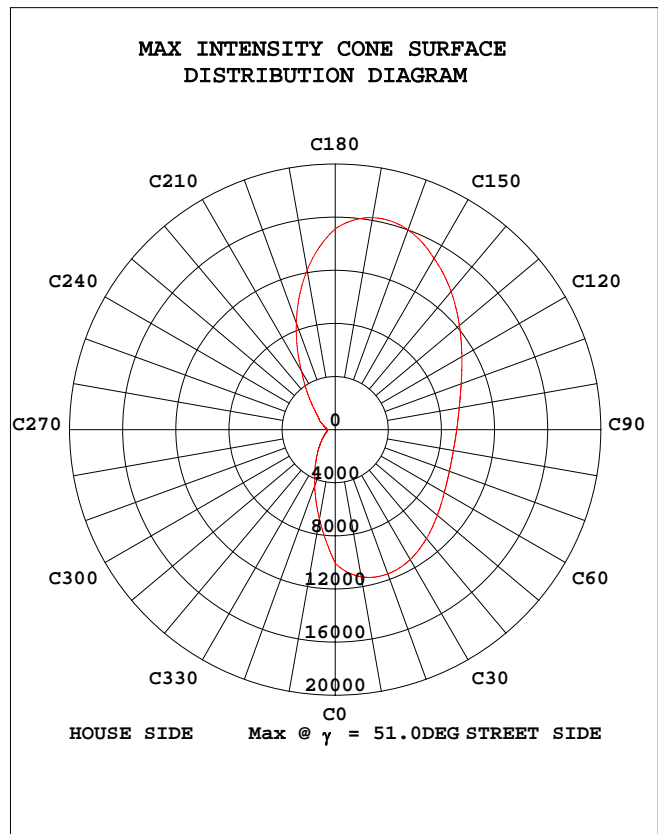
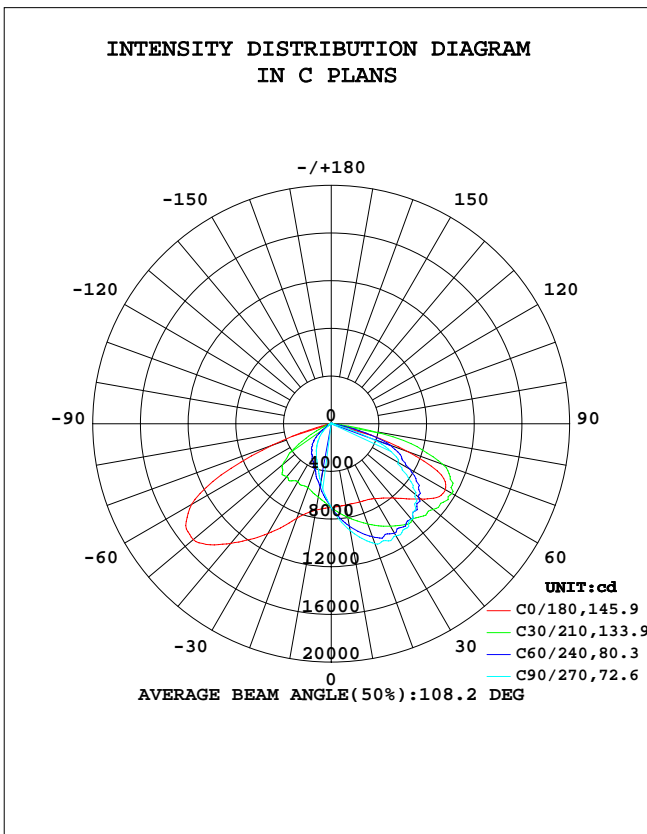


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
MFR.:	SUR.: 570*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.74 lm/W			
MODEL	TS-SL0730-300W-H4-1	I _{max} (cd)	15120	η street_up(%)	0.6
NOMINAL POWER(W)	300	LOR(%)	100.0	η street_down(%)	71.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	31793	η house_up(%)	0.7
NOMINAL FLUX(lm)	31793	MAXIMUM @(C,γ)	180,51.0	η house_down(%)	27.3
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	20.513

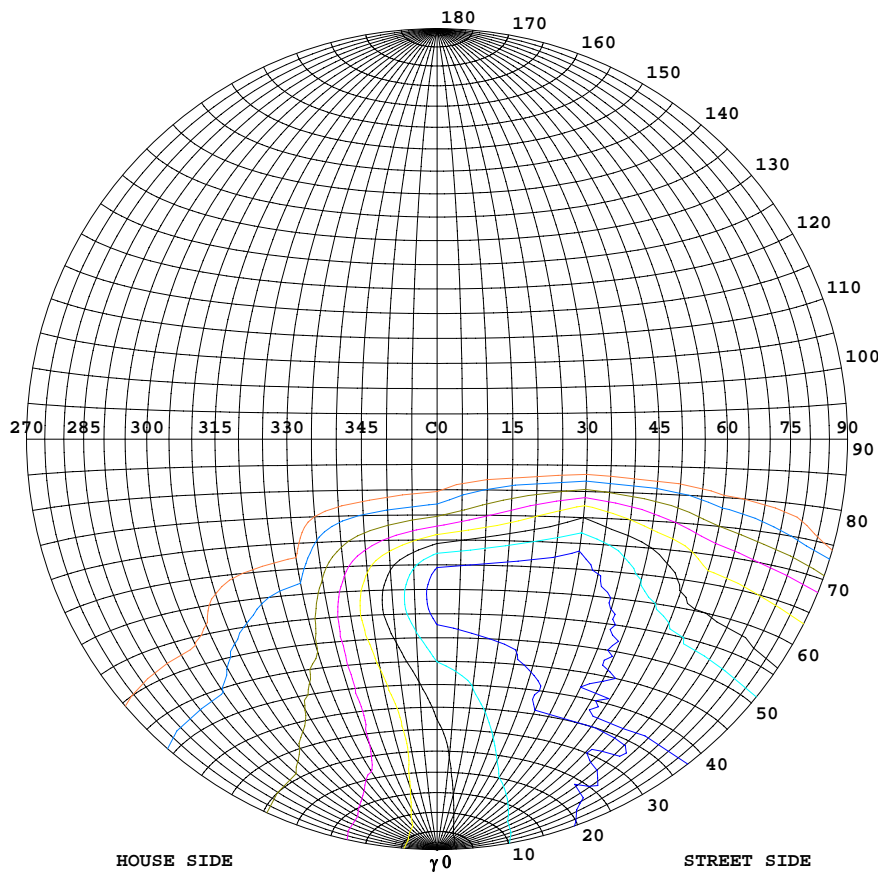


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:08 June 2021

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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
MFR.:	SUR.: 570*315	Shielding Angle:



Classification:

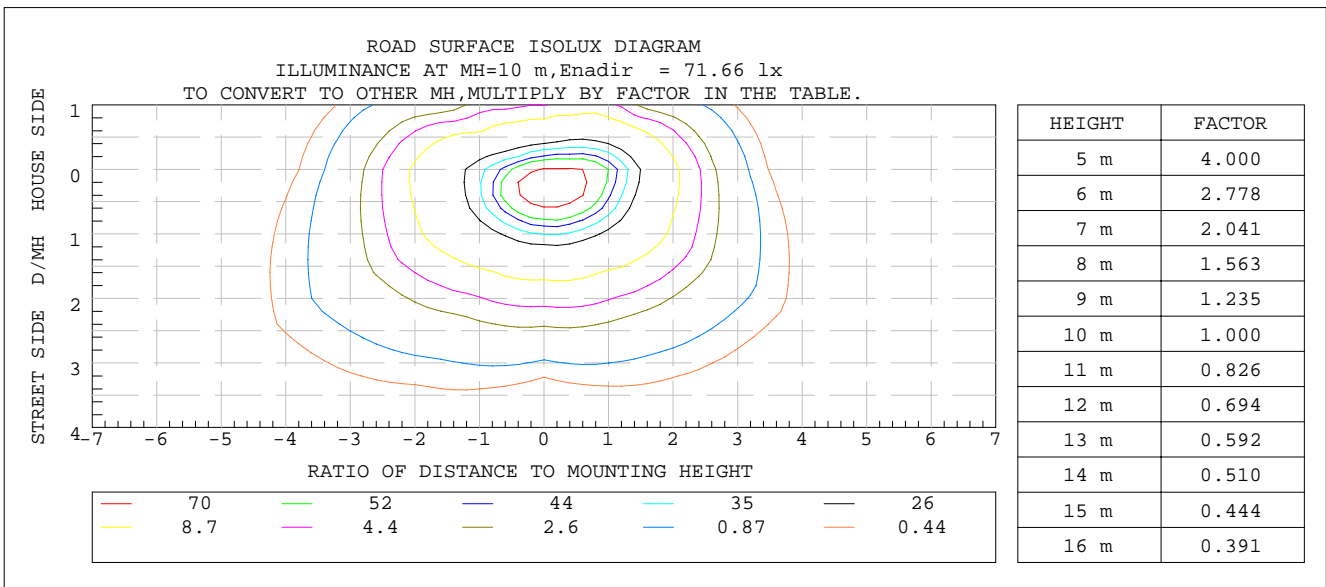
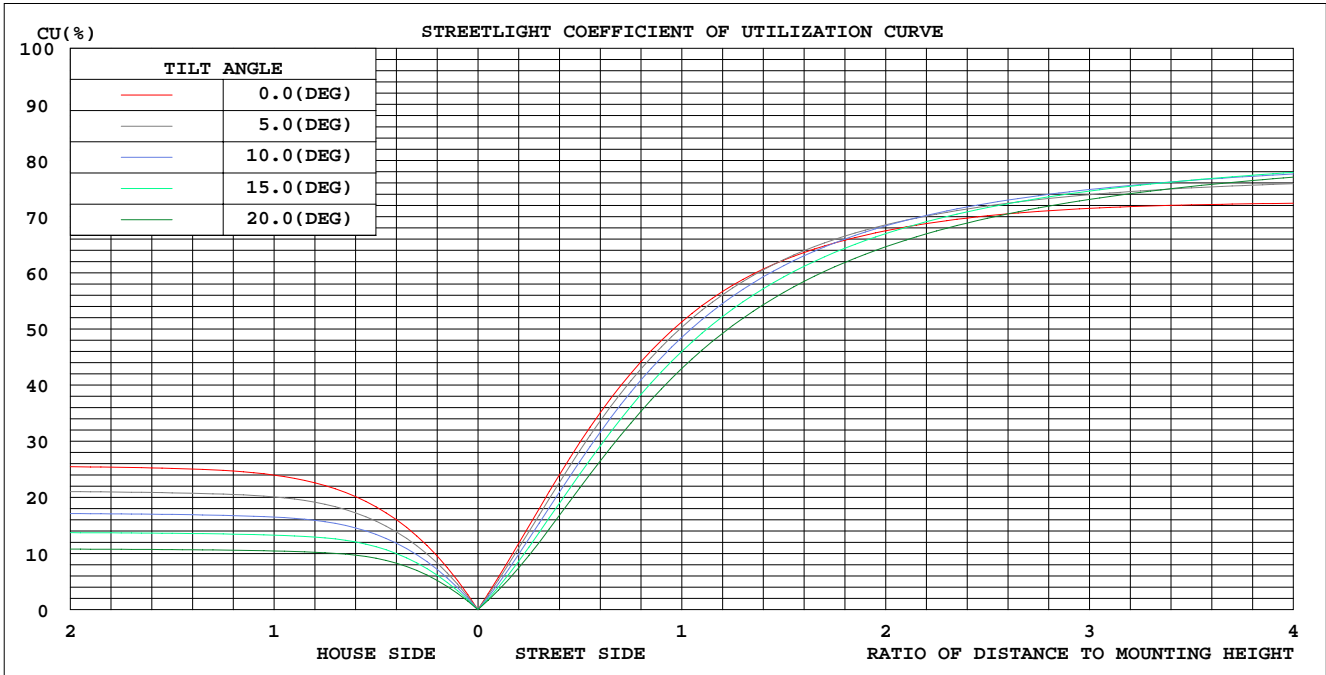
IES:Type III - Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:104.9cd/klm
 Max.At90:2.800cd/klm
 Max.80-90:104.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	15120
90%	13608
80%	12096
70%	10584
60%	9072
50%	7560
40%	6048
30%	4536
20%	3024
10%	1512
5%	756

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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
MFR.:	SUR.: 570*315	Shielding Angle:

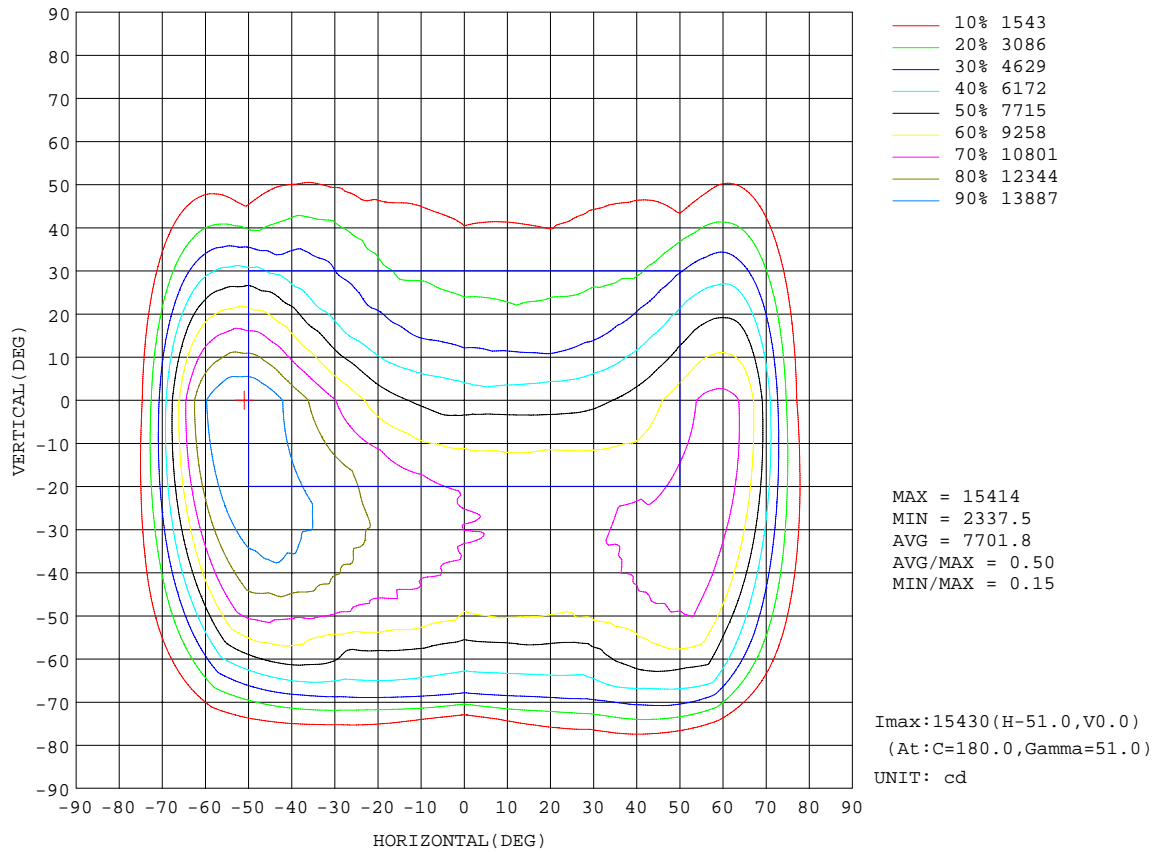
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	692.8	833.7	908.9	875.3	735.5	581.7	497.1	550.7	0- 10	674.6	674.6	2.12,2.12
20	698.4	950.6	1070	1075	843.1	488.2	349.9	425.6	10- 20	2049	2723	8.57,8.57
30	725.3	1027	1084	1224	1064	440.7	250.9	329.9	20- 30	3480	6203	19.5,19.5
40	814.7	1050	1047	1299	1310	415.7	157.5	265.1	30- 40	4880	11083	34.9,34.9
50	983.5	1036	922.3	1291	1510	348.8	71.31	202.8	40- 50	6061	17144	53.9,53.9
60	1106	968.5	649.1	1082	1352	143.9	28.48	115.8	50- 60	6463	23607	74.3,74.3
70	683.8	761.0	337.6	717.6	521.8	38.73	15.45	38.53	60- 70	5324	28931	91,91
80	64.89	209.9	18.90	113.8	28.97	15.45	7.572	16.10	70- 80	2231	31162	98,98
90	6.006	7.696	7.784	7.890	6.579	7.615	4.673	7.688	80- 90	229.8	31391	98.7,98.7
100	6.478	5.989	5.686	6.459	6.756	6.791	5.108	6.816	90-100	71.89	31463	99,99
110	6.949	5.536	4.696	5.743	6.984	6.920	6.020	7.194	100-110	66.78	31530	99.2,99.2
120	7.039	5.326	4.205	5.300	6.725	7.042	6.693	7.476	110-120	62.16	31592	99.4,99.4
130	6.726	5.297	4.199	5.077	6.449	7.106	7.095	7.608	120-130	55.93	31648	99.5,99.5
140	6.692	5.450	4.550	5.023	6.430	7.081	7.250	7.733	130-140	48.33	31696	99.7,99.7
150	6.885	5.707	4.957	5.282	6.578	7.181	7.337	7.876	140-150	40.04	31736	99.8,99.8
160	7.163	6.121	5.562	5.961	6.601	7.156	7.375	7.934	150-160	30.63	31767	99.9,99.9
170	7.057	6.519	6.303	6.616	6.575	6.996	7.100	7.587	160-170	19.39	31787	100,100
180	6.756	6.795	6.750	7.016	6.797	6.793	6.721	7.013	170-180	6.544	31793	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

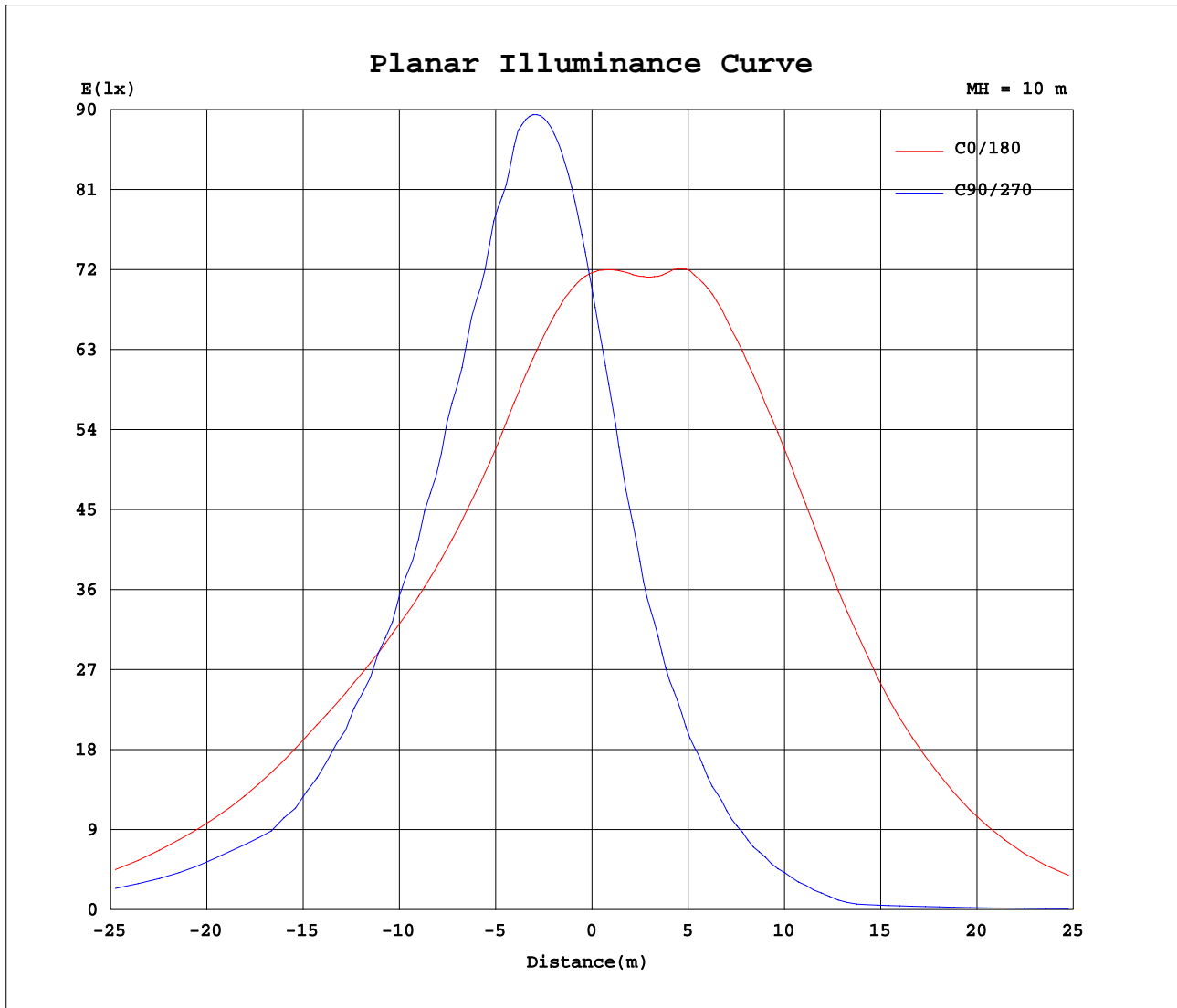
Test:U:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
MFR.:	SUR.: 570*315	Shielding Angle:



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



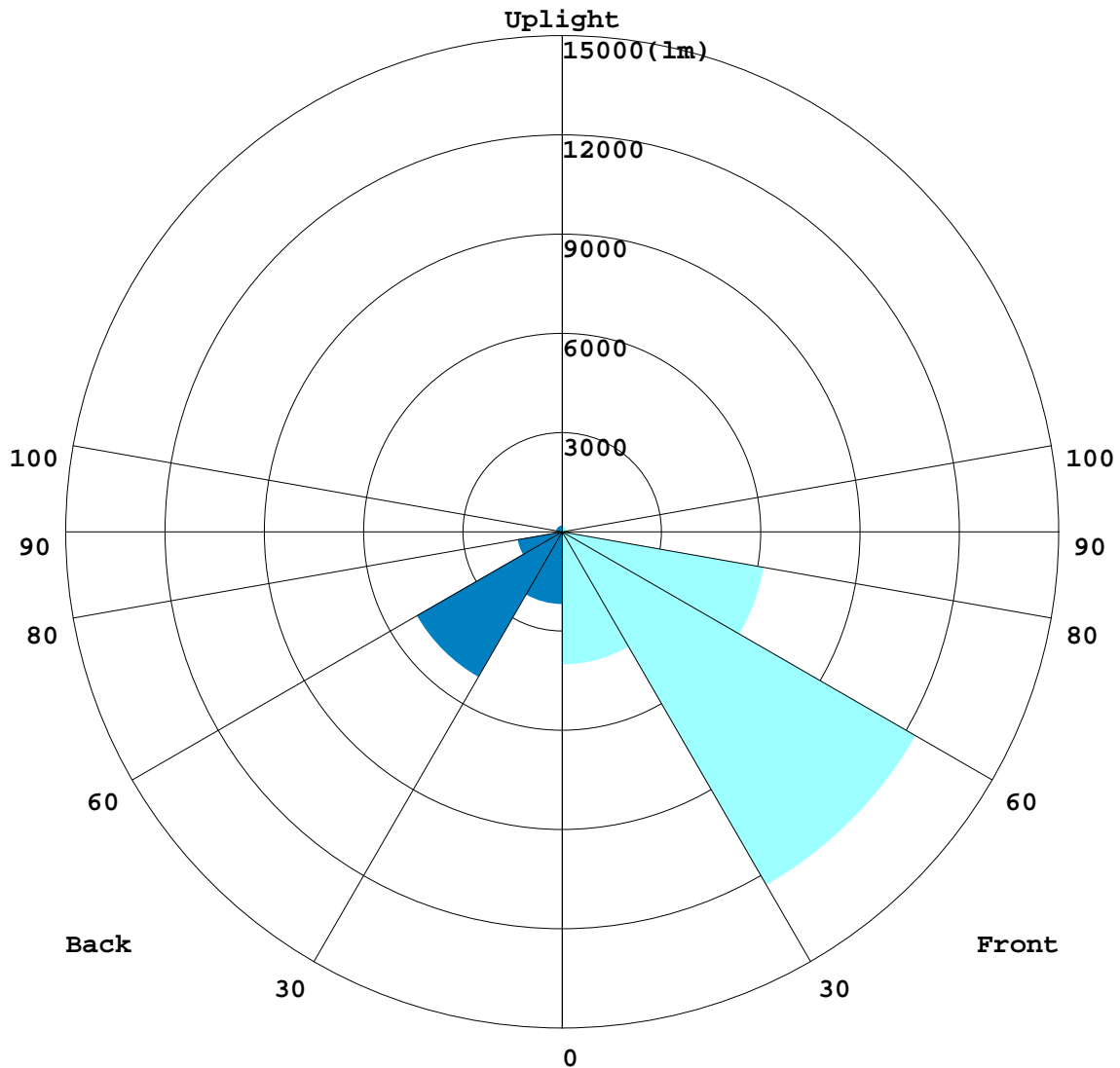
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 08 June 2021

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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
MFR.:	SUR.: 570*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4015.3	12.6
FM - Front-Medium(30-60)	12333	38.8
FH - Front-High(60-80)	6189.9	19.5
FVH - Front-Very High(80-90)	172.1	0.5
Total Forward Light	22892	72.0

BL - Back-Low(0-30)	2188.1	6.9
BM - Back-Medium(30-60)	5071	16.0
BH - Back-High(60-80)	1364.6	4.3
BVH - Back-Very High(80-90)	57.703	0.2
Total Back Light	8900.9	28.0

UL - Uplight-Low(90-100)	71.895	0.2
UH - Uplight-High(100-180)	329.81	1.0
Total Up Light	401.7	1.3

BUG(Back,Up,Glare) Rating	B4-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8681.5	219.38	8900.9
Street Side	22710	182.32	22892

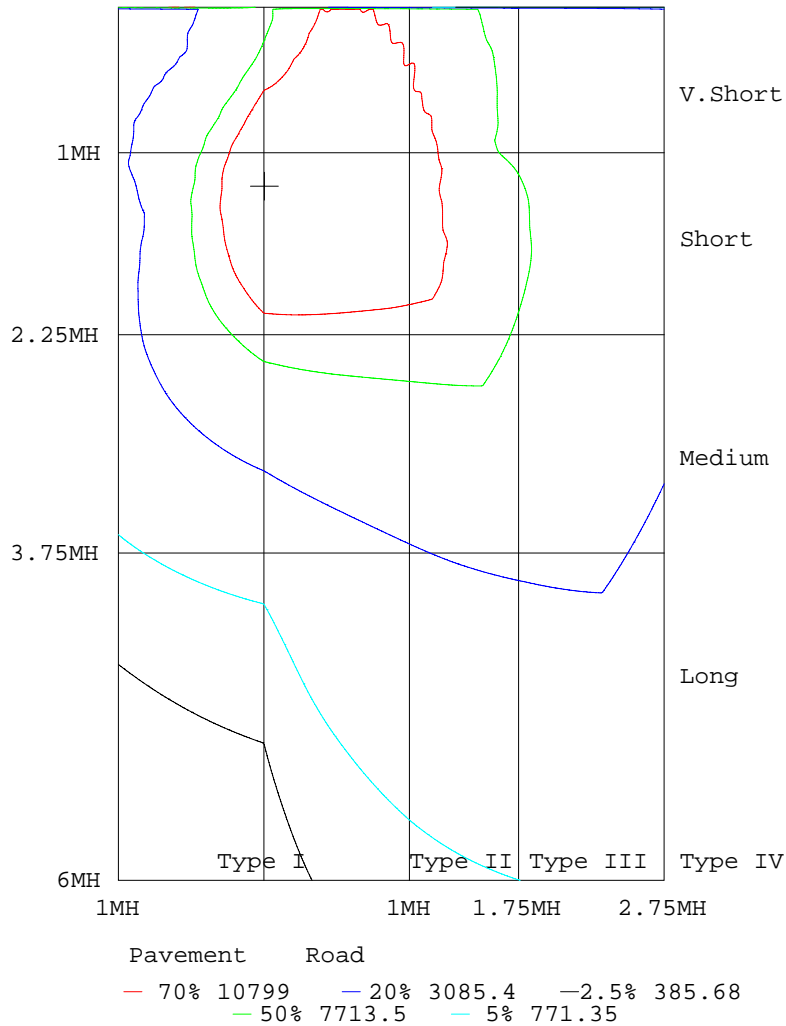
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:08 June 2021

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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
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:119.88V I:2.5108A P:300.67W PF:0.9988 Freq:59.98Hz Lamp Flux:31793x1 lm		
NAME: TS-SL0730-300W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210608003
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	702	702	702	702	702	702	702	702	702	702	702	702							
5	696	749	789	810	802	768	714	660	619	601	608	642							
10	693	797	871	909	903	847	736	625	538	497	515	586							
15	694	845	944	996	1004	943	775	599	473	412	438	528							
20	698	895	1007	1070	1098	1052	843	571	405	350	371	481							
25	706	945	1044	1083	1167	1158	949	571	356	298	312	426							
30	725	992	1061	1084	1193	1254	1064	561	320	251	264	396							
35	761	1038	1055	1077	1200	1351	1183	586	286	204	224	363							
40	815	1053	1046	1047	1200	1399	1310	578	253	158	185	346							
45	891	1094	1021	1003	1167	1471	1436	584	205	119	151	330							
50	984	1119	953	922	1099	1485	1510	535	161	71.3	106	301							
55	1079	1147	903	788	1003	1463	1491	423	89.4	30.3	58.5	264							
60	1106	1171	764	649	824	1342	1352	243	43.7	28.5	36.6	196							
65	1021	1100	649	554	720	1182	1019	115	34.7	24.9	31.9	110							
70	684	995	525	338	540	896	522	52.1	25.3	15.4	24.2	53.0							
75	276	746	302	51.0	266	536	129	31.6	16.0	10.1	15.0	35.4							
80	64.9	334	85.5	18.9	54.0	174	29.0	19.1	11.8	7.57	10.9	21.3							
85	16.5	30.1	12.6	10.1	10.6	13.9	10.5	12.3	8.92	6.56	8.37	13.7							
90	6.01	7.49	7.90	7.78	7.88	7.89	6.58	8.62	6.60	4.67	6.48	8.90							
95	6.12	6.54	6.20	6.31	6.68	7.21	6.61	7.64	6.24	4.84	6.22	7.65							
100	6.48	6.35	5.63	5.69	6.06	6.86	6.76	7.35	6.23	5.11	6.37	7.26							
105	6.76	6.26	5.21	5.15	5.55	6.59	6.93	7.18	6.46	5.57	6.66	7.40							
110	6.95	6.21	4.86	4.70	5.07	6.42	6.98	7.16	6.68	6.02	6.86	7.53							
115	7.06	6.13	4.66	4.32	4.72	6.26	6.90	7.17	6.76	6.36	7.06	7.67							
120	7.04	6.06	4.59	4.20	4.53	6.07	6.73	7.22	6.87	6.69	7.23	7.72							
125	6.90	6.01	4.57	4.17	4.47	5.90	6.56	7.14	7.05	6.94	7.40	7.72							
130	6.73	5.98	4.61	4.20	4.45	5.71	6.45	7.05	7.16	7.09	7.53	7.69							
135	6.67	5.99	4.72	4.30	4.49	5.54	6.41	6.99	7.15	7.19	7.66	7.67							
140	6.69	6.06	4.83	4.55	4.59	5.46	6.43	7.00	7.17	7.25	7.76	7.71							
145	6.74	6.18	4.98	4.76	4.71	5.49	6.51	7.03	7.23	7.27	7.81	7.77							
150	6.88	6.26	5.15	4.96	4.86	5.70	6.58	7.06	7.31	7.34	7.87	7.89							
155	7.06	6.37	5.42	5.20	5.15	6.01	6.62	7.01	7.38	7.40	7.94	7.99							
160	7.16	6.51	5.73	5.56	5.55	6.37	6.60	6.93	7.39	7.37	7.93	7.94							
165	7.17	6.61	6.07	5.96	6.00	6.69	6.59	6.87	7.39	7.31	7.84	7.84							
170	7.06	6.66	6.37	6.30	6.34	6.89	6.57	6.79	7.21	7.10	7.55	7.63							
175	6.92	6.68	6.67	6.58	6.64	7.07	6.64	6.70	7.02	6.84	7.17	7.32							
180	6.76	6.71	6.88	6.75	6.86	7.17	6.80	6.68	6.91	6.72	6.88	7.15							

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]
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