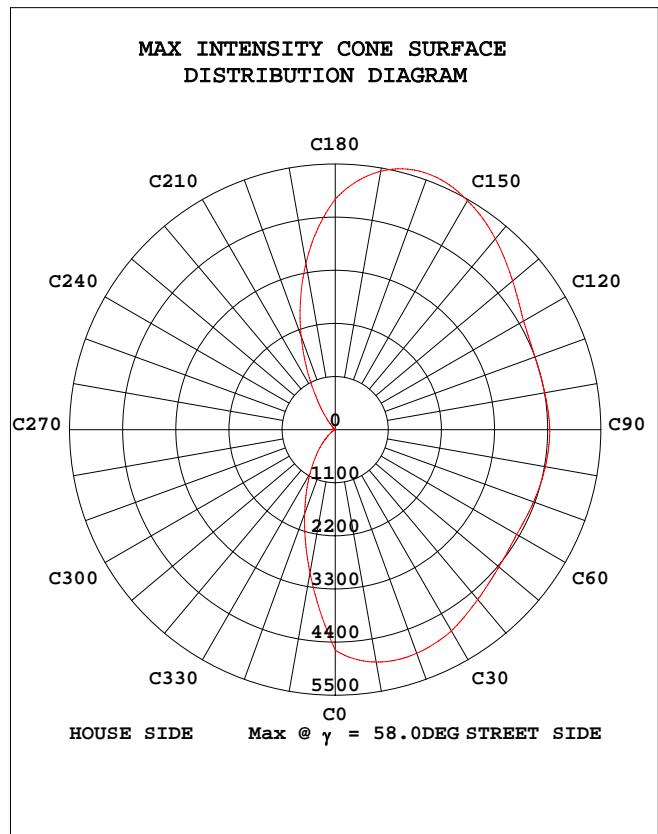
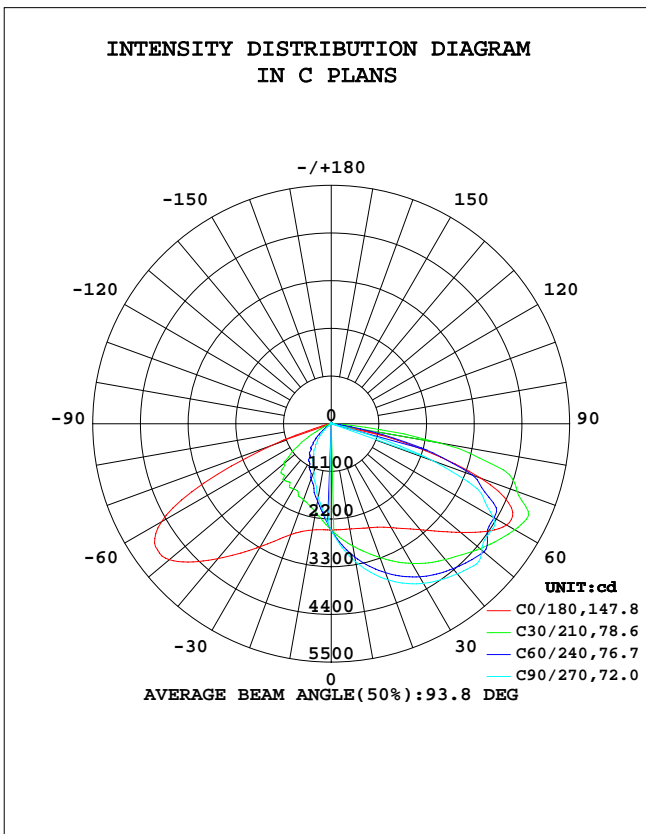


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
MFR.:	SUR.: 340*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.88 lm/W			
MODEL	TS-SL0710-100W-H4-1	I _{max} (cd)	5476	η street_up(%)	0.6
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	77.2
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12787	η house_up(%)	0.7
NOMINAL FLUX(lm)	12787.3	MAXIMUM @(C,γ)	150,58.0	η house_down(%)	21.5
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	19.870

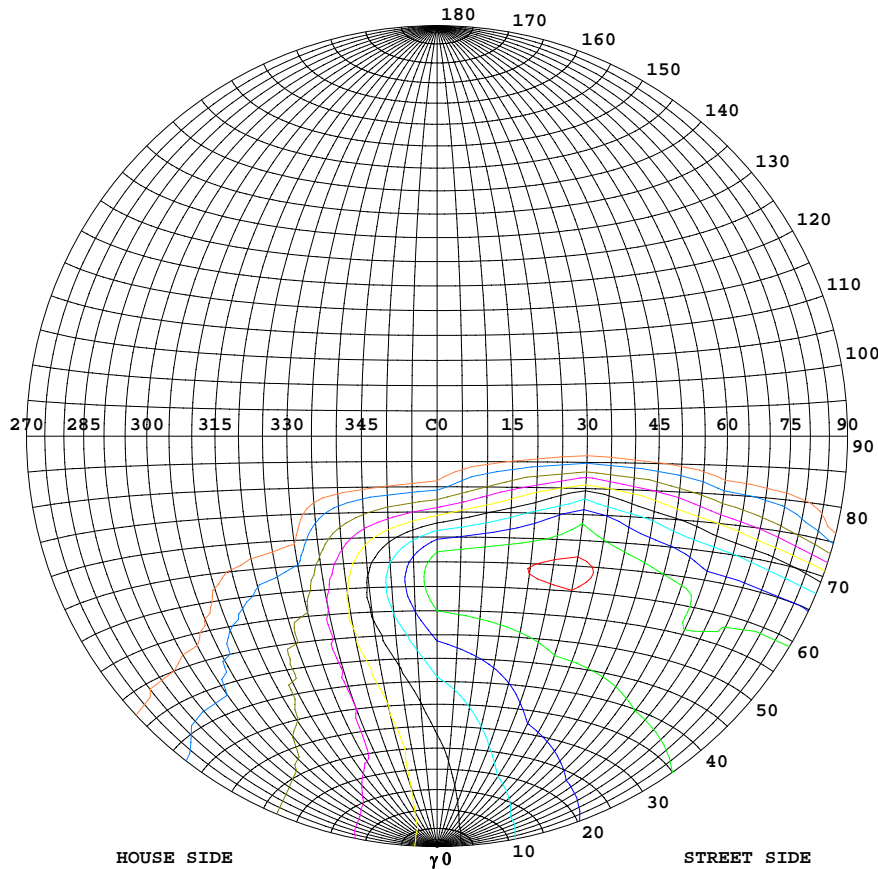


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:02 June 2021

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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
MFR.:	SUR.: 340*315	Shielding Angle:



Classification:

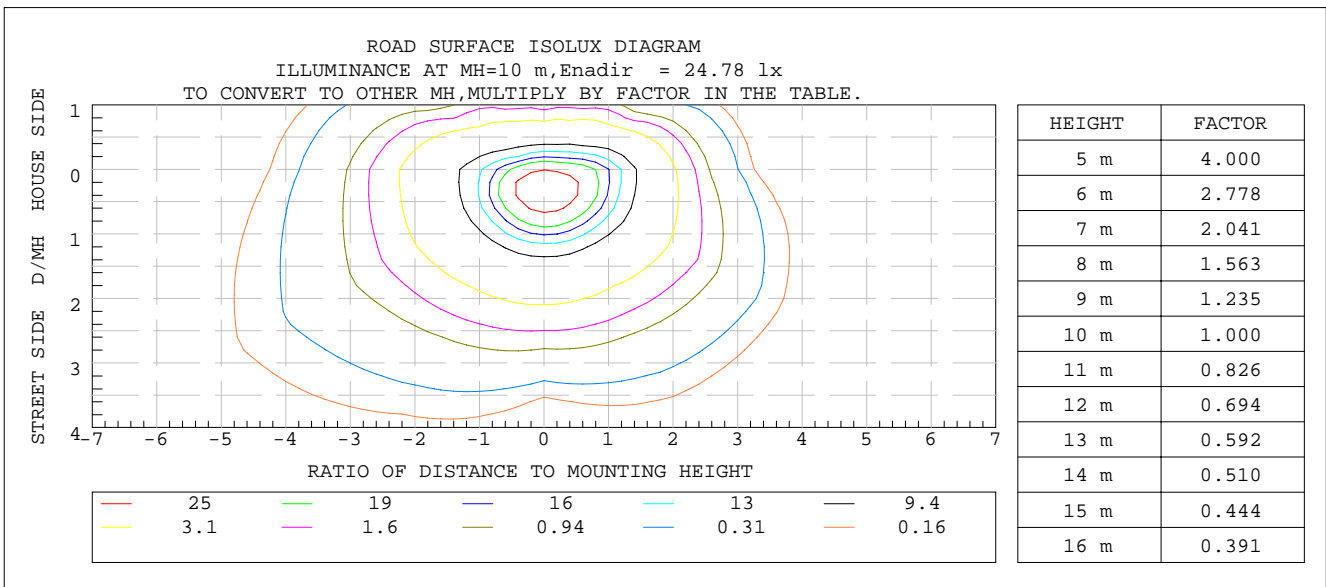
IES:Type III - Short
 CIE:Average - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:196.4cd/klm
 Max.At90:3.498cd/klm
 Max.80-90:196.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5476
90%	4928
80%	4381
70%	3833
60%	3285
50%	2738
40%	2190
30%	1643
20%	1095
10%	548
5%	274

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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
MFR.:	SUR.: 340*315	Shielding Angle:

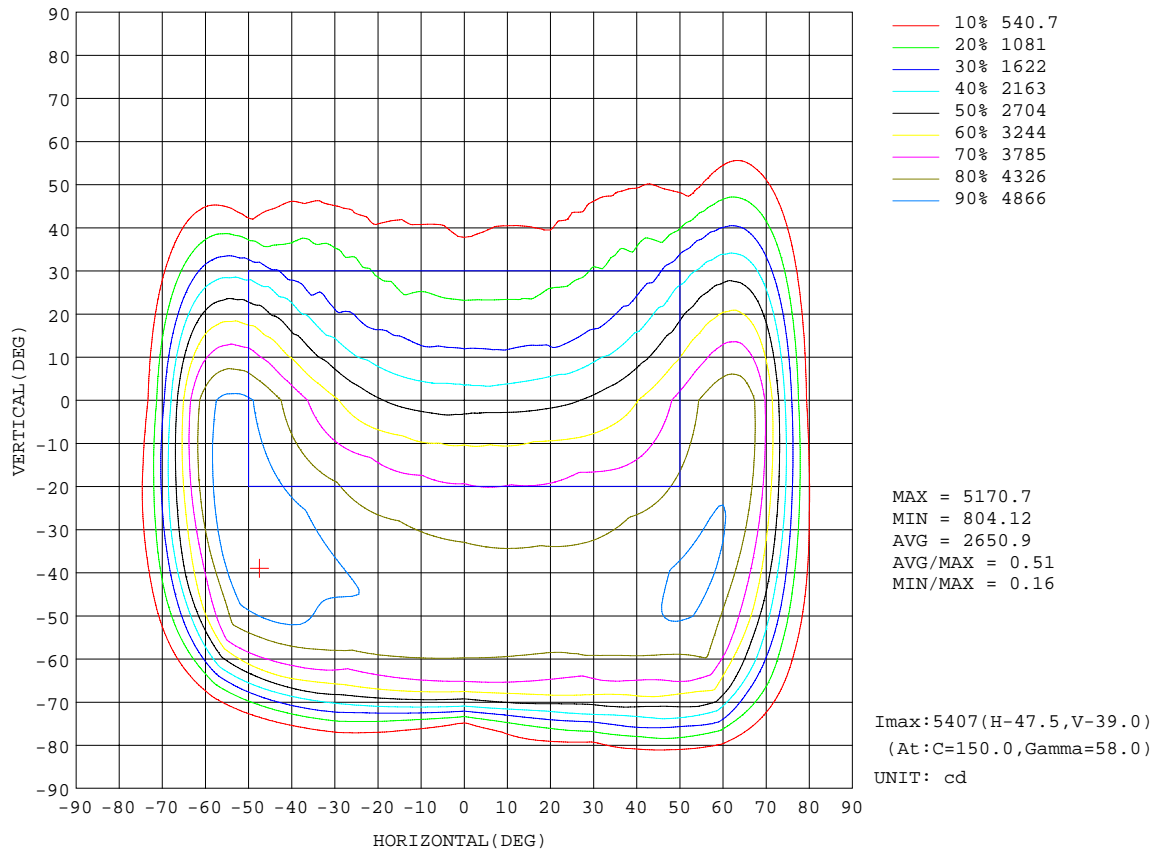
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	2466	2991	3231	3043	2490	1947	1730	1930	0- 10	235.0	235.0	1.84,1.84
20	2554	3469	3831	3665	2721	1616	1179	1546	10- 20	715.3	950.3	7.43,7.43
30	2767	3899	4252	4198	3275	1377	807.0	1228	20- 30	1222	2172	17,17
40	3193	4228	4521	4672	4059	1220	493.3	1022	30- 40	1756	3928	30.7,30.7
50	3902	4540	4536	5059	4880	891.3	155.9	784.6	40- 50	2291	6219	48.6,48.6
60	4672	4614	4317	4955	4520	324.1	31.82	459.4	50- 60	2643	8862	69.3,69.3
70	3671	4017	2471	3544	1462	63.22	17.37	126.7	60- 70	2462	11324	88.6,88.6
80	398.2	1599	103.6	353.4	73.96	30.26	20.42	43.87	70- 80	1162	12486	97.6,97.6
90	26.39	38.64	44.73	31.06	25.11	22.78	20.40	26.68	80- 90	136.9	12623	98.7,98.7
100	24.78	25.62	27.86	26.30	27.16	26.24	22.88	26.65	90-100	29.06	12652	98.9,98.9
110	26.68	22.72	21.54	23.52	28.57	29.67	27.71	30.84	100-110	27.85	12680	99.2,99.2
120	27.64	20.91	17.58	21.75	27.94	30.69	30.15	33.00	110-120	26.25	12706	99.4,99.4
130	26.55	20.28	16.90	20.50	26.87	30.40	30.95	32.88	120-130	23.39	12729	99.5,99.5
140	25.98	20.42	17.42	20.03	26.49	30.36	30.42	32.62	130-140	19.85	12749	99.7,99.7
150	26.27	21.16	18.74	21.00	26.12	29.89	30.52	32.27	140-150	16.15	12765	99.8,99.8
160	26.80	22.38	20.93	23.38	25.72	28.77	29.91	31.86	150-160	12.09	12777	99.9,99.9
170	26.21	24.05	23.56	25.56	25.09	27.32	28.00	29.81	160-170	7.502	12785	100,100
180	25.54	25.57	25.54	26.96	25.59	25.57	25.51	26.97	170-180	2.498	12787	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

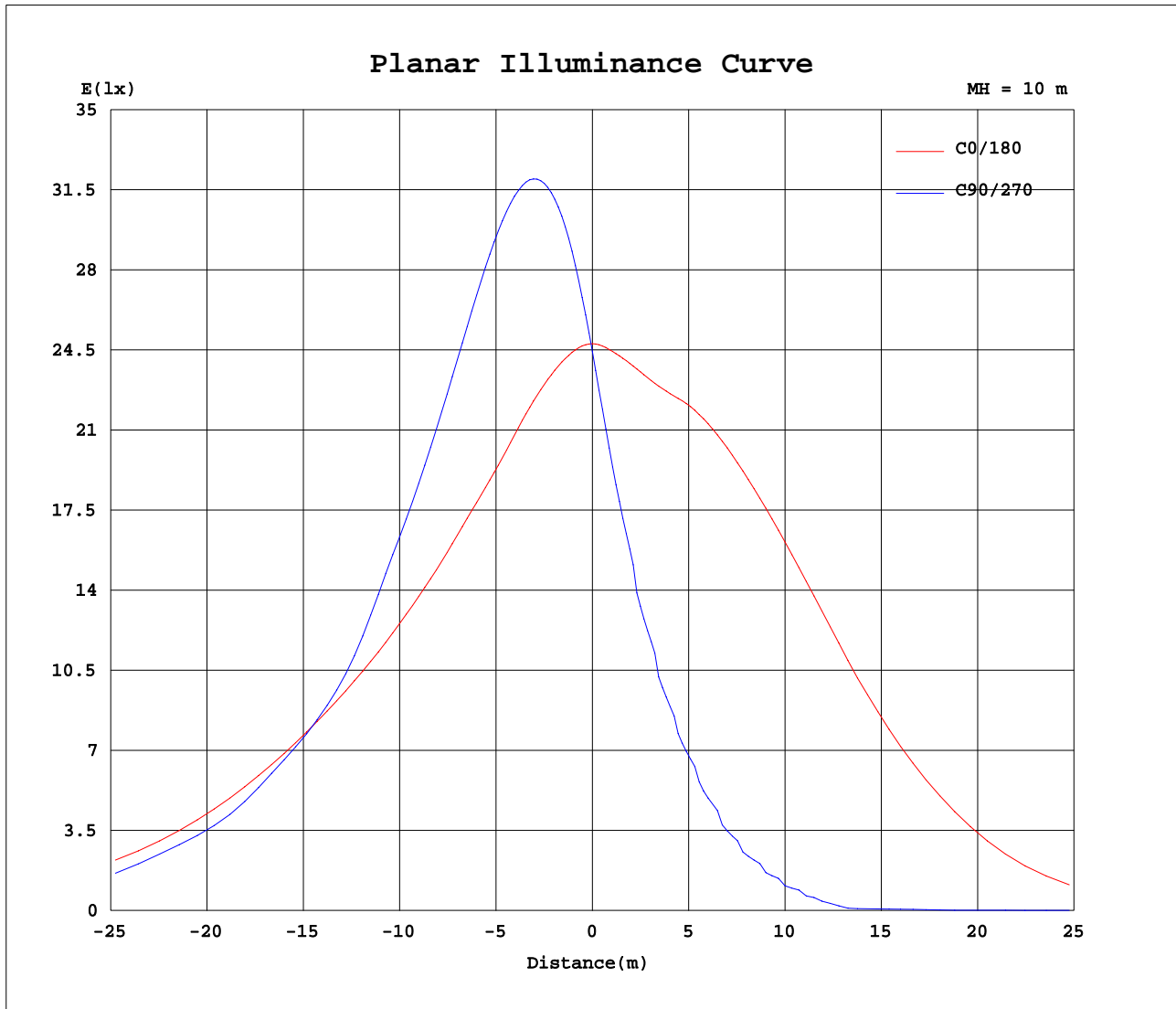
Test:U:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
MFR.:	SUR.: 340*315	Shielding Angle:



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



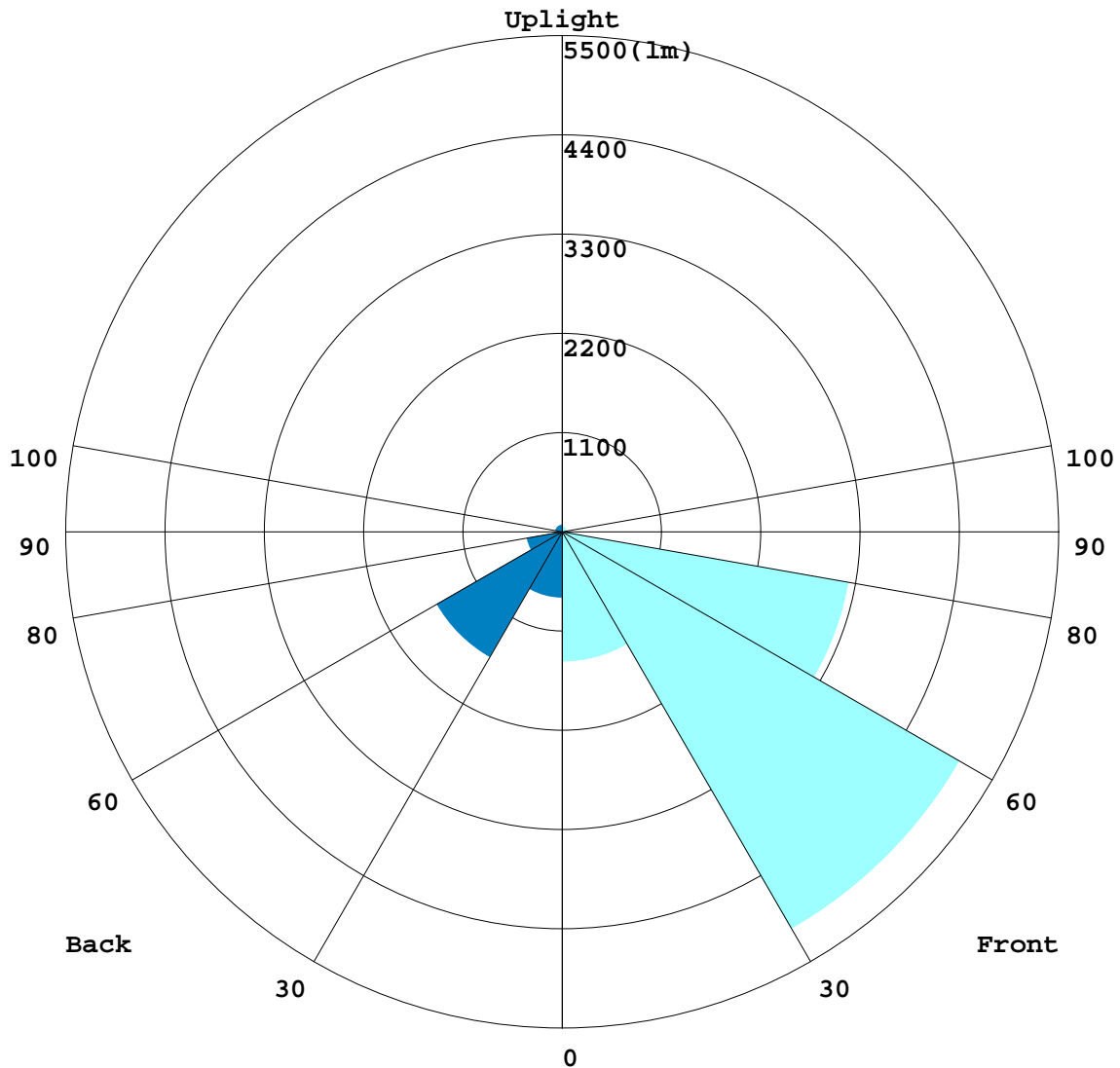
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 02 June 2021

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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
MFR.:	SUR.: 340*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1440.4	11.3
FM - Front-Medium(30-60)	5084.3	39.8
FH - Front-High(60-80)	3224.5	25.2
FVH - Front-Very High(80-90)	121.06	0.9
Total Forward Light	9944.2	77.8

BL - Back-Low(0-30)	732.04	5.7
BM - Back-Medium(30-60)	1605.3	12.6
BH - Back-High(60-80)	399.2	3.1
BVH - Back-Very High(80-90)	15.787	0.1
Total Back Light	2843.1	22.2

UL - Uplight-Low(90-100)	29.06	0.2
UH - Uplight-High(100-180)	135.58	1.1
Total Up Light	164.64	1.3

BUG(Back,Up,Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2752.3	90.714	2843.1
Street Side	9870.3	73.927	9944.2

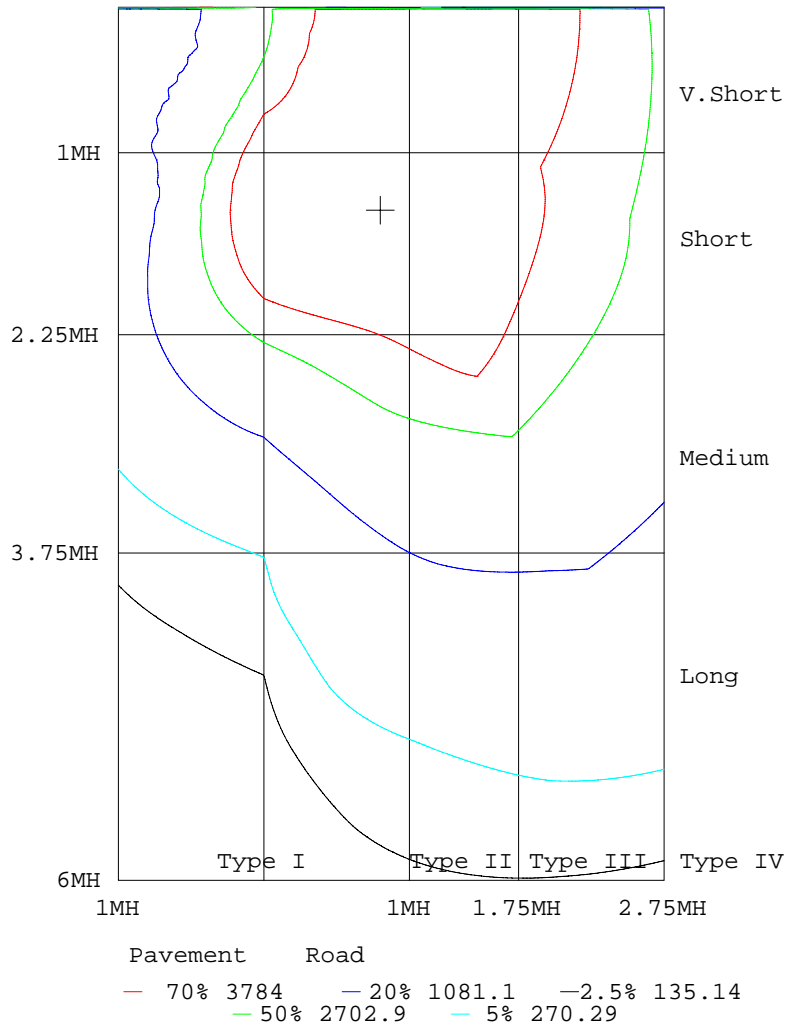
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:02 June 2021

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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
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:120.18V I:0.8460A P:101.59W PF:0.9992 Freq:59.98Hz Lamp Flux:12787.3x1 lm		
NAME: TS-SL0710-100W-H4-1	TYPE:	WEIGHT:
SPEC.: 340*315	DIM.:	SERIAL No.: 20210602005
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	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452	2452							
5	2453	2658	2801	2861	2808	2665	2455	2249	2104	2052	2100	2243							
10	2466	2862	3120	3231	3165	2920	2490	2077	1816	1730	1805	2056							
15	2500	3068	3402	3552	3505	3208	2571	1951	1542	1421	1505	1899							
20	2554	3283	3656	3831	3814	3516	2721	1868	1363	1179	1333	1760							
25	2631	3509	3882	4065	4077	3815	2962	1801	1171	987	1122	1573							
30	2767	3721	4077	4252	4293	4102	3275	1735	1019	807	953	1505							
35	2956	3916	4235	4397	4472	4403	3641	1658	868	637	800	1389							
40	3193	4091	4366	4521	4628	4716	4059	1708	732	493	658	1388							
45	3512	4272	4489	4636	4768	4999	4508	1629	522	308	527	1333							
50	3902	4482	4598	4536	4862	5258	4880	1425	357	156	334	1238							
55	4336	4689	4392	4435	4568	5439	4948	1088	133	41.8	201	1163							
60	4672	4890	4338	4317	4454	5459	4520	604	43.6	31.8	44.9	877							
65	4589	5018	4015	3827	3857	4991	3239	252	21.7	17.0	34.1	564							
70	3671	4560	3474	2471	2954	4138	1462	106	20.8	17.4	21.8	232							
75	1917	4114	2158	488	1536	2185	281	63.2	21.0	18.5	22.2	116							
80	398	2511	685	104	340	367	74.0	38.6	22.0	20.4	23.2	64.7							
85	81.6	491	99.3	53.2	50.3	36.7	28.3	27.5	23.9	25.6	24.9	41.0							
90	26.4	33.3	44.0	44.7	33.7	28.4	25.1	24.0	21.6	20.4	22.5	30.9							
95	23.5	26.3	30.0	31.8	29.4	27.2	25.7	25.4	22.8	21.4	23.7	26.4							
100	24.8	25.1	26.2	27.9	26.2	26.4	27.2	27.5	24.9	22.9	25.6	27.7							
105	25.9	24.5	23.6	24.6	23.6	26.1	28.3	29.1	27.4	25.4	27.7	30.3							
110	26.7	24.2	21.3	21.5	21.2	25.8	28.6	30.1	29.2	27.7	29.6	32.1							
115	27.4	23.8	19.3	19.0	19.6	25.4	28.4	30.7	30.4	29.4	31.3	33.1							
120	27.6	23.2	18.6	17.6	18.8	24.7	27.9	30.8	30.6	30.1	32.5	33.5							
125	27.2	22.9	18.1	17.1	18.3	23.9	27.4	30.5	30.4	30.8	33.0	33.1							
130	26.6	22.6	17.9	16.9	18.0	23.0	26.9	30.4	30.5	31.0	33.1	32.7							
135	26.1	22.6	18.0	17.0	18.0	22.2	26.6	30.5	30.4	30.6	33.0	32.3							
140	26.0	22.7	18.1	17.4	18.1	21.9	26.5	30.3	30.4	30.4	33.1	32.1							
145	26.1	22.9	18.6	18.0	18.5	22.2	26.3	30.0	30.5	30.6	33.0	31.9							
150	26.3	23.1	19.2	18.7	19.1	22.9	26.1	29.5	30.3	30.5	32.8	31.8							
155	26.6	23.2	20.1	19.7	20.2	23.9	26.0	28.8	30.0	30.5	32.8	31.9							
160	26.8	23.6	21.2	20.9	21.7	25.1	25.7	28.1	29.4	29.9	32.2	31.5							
165	26.7	24.0	22.4	22.3	23.2	26.1	25.5	27.5	28.9	29.2	31.5	31.0							
170	26.2	24.5	23.6	23.6	24.3	26.8	25.1	26.8	27.8	28.0	29.9	29.7							
175	25.8	24.8	24.8	24.6	25.4	27.2	25.0	26.1	26.7	26.5	27.9	28.2							
180	25.5	25.4	25.8	25.5	26.4	27.5	25.6	25.3	25.8	25.5	26.5	27.5							

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: