
LumCAT: 4-2204-L

Luminaire: TRIDONIC 支架

Report No: NATA0100

Test No: GC2019120308

LampCAT: TRIDONIC SLE G7 17MM

Lamp flux(lm): 1935.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 34.0100

Current(A): 0.4970

Power (W): 16.9000

PF: 1.0000

Ballast type: DC

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1880.71

Efficiency(%): 97.19%

Lumens(lm)/Power(W): 111.28

Central intensity(cd): 3588.750

Maximum intensity(cd): 3588.750

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=39.7

[C90/270]Total=39.7

Field angle(10%Imax): [C0/180]Total=70.6

[C90/270]Total=70.6

Maximum s/h(1/2): C0_180=0.65 C90_270=0.65

Maximum s/h(1/4): C0_180=0.65 C90_270=0.65

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 97.19%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.304%

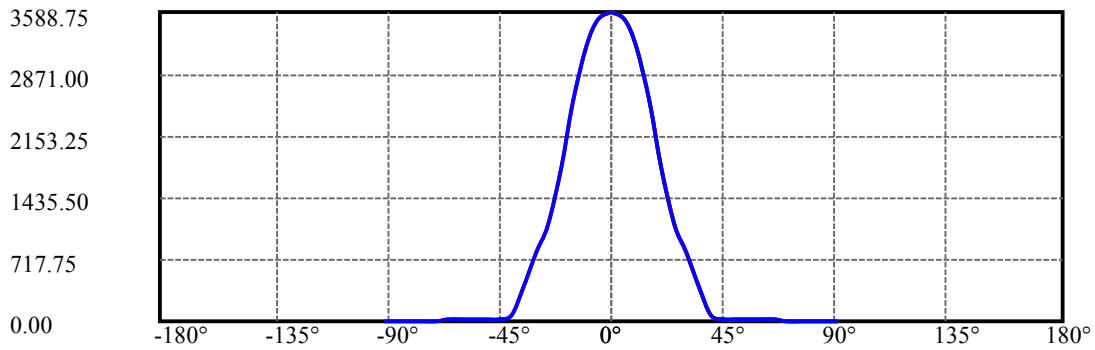
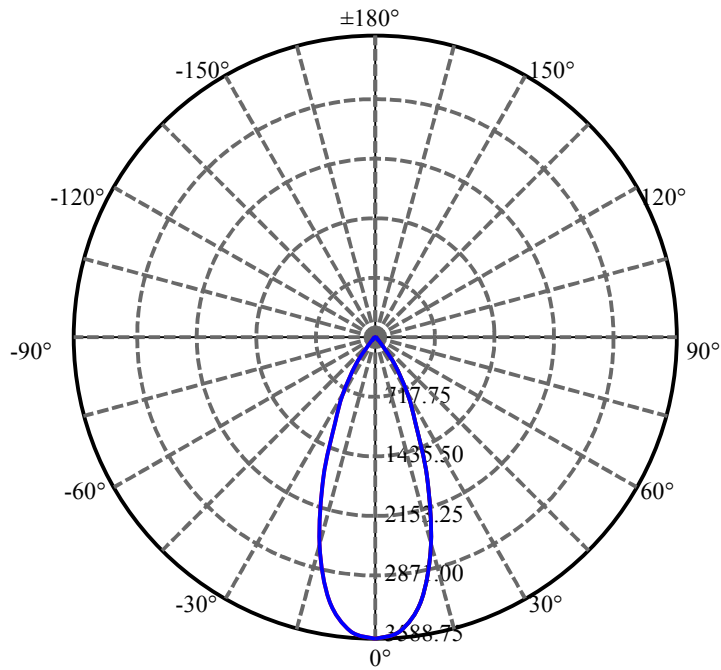
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3588.750	0.000	0	.000%	.000%
5.0	3507.328	84.832	84.832	4.384%	4.511%
10.0	3188.672	239.537	324.369	12.379%	17.247%
15.0	2546.367	340.199	664.567	17.581%	35.336%
20.0	1774.336	356.087	1020.654	18.402%	54.270%
25.0	1122.848	303.861	1324.515	15.703%	70.426%
30.0	791.585	242.273	1566.788	12.521%	83.308%
35.0	379.673	172.476	1739.264	8.913%	92.479%
40.0	55.856	72.665	1811.929	3.755%	96.343%
45.0	25.270	15.021	1826.95	.776%	97.142%
50.0	17.634	8.670	1835.62	.448%	97.603%
55.0	14.323	6.949	1842.568	.359%	97.972%
60.0	12.663	6.238	1848.806	.322%	98.304%
65.0	11.482	5.870	1854.676	.303%	98.616%
70.0	10.498	5.565	1860.241	.288%	98.912%
75.0	9.738	5.289	1865.531	.273%	99.193%
80.0	9.436	5.130	1870.661	.265%	99.466%
85.0	9.197	5.063	1875.724	.262%	99.735%
90.0	9.000	4.982	1880.707	.257%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1566.79	80.97%	83.31%
0-40	1811.93	93.64%	96.34%
0-60	1848.81	95.55%	98.30%
0-90	1875.72	96.94%	99.74%
0-120	1875.72	96.94%	99.74%
0-180	1880.71	97.19%	100.00%
60-90	33.16	1.71%	1.76%
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%
0-28.72	1504.57	77.76%	80.00%

ZONAL LUMEN SUMMARY

0-10	324.37
10-20	696.29
20-30	546.13
30-40	245.14
40-50	23.69
50-60	13.19
60-70	11.44
70-80	10.42
80-90	5.06
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: —————

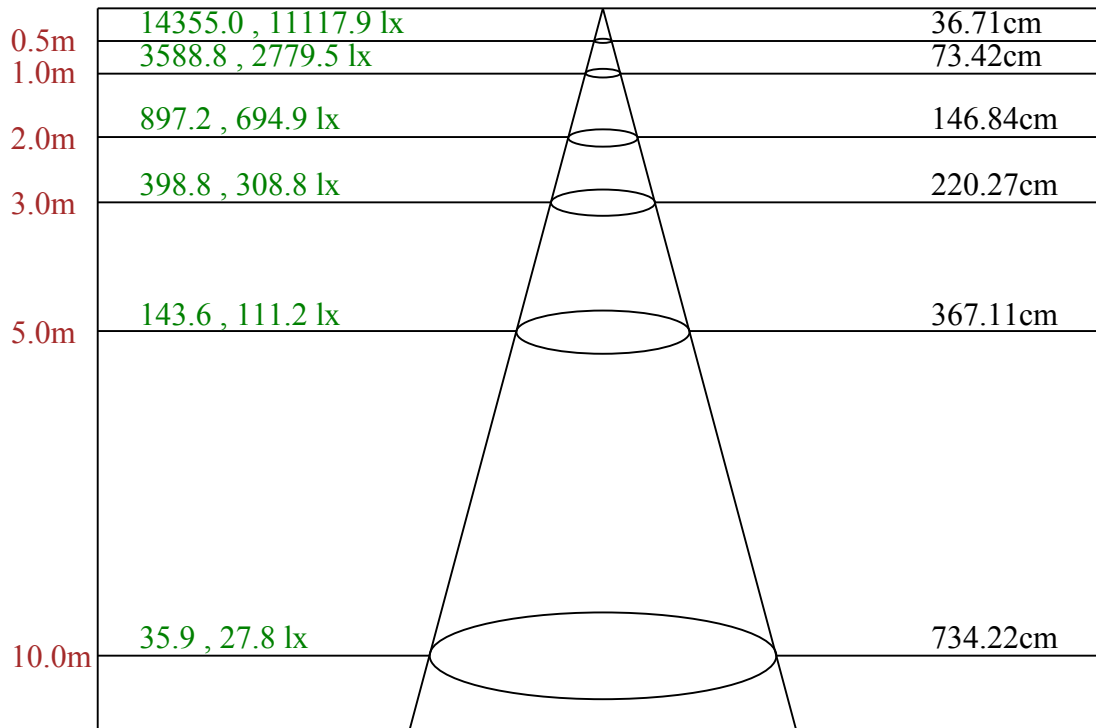
C90/C270: —————

Field angle(10%Imax):C0/180Left:35.3 Right:35.3

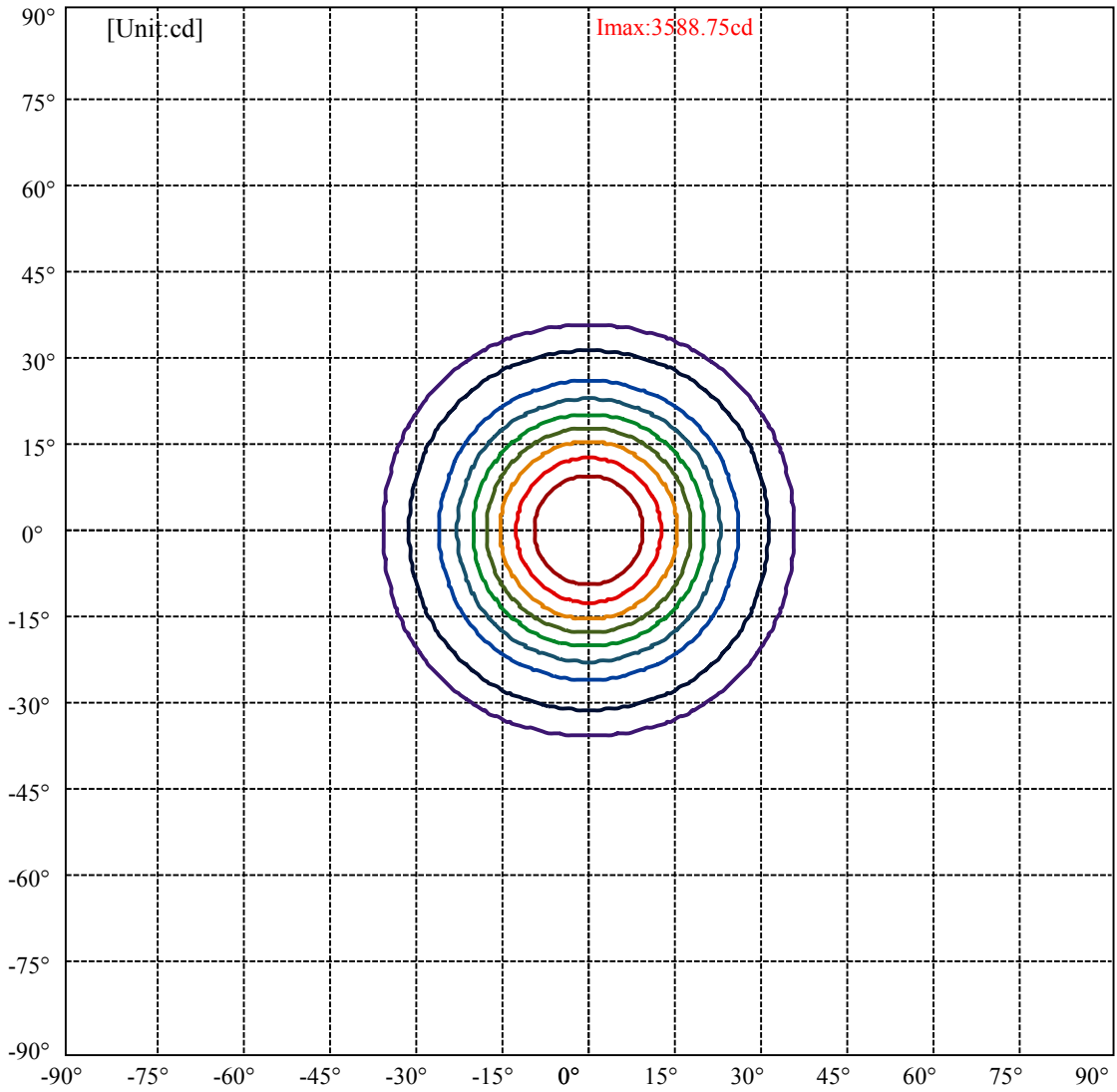
:C90/270Left:35.3 Right:35.3

Beam Angle(50%Imax):C0/180Left:19.9 Right:19.9

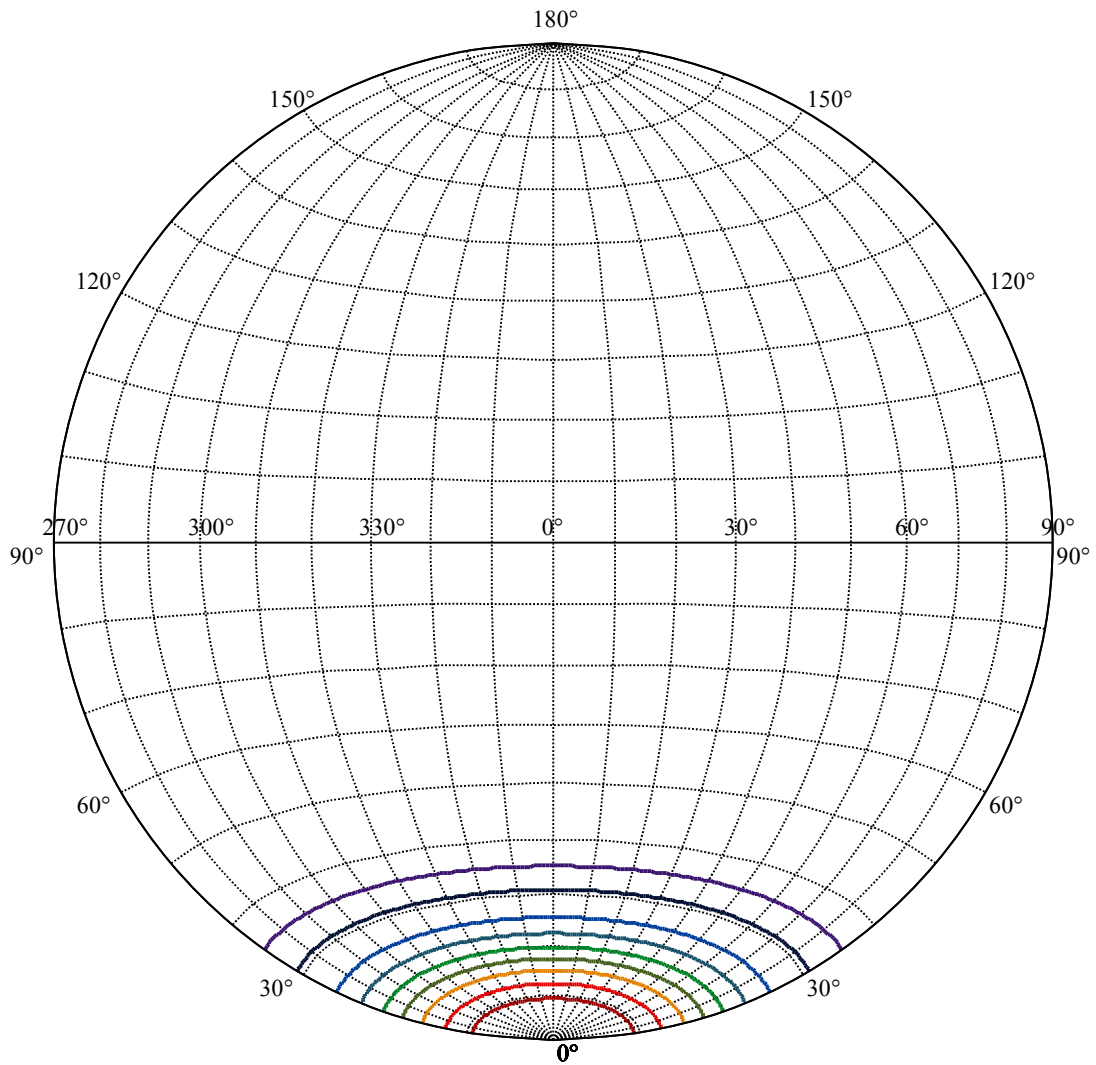
:C90/270Left:19.9 Right:19.9



Max , Ave Beam angle of C0 plane 40.32



(10%Imax) 358.875	—
(20%Imax) 717.75	—
(30%Imax) 1076.63	—
(40%Imax) 1435.5	—
(50%Imax) 1794.38	—
(60%Imax) 2153.25	—
(70%Imax) 2512.13	—
(80%Imax) 2871	—
(90%Imax) 3229.88	—



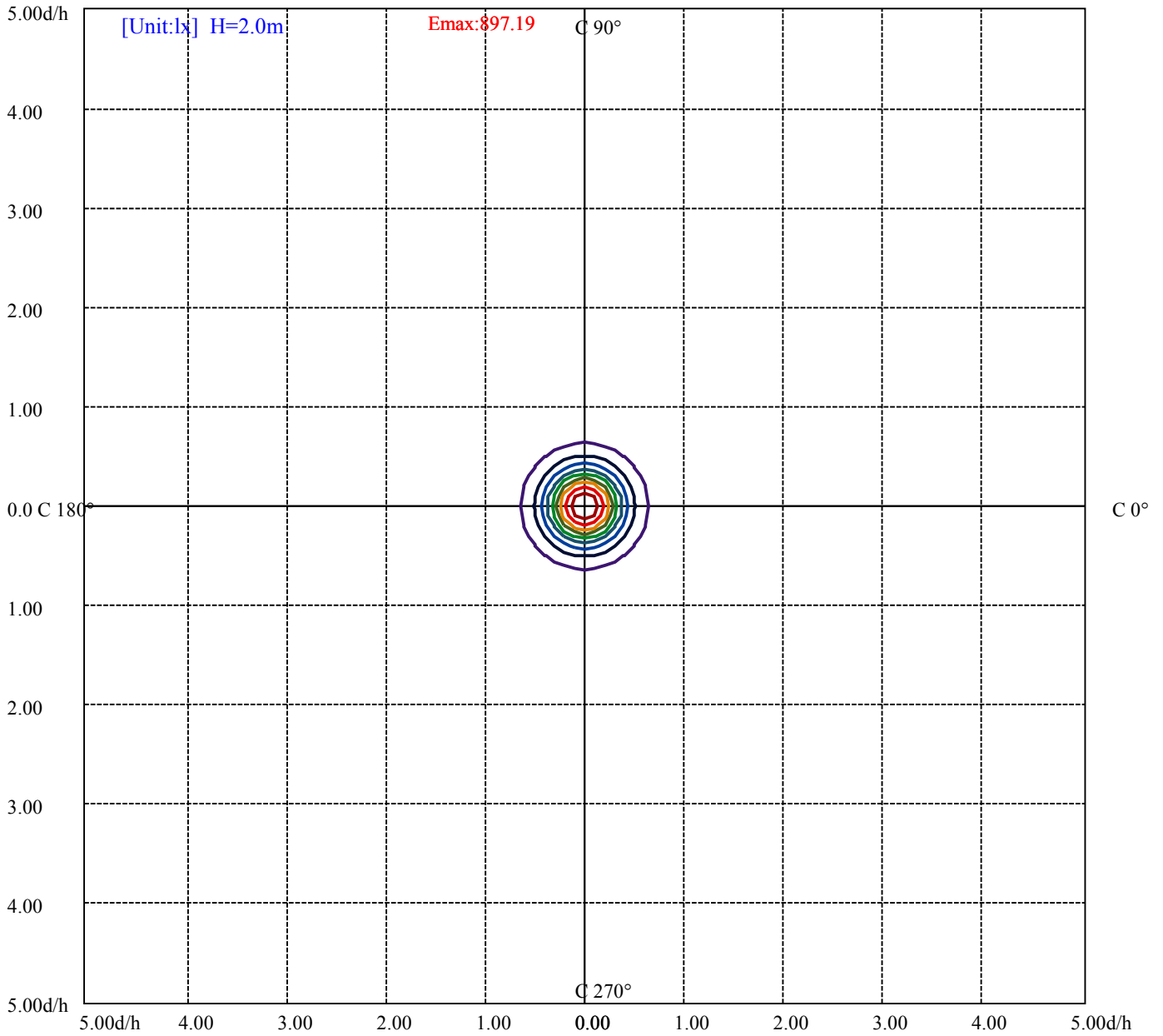
House

[Unit:cd]

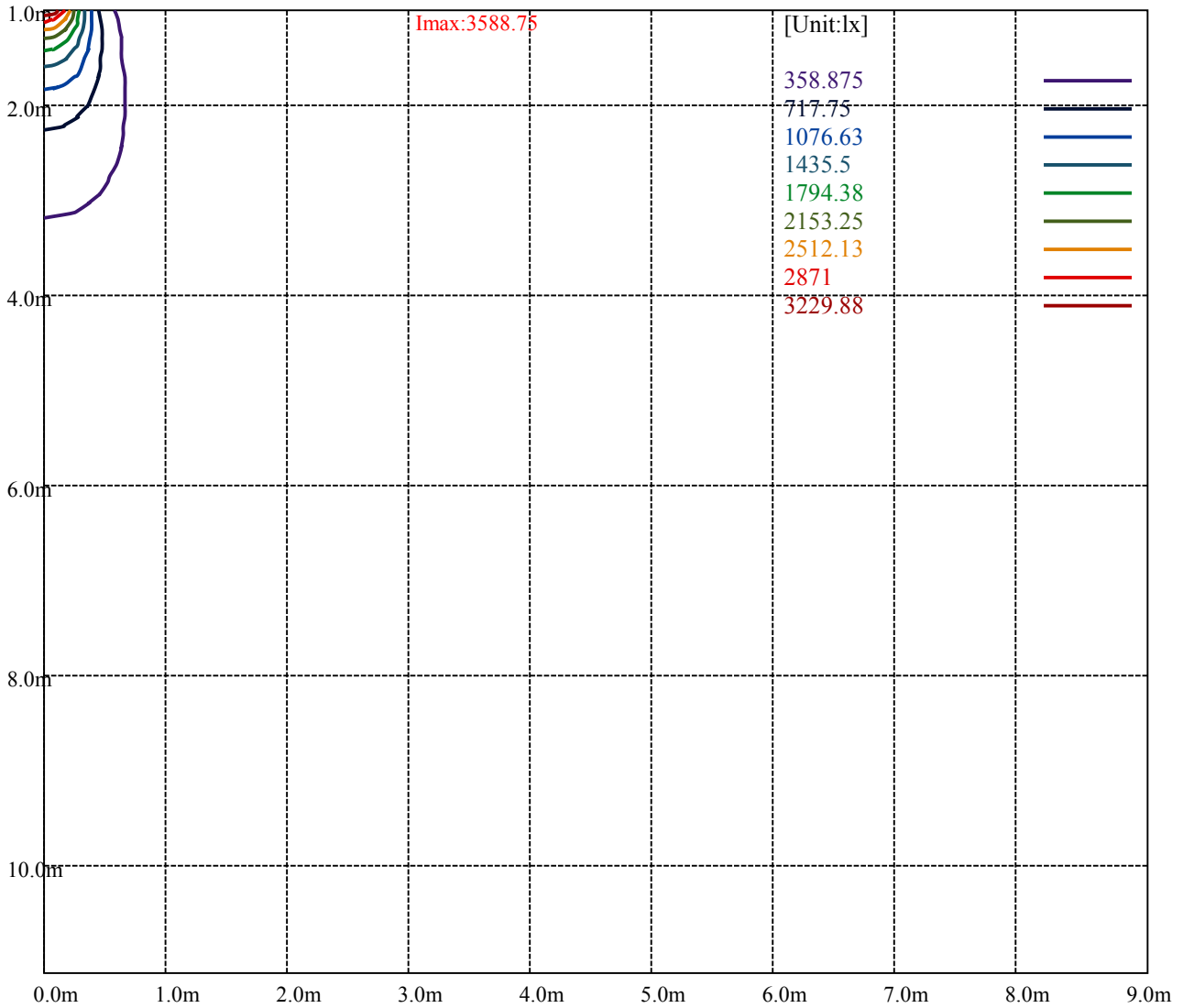
Road

Imax:3588.75

(10%Imax)	358.875	—
(20%Imax)	717.75	—
(30%Imax)	1076.63	—
(40%Imax)	1435.5	—
(50%Imax)	1794.38	—
(60%Imax)	2153.25	—
(70%Imax)	2512.13	—
(80%Imax)	2871	—
(90%Imax)	3229.88	—



- (10%Emax) 89.71875
- (20%Emax) 179.4375
- (30%Emax) 269.155
- (40%Emax) 358.875
- (50%Emax) 448.5925
- (60%Emax) 538.3125
- (70%Emax) 628.03
- (80%Emax) 717.75
- (90%Emax) 807.4675



Luminance Table

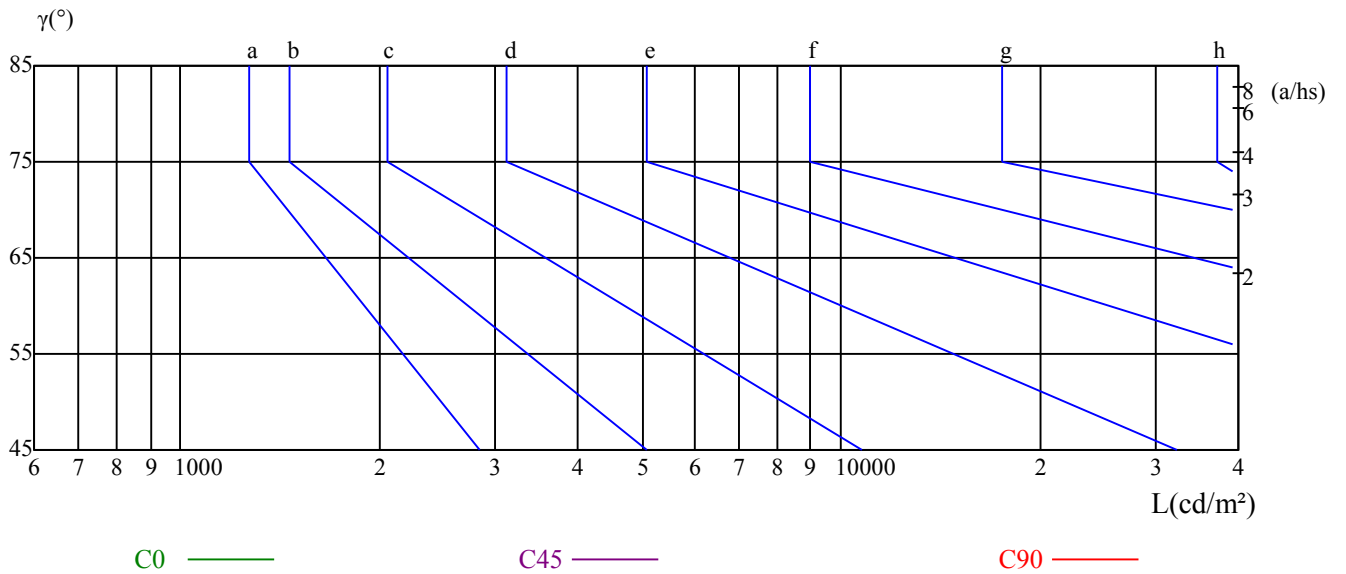
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

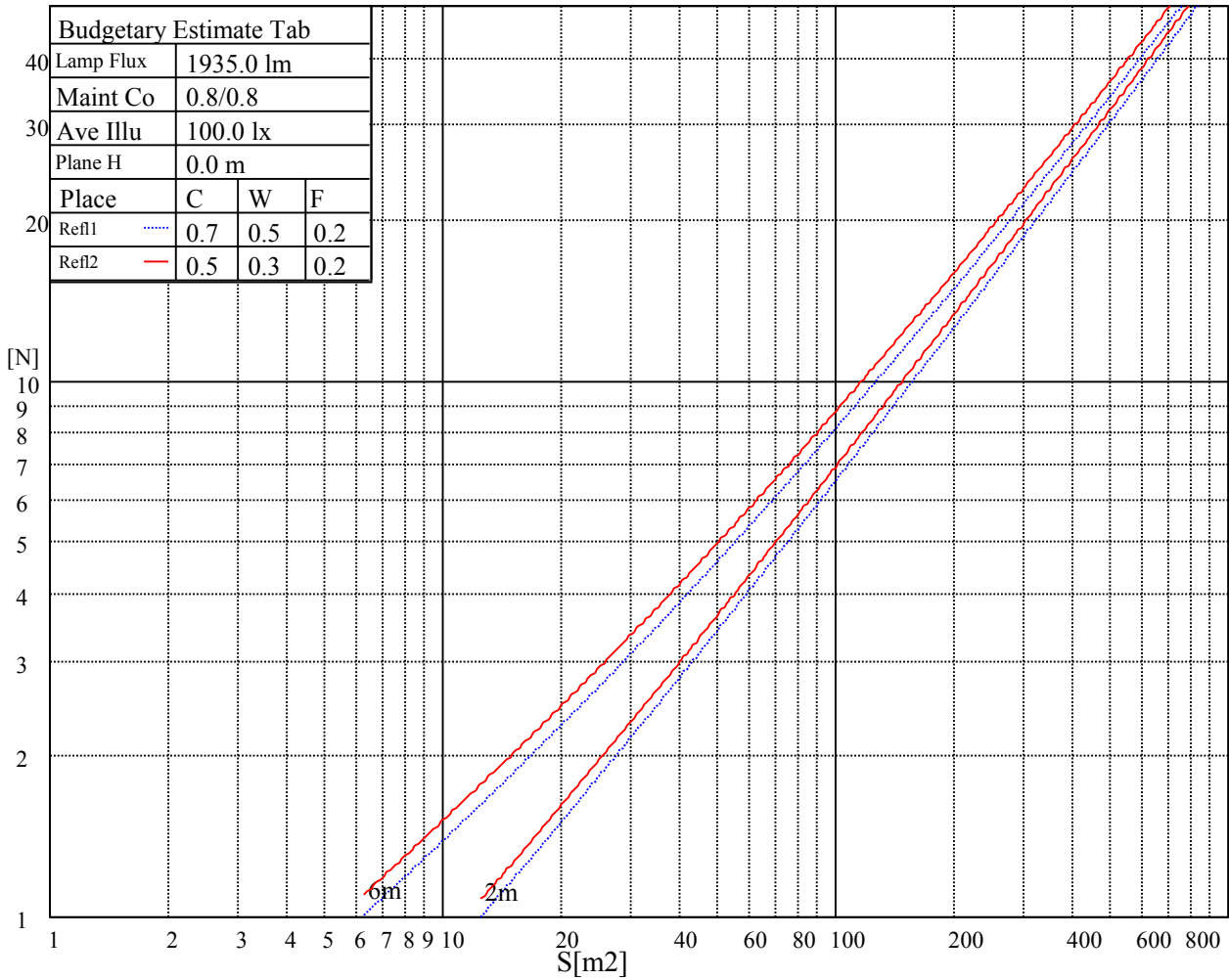
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

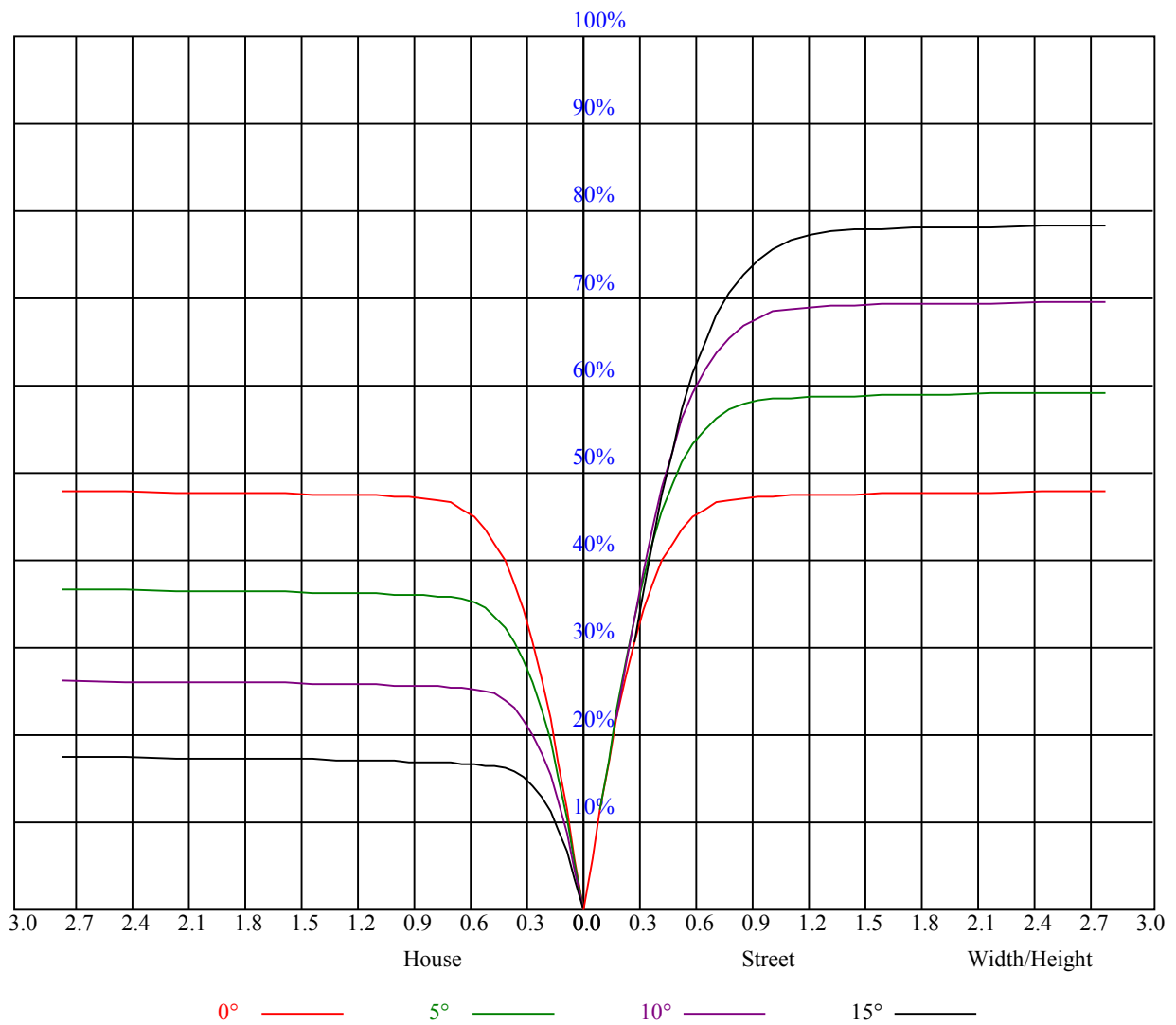
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve





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	1.16	1.16	1.16	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.06	1.04	1.06	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.91
2	1.01	0.98	0.95	1.00	0.96	0.94	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.86
3	0.96	0.91	0.88	0.94	0.90	0.87	0.92	0.88	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.82	0.89	0.85	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.77
5	0.86	0.81	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.73
6	0.81	0.76	0.72	0.81	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.70
7	0.77	0.72	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.66
8	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
9	0.71	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.68	0.64	0.61	0.60
10	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.58



Intensity data(cd)

C/ γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	3591.00	3526.31	3224.25	2545.31	1711.13	1009.69	725.06	416.25	45.34
45.0	3595.50	3441.94	3066.75	2584.69	1943.44	1292.06	883.69	520.31	87.08
90.0	3573.00	3366.00	2985.19	2499.75	1964.81	1383.19	919.13	383.68	97.03
135.0	3595.50	3441.94	3157.31	2700.56	2046.94	1250.44	797.63	402.75	46.01
180.0	3591.00	3481.31	3150.00	2383.88	1477.69	884.70	676.52	315.84	27.90
225.0	3595.50	3551.06	3148.31	2284.88	1538.44	1011.66	753.75	337.39	43.76
270.0	3573.00	3639.94	3432.38	2801.81	1950.19	1244.81	878.06	401.63	73.41
315.0	3595.50	3610.13	3345.19	2570.06	1562.06	906.24	698.85	259.54	26.33
360.0	3591.00	3526.31	3224.25	2545.31	1711.13	1009.69	725.06	416.25	45.34
C/ γ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	16.65	13.22	11.93	11.48	10.91	10.29	9.73	9.45	9.23
45.0	28.29	19.01	14.79	12.99	11.76	10.74	9.73	9.45	9.23
90.0	46.29	28.24	19.74	15.19	12.60	10.91	9.96	9.51	9.28
135.0	20.19	15.69	13.89	12.83	11.81	10.74	9.84	9.51	9.23
180.0	15.36	13.28	12.49	11.93	11.14	10.35	9.68	9.39	9.17
225.0	22.16	16.31	13.73	12.38	11.31	10.35	9.62	9.28	9.11
270.0	37.24	21.83	15.64	12.99	11.59	10.52	9.73	9.51	9.17
315.0	15.98	13.50	12.38	11.53	10.74	10.07	9.62	9.39	9.17
360.0	16.65	13.22	11.93	11.48	10.91	10.29	9.73	9.45	9.23
C/ γ (°)	90.0								
0.0	9.00								
45.0	9.00								
90.0	9.00								
135.0	9.06								
180.0	9.00								
225.0	9.00								
270.0	8.94								
315.0	9.00								
360.0	9.00								