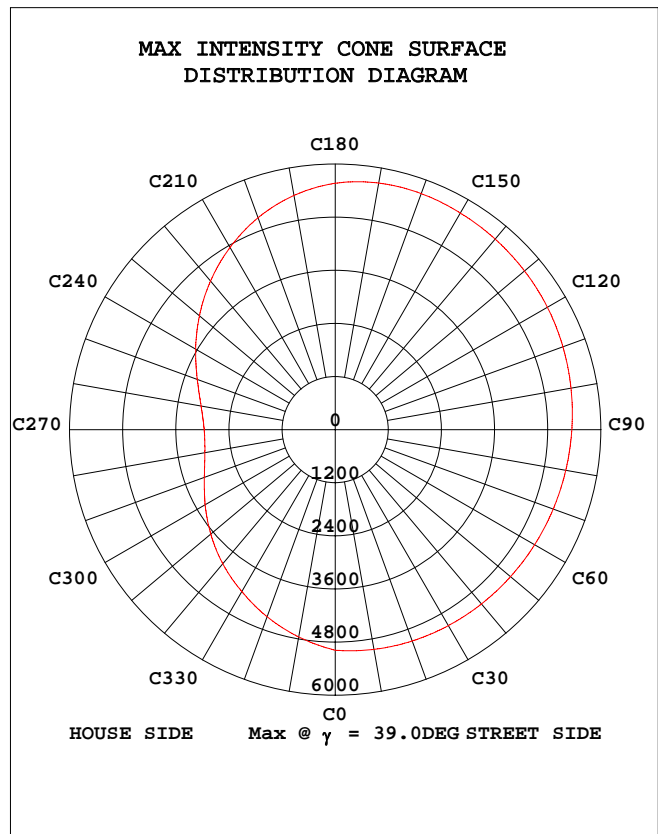
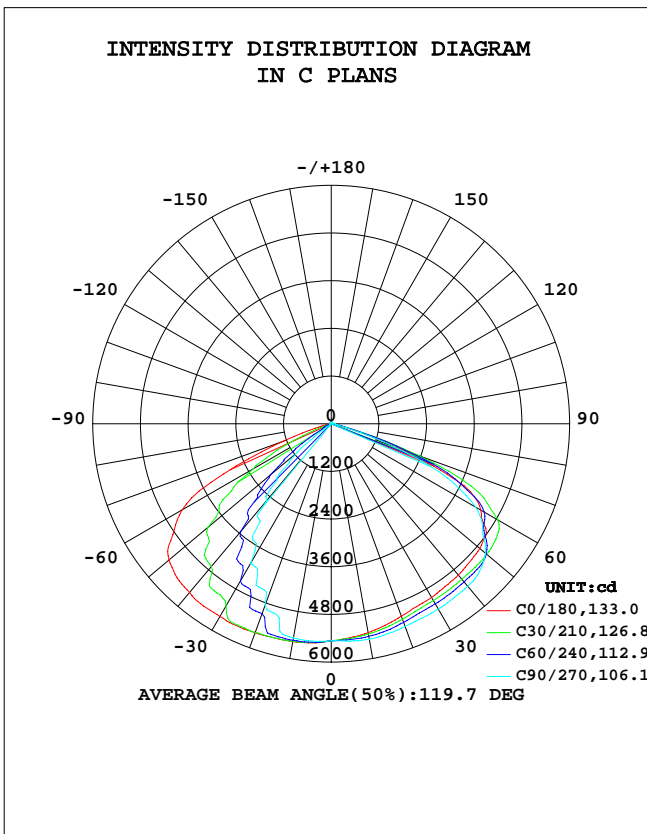


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
MFR.:	SUR.: 340*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.00 lm/W			
MODEL	TS-SL0715-150W-H5-1	I _{max} (cd)	5651	η street_up(%)	0.7
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	60.5
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	17012	η house_up(%)	0.7
NOMINAL FLUX(lm)	17012.3	MAXIMUM @(C,γ)	150,39.0	η house_down(%)	38.1
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	17.848

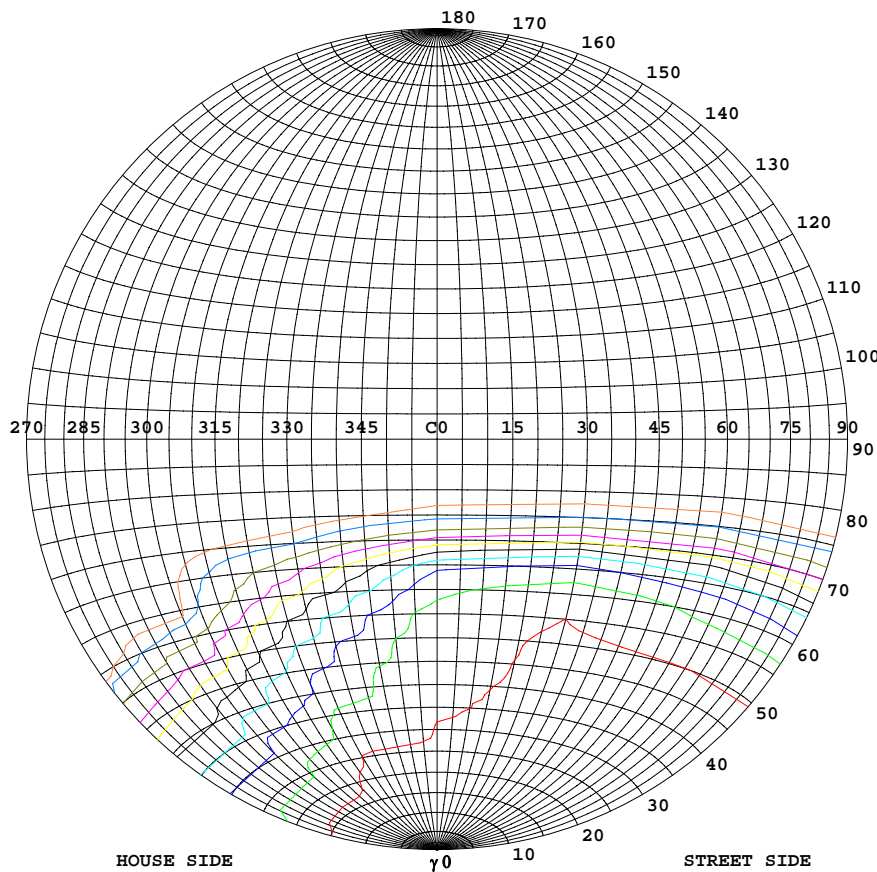


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
MFR.:	SUR.: 340*315	Shielding Angle:



Classification:

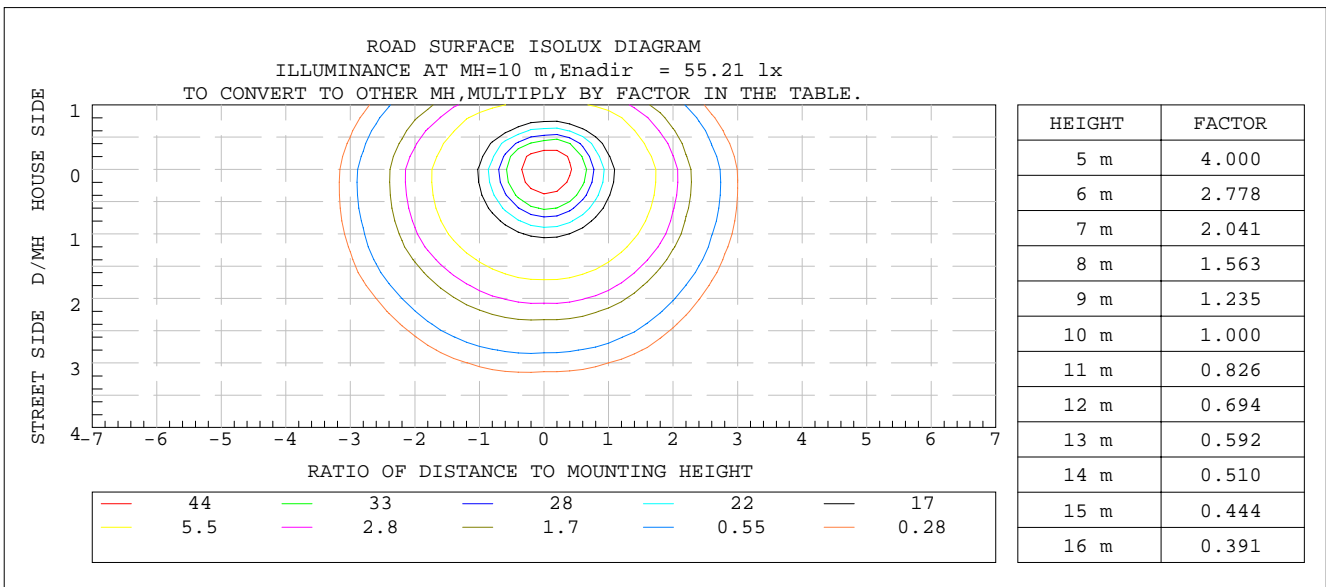
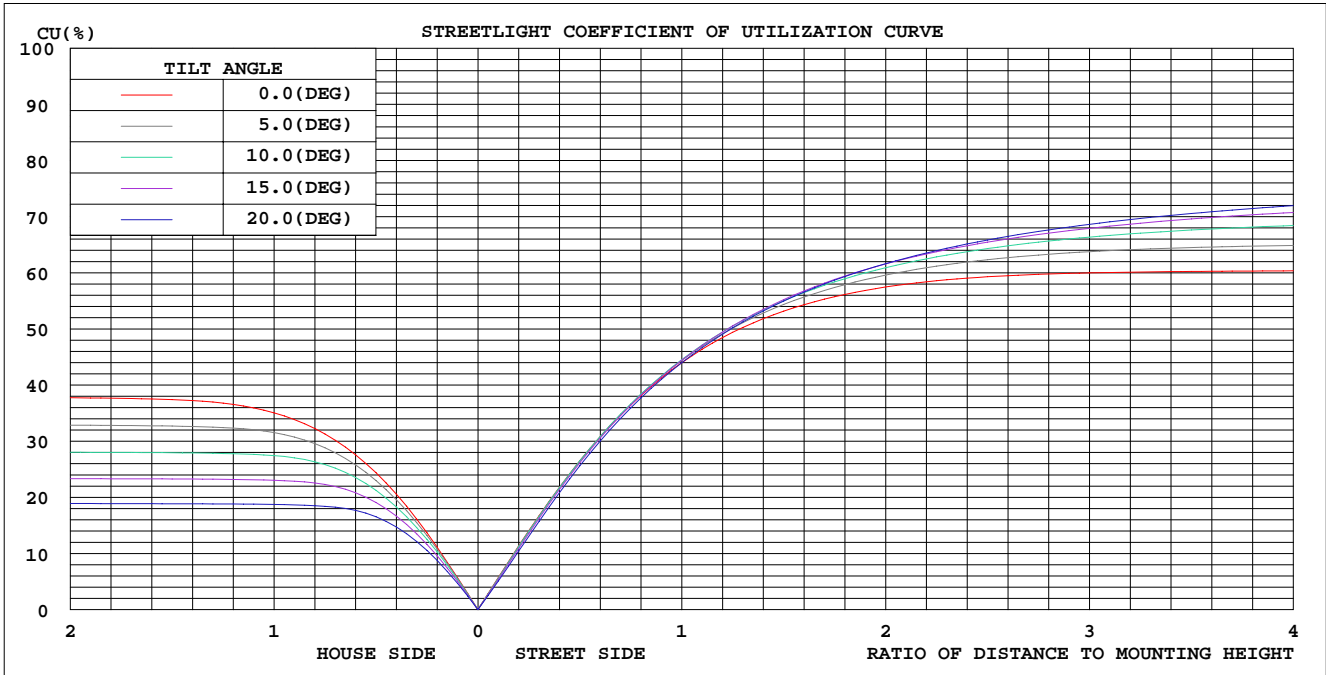
IES:Type III - Very Short
 CIE:Average - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:11.30cd/klm
 Max.At90:4.583cd/klm
 Max.80-90:11.30cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5651
90%	5086
80%	4521
70%	3956
60%	3391
50%	2825
40%	2260
30%	1695
20%	1130
10%	565
5%	283

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

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:

ZONAL FLUX DIAGRAM

Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
MFR.:	SUR.: 340*315	Shielding Angle:

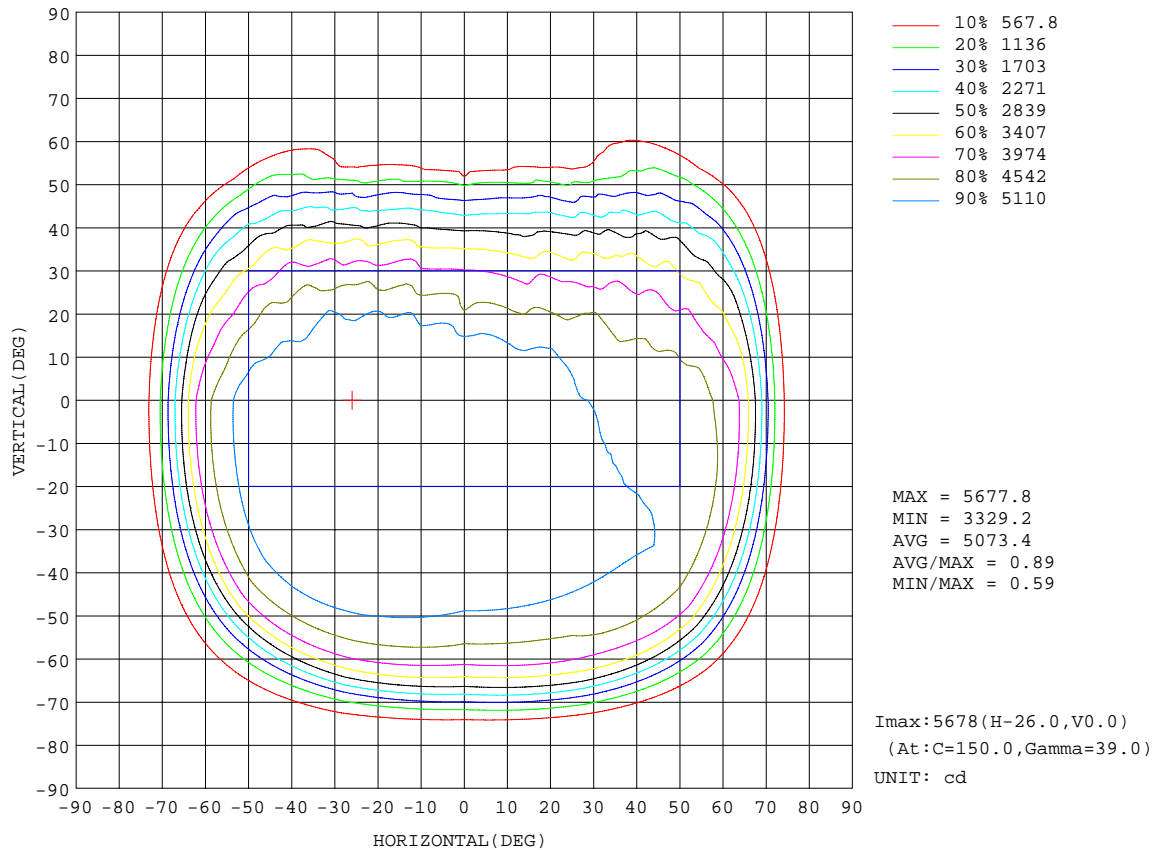
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	5338	5403	5504	5559	5568	5549	5475	5397	0- 10	522.9	522.9	3.07,3.07
20	5151	5278	5429	5564	5595	5341	4874	5039	10- 20	1528	2051	12.1,12.1
30	5050	5187	5387	5586	5601	4936	4051	4355	20- 30	2387	4439	26.1,26.1
40	4973	5156	5342	5592	5544	4124	2513	3591	30- 40	3035	7473	43.9,43.9
50	4883	5104	5068	5438	5326	3036	1105	2798	40- 50	3386	10859	63.8,63.8
60	4347	4644	4193	4613	4335	1261	46.26	1289	50- 60	3196	14055	82.6,82.6
70	1846	2212	1684	1752	1258	175.6	26.59	329.7	60- 70	2219	16275	95.7,95.7
80	123.6	192.0	158.2	181.5	110.5	34.95	28.17	38.05	70- 80	440.7	16715	98.3,98.3
90	29.05	59.10	77.96	57.94	29.94	28.31	26.29	28.55	80- 90	71.63	16787	98.7,98.7
100	30.20	40.19	47.30	40.37	30.96	29.66	28.32	30.40	90-100	41.67	16829	98.9,98.9
110	31.82	30.84	30.60	31.27	33.93	33.54	32.32	34.23	100-110	35.17	16864	99.1,99.1
120	34.36	29.68	25.52	30.38	36.23	36.82	36.06	37.98	110-120	32.42	16896	99.3,99.3
130	35.62	31.20	27.61	31.32	37.20	38.40	38.13	39.92	120-130	30.76	16927	99.5,99.5
140	36.62	33.48	30.64	32.37	38.00	39.69	38.98	41.16	130-140	27.62	16955	99.7,99.7
150	38.54	35.47	33.01	33.99	39.97	41.84	41.23	43.42	140-150	23.50	16978	99.8,99.8
160	41.40	37.95	36.11	37.53	41.54	43.18	43.14	45.05	150-160	18.33	16996	99.9,99.9
170	42.29	40.68	39.51	40.62	41.77	43.25	43.05	44.84	160-170	11.80	17008	100,100
180	42.16	42.10	41.43	42.31	42.37	42.06	41.32	42.31	170-180	4.014	17012	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

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

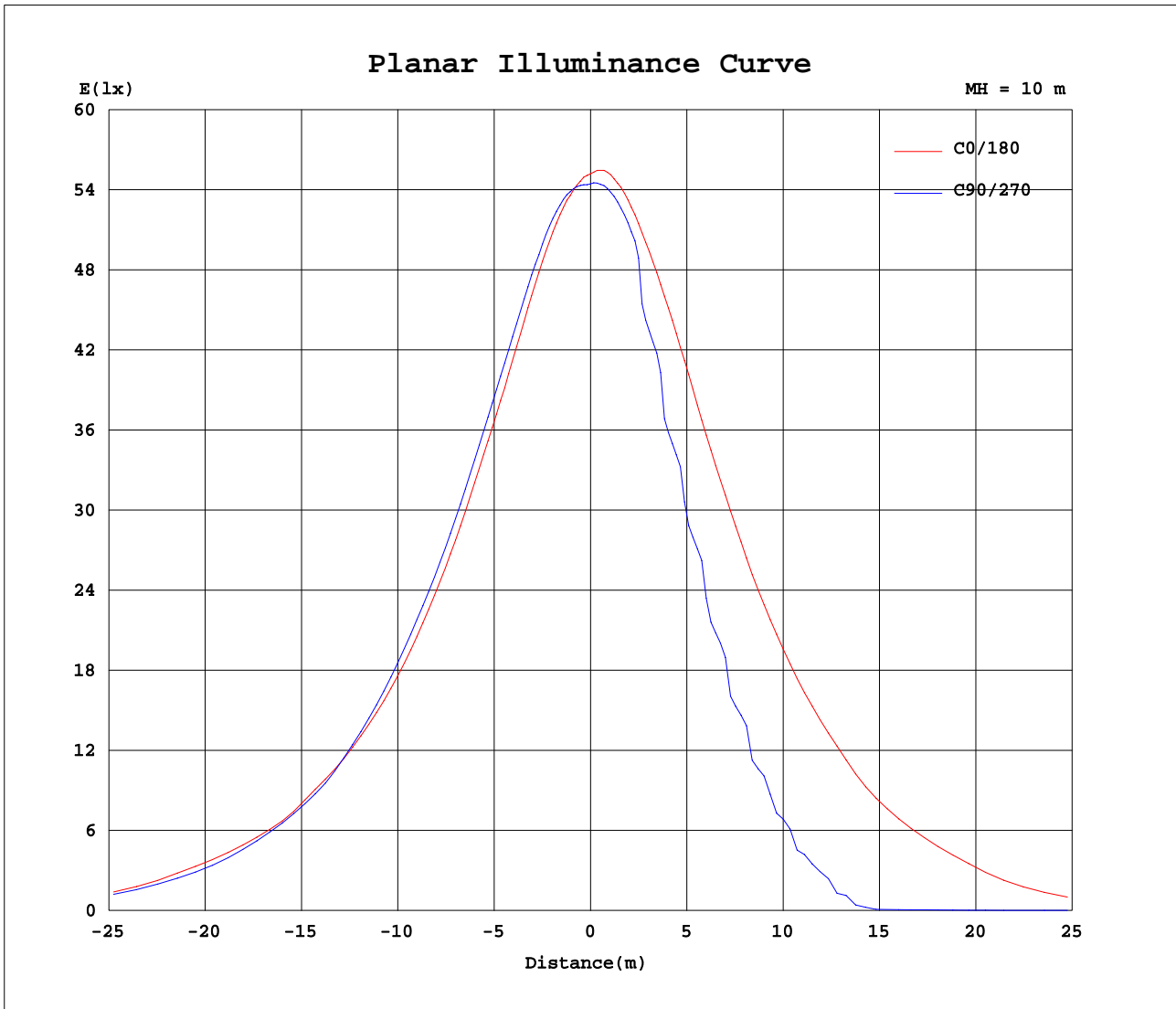
Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
MFR.:	SUR.: 340*315	Shielding Angle:



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



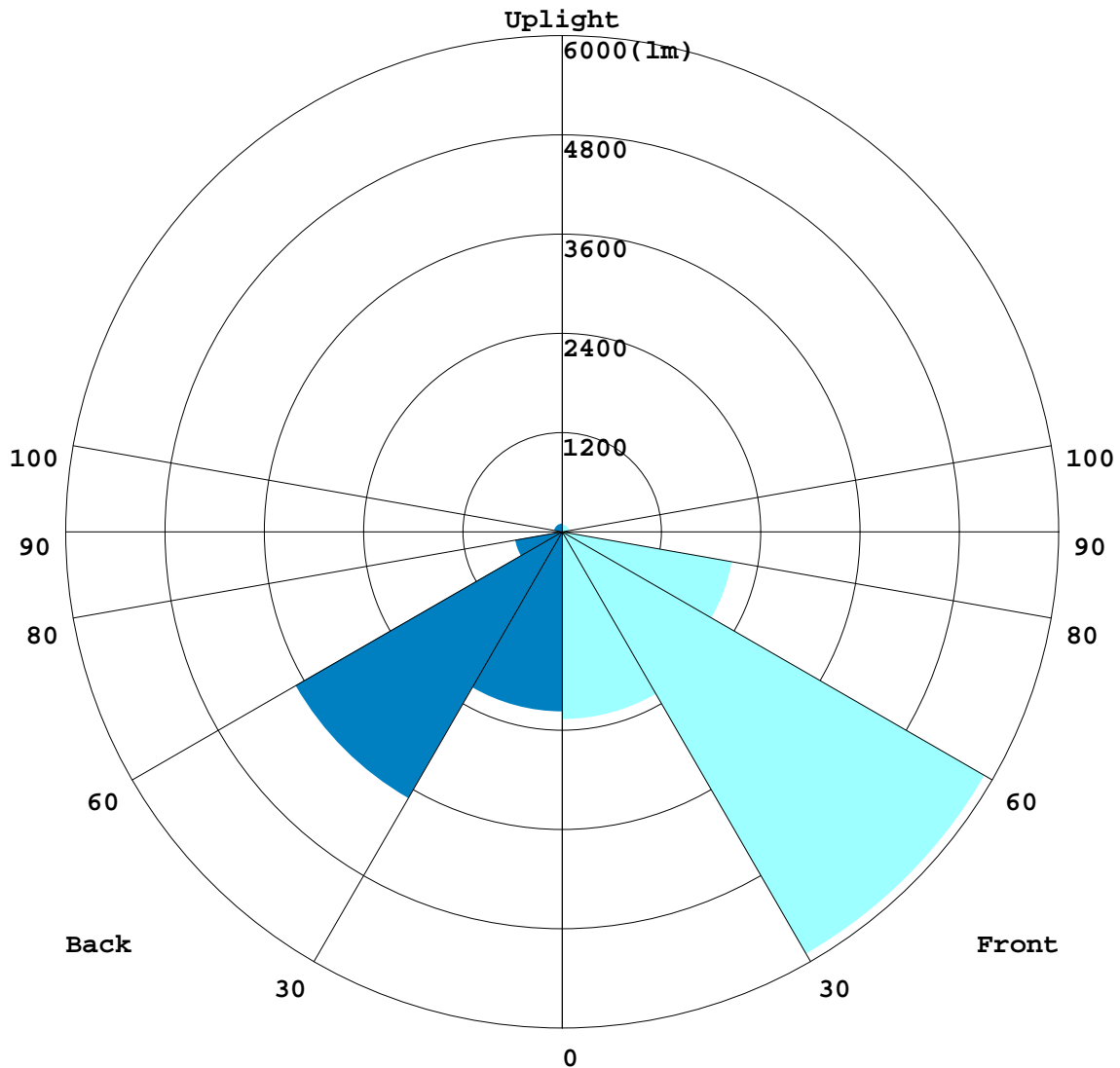
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:

LCS REPORT

Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz		
Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
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

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:

BUG REPORT

Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
MFR.:	SUR.: 340*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2265.6	13.3
FM - Front-Medium(30-60)	5895.3	34.7
FH - Front-High(60-80)	2084.1	12.3
FVH - Front-Very High(80-90)	52.256	0.3
Total Forward Light	10409	61.2

BL - Back-Low(0-30)	2173.1	12.8
BM - Back-Medium(30-60)	3721.1	21.9
BH - Back-High(60-80)	576.14	3.4
BVH - Back-Very High(80-90)	19.378	0.1
Total Back Light	6603.1	38.8

UL - Uplight-Low(90-100)	41.669	0.2
UH - Uplight-High(100-180)	183.61	1.1
Total Up Light	225.28	1.3

BUG(Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6489.8	113.29	6603.1
Street Side	10297	111.99	10409

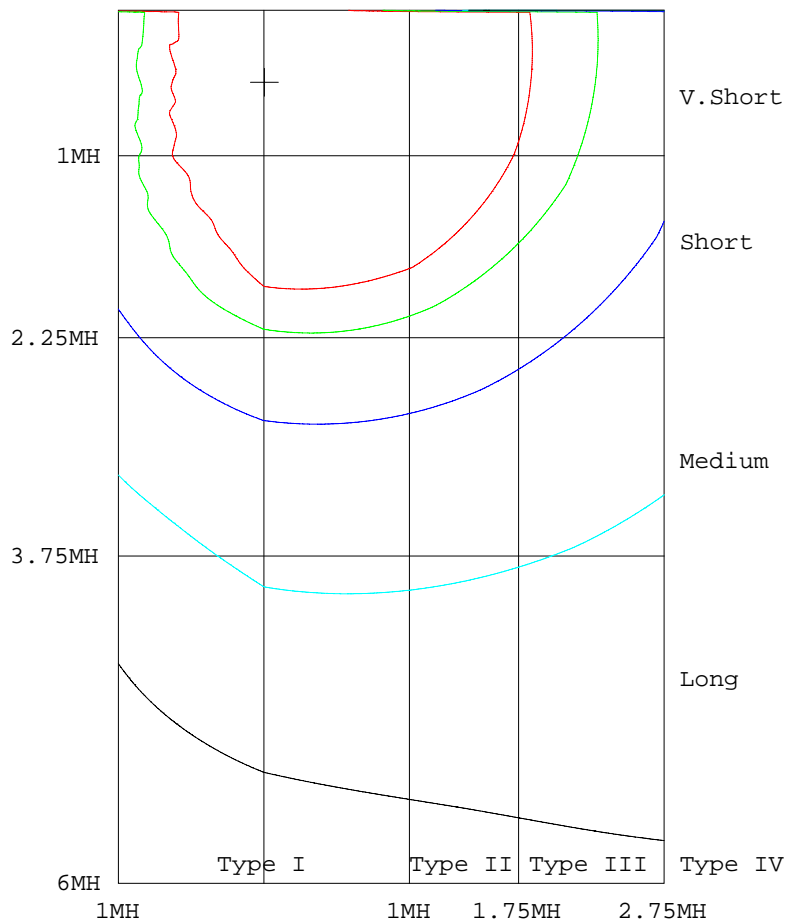
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:05 June 2021

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:

ROAD ISOCANDELA REPORT

Test:U:120.09V I:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
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:1.2664A P:151.90W PF:0.9988 Freq:59.98Hz Lamp Flux:17012.3x1 lm		
NAME: TS-SL0715-150W-H5-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210605005
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	5464	5464	5464	5464	5464	5464	5464	5464	5464	5464	5464	5464							
5	5406	5425	5452	5490	5512	5525	5538	5527	5518	5490	5455	5425							
10	5338	5375	5431	5504	5549	5568	5568	5562	5536	5475	5418	5376							
15	5253	5314	5390	5472	5544	5580	5576	5578	5516	5061	5349	5302							
20	5151	5234	5322	5429	5533	5596	5595	5590	5090	4874	4862	5217							
25	5083	5166	5254	5400	5534	5625	5608	5591	4783	4482	4402	5128							
30	5050	5140	5234	5387	5539	5633	5601	5294	4576	4051	4004	4706							
35	4998	5124	5223	5363	5537	5644	5602	5135	4151	3462	3570	4638							
40	4973	5112	5201	5342	5533	5651	5544	4693	3552	2513	2978	4206							
45	4925	5117	5187	5271	5515	5626	5484	4464	2622	1946	2436	3946							
50	4883	5112	5095	5068	5356	5520	5326	4048	2018	1105	1882	3716							
55	4768	5059	4691	4651	5044	5326	4865	3326	1103	130	1053	3229							
60	4347	4843	4443	4193	4511	4716	4335	2267	250	46.3	238	2342							
65	3691	4099	3599	3223	3591	3670	2986	1222	179	27.1	186	1607							
70	1846	2326	2098	1684	1848	1657	1258	279	71.6	26.6	109	551							
75	421	569	543	384	510	434	329	74.1	31.6	26.9	36.9	122							
80	124	192	192	158	187	176	111	41.4	28.5	28.2	30.3	45.8							
85	50.6	77.3	96.7	107	98.9	76.8	47.6	32.8	29.4	31.2	34.8	34.6							
90	29.1	49.0	69.2	78.0	68.0	47.8	29.9	29.3	27.3	26.3	27.5	29.6							
95	29.2	41.4	54.3	60.2	54.1	41.8	30.6	29.9	28.0	27.2	28.4	30.6							
100	30.2	36.4	44.0	47.3	43.9	36.8	31.0	30.4	28.9	28.3	29.3	31.4							
105	31.0	32.9	36.2	37.8	36.1	33.5	32.1	32.2	30.7	30.1	31.1	32.9							
110	31.8	31.4	30.3	30.6	30.3	32.3	33.9	34.2	32.9	32.3	33.4	35.0							
115	33.0	30.9	28.0	25.3	28.1	32.2	35.1	35.8	34.9	34.4	35.5	37.1							
120	34.4	31.2	28.1	25.5	28.4	32.4	36.2	37.2	36.5	36.1	37.1	38.8							
125	35.3	31.8	28.7	26.3	28.8	32.6	36.9	38.0	37.5	37.3	38.5	40.0							
130	35.6	32.7	29.7	27.6	29.7	33.0	37.2	38.6	38.2	38.1	39.4	40.4							
135	36.0	33.8	30.9	29.1	30.7	33.0	37.4	39.0	38.6	38.5	40.1	40.6							
140	36.6	35.0	32.0	30.6	31.6	33.1	38.0	39.9	39.5	39.0	41.1	41.2							
145	37.3	36.0	33.2	31.9	32.4	33.6	39.0	41.0	40.5	40.0	42.3	42.1							
150	38.5	36.7	34.3	33.0	33.2	34.8	40.0	42.0	41.7	41.2	43.5	43.3							
155	40.0	37.3	35.6	34.3	34.5	36.5	41.0	42.7	42.7	42.4	44.6	44.3							
160	41.4	38.5	37.4	36.1	36.6	38.5	41.5	43.1	43.3	43.1	45.3	44.8							
165	42.2	39.9	39.3	38.1	38.5	40.4	41.9	43.4	43.8	43.5	45.6	45.3							
170	42.3	40.8	40.5	39.5	39.6	41.6	41.8	43.1	43.4	43.1	44.9	44.7							
175	42.5	41.3	41.7	40.6	40.8	42.5	41.7	42.4	42.5	41.9	43.3	43.6							
180	42.2	42.1	42.1	41.4	41.8	42.8	42.4	41.9	42.2	41.3	41.8	42.8							

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: