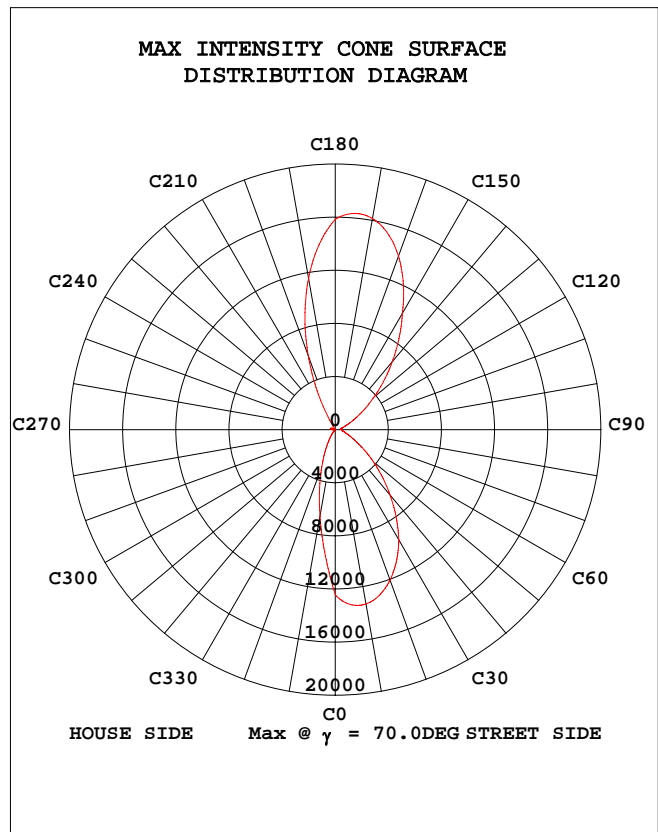
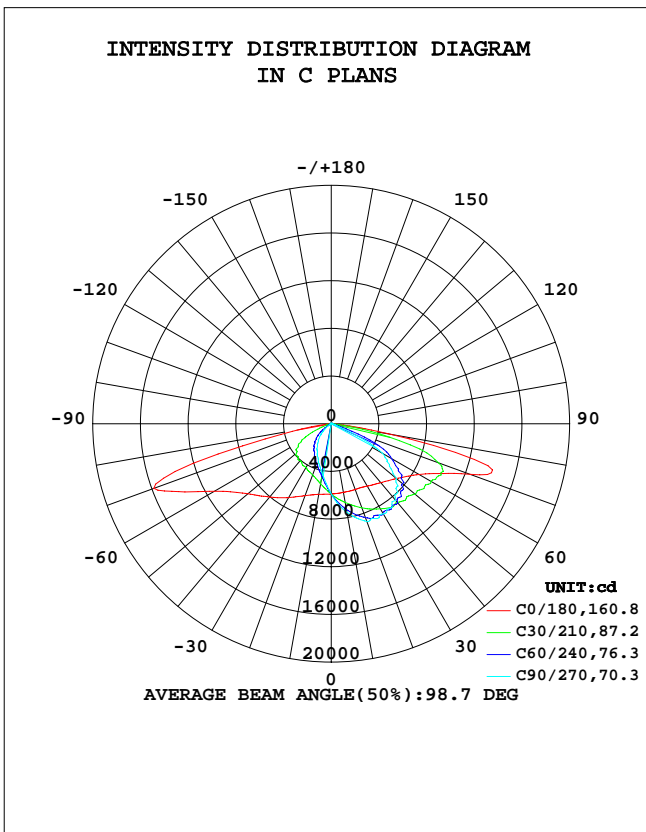


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
MFR.:	SUR.: 570*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.90 lm/W			
MODEL	TS-SL0724-240W-H3-1	I _{max} (cd)	15839	η street_up(%)	0.6
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	68.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	27374	η house_up(%)	0.7
NOMINAL FLUX(lm)	27374.1	MAXIMUM @(C,γ)	180,70.0	η house_down(%)	29.9
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	23.825

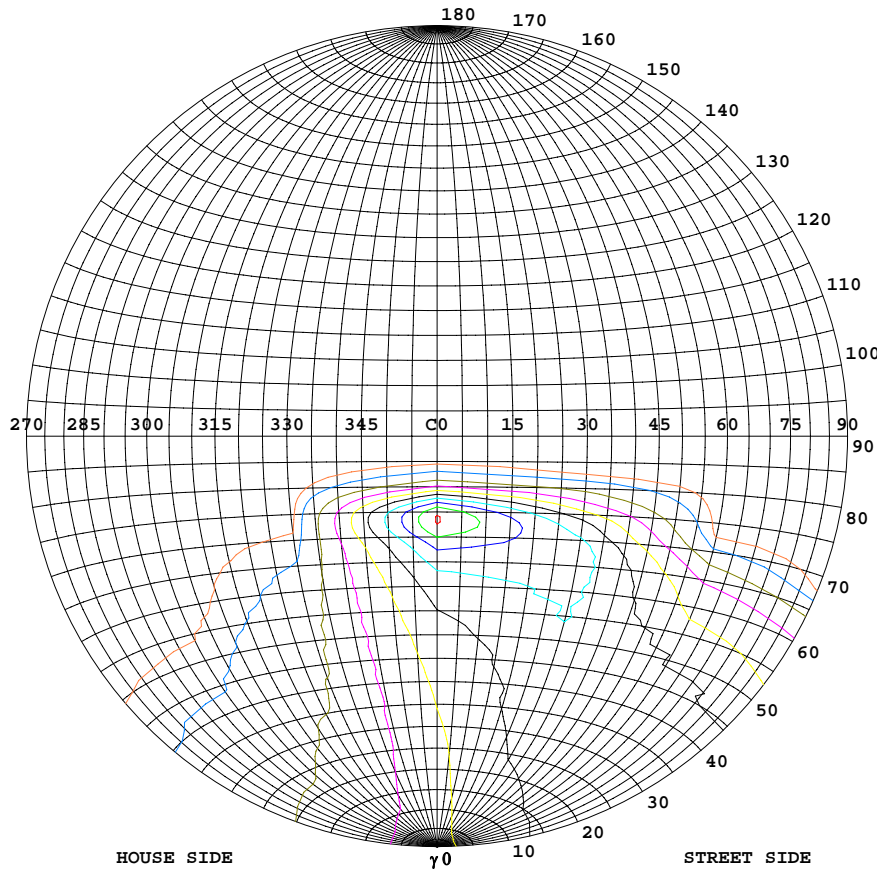


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
MFR.:	SUR.: 570*315	Shielding Angle:



Classification:

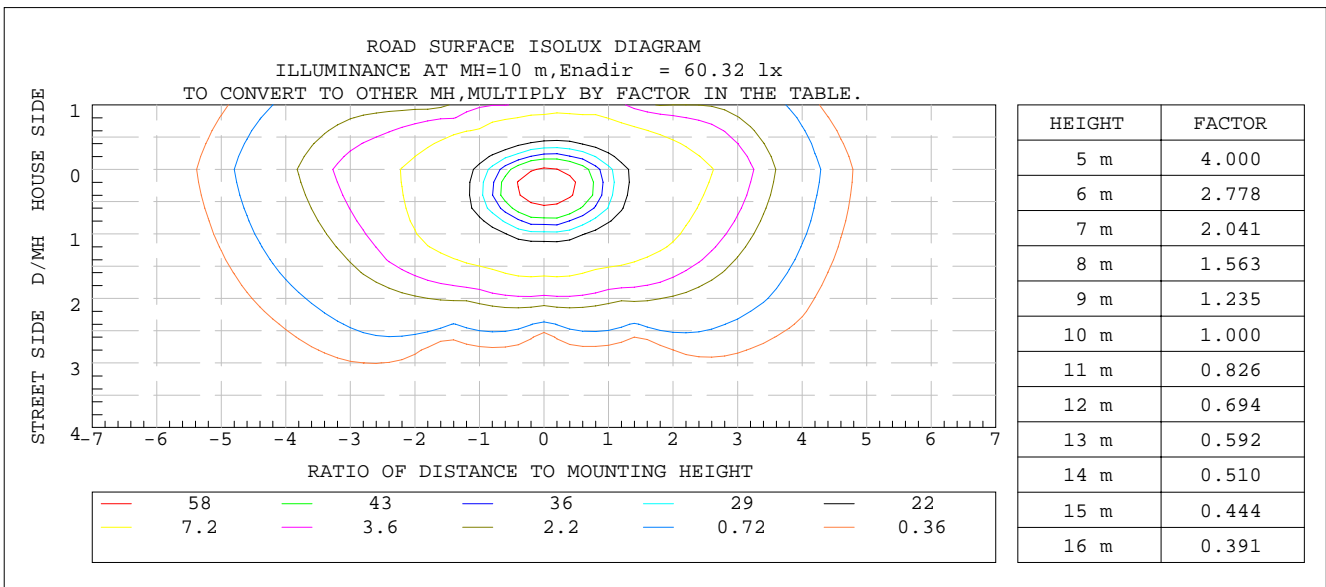
IES:Type II - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:176.9cd/klm
 Max.At90:2.908cd/klm
 Max.80-90:176.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	15839
90%	14255
80%	12671
70%	11087
60%	9503
50%	7920
40%	6336
30%	4752
20%	3168
10%	1584
5%	792

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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
MFR.:	SUR.: 570*315	Shielding Angle:

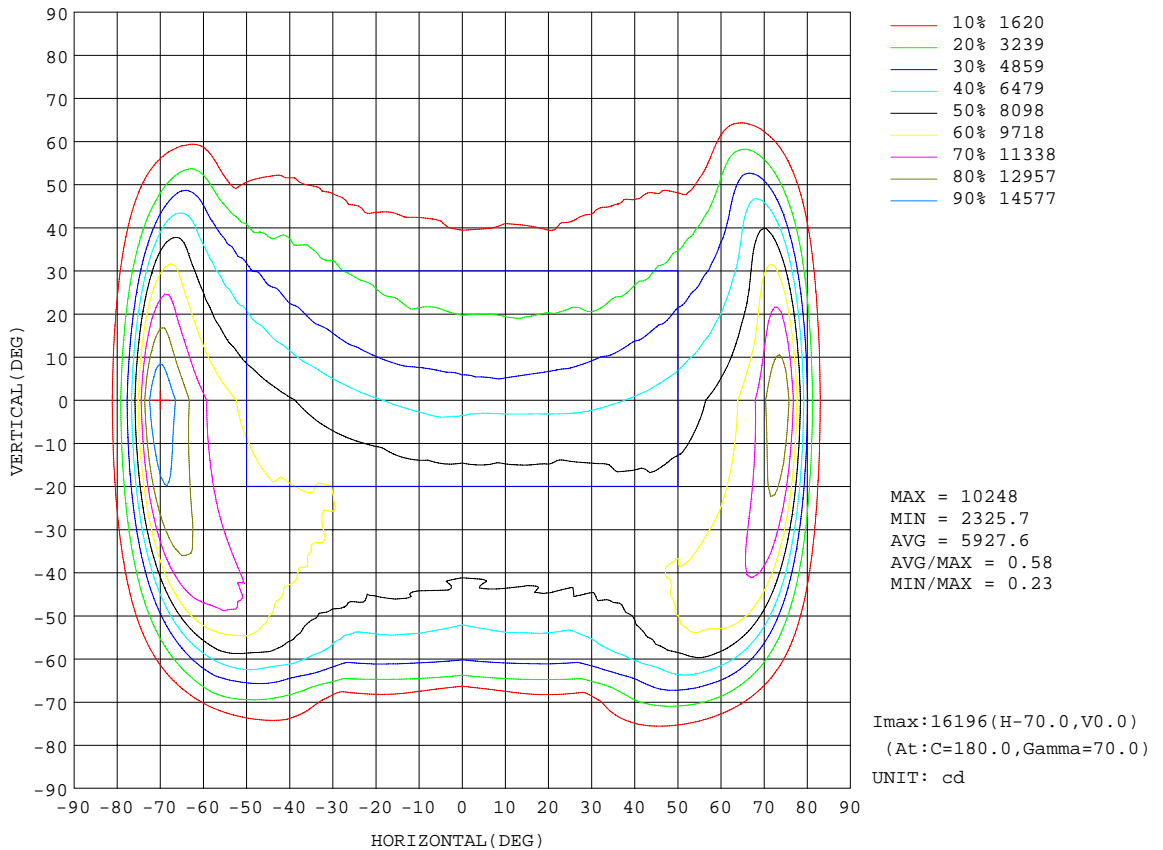
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	584.7	699.4	754.4	716.1	601.9	481.8	428.2	468.9	0- 10	563.6	563.6	2.06,2.06
20	587.2	794.4	872.2	841.7	642.3	408.0	320.2	383.2	10- 20	1699	2263	8.27,8.27
30	604.4	850.0	873.5	929.3	715.2	352.3	243.0	313.1	20- 30	2817	5079	18.6,18.6
40	645.4	866.8	839.6	965.8	803.0	309.9	153.4	258.0	30- 40	3821	8901	32.5,32.5
50	715.9	850.6	717.0	951.4	914.3	260.6	73.35	200.1	40- 50	4583	13484	49.3,49.3
60	852.2	776.4	496.5	865.2	1134	158.5	18.75	127.6	50- 60	4970	18454	67.4,67.4
70	1243	572.8	48.28	594.6	1584	49.64	11.00	57.14	60- 70	5002	23456	85.7,85.7
80	484.4	146.6	15.48	104.8	249.7	13.08	5.468	14.92	70- 80	3258	26714	97.6,97.6
90	5.470	7.028	6.356	6.680	5.520	5.996	3.716	6.599	80- 90	314.9	27029	98.7,98.7
100	5.934	5.214	4.848	5.500	6.964	5.694	4.055	6.115	90-100	62.25	27091	99,99
110	6.668	4.738	3.908	5.027	6.706	5.914	4.625	6.314	100-110	58.55	27150	99.2,99.2
120	6.356	4.552	3.539	4.608	6.099	5.963	5.316	6.323	110-120	53.90	27203	99.4,99.4
130	5.934	4.495	3.703	4.351	5.893	5.869	5.797	6.509	120-130	47.68	27251	99.6,99.6
140	5.941	4.655	3.895	4.396	5.955	5.919	5.845	6.635	130-140	41.46	27293	99.7,99.7
150	5.983	4.821	4.168	4.644	5.607	6.019	5.983	6.579	140-150	34.23	27327	99.8,99.8
160	5.803	5.042	4.702	5.123	5.563	5.977	6.067	6.536	150-160	25.71	27353	99.9,99.9
170	5.702	5.321	5.250	5.576	5.551	5.795	5.942	6.290	160-170	16.11	27369	100,100
180	5.540	5.554	5.572	5.818	5.568	5.550	5.552	5.819	170-180	5.407	27374	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: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

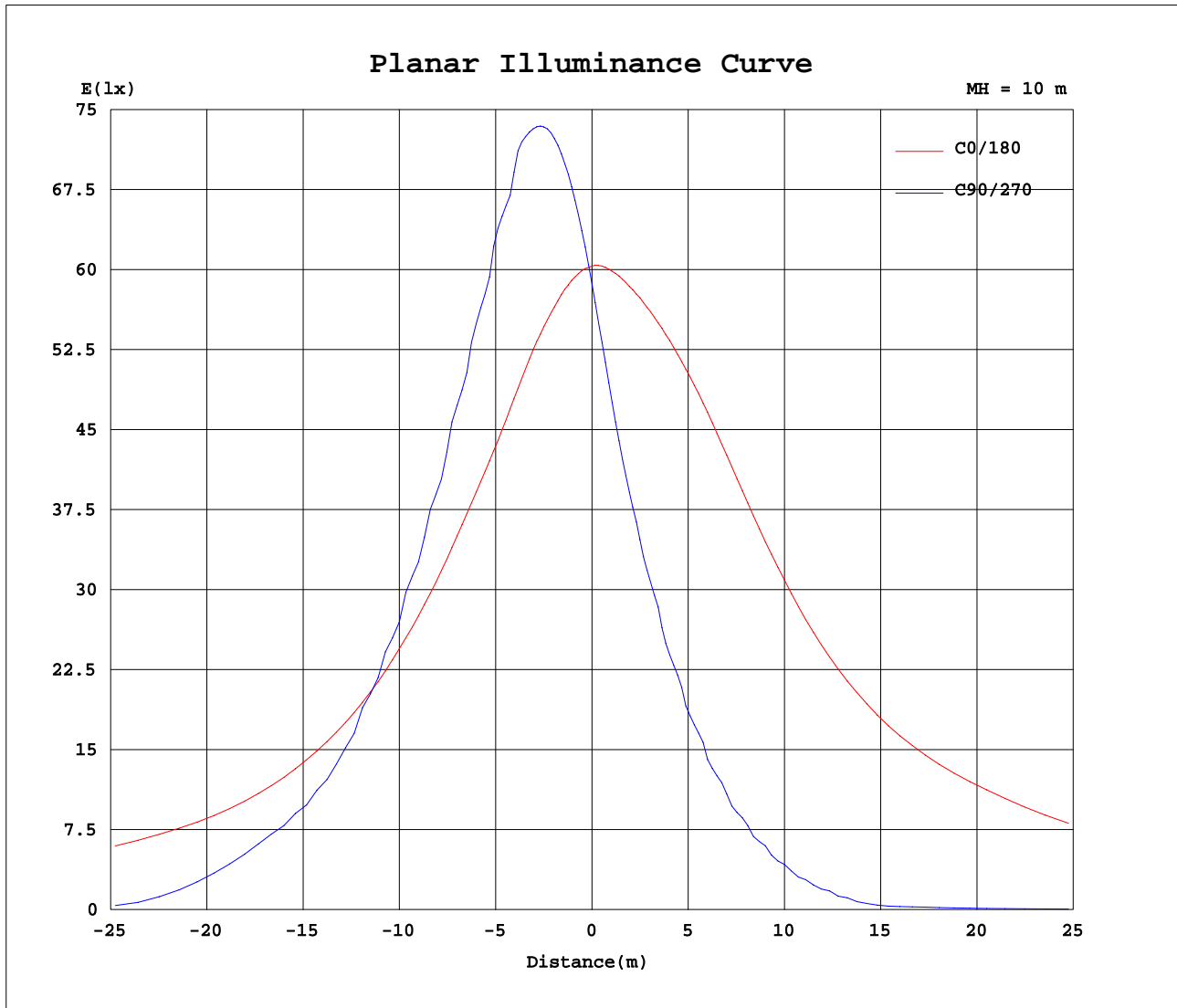
Test:U:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
MFR.:	SUR.: 570*315	Shielding Angle:



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



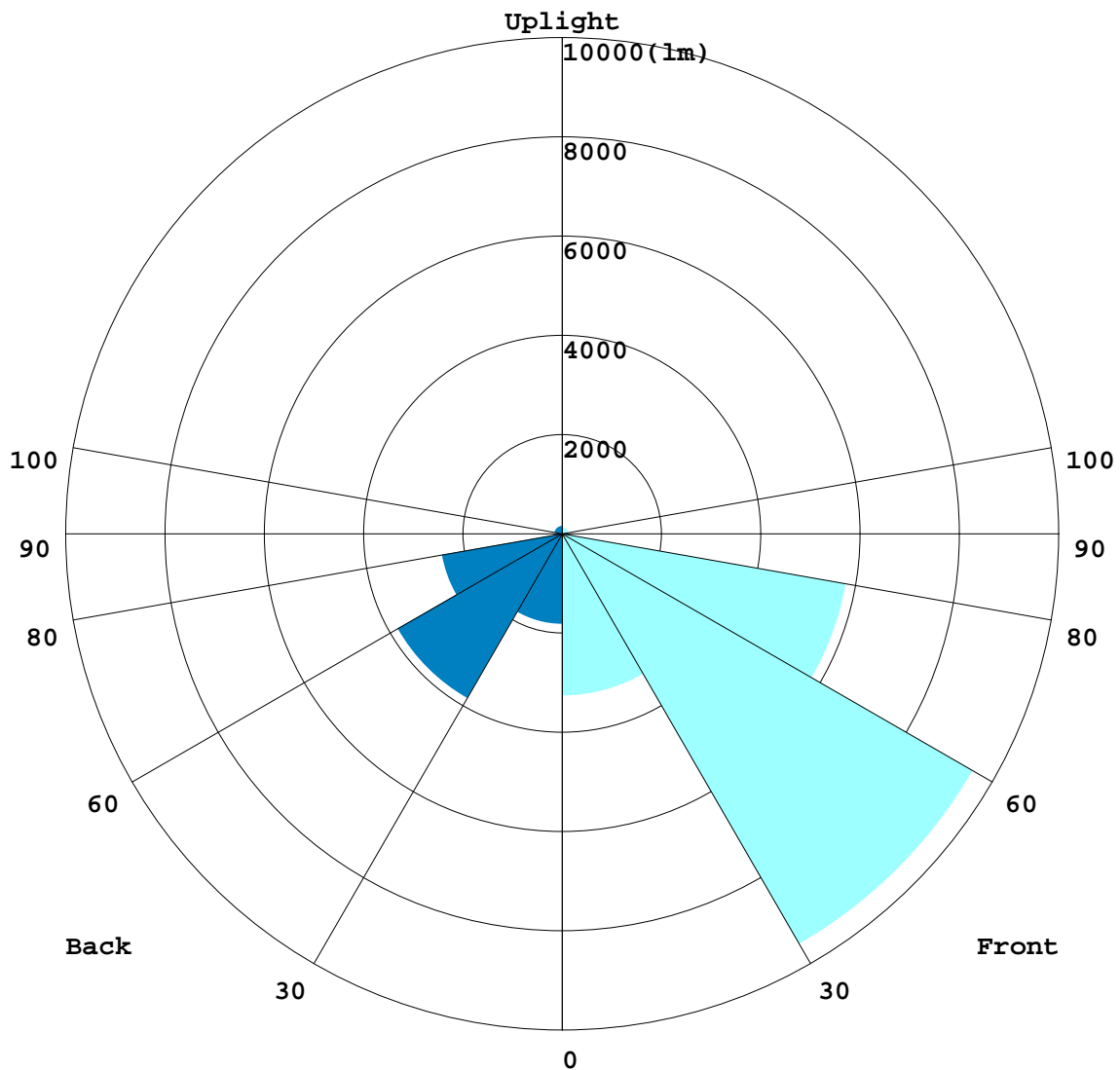
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz		
Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
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: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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
MFR.:	SUR.: 570*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3261.6	11.9
FM - Front-Medium(30-60)	9548.4	34.9
FH - Front-High(60-80)	5801	21.2
FVH - Front-Very High(80-90)	228.24	0.8
Total Forward Light	18997	69.4

BL - Back-Low(0-30)	1817.6	6.6
BM - Back-Medium(30-60)	3826.4	14.0
BH - Back-High(60-80)	2458.9	9.0
BVH - Back-Very High(80-90)	86.629	0.3
Total Back Light	8376.8	30.6

UL - Uplight-Low(90-100)	62.252	0.2
UH - Uplight-High(100-180)	283.04	1.0
Total Up Light	345.29	1.3

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8189.5	187.32	8376.8
Street Side	18839	157.98	18997

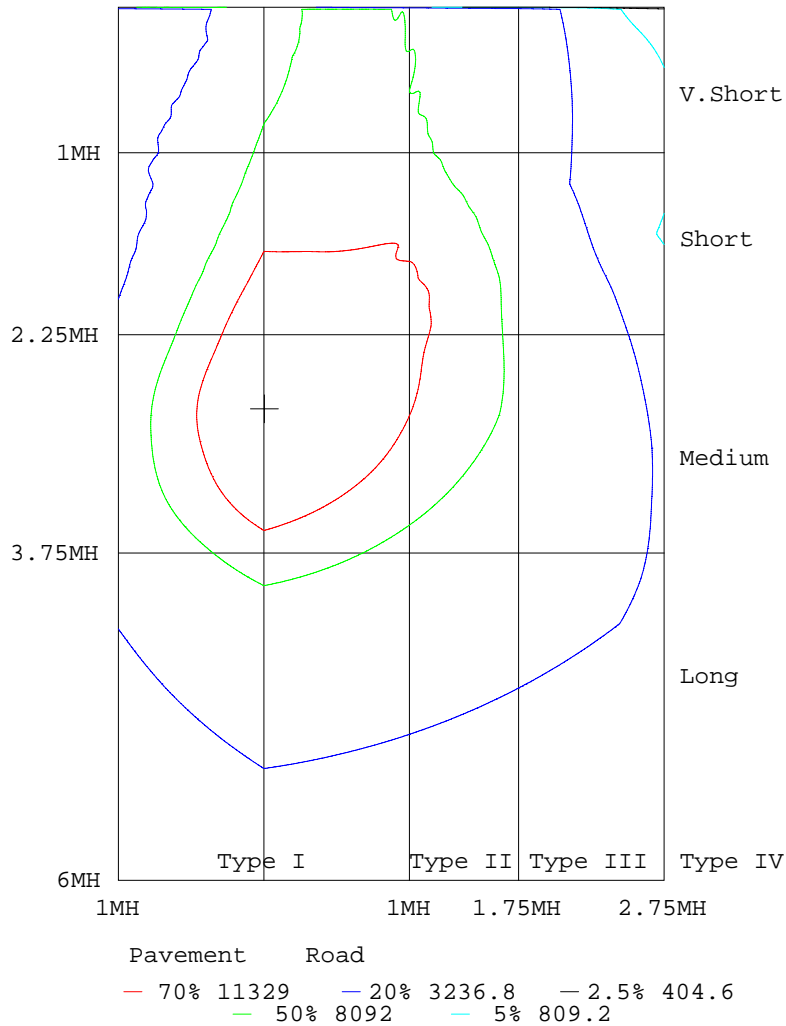
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:05 June 2021

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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
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: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:120.05V I:2.0286A P:242.47W PF:0.9956 Freq:59.98Hz Lamp Flux:27374.1x1 lm		
NAME: TS-SL0724-240W-H3-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605010
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	590	590	590	590	590	590	590	590	590	590	590	590							
5	587	631	663	676	668	640	594	550	516	502	511	541							
10	585	670	729	754	741	691	602	513	451	428	442	496							
15	585	710	788	820	809	752	618	481	401	369	391	457							
20	587	751	838	872	870	813	642	458	358	320	345	422							
25	591	790	851	878	908	875	675	442	315	281	297	390							
30	604	825	876	873	927	931	715	425	279	243	258	369							
35	623	859	876	865	926	987	758	423	253	198	221	342							
40	645	864	870	840	925	1007	803	407	212	153	186	331							
45	677	889	823	767	874	1057	854	392	179	121	153	308							
50	716	919	782	717	822	1082	914	379	141	73.3	118	283							
55	772	949	688	597	719	1125	1000	338	90.4	31.2	75.5	258							
60	852	966	585	496	603	1130	1134	289	26.5	18.7	28.7	228							
65	989	1017	447	248	455	1158	1354	193	20.6	13.2	18.9	170							
70	1243	958	184	48.3	182	1012	1584	84.6	14.4	11.0	13.8	101							
75	1361	688	45.2	30.5	39.0	603	984	37.3	11.2	7.97	11.1	47.7							
80	484	266	26.1	15.5	22.2	188	250	18.2	7.96	5.47	7.72	22.2							
85	50.5	28.6	9.68	8.94	9.89	14.4	10.3	10.7	6.08	4.21	6.06	13.7							
90	5.47	7.47	6.58	6.36	6.69	6.67	5.52	6.89	5.10	3.72	5.25	7.96							
95	5.48	5.72	5.57	5.48	5.72	6.12	6.12	6.52	4.90	3.90	5.17	7.13							
100	5.93	5.48	4.95	4.85	5.03	5.97	6.96	6.49	4.90	4.06	5.17	7.07							
105	6.36	5.40	4.46	4.32	4.48	6.07	6.99	6.47	5.03	4.26	5.47	7.01							
110	6.67	5.39	4.08	3.91	4.06	6.01	6.71	6.52	5.31	4.63	5.77	6.86							
115	6.67	5.35	3.89	3.61	3.84	5.76	6.37	6.45	5.53	5.02	5.89	6.74							
120	6.36	5.27	3.83	3.54	3.72	5.50	6.10	6.29	5.63	5.32	6.04	6.61							
125	6.09	5.14	3.82	3.53	3.68	5.24	5.94	6.06	5.70	5.57	6.23	6.63							
130	5.93	5.09	3.89	3.70	3.73	4.98	5.89	5.98	5.76	5.80	6.36	6.66							
135	5.88	5.14	3.99	3.81	3.77	4.89	5.95	6.01	5.76	5.85	6.44	6.73							
140	5.94	5.21	4.10	3.89	3.85	4.95	5.95	5.99	5.85	5.85	6.47	6.81							
145	6.02	5.25	4.23	4.02	3.96	5.06	5.77	5.97	6.00	5.90	6.52	6.75							
150	5.98	5.27	4.37	4.17	4.12	5.17	5.61	5.92	6.12	5.98	6.55	6.61							
155	5.86	5.25	4.58	4.40	4.39	5.30	5.58	5.87	6.20	6.07	6.60	6.55							
160	5.80	5.27	4.82	4.70	4.74	5.52	5.56	5.79	6.17	6.07	6.60	6.47							
165	5.79	5.31	5.07	5.01	5.07	5.73	5.56	5.71	6.13	6.07	6.57	6.41							
170	5.70	5.36	5.29	5.25	5.32	5.84	5.55	5.60	5.99	5.94	6.34	6.24							
175	5.63	5.40	5.49	5.43	5.54	5.88	5.53	5.49	5.78	5.67	5.98	6.00							
180	5.54	5.45	5.66	5.57	5.74	5.90	5.57	5.42	5.68	5.55	5.75	5.89							

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

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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 Humidity:65.0%
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