



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:

LumCAT: 2-2639-L

Luminaire: 92.70.412.000

Report No: 20231101-B015

Ballast type: AC

Test No: 20231101-C015

Voltage(V): 35.170

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.451

Lamp flux(lm): 2563.2

Power (W): 15.861

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2430.42, Efficiency(%): 94.82% , Luminous Efficacy(lm/W): 153.23

Central intensity(cd): 9429.347, Maximum intensity(cd): 9429.347

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.8

[C90/270]Total=21.8

Field angle(10%Imax): [C0/180]Total=56.4

[C90/270]Total=56.4

Beam angle of C0 plane : 21.78

Average BeamAngle(IEC 61341):21.78

Maximum s/h(1/2): C0_180=0.37 C90_270=0.37

Maximum s/h(1/4): C0_180=0.41 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.82%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.861%

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/01
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9429.347	0.000	0	0.00%	0.00%
1.0	9375.170	8.998	8.998	0.35%	0.37%
2.0	9224.055	26.695	35.693	1.04%	1.47%
3.0	8964.861	43.502	79.195	1.70%	3.26%
4.0	8590.533	58.764	137.958	2.29%	5.68%
5.0	8108.265	71.837	209.796	2.80%	8.63%
6.0	7544.142	82.258	292.053	3.21%	12.02%
7.0	6982.165	90.165	382.218	3.52%	15.73%
8.0	6338.264	95.332	477.55	3.72%	19.65%
9.0	5737.401	97.867	575.416	3.82%	23.68%
10.0	5156.326	98.584	674.001	3.85%	27.73%
11.0	4660.773	98.093	772.094	3.83%	31.77%
12.0	4127.580	96.069	868.163	3.75%	35.72%
13.0	3699.558	92.888	961.051	3.62%	39.54%
14.0	3313.121	89.762	1050.813	3.50%	43.24%
15.0	2980.515	86.402	1137.215	3.37%	46.79%
16.0	2684.165	83.003	1220.218	3.24%	50.21%
17.0	2393.766	79.077	1299.295	3.09%	53.46%
18.0	2173.667	75.307	1374.602	2.94%	56.56%
19.0	1980.552	72.275	1446.877	2.82%	59.53%
20.0	1818.297	69.529	1516.407	2.71%	62.39%
21.0	1675.069	67.080	1583.486	2.62%	65.15%
22.0	1541.944	64.647	1648.133	2.52%	67.81%
23.0	1431.306	62.387	1710.52	2.43%	70.38%
24.0	1303.197	59.786	1770.306	2.33%	72.84%
25.0	1224.871	57.483	1827.789	2.24%	75.20%
26.0	1133.386	55.667	1883.456	2.17%	77.50%
27.0	1060.250	53.668	1937.124	2.09%	79.70%
28.0	964.377	51.259	1988.383	2.00%	81.81%
29.0	867.896	47.937	2036.32	1.87%	83.78%
30.0	768.938	44.194	2080.515	1.72%	85.60%
31.0	672.975	40.126	2120.641	1.57%	87.25%
32.0	580.763	35.918	2156.559	1.40%	88.73%
33.0	495.083	31.695	2188.254	1.24%	90.04%
34.0	407.575	27.317	2215.571	1.07%	91.16%
35.0	327.057	22.815	2238.386	0.89%	92.10%
36.0	267.482	18.930	2257.316	0.74%	92.88%
37.0	215.083	15.739	2273.055	0.61%	93.53%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	166.151	12.725	2285.78	0.50%	94.05%
39.0	111.344	9.472	2295.252	0.37%	94.44%
40.0	90.060	7.024	2302.276	0.27%	94.73%
41.0	78.332	5.996	2308.272	0.23%	94.97%
42.0	70.472	5.406	2313.678	0.21%	95.20%
43.0	63.892	4.977	2318.656	0.19%	95.40%
44.0	58.578	4.622	2323.278	0.18%	95.59%
45.0	53.651	4.313	2327.591	0.17%	95.77%
46.0	49.957	4.052	2331.643	0.16%	95.94%
47.0	46.670	3.843	2335.486	0.15%	96.09%
48.0	44.234	3.675	2339.161	0.14%	96.25%
49.0	42.096	3.545	2342.706	0.14%	96.39%
50.0	40.173	3.430	2346.136	0.13%	96.53%
51.0	38.623	3.334	2349.47	0.13%	96.67%
52.0	37.384	3.262	2352.732	0.13%	96.80%
53.0	36.430	3.211	2355.942	0.13%	96.94%
54.0	35.752	3.181	2359.124	0.12%	97.07%
55.0	35.309	3.172	2362.296	0.12%	97.20%
56.0	35.156	3.184	2365.48	0.12%	97.33%
57.0	35.136	3.214	2368.694	0.13%	97.46%
58.0	35.011	3.244	2371.938	0.13%	97.59%
59.0	34.617	3.255	2375.193	0.13%	97.73%
60.0	33.835	3.234	2378.427	0.13%	97.86%
61.0	32.430	3.162	2381.589	0.12%	97.99%
62.0	30.216	3.019	2384.608	0.12%	98.12%
63.0	27.545	2.809	2387.417	0.11%	98.23%
64.0	24.937	2.575	2389.992	0.10%	98.34%
65.0	22.750	2.360	2392.352	0.09%	98.43%
66.0	21.048	2.185	2394.538	0.09%	98.52%
67.0	19.734	2.051	2396.588	0.08%	98.61%
68.0	18.834	1.954	2398.542	0.08%	98.69%
69.0	18.108	1.885	2400.427	0.07%	98.77%
70.0	17.526	1.830	2402.257	0.07%	98.84%
71.0	16.917	1.780	2404.037	0.07%	98.91%
72.0	16.371	1.731	2405.768	0.07%	98.99%
73.0	15.900	1.688	2407.455	0.07%	99.06%
74.0	15.437	1.647	2409.103	0.06%	99.12%
75.0	14.973	1.607	2410.71	0.06%	99.19%

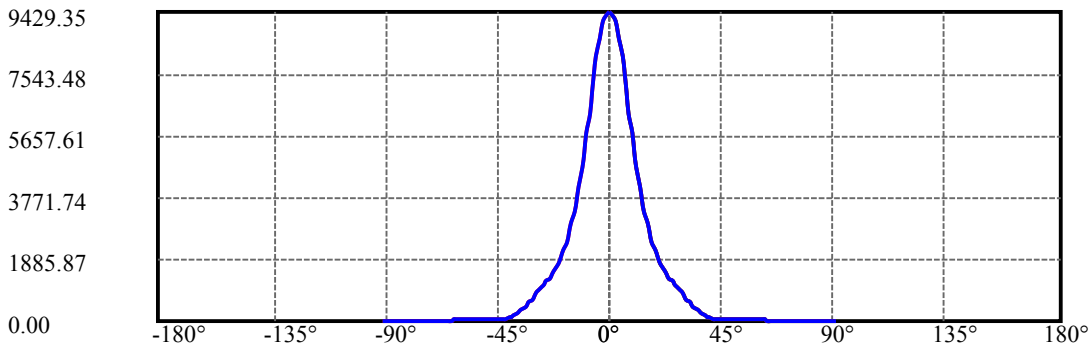
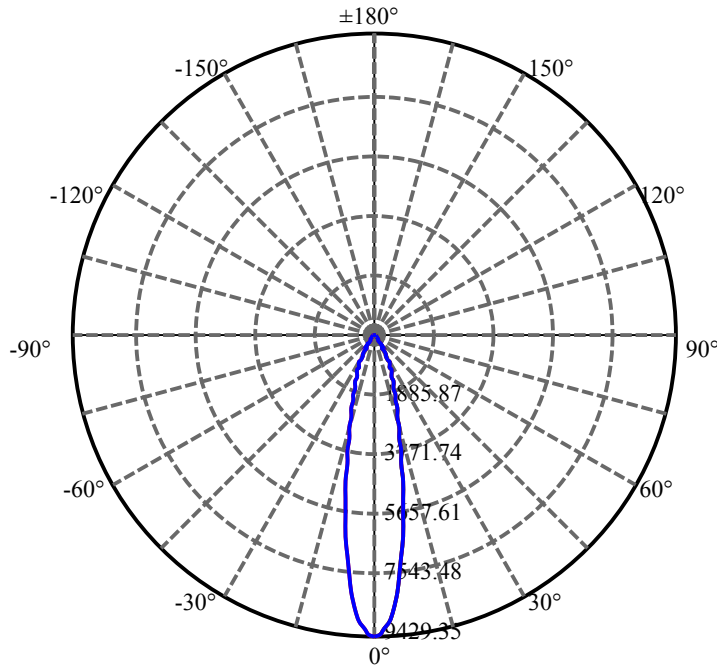
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.530	1.566	2412.276	0.06%	99.25%
77.0	14.150	1.529	2413.805	0.06%	99.32%
78.0	13.735	1.493	2415.297	0.06%	99.38%
79.0	13.340	1.455	2416.752	0.06%	99.44%
80.0	12.932	1.416	2418.169	0.06%	99.50%
81.0	12.558	1.378	2419.547	0.05%	99.55%
82.0	12.150	1.340	2420.887	0.05%	99.61%
83.0	11.770	1.300	2422.187	0.05%	99.66%
84.0	11.417	1.263	2423.45	0.05%	99.71%
85.0	11.112	1.230	2424.68	0.05%	99.76%
86.0	10.835	1.200	2425.88	0.05%	99.81%
87.0	10.573	1.172	2427.051	0.05%	99.86%
88.0	10.310	1.144	2428.195	0.04%	99.91%
89.0	10.102	1.119	2429.314	0.04%	99.95%
90.0	10.012	1.103	2430.417	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2080.51	81.17%	85.60%
0-40	2302.28	89.82%	94.73%
0-60	2378.43	92.79%	97.86%
0-90	2429.31	94.78%	99.95%
0-120	2429.31	94.78%	99.95%
0-180	2430.42	94.82%	100.00%
60-90	50.89	1.99%	2.09%
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%
0-27.14	1944.33	75.86%	80.00%

ZONAL LUMEN SUMMARY

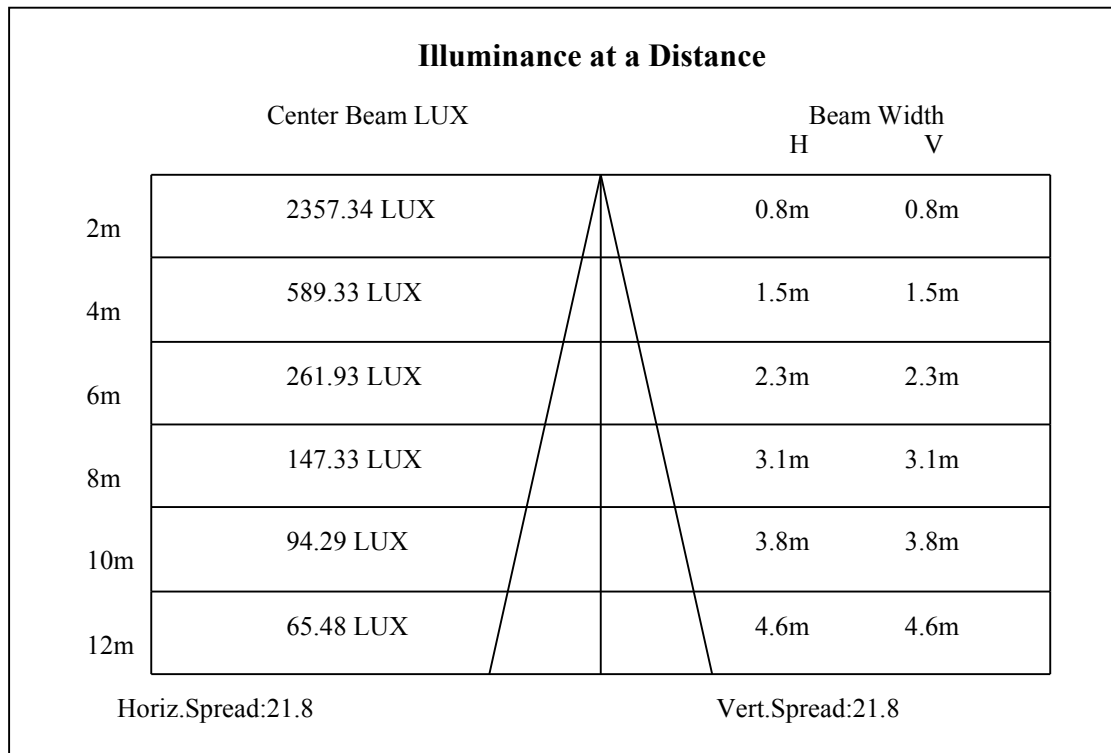
0-10	674.00
10-20	842.41
20-30	564.11
30-40	221.76
40-50	43.86
50-60	32.29
60-70	23.83
70-80	15.91
80-90	11.15
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

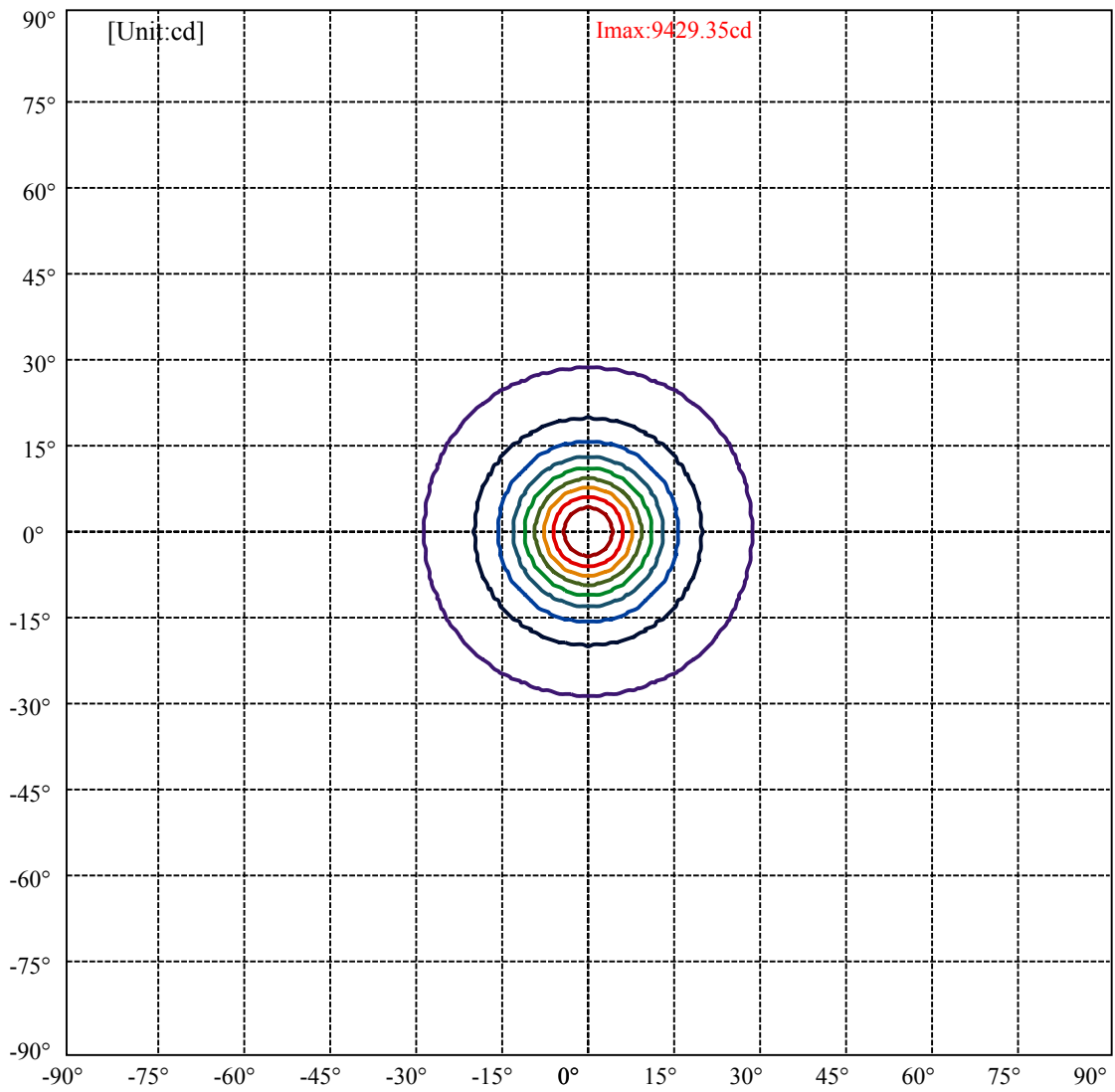


C0(Max): —————
C0/C180: —————
C90/C270: —————

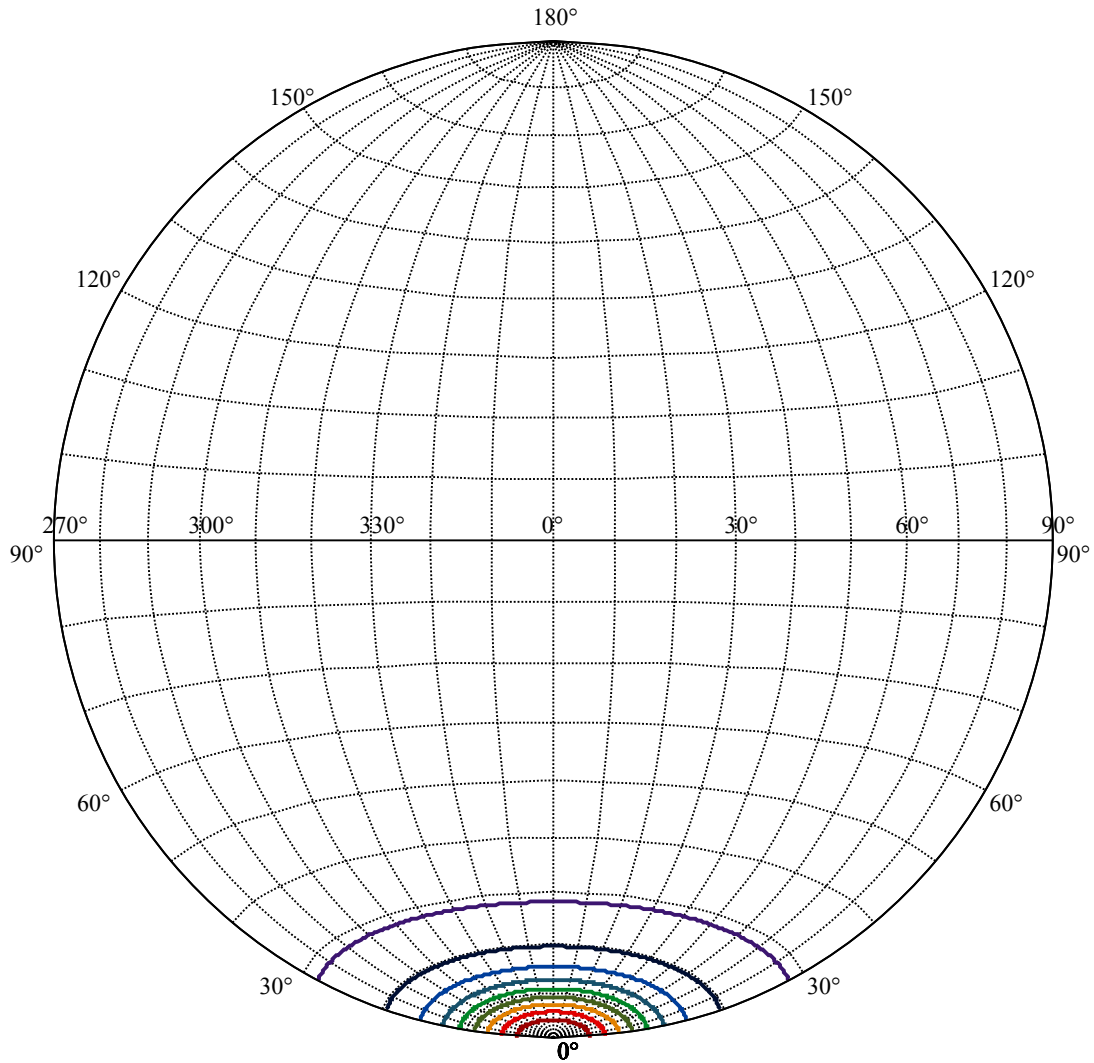
Field angle(10%Imax):C0/180Left:28.2 Right:28.2
:C90/270Left:28.2 Right:28.2

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9





(10%Imax) 942.935	—
(20%Imax) 1885.87	—
(30%Imax) 2828.8	—
(40%Imax) 3771.74	—
(50%Imax) 4714.67	—
(60%Imax) 5657.61	—
(70%Imax) 6600.54	—
(80%Imax) 7543.48	—
(90%Imax) 8486.41	—



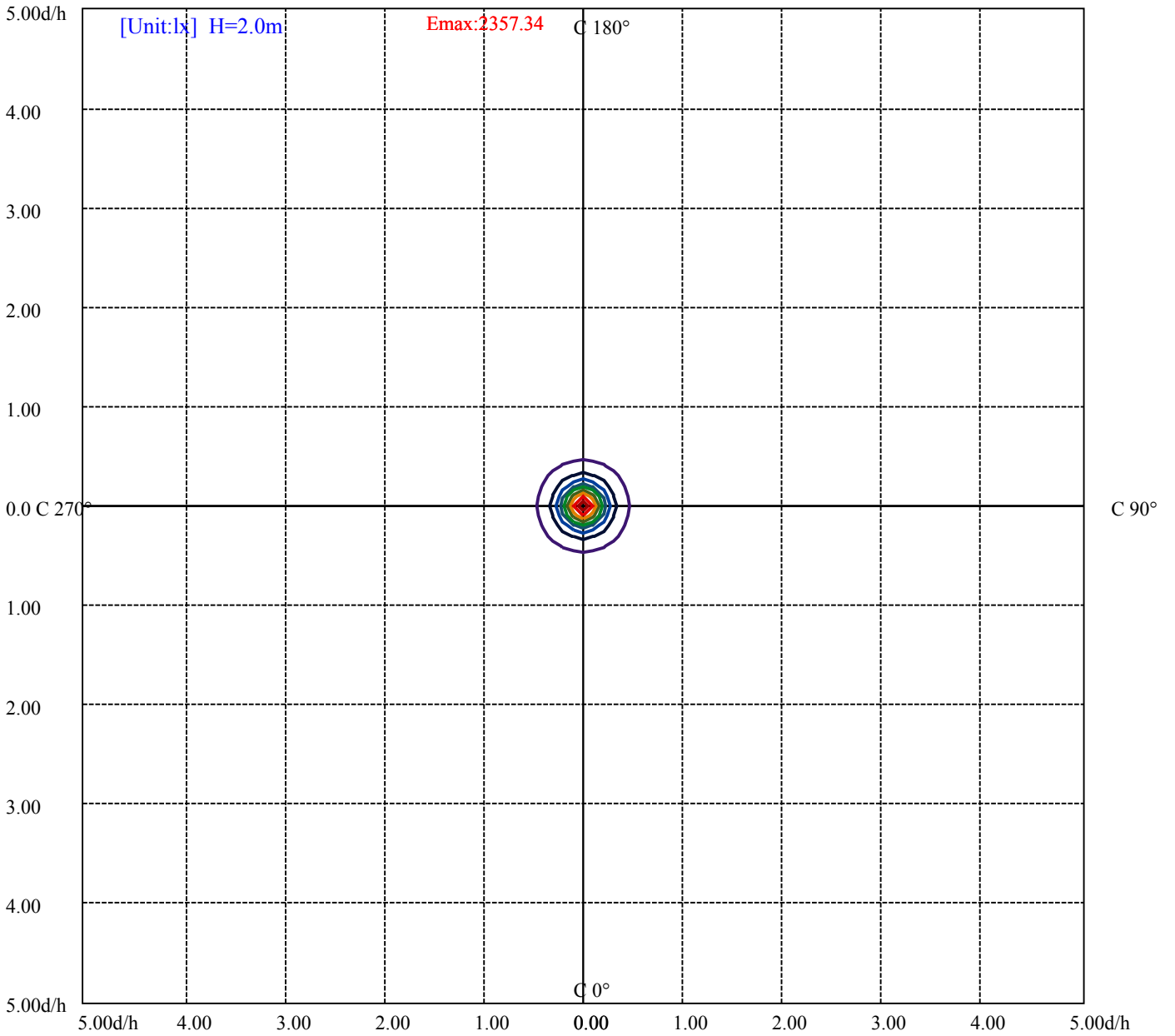
House

[Unit:cd]

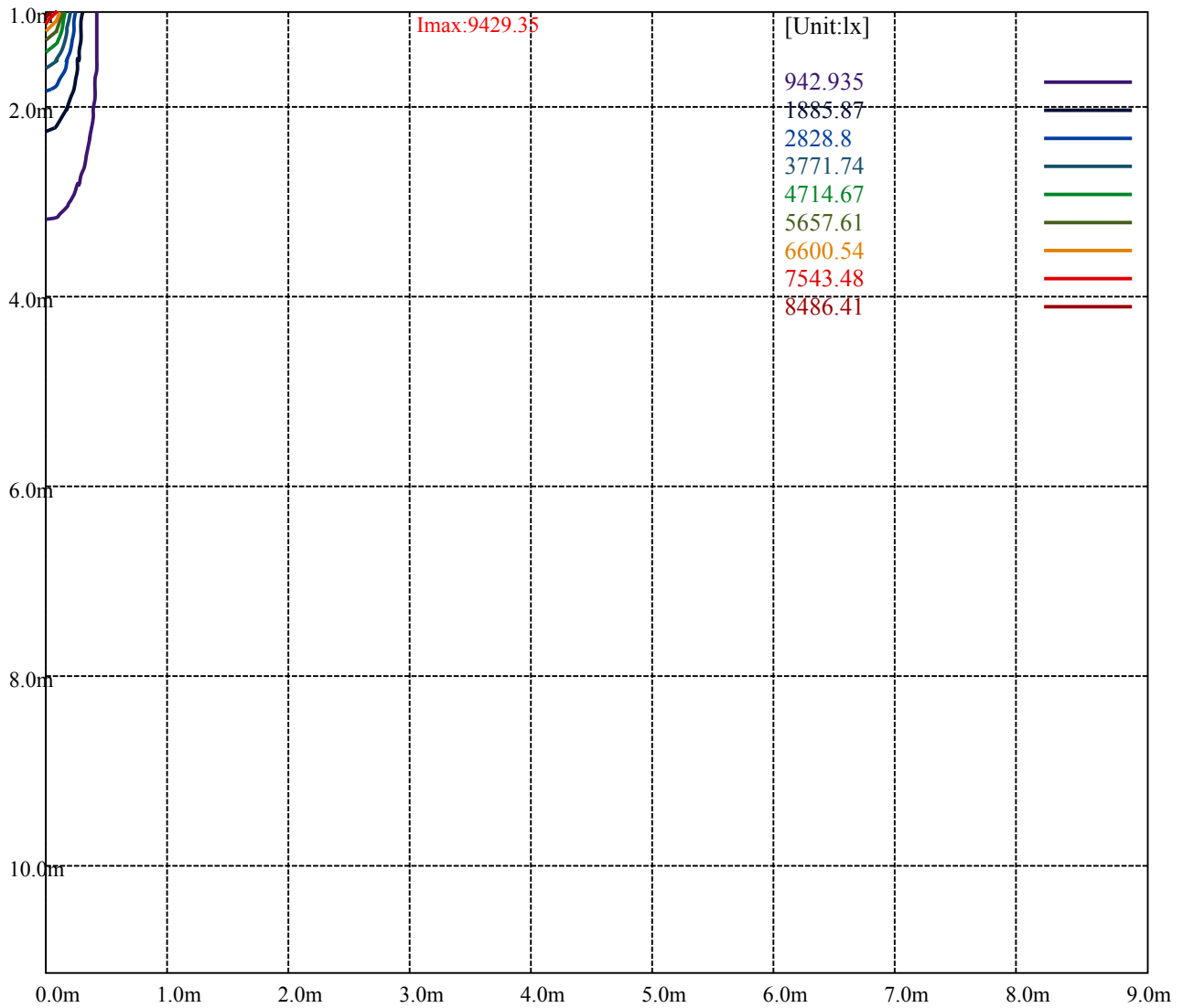
Road

Imax:9429.35

(10%Imax)	942.935	—
(20%Imax)	1885.87	—
(30%Imax)	2828.8	—
(40%Imax)	3771.74	—
(50%Imax)	4714.67	—
(60%Imax)	5657.61	—
(70%Imax)	6600.54	—
(80%Imax)	7543.48	—
(90%Imax)	8486.41	—



(10%Emax) 235.7335	—
(20%Emax) 471.4675	—
(30%Emax) 707.2	—
(40%Emax) 942.935	—
(50%Emax) 1178.667	—
(60%Emax) 1414.4	—
(70%Emax) 1650.135	—
(80%Emax) 1885.868	—
(90%Emax) 2121.603	—



Luminance Table

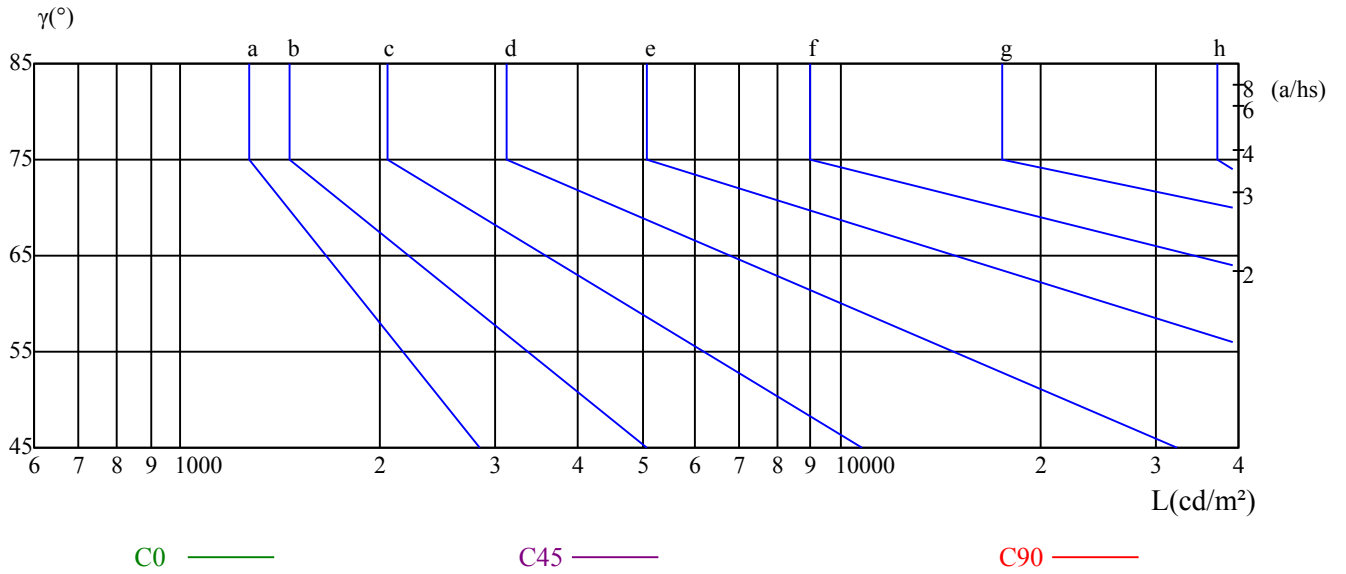
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

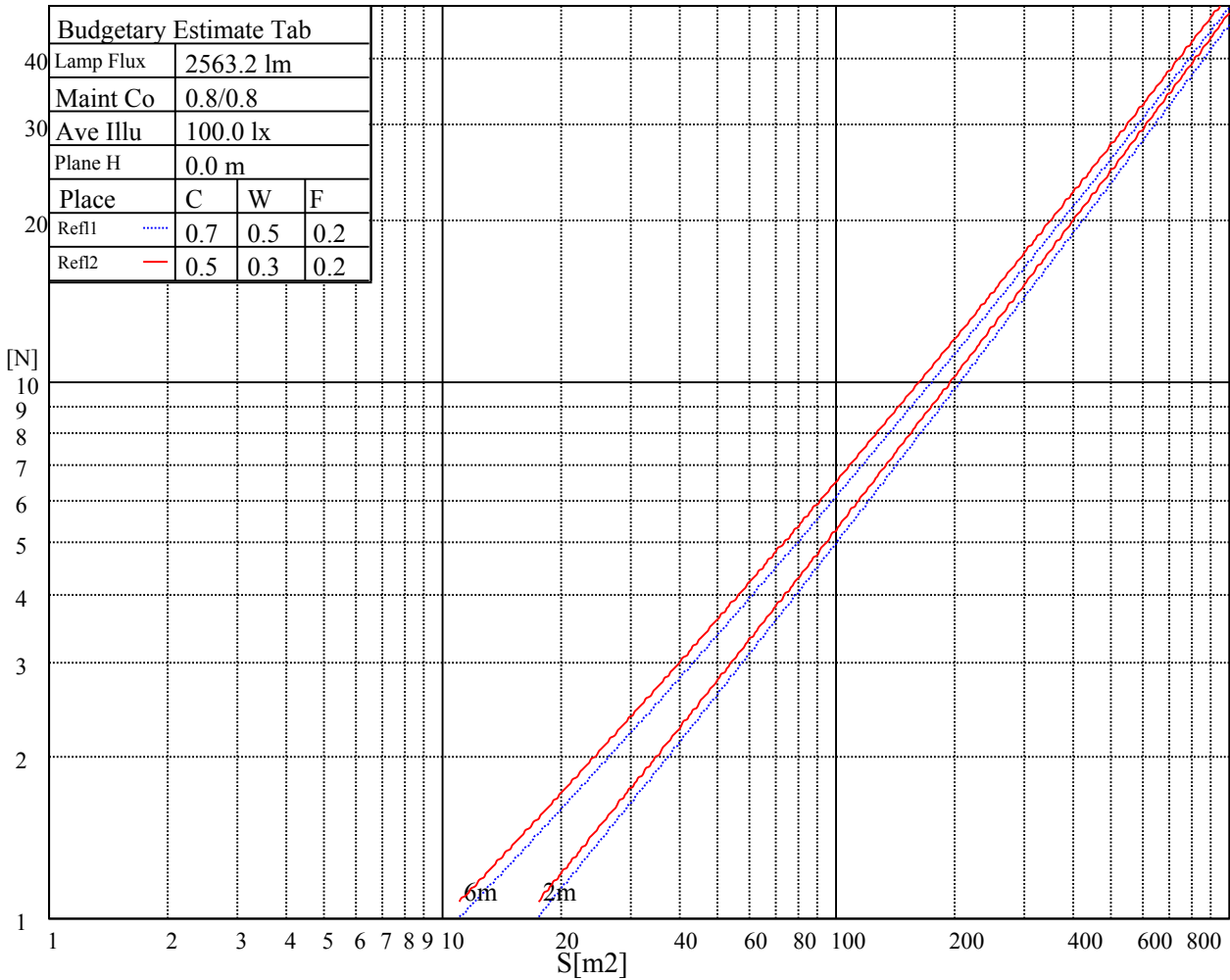
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

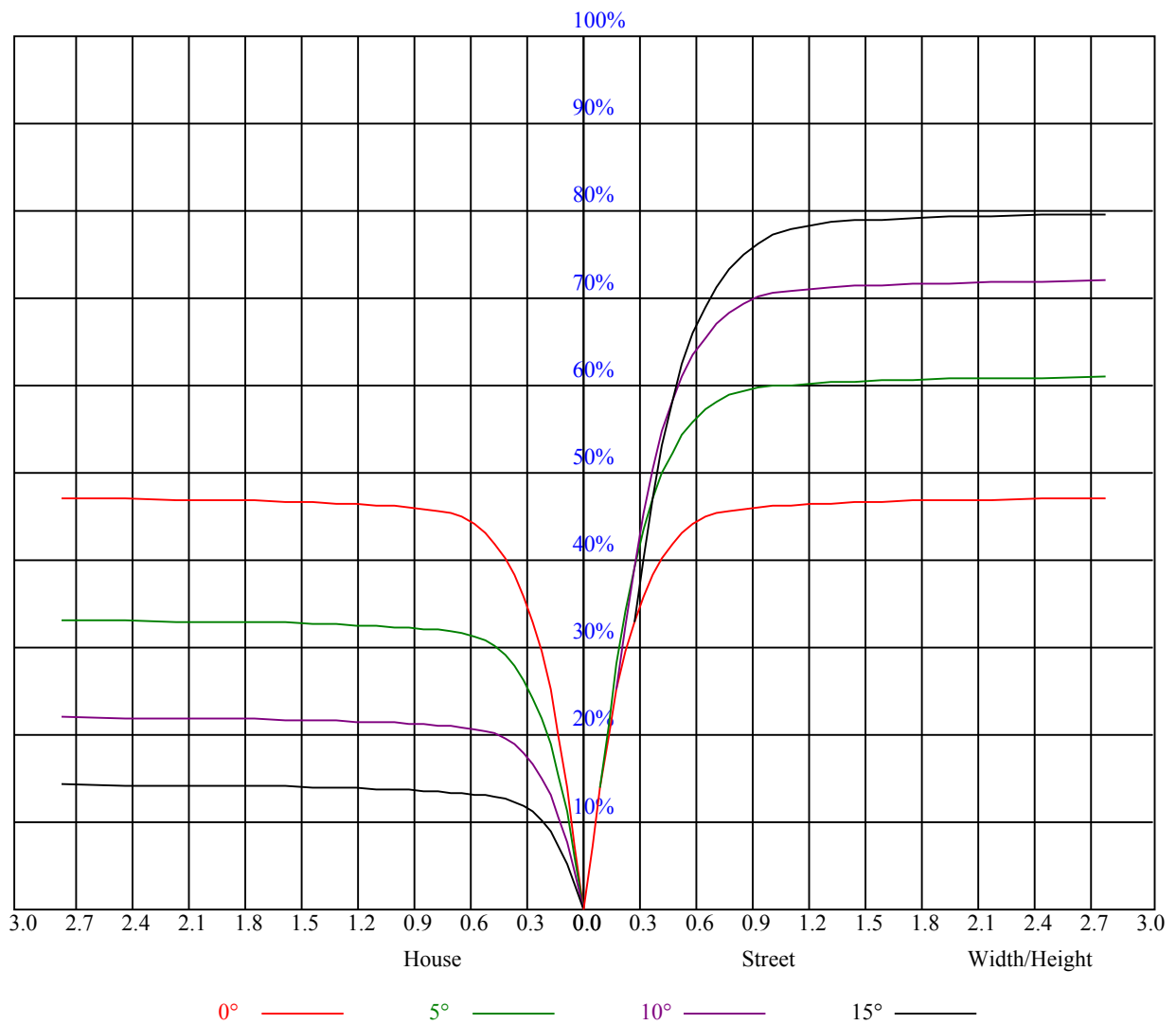


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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 RHOF=20 CU															
0	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.94	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.85	0.82	0.89	0.85	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.77	0.82	0.78	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.65	0.62	0.61



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	9368.60	9170.98	8876.50	8388.84	7892.87	7358.15	6667.89	6092.77	5384.24
45.0	9451.63	9440.56	9280.58	9002.16	8554.90	8071.11	7531.96	6843.37	6264.92
90.0	9462.70	9299.96	8954.55	8614.13	8127.02	7596.73	6892.08	6324.15	5732.42
135.0	9433.91	9421.18	9324.87	9118.95	8689.41	8213.92	7683.08	7120.69	6397.77
180.0	9368.60	9446.65	9435.57	9357.53	9185.38	8796.24	8370.57	7859.10	7302.80
225.0	9451.63	9405.13	9310.48	9085.74	8734.24	8184.03	7675.33	7131.76	6392.23
270.0	9462.70	9458.27	9405.13	9269.51	9033.15	8601.95	8132.00	7643.23	6957.39
315.0	9435.02	9358.63	9204.75	8882.04	8507.29	8043.99	7400.22	6842.26	6274.33
360.0	9368.60	9170.98	8876.50	8388.84	7892.87	7358.15	6667.89	6092.77	5384.24
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4861.71	4390.09	3967.75	3474.55	3133.01	2831.34	2557.89	2314.89	2061.92
45.0	5677.07	5022.23	4543.42	4014.24	3611.82	3251.47	2926.54	2632.62	2317.10
90.0	5183.31	4568.33	4124.95	3625.66	3265.86	2947.03	2592.76	2339.80	2127.24
135.0	5821.54	5262.47	4759.30	4206.32	3803.35	3337.82	3006.81	2716.20	2391.83
180.0	6585.42	6013.06	5444.58	4779.23	4318.13	3796.15	3423.62	3090.39	2789.27
225.0	5816.56	5138.47	4634.76	4187.50	3684.34	3326.75	2999.61	2714.54	2399.58
270.0	6385.59	5828.73	5280.18	4636.97	4179.20	3762.94	3394.84	2998.50	2699.04
315.0	5568.02	5027.21	4531.25	4096.17	3600.75	3251.47	2942.04	2666.38	2364.15
360.0	4861.71	4390.09	3967.75	3474.55	3133.01	2831.34	2557.89	2314.89	2061.92
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1898.63	1755.26	1599.72	1486.80	1386.61	1278.67	1094.73	1094.73	1007.27
45.0	2106.76	1934.61	1782.94	1618.54	1508.39	1406.53	1294.72	1212.24	1112.05
90.0	1951.21	1760.24	1630.72	1517.24	1418.16	1304.68	1098.66	1098.66	1052.94
135.0	2182.04	1998.26	1844.94	1677.77	1562.08	1455.80	1361.15	1254.31	1171.84
180.0	2457.70	2242.93	2055.83	1892.54	1714.85	1588.65	1479.05	1384.95	1275.35
225.0	2183.15	1997.16	1841.06	1704.34	1559.86	1452.48	1340.11	1207.82	1096.50
270.0	2454.38	2188.13	2011.55	1849.36	1675.55	1552.67	1431.44	1348.97	1265.38
315.0	2155.47	1967.82	1779.62	1653.97	1510.05	1410.96	1325.72	1197.30	1085.76
360.0	1898.63	1755.26	1599.72	1486.80	1386.61	1278.67	1094.73	1094.73	1007.27
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	918.76	828.37	717.05	632.36	545.73	466.24	388.36	297.97	233.76
45.0	1022.38	933.82	821.45	732.88	644.32	560.73	456.67	381.39	308.87
90.0	939.02	848.57	757.57	648.41	563.28	460.10	384.04	310.53	229.16
135.0	1080.50	962.60	864.62	773.29	660.92	577.34	498.74	403.53	330.46
180.0	1195.08	1094.89	1004.67	912.23	794.88	701.33	611.66	528.63	428.44
225.0	1075.69	989.45	899.88	782.81	692.69	601.14	517.11	414.16	337.44
270.0	1186.78	1082.72	996.92	903.37	807.61	693.58	598.37	514.79	412.94
315.0	1063.79	974.61	881.01	766.15	674.37	585.64	505.71	409.62	335.39
360.0	918.76	828.37	717.05	632.36	545.73	466.24	388.36	297.97	233.76
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	165.67	123.60	96.09	80.26	72.51	66.42	59.84	55.35	51.37
45.0	291.71	212.34	125.98	98.47	81.09	73.56	67.14	60.50	55.80
90.0	176.02	133.46	104.67	88.51	77.88	71.02	65.21	58.23	53.91
135.0	279.54	279.54	139.77	108.99	91.55	80.48	73.18	67.14	61.28
180.0	353.16	283.96	283.96	153.33	115.41	92.61	79.43	71.90	65.82
225.0	268.85	207.80	147.41	112.09	90.61	77.16	69.91	63.88	57.57
270.0	336.55	286.18	286.18	146.08	105.28	88.01	79.10	71.24	65.15
315.0	268.35	193.79	145.14	103.01	86.13	77.38	69.97	62.88	57.73
360.0	165.67	123.60	96.09	80.26	72.51	66.42	59.84	55.35	51.37

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	48.05	44.84	42.68	40.85	39.25	37.59	36.59	35.87	35.37
45.0	51.09	47.99	45.33	43.18	41.24	39.25	37.92	36.87	36.04
90.0	50.15	46.44	44.01	41.40	39.69	38.19	36.98	35.81	35.04
135.0	55.58	51.70	47.83	45.22	42.90	40.52	38.91	37.64	36.59
180.0	59.01	54.63	50.10	47.16	44.73	42.62	40.41	38.91	37.64
225.0	53.36	49.87	46.39	44.23	42.18	40.63	38.80	37.59	36.70
270.0	58.51	54.30	50.70	47.83	44.78	42.79	41.02	39.19	37.97
315.0	53.47	49.87	46.33	44.01	42.01	39.80	38.36	37.20	36.09
360.0	48.05	44.84	42.68	40.85	39.25	37.59	36.59	35.87	35.37
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.15	35.37	35.43	35.59	35.20	34.04	32.33	29.95	27.12
45.0	35.43	35.15	35.04	35.09	34.93	34.37	33.49	31.88	29.17
90.0	34.71	34.49	34.26	34.04	33.65	32.66	31.27	29.45	26.57
135.0	35.70	35.32	35.09	35.09	34.82	34.60	34.15	32.77	30.22
180.0	36.64	35.65	35.26	35.15	35.32	35.26	35.09	34.49	33.32
225.0	35.87	35.26	35.32	35.32	35.43	35.32	34.54	33.32	31.27
270.0	37.03	36.15	35.81	35.70	35.65	35.65	35.48	34.71	33.21
315.0	35.48	35.09	35.04	35.09	35.09	35.04	34.32	32.88	30.83
360.0	35.15	35.37	35.43	35.59	35.20	34.04	32.33	29.95	27.12
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.97	21.92	20.54	19.48	18.54	17.88	17.16	16.66	16.16
45.0	26.46	24.19	22.09	20.76	19.43	18.65	17.99	17.44	16.77
90.0	24.41	22.20	20.48	19.43	18.65	17.99	17.33	16.77	16.33
135.0	27.79	24.58	22.42	21.09	19.65	18.88	18.21	17.60	16.94
180.0	31.27	28.01	25.30	22.81	21.15	19.60	18.82	18.21	17.60
225.0	28.01	25.35	22.97	21.20	19.71	18.93	18.27	17.66	16.99
270.0	31.11	28.51	25.74	22.64	21.15	19.93	19.04	18.38	17.60
315.0	27.34	24.74	22.47	20.98	19.60	18.82	18.05	17.49	16.94
360.0	23.97	21.92	20.54	19.48	18.54	17.88	17.16	16.66	16.16
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.61	15.17	14.78	14.34	13.95	13.62	13.28	12.79	12.45
45.0	16.27	15.72	15.33	14.89	14.45	14.06	13.73	13.28	12.95
90.0	15.78	15.33	14.95	14.56	14.12	13.78	13.28	12.95	12.57
135.0	16.44	16.05	15.55	15.00	14.61	14.28	13.78	13.45	13.01
180.0	16.94	16.44	16.00	15.44	15.00	14.61	14.17	13.78	13.34
225.0	16.50	16.00	15.44	15.00	14.56	14.12	13.78	13.40	12.90
270.0	17.10	16.61	16.00	15.55	15.06	14.61	14.12	13.73	13.34
315.0	16.33	15.89	15.44	15.00	14.50	14.12	13.73	13.34	12.90
360.0	15.61	15.17	14.78	14.34	13.95	13.62	13.28	12.79	12.45
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.07	11.68	11.35	11.07	10.79	10.57	10.24	10.02	9.96
45.0	12.57	12.07	11.68	11.35	11.07	10.79	10.57	10.24	9.96
90.0	12.12	11.79	11.46	11.13	10.85	10.63	10.35	10.07	9.96
135.0	12.62	12.29	11.79	11.46	11.13	10.85	10.63	10.35	10.02
180.0	13.01	12.62	12.23	11.79	11.46	11.13	10.85	10.57	10.41
225.0	12.57	12.18	11.85	11.46	11.13	10.85	10.57	10.35	10.13
270.0	13.01	12.51	12.12	11.68	11.35	11.07	10.79	10.57	10.30
315.0	12.51	12.07	11.68	11.40	11.13	10.79	10.57	10.30	10.07
360.0	12.07	11.68	11.35	11.07	10.79	10.57	10.24	10.02	9.96

Intensity data(cd)

C/γ(°)	90.0
0.0	10.02
45.0	10.02
90.0	9.96
135.0	9.96
180.0	10.07
225.0	9.96
270.0	10.07
315.0	10.02
360.0	10.02