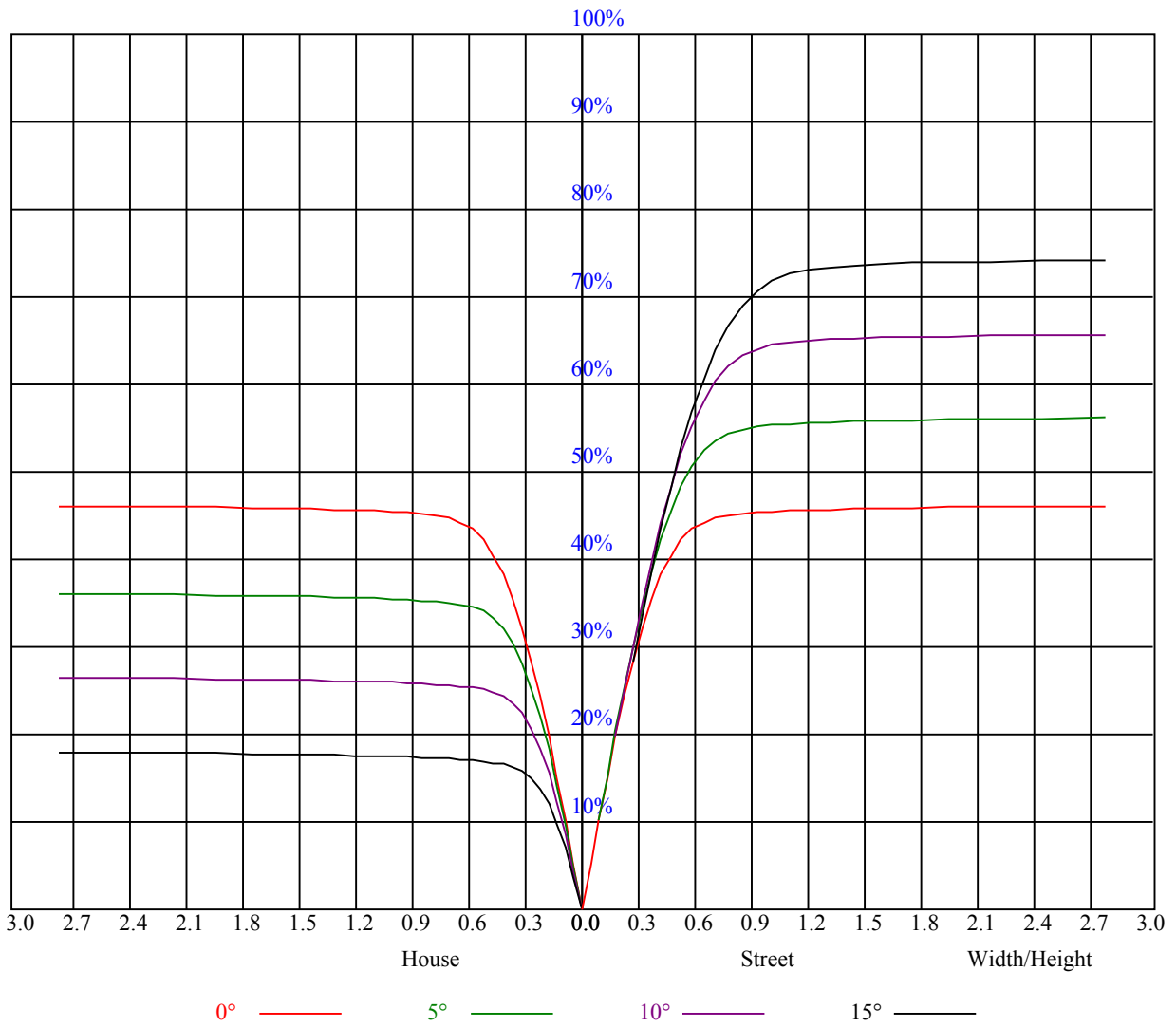


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	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	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	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	0.83	0.90	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.69
6	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.65
7	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
8	0.70	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.54



Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	2371.85	2369.08	2365.20	2357.45	2339.19	2324.24	2307.08	2287.16	2255.60
45.0	2379.60	2379.60	2379.60	2371.85	2364.10	2347.49	2334.76	2317.60	2297.12
90.0	2380.70	2376.83	2371.29	2362.99	2350.26	2337.53	2320.92	2300.44	2278.85
135.0	2382.36	2376.83	2376.83	2368.53	2353.58	2343.06	2327.56	2312.62	2289.37
180.0	2371.85	2373.51	2369.63	2363.54	2354.13	2344.72	2326.46	2308.19	2296.01
225.0	2379.60	2376.83	2369.63	2359.12	2352.47	2335.31	2318.71	2295.46	2274.42
270.0	2380.70	2380.70	2381.81	2374.61	2370.74	2362.99	2351.37	2333.10	2313.73
315.0	2382.36	2378.49	2376.27	2370.74	2358.01	2346.94	2326.46	2307.64	2279.96
360.0	2371.85	2369.08	2365.20	2357.45	2339.19	2324.24	2307.08	2287.16	2255.60
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2228.48	2193.61	2147.11	2105.04	2054.67	1991.57	1932.34	1869.24	1781.22
45.0	2278.30	2251.18	2214.09	2172.57	2136.59	2090.65	2029.21	1977.18	1923.48
90.0	2258.37	2226.82	2193.05	2157.63	2118.88	2061.87	2014.82	1966.10	1909.64
135.0	2268.34	2246.75	2219.07	2181.43	2150.99	2109.47	2067.96	2002.64	1956.14
180.0	2282.73	2255.05	2229.03	2200.80	2162.06	2124.42	2080.69	2034.74	1976.62
225.0	2250.07	2215.20	2178.11	2142.68	2087.33	2037.51	1991.57	1926.80	1875.32
270.0	2285.49	2258.37	2227.37	2195.27	2144.90	2103.38	2055.22	1994.89	1941.75
315.0	2245.64	2220.73	2183.64	2142.13	2098.95	2051.35	1990.46	1931.23	1866.47
360.0	2228.48	2193.61	2147.11	2105.04	2054.67	1991.57	1932.34	1869.24	1781.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1701.51	1617.93	1533.24	1421.43	1332.86	1093.62	1093.62	1015.79	900.33
45.0	1844.33	1772.37	1675.50	1591.91	1507.22	1420.32	1311.27	1224.37	1128.05
90.0	1827.17	1752.99	1651.14	1567.56	1480.65	1368.84	1214.40	1080.61	1080.61
135.0	1906.88	1843.77	1757.42	1682.14	1603.54	1503.35	1422.53	1312.93	1220.49
180.0	1932.34	1876.99	1800.04	1738.05	1648.37	1571.43	1498.37	1409.80	1310.72
225.0	1812.22	1728.64	1656.12	1577.52	1497.26	1396.52	1314.59	1092.68	1092.68
270.0	1881.97	1811.67	1734.17	1637.86	1554.27	1465.71	1363.30	1274.18	1191.15
315.0	1794.51	1697.09	1611.84	1526.60	1439.14	1331.75	1078.79	1078.79	1025.59
360.0	1701.51	1617.93	1533.24	1421.43	1332.86	1093.62	1093.62	1015.79	900.33
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	782.92	645.31	540.86	423.23	338.32	261.82	183.00	137.50	107.55
45.0	1017.90	867.89	749.99	637.06	532.45	411.78	324.87	285.02	285.02
90.0	939.35	819.57	705.48	596.71	466.08	369.98	283.74	210.68	141.54
135.0	1120.86	983.02	868.44	753.31	641.49	513.63	418.97	331.51	290.55
180.0	1224.37	1127.50	1017.90	873.42	756.63	639.28	530.79	409.56	324.32
225.0	1017.29	907.74	794.43	652.90	545.23	448.92	338.65	261.49	198.00
270.0	1068.27	959.78	846.30	701.27	592.78	492.59	373.58	290.00	290.00
315.0	913.89	772.57	659.15	550.38	427.22	337.38	258.72	193.29	133.29
360.0	782.92	645.31	540.86	423.23	338.32	261.82	183.00	137.50	107.55
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	89.34	76.89	64.99	57.68	51.37	44.50	39.80	35.92	31.77
45.0	125.93	100.63	81.70	70.74	60.72	54.19	48.21	43.12	37.81
90.0	107.11	86.46	71.13	62.05	53.47	47.60	42.46	38.08	33.32
135.0	290.55	123.05	95.10	78.88	65.54	57.51	49.49	43.95	39.30
180.0	285.57	285.57	127.48	96.59	81.87	70.35	61.22	52.42	46.61
225.0	138.72	108.49	89.51	76.06	63.05	54.97	48.43	43.07	37.47
270.0	202.59	111.48	90.17	76.00	64.82	54.30	47.55	42.18	36.64
315.0	103.57	85.69	73.01	61.00	53.25	46.77	40.35	36.04	32.27
360.0	89.34	76.89	64.99	57.68	51.37	44.50	39.80	35.92	31.77

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	29.06	26.74	24.47	22.97	21.59	20.09	19.15	18.27	17.44
45.0	34.10	31.05	28.45	25.79	24.02	22.58	21.26	19.76	18.82
90.0	30.17	27.40	25.19	23.08	21.64	20.43	19.04	18.10	17.33
135.0	34.37	31.05	28.23	25.85	23.41	21.92	20.65	19.54	18.32
180.0	41.57	37.42	33.10	30.22	27.68	25.68	23.69	22.25	20.98
225.0	33.77	30.67	27.34	25.24	23.19	21.75	20.48	19.32	18.16
270.0	32.77	29.61	26.29	24.13	22.09	20.76	19.60	18.54	17.60
315.0	28.51	26.02	24.02	22.09	20.81	19.65	18.60	17.44	16.66
360.0	29.06	26.74	24.47	22.97	21.59	20.09	19.15	18.27	17.44
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.50	15.83	15.22	14.72	14.17	13.56	13.17	12.68	12.29
45.0	17.71	16.94	16.22	15.44	14.89	14.39	13.89	13.34	12.90
90.0	16.38	15.78	15.06	14.50	14.06	13.62	13.12	12.79	12.40
135.0	17.44	16.72	15.89	15.28	14.67	14.17	13.67	13.34	12.84
180.0	19.60	18.65	17.60	16.83	16.16	15.61	14.89	14.39	13.89
225.0	17.27	16.55	15.83	15.06	14.50	14.00	13.56	13.01	12.62
270.0	16.61	15.83	15.22	14.50	14.00	13.56	13.17	12.68	12.29
315.0	15.94	15.28	14.61	14.12	13.67	13.12	12.79	12.34	12.01
360.0	16.50	15.83	15.22	14.72	14.17	13.56	13.17	12.68	12.29
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.85	11.51	11.24	10.96	10.63	10.35	10.07	9.85	9.58
45.0	12.57	12.18	11.73	11.40	11.13	10.79	10.52	10.19	9.96
90.0	12.07	11.73	11.40	11.13	10.90	10.57	10.30	10.07	9.80
135.0	12.57	12.18	11.90	11.51	11.24	10.96	10.68	10.41	10.19
180.0	13.45	13.01	12.62	12.23	11.79	11.46	11.18	10.85	10.52
225.0	12.12	11.85	11.51	11.13	10.85	10.63	10.30	10.02	9.80
270.0	11.90	11.57	11.29	10.96	10.68	10.46	10.24	9.96	9.74
315.0	11.68	11.35	11.02	10.79	10.57	10.30	10.02	9.80	9.58
360.0	11.85	11.51	11.24	10.96	10.63	10.35	10.07	9.85	9.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.35	9.13	8.91	8.64	8.41	8.19	7.97	7.75	7.53
45.0	9.69	9.52	9.24	9.02	8.80	8.58	8.36	8.14	7.92
90.0	9.58	9.35	9.13	8.91	8.69	8.47	8.25	8.03	7.86
135.0	9.91	9.69	9.52	9.19	9.02	8.80	8.58	8.36	8.19
180.0	10.30	9.96	9.74	9.52	9.24	9.02	8.80	8.58	8.36
225.0	9.58	9.35	9.13	8.97	8.69	8.47	8.30	8.08	7.86
270.0	9.58	9.35	9.13	8.91	8.69	8.47	8.30	8.03	7.86
315.0	9.41	9.13	8.97	8.69	8.47	8.30	8.08	7.92	7.64
360.0	9.35	9.13	8.91	8.64	8.41	8.19	7.97	7.75	7.53
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.42	7.25	7.09	6.92	6.86	6.75	6.59	6.53	6.53
45.0	7.69	7.47	7.25	7.14	7.03	6.86	6.75	6.81	6.48
90.0	7.64	7.42	7.25	7.09	6.97	6.81	6.75	6.81	6.48
135.0	7.92	7.75	7.53	7.36	7.20	7.03	6.92	6.81	6.81
180.0	8.14	7.86	7.64	7.47	7.31	7.14	6.97	6.81	6.75
225.0	7.69	7.47	7.31	7.20	6.97	6.86	6.75	6.70	6.59
270.0	7.69	7.53	7.36	7.20	7.03	6.92	6.81	6.70	6.59
315.0	7.47	7.31	7.20	7.03	6.92	6.86	6.75	6.59	6.53
360.0	7.42	7.25	7.09	6.92	6.86	6.75	6.59	6.53	6.53

Intensity data(cd)

C/γ(°)	90.0
0.0	6.59
45.0	6.48
90.0	6.48
135.0	6.59
180.0	6.75
225.0	6.48
270.0	6.48
315.0	6.59
360.0	6.59