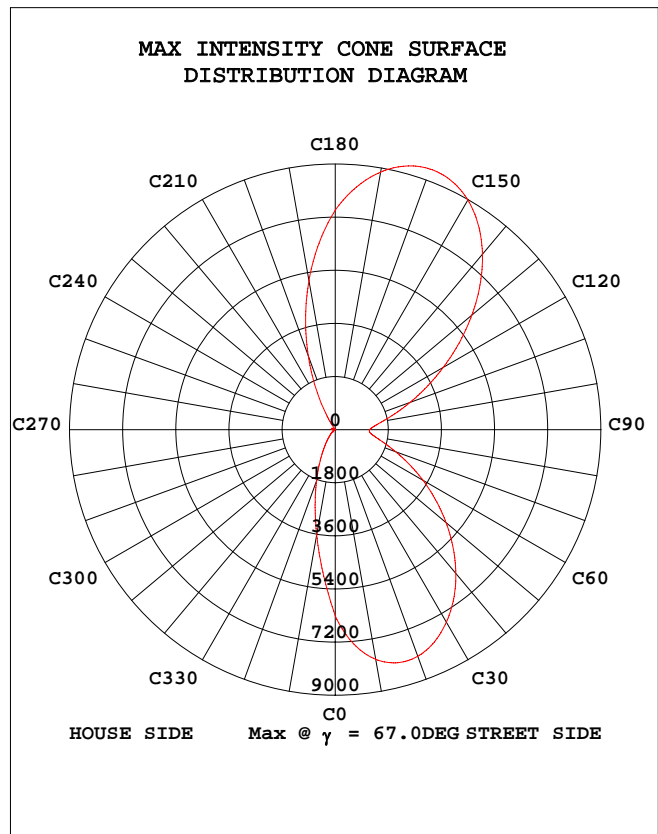
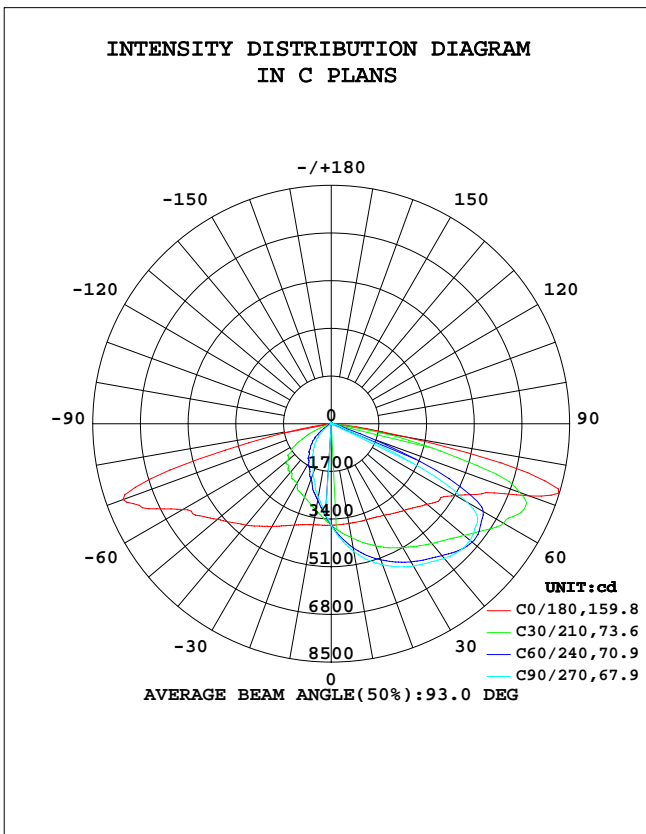


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
MFR.:	SUR.: 340*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.28 lm/W			
MODEL	TS-SL0715-150W-H3-1	I <sub>max</sub> (cd)	8988	η street_up(%)	0.6
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	73.9
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	18371	η house_up(%)	0.7
NOMINAL FLUX(lm)	18371.3	MAXIMUM @(C,γ )	150,67.0	η house_down(%)	24.8
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	22.898

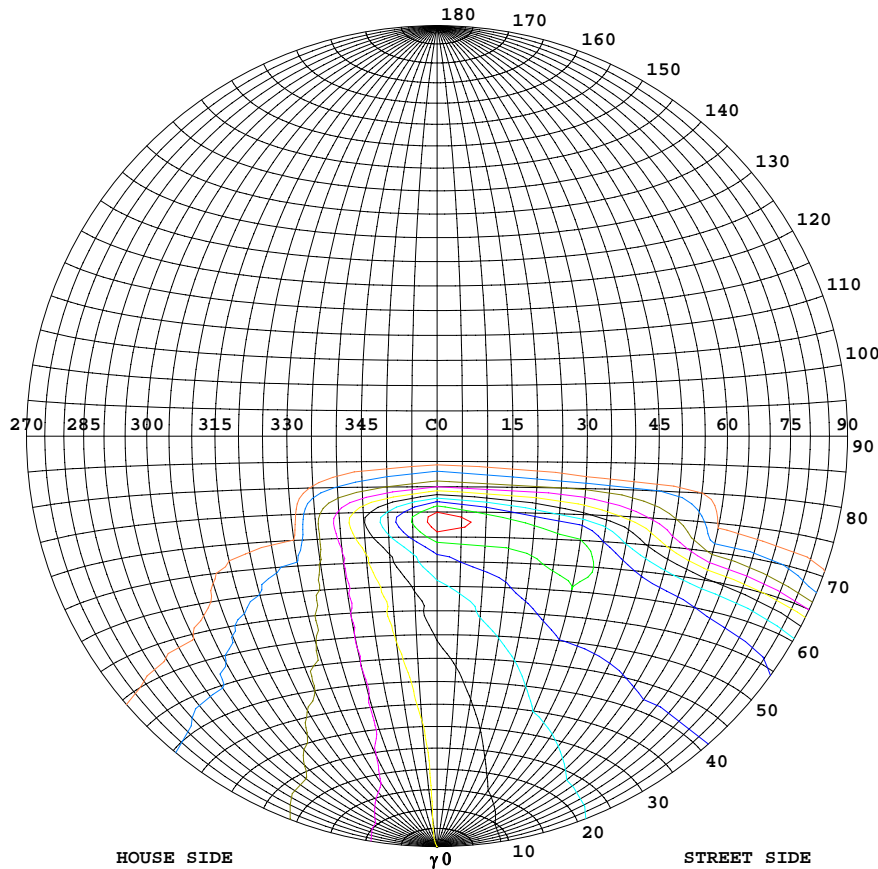


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 June 2021

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:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
MFR.:	SUR.: 340*315	Shielding Angle:



**Classification:**

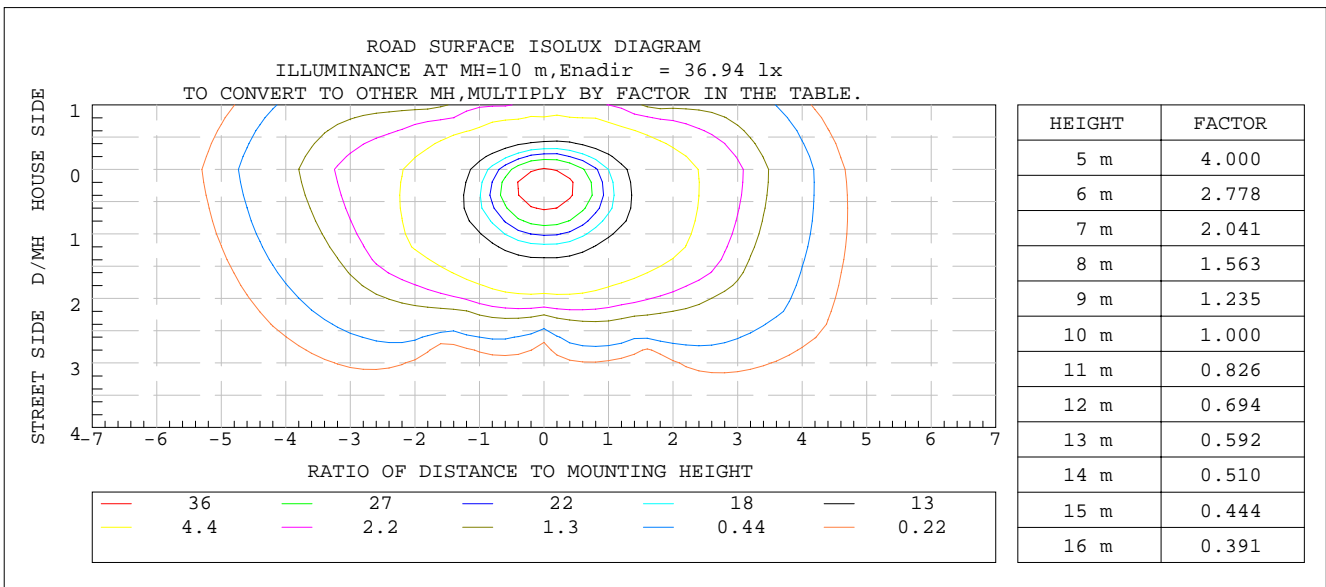
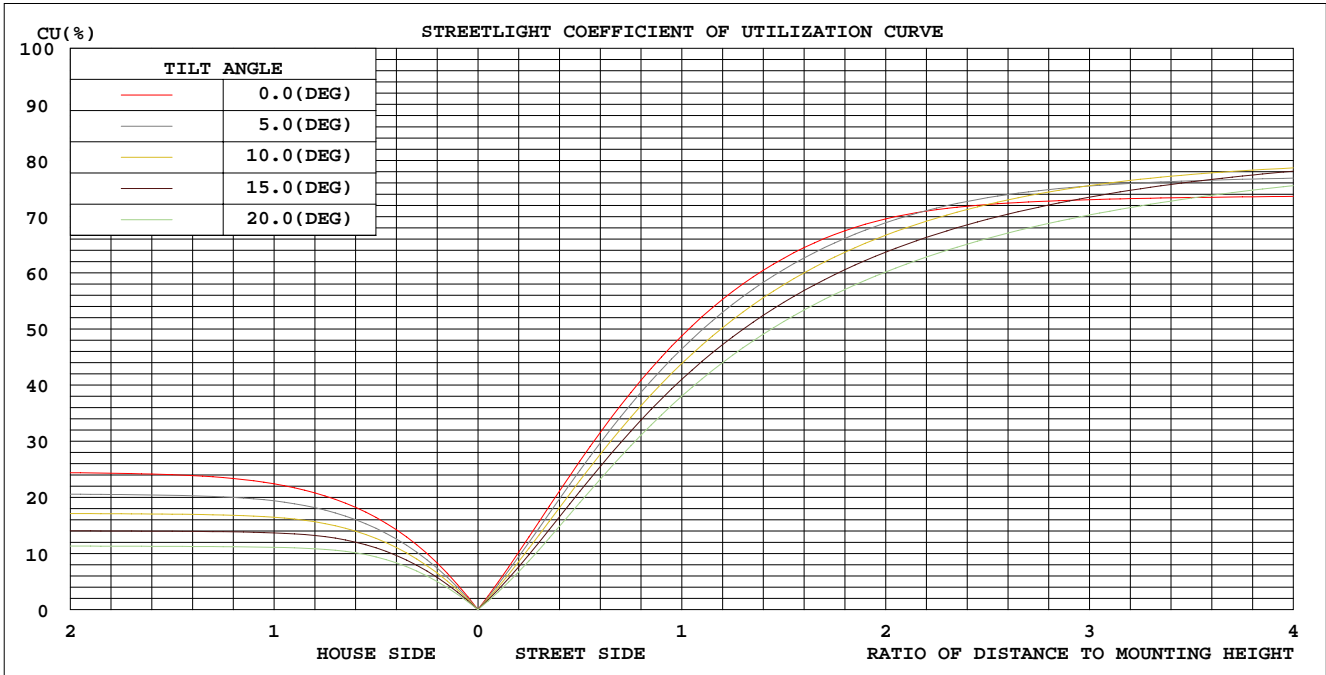
IES:Type III - Short  
 CIE:Average - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:143.5cd/klm  
 Max.At90:2.935cd/klm  
 Max.80-90:143.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8988
90%	8089
80%	7190
70%	6291
60%	5393
50%	4494
40%	3595
30%	2696
20%	1798
10%	899
5%	449

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 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: 05 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:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
MFR.:	SUR.: 340*315	Shielding Angle:

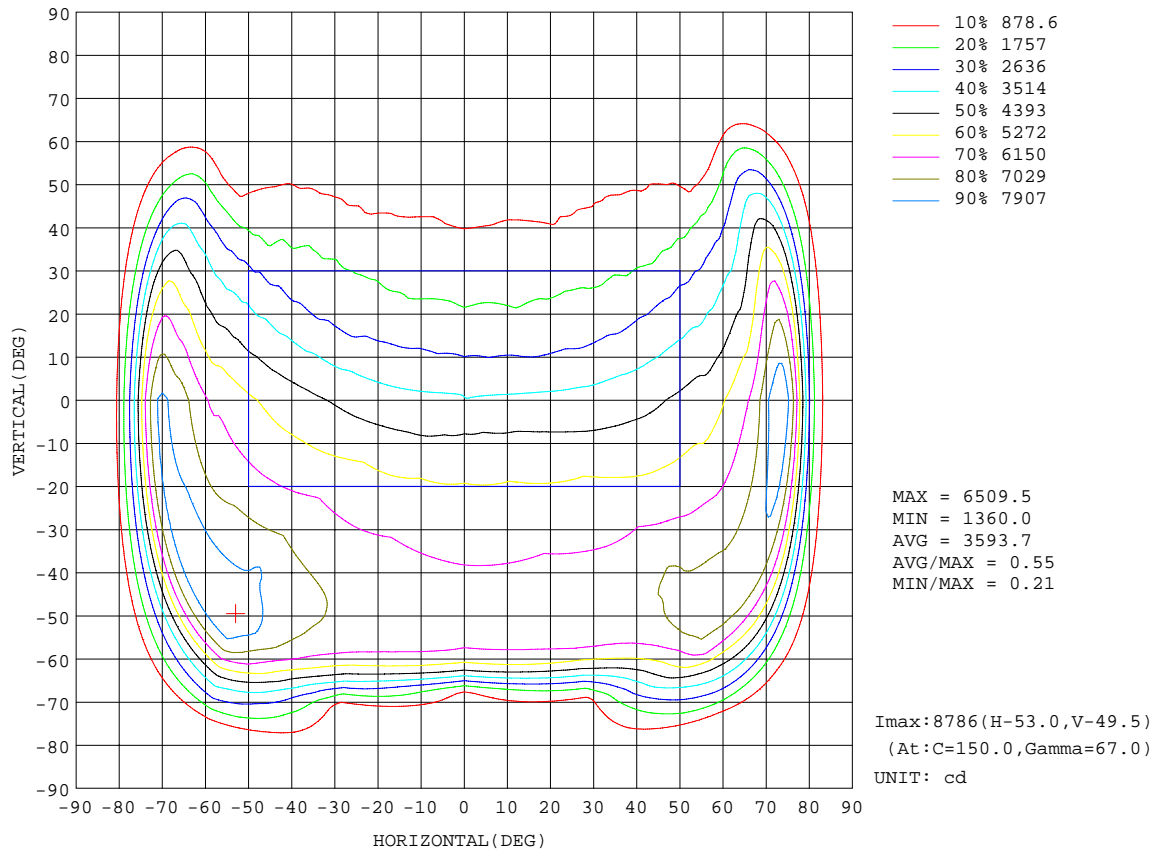
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	3607	4302	4622	4347	3656	2953	2656	2924	0- 10	345.9	345.9	1.88,1.88
20	3646	4897	5346	5084	3846	2447	1918	2364	10- 20	1039	1385	7.54,7.54
30	3769	5392	5855	5756	4230	2025	1368	1876	20- 30	1732	3117	17,17
40	4037	5855	6264	6381	4719	1713	861.0	1532	30- 40	2415	5533	30.1,30.1
50	4465	6378	6464	7031	5305	1395	367.1	1252	40- 50	3094	8627	47,47
60	5118	6679	5595	7339	6120	785.0	46.60	727.4	50- 60	3640	12267	66.8,66.8
70	7537	4349	483.3	5330	7901	183.7	23.64	262.9	60- 70	3577	15845	86.2,86.2
80	2637	921.6	141.8	1212	1105	52.28	26.30	56.62	70- 80	2095	17939	97.6,97.6
90	34.44	45.86	53.92	47.94	35.14	31.64	26.94	35.70	80- 90	198.8	18138	98.7,98.7
100	37.81	36.01	38.62	38.71	43.94	35.21	30.52	40.05	90-100	41.48	18180	99,99
110	43.42	31.38	28.51	34.29	43.36	40.78	34.61	44.68	100-110	39.88	18219	99.2,99.2
120	41.75	29.35	24.13	31.00	40.33	42.29	40.09	46.62	110-120	37.15	18257	99.4,99.4
130	39.53	28.57	23.69	28.73	39.09	41.04	41.90	47.16	120-130	32.87	18289	99.6,99.6
140	39.26	29.23	24.68	28.59	39.43	41.20	40.34	46.76	130-140	28.02	18317	99.7,99.7
150	38.87	30.11	26.56	29.98	37.44	41.68	41.25	45.54	140-150	22.88	18340	99.8,99.8
160	37.72	31.43	29.72	32.85	36.60	40.40	41.26	44.09	150-160	16.99	18357	99.9,99.9
170	36.84	33.53	33.23	35.69	36.05	38.18	38.74	41.24	160-170	10.49	18368	100,100
180	36.00	35.75	35.72	37.45	36.15	35.72	35.57	37.45	170-180	3.490	18371	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:05 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:

ISOCANDELA DIAGRAM

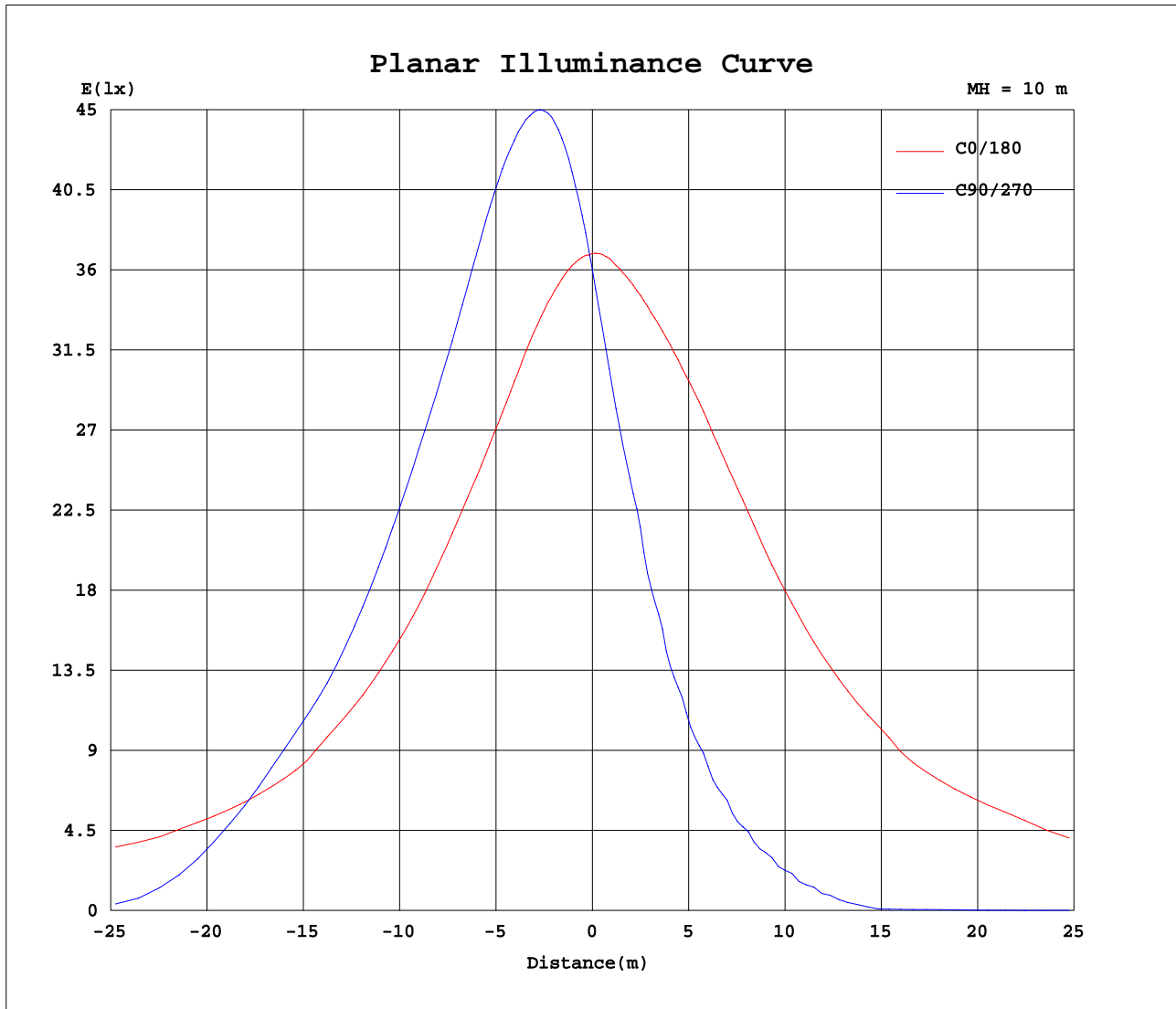
Test:U:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
MFR.:	SUR.: 340*315	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 05 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



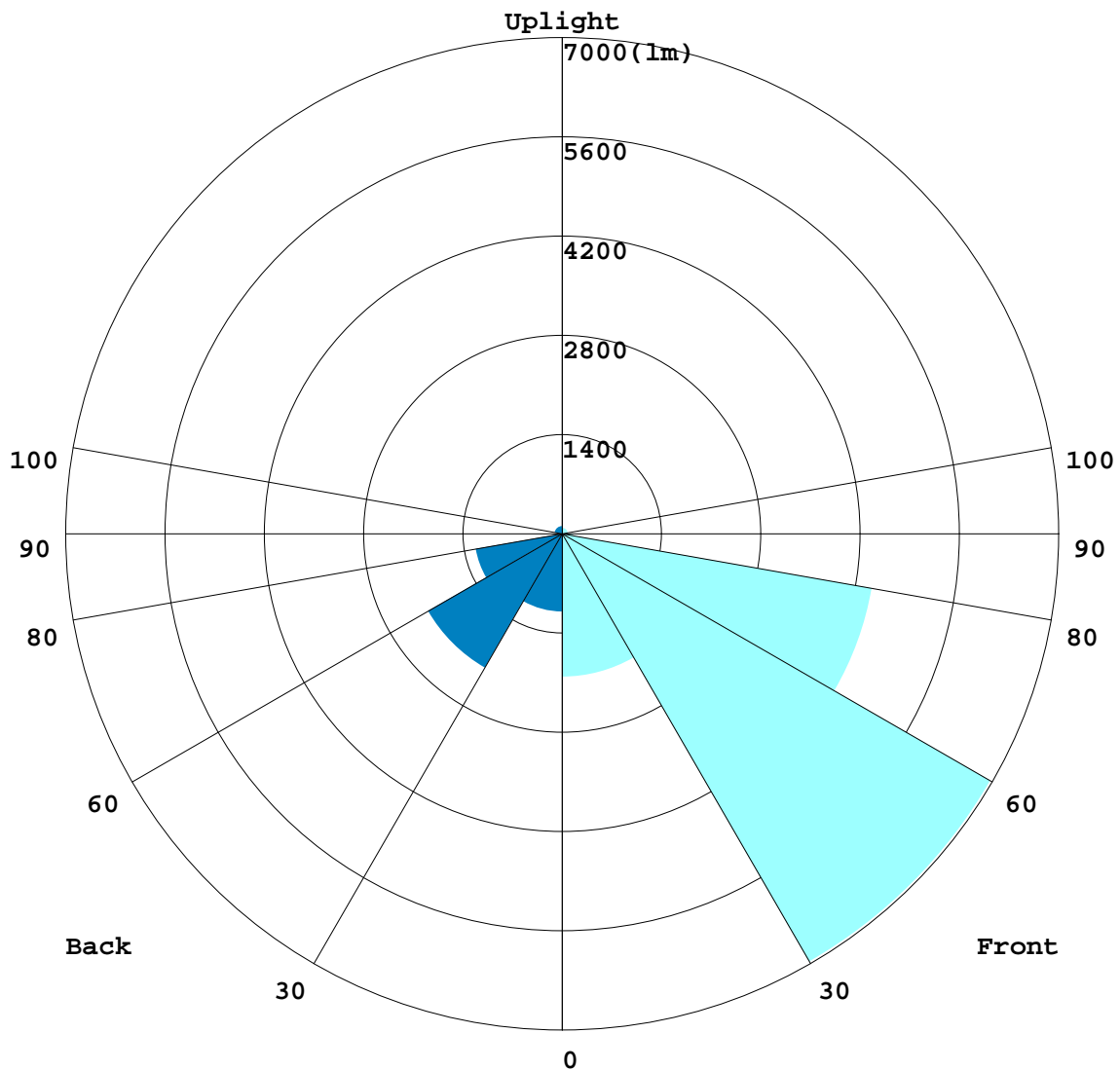
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 05 June 2021

$\gamma$  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:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
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:05 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:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
MFR.:	SUR.: 340*315	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2018.4	11.0
FM - Front-Medium(30-60)	6968.4	37.9
FH - Front-High(60-80)	4433.9	24.1
FVH - Front-Very High(80-90)	157.57	0.9
Total Forward Light	13684	74.5

BL - Back-Low(0-30)	1098.9	6.0
BM - Back-Medium(30-60)	2181.6	11.9
BH - Back-High(60-80)	1237.9	6.7
BVH - Back-Very High(80-90)	41.213	0.2
Total Back Light	4687.1	25.5

UL - Uplight-Low(90-100)	41.48	0.2
UH - Uplight-High(100-180)	191.77	1.0
Total Up Light	233.25	1.3

BUG(Back,Up,Glare) Rating	B3-U3-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4559.7	127.43	4687.1
Street Side	13578	105.82	13684

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:05 June 2021

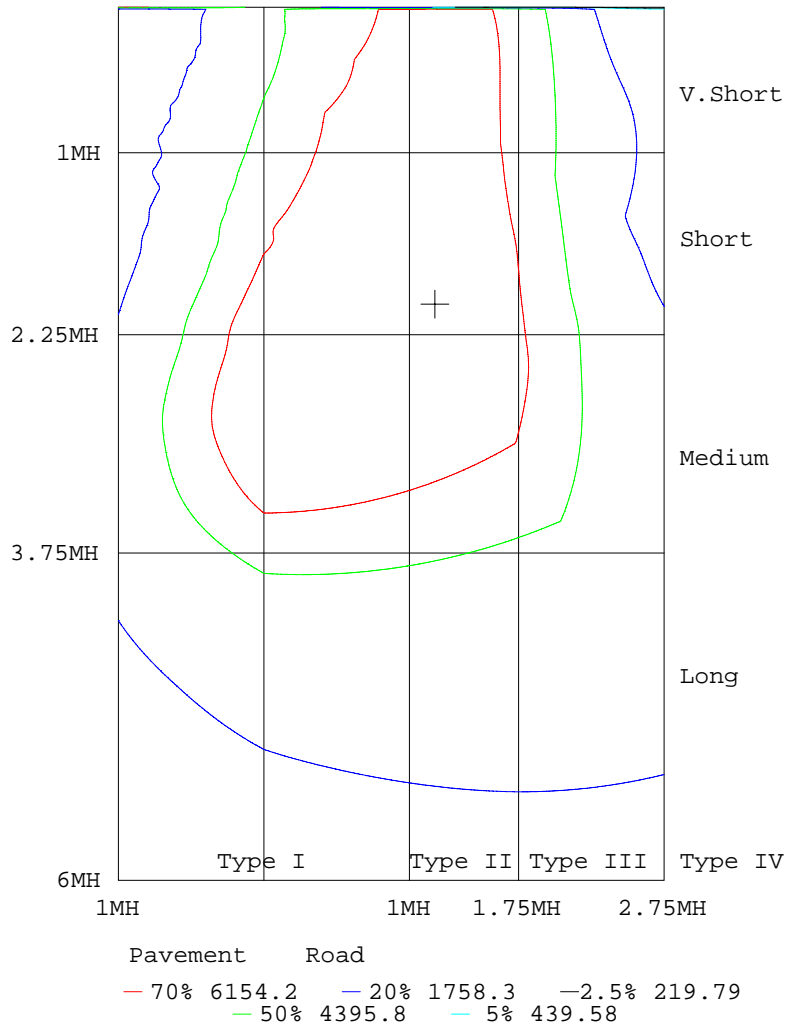
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.550m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
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:05 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:120.09V I:1.2733A P:152.74W PF:0.9988 Freq:59.99Hz Lamp Flux:18371.3x1 lm		
NAME: TS-SL0715-150W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605001
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	3619	3619	3619	3619	3619	3619	3619	3619	3619	3619	3619	3619							
5	3610	3874	4068	4141	4082	3899	3634	3368	3174	3096	3159	3344							
10	3607	4121	4484	4622	4515	4178	3656	3133	2771	2656	2757	3092							
15	3625	4378	4855	5020	4915	4511	3726	2937	2478	2246	2454	2872							
20	3646	4635	5160	5346	5293	4872	3846	2787	2105	1918	2052	2678							
25	3686	4879	5439	5630	5622	5240	4010	2676	1809	1617	1739	2514							
30	3769	5099	5688	5855	5929	5582	4230	2447	1600	1368	1504	2253							
35	3897	5332	5902	6047	6195	5924	4456	2407	1394	1133	1307	2158							
40	4037	5575	6138	6264	6463	6298	4719	2250	1172	861	1088	1980							
45	4221	5841	6404	6436	6769	6678	4983	2134	949	644	875	1922							
50	4465	6196	6561	6464	6935	7129	5305	2033	753	367	697	1812							
55	4727	6633	6470	6308	6868	7684	5719	1740	450	112	438	1667							
60	5118	7096	6260	5595	6507	8178	6120	1434	132	46.6	144	1316							
65	5923	7466	4636	2681	5234	8810	7174	877	107	24.2	108	1033							
70	7537	7141	1538	483	2317	8371	7901	307	59.4	23.6	61.1	467							
75	7888	4653	407	298	367	5427	4933	137	34.0	24.0	37.3	180							
80	2637	1618	220	142	212	2222	1105	72.4	32.0	26.3	36.0	77.4							
85	268	153	79.1	79.1	87.9	224	85.2	52.1	34.4	32.7	41.4	59.1							
90	34.4	41.7	50.1	53.9	51.7	44.2	35.1	34.3	29.0	26.9	33.6	37.8							
95	34.9	37.2	42.3	45.5	43.7	40.5	38.1	35.8	30.4	29.1	35.2	39.4							
100	37.8	35.5	36.5	38.6	37.7	39.7	43.9	38.7	31.7	30.5	36.6	43.6							
105	40.9	34.8	31.9	33.0	32.8	40.6	45.3	41.9	33.9	31.8	39.2	46.7							
110	43.4	34.6	28.2	28.5	28.8	39.9	43.4	43.9	37.6	34.6	42.0	47.4							
115	43.7	34.1	26.2	25.0	26.7	38.1	41.5	43.9	40.6	37.9	43.9	47.6							
120	41.7	33.4	25.3	24.1	25.7	36.4	40.3	42.8	41.8	40.1	45.3	47.9							
125	40.3	32.6	24.8	23.7	25.0	34.5	39.5	41.3	41.7	41.4	46.6	47.7							
130	39.5	32.3	24.8	23.7	24.6	32.9	39.1	40.7	41.4	41.9	47.1	47.2							
135	39.1	32.6	25.1	24.1	24.7	32.0	39.3	41.0	40.8	41.0	46.9	46.9							
140	39.3	32.9	25.5	24.7	25.2	32.0	39.4	41.4	41.0	40.3	46.4	47.1							
145	39.4	33.0	26.3	25.5	25.9	32.6	38.5	41.4	41.6	40.7	46.4	46.2							
150	38.9	32.9	27.3	26.6	26.9	33.1	37.4	41.0	42.3	41.3	46.2	44.9							
155	38.2	32.7	28.5	28.0	28.4	33.9	37.0	40.1	42.4	41.7	45.6	44.1							
160	37.7	32.9	30.0	29.7	30.5	35.2	36.6	39.2	41.6	41.3	44.8	43.4							
165	37.5	33.3	31.6	31.7	32.5	36.6	36.3	38.3	40.7	40.4	43.7	42.6							
170	36.8	33.9	33.2	33.2	34.0	37.5	36.0	37.3	39.1	38.7	41.5	40.9							
175	36.3	34.4	34.8	34.6	35.3	37.9	35.9	36.2	37.4	36.8	38.8	39.1							
180	36.0	35.4	36.1	35.7	36.7	38.2	36.1	35.2	36.2	35.6	36.8	38.1							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:05 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: