



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

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## Nata

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Client:

LumCAT: 1-0936-N

Luminaire: 92.70.246.00

Report No: 200327-B013

Test No: 200327-C013

LampCAT: LUMINUS CXM-9-AC40

Lamp flux(lm): 1447.9

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.3000

Current(A): 0.3070

Power (W): 10.5300

PF: 0.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

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## Photometric Results

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Lumens(lm): 1144.55, Efficiency(%): 79.05% , Luminous Efficacy(lm/W): 108.69

Central intensity(cd): 4939.594, Maximum intensity(cd): 4939.594

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

Beam Angle(50%Imax): [C0/180]Total=23.6

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=50.0

[C90/270]Total=50.0

Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40

Maximum s/h(1/4): C0\_180=0.42 C90\_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 79.05%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.460%

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Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2020/3/27  
Humidity(%): 65.0%

Operator: NT07  
Distance(m): 7.50

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4939.594	0.000	0	.000%	.000%
1.0	4910.414	4.713	4.713	.326%	.412%
2.0	4822.242	13.969	18.682	.965%	1.632%
3.0	4679.859	22.726	41.408	1.570%	3.618%
4.0	4508.297	30.756	72.164	2.124%	6.305%
5.0	4302.211	37.902	110.066	2.618%	9.617%
6.0	4055.977	43.924	153.991	3.034%	13.454%
7.0	3804.117	48.787	202.778	3.369%	17.717%
8.0	3551.203	52.641	255.419	3.636%	22.316%
9.0	3258.141	55.186	310.605	3.811%	27.138%
10.0	2969.297	56.356	366.961	3.892%	32.062%
11.0	2695.781	56.606	423.567	3.909%	37.007%
12.0	2427.820	56.008	479.575	3.868%	41.901%
13.0	2157.680	54.418	533.993	3.758%	46.655%
14.0	1921.922	52.219	586.212	3.606%	51.218%
15.0	1706.203	49.809	636.02	3.440%	55.570%
16.0	1520.156	47.275	683.295	3.265%	59.700%
17.0	1341.984	44.571	727.867	3.078%	63.594%
18.0	1186.770	41.694	769.56	2.880%	67.237%
19.0	1063.441	39.149	808.709	2.704%	70.658%
20.0	954.661	36.937	845.646	2.551%	73.885%
21.0	847.097	34.597	880.244	2.389%	76.908%
22.0	760.148	32.298	912.542	2.231%	79.729%
23.0	669.691	30.002	942.544	2.072%	82.351%
24.0	578.292	27.285	969.829	1.884%	84.735%
25.0	497.496	24.461	994.29	1.689%	86.872%
26.0	418.388	21.620	1015.91	1.493%	88.761%
27.0	340.573	18.568	1034.478	1.282%	90.383%
28.0	271.259	15.490	1049.968	1.070%	91.736%
29.0	211.078	12.619	1062.588	.872%	92.839%
30.0	154.230	9.863	1072.451	.681%	93.701%
31.0	111.059	7.383	1079.833	.510%	94.346%
32.0	78.855	5.441	1085.274	.376%	94.821%
33.0	60.307	4.100	1089.374	.283%	95.179%
34.0	50.119	3.342	1092.716	.231%	95.471%
35.0	43.777	2.916	1095.632	.201%	95.726%
36.0	38.735	2.627	1098.259	.181%	95.956%
37.0	34.882	2.401	1100.66	.166%	96.165%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	31.359	2.211	1102.871	.153%	96.359%
39.0	28.245	2.034	1104.906	.141%	96.536%
40.0	25.777	1.884	1106.79	.130%	96.701%
41.0	23.386	1.751	1108.54	.121%	96.854%
42.0	21.319	1.624	1110.164	.112%	96.996%
43.0	19.463	1.511	1111.675	.104%	97.128%
44.0	17.965	1.413	1113.088	.098%	97.251%
45.0	16.538	1.326	1114.414	.092%	97.367%
46.0	14.998	1.233	1115.647	.085%	97.475%
47.0	13.753	1.143	1116.79	.079%	97.575%
48.0	12.734	1.071	1117.861	.074%	97.668%
49.0	11.637	1.001	1118.862	.069%	97.756%
50.0	10.702	0.931	1119.793	.064%	97.837%
51.0	9.907	0.872	1120.665	.060%	97.913%
52.0	9.120	0.816	1121.482	.056%	97.985%
53.0	8.430	0.763	1122.245	.053%	98.051%
54.0	7.973	0.723	1122.968	.050%	98.115%
55.0	7.636	0.697	1123.665	.048%	98.175%
56.0	7.341	0.677	1124.342	.047%	98.235%
57.0	7.095	0.660	1125.002	.046%	98.292%
58.0	6.926	0.648	1125.65	.045%	98.349%
59.0	6.771	0.640	1126.29	.044%	98.405%
60.0	6.645	0.634	1126.924	.044%	98.460%
61.0	6.581	0.631	1127.555	.044%	98.515%
62.0	6.504	0.631	1128.186	.044%	98.570%
63.0	6.469	0.631	1128.817	.044%	98.626%
64.0	6.462	0.634	1129.451	.044%	98.681%
65.0	6.441	0.639	1130.09	.044%	98.737%
66.0	6.356	0.638	1130.728	.044%	98.793%
67.0	6.209	0.632	1131.36	.044%	98.848%
68.0	6.047	0.621	1131.981	.043%	98.902%
69.0	5.977	0.613	1132.594	.042%	98.956%
70.0	5.920	0.611	1133.205	.042%	99.009%
71.0	5.836	0.608	1133.813	.042%	99.062%
72.0	5.709	0.600	1134.413	.041%	99.115%
73.0	5.597	0.591	1135.004	.041%	99.166%
74.0	5.505	0.584	1135.588	.040%	99.217%
75.0	5.435	0.578	1136.166	.040%	99.268%

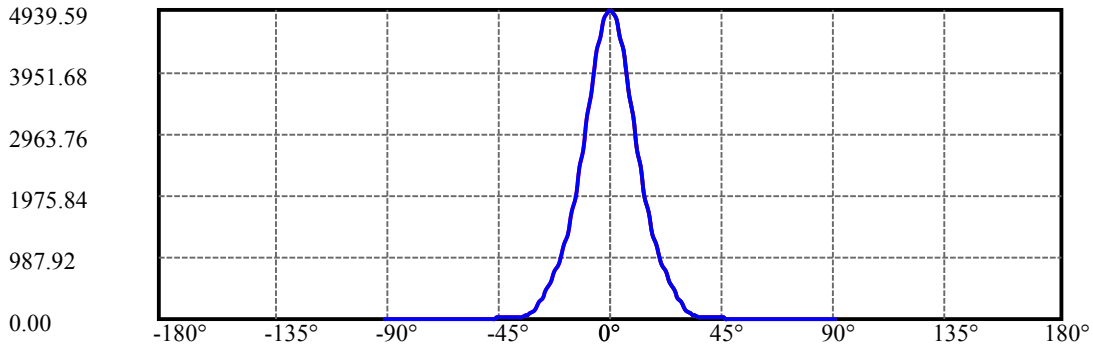
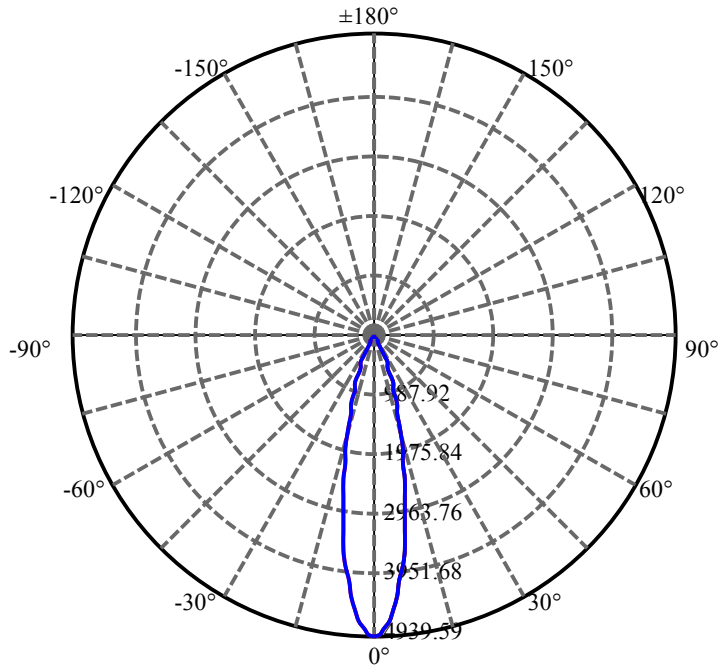
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.372	0.574	1136.74	.040%	99.318%
77.0	5.316	0.570	1137.31	.039%	99.368%
78.0	5.288	0.568	1137.877	.039%	99.417%
79.0	5.238	0.566	1138.443	.039%	99.467%
80.0	5.231	0.564	1139.007	.039%	99.516%
81.0	5.217	0.565	1139.572	.039%	99.565%
82.0	5.252	0.568	1140.14	.039%	99.615%
83.0	5.400	0.579	1140.719	.040%	99.665%
84.0	5.505	0.594	1141.313	.041%	99.717%
85.0	5.569	0.604	1141.918	.042%	99.770%
86.0	5.119	0.584	1142.502	.040%	99.821%
87.0	4.662	0.535	1143.037	.037%	99.868%
88.0	4.620	0.508	1143.546	.035%	99.912%
89.0	4.563	0.503	1144.049	.035%	99.956%
90.0	4.542	0.499	1144.548	.034%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1072.45	74.07%	93.70%
0-40	1106.79	76.44%	96.70%
0-60	1126.92	77.83%	98.46%
0-90	1144.05	79.01%	99.96%
0-120	1144.05	79.01%	99.96%
0-180	1144.55	79.05%	100.00%
60-90	17.76	1.23%	1.55%
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%
0-22.10	915.64	63.24%	80.00%

ZONAL LUMEN SUMMARY

0-10	366.96
10-20	478.69
20-30	226.80
30-40	34.34
40-50	13.00
50-60	7.13
60-70	6.28
70-80	5.80
80-90	5.04
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: —————

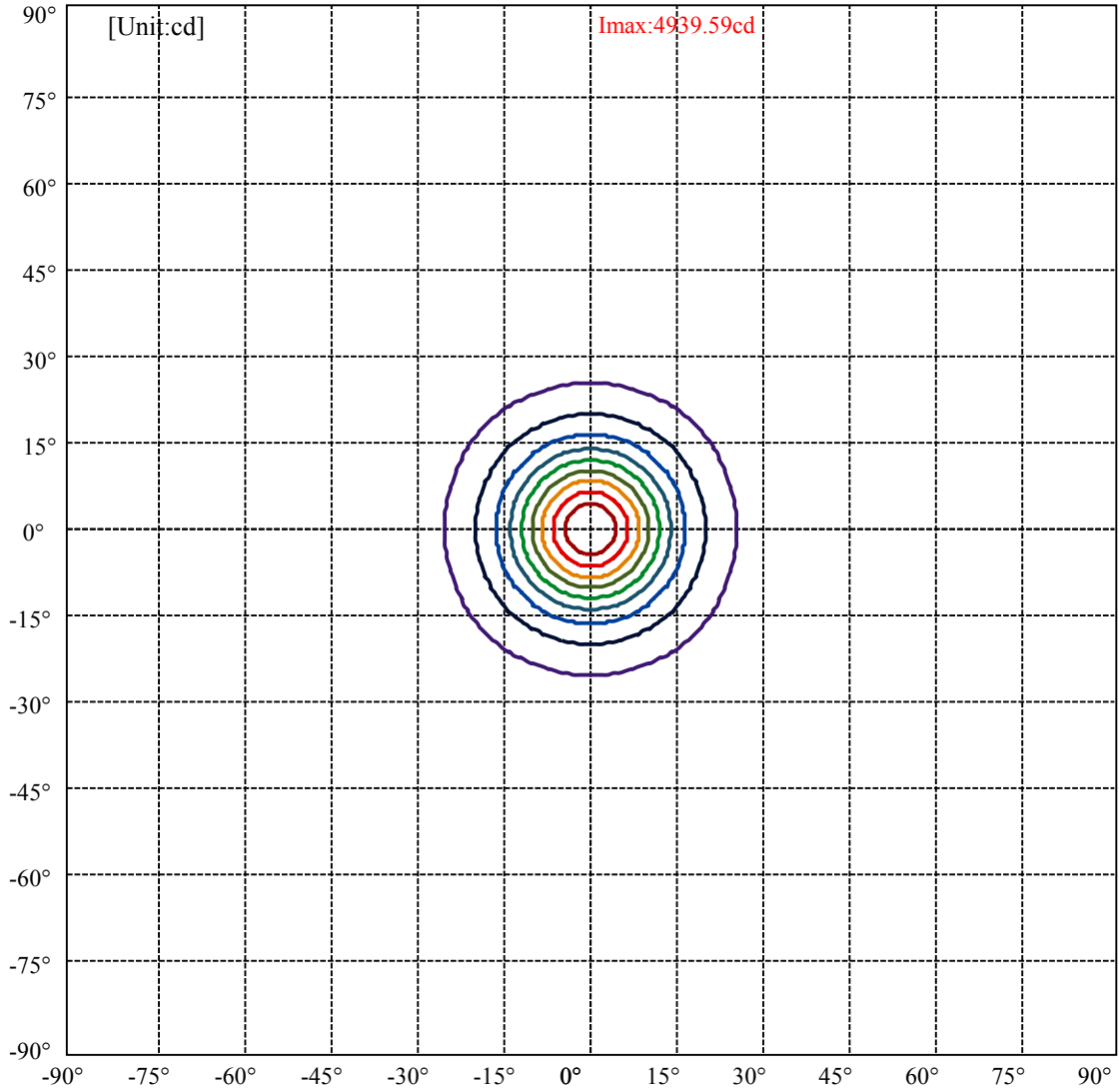
Field angle(10%Imax):C0/180Left:25.0 Right:25.0

:C90/270Left:25.0 Right:25.0

Beam Angle(50%Imax):C0/180Left:11.8 Right:11.8

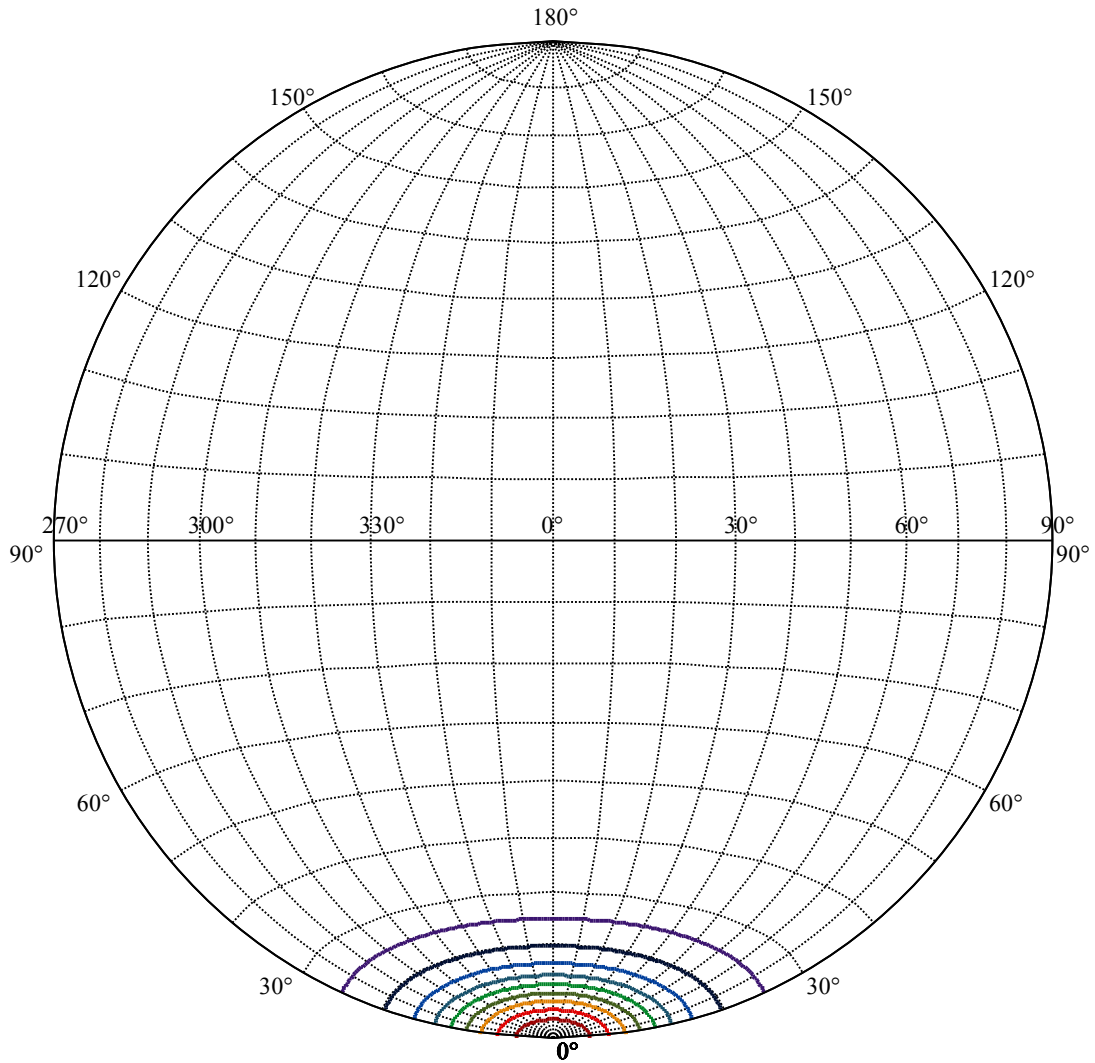
:C90/270Left:11.8 Right:11.8





(10%Imax) 493.959	—
(20%Imax) 987.919	—
(30%Imax) 1481.88	—
(40%Imax) 1975.84	—
(50%Imax) 2469.8	—
(60%Imax) 2963.76	—
(70%Imax) 3457.72	—
(80%Imax) 3951.68	—
(90%Imax) 4445.63	—





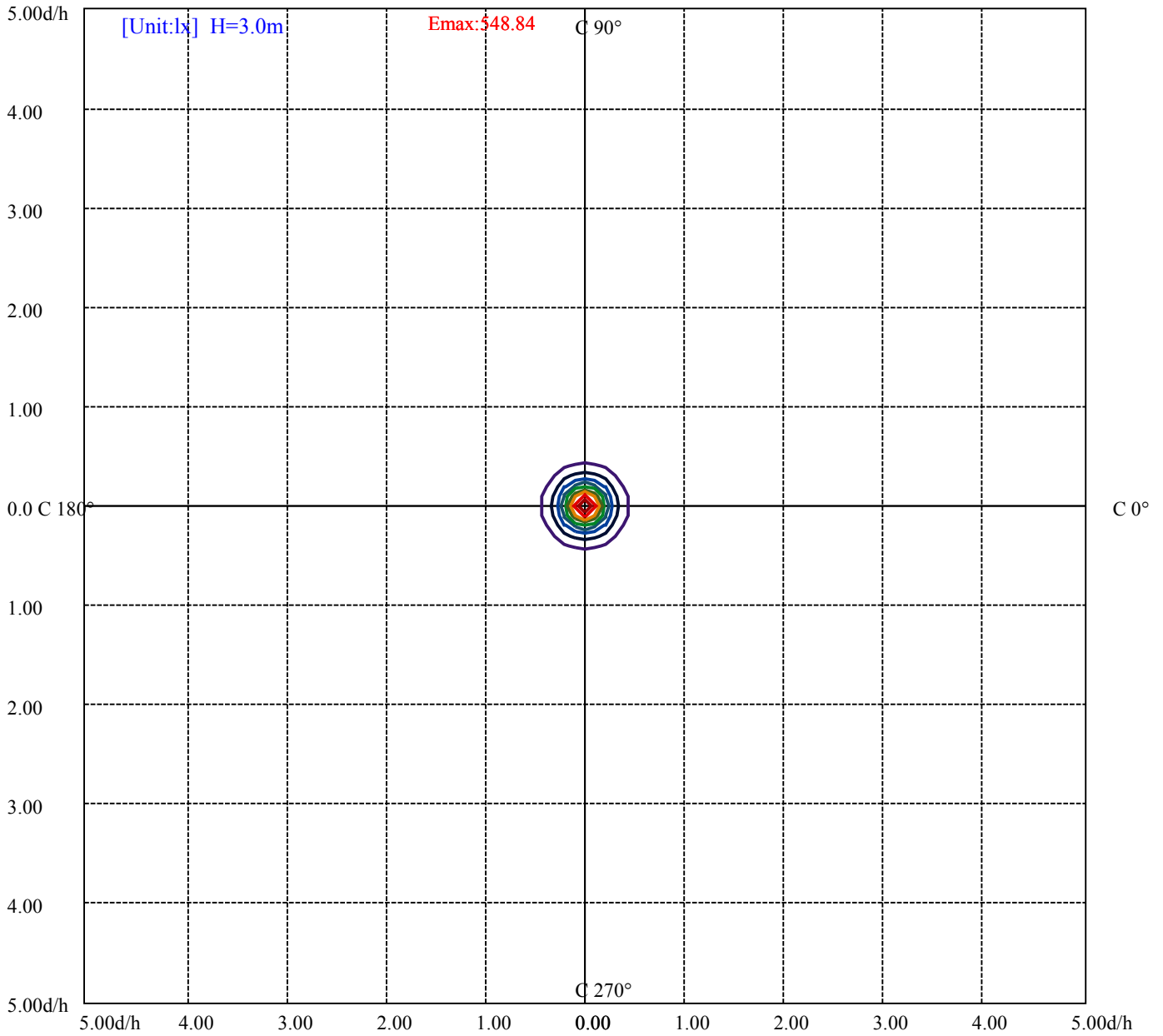
House

[Unit:cd]

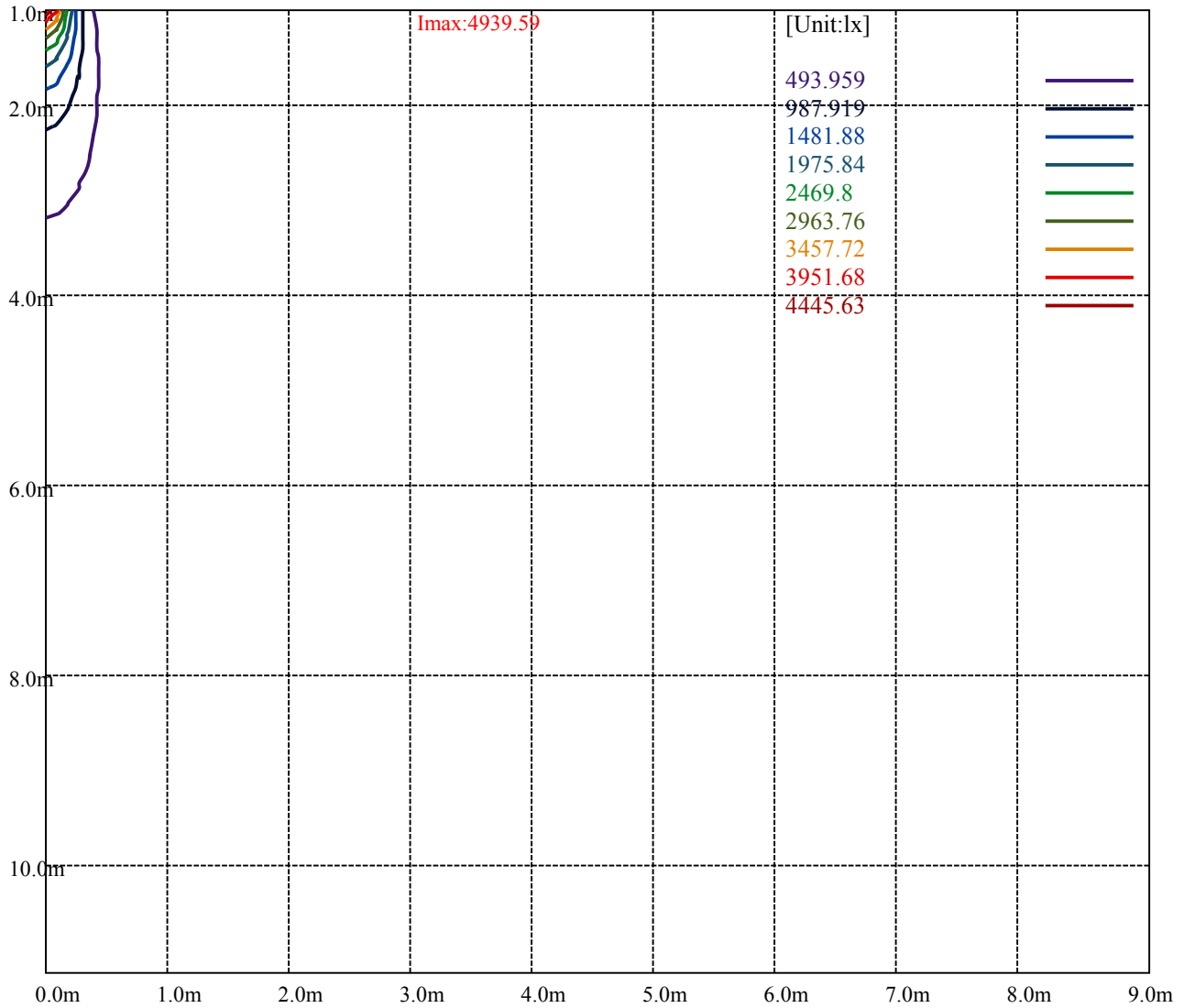
Road

**Imax:4939.59**

(10%Imax) 493.959	—
(20%Imax) 987.919	—
(30%Imax) 1481.88	—
(40%Imax) 1975.84	—
(50%Imax) 2469.8	—
(60%Imax) 2963.76	—
(70%Imax) 3457.72	—
(80%Imax) 3951.68	—
(90%Imax) 4445.63	—



(10%E <sub>max</sub> ) 54.88433	—
(20%E <sub>max</sub> ) 109.7687	—
(30%E <sub>max</sub> ) 164.6533	—
(40%E <sub>max</sub> ) 219.5378	—
(50%E <sub>max</sub> ) 274.4211	—
(60%E <sub>max</sub> ) 329.3055	—
(70%E <sub>max</sub> ) 384.19	—
(80%E <sub>max</sub> ) 439.0744	—
(90%E <sub>max</sub> ) 493.9589	—



Luminance Table

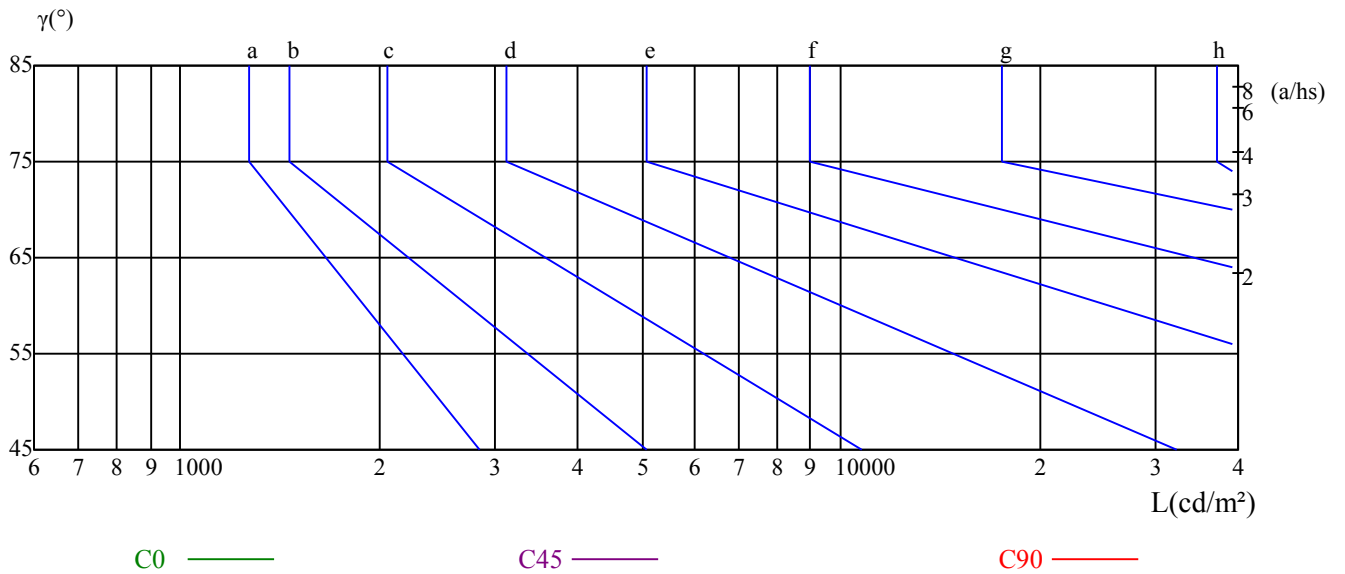
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

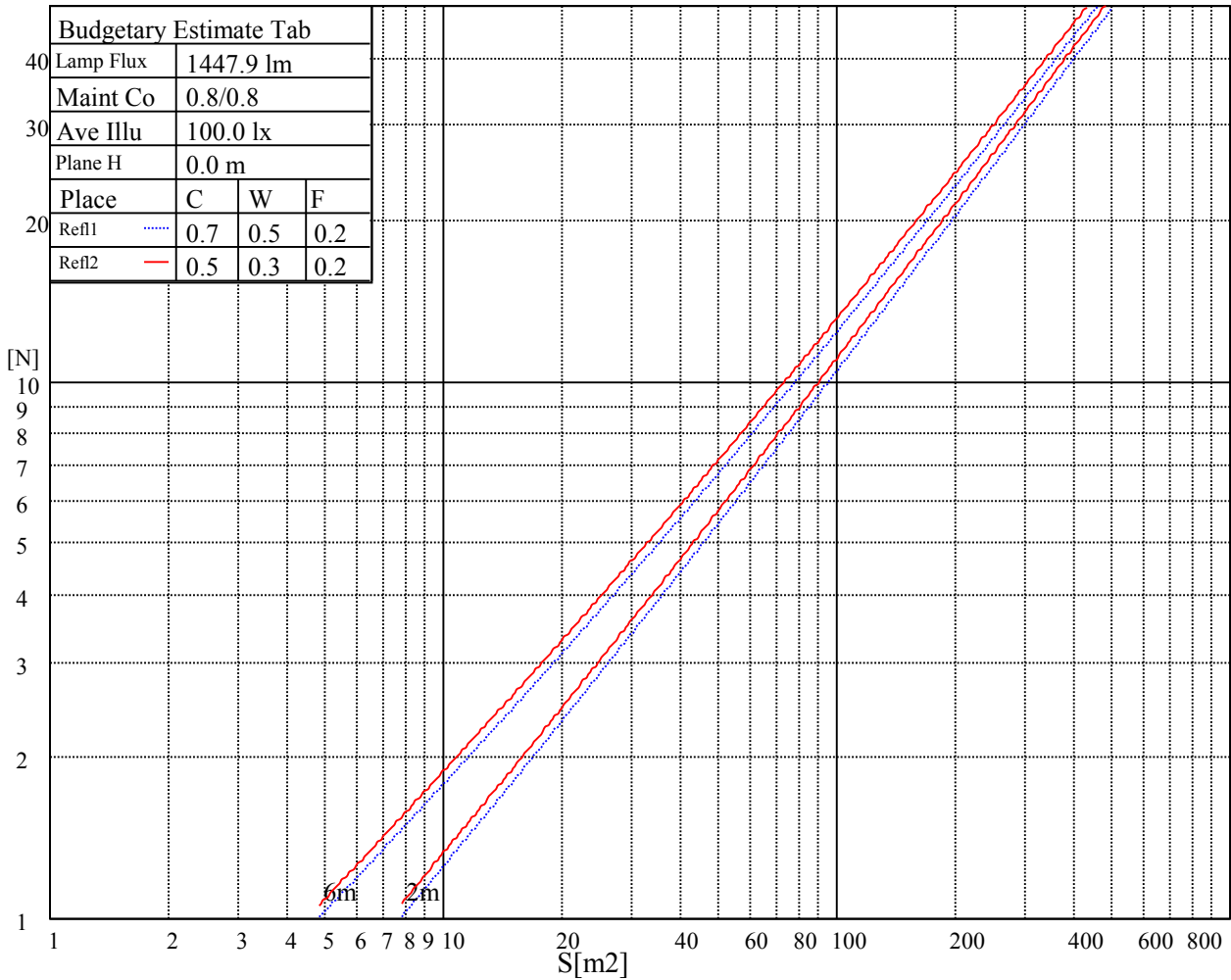
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

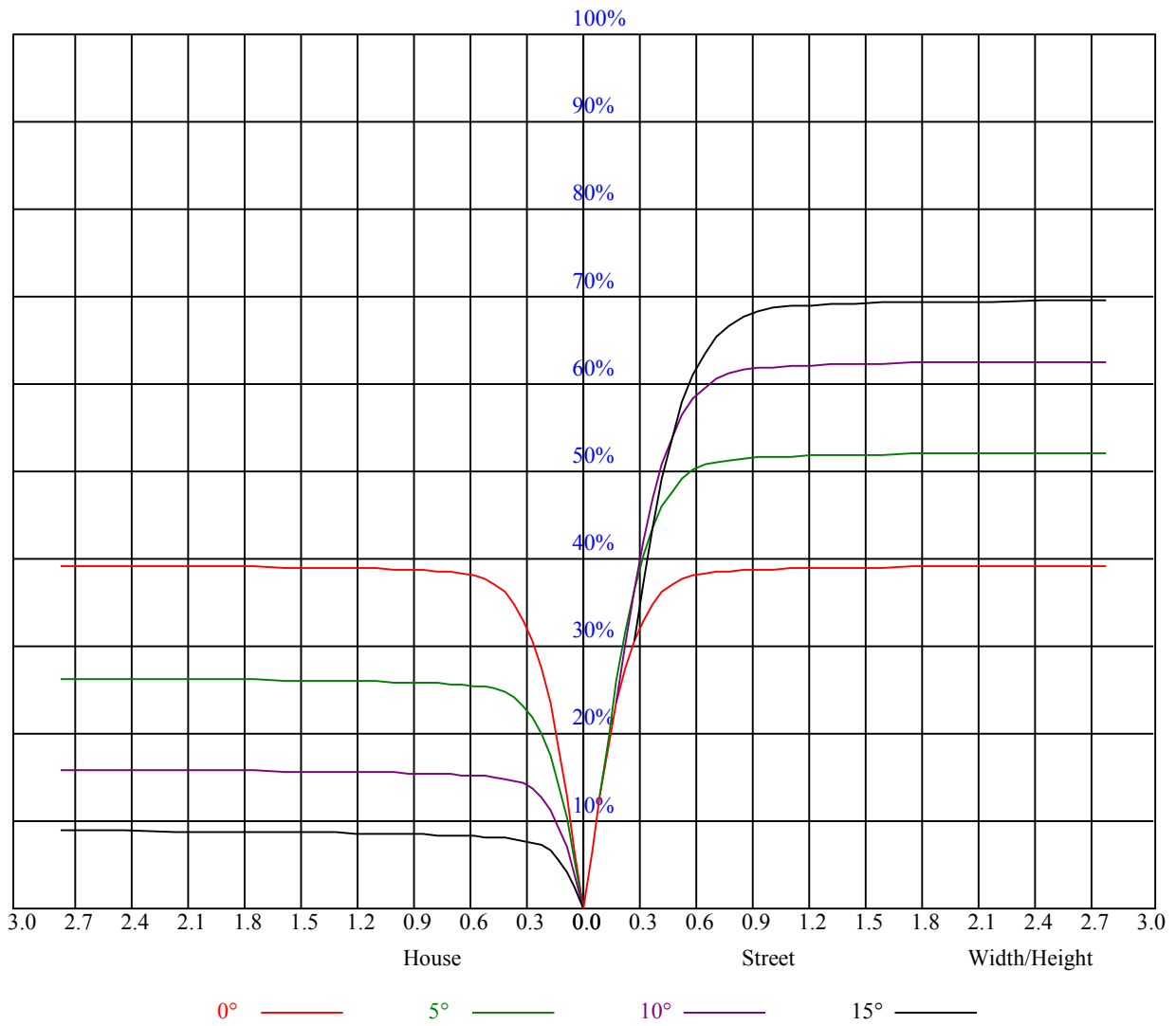


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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				

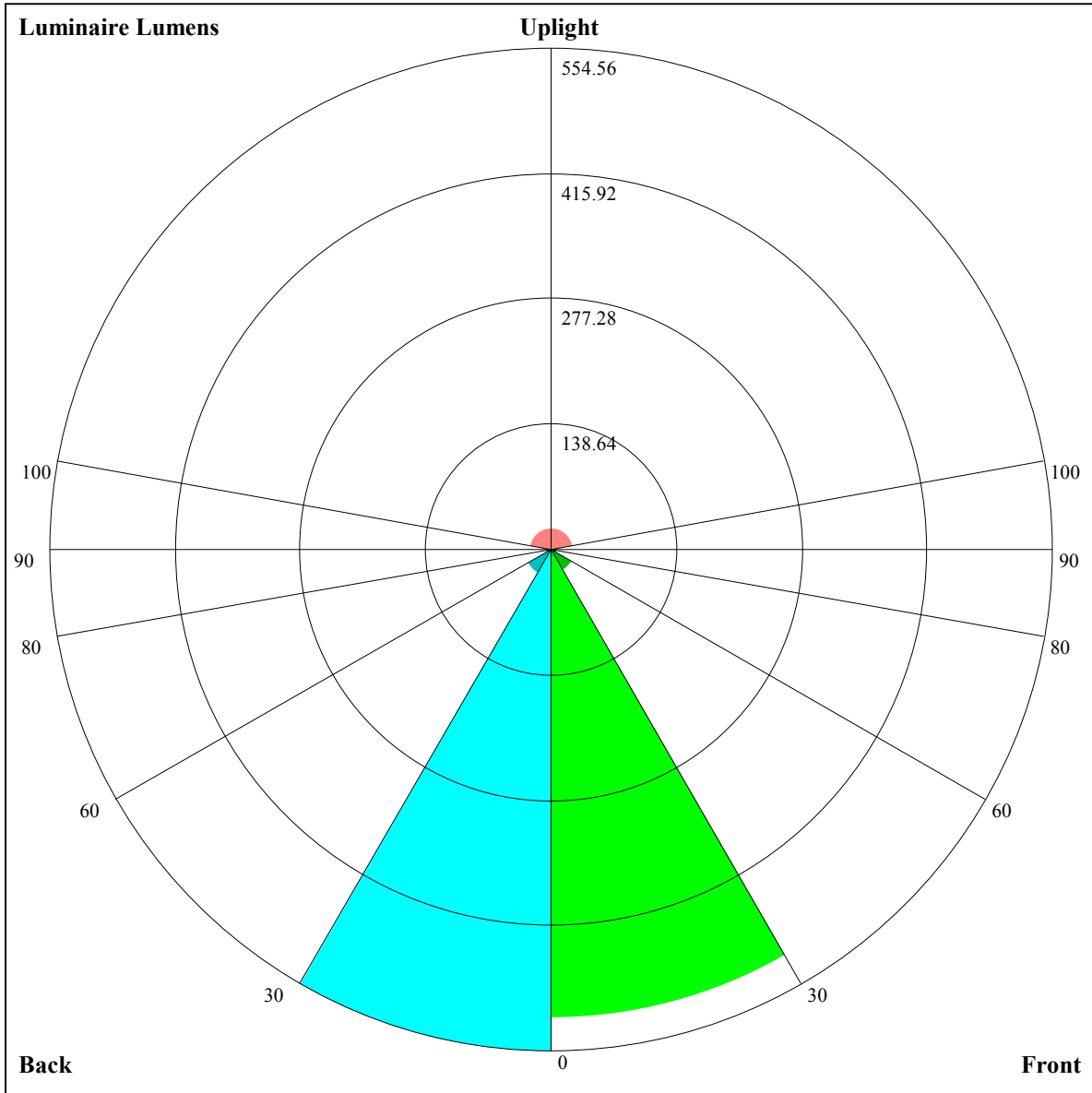
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.94	0.94	0.94	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.81	0.81	0.81	0.79
1	0.89	0.87	0.86	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76
2	0.84	0.82	0.80	0.83	0.81	0.79	0.80	0.79	0.77	0.78	0.77	0.75	0.76	0.75	0.74	0.73
3	0.80	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.74	0.72	0.74	0.72	0.71	0.70
4	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.70	0.68	0.66	0.65
6	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.68	0.65	0.64	0.63
7	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.62	0.61
8	0.66	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.57
10	0.62	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.61	0.58	0.56	0.61	0.58	0.56	0.56







Luminaire Lumens:

FL=517.91,FM=26.55,FH=6.09,FVH=2.89

BL=554.56,BM=29.47,BH=6.12,BVH=2.9

UL=4.96,UH=23.58

BUG Rating:B2-U2-G0

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	4949.44	4884.75	4768.88	4619.25	4414.50	4177.13	3944.81	3672.00	3418.88
45.0	4950.56	4884.19	4744.69	4584.94	4399.31	4164.75	3904.31	3652.88	3359.25
90.0	4927.50	4859.44	4748.06	4553.44	4366.69	4156.88	3891.94	3606.75	3346.88
135.0	4930.88	4933.69	4864.50	4756.50	4589.44	4410.00	4177.13	3915.00	3669.75
180.0	4949.44	4943.25	4880.25	4747.50	4598.44	4420.13	4160.25	3928.50	3682.13
225.0	4950.56	4961.81	4908.94	4792.50	4652.44	4452.75	4224.94	4005.00	3769.31
270.0	4927.50	4944.94	4890.94	4794.75	4636.13	4434.75	4228.88	3976.88	3739.50
315.0	4930.88	4871.25	4771.69	4590.00	4409.44	4201.31	3915.56	3675.94	3423.94
360.0	4949.44	4884.75	4768.88	4619.25	4414.50	4177.13	3944.81	3672.00	3418.88
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3127.50	2830.50	2570.06	2318.63	2027.81	1813.50	1623.38	1411.31	1265.06
45.0	3067.88	2803.50	2503.13	2252.81	1994.63	1760.63	1574.44	1428.75	1232.44
90.0	3048.75	2749.50	2487.94	2212.31	1987.31	1754.44	1548.00	1385.44	1200.38
135.0	3385.13	3088.69	2820.38	2552.63	2241.56	2010.38	1798.31	1590.19	1406.25
180.0	3358.69	3092.06	2823.75	2532.94	2289.38	2027.25	1766.25	1607.63	1442.25
225.0	3486.94	3191.63	2890.69	2625.19	2337.75	2104.31	1860.75	1668.94	1454.63
270.0	3461.06	3169.69	2905.88	2642.63	2357.44	2091.38	1873.69	1630.13	1461.38
315.0	3129.19	2828.81	2564.44	2285.44	2025.56	1813.50	1604.81	1438.88	1273.50
360.0	3127.50	2830.50	2570.06	2318.63	2027.81	1813.50	1623.38	1411.31	1265.06
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1137.38	1010.25	897.19	811.13	715.50	623.25	542.25	453.94	378.00
45.0	1104.75	1002.38	867.94	780.75	706.50	597.94	514.13	451.13	357.75
90.0	1079.33	966.71	865.91	758.70	676.58	596.81	500.51	428.46	359.04
135.0	1257.75	1107.00	983.25	878.63	781.31	693.00	599.63	514.13	439.31
180.0	1195.88	1108.18	1009.58	881.72	796.28	711.62	630.28	531.28	455.57
225.0	1307.81	1115.38	1058.34	926.27	837.56	752.74	647.04	569.19	491.68
270.0	1312.88	1181.81	1040.06	934.31	846.00	743.63	655.88	573.75	483.19
315.0	1098.39	1015.82	915.02	805.28	721.46	638.55	536.63	458.10	382.56
360.0	1137.38	1010.25	897.19	811.13	715.50	623.25	542.25	453.94	378.00
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	299.25	252.68	172.74	128.08	84.83	63.79	54.11	46.07	41.51
45.0	290.81	220.05	163.91	122.34	82.80	59.18	49.95	43.82	38.87
90.0	279.23	221.63	168.81	114.75	85.50	60.64	48.54	43.43	38.98
135.0	367.88	289.69	218.48	166.95	117.17	83.53	62.21	50.96	43.20
180.0	383.23	306.11	238.28	183.38	132.53	91.58	67.05	53.10	45.68
225.0	404.66	324.00	258.81	197.44	151.26	106.82	72.96	57.54	48.49
270.0	396.56	325.13	291.38	193.78	140.85	97.99	71.61	56.64	49.16
315.0	302.96	230.79	176.23	127.13	93.54	67.33	56.03	49.39	44.33
360.0	299.25	252.68	172.74	128.08	84.83	63.79	54.11	46.07	41.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	37.13	33.47	29.70	27.11	24.53	22.44	20.31	18.79	17.49
45.0	34.65	31.50	28.80	25.88	23.63	21.54	19.58	18.11	16.82
90.0	33.81	31.05	28.63	25.31	23.34	21.54	19.58	17.89	16.71
135.0	38.76	34.99	31.61	28.58	26.27	23.63	21.49	19.63	17.94
180.0	39.99	35.27	31.84	28.86	26.10	23.68	21.71	19.46	18.11
225.0	42.53	38.03	33.98	30.26	27.68	24.98	22.73	20.64	18.90
270.0	44.21	39.88	34.65	31.78	29.14	25.99	23.68	21.88	19.80
315.0	38.81	34.88	31.67	28.18	25.54	23.29	21.49	19.29	17.94
360.0	37.13	33.47	29.70	27.11	24.53	22.44	20.31	18.79	17.49

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	15.75	14.29	13.39	12.26	11.08	10.29	9.45	8.72	8.16
45.0	15.24	13.84	12.83	11.70	10.97	10.01	9.17	8.55	8.10
90.0	15.19	13.89	12.94	11.76	10.91	10.18	9.23	8.61	8.16
135.0	16.76	15.19	13.78	12.94	11.81	10.86	10.13	9.39	8.44
180.0	16.93	15.30	13.89	12.99	11.81	10.80	10.13	9.17	8.44
225.0	17.55	15.98	14.46	13.39	12.32	11.25	10.46	9.62	8.78
270.0	18.39	16.99	15.08	14.23	12.88	11.64	10.97	10.07	9.06
315.0	16.48	14.51	13.67	12.60	11.31	10.58	9.73	8.83	8.33
360.0	15.75	14.29	13.39	12.26	11.08	10.29	9.45	8.72	8.16
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.76	7.43	7.14	6.92	6.81	6.64	6.53	6.41	6.41
45.0	7.71	7.43	7.20	6.98	6.81	6.69	6.58	6.53	6.41
90.0	7.71	7.43	7.14	6.98	6.86	6.75	6.69	6.64	6.58
135.0	7.99	7.71	7.37	7.09	6.92	6.75	6.64	6.58	6.47
180.0	7.99	7.59	7.31	7.03	6.86	6.69	6.53	6.47	6.41
225.0	8.16	7.88	7.54	7.20	6.98	6.81	6.64	6.58	6.53
270.0	8.61	8.16	7.76	7.54	7.31	7.09	6.92	6.86	6.75
315.0	7.88	7.48	7.26	7.03	6.86	6.75	6.64	6.58	6.47
360.0	7.76	7.43	7.14	6.92	6.81	6.64	6.53	6.41	6.41
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.41	6.41	6.30	6.19	5.96	5.91	5.85	5.79	5.68
45.0	6.47	6.47	6.36	6.30	6.08	5.91	5.91	5.85	5.68
90.0	6.53	6.64	6.58	6.47	6.30	6.24	6.13	6.08	6.02
135.0	6.41	6.36	6.41	6.41	6.24	6.08	5.96	5.91	5.85
180.0	6.36	6.30	6.36	6.24	6.19	5.96	5.91	5.79	5.74
225.0	6.41	6.36	6.41	6.36	6.30	6.02	5.91	5.85	5.79
270.0	6.69	6.69	6.69	6.58	6.53	6.30	6.19	6.19	6.13
315.0	6.47	6.47	6.41	6.30	6.08	5.96	5.96	5.91	5.79
360.0	6.41	6.41	6.30	6.19	5.96	5.91	5.85	5.79	5.68
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.51	5.46	5.34	5.23	5.18	5.12	5.06	5.01	4.95
45.0	5.57	5.46	5.34	5.34	5.23	5.12	5.06	5.01	5.01
90.0	5.96	5.85	5.79	5.85	5.85	5.91	5.96	5.96	6.08
135.0	5.74	5.57	5.51	5.34	5.29	5.18	5.12	5.12	5.06
180.0	5.63	5.51	5.40	5.29	5.18	5.12	5.06	4.95	4.95
225.0	5.68	5.57	5.46	5.34	5.29	5.23	5.18	5.06	5.06
270.0	6.02	5.85	5.79	5.74	5.74	5.68	5.74	5.74	5.74
315.0	5.57	5.51	5.40	5.34	5.23	5.18	5.12	5.06	5.01
360.0	5.51	5.46	5.34	5.23	5.18	5.12	5.06	5.01	4.95
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.89	4.89	4.89	4.78	4.78	4.73	4.61	4.56	4.50
45.0	4.95	4.89	4.84	4.78	4.73	4.67	4.61	4.56	4.56
90.0	6.30	6.92	7.82	8.38	8.27	4.73	4.61	4.61	4.56
135.0	5.01	4.89	4.89	4.84	4.84	4.73	4.67	4.61	4.56
180.0	4.89	4.84	4.78	4.73	4.73	4.67	4.61	4.61	4.56
225.0	5.01	4.95	4.89	4.89	4.84	4.84	4.73	4.67	4.61
270.0	5.68	5.68	6.13	6.69	7.54	7.82	4.78	4.73	4.67
315.0	5.01	4.95	4.95	4.95	4.84	4.78	4.67	4.61	4.50
360.0	4.89	4.89	4.89	4.78	4.78	4.73	4.61	4.56	4.50

Intensity data(cd)

<i>C/γ</i> (°)	90.0
0.0	4.50
45.0	4.56
90.0	4.56
135.0	4.56
180.0	4.50
225.0	4.56
270.0	4.56
315.0	4.56
360.0	4.50