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Address: 380 JinOu Road, GaoXin Zone, Jiang Men City, Guangdong, China

Client:

LumCAT: 4-2640-A

Luminaire: 91.70.131.00

Report No: 20230304-B003

Ballast type: DC

Test No: 20230304-C003

LampCAT: CITIZEN CLU038

Lamp flux(lm): 2186.2

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.320

Current(A): 0.431

Power (W): 15.229

PF: 0.000

Width(mm): 0

Height(mm): 0

### Photometric Results

Lumens(lm): 2006.14, Efficiency(%): 91.76% , Luminous Efficacy(lm/W): 131.73

Central intensity(cd): 29526.300, Maximum intensity(cd): 29526.300

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

Beam Angle(50%Imax): [C0/180]Total=10.6

[C90/270]Total=10.6

Field angle(10%Imax): [C0/180]Total=19.8

[C90/270]Total=19.8

Maximum s/h(1/2): C0\_180=0.19 C90\_270=0.19

Maximum s/h(1/4): C0\_180=0.18 C90\_270=0.18

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.76%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.610%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2022/12/29  
Humidity(%): 65.0%

Operator: NT07  
Distance(m): 7.73

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	29526.299	0.000	0	0.00%	0.00%
1.0	29042.301	28.024	28.024	1.28%	1.40%
2.0	27515.613	81.177	109.201	3.71%	5.44%
3.0	24683.324	124.843	234.044	5.71%	11.67%
4.0	20839.721	152.380	386.424	6.97%	19.26%
5.0	16502.332	160.644	547.068	7.35%	27.27%
6.0	11522.824	147.280	694.347	6.74%	34.61%
7.0	8642.585	125.166	819.514	5.73%	40.85%
8.0	6089.119	105.432	924.946	4.82%	46.11%
9.0	4215.268	83.511	1008.457	3.82%	50.27%
10.0	2851.857	63.955	1072.412	2.93%	53.46%
11.0	2157.080	50.050	1122.462	2.29%	55.95%
12.0	1553.971	40.567	1163.029	1.86%	57.97%
13.0	1223.956	32.967	1195.996	1.51%	59.62%
14.0	1066.724	29.320	1225.316	1.34%	61.08%
15.0	964.890	27.891	1253.207	1.28%	62.47%
16.0	897.660	27.292	1280.499	1.25%	63.83%
17.0	847.483	27.177	1307.675	1.24%	65.18%
18.0	817.084	27.445	1335.12	1.26%	66.55%
19.0	793.444	28.020	1363.14	1.28%	67.95%
20.0	773.860	28.686	1391.826	1.31%	69.38%
21.0	756.442	29.385	1421.211	1.34%	70.84%
22.0	741.429	30.100	1451.311	1.38%	72.34%
23.0	728.829	30.850	1482.161	1.41%	73.88%
24.0	717.752	31.627	1513.789	1.45%	75.46%
25.0	708.961	32.440	1546.229	1.48%	77.07%
26.0	701.081	33.284	1579.513	1.52%	78.73%
27.0	693.686	34.123	1613.637	1.56%	80.44%
28.0	685.448	34.917	1648.553	1.60%	82.18%
29.0	678.009	35.672	1684.225	1.63%	83.95%
30.0	670.913	36.421	1720.646	1.67%	85.77%
31.0	662.428	37.105	1757.751	1.70%	87.62%
32.0	648.752	37.564	1795.315	1.72%	89.49%
33.0	611.026	37.114	1832.428	1.70%	91.34%
34.0	538.471	34.787	1867.215	1.59%	93.08%
35.0	427.263	29.992	1897.207	1.37%	94.57%
36.0	330.471	24.126	1921.334	1.10%	95.77%
37.0	210.009	17.627	1938.961	0.81%	96.65%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	121.918	11.079	1950.041	0.51%	97.20%
39.0	50.207	5.875	1955.916	0.27%	97.50%
40.0	23.334	2.565	1958.48	0.12%	97.62%
41.0	18.367	1.485	1959.965	0.07%	97.70%
42.0	16.313	1.260	1961.225	0.06%	97.76%
43.0	15.491	1.178	1962.403	0.05%	97.82%
44.0	15.058	1.153	1963.556	0.05%	97.88%
45.0	14.699	1.144	1964.7	0.05%	97.93%
46.0	14.221	1.131	1965.831	0.05%	97.99%
47.0	13.407	1.099	1966.93	0.05%	98.05%
48.0	11.966	1.026	1967.956	0.05%	98.10%
49.0	10.629	0.928	1968.883	0.04%	98.14%
50.0	10.024	0.861	1969.744	0.04%	98.19%
51.0	9.882	0.842	1970.587	0.04%	98.23%
52.0	9.747	0.842	1971.429	0.04%	98.27%
53.0	9.620	0.842	1972.271	0.04%	98.31%
54.0	9.516	0.843	1973.115	0.04%	98.35%
55.0	9.433	0.846	1973.961	0.04%	98.40%
56.0	9.344	0.848	1974.809	0.04%	98.44%
57.0	9.284	0.852	1975.661	0.04%	98.48%
58.0	9.239	0.857	1976.517	0.04%	98.52%
59.0	9.187	0.861	1977.379	0.04%	98.57%
60.0	9.157	0.867	1978.246	0.04%	98.61%
61.0	9.105	0.871	1979.117	0.04%	98.65%
62.0	9.068	0.876	1979.993	0.04%	98.70%
63.0	9.030	0.880	1980.873	0.04%	98.74%
64.0	9.023	0.886	1981.759	0.04%	98.78%
65.0	8.993	0.892	1982.65	0.04%	98.83%
66.0	8.963	0.896	1983.546	0.04%	98.87%
67.0	8.941	0.900	1984.446	0.04%	98.92%
68.0	8.933	0.905	1985.352	0.04%	98.96%
69.0	8.903	0.910	1986.262	0.04%	99.01%
70.0	8.903	0.915	1987.176	0.04%	99.05%
71.0	8.873	0.919	1988.095	0.04%	99.10%
72.0	8.873	0.923	1989.018	0.04%	99.15%
73.0	8.866	0.928	1989.945	0.04%	99.19%
74.0	8.866	0.932	1990.878	0.04%	99.24%
75.0	8.851	0.936	1991.814	0.04%	99.29%

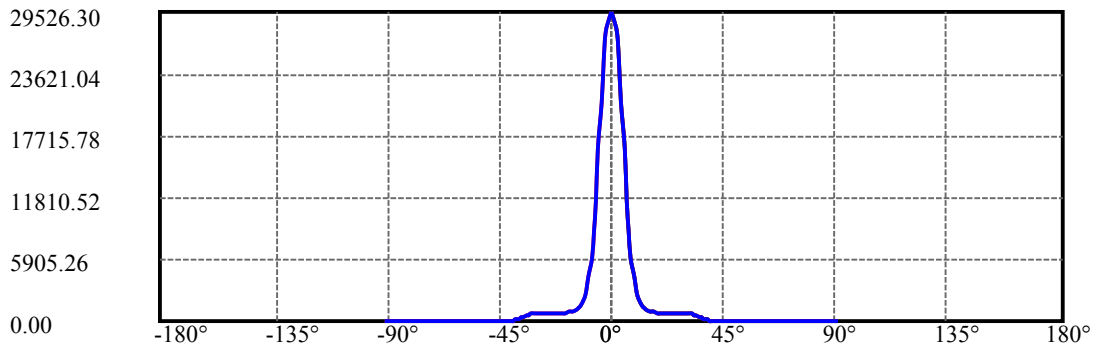
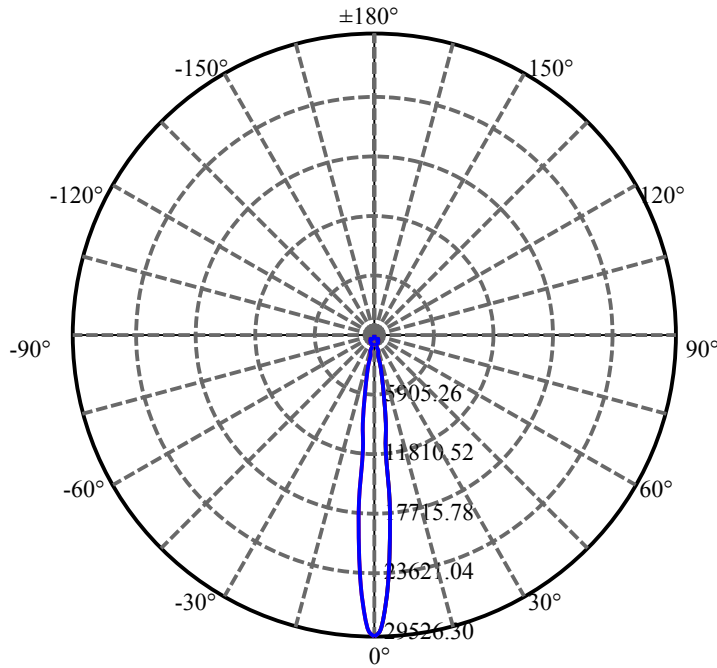
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.851	0.940	1992.753	0.04%	99.33%
77.0	8.843	0.943	1993.697	0.04%	99.38%
78.0	8.821	0.946	1994.642	0.04%	99.43%
79.0	8.821	0.948	1995.59	0.04%	99.47%
80.0	8.821	0.951	1996.541	0.04%	99.52%
81.0	8.828	0.954	1997.496	0.04%	99.57%
82.0	8.821	0.957	1998.453	0.04%	99.62%
83.0	8.828	0.959	1999.412	0.04%	99.66%
84.0	8.821	0.962	2000.374	0.04%	99.71%
85.0	8.784	0.961	2001.335	0.04%	99.76%
86.0	8.776	0.960	2002.295	0.04%	99.81%
87.0	8.769	0.960	2003.255	0.04%	99.86%
88.0	8.754	0.960	2004.215	0.04%	99.90%
89.0	8.761	0.960	2005.175	0.04%	99.95%
90.0	8.776	0.962	2006.136	0.04%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1720.65	78.71%	85.77%
0-40	1958.48	89.59%	97.62%
0-60	1978.25	90.49%	98.61%
0-90	2005.17	91.72%	99.95%
0-120	2005.17	91.72%	99.95%
0-180	2006.14	91.76%	100.00%
60-90	26.93	1.23%	1.34%
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%
0-26.74	1604.91	73.41%	80.00%

## ZONAL LUMEN SUMMARY

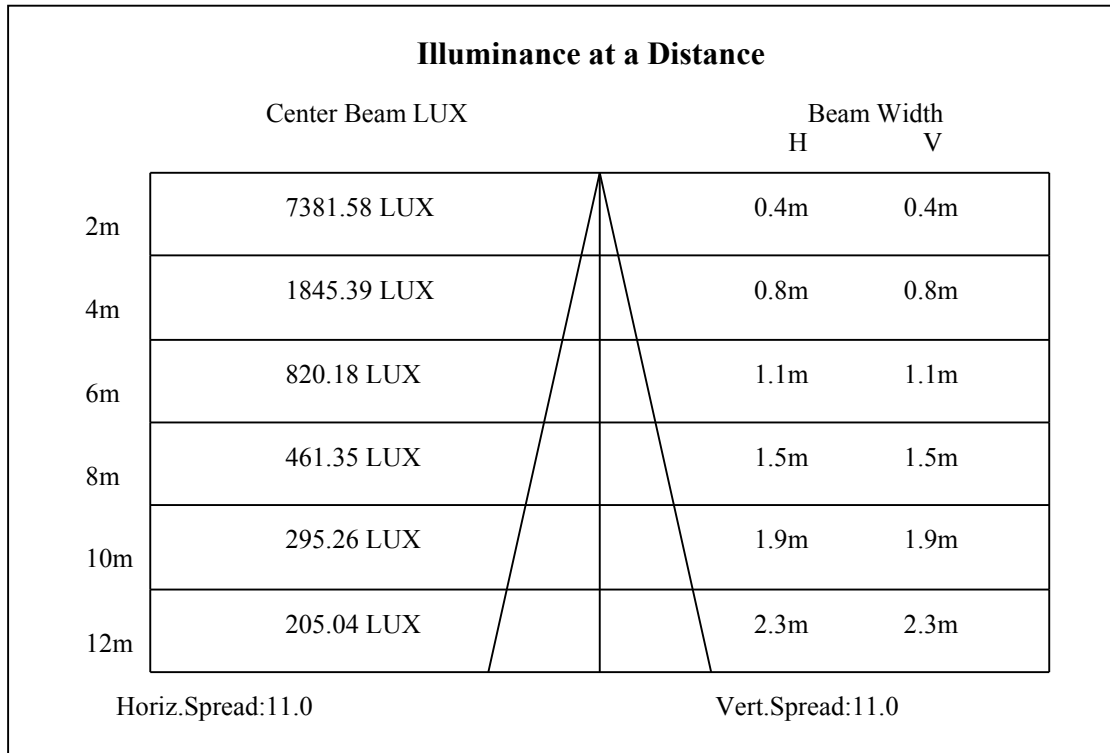
0-10	1072.41
10-20	319.41
20-30	328.82
30-40	237.83
40-50	11.26
50-60	8.50
60-70	8.93
70-80	9.37
80-90	8.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

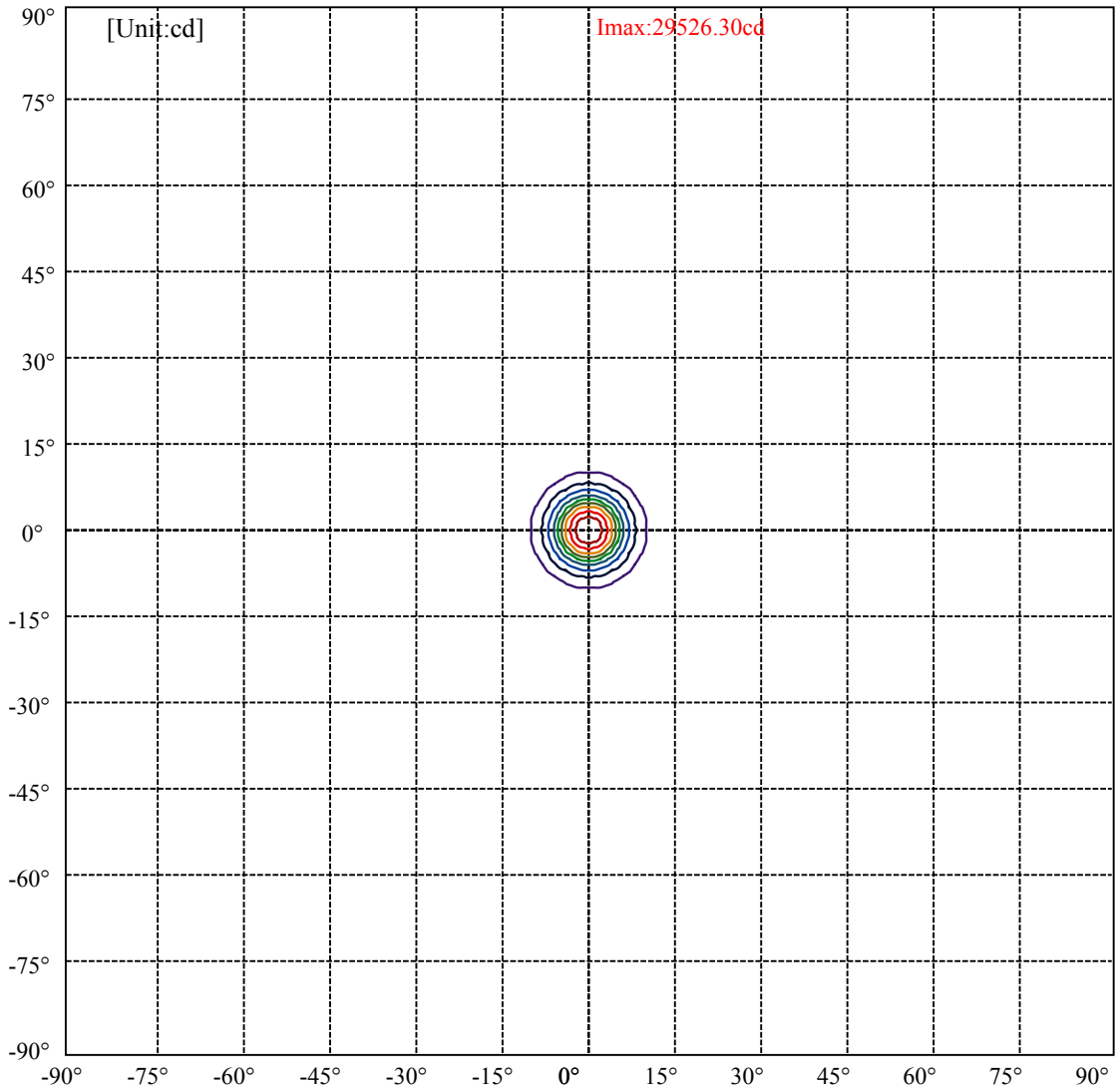


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:9.9 Right:9.9  
:C90/270Left:9.9 Right:9.9

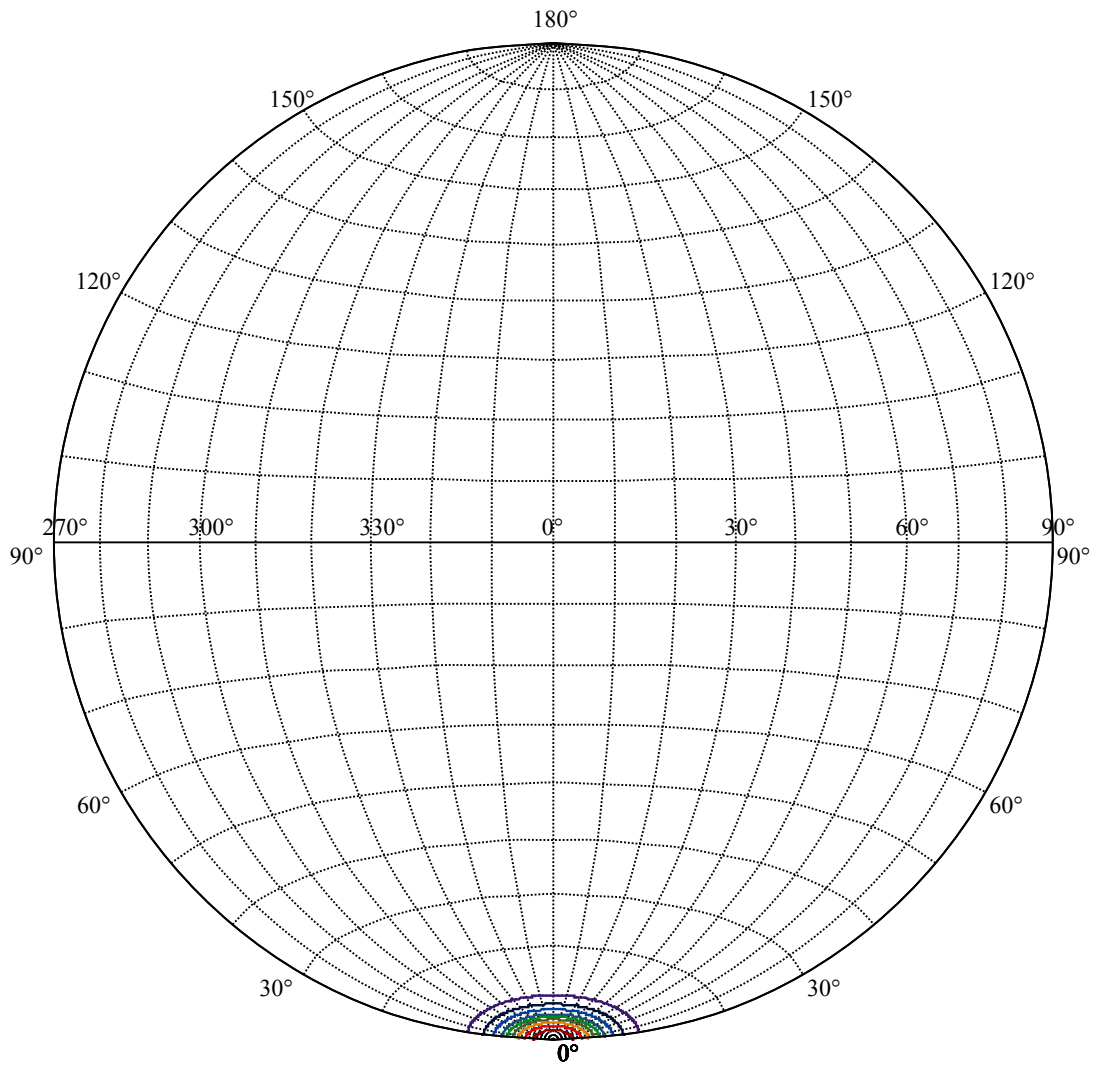
Beam Angle(50%Imax):C0/180Left:5.3 Right:5.3  
:C90/270Left:5.3 Right:5.3





(10%Imax) 2952.63	—
(20%Imax) 5905.26	—
(30%Imax) 8857.89	—
(40%Imax) 11810.5	—
(50%Imax) 14763.2	—
(60%Imax) 17715.8	—
(70%Imax) 20668.4	—
(80%Imax) 23621	—
(90%Imax) 26573.7	—





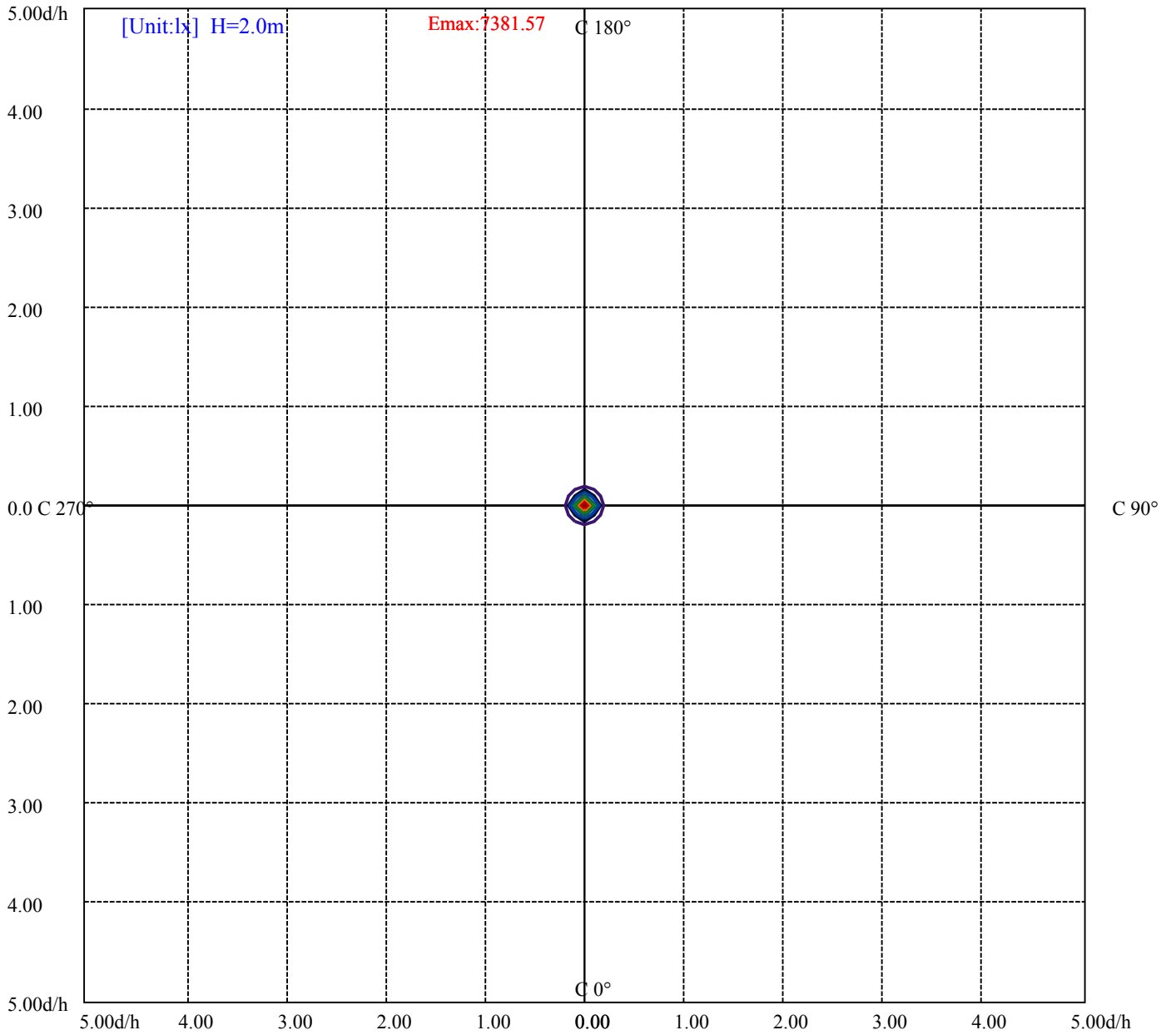
House

[Unit:cd]

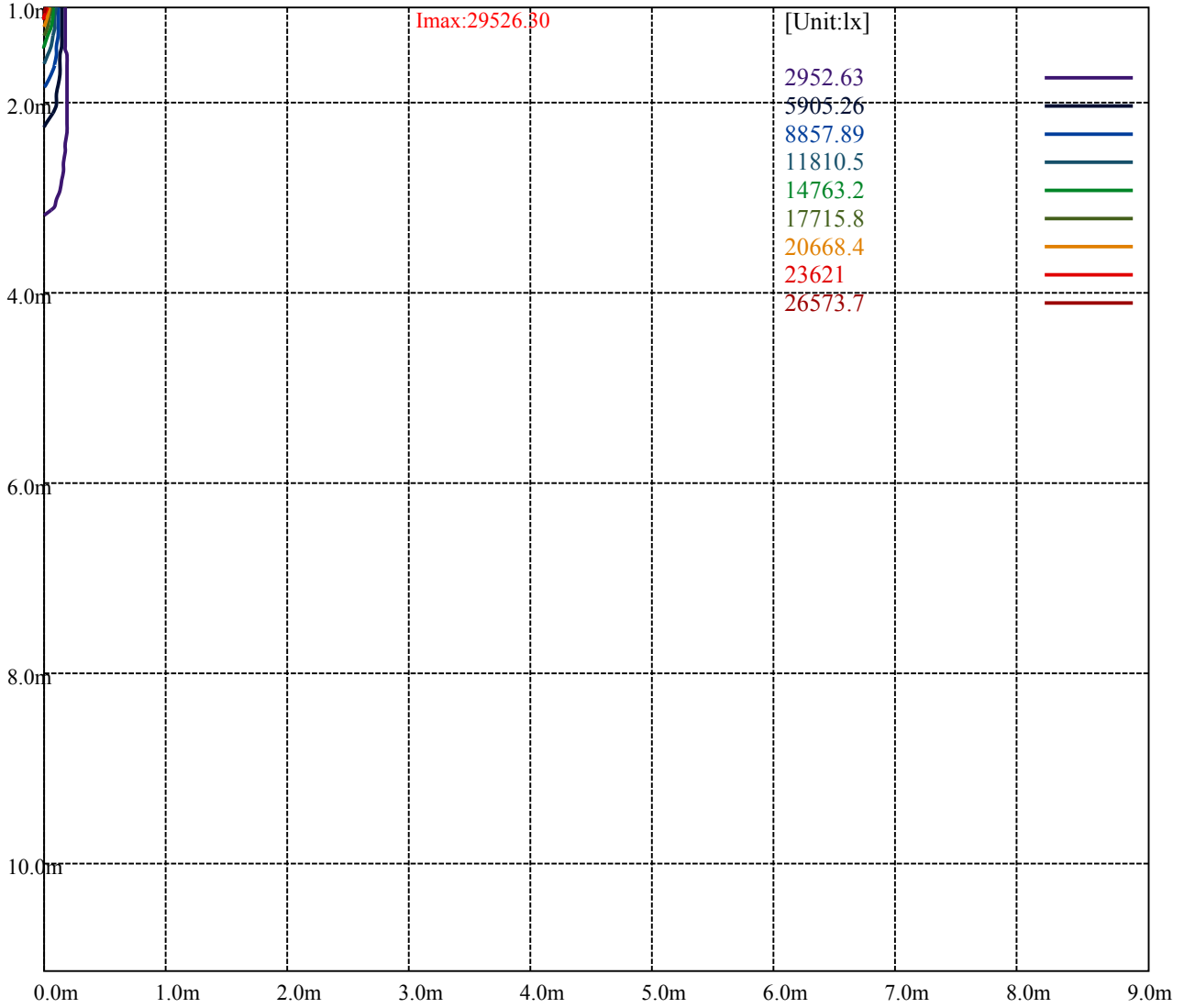
Road

**Imax:29526.30**

(10%Imax) 2952.63	—
(20%Imax) 5905.26	—
(30%Imax) 8857.89	—
(40%Imax) 11810.5	—
(50%Imax) 14763.2	—
(60%Imax) 17715.8	—
(70%Imax) 20668.4	—
(80%Imax) 23621	—
(90%Imax) 26573.7	—



(10%Emax) 738.155	—
(20%Emax) 1476.313	—
(30%Emax) 2214.468	—
(40%Emax) 2952.625	—
(50%Emax) 3690.775	—
(60%Emax) 4428.925	—
(70%Emax) 5167.1	—
(80%Emax) 5905.25	—
(90%Emax) 6643.4	—



Luminance Table

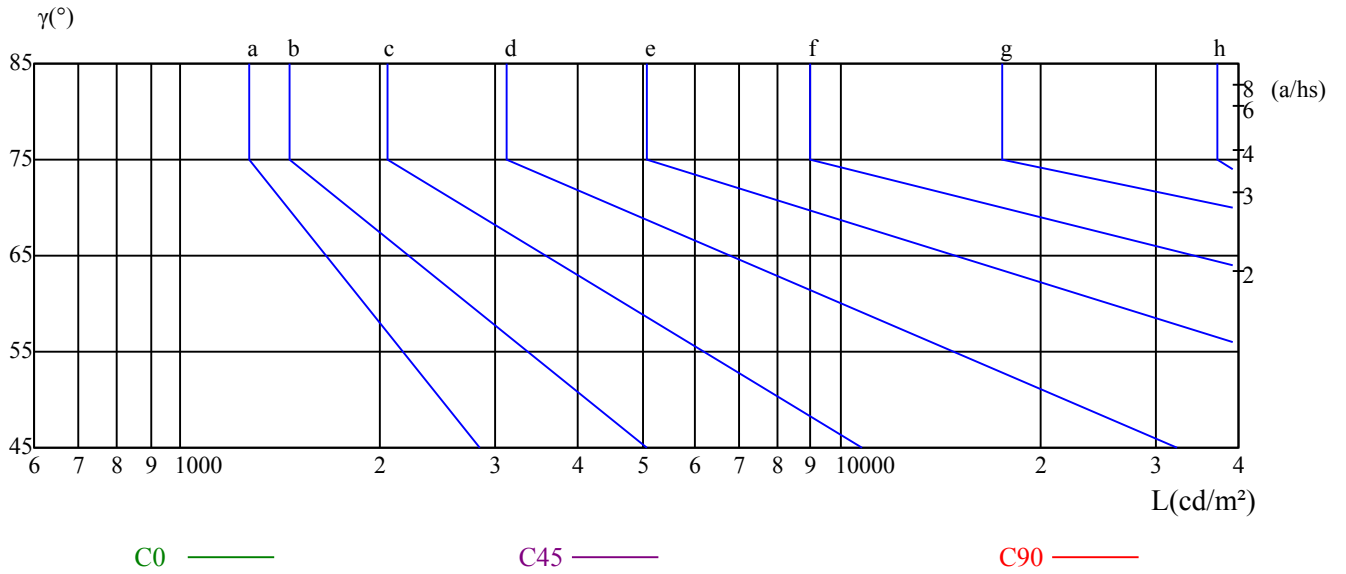
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

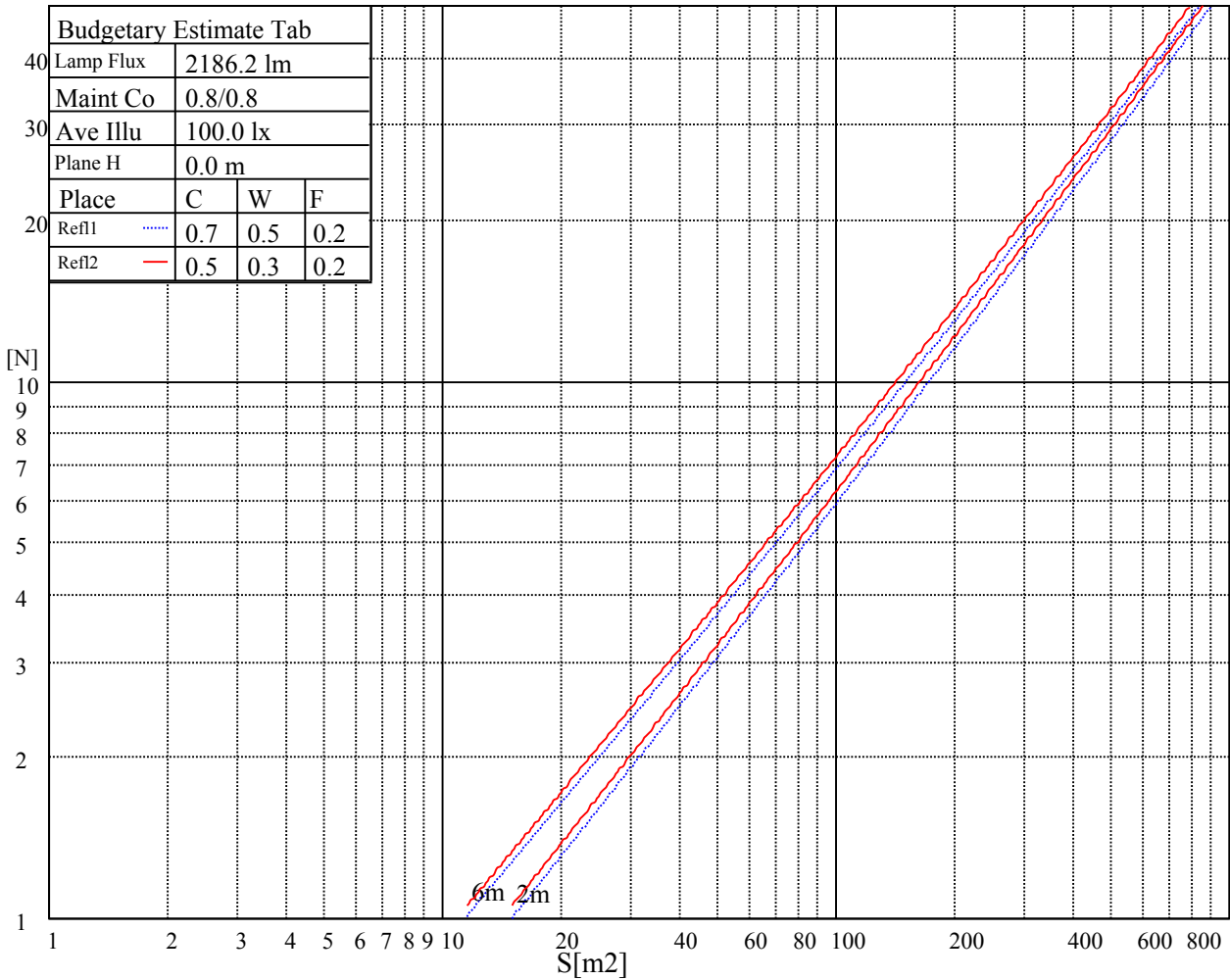
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

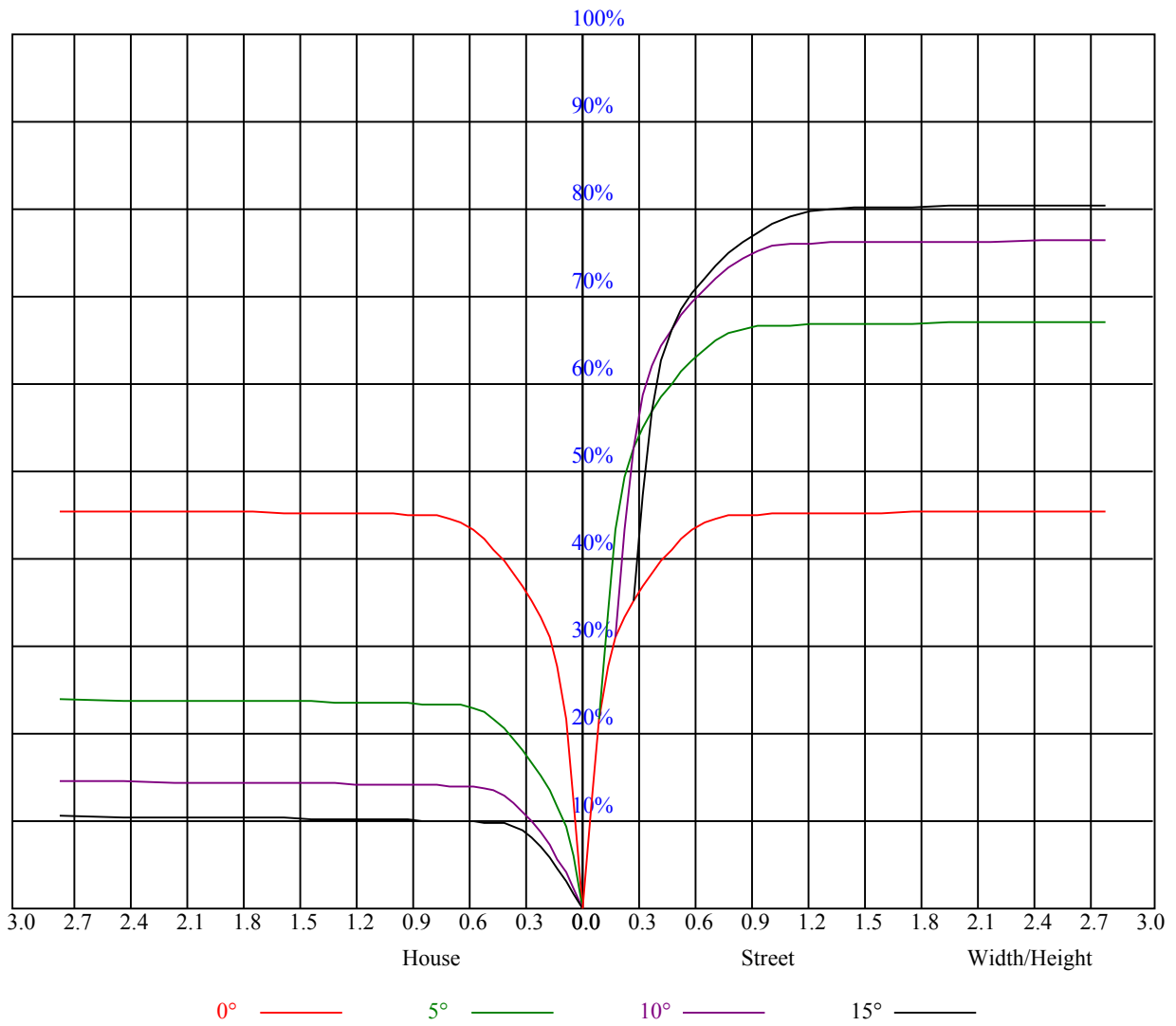


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	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
	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	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
	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
8H	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	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	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	1.09	1.09	1.09	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	1.02	1.00	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.93	0.91	0.91	0.90	0.88
2	0.98	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.89	0.88	0.87	0.85
3	0.94	0.91	0.88	0.93	0.90	0.88	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.84	0.82
4	0.91	0.87	0.84	0.90	0.86	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.85	0.83	0.81	0.80
5	0.87	0.84	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.84	0.81	0.79	0.83	0.80	0.79	0.78
6	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.81	0.78	0.76	0.76
7	0.82	0.78	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.76	0.75	0.74
8	0.80	0.76	0.74	0.79	0.76	0.74	0.79	0.75	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.72
9	0.78	0.74	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.76	0.73	0.71	0.70
10	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.70	0.69





## 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	29266.37	29690.62	29242.47	27772.55	25191.23	21492.52	16144.64	12105.34	8753.20
45.0	29451.61	28453.73	26314.58	22018.35	17829.67	13599.16	9045.99	6297.36	4361.36
90.0	29595.01	28376.05	25645.35	22030.30	17279.94	11456.42	8870.92	5896.42	4076.94
135.0	29792.20	29200.64	27414.03	24265.06	20428.92	16234.27	11304.65	8131.77	5753.61
180.0	29266.37	27790.48	25286.83	21229.61	16562.91	11606.40	8767.54	5951.99	4136.69
225.0	29451.61	29565.14	28895.90	26924.06	23087.92	19526.65	11661.38	10789.58	7437.44
270.0	29595.01	29750.37	29087.11	27234.77	24223.23	20166.01	14722.52	10808.70	7731.43
315.0	29792.20	29511.36	28238.62	25991.91	22113.95	17937.22	11664.96	9159.52	6462.28
360.0	29266.37	29690.62	29242.47	27772.55	25191.23	21492.52	16144.64	12105.34	8753.20

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6159.93	3913.22	3112.53	1961.69	1429.29	1188.49	1040.30	942.30	880.16
45.0	3154.36	1990.37	1524.30	1215.97	1039.70	949.47	884.94	847.89	816.22
90.0	2734.89	1928.23	1499.20	1176.53	1027.81	938.24	879.80	841.56	808.16
135.0	3829.56	3058.75	1884.61	1506.37	1161.00	1023.57	947.08	876.58	837.14
180.0	2865.15	1927.63	1503.98	1188.66	1056.31	956.64	901.91	854.53	821.00
225.0	5261.24	3572.03	2495.28	1888.79	1457.97	1192.37	1051.47	962.08	886.43
270.0	5209.86	3524.82	3118.50	1870.27	1444.83	1208.20	1040.30	951.27	883.15
315.0	4507.16	2899.81	2118.24	1623.49	1174.74	1076.81	973.31	905.08	847.59
360.0	6159.93	3913.22	3112.53	1961.69	1429.29	1188.49	1040.30	942.30	880.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	844.91	814.43	794.12	774.40	758.26	743.92	730.78	720.62	712.85
45.0	792.32	775.59	759.46	742.73	731.38	720.62	709.27	700.90	693.73
90.0	786.95	768.90	748.88	734.72	723.31	712.49	703.17	695.58	687.70
135.0	813.24	788.14	769.02	753.48	736.75	724.21	714.64	704.49	696.72
180.0	796.33	774.16	757.79	739.14	723.97	714.17	705.14	697.08	690.21
225.0	846.40	818.08	793.70	774.58	755.46	739.62	727.55	718.65	709.98
270.0	839.53	813.24	792.92	773.20	758.26	744.52	730.78	721.82	713.45
315.0	817.00	795.01	775.00	759.28	744.04	731.08	720.68	712.55	704.01
360.0	844.91	814.43	794.12	774.40	758.26	743.92	730.78	720.62	712.85

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	705.68	696.72	689.55	682.98	673.42	666.24	656.09	610.67	512.68
45.0	684.77	676.40	668.63	660.27	652.50	636.37	566.46	471.45	352.54
90.0	680.76	673.06	665.23	658.30	650.05	635.23	576.68	484.30	350.93
135.0	690.15	681.78	674.61	667.44	659.07	648.32	604.70	503.12	385.41
180.0	683.45	674.55	667.56	660.33	648.68	612.11	530.79	400.76	290.64
225.0	702.93	695.17	687.64	681.12	673.77	666.30	657.22	628.42	520.03
270.0	705.08	697.32	690.15	682.98	675.81	668.63	659.07	642.94	567.06
315.0	696.66	688.59	680.71	673.89	666.13	656.80	637.20	566.10	438.83
360.0	705.68	696.72	689.55	682.98	673.42	666.24	656.09	610.67	512.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	405.12	307.73	165.64	66.92	24.56	21.09	17.39	16.43	15.89
45.0	311.91	129.25	51.51	23.42	19.12	16.37	15.72	15.24	14.76
90.0	247.74	150.64	56.83	23.06	19.12	15.48	14.82	14.34	13.92
135.0	302.95	157.93	71.29	25.63	19.90	16.91	15.89	15.36	14.88
180.0	182.84	72.06	31.07	20.85	16.67	16.13	15.77	15.48	15.24
225.0	415.10	302.23	183.50	80.31	29.70	21.15	17.33	16.61	16.19
270.0	449.34	339.99	304.14	126.68	36.57	22.11	18.11	15.54	15.12
315.0	328.76	220.25	111.38	34.78	21.03	17.69	15.48	14.94	14.46
360.0	405.12	307.73	165.64	66.92	24.56	21.09	17.39	16.43	15.89

## 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	15.42	14.82	14.46	13.86	10.70	10.16	9.98	9.86	9.74
45.0	14.40	13.92	13.21	10.40	10.22	10.04	9.92	9.80	9.68
90.0	13.50	13.15	12.43	10.16	9.98	9.86	9.74	9.62	9.50
135.0	14.52	14.04	13.38	10.34	10.04	9.86	9.74	9.62	9.50
180.0	14.94	14.28	11.17	10.10	9.92	9.80	9.68	9.56	9.44
225.0	15.89	15.60	15.36	14.94	11.47	10.34	10.16	9.98	9.80
270.0	14.82	14.28	13.98	13.68	12.55	10.16	10.04	9.86	9.74
315.0	14.10	13.68	13.27	12.25	10.16	9.98	9.80	9.68	9.56
360.0	15.42	14.82	14.46	13.86	10.70	10.16	9.98	9.86	9.74
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	9.56	9.50	9.38	9.32	9.26	9.20	9.14	9.14	9.08
45.0	9.56	9.50	9.38	9.32	9.26	9.20	9.20	9.20	9.14
90.0	9.44	9.32	9.26	9.26	9.20	9.20	9.14	9.08	9.02
135.0	9.44	9.38	9.26	9.20	9.14	9.14	9.14	9.02	9.02
180.0	9.38	9.26	9.20	9.14	9.14	9.08	9.08	9.02	9.02
225.0	9.68	9.62	9.50	9.44	9.38	9.26	9.26	9.20	9.14
270.0	9.62	9.50	9.44	9.38	9.32	9.26	9.20	9.14	9.08
315.0	9.44	9.38	9.32	9.20	9.20	9.14	9.08	9.02	9.02
360.0	9.56	9.50	9.38	9.32	9.26	9.20	9.14	9.14	9.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.02	9.02	8.96	8.96	8.90	8.90	8.90	8.90	8.84
45.0	9.08	9.08	9.02	8.96	8.96	8.96	8.96	8.90	8.90
90.0	9.02	9.02	9.02	8.96	8.96	8.90	8.90	8.96	8.90
135.0	9.02	8.96	8.96	8.96	8.90	8.90	8.84	8.84	8.78
180.0	8.96	8.96	8.90	8.90	8.84	8.84	8.84	8.78	8.84
225.0	9.08	9.08	9.08	9.02	9.02	9.02	8.96	8.96	8.90
270.0	9.08	9.08	9.02	9.02	9.02	9.02	8.96	8.96	8.96
315.0	8.96	8.96	8.96	8.90	8.90	8.90	8.84	8.90	8.84
360.0	9.02	9.02	8.96	8.96	8.90	8.90	8.90	8.90	8.84
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.84	8.84	8.84	8.84	8.84	8.78	8.78	8.78	8.78
45.0	8.90	8.90	8.90	8.90	8.90	8.84	8.84	8.84	8.84
90.0	8.90	8.84	8.90	8.84	8.84	8.84	8.84	8.84	8.84
135.0	8.84	8.84	8.84	8.78	8.84	8.84	8.78	8.78	8.78
180.0	8.78	8.78	8.78	8.78	8.72	8.78	8.78	8.72	8.72
225.0	8.90	8.90	8.90	8.90	8.90	8.90	8.84	8.84	8.84
270.0	8.96	8.96	8.90	8.90	8.96	8.96	8.90	8.90	8.96
315.0	8.84	8.84	8.84	8.84	8.78	8.78	8.78	8.84	8.78
360.0	8.84	8.84	8.84	8.84	8.84	8.78	8.78	8.78	8.78
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.78	8.72	8.78	8.78	8.72	8.78	8.72	8.72	8.72
45.0	8.84	8.84	8.84	8.84	8.78	8.78	8.84	8.78	8.78
90.0	8.84	8.84	8.78	8.78	8.78	8.78	8.78	8.78	8.78
135.0	8.78	8.78	8.78	8.78	8.78	8.78	8.72	8.72	8.78
180.0	8.78	8.72	8.78	8.72	8.72	8.72	8.72	8.72	8.72
225.0	8.84	8.84	8.84	8.84	8.78	8.78	8.84	8.78	8.78
270.0	8.96	9.02	9.02	9.02	8.90	8.84	8.78	8.78	8.78
315.0	8.78	8.78	8.78	8.78	8.78	8.72	8.72	8.72	8.72
360.0	8.78	8.72	8.78	8.78	8.72	8.78	8.72	8.72	8.72

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	8.72
45.0	8.78
90.0	8.78
135.0	8.78
180.0	8.72
225.0	8.84
270.0	8.78
315.0	8.78
360.0	8.72