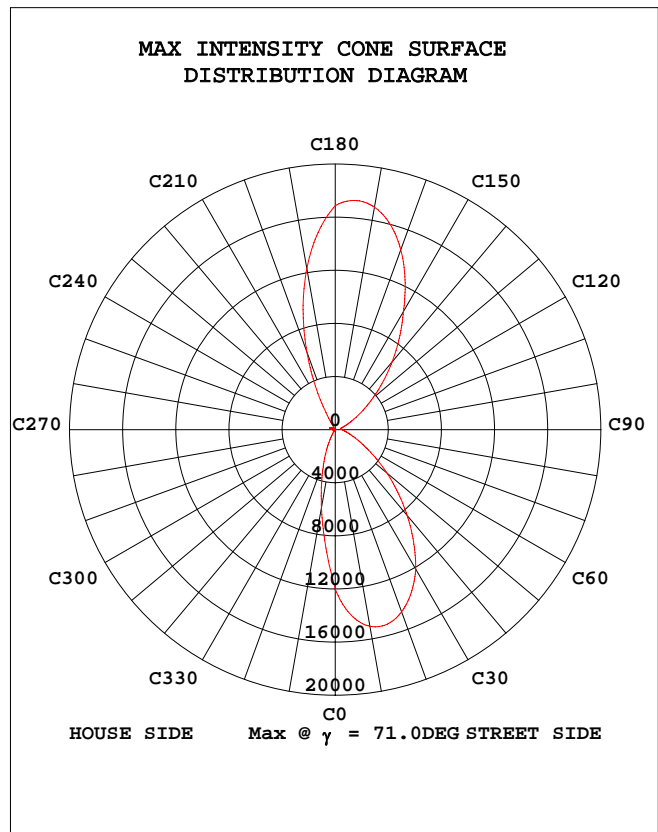
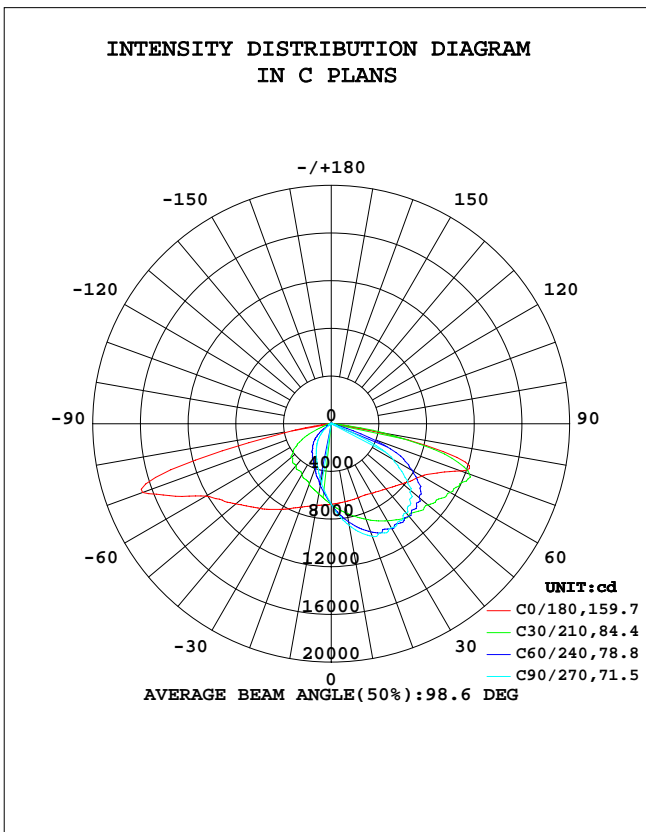


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.81 lm/W			
MODEL	TS-SL0730-300W-H3-1	I _{max} (cd)	16865	η street_up(%)	0.6
NOMINAL POWER(W)	300	LOR(%)	100.0	η street_down(%)	69.7
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	31134	η house_up(%)	0.7
NOMINAL FLUX(lm)	31133.9	MAXIMUM @(C,γ)	180,71.0	η house_down(%)	29.0
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	23.281

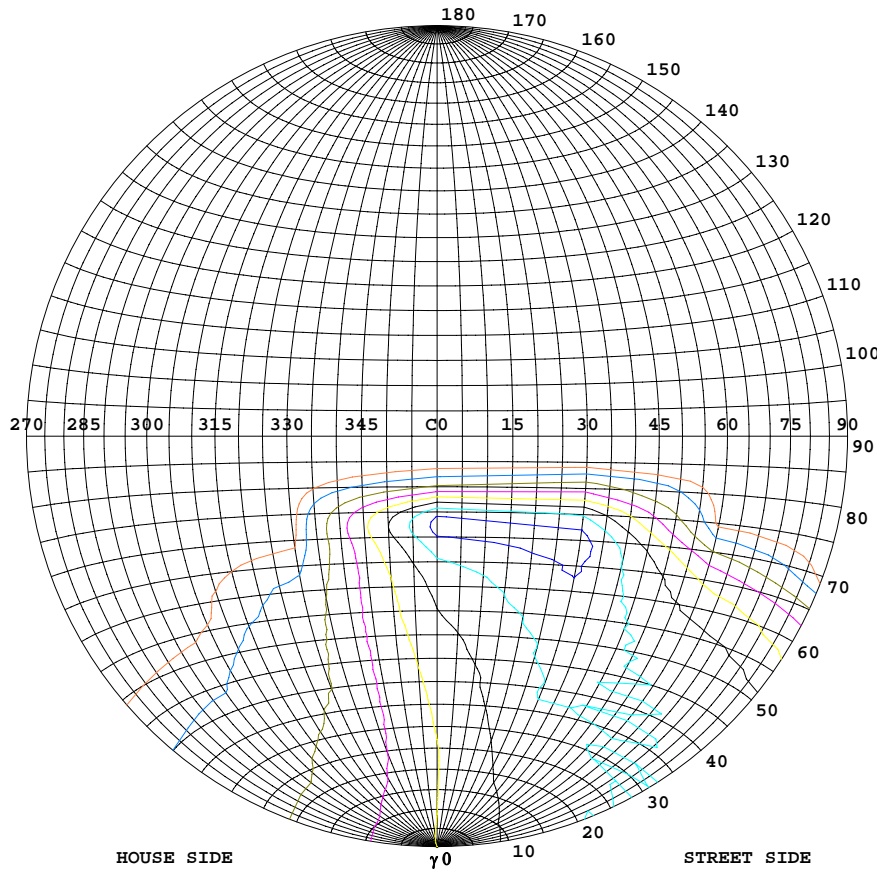


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2021

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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:



Classification:

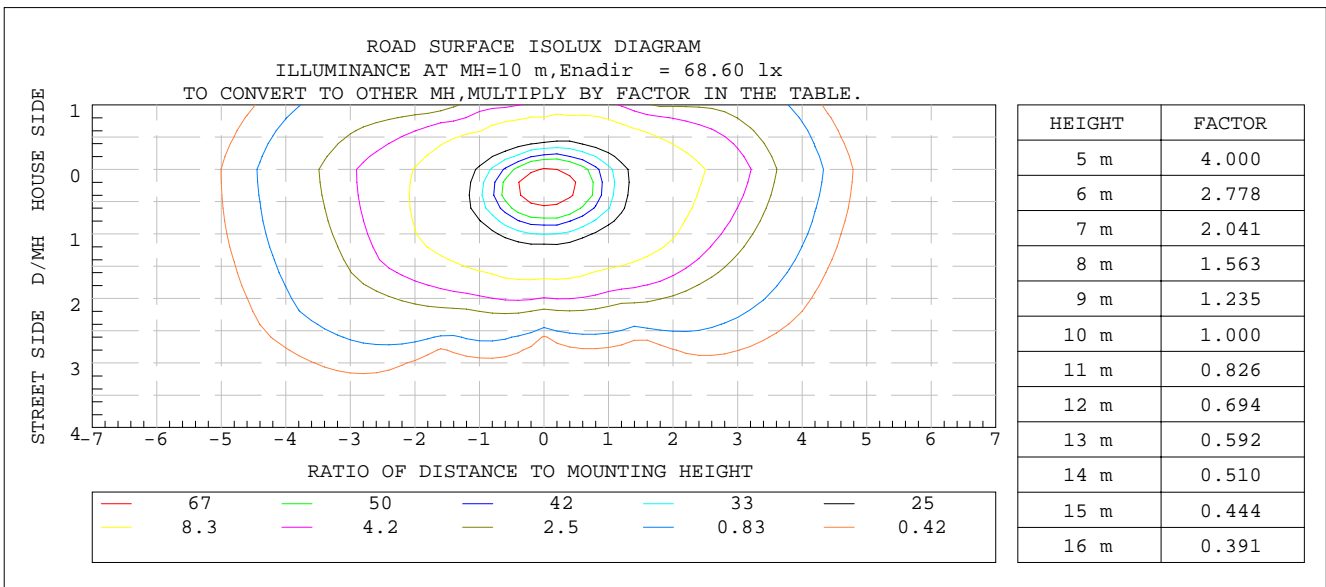
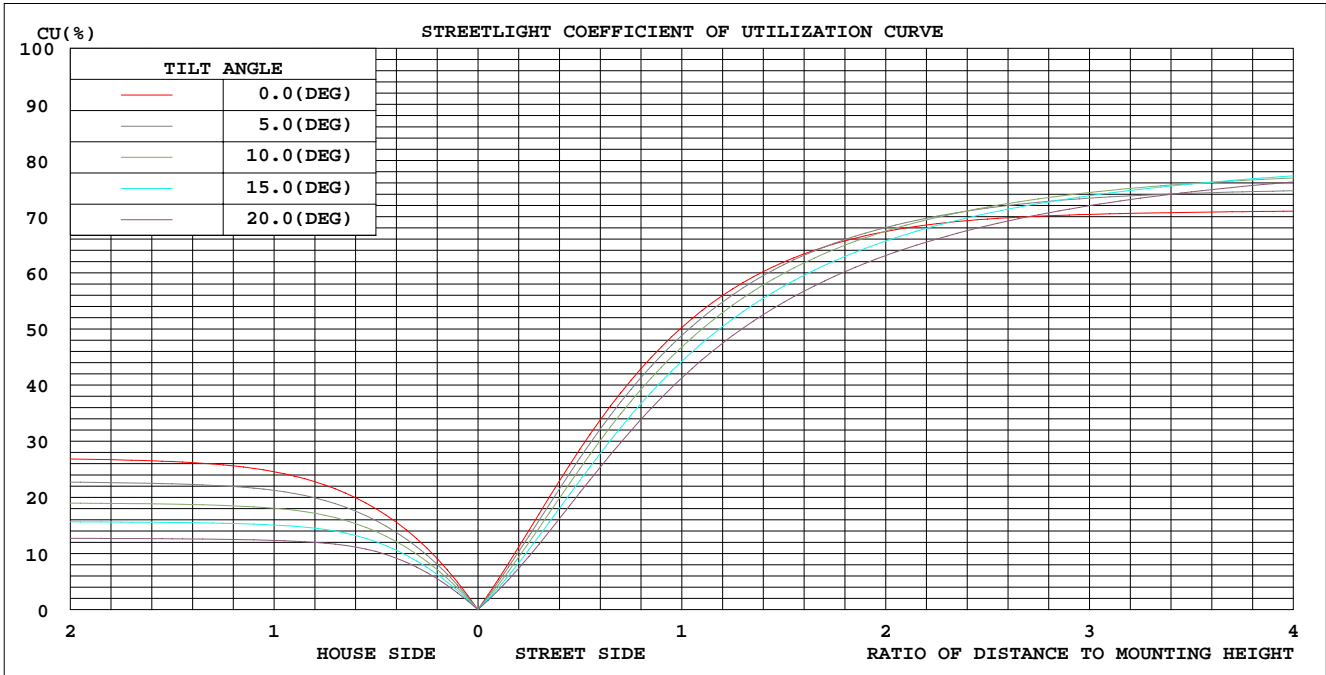
IES:Type II - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:143.3cd/klm
 Max.At90:3.181cd/klm
 Max.80-90:143.3cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16865
90%	15178
80%	13492
70%	11805
60%	10119
50%	8432
40%	6746
30%	5059
20%	3373
10%	1686
5%	843

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:08 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: 08 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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:

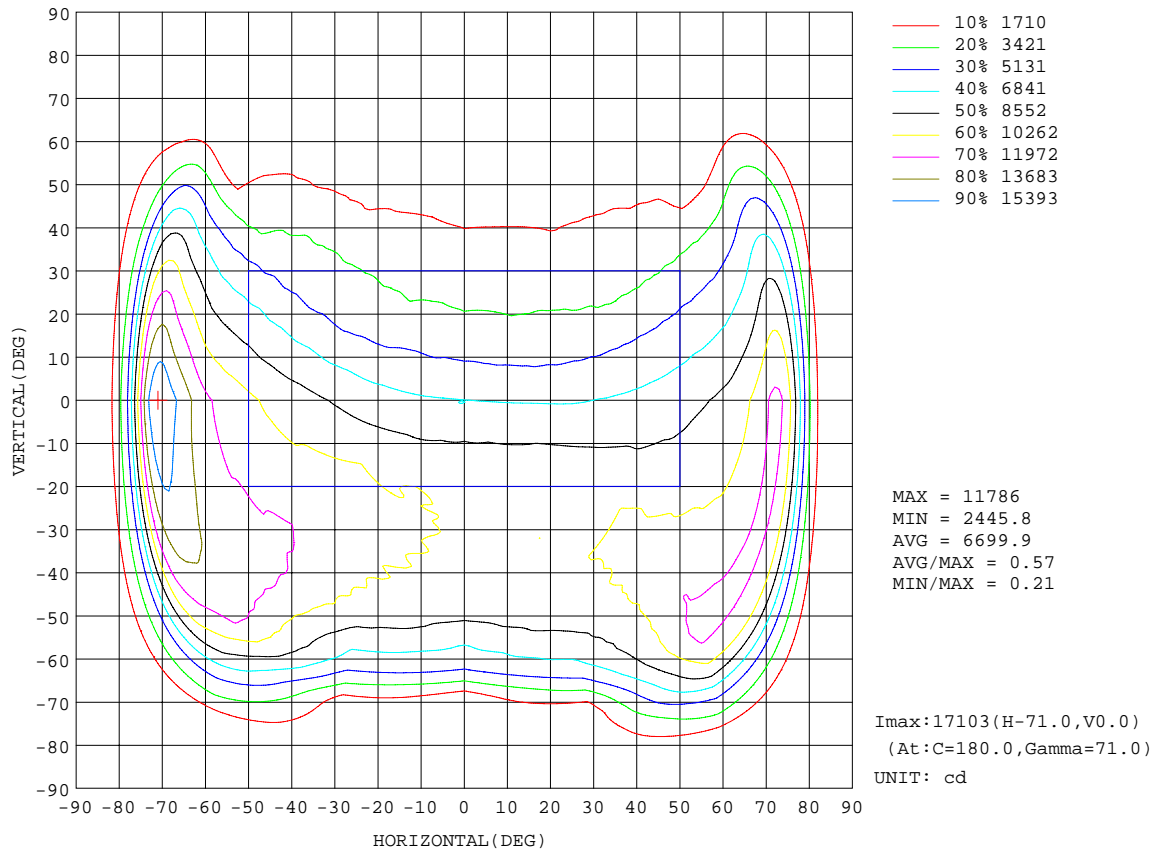
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	664.6	799.0	866.2	822.5	695.3	564.2	488.9	541.5	0- 10	647.9	647.9	2.08,2.08
20	660.1	908.3	1006	967.1	745.1	468.2	348.7	420.8	10- 20	1945	2593	8.33,8.33
30	675.2	978.4	1009	1068	828.7	404.9	252.3	332.4	20- 30	3208	5800	18.6,18.6
40	714.4	1014	976.2	1112	928.1	353.5	170.0	267.0	30- 40	4355	10155	32.6,32.6
50	782.6	1012	871.6	1120	1046	295.9	71.09	203.9	40- 50	5277	15432	49.6,49.6
60	879.3	972.2	602.0	1007	1216	177.4	23.25	125.9	50- 60	5758	21190	68.1,68.1
70	1159	787.0	63.18	667.0	1685	57.43	13.45	45.73	60- 70	5632	26822	86.2,86.2
80	356.5	241.5	21.15	123.8	305.6	17.99	6.936	16.91	70- 80	3539	30361	97.5,97.5
90	6.271	9.104	8.092	8.092	6.532	7.793	4.323	8.021	80- 90	378.9	30740	98.7,98.7
100	6.751	6.056	5.733	6.287	7.673	6.792	4.719	6.838	90-100	73.02	30813	99,99
110	7.418	5.508	4.597	5.601	7.441	6.999	5.416	6.980	100-110	66.89	30879	99.2,99.2
120	7.067	5.250	4.096	5.075	6.872	6.914	6.160	7.139	110-120	61.19	30941	99.4,99.4
130	6.699	5.140	4.095	4.817	6.671	6.824	6.584	7.311	120-130	54.17	30995	99.6,99.6
140	6.748	5.296	4.415	4.883	6.704	6.835	6.630	7.430	130-140	46.91	31042	99.7,99.7
150	6.767	5.445	4.770	5.163	6.367	6.925	6.757	7.397	140-150	38.72	31080	99.8,99.8
160	6.622	5.689	5.323	5.726	6.332	6.836	6.877	7.347	150-160	29.07	31109	99.9,99.9
170	6.513	6.029	5.982	6.288	6.335	6.608	6.658	7.068	160-170	18.23	31128	100,100
180	6.356	6.336	6.367	6.587	6.377	6.336	6.353	6.584	170-180	6.143	31134	100,100
DEG	LUMINOUS INTENSITY:X10cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 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

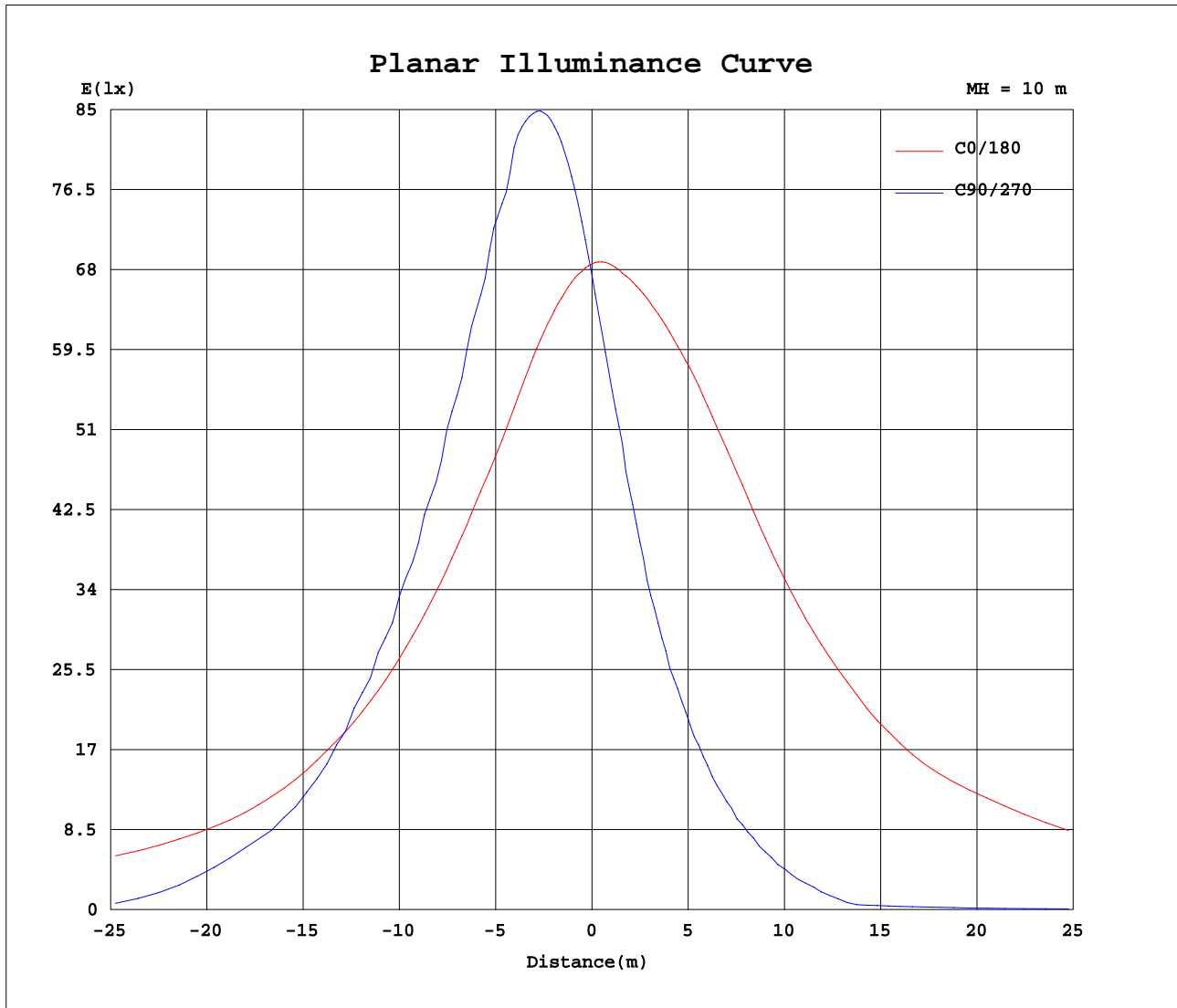
Test:U:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:08 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



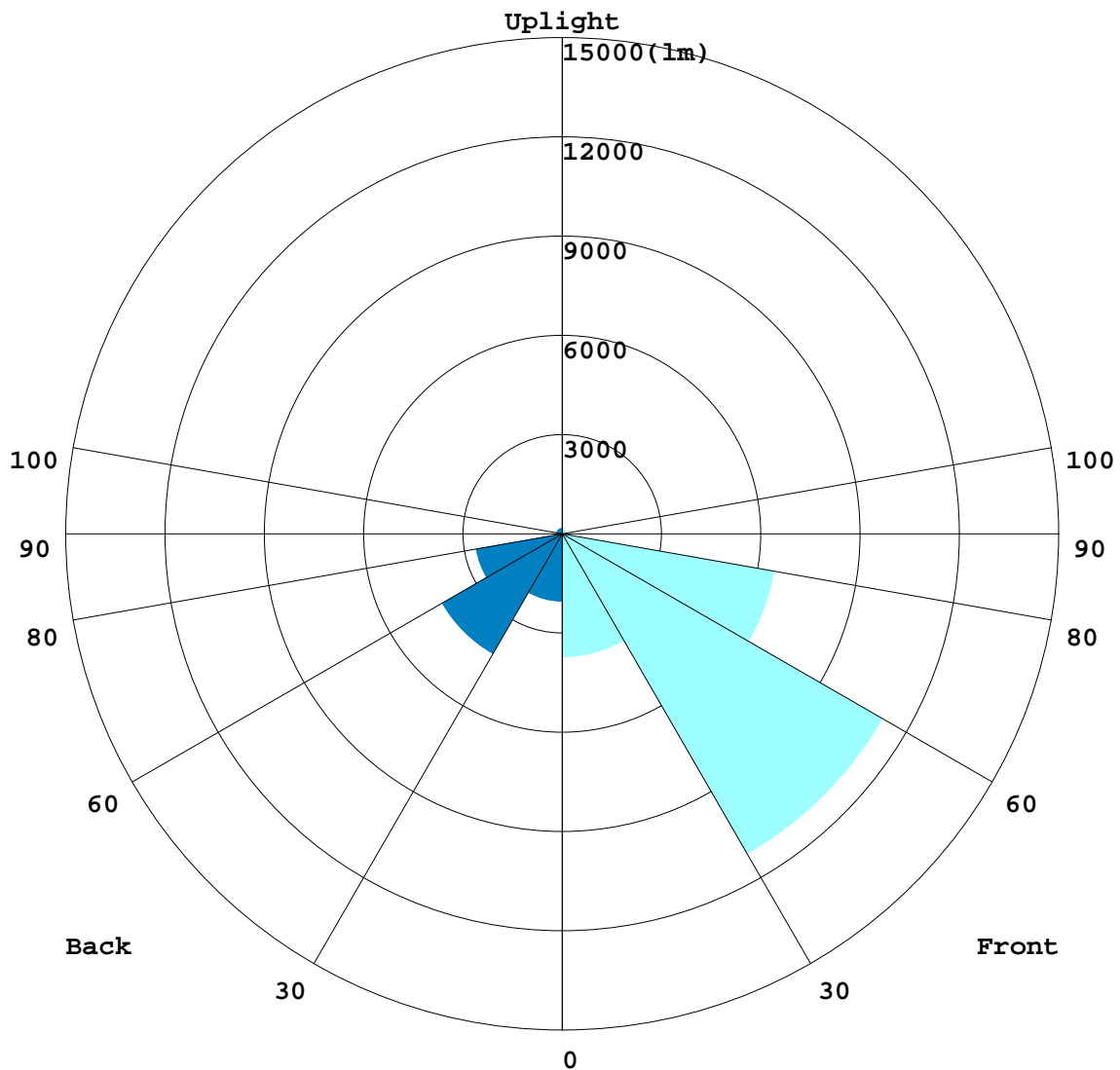
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2021

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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz		
Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*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:08 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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3740.1	12.0
FM - Front-Medium(30-60)	11188	35.9
FH - Front-High(60-80)	6518.3	20.9
FVH - Front-Very High(80-90)	264.65	0.9
Total Forward Light	21891	70.3

BL - Back-Low(0-30)	2060.3	6.6
BM - Back-Medium(30-60)	4201.8	13.5
BH - Back-High(60-80)	2652	8.5
BVH - Back-Very High(80-90)	114.23	0.4
Total Back Light	9242.7	29.7

UL - Uplight-Low(90-100)	73.018	0.2
UH - Uplight-High(100-180)	321.33	1.0
Total Up Light	394.34	1.3

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9028.3	214.38	9242.7
Street Side	21711	179.96	21891

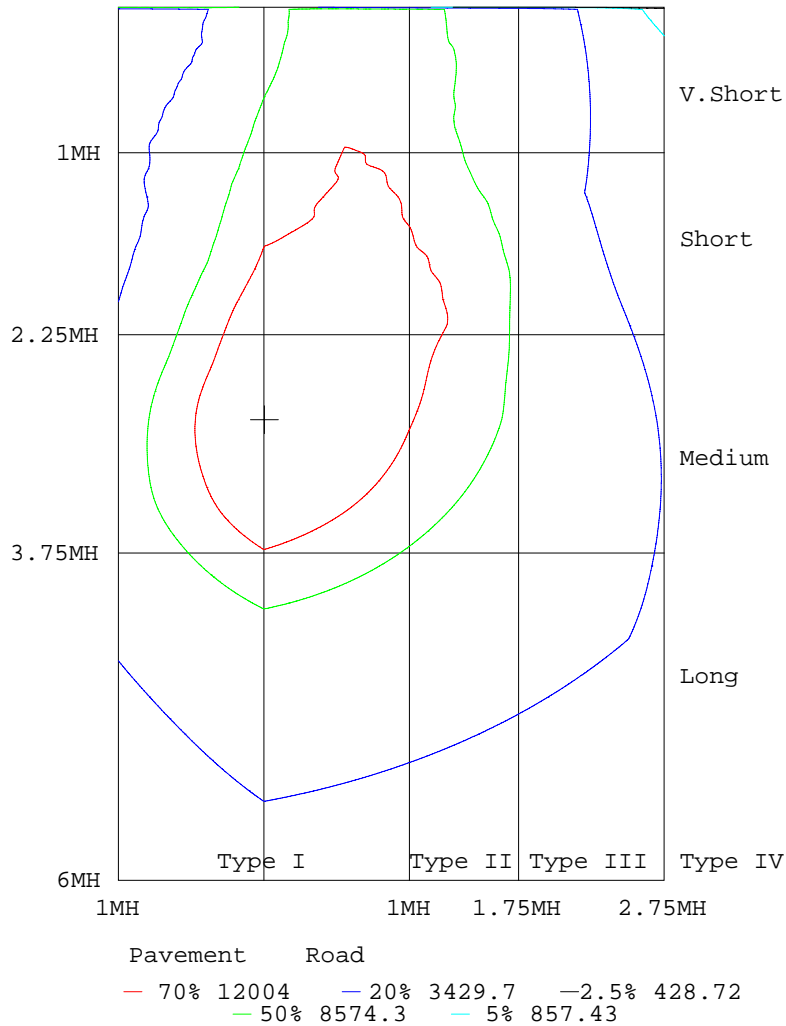
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2021

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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*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:08 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:119.89V I:2.5045A P:299.90W PF:0.9988 Freq:59.97Hz Lamp Flux:31133.9x1 lm		
NAME: TS-SL0730-300W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608002
MFR.:	SUR.: 570*315	Shielding Angle:

Table--1

UNIT: X10cd

C(DEG)\ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	676	676	676	676	676	676	676	676	676	676	676	676							
5	670	720	758	776	767	735	685	635	598	580	588	620							
10	665	763	835	866	852	793	695	598	530	489	514	569							
15	662	808	905	945	930	861	716	569	462	416	435	526							
20	660	853	964	1006	1001	933	745	540	397	349	370	472							
25	661	899	1007	1011	1049	1005	783	515	355	299	315	428							
30	675	940	1016	1009	1065	1071	829	493	317	252	273	392							
35	692	982	1016	998	1065	1134	878	477	285	209	236	366							
40	714	1013	1014	976	1066	1158	928	463	243	170	194	340							
45	744	1038	1006	945	1042	1217	981	461	199	123	160	319							
50	783	1060	964	872	992	1249	1046	436	156	71.1	117	291							
55	828	1100	918	739	895	1298	1117	390	93.9	25.5	67.7	261							
60	879	1152	792	602	736	1281	1216	310	44.8	23.3	35.6	217							
65	980	1191	644	349	564	1275	1440	207	37.5	18.5	29.6	141							
70	1159	1233	339	63.2	241	1096	1685	91.4	23.4	13.5	21.1	70.6							
75	1092	985	60.4	38.0	46.6	664	1179	45.1	14.6	9.16	13.4	39.7							
80	356	446	35.9	21.2	27.3	221	306	25.3	10.6	6.94	10.00	23.9							
85	37.6	52.3	12.7	10.6	11.5	18.5	28.0	15.3	8.55	5.95	8.04	15.7							
90	6.27	9.90	8.30	8.09	8.18	8.00	6.53	9.22	6.36	4.32	6.41	9.64							
95	6.36	6.63	6.52	6.50	6.70	7.04	6.81	7.89	6.04	4.54	6.18	7.93							
100	6.75	6.33	5.78	5.73	5.88	6.69	7.67	7.59	6.00	4.72	6.17	7.51							
105	7.11	6.25	5.20	5.10	5.23	6.63	7.70	7.45	6.21	4.98	6.46	7.43							
110	7.42	6.26	4.75	4.60	4.70	6.51	7.44	7.49	6.51	5.42	6.61	7.35							
115	7.37	6.22	4.50	4.21	4.36	6.23	7.13	7.39	6.60	5.81	6.68	7.39							
120	7.07	6.10	4.40	4.10	4.20	5.96	6.87	7.20	6.63	6.16	6.82	7.46							
125	6.82	5.94	4.35	4.06	4.15	5.72	6.73	6.92	6.75	6.43	6.99	7.49							
130	6.70	5.89	4.38	4.10	4.16	5.48	6.67	6.84	6.80	6.58	7.11	7.51							
135	6.67	5.93	4.48	4.19	4.22	5.40	6.70	6.89	6.78	6.63	7.20	7.57							
140	6.75	5.99	4.60	4.42	4.33	5.44	6.70	6.86	6.81	6.63	7.23	7.63							
145	6.82	6.02	4.74	4.61	4.46	5.56	6.54	6.86	6.93	6.65	7.28	7.57							
150	6.77	5.99	4.89	4.77	4.62	5.71	6.37	6.82	7.03	6.76	7.34	7.45							
155	6.68	5.96	5.13	4.98	4.91	5.89	6.34	6.73	7.09	6.89	7.38	7.42							
160	6.62	5.98	5.39	5.32	5.29	6.17	6.33	6.62	7.05	6.88	7.37	7.32							
165	6.61	6.05	5.68	5.68	5.69	6.43	6.33	6.53	7.00	6.85	7.29	7.24							
170	6.51	6.10	5.96	5.98	5.99	6.58	6.33	6.42	6.80	6.66	7.04	7.09							
175	6.44	6.17	6.23	6.22	6.25	6.70	6.34	6.29	6.59	6.43	6.70	6.84							
180	6.36	6.23	6.44	6.37	6.45	6.73	6.38	6.22	6.46	6.35	6.44	6.72							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:08 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: