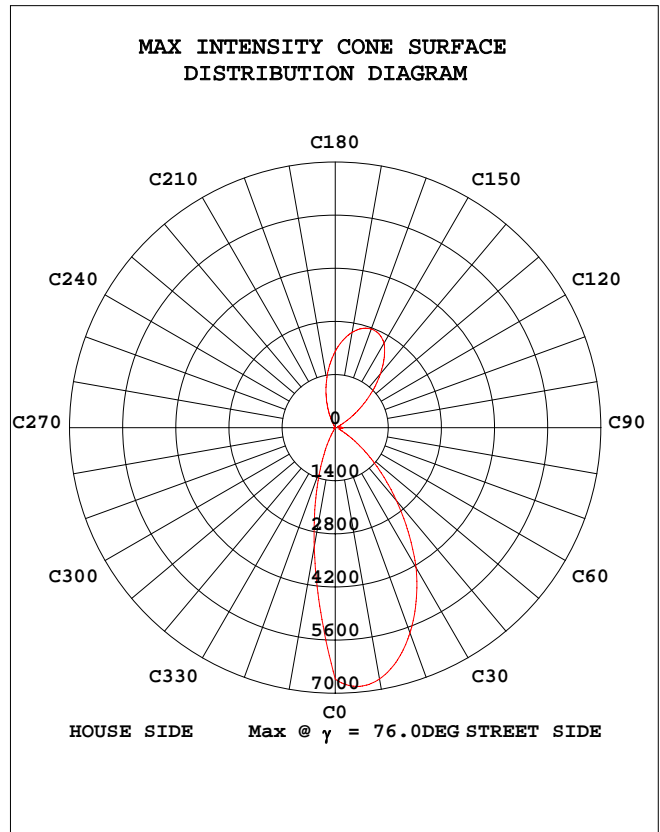
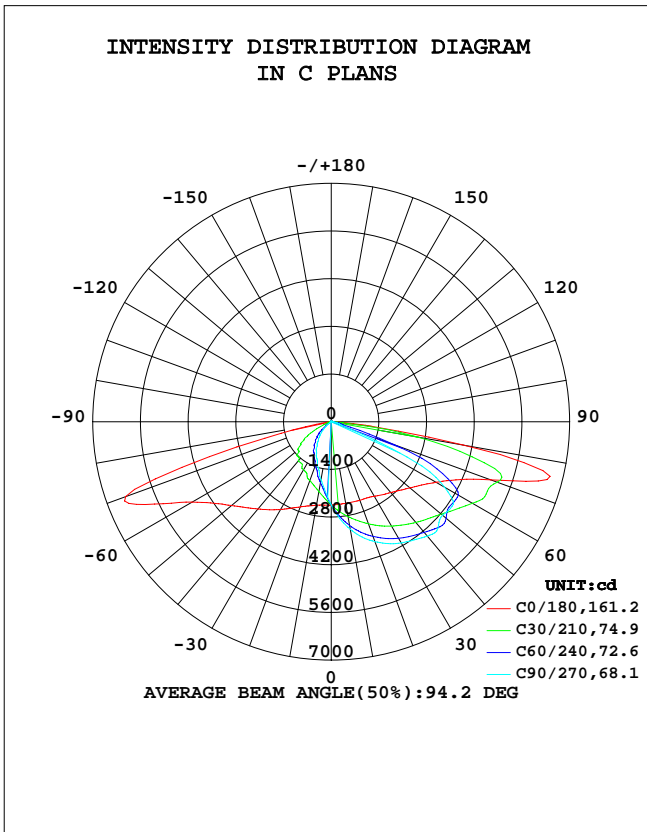


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
MFR.:	SUR.: 340*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.03 lm/W			
MODEL	TS-SL0710-100W-H3-1	I _{max} (cd)	6623	η street_up(%)	0.6
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	74.9
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12895	η house_up(%)	0.7
NOMINAL FLUX(lm)	12895	MAXIMUM @(C,γ)	0,76.0	η house_down(%)	23.8
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	23.395

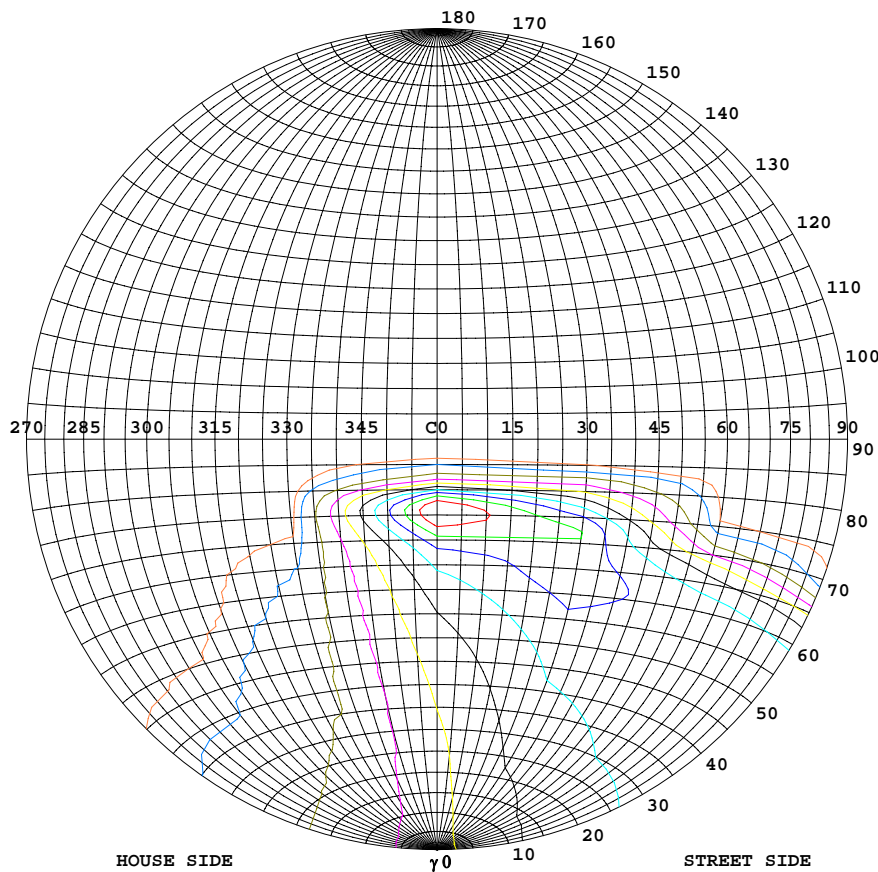


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 02 June 2021

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:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
MFR.:	SUR.: 340*315	Shielding Angle:



Classification:

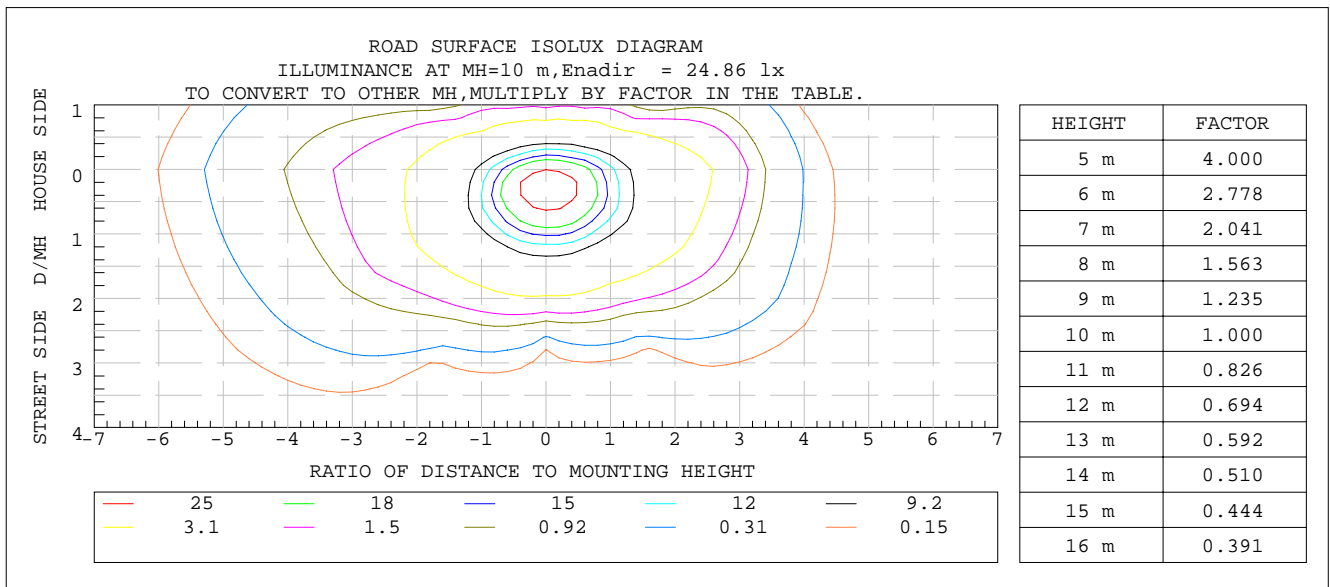
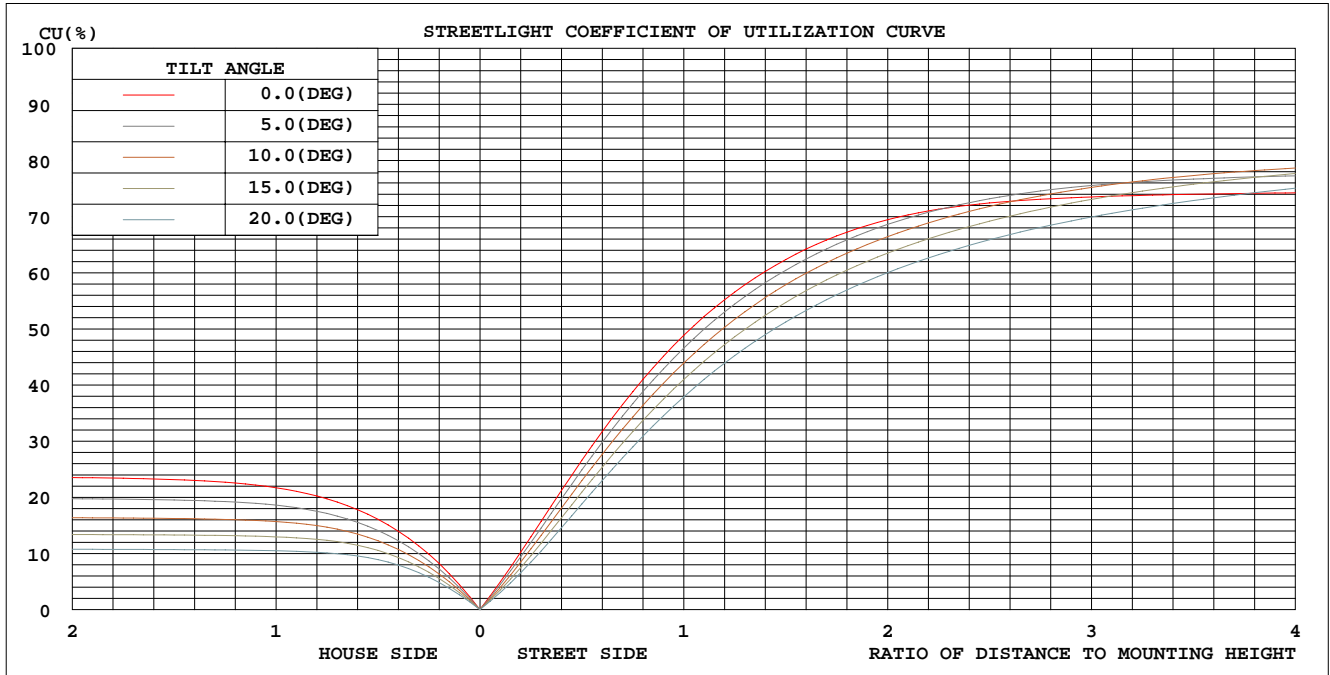
IES:Type III - Long
 CIE:Average - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:304.6cd/klm
 Max.At90:3.936cd/klm
 Max.80-90:304.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6623
90%	5961
80%	5298
70%	4636
60%	3974
50%	3312
40%	2649
30%	1987
20%	1325
10%	662
5%	331

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

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:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
MFR.:	SUR.: 340*315	Shielding Angle:

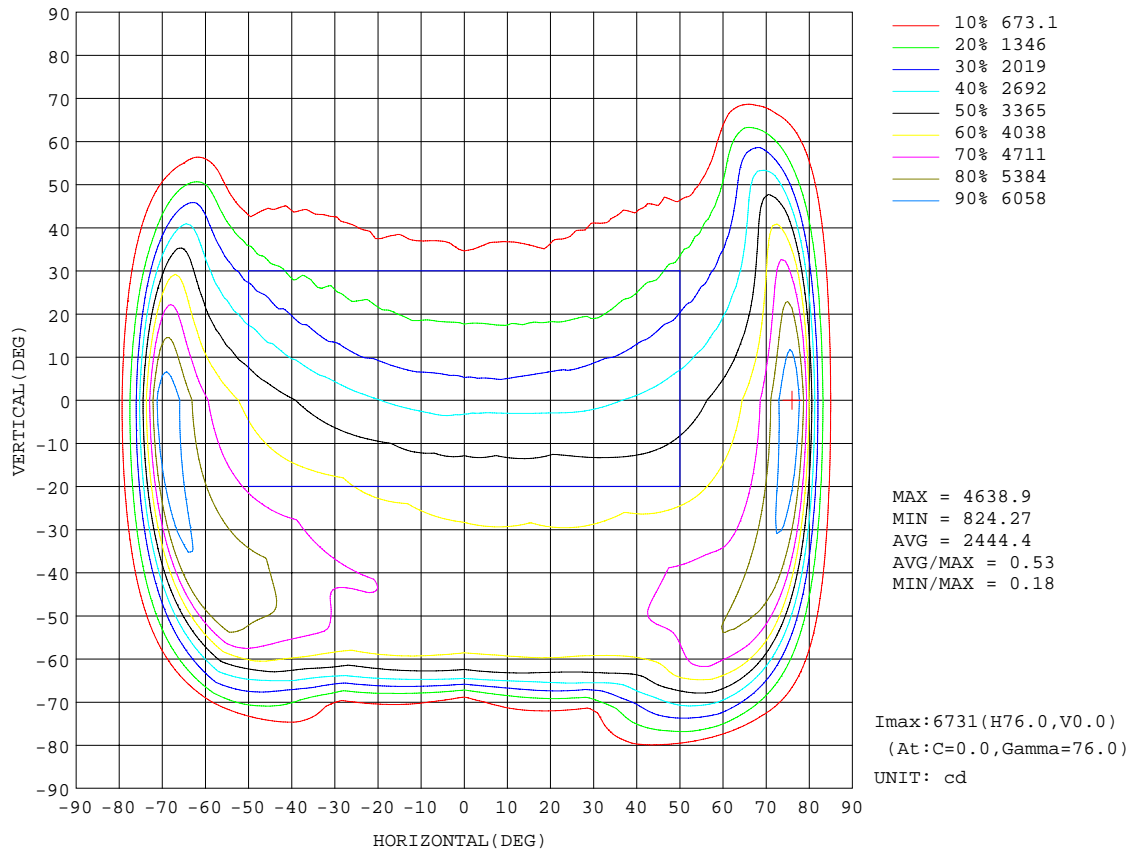
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2433	2956	3202	3015	2489	1953	1735	1917	0- 10	233.9	233.9	1.81,1.81
20	2455	3385	3746	3595	2663	1613	1204	1544	10- 20	707.5	941.4	7.3,7.3
30	2528	3745	4108	4081	2975	1331	828.7	1211	20- 30	1187	2128	16.5,16.5
40	2716	4052	4383	4510	3346	1119	519.3	959.7	30- 40	1659	3787	29.4,29.4
50	3022	4313	4272	4851	3829	826.4	201.7	728.3	40- 50	2108	5895	45.7,45.7
60	3561	4550	3844	5092	4721	411.0	28.20	433.1	50- 60	2458	8353	64.8,64.8
70	4987	3577	423.5	3428	6423	94.46	16.54	210.6	60- 70	2549	10902	84.5,84.5
80	3927	1398	128.7	326.8	452.5	33.26	19.16	52.49	70- 80	1606	12508	97,97
90	31.23	50.44	49.30	32.91	26.06	22.95	18.79	28.64	80- 90	221.3	12729	98.7,98.7
100	25.97	26.62	28.35	27.10	33.06	25.90	21.12	27.71	90-100	30.51	12760	99,99
110	30.74	22.79	20.91	23.55	30.73	29.63	24.62	31.50	100-110	28.47	12788	99.2,99.2
120	30.10	20.99	16.98	21.11	28.46	29.73	28.29	32.86	110-120	26.31	12814	99.4,99.4
130	28.01	20.31	16.52	19.64	27.79	29.21	29.42	33.11	120-130	23.11	12838	99.6,99.6
140	27.70	20.68	17.14	19.83	27.67	29.35	28.45	32.85	130-140	19.75	12857	99.7,99.7
150	27.48	21.20	18.46	20.77	25.71	29.23	28.97	32.12	140-150	16.09	12873	99.8,99.8
160	26.36	21.92	20.58	22.83	25.33	28.21	28.92	31.12	150-160	11.89	12885	99.9,99.9
170	25.73	23.40	23.11	24.91	25.05	26.69	27.18	29.07	160-170	7.334	12893	100,100
180	25.13	24.93	25.01	26.30	25.24	24.93	24.95	26.30	170-180	2.441	12895	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

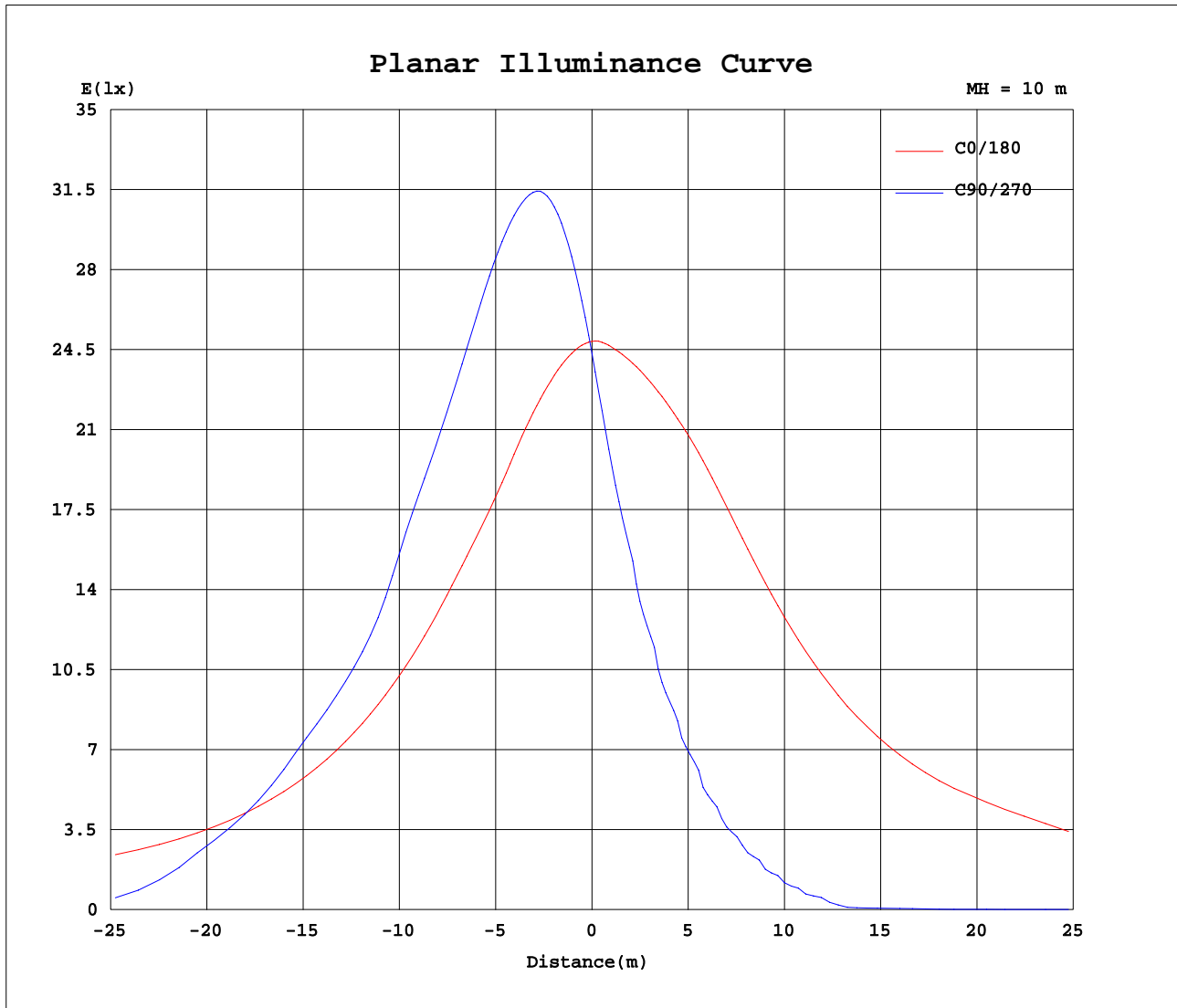
Test:U:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
MFR.:	SUR.: 340*315	Shielding Angle:



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



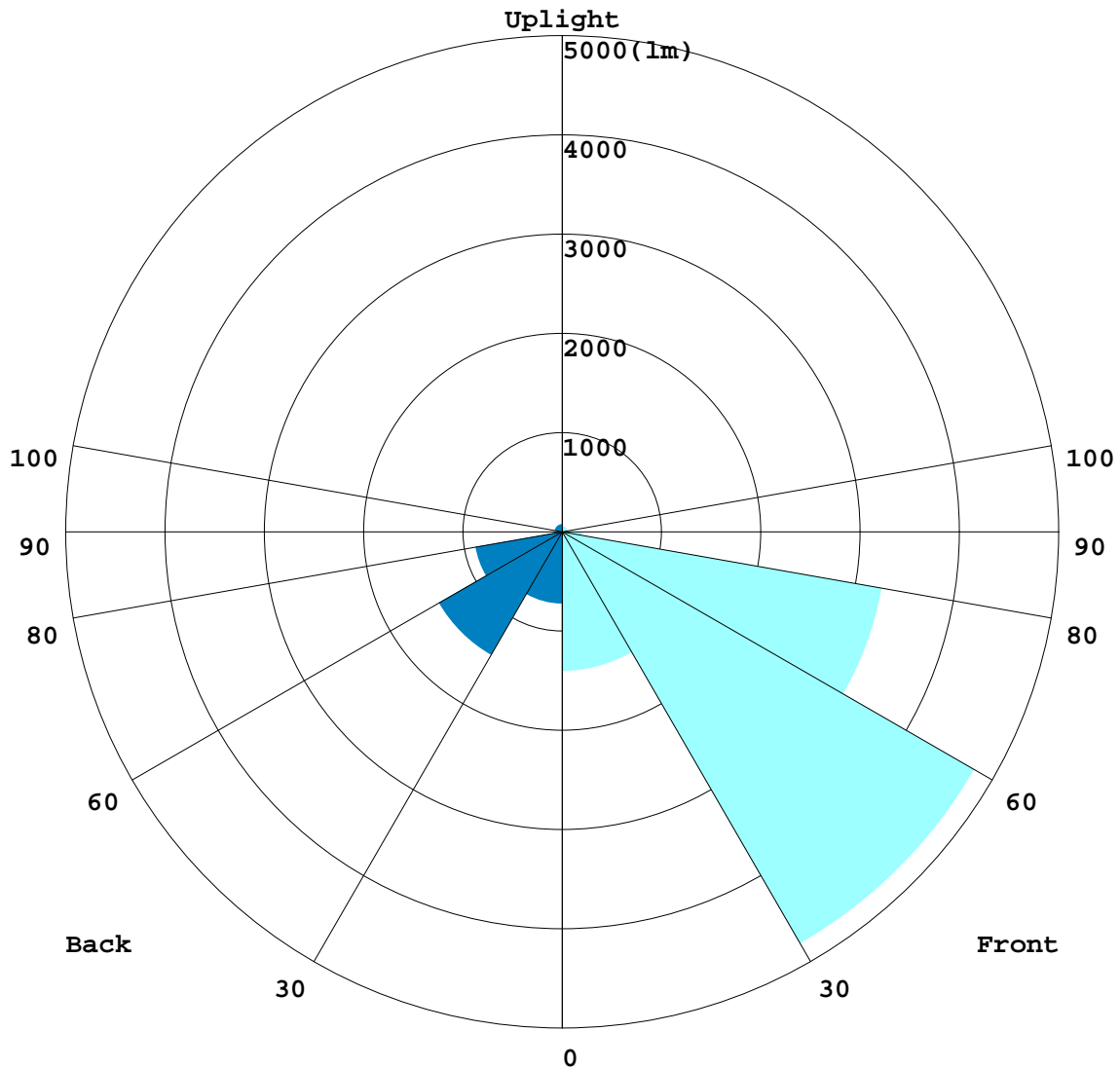
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 02 June 2021

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:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
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

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:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
MFR.:	SUR.: 340*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1403	10.9
FM - Front-Medium(30-60)	4792.4	37.2
FH - Front-High(60-80)	3267.7	25.3
FVH - Front-Very High(80-90)	199.63	1.5
Total Forward Light	9738.3	75.5

BL - Back-Low(0-30)	724.89	5.6
BM - Back-Medium(30-60)	1433	11.1
BH - Back-High(60-80)	886.83	6.9
BVH - Back-Very High(80-90)	21.665	0.2
Total Back Light	3156.8	24.5

UL - Uplight-Low(90-100)	30.506	0.2
UH - Uplight-High(100-180)	135.4	1.1
Total Up Light	165.9	1.3

BUG(Back,Up,Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3066.4	90.382	3156.8
Street Side	9662.7	75.522	9738.3

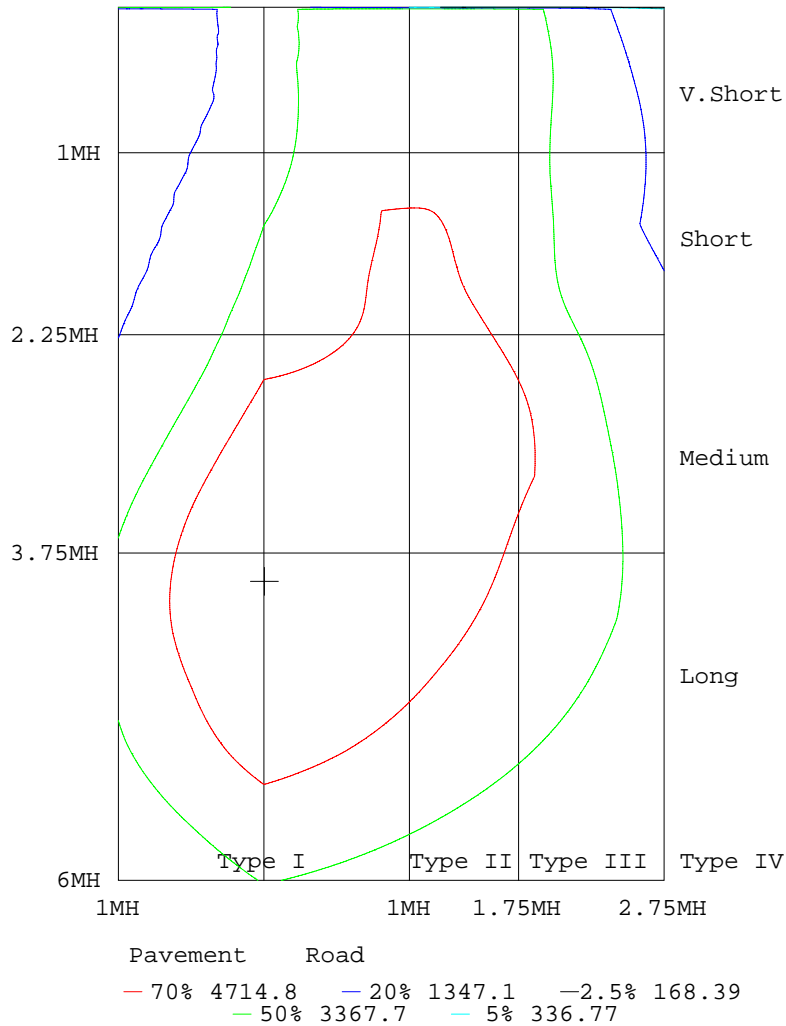
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 June 2021

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:

ROAD ISOCANDELA REPORT

Test:U:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
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:120.00V I:0.8533A P:102.32W PF:0.9992 Freq:59.98Hz Lamp Flux:12895x1 lm		
NAME: TS-SL0710-100W-H3-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602002
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	2447	2447	2447	2447	2447	2447	2447	2447	2447	2447	2447	2447							
5	2436	2638	2780	2845	2794	2659	2457	2255	2107	2048	2093	2232							
10	2433	2824	3088	3202	3129	2899	2489	2085	1820	1735	1800	2036							
15	2440	3005	3358	3506	3452	3172	2559	1947	1568	1442	1533	1875							
20	2455	3189	3582	3746	3734	3454	2663	1842	1384	1204	1353	1737							
25	2471	3371	3779	3948	3977	3724	2803	1690	1186	1015	1141	1562							
30	2528	3537	3953	4108	4190	3970	2975	1630	1030	829	969	1456							
35	2618	3697	4097	4237	4368	4216	3155	1507	869	661	804	1341							
40	2716	3861	4243	4383	4551	4469	3346	1509	727	519	658	1264							
45	2850	4026	4407	4428	4733	4719	3562	1417	540	336	529	1176							
50	3022	4222	4405	4272	4680	5023	3829	1284	368	202	362	1098							
55	3242	4480	4279	4332	4506	5396	4183	1073	145	39.3	221	1030							
60	3561	4789	4311	3844	4353	5838	4721	779	41.6	28.2	44.0	826							
65	4040	5023	3610	2456	3337	5912	5718	405	21.9	16.9	32.2	691							
70	4987	5192	1956	423	1404	5472	6423	168	20.9	16.5	22.3	401							
75	6560	4653	373	234	268	3045	2866	78.4	20.9	17.3	22.5	195							
80	3927	2555	237	129	151	505	453	44.7	21.8	19.2	23.7	81.6							
85	649	346	82.3	59.4	62.1	62.7	35.5	31.4	24.4	24.1	26.5	48.4							
90	31.2	50.1	50.8	49.3	35.9	29.9	26.1	25.4	20.5	18.8	23.7	33.6							
95	24.2	27.8	32.5	33.4	30.1	28.1	29.6	26.4	21.3	20.2	24.7	27.8							
100	26.0	25.6	27.6	28.3	25.9	28.3	33.1	29.1	22.7	21.1	25.6	29.8							
105	28.5	24.8	23.9	24.3	22.5	28.4	32.3	31.2	24.9	22.3	27.3	32.7							
110	30.7	24.6	21.0	20.9	19.8	27.3	30.7	31.8	27.5	24.6	29.4	33.6							
115	31.4	24.4	18.7	18.3	18.2	26.2	29.3	31.1	28.9	27.0	30.9	33.8							
120	30.1	24.0	18.0	17.0	17.5	24.8	28.5	30.1	29.3	28.3	32.0	33.8							
125	28.8	23.5	17.5	16.6	16.9	23.5	27.9	29.3	29.1	29.1	32.8	33.4							
130	28.0	23.2	17.4	16.5	16.7	22.6	27.8	29.4	29.1	29.4	33.0	33.2							
135	27.7	23.3	17.5	16.7	16.8	22.4	28.0	29.6	28.9	29.0	32.9	33.1							
140	27.7	23.5	17.8	17.1	17.2	22.5	27.7	29.6	29.1	28.4	32.6	33.2							
145	27.9	23.6	18.4	17.7	17.7	22.8	26.6	29.3	29.5	28.7	32.6	32.9							
150	27.5	23.4	19.0	18.5	18.5	23.0	25.7	28.7	29.7	29.0	32.3	31.9							
155	26.9	23.0	19.8	19.4	19.6	23.6	25.5	28.1	29.7	29.3	32.2	31.2							
160	26.4	23.0	20.8	20.6	21.1	24.6	25.3	27.4	29.1	28.9	31.7	30.5							
165	26.2	23.3	22.0	21.9	22.5	25.6	25.3	26.7	28.4	28.3	30.9	30.1							
170	25.7	23.7	23.1	23.1	23.7	26.2	25.0	26.1	27.3	27.2	29.4	28.7							
175	25.3	24.0	24.3	24.1	24.8	26.5	24.9	25.3	26.1	25.8	27.4	27.3							
180	25.1	24.6	25.2	25.0	25.9	26.7	25.2	24.6	25.3	24.9	25.9	26.7							

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: