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NATA

Client:

LumCAT: 1-1373-L

Luminaire: 92.70.410.00

Report No: 2023626-B001

Ballast type: AC

Test No: 2023626-C001

Voltage(V): 35.400

LampCAT: FORTIMO SLM C 1203

Current(A): 0.282

Lamp flux(lm): 1100.8

Power (W): 9.982

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 987.39, Efficiency(%): 89.70% , Luminous Efficacy(lm/W): 98.92

Central intensity(cd): 2914.727, Maximum intensity(cd): 2914.727

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=27.4

[C90/270]Total=27.4

Field angle(10%Imax): [C0/180]Total=59.2

[C90/270]Total=59.2

Maximum s/h(1/2): C0_180=0.46 C90_270=0.46

Maximum s/h(1/4): C0_180=0.52 C90_270=0.52

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.70%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.766%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2914.727	0.000	0	0.00%	0.00%
1.0	2906.562	2.785	2.785	0.25%	0.28%
2.0	2881.307	8.307	11.093	0.75%	1.12%
3.0	2837.024	13.676	24.769	1.24%	2.51%
4.0	2777.727	18.794	43.563	1.71%	4.41%
5.0	2698.779	23.560	67.123	2.14%	6.80%
6.0	2593.884	27.814	94.937	2.53%	9.62%
7.0	2474.873	31.462	126.399	2.86%	12.80%
8.0	2339.534	34.456	160.855	3.13%	16.29%
9.0	2188.280	36.695	197.55	3.33%	20.01%
10.0	2021.112	38.093	235.644	3.46%	23.87%
11.0	1856.712	38.747	274.391	3.52%	27.79%
12.0	1706.358	38.949	313.341	3.54%	31.73%
13.0	1563.407	38.804	352.145	3.53%	35.66%
14.0	1413.572	38.105	390.25	3.46%	39.52%
15.0	1306.739	37.346	427.595	3.39%	43.31%
16.0	1176.617	36.388	463.983	3.31%	46.99%
17.0	1092.009	35.329	499.312	3.21%	50.57%
18.0	1024.519	34.897	534.209	3.17%	54.10%
19.0	952.255	34.392	568.601	3.12%	57.59%
20.0	879.077	33.518	602.119	3.04%	60.98%
21.0	809.484	32.424	634.543	2.95%	64.26%
22.0	739.690	31.131	665.674	2.83%	67.42%
23.0	671.924	29.619	695.294	2.69%	70.42%
24.0	603.998	27.896	723.19	2.53%	73.24%
25.0	542.195	26.062	749.252	2.37%	75.88%
26.0	481.486	24.164	773.416	2.20%	78.33%
27.0	419.297	22.038	795.454	2.00%	80.56%
28.0	364.427	19.842	815.296	1.80%	82.57%
29.0	320.636	17.923	833.219	1.63%	84.39%
30.0	272.409	16.012	849.231	1.45%	86.01%
31.0	239.529	14.246	863.478	1.29%	87.45%
32.0	186.182	12.196	875.674	1.11%	88.69%
33.0	158.187	10.145	885.819	0.92%	89.71%
34.0	125.687	8.591	894.41	0.78%	90.58%
35.0	104.833	7.159	901.569	0.65%	91.31%
36.0	90.136	6.208	907.777	0.56%	91.94%
37.0	78.498	5.500	913.277	0.50%	92.49%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	70.230	4.964	918.241	0.45%	93.00%
39.0	62.404	4.527	922.769	0.41%	93.46%
40.0	55.845	4.124	926.893	0.37%	93.87%
41.0	49.638	3.756	930.649	0.34%	94.25%
42.0	44.006	3.402	934.051	0.31%	94.60%
43.0	39.426	3.091	937.142	0.28%	94.91%
44.0	35.122	2.814	939.955	0.26%	95.20%
45.0	31.240	2.550	942.506	0.23%	95.45%
46.0	28.085	2.320	944.826	0.21%	95.69%
47.0	25.200	2.119	946.945	0.19%	95.90%
48.0	22.854	1.943	948.888	0.18%	96.10%
49.0	20.861	1.795	950.683	0.16%	96.28%
50.0	19.228	1.671	952.354	0.15%	96.45%
51.0	17.824	1.568	953.922	0.14%	96.61%
52.0	16.682	1.481	955.403	0.13%	96.76%
53.0	15.700	1.409	956.811	0.13%	96.90%
54.0	14.842	1.346	958.157	0.12%	97.04%
55.0	14.108	1.292	959.45	0.12%	97.17%
56.0	13.465	1.246	960.696	0.11%	97.30%
57.0	12.939	1.207	961.903	0.11%	97.42%
58.0	12.413	1.172	963.075	0.11%	97.54%
59.0	11.998	1.141	964.216	0.10%	97.65%
60.0	11.610	1.115	965.332	0.10%	97.77%
61.0	11.202	1.089	966.42	0.10%	97.88%
62.0	10.870	1.064	967.484	0.10%	97.98%
63.0	10.538	1.041	968.525	0.09%	98.09%
64.0	10.192	1.017	969.542	0.09%	98.19%
65.0	9.867	0.993	970.535	0.09%	98.29%
66.0	9.528	0.968	971.503	0.09%	98.39%
67.0	9.209	0.942	972.445	0.09%	98.49%
68.0	8.836	0.914	973.359	0.08%	98.58%
69.0	8.476	0.883	974.242	0.08%	98.67%
70.0	8.109	0.852	975.094	0.08%	98.75%
71.0	7.819	0.823	975.917	0.07%	98.84%
72.0	7.466	0.795	976.712	0.07%	98.92%
73.0	7.182	0.766	977.478	0.07%	99.00%
74.0	6.912	0.741	978.219	0.07%	99.07%
75.0	6.656	0.717	978.936	0.07%	99.14%

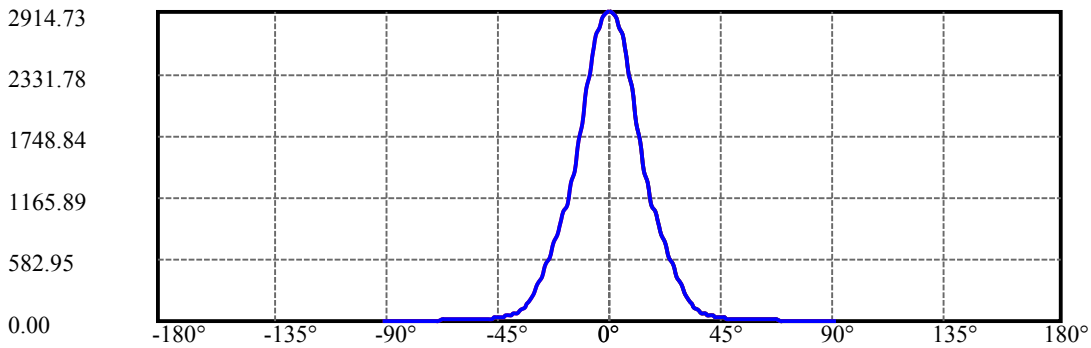
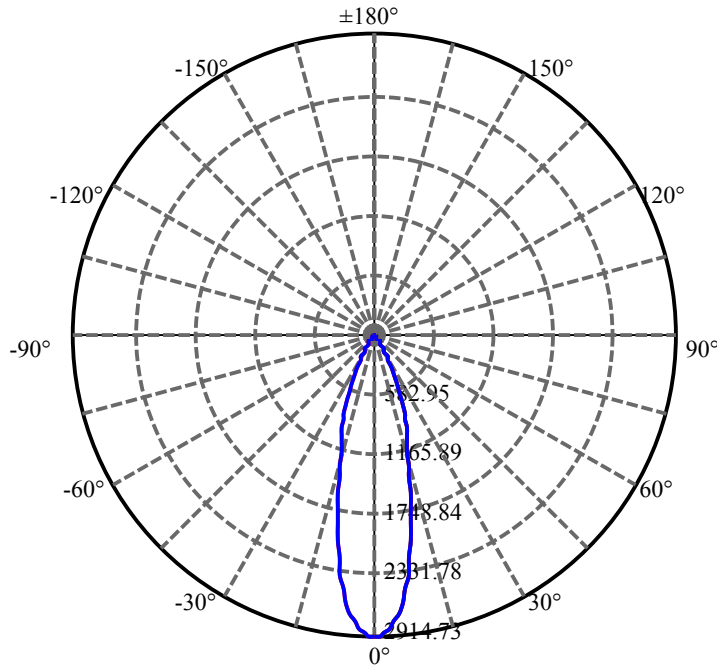
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.435	0.695	979.631	0.06%	99.21%
77.0	6.186	0.673	980.304	0.06%	99.28%
78.0	5.992	0.652	980.955	0.06%	99.35%
79.0	5.750	0.631	981.586	0.06%	99.41%
80.0	5.549	0.609	982.196	0.06%	99.47%
81.0	5.349	0.589	982.785	0.05%	99.53%
82.0	5.155	0.570	983.354	0.05%	99.59%
83.0	5.003	0.552	983.907	0.05%	99.65%
84.0	4.864	0.538	984.444	0.05%	99.70%
85.0	4.740	0.524	984.968	0.05%	99.75%
86.0	4.594	0.510	985.478	0.05%	99.81%
87.0	4.456	0.495	985.974	0.04%	99.86%
88.0	4.325	0.481	986.455	0.04%	99.91%
89.0	4.248	0.470	986.925	0.04%	99.95%
90.0	4.193	0.463	987.388	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	849.23	77.15%	86.01%
0-40	926.89	84.20%	93.87%
0-60	965.33	87.69%	97.77%
0-90	986.92	89.66%	99.95%
0-120	986.92	89.66%	99.95%
0-180	987.39	89.70%	100.00%
60-90	21.59	1.96%	2.19%
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%
0-26.75	789.91	71.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	235.64
10-20	366.48
20-30	247.11
30-40	77.66
40-50	25.46
50-60	12.98
60-70	9.76
70-80	7.10
80-90	4.73
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: —————

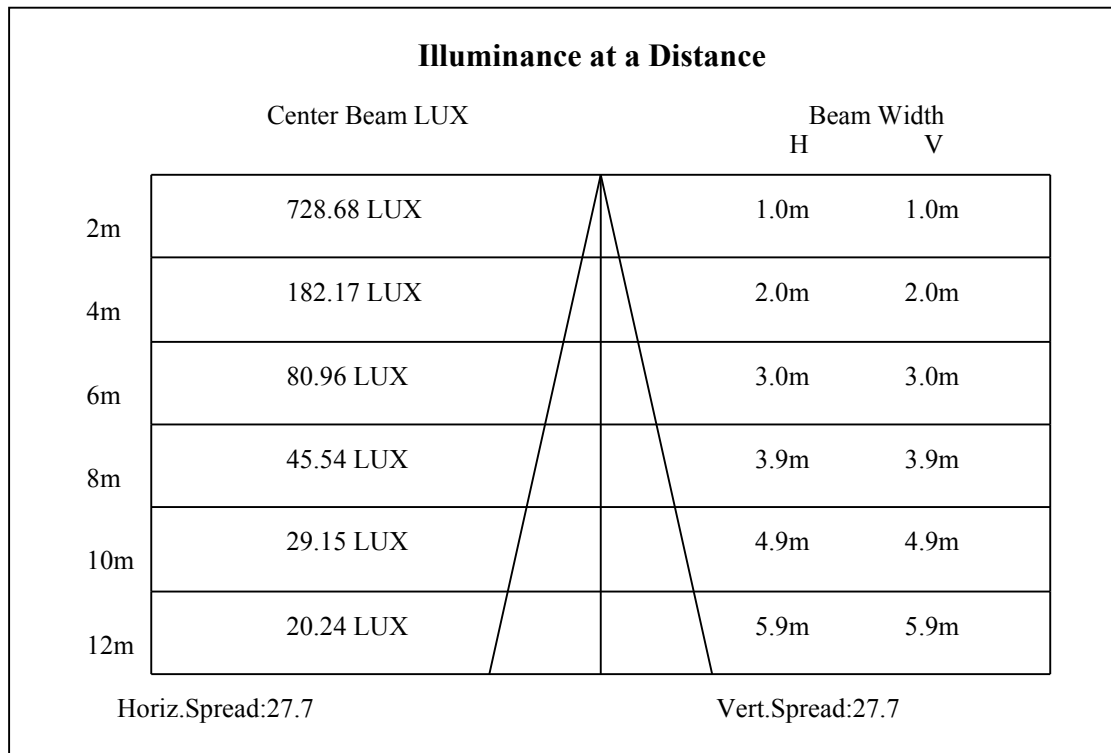
C90/C270: —————

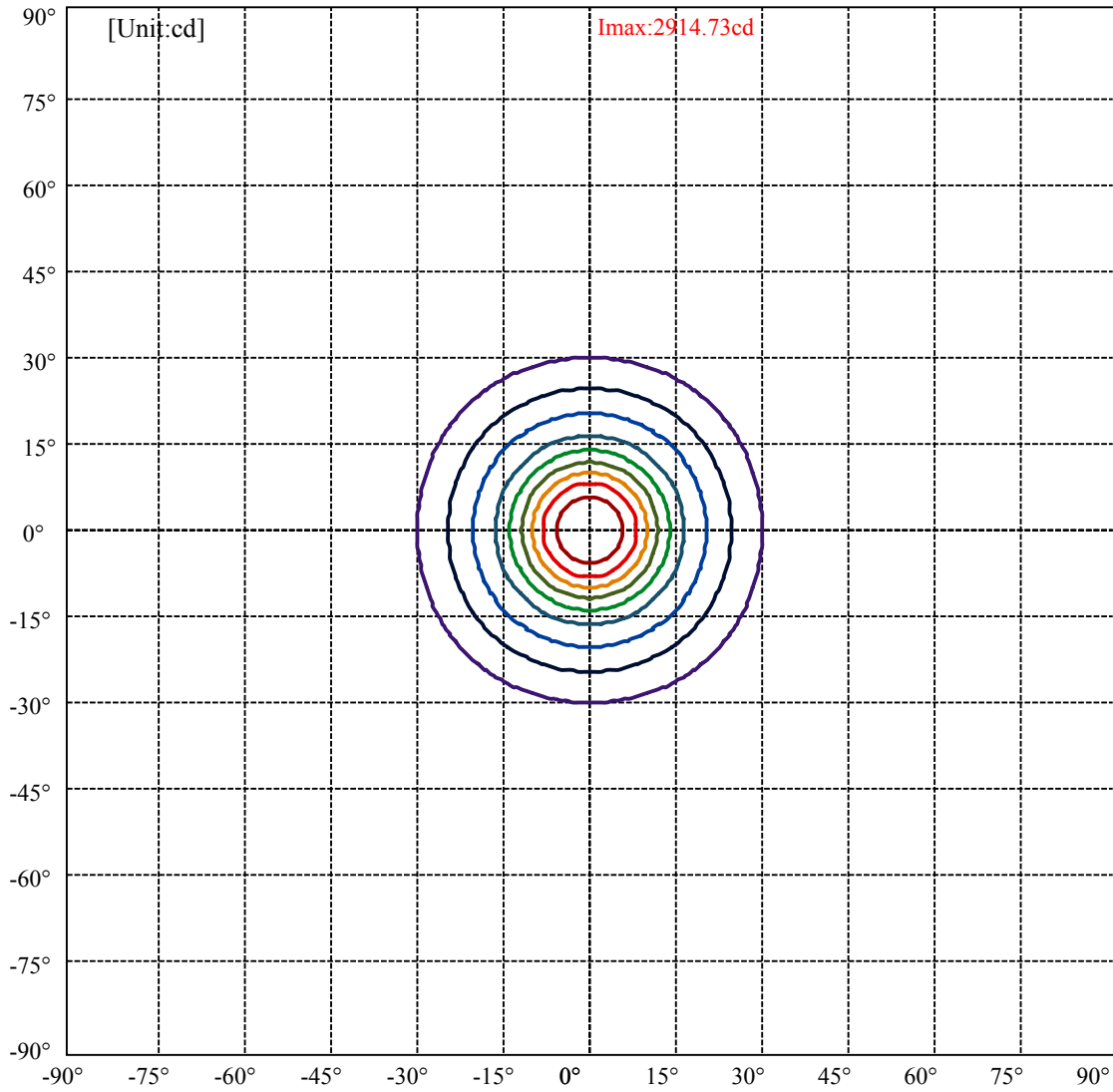
Field angle(10%Imax):C0/180Left:29.6 Right:29.6

:C90/270Left:29.6 Right:29.6

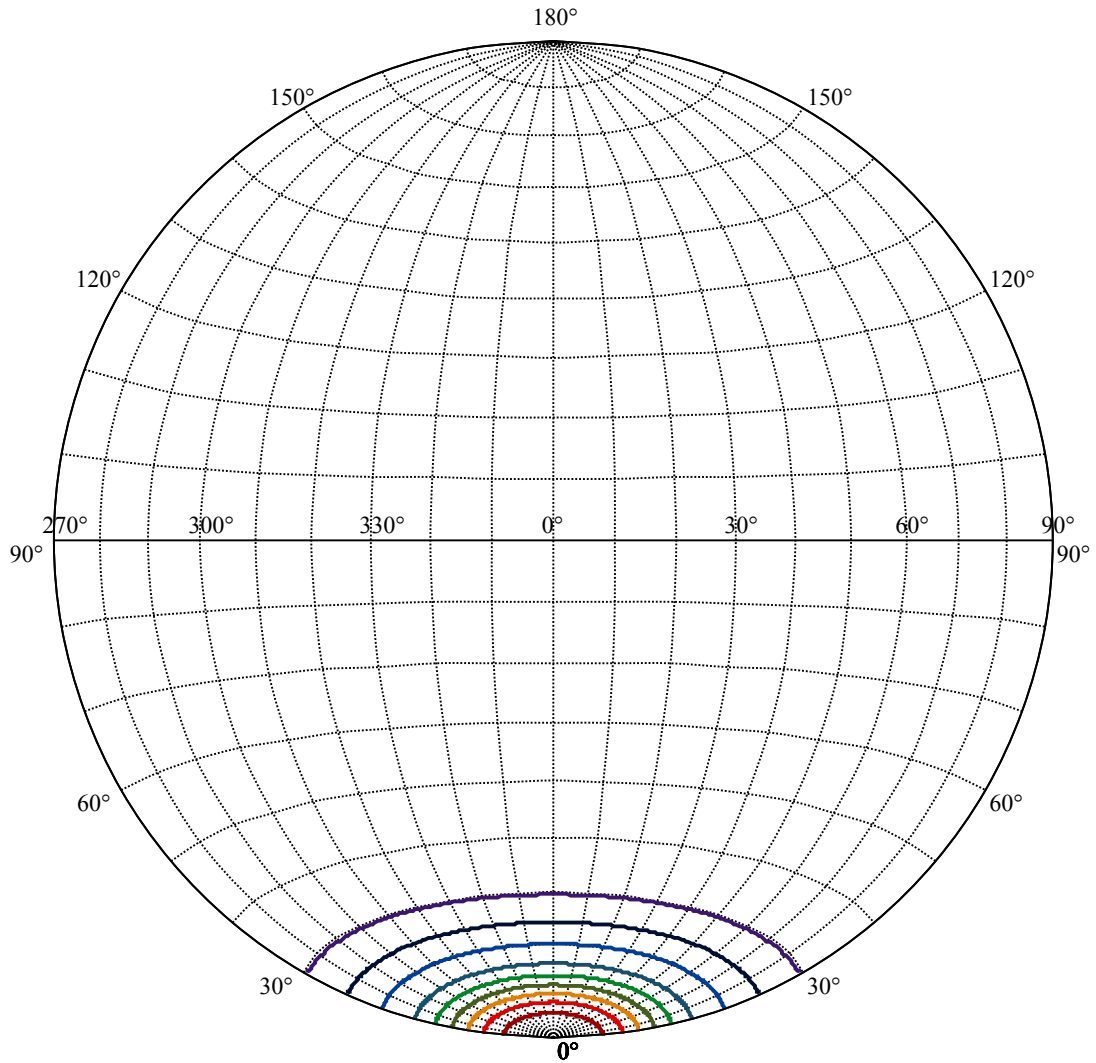
Beam Angle(50%Imax):C0/180Left:13.7 Right:13.7

:C90/270Left:13.7 Right:13.7





(10%Imax) 291.473	—
(20%Imax) 582.945	—
(30%Imax) 874.418	—
(40%Imax) 1165.89	—
(50%Imax) 1457.36	—
(60%Imax) 1748.84	—
(70%Imax) 2040.31	—
(80%Imax) 2331.78	—
(90%Imax) 2623.25	—



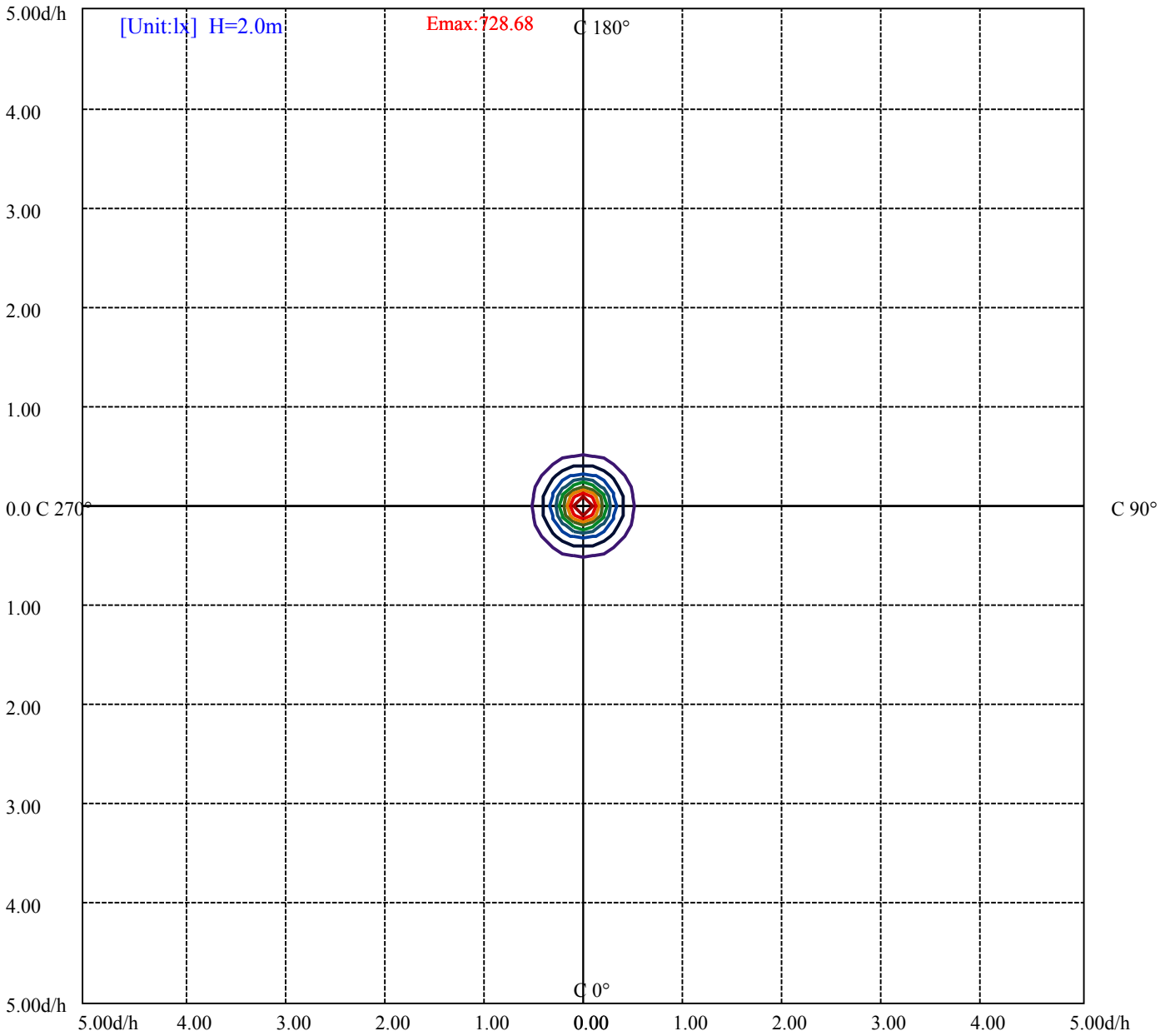
House

[Unit:cd]

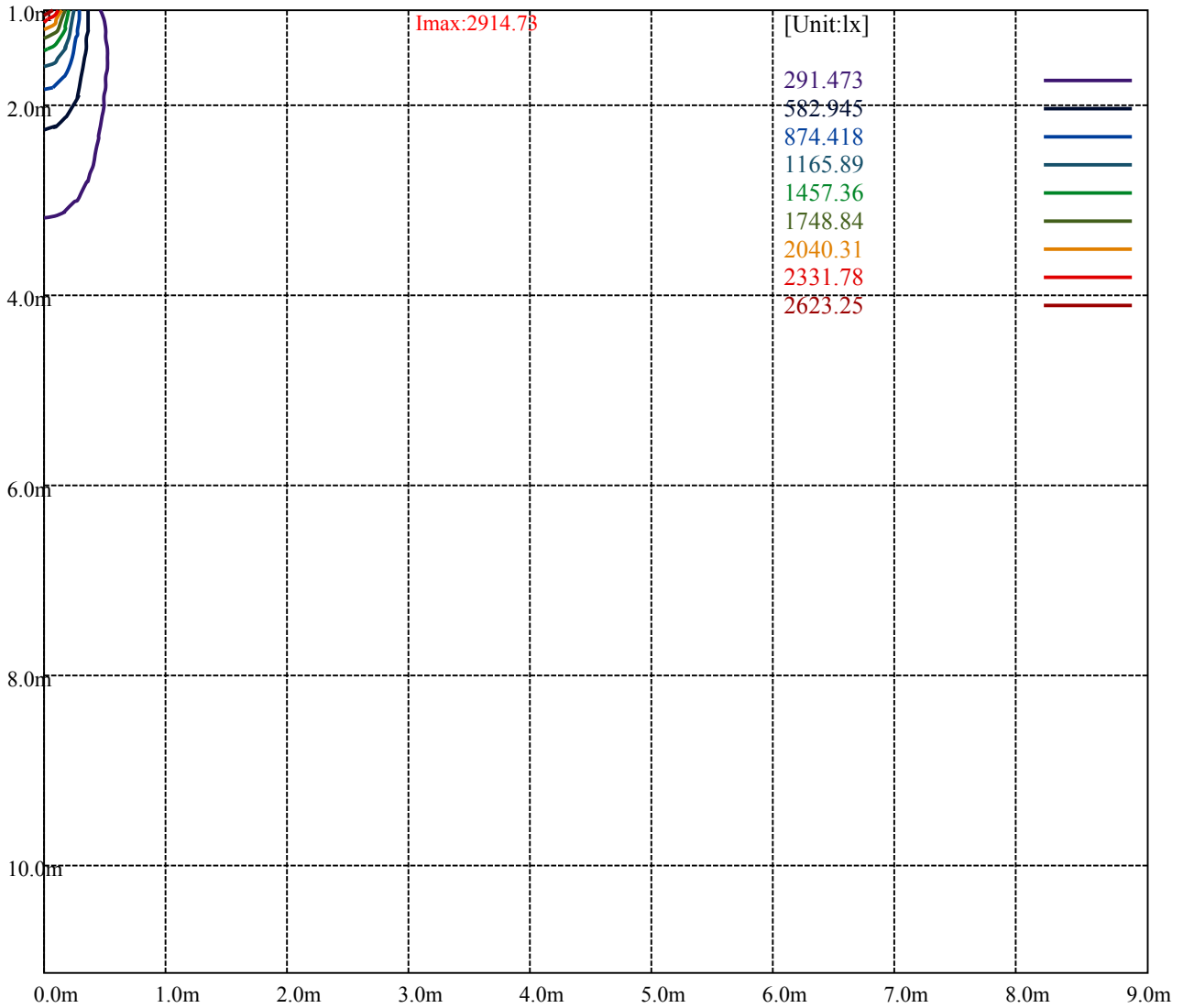
Road

Imax:2914.73

(10%Imax)	291.473	—
(20%Imax)	582.945	—
(30%Imax)	874.418	—
(40%Imax)	1165.89	—
(50%Imax)	1457.36	—
(60%Imax)	1748.84	—
(70%Imax)	2040.31	—
(80%Imax)	2331.78	—
(90%Imax)	2623.25	—



- (10%Emax) 72.86825
- (20%Emax) 145.7363
- (30%Emax) 218.6045
- (40%Emax) 291.4725
- (50%Emax) 364.34
- (60%Emax) 437.21
- (70%Emax) 510.0775
- (80%Emax) 582.945
- (90%Emax) 655.8125



Luminance Table

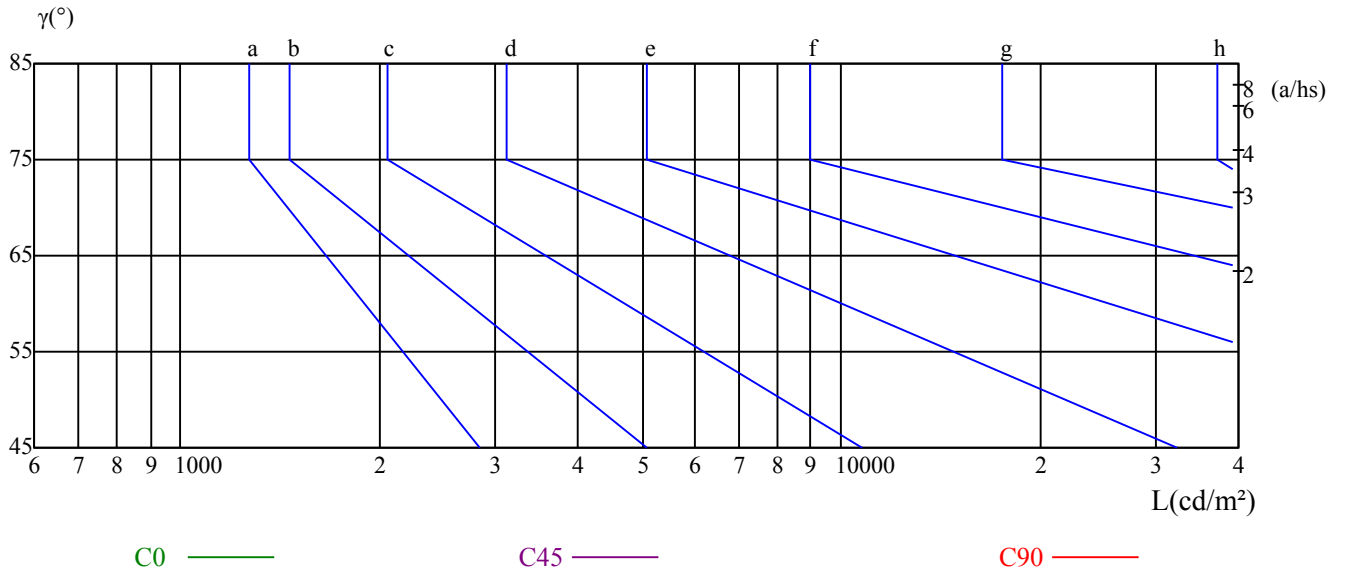
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

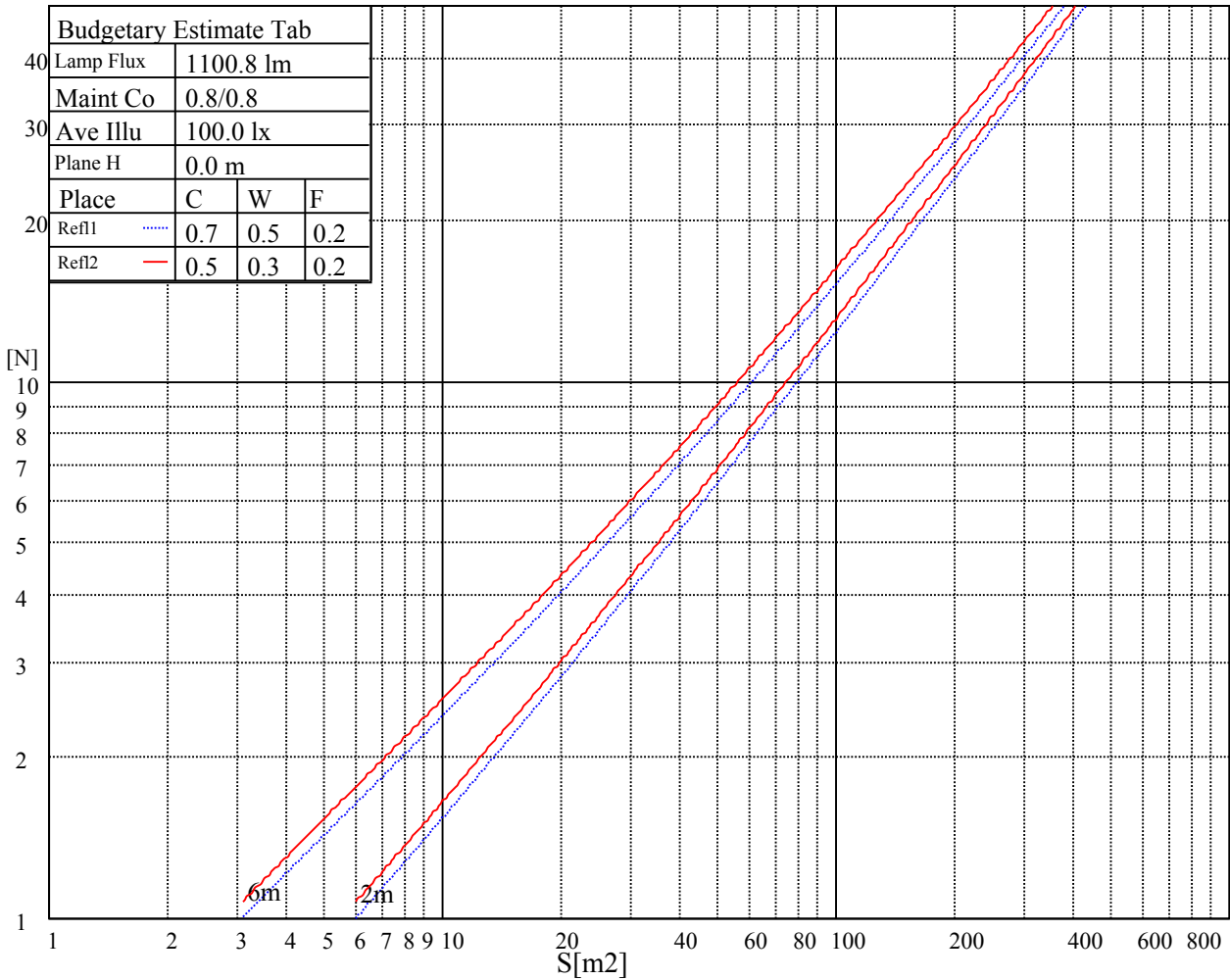
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

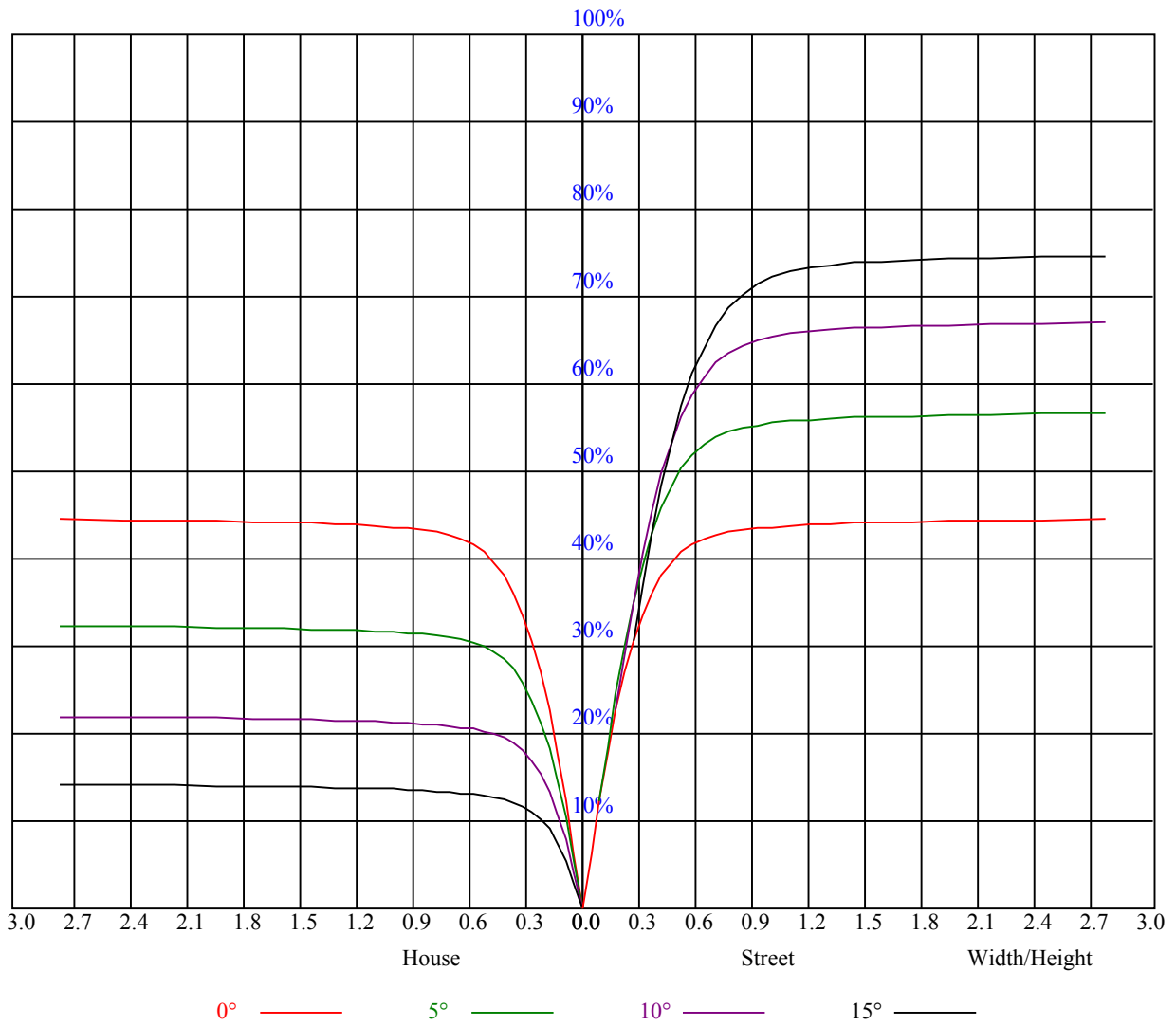


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.07	1.07	1.07	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.91	0.88	0.93	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.80
3	0.89	0.85	0.82	0.88	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.81	0.79	0.78	0.76
4	0.84	0.80	0.77	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.78	0.76	0.74	0.73
5	0.80	0.76	0.73	0.80	0.75	0.72	0.78	0.74	0.72	0.77	0.73	0.71	0.75	0.73	0.70	0.69
6	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.70	0.67	0.66
7	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.63
8	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56



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	2925.94	2921.51	2902.69	2866.15	2814.12	2722.79	2634.78	2527.94	2361.33
45.0	2914.87	2917.63	2897.15	2854.53	2808.03	2722.79	2634.78	2492.52	2364.65
90.0	2898.81	2852.32	2790.87	2716.70	2601.56	2484.77	2323.69	2176.45	2022.01
135.0	2919.29	2888.30	2838.48	2760.43	2674.63	2578.32	2426.65	2290.48	2141.58
180.0	2925.94	2919.85	2898.26	2842.91	2783.12	2704.52	2613.74	2472.04	2344.72
225.0	2914.87	2907.67	2865.60	2814.68	2762.09	2686.81	2562.26	2436.61	2302.10
270.0	2898.81	2917.08	2922.61	2919.85	2884.97	2842.91	2791.98	2722.79	2602.67
315.0	2919.29	2928.15	2934.79	2920.95	2893.28	2847.33	2763.20	2680.17	2577.21
360.0	2925.94	2921.51	2902.69	2866.15	2814.12	2722.79	2634.78	2527.94	2361.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2215.20	2015.37	1858.16	1704.84	1563.13	1404.27	1291.90	1085.37	1085.37
45.0	2222.95	2070.17	1872.56	1718.67	1573.09	1441.35	1299.65	1195.58	1109.78
90.0	1863.70	1682.14	1537.67	1410.91	1296.88	1086.81	1086.81	1010.31	940.35
135.0	1942.86	1791.19	1649.48	1482.87	1370.50	1268.65	1172.89	1069.38	994.10
180.0	2196.38	2013.16	1863.70	1713.14	1545.42	1426.41	1316.81	1223.81	1121.96
225.0	2157.07	1967.77	1824.40	1680.48	1522.17	1407.59	1282.49	1090.24	1090.24
270.0	2487.54	2354.13	2170.36	2021.46	1869.24	1683.80	1544.86	1393.19	1290.24
315.0	2420.56	2274.98	2077.37	1918.50	1766.83	1589.70	1458.51	1345.04	1104.03
360.0	2215.20	2015.37	1858.16	1704.84	1563.13	1404.27	1291.90	1085.37	1085.37
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1007.88	938.08	873.04	805.39	718.32	650.52	585.75	509.92	451.52
45.0	1012.36	943.17	875.09	789.84	722.31	658.65	580.05	519.16	461.04
90.0	870.99	790.73	726.74	645.64	582.38	519.27	446.65	395.83	348.89
135.0	924.90	859.59	778.77	715.11	635.96	573.96	515.84	441.67	387.42
180.0	1044.47	971.40	889.48	828.03	768.25	686.33	620.46	566.77	493.15
225.0	1033.73	952.97	889.37	825.88	762.99	685.33	625.61	567.21	509.92
270.0	1197.80	1118.64	1027.86	960.88	902.21	840.21	758.29	699.61	637.06
315.0	1104.03	1043.47	972.29	905.09	825.10	761.11	699.34	637.40	562.89
360.0	1007.88	938.08	873.04	805.39	718.32	650.52	585.75	509.92	451.52
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	383.99	334.11	288.95	247.43	199.44	165.62	136.72	108.71	93.27
45.0	403.47	339.82	294.43	283.36	283.36	169.22	141.59	116.41	94.65
90.0	289.50	247.82	209.02	172.59	135.45	111.98	94.88	82.92	73.40
135.0	335.39	288.89	288.89	193.29	161.74	133.62	105.01	89.78	79.54
180.0	435.58	384.10	324.87	287.78	287.78	189.53	147.90	120.28	100.41
225.0	443.27	388.69	338.82	284.52	242.50	204.03	161.96	133.35	110.26
270.0	560.12	501.45	444.43	382.44	334.83	285.02	285.02	192.80	159.36
315.0	503.05	430.54	375.68	327.86	271.12	230.44	192.41	161.25	127.76
360.0	383.99	334.11	288.95	247.43	199.44	165.62	136.72	108.71	93.27
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	82.14	74.34	67.53	59.28	53.08	47.55	41.57	37.31	32.60
45.0	83.20	73.40	66.54	60.06	54.41	47.77	42.95	38.64	34.76
90.0	67.31	61.00	53.31	47.94	41.96	37.86	34.04	30.78	27.07
135.0	72.40	64.32	58.12	51.31	46.33	40.74	36.75	33.10	29.84
180.0	86.57	74.95	68.75	62.72	55.13	49.76	43.90	39.36	35.20
225.0	91.83	82.70	75.11	65.93	58.90	53.19	48.05	42.35	38.25
270.0	130.75	105.28	91.28	80.59	73.07	63.60	55.69	49.93	43.90
315.0	106.89	92.00	81.20	71.41	63.88	56.63	49.10	43.95	39.36
360.0	82.14	74.34	67.53	59.28	53.08	47.55	41.57	37.31	32.60

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	29.17	26.29	23.25	21.37	19.71	18.38	16.94	16.00	15.22
45.0	30.50	27.46	24.74	22.47	20.15	18.60	17.05	16.00	15.06
90.0	24.52	22.47	20.76	18.99	17.77	16.72	15.67	14.89	14.17
135.0	26.24	23.86	21.81	20.15	18.43	17.27	16.27	15.44	14.56
180.0	31.61	27.57	24.96	22.69	20.87	19.04	17.82	16.72	15.83
225.0	34.54	31.16	27.57	25.19	22.75	21.20	19.76	18.16	17.10
270.0	39.08	35.04	30.89	27.62	25.13	22.36	20.65	19.10	17.55
315.0	34.26	30.83	27.62	24.36	22.09	20.26	18.43	17.16	16.11
360.0	29.17	26.29	23.25	21.37	19.71	18.38	16.94	16.00	15.22
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	14.50	13.73	13.23	12.73	12.18	11.85	11.51	11.13	10.85
45.0	14.17	13.51	12.95	12.40	11.90	11.57	11.24	10.79	10.52
90.0	13.45	12.95	12.40	12.01	11.62	11.29	10.96	10.57	10.24
135.0	13.95	13.34	12.79	12.34	11.85	11.46	11.13	10.74	10.35
180.0	14.83	14.17	13.45	13.01	12.57	12.07	11.68	11.35	11.02
225.0	16.22	15.44	14.61	14.00	13.45	13.01	12.45	12.07	11.68
270.0	16.38	15.50	14.72	14.00	13.23	12.73	12.29	11.73	11.40
315.0	15.22	14.23	13.56	13.01	12.51	12.01	11.62	11.24	10.90
360.0	14.50	13.73	13.23	12.73	12.18	11.85	11.51	11.13	10.85
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.63	10.30	10.02	9.74	9.47	9.02	8.69	8.36	8.08
45.0	10.24	9.96	9.63	9.35	9.08	8.69	8.36	7.97	7.64
90.0	9.96	9.58	9.24	8.86	8.47	8.08	7.75	7.36	7.14
135.0	10.07	9.74	9.41	8.97	8.58	8.25	7.92	7.53	7.25
180.0	10.63	10.30	10.02	9.63	9.30	8.97	8.58	8.19	7.86
225.0	11.18	10.74	10.30	9.96	9.58	9.19	8.69	8.36	8.08
270.0	10.96	10.63	10.30	9.96	9.69	9.35	9.02	8.64	8.30
315.0	10.63	10.30	10.02	9.74	9.52	9.13	8.80	8.47	8.19
360.0	10.63	10.30	10.02	9.74	9.47	9.02	8.69	8.36	8.08
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.69	7.42	7.09	6.86	6.64	6.37	6.20	5.92	5.70
45.0	7.31	7.03	6.75	6.53	6.37	6.14	5.92	5.70	5.54
90.0	6.92	6.64	6.42	6.20	6.03	5.76	5.59	5.37	5.20
135.0	6.92	6.70	6.48	6.20	6.03	5.81	5.65	5.37	5.20
180.0	7.47	7.20	6.97	6.70	6.48	6.25	6.03	5.76	5.54
225.0	7.75	7.36	7.14	6.86	6.53	6.31	6.09	5.87	5.65
270.0	7.92	7.64	7.25	7.03	6.75	6.48	6.31	6.09	5.81
315.0	7.75	7.47	7.20	6.86	6.64	6.37	6.14	5.92	5.76
360.0	7.69	7.42	7.09	6.86	6.64	6.37	6.20	5.92	5.70
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.48	5.31	5.15	5.04	4.93	4.76	4.59	4.48	4.43
45.0	5.31	5.09	4.93	4.82	4.71	4.54	4.43	4.37	4.21
90.0	5.04	4.87	4.76	4.65	4.54	4.37	4.26	4.15	4.15
135.0	5.04	4.87	4.76	4.54	4.43	4.32	4.21	4.04	4.04
180.0	5.37	5.15	4.98	4.87	4.76	4.65	4.48	4.32	4.21
225.0	5.42	5.26	5.09	4.98	4.82	4.65	4.54	4.37	4.26
270.0	5.59	5.37	5.20	5.09	4.93	4.76	4.59	4.48	4.37
315.0	5.54	5.31	5.15	4.93	4.82	4.71	4.54	4.37	4.32
360.0	5.48	5.31	5.15	5.04	4.93	4.76	4.59	4.48	4.43

Intensity data(cd)

<i>C/γ(°)</i>	90.0
0.0	4.32
45.0	4.15
90.0	4.15
135.0	4.04
180.0	4.21
225.0	4.21
270.0	4.26
315.0	4.21
360.0	4.32