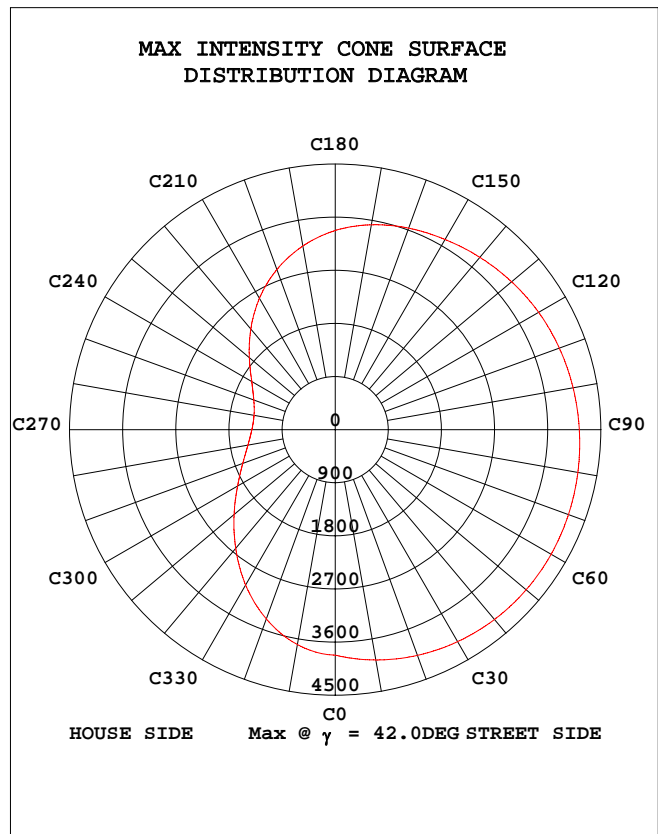
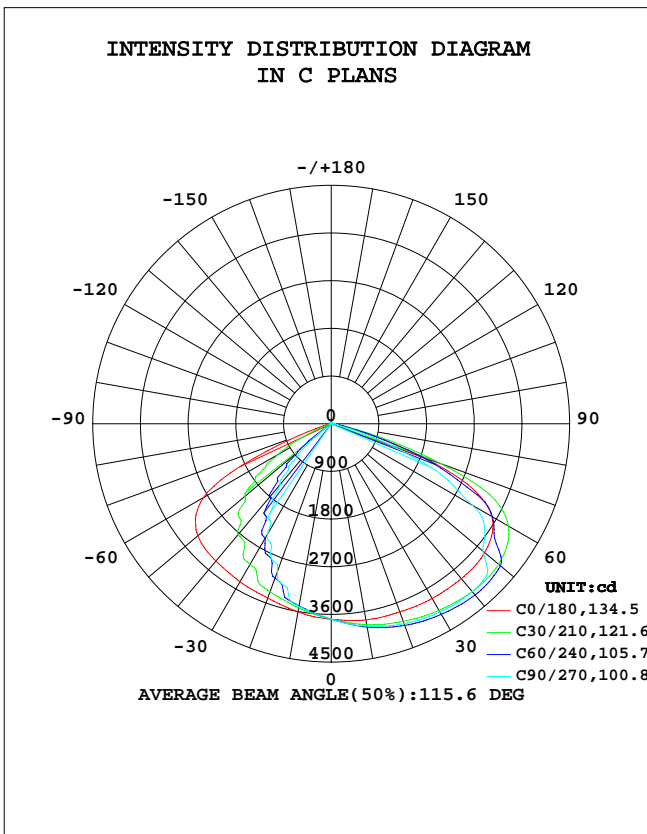


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.76 lm/W			
MODEL	TS-SL0710-100W-H5-1	I <sub>max</sub> (cd)	4223	η street_up(%)	0.7
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	65.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	11896	η house_up(%)	0.7
NOMINAL FLUX(lm)	11895.7	MAXIMUM @(C,γ )	60,42.0	η house_down(%)	33.6
LAMPS INSIDE	1	η up(%)	1.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.6	SLI	18.698

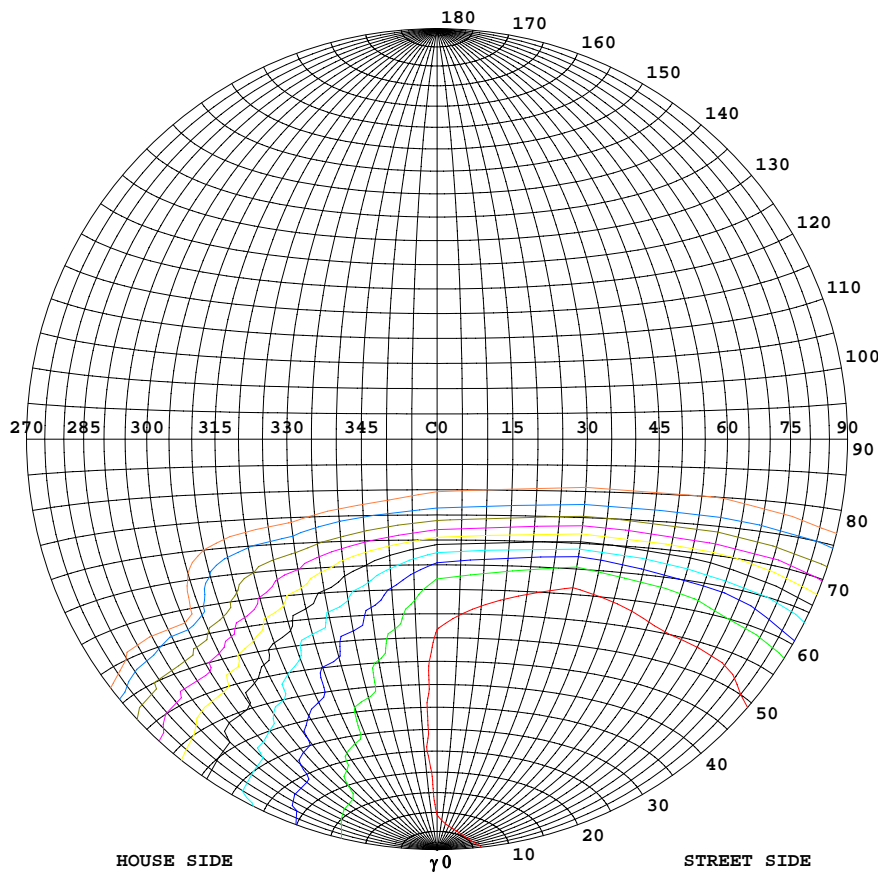


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:02 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:



**Classification:**

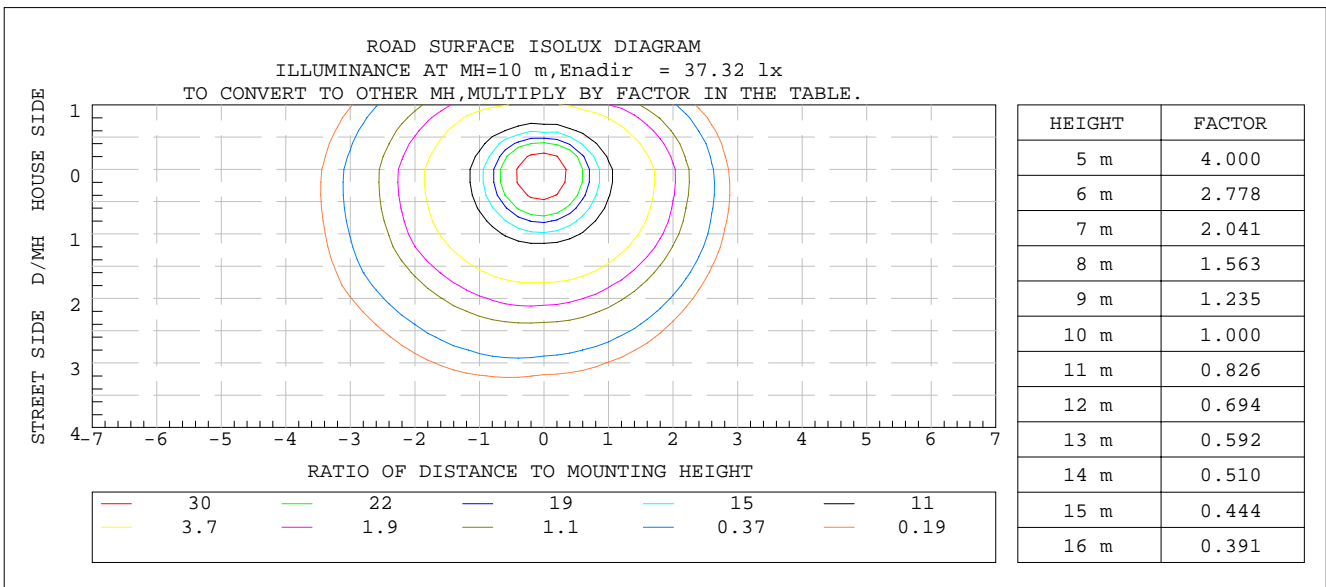
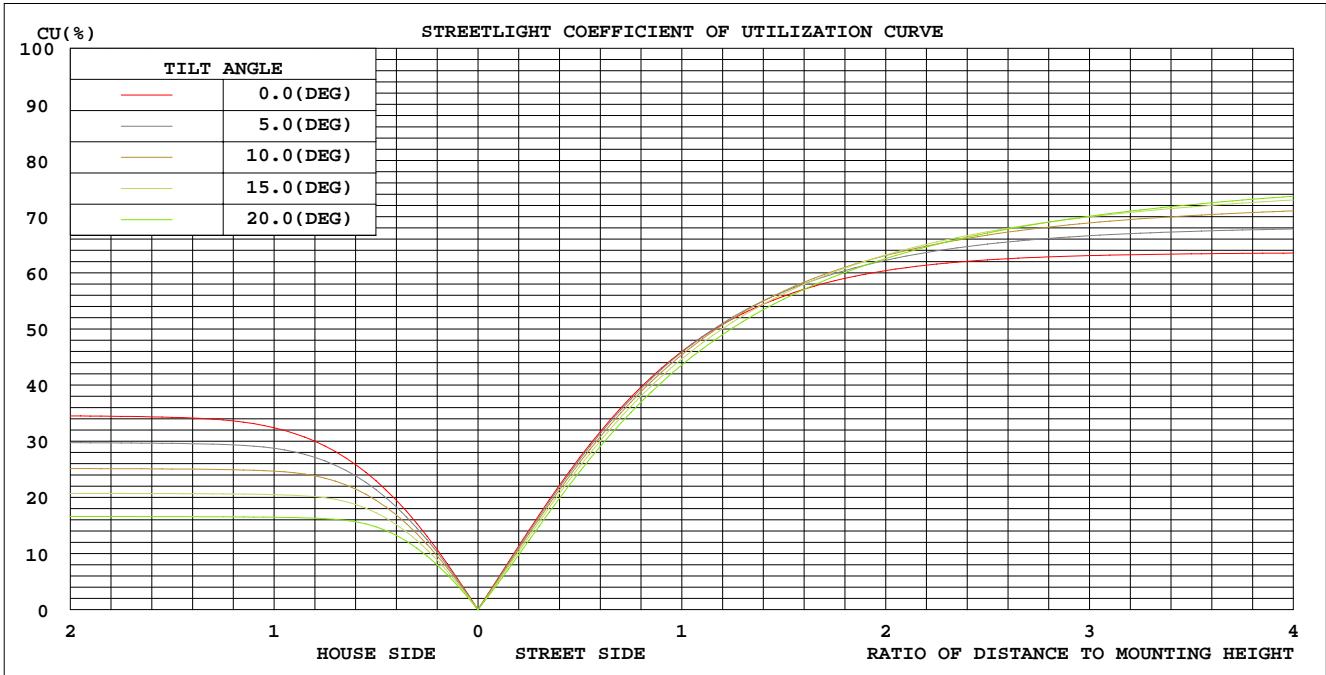
IES:Type III - Very Short  
 CIE:Average - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:20.34cd/klm  
 Max.At90:5.366cd/klm  
 Max.80-90:20.34cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4223
90%	3801
80%	3378
70%	2956
60%	2534
50%	2111
40%	1689
30%	1267
20%	845
10%	422
5%	211

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:02 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 02 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 7.550m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

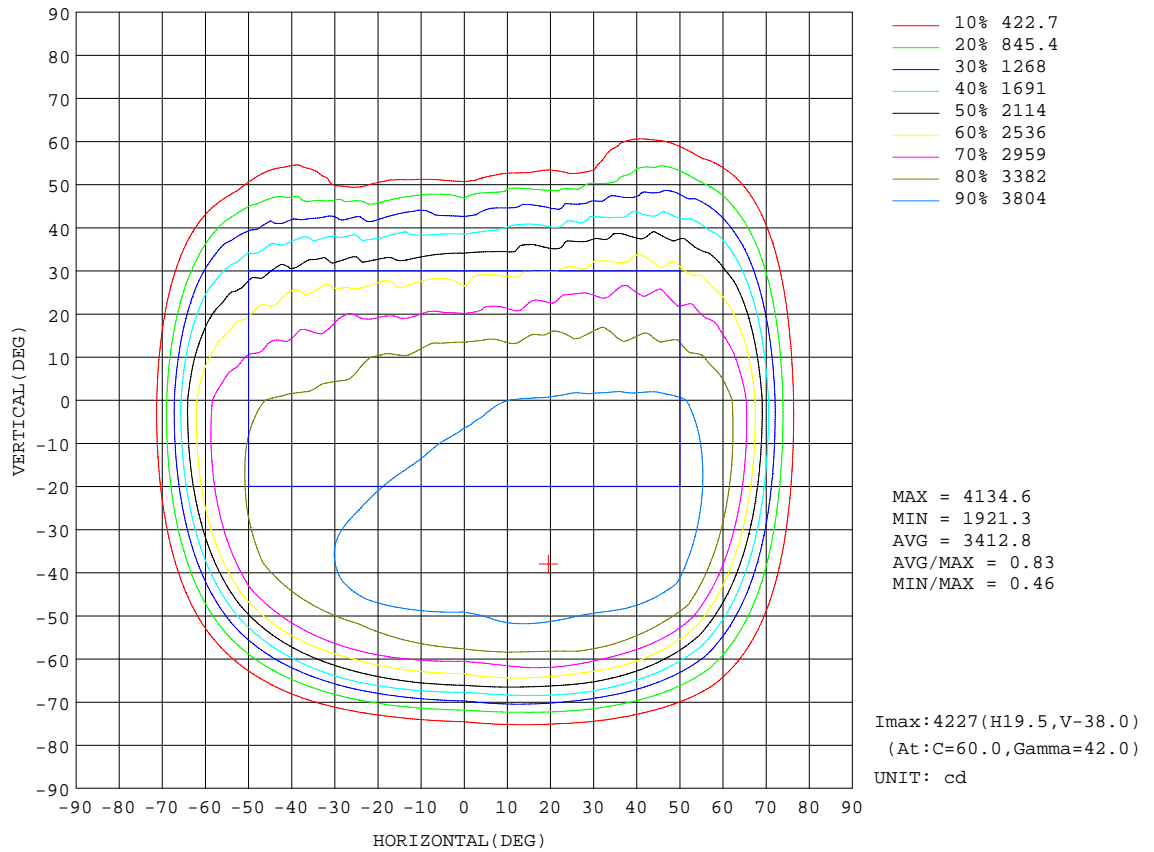
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	3760	3874	3882	3764	3608	3511	3501	3610	0- 10	352.3	352.3	2.96,2.96
20	3779	4010	4017	3803	3502	3240	2978	3403	10- 20	1034	1386	11.7,11.7
30	3810	4111	4102	3840	3443	2781	2413	2997	20- 30	1630	3016	25.4,25.4
40	3818	4179	4139	3853	3385	2265	1494	2529	30- 40	2094	5110	43,43
50	3780	4146	3741	3753	3287	1478	559.9	1984	40- 50	2358	7467	62.8,62.8
60	3501	3687	3078	3175	2782	604.0	28.63	985.4	50- 60	2244	9711	81.6,81.6
70	1819	1999	1224	1034	636.9	83.14	17.44	309.3	60- 70	1591	11302	95,95
80	194.7	224.6	126.8	110.4	45.24	20.79	17.96	34.67	70- 80	374.6	11677	98.2,98.2
90	21.67	50.70	63.84	39.33	20.82	19.72	18.56	20.78	80- 90	58.06	11735	98.6,98.6
100	21.02	31.25	35.63	27.70	22.05	21.47	20.35	21.31	90-100	30.43	11766	98.9,98.9
110	21.91	22.57	22.79	22.10	24.69	24.93	23.53	23.96	100-110	25.41	11791	99.1,99.1
120	23.14	19.99	17.55	21.63	26.48	27.54	26.38	26.61	110-120	23.19	11814	99.3,99.3
130	23.69	20.56	18.73	22.31	27.23	28.77	28.16	27.96	120-130	21.77	11836	99.5,99.5
140	24.26	22.01	20.73	22.96	27.67	29.49	28.40	28.75	130-140	19.47	11855	99.7,99.7
150	25.70	23.54	22.50	24.16	28.56	30.52	29.61	30.13	140-150	16.48	11872	99.8,99.8
160	27.67	25.25	24.77	26.70	29.27	31.11	30.93	31.63	150-160	12.82	11885	99.9,99.9
170	28.55	27.51	27.36	28.78	29.00	30.52	30.57	31.45	160-170	8.233	11893	100,100
180	29.08	29.01	29.01	29.77	29.20	29.00	28.93	29.78	170-180	2.793	11896	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:02 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

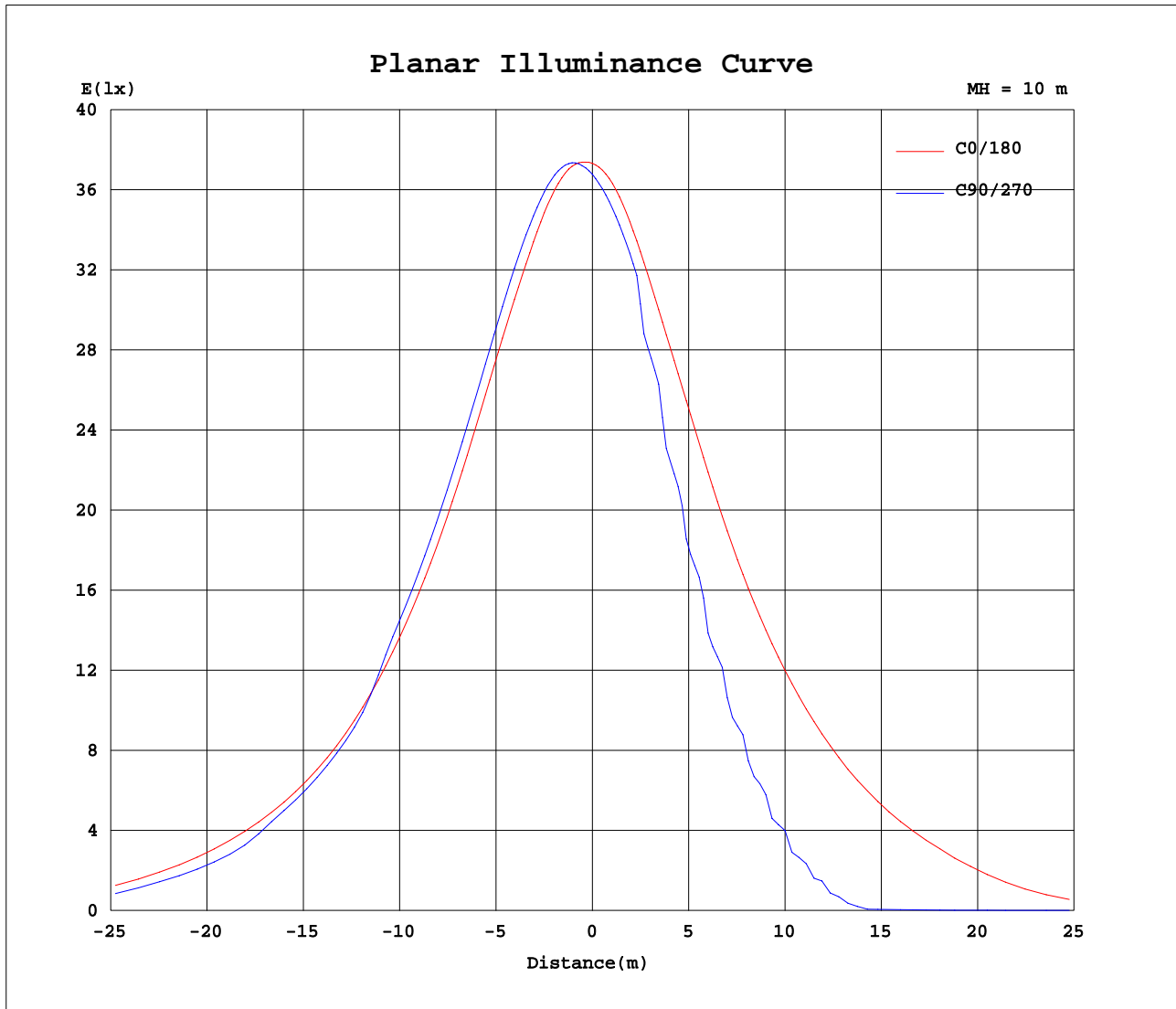
Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 02 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.550m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



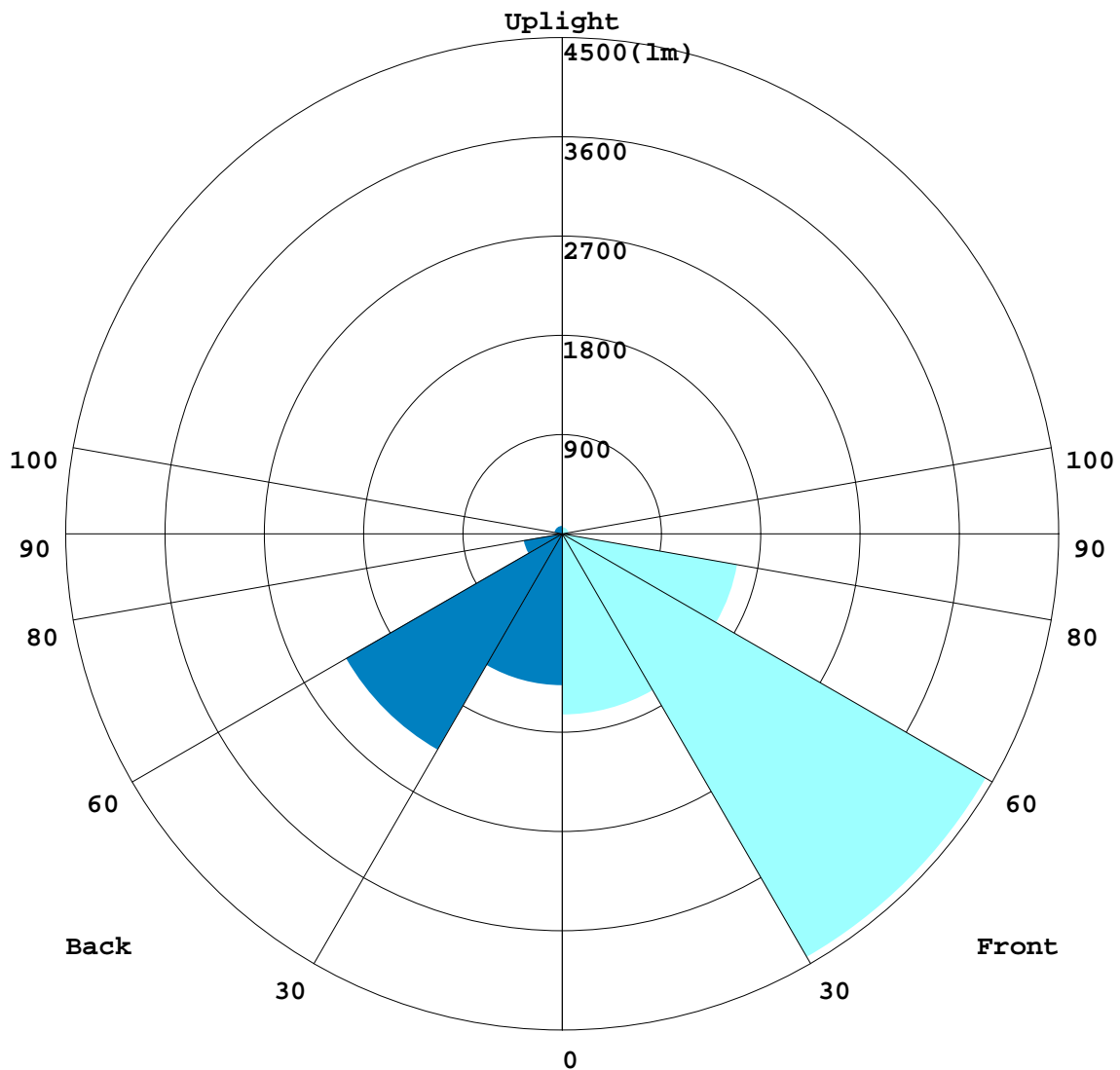
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 02 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.550m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz		
Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:02 June 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1640.7	13.8
FM - Front-Medium(30-60)	4433.4	37.3
FH - Front-High(60-80)	1612.6	13.6
FVH - Front-Very High(80-90)	45.956	0.4
Total Forward Light	7811.8	65.7

BL - Back-Low(0-30)	1374.9	11.6
BM - Back-Medium(30-60)	2262.1	19.0
BH - Back-High(60-80)	353.31	3.0
BVH - Back-Very High(80-90)	12.105	0.1
Total Back Light	4083.8	34.3

UL - Uplight-Low(90-100)	30.431	0.3
UH - Uplight-High(100-180)	130.17	1.1
Total Up Light	160.61	1.4

BUG(Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4002.4	81.46	4083.8
Street Side	7732.7	79.145	7811.8

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:02 June 2021

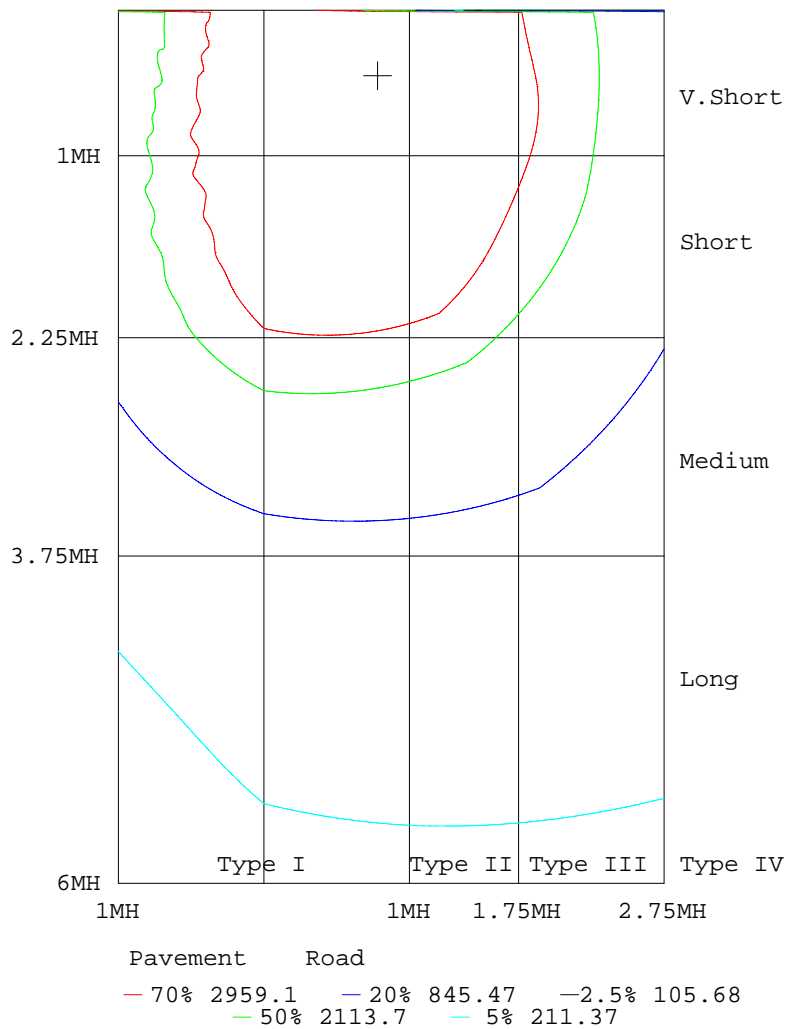
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.550m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:02 June 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.550m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.8498A P:101.88W PF:0.9992 Freq:59.98Hz Lamp Flux:11895.7x1 lm		
NAME: TS-SL0710-100W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602006
MFR.:	SUR.: 340*315	Shielding Angle:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	3690	3690	3690	3690	3690	3690	3690	3690	3690	3690	3690	3690							
5	3728	3766	3793	3790	3758	3707	3657	3612	3590	3594	3623	3675							
10	3760	3851	3897	3882	3815	3713	3608	3530	3492	3501	3561	3660							
15	3773	3916	3981	3955	3856	3706	3552	3449	3393	3208	3491	3627							
20	3779	3970	4050	4017	3896	3709	3502	3376	3104	2978	3217	3590							
25	3796	4024	4110	4065	3933	3718	3471	3274	2771	2724	2896	3566							
30	3810	4067	4154	4102	3960	3720	3443	3067	2494	2413	2651	3344							
35	3812	4105	4192	4130	3975	3721	3411	2855	2142	1942	2400	3323							
40	3818	4138	4220	4139	3982	3723	3385	2731	1796	1494	2014	3046							
45	3816	4150	4216	4111	3962	3709	3354	2477	1433	1135	1577	2993							
50	3780	4125	4168	3741	3856	3650	3287	2126	828	560	1219	2751							
55	3695	4044	3761	3539	3436	3515	3130	1740	181	36.5	590	2355							
60	3501	3860	3513	3078	3141	3210	2782	1173	32.4	28.6	36.4	1937							
65	2992	3416	2826	2317	2245	2249	1860	589	20.0	17.9	29.2	1254							
70	1819	2190	1808	1224	1119	950	637	147	18.8	17.4	19.7	600							
75	614	887	675	376	312	215	146	39.5	18.2	17.3	19.1	159							
80	195	242	207	127	131	89.7	45.2	23.1	18.5	18.0	18.9	50.4							
85	53.6	109	98.1	79.3	67.1	38.9	22.2	21.6	19.7	20.4	19.4	26.2							
90	21.7	40.1	61.3	63.8	47.4	31.2	20.8	20.4	19.0	18.6	19.2	22.3							
95	20.5	32.0	44.0	45.5	37.5	27.9	21.4	21.0	19.8	19.4	19.9	21.6							
100	21.0	27.9	34.7	35.6	30.3	25.1	22.0	22.0	20.9	20.3	20.7	22.0							
105	21.5	24.4	27.9	28.3	25.0	23.5	23.3	23.8	22.5	21.7	21.9	22.8							
110	21.9	22.3	22.9	22.8	21.1	23.1	24.7	25.5	24.4	23.5	23.6	24.4							
115	22.4	21.3	19.2	18.8	19.5	23.3	25.7	26.8	26.2	25.2	25.2	25.7							
120	23.1	21.0	18.9	17.6	19.8	23.5	26.5	27.8	27.3	26.4	26.5	26.8							
125	23.6	21.2	19.1	18.0	20.1	23.7	27.0	28.5	28.0	27.4	27.4	27.4							
130	23.7	21.6	19.5	18.7	20.7	23.9	27.2	29.0	28.5	28.2	28.0	27.9							
135	23.8	22.2	20.2	19.7	21.5	23.8	27.4	29.4	28.8	28.3	28.5	28.1							
140	24.3	23.0	21.0	20.7	22.1	23.9	27.7	29.8	29.2	28.4	29.0	28.5							
145	24.9	23.7	21.9	21.7	22.6	24.3	28.1	30.4	29.7	29.0	29.8	29.0							
150	25.7	24.3	22.7	22.5	23.2	25.1	28.6	30.8	30.3	29.6	30.5	29.7							
155	26.8	24.7	23.7	23.4	24.2	26.3	29.2	31.1	30.9	30.6	31.6	30.7							
160	27.7	25.6	24.9	24.8	25.8	27.6	29.3	31.1	31.1	30.9	32.1	31.2							
165	28.3	26.6	26.3	26.3	27.0	28.9	29.4	31.1	31.2	31.1	32.3	31.5							
170	28.5	27.6	27.4	27.4	27.9	29.7	29.0	30.5	30.5	30.6	31.8	31.1							
175	28.8	28.2	28.4	28.3	28.7	30.1	28.8	29.7	29.6	29.6	30.5	30.3							
180	29.1	29.0	29.0	29.0	29.4	30.1	29.2	29.0	29.0	28.9	29.5	30.1							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:02 June 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.550m [K=1.0000]  
 Remarks: