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## Nata

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### Client:

LumCAT: 1-1061-N

Luminaire: 92.70.246.00

Report No: 200922-B033

Test No: 200922-C033

LampCAT: TRIDONIC SLE G7 9MM

Lamp flux(lm): 1269.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 231.0000

Current(A): 0.0900

Power (W): 11.2600

PF: 0.5390

Ballast type: AC

Width(mm): 0

Height(mm): 0

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## Photometric Results

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Lumens(lm): 1074.66, Efficiency(%): 84.69% , Luminous Efficacy(lm/W): 95.44

Central intensity(cd): 4327.344, Maximum intensity(cd): 4327.344

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

Beam Angle(50%Imax): [C0/180]Total=24.4

[C90/270]Total=24.4

Field angle(10%Imax): [C0/180]Total=52.4

[C90/270]Total=52.4

Maximum s/h(1/2): C0\_180=0.41 C90\_270=0.41

Maximum s/h(1/4): C0\_180=0.43 C90\_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.69%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.395%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4327.344	0.000	0	.000%	.000%
1.0	4302.634	4.129	4.129	.325%	.384%
2.0	4247.936	12.273	16.402	.967%	1.526%
3.0	4149.387	20.084	36.486	1.583%	3.395%
4.0	4036.801	27.402	63.887	2.159%	5.945%
5.0	3858.264	33.964	97.851	2.676%	9.105%
6.0	3659.484	39.508	137.359	3.113%	12.782%
7.0	3453.221	44.148	181.508	3.479%	16.890%
8.0	3210.531	47.691	229.199	3.758%	21.327%
9.0	2964.014	50.041	279.24	3.943%	25.984%
10.0	2702.995	51.284	330.524	4.041%	30.756%
11.0	2445.862	51.448	381.972	4.054%	35.543%
12.0	2197.604	50.760	432.732	4.000%	40.267%
13.0	1972.200	49.485	482.217	3.900%	44.871%
14.0	1743.316	47.558	529.775	3.748%	49.297%
15.0	1552.714	45.249	575.025	3.566%	53.507%
16.0	1387.634	43.084	618.109	3.395%	57.516%
17.0	1208.494	40.429	658.538	3.186%	61.278%
18.0	1094.591	37.973	696.51	2.992%	64.812%
19.0	974.986	36.006	732.517	2.837%	68.162%
20.0	884.639	34.036	766.553	2.682%	71.330%
21.0	806.084	32.465	799.018	2.558%	74.351%
22.0	716.955	30.606	829.625	2.412%	77.198%
23.0	642.518	28.525	858.15	2.248%	79.853%
24.0	574.439	26.607	884.757	2.097%	82.329%
25.0	507.728	24.606	909.363	1.939%	84.618%
26.0	445.397	22.499	931.862	1.773%	86.712%
27.0	385.855	20.337	952.198	1.603%	88.604%
28.0	327.944	18.072	970.27	1.424%	90.286%
29.0	273.229	15.728	985.999	1.239%	91.749%
30.0	225.468	13.465	999.463	1.061%	93.002%
31.0	190.347	11.572	1011.035	.912%	94.079%
32.0	152.818	9.831	1020.866	.775%	94.994%
33.0	108.682	7.704	1028.57	.607%	95.711%
34.0	74.750	5.551	1034.121	.437%	96.227%
35.0	56.943	4.090	1038.211	.322%	96.608%
36.0	47.714	3.332	1041.543	.263%	96.918%
37.0	40.330	2.872	1044.415	.226%	97.185%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	34.826	2.509	1046.924	.198%	97.419%
39.0	30.046	2.214	1049.138	.174%	97.625%
40.0	25.974	1.954	1051.092	.154%	97.807%
41.0	22.819	1.737	1052.829	.137%	97.968%
42.0	20.116	1.560	1054.389	.123%	98.113%
43.0	17.929	1.409	1055.798	.111%	98.244%
44.0	15.829	1.274	1057.072	.100%	98.363%
45.0	14.310	1.158	1058.231	.091%	98.471%
46.0	12.865	1.063	1059.294	.084%	98.570%
47.0	11.572	0.972	1060.265	.077%	98.660%
48.0	10.435	0.890	1061.155	.070%	98.743%
49.0	9.489	0.818	1061.973	.064%	98.819%
50.0	8.619	0.755	1062.728	.059%	98.889%
51.0	7.894	0.699	1063.427	.055%	98.954%
52.0	7.274	0.651	1064.078	.051%	99.015%
53.0	6.682	0.607	1064.685	.048%	99.071%
54.0	6.259	0.570	1065.255	.045%	99.124%
55.0	5.841	0.540	1065.795	.043%	99.175%
56.0	5.493	0.512	1066.308	.040%	99.222%
57.0	5.215	0.490	1066.797	.039%	99.268%
58.0	4.954	0.470	1067.267	.037%	99.312%
59.0	4.751	0.454	1067.721	.036%	99.354%
60.0	4.536	0.439	1068.16	.035%	99.395%
61.0	4.350	0.424	1068.584	.033%	99.434%
62.0	4.171	0.411	1068.994	.032%	99.472%
63.0	3.985	0.397	1069.391	.031%	99.509%
64.0	3.811	0.383	1069.774	.030%	99.545%
65.0	3.625	0.368	1070.142	.029%	99.579%
66.0	3.411	0.351	1070.493	.028%	99.612%
67.0	3.213	0.333	1070.826	.026%	99.643%
68.0	3.010	0.315	1071.141	.025%	99.672%
69.0	2.848	0.299	1071.44	.024%	99.700%
70.0	2.633	0.282	1071.721	.022%	99.726%
71.0	2.459	0.263	1071.985	.021%	99.751%
72.0	2.297	0.247	1072.232	.019%	99.774%
73.0	2.129	0.231	1072.463	.018%	99.795%
74.0	1.972	0.216	1072.679	.017%	99.815%
75.0	1.845	0.202	1072.881	.016%	99.834%

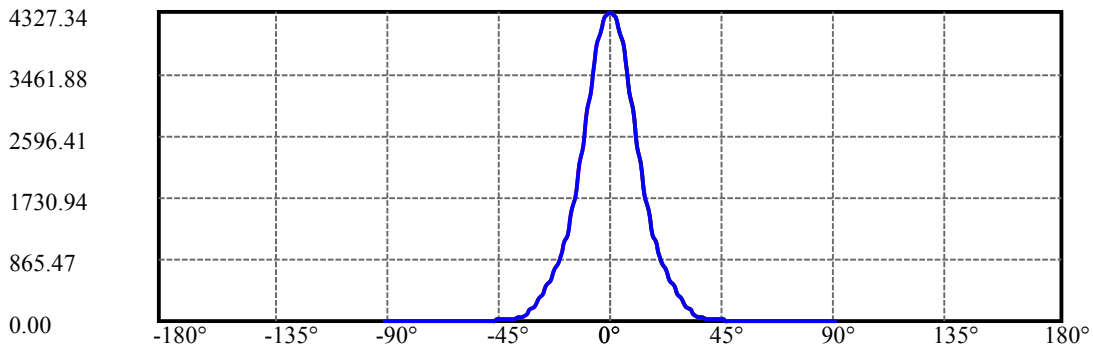
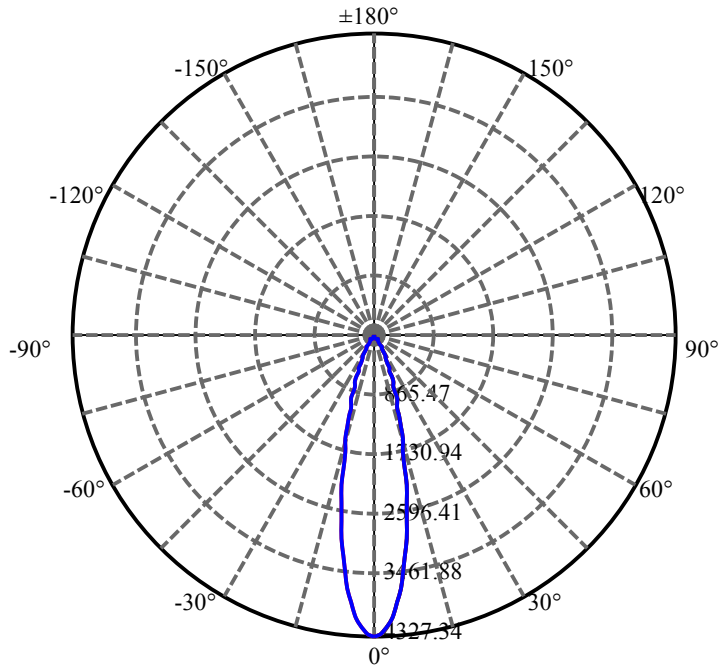
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.700	0.188	1073.069	.015%	99.852%
77.0	1.578	0.175	1073.243	.014%	99.868%
78.0	1.473	0.163	1073.407	.013%	99.883%
79.0	1.363	0.152	1073.559	.012%	99.897%
80.0	1.264	0.142	1073.701	.011%	99.910%
81.0	1.160	0.131	1073.832	.010%	99.923%
82.0	1.079	0.121	1073.953	.010%	99.934%
83.0	1.009	0.114	1074.067	.009%	99.944%
84.0	0.992	0.109	1074.176	.009%	99.955%
85.0	0.934	0.105	1074.281	.008%	99.964%
86.0	0.858	0.098	1074.379	.008%	99.973%
87.0	0.748	0.088	1074.467	.007%	99.982%
88.0	0.650	0.077	1074.543	.006%	99.989%
89.0	0.534	0.065	1074.608	.005%	99.995%
90.0	0.487	0.056	1074.664	.004%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	999.46	78.76%	93.00%
0-40	1051.09	82.83%	97.81%
0-60	1068.16	84.17%	99.39%
0-90	1074.61	84.68%	99.99%
0-120	1074.61	84.68%	99.99%
0-180	1074.66	84.69%	100.00%
60-90	6.89	0.54%	0.64%
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%
0-23.06	859.73	67.75%	80.00%

ZONAL LUMEN SUMMARY

0-10	330.52
10-20	436.03
20-30	232.91
30-40	51.63
40-50	11.64
50-60	5.43
60-70	3.56
70-80	1.98
80-90	0.91
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: —————

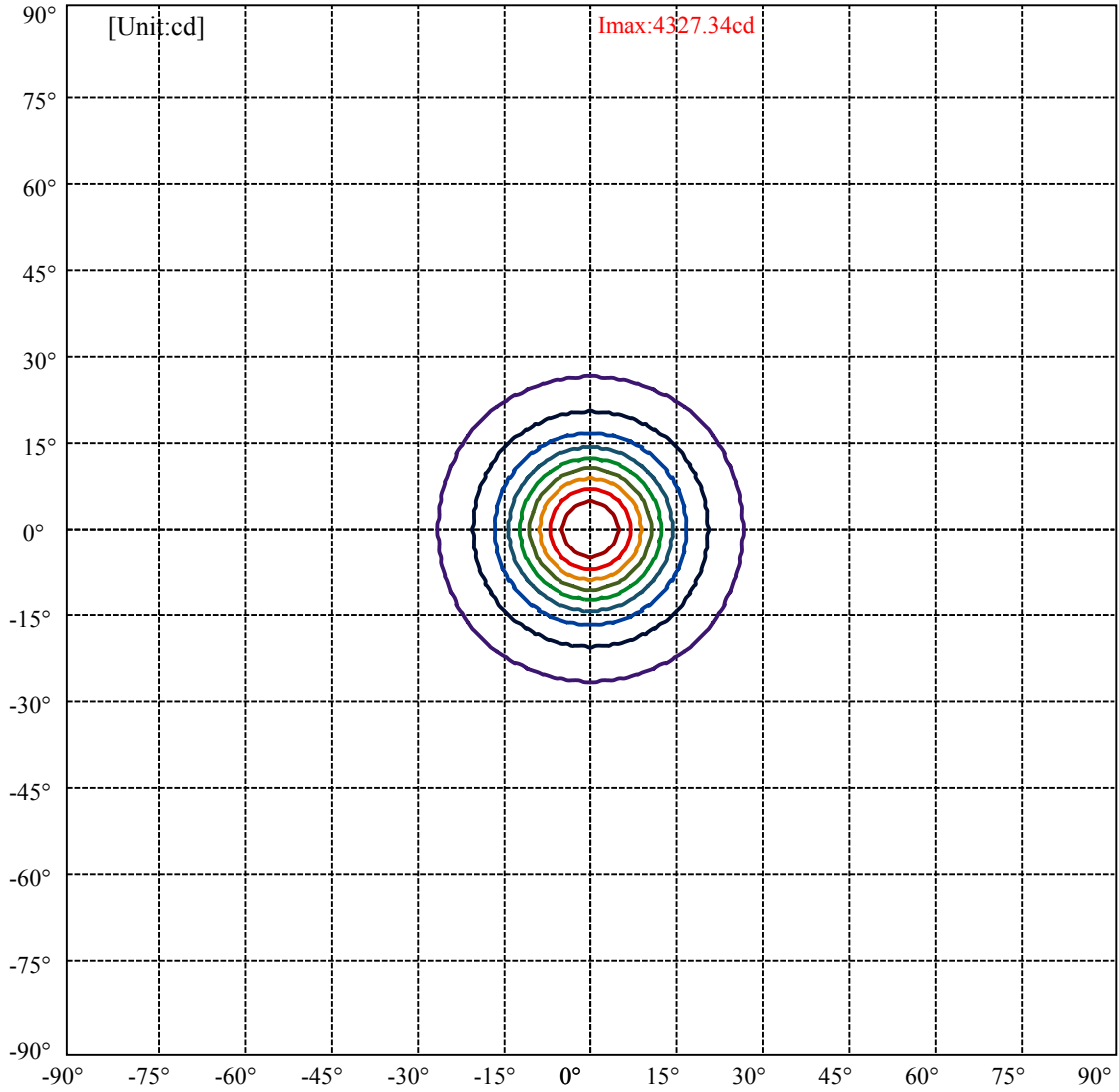
Field angle(10%Imax):C0/180Left:26.2 Right:26.2

:C90/270Left:26.2 Right:26.2

Beam Angle(50%Imax):C0/180Left:12.2 Right:12.2

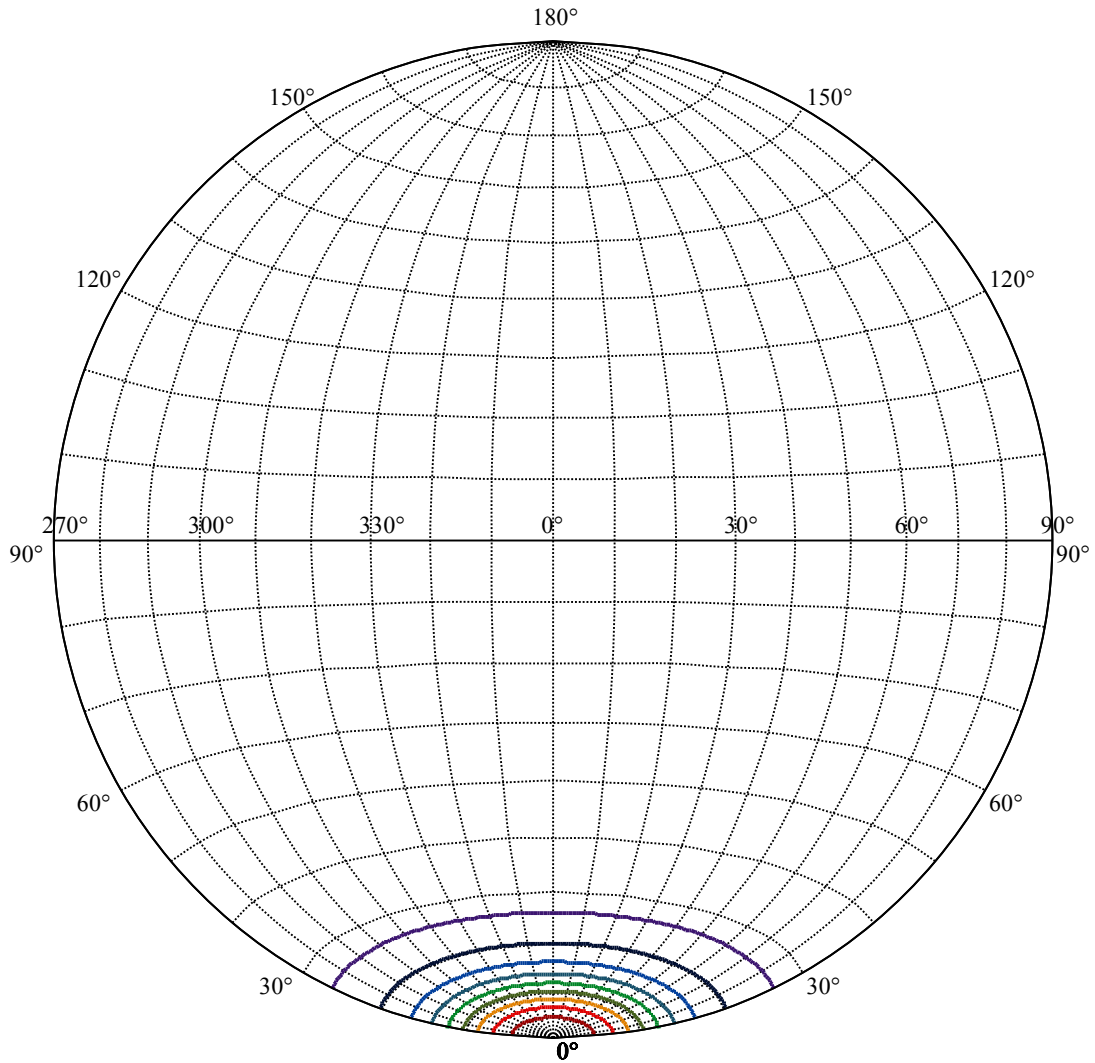
:C90/270Left:12.2 Right:12.2





(10%Imax) 432.734	—
(20%Imax) 865.469	—
(30%Imax) 1298.2	—
(40%Imax) 1730.94	—
(50%Imax) 2163.67	—
(60%Imax) 2596.41	—
(70%Imax) 3029.14	—
(80%Imax) 3461.88	—
(90%Imax) 3894.61	—





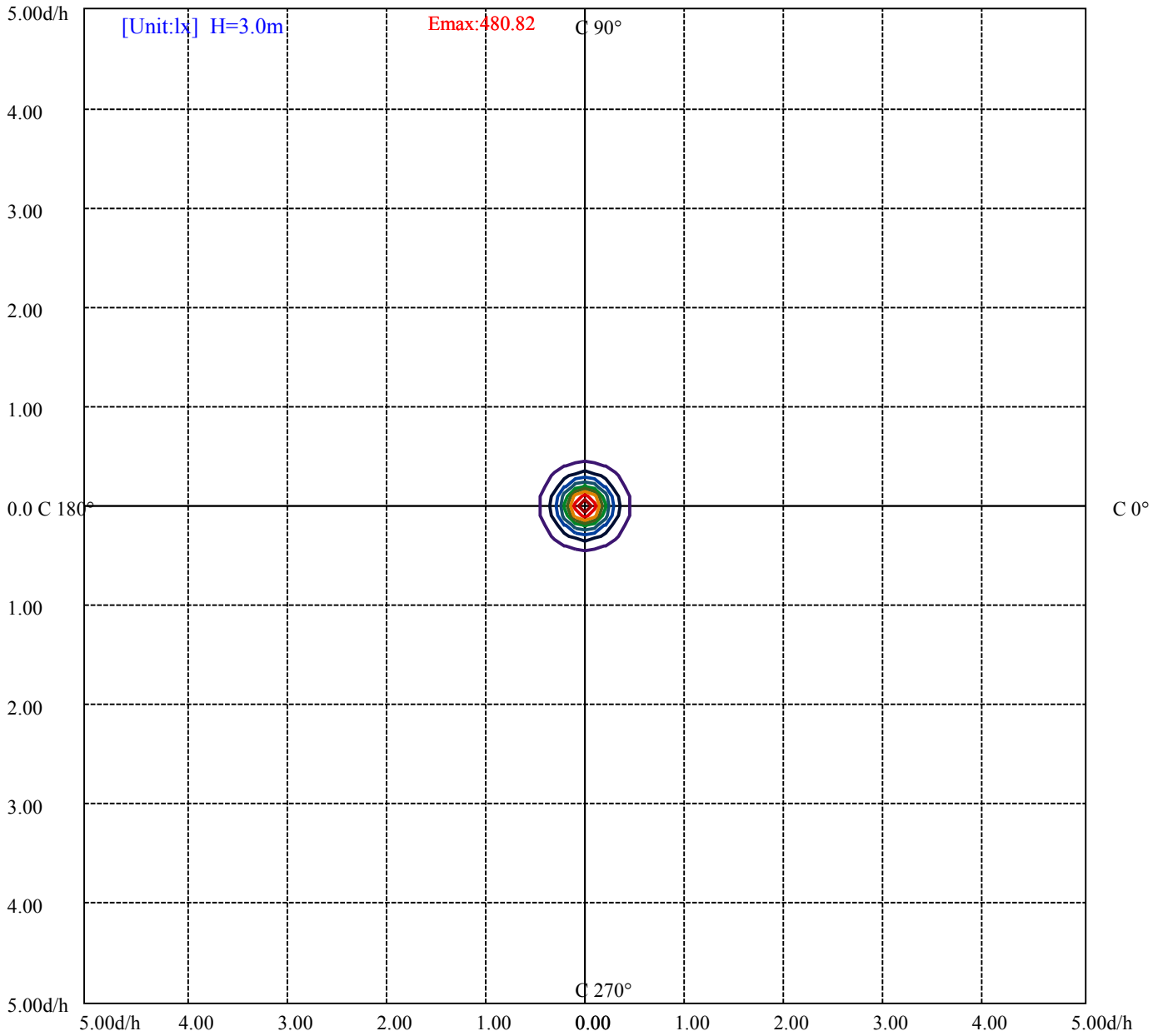
House

[Unit:cd]

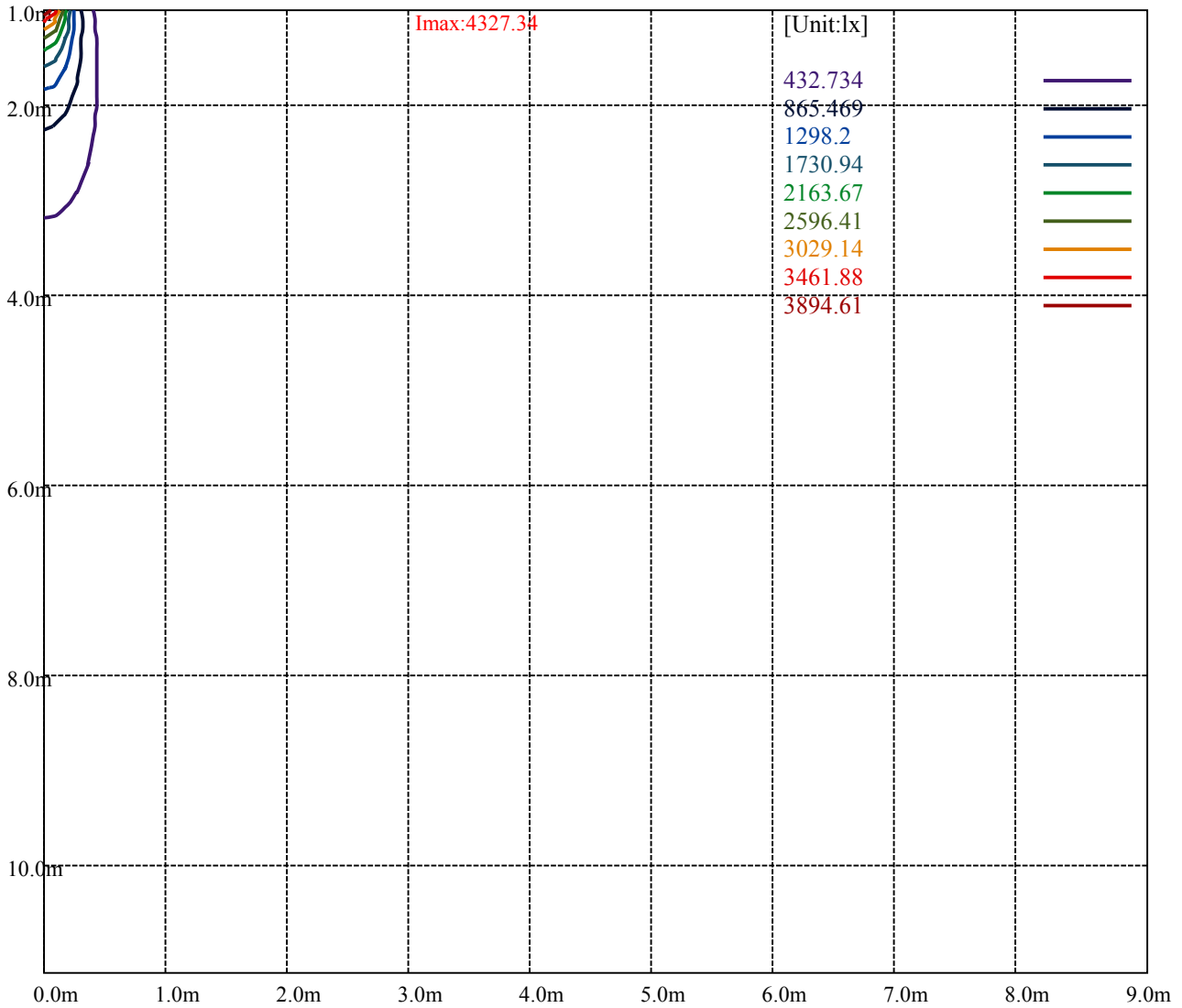
Road

Imax:4327.34

(10%Imax) 432.734	—
(20%Imax) 865.469	—
(30%Imax) 1298.2	—
(40%Imax) 1730.94	—
(50%Imax) 2163.67	—
(60%Imax) 2596.41	—
(70%Imax) 3029.14	—
(80%Imax) 3461.88	—
(90%Imax) 3894.61	—



- (10%Emax) 48.08156
- (20%Emax) 96.16312
- (30%Emax) 144.2444
- (40%Emax) 192.3267
- (50%Emax) 240.4078
- (60%Emax) 288.4889
- (70%Emax) 336.5711
- (80%Emax) 384.6522
- (90%Emax) 432.7345



Luminance Table

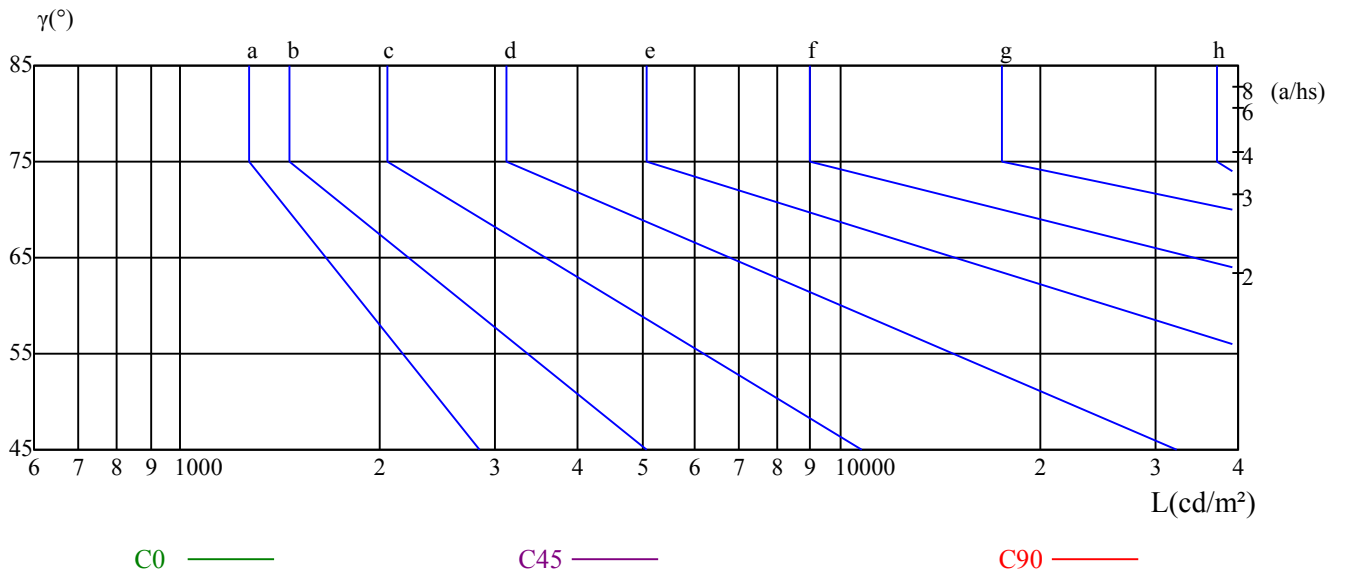
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

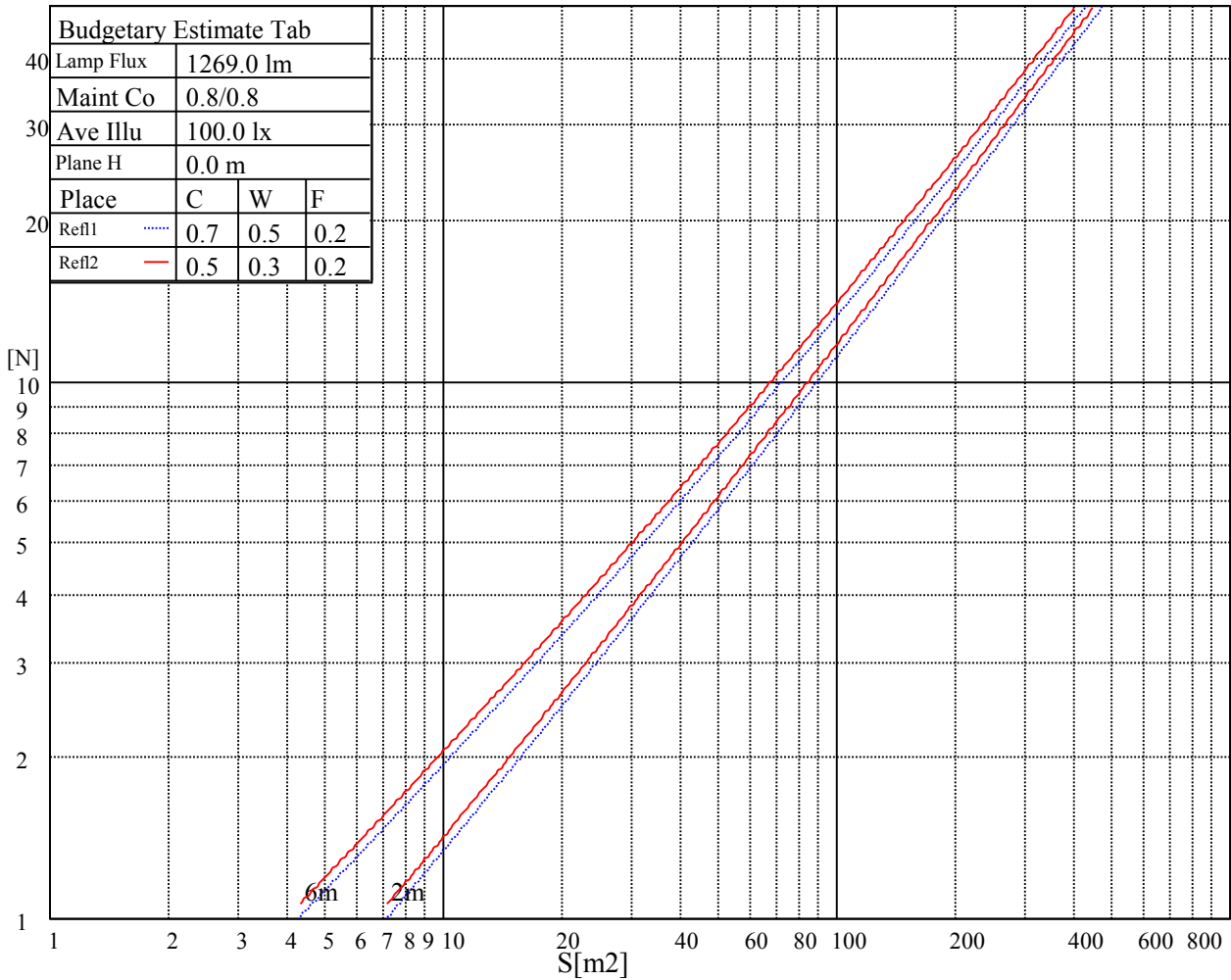
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

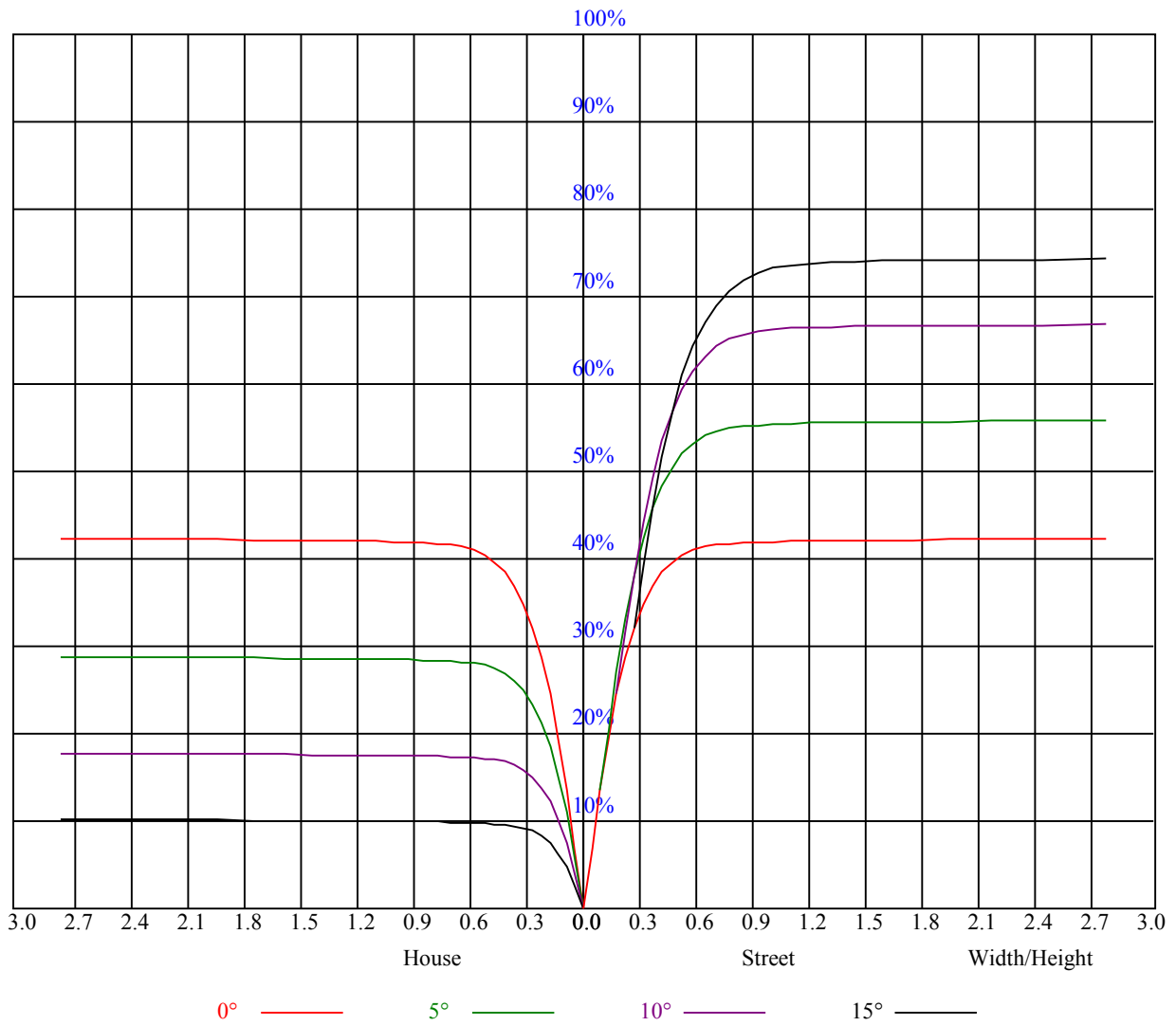


Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X	Y									
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数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

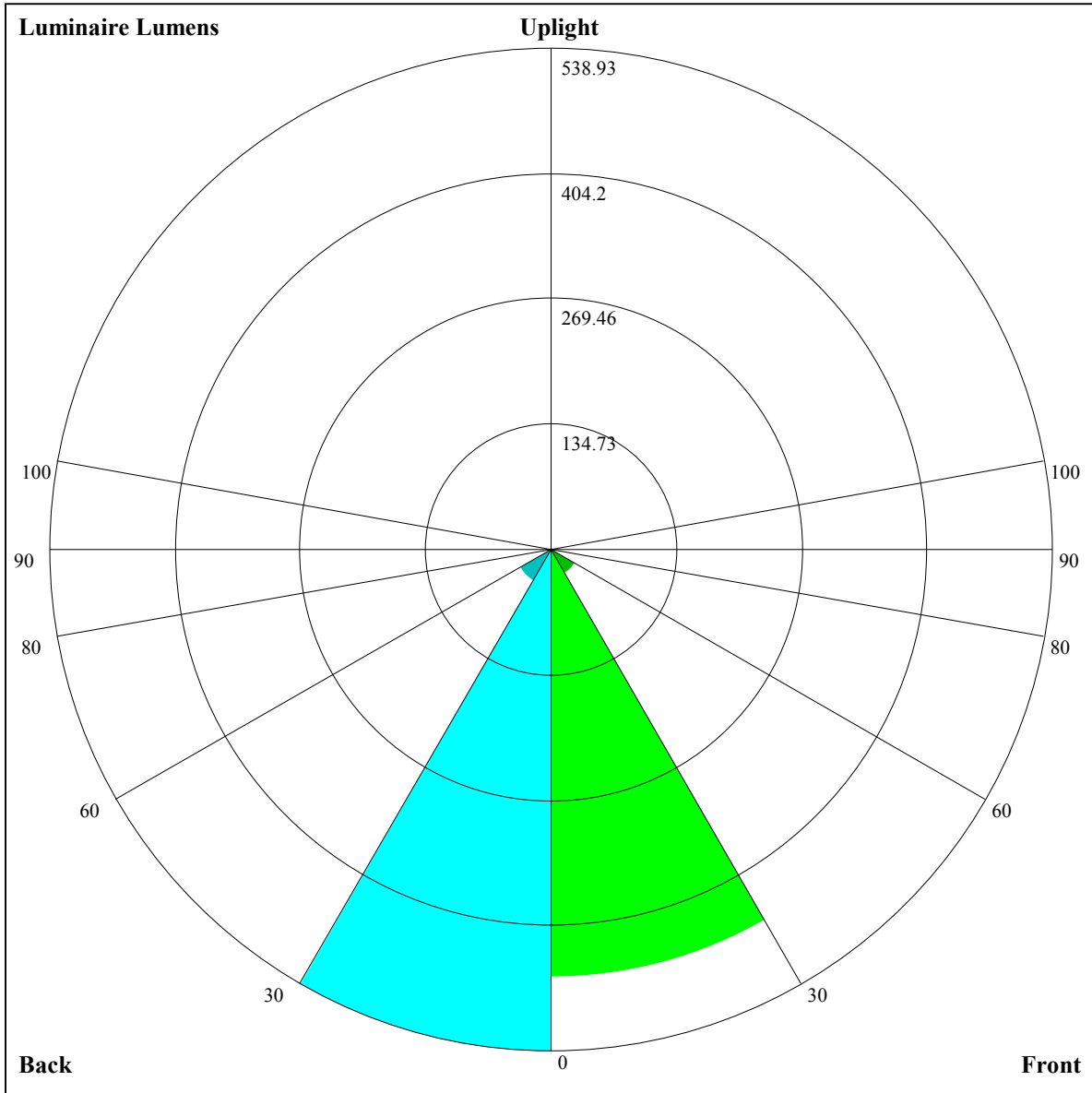
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.94	0.92	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.81
2	0.90	0.88	0.85	0.89	0.87	0.84	0.86	0.84	0.83	0.84	0.82	0.81	0.82	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.78	0.76	0.75
4	0.82	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
5	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.71	0.70
6	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
7	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
8	0.71	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.64	0.63
9	0.68	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.62	0.61
10	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59







Luminaire Lumens:

FL=459.19,FM=29.79,FH=2.63,FVH=0.43

BL=538.93,BM=39.92,BH=2.9,BVH=0.49

UL=0.53,UH=2.53

BUG Rating:B2-U1-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	4280.48	4170.50	4026.65	3834.54	3709.25	3383.04	3231.76	2973.29	2710.65
45.0	4367.25	4321.31	4244.28	4129.67	3979.32	3783.50	3569.11	3325.50	3076.31
90.0	4327.34	4272.59	4175.14	4042.89	3947.30	3763.08	3445.22	3298.12	3052.18
135.0	4334.30	4360.29	4359.36	4319.92	4236.86	4127.81	3977.46	3782.57	3578.86
180.0	4280.48	4359.83	4392.77	4374.21	4331.98	4244.28	4108.78	3937.09	3740.34
225.0	4367.25	4360.75	4309.25	4232.22	4105.07	3942.66	3742.66	3564.01	3277.24
270.0	4327.34	4349.15	4322.70	4254.49	4151.01	4005.77	3826.65	3622.48	3386.75
315.0	4334.30	4226.65	4153.33	4007.16	3833.61	3615.98	3374.22	3122.71	2861.93
360.0	4280.48	4170.50	4026.65	3834.54	3709.25	3383.04	3231.76	2973.29	2710.65
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2446.15	2192.79	1953.81	1730.15	1527.83	1352.43	1205.33	1028.53	891.22
45.0	2815.06	2553.81	2296.27	2054.97	1915.76	1624.35	1440.13	1347.32	1205.33
90.0	2795.57	2524.57	2269.36	2026.20	1801.61	1598.83	1422.96	1263.80	1129.69
135.0	3342.66	3078.17	2816.45	2546.85	2281.88	2031.77	1805.32	1592.79	1412.29
180.0	3511.57	3257.28	2990.00	2728.28	2465.18	2202.53	1959.85	1823.88	1541.29
225.0	3073.99	2811.35	2543.60	2288.38	2044.76	1817.85	1609.96	1430.85	1279.57
270.0	3132.46	2873.06	2614.13	2354.74	2100.45	1868.89	1693.95	1467.51	1303.24
315.0	2594.64	2332.93	2083.28	1851.26	1640.13	1449.87	1284.21	1146.39	905.33
360.0	2446.15	2192.79	1953.81	1730.15	1527.83	1352.43	1205.33	1028.53	891.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	849.92	757.53	674.43	628.90	539.11	475.96	438.09	375.50	317.86
45.0	1076.33	967.74	867.51	770.99	683.75	608.58	548.72	487.93	424.36
90.0	912.66	912.66	814.38	745.42	657.02	584.22	524.40	456.79	394.15
135.0	1253.12	1115.77	1044.31	893.03	834.56	743.15	658.70	582.59	520.88
180.0	1429.92	1272.15	1082.36	1013.22	909.74	813.22	726.44	644.77	576.10
225.0	1145.00	890.85	890.85	873.03	753.03	701.39	622.87	560.41	496.70
270.0	1184.45	1037.35	950.11	854.52	763.57	680.51	608.12	548.26	487.93
315.0	905.33	845.84	753.17	669.55	594.84	533.13	468.16	405.57	345.19
360.0	849.92	757.53	674.43	628.90	539.11	475.96	438.09	375.50	317.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	262.74	211.14	160.37	116.47	83.11	62.74	52.34	44.87	38.51
45.0	365.89	309.28	255.91	234.10	234.10	113.78	88.21	67.70	56.57
90.0	336.01	281.62	229.74	182.50	137.35	99.16	72.57	57.96	48.91
135.0	458.70	399.30	342.69	289.32	245.24	245.24	129.98	91.14	64.22
180.0	513.92	449.88	387.70	327.84	272.16	229.00	229.00	128.72	78.75
225.0	433.31	371.78	312.39	255.03	201.07	152.30	111.92	79.91	60.42
270.0	423.43	364.03	307.89	254.52	244.31	244.31	126.63	77.49	65.01
315.0	292.85	236.52	189.14	143.94	105.43	76.01	58.79	50.21	43.16
360.0	262.74	211.14	160.37	116.47	83.11	62.74	52.34	44.87	38.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	33.41	29.05	25.38	22.46	19.81	17.54	15.73	14.06	12.67
45.0	47.70	40.60	34.71	29.79	25.85	22.55	19.91	17.54	15.55
90.0	41.76	35.73	30.81	26.73	23.48	20.60	18.24	17.08	14.48
135.0	51.37	46.77	40.14	34.62	29.98	26.17	22.97	20.42	18.10
180.0	64.69	50.44	43.25	37.22	32.20	27.93	24.50	21.58	19.12
225.0	50.58	42.74	36.19	30.77	26.45	22.97	20.00	17.59	15.55
270.0	52.71	45.01	38.38	32.90	28.31	24.69	21.67	19.16	16.89
315.0	39.49	32.30	29.74	25.89	21.72	20.09	17.91	16.01	14.29
360.0	33.41	29.05	25.38	22.46	19.81	17.54	15.73	14.06	12.67

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	11.88	10.72	9.65	8.82	8.03	7.38	6.73	6.31	5.89
45.0	13.97	12.53	11.28	10.16	9.61	8.49	7.80	7.42	6.82
90.0	13.55	12.20	11.04	9.98	9.05	8.31	7.66	7.01	6.45
135.0	16.19	14.52	13.09	11.79	10.63	9.65	8.86	8.07	7.38
180.0	16.94	15.22	13.64	12.25	11.00	9.98	9.05	8.21	7.47
225.0	14.15	12.71	11.32	10.21	9.23	8.45	7.70	7.05	6.50
270.0	15.03	13.46	12.16	10.86	9.84	8.91	8.17	7.47	6.82
315.0	12.76	11.55	10.39	9.42	8.54	7.80	7.19	6.64	6.13
360.0	11.88	10.72	9.65	8.82	8.03	7.38	6.73	6.31	5.89
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	5.48	5.20	4.97	4.73	4.50	4.36	4.22	3.94	3.76
45.0	6.36	5.94	5.66	5.38	5.06	4.87	4.64	4.45	4.18
90.0	6.08	5.71	5.38	5.10	4.92	4.69	4.41	4.32	4.13
135.0	6.77	6.36	6.03	5.52	5.38	5.10	4.83	4.69	4.50
180.0	7.19	6.54	5.94	5.75	5.38	5.10	4.83	4.69	4.50
225.0	6.13	5.66	5.29	5.06	4.83	4.64	4.41	4.22	4.13
270.0	6.31	5.94	5.52	5.29	4.97	4.73	4.59	4.45	4.27
315.0	5.75	5.38	5.15	4.87	4.59	4.50	4.36	4.04	3.90
360.0	5.48	5.20	4.97	4.73	4.50	4.36	4.22	3.94	3.76
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.62	3.43	3.16	3.02	2.74	2.64	2.46	2.23	2.09
45.0	3.99	3.85	3.62	3.29	3.16	2.92	2.74	2.55	2.32
90.0	3.90	3.81	3.57	3.34	3.16	2.92	2.74	2.55	2.37
135.0	4.32	4.13	3.99	3.85	3.62	3.34	3.20	3.02	2.78
180.0	4.32	4.18	4.04	3.85	3.67	3.48	3.34	3.11	2.88
225.0	3.90	3.67	3.57	3.29	3.20	2.92	2.83	2.60	2.51
270.0	4.04	3.85	3.71	3.48	3.25	3.06	2.88	2.69	2.55
315.0	3.81	3.57	3.34	3.16	2.92	2.78	2.60	2.32	2.18
360.0	3.62	3.43	3.16	3.02	2.74	2.64	2.46	2.23	2.09
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.04	1.86	1.72	1.62	1.53	1.44	1.35	1.30	1.35
45.0	2.18	2.04	1.86	1.76	1.62	1.48	1.35	1.25	1.11
90.0	2.18	2.00	1.81	1.72	1.58	1.39	1.30	1.21	1.07
135.0	2.55	2.37	2.23	2.09	1.86	1.72	1.67	1.48	1.39
180.0	2.74	2.60	2.41	2.27	2.13	2.04	1.90	1.90	1.67
225.0	2.32	2.13	2.00	1.81	1.72	1.62	1.44	1.30	1.25
270.0	2.27	2.13	2.04	1.90	1.67	1.58	1.48	1.35	1.25
315.0	2.09	1.90	1.72	1.58	1.48	1.35	1.30	1.11	1.02
360.0	2.04	1.86	1.72	1.62	1.53	1.44	1.35	1.30	1.35
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.30	1.39	1.58	2.09	2.27	2.23	1.39	0.74	0.70
45.0	0.97	0.88	0.74	0.70	0.56	0.46	0.42	0.32	0.28
90.0	0.97	0.88	0.74	0.60	0.60	0.46	0.42	0.32	0.28
135.0	1.25	1.16	1.07	0.97	0.84	0.70	0.60	0.56	0.37
180.0	1.62	1.58	1.44	1.48	1.35	1.39	1.86	2.18	1.81
225.0	1.11	0.97	0.88	0.74	0.65	0.60	0.51	0.42	0.28
270.0	1.16	1.02	0.93	0.74	0.65	0.60	0.46	0.37	0.32
315.0	0.88	0.74	0.70	0.60	0.56	0.42	0.32	0.28	0.23
360.0	1.30	1.39	1.58	2.09	2.27	2.23	1.39	0.74	0.70

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>0.74</b>
<b>45.0</b>	<b>0.19</b>
<b>90.0</b>	<b>0.28</b>
<b>135.0</b>	<b>0.37</b>
<b>180.0</b>	<b>1.62</b>
<b>225.0</b>	<b>0.28</b>
<b>270.0</b>	<b>0.23</b>
<b>315.0</b>	<b>0.19</b>
<b>360.0</b>	<b>0.74</b>