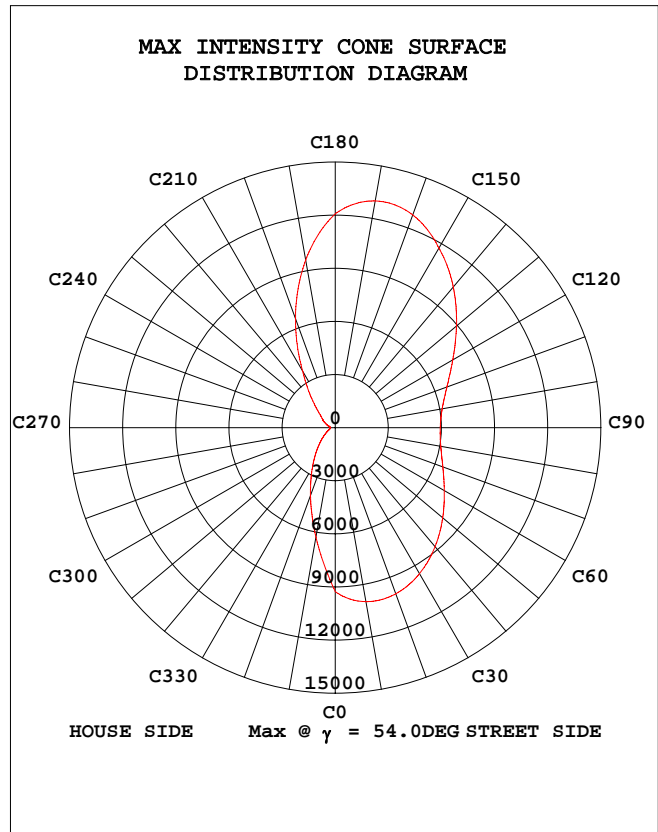
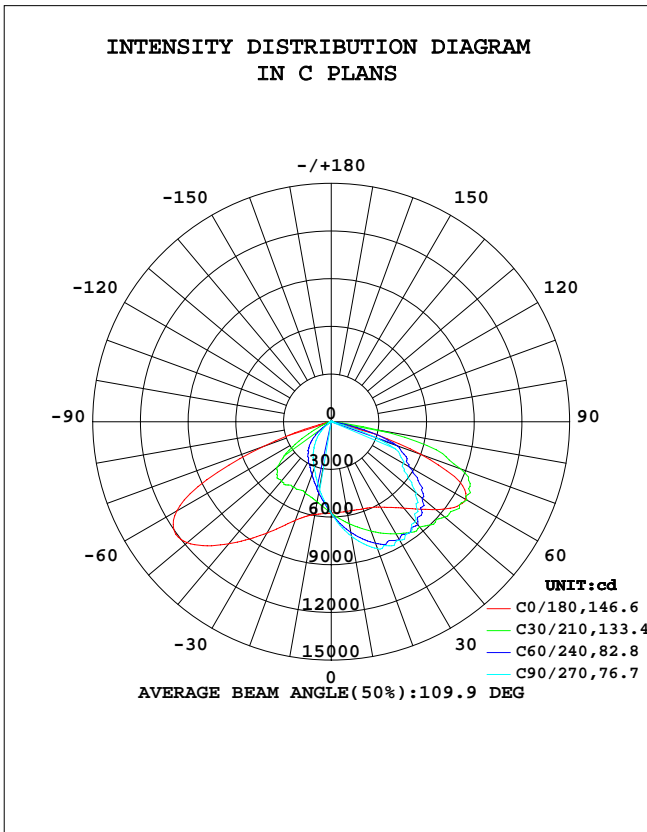


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
MFR.:	SUR.: 570*315	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.50 lm/W			
MODEL	TS-SL0724-240W-H4-1	I _{max} (cd)	12077	η street_up(%)	0.6
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	71.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	26161	η house_up(%)	0.7
NOMINAL FLUX(lm)	26161	MAXIMUM @(C,γ)	180,54.0	η house_down(%)	27.8
LAMPS INSIDE	1	η up(%)	1.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	98.7	SLI	20.300

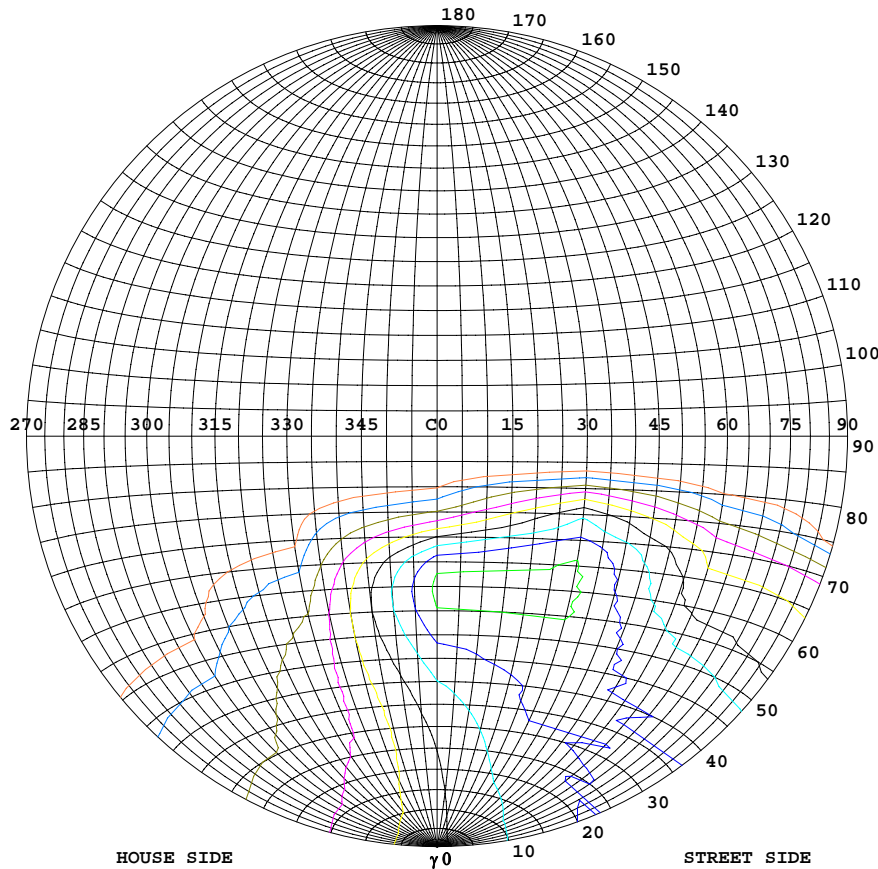


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
MFR.:	SUR.: 570*315	Shielding Angle:



Classification:

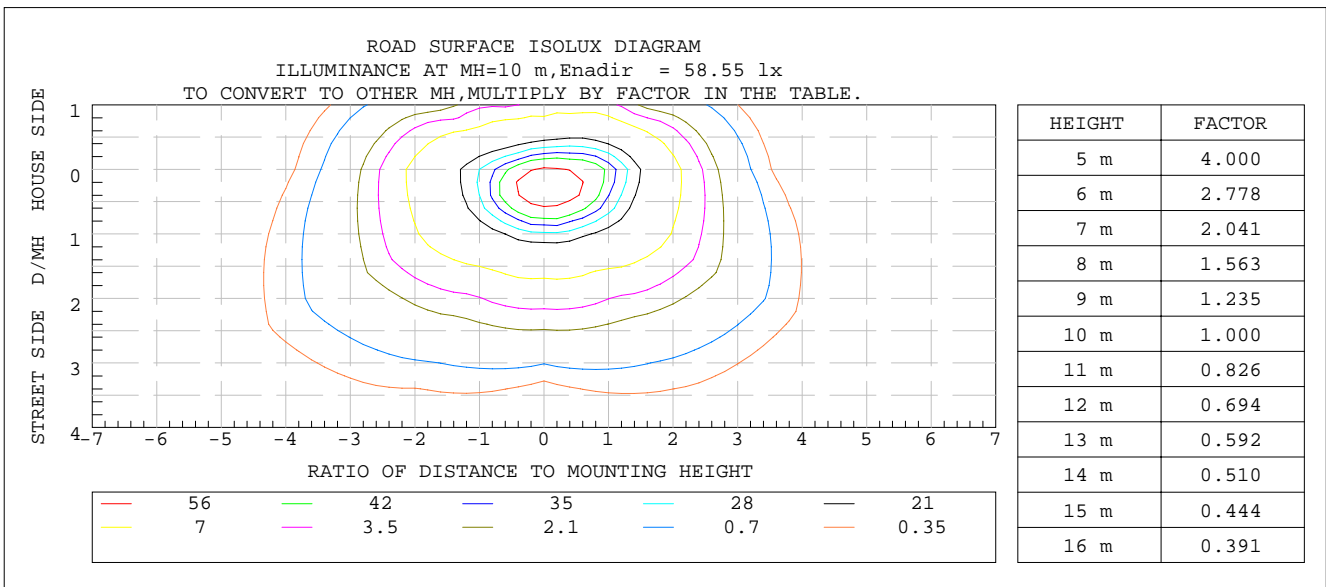
IES:Type III - Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:113.6cd/klm
 Max.At90:3.165cd/klm
 Max.80-90:113.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12077
90%	10869
80%	9662
70%	8454
60%	7246
50%	6038
40%	4831
30%	3623
20%	2415
10%	1208
5%	604

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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
MFR.:	SUR.: 570*315	Shielding Angle:

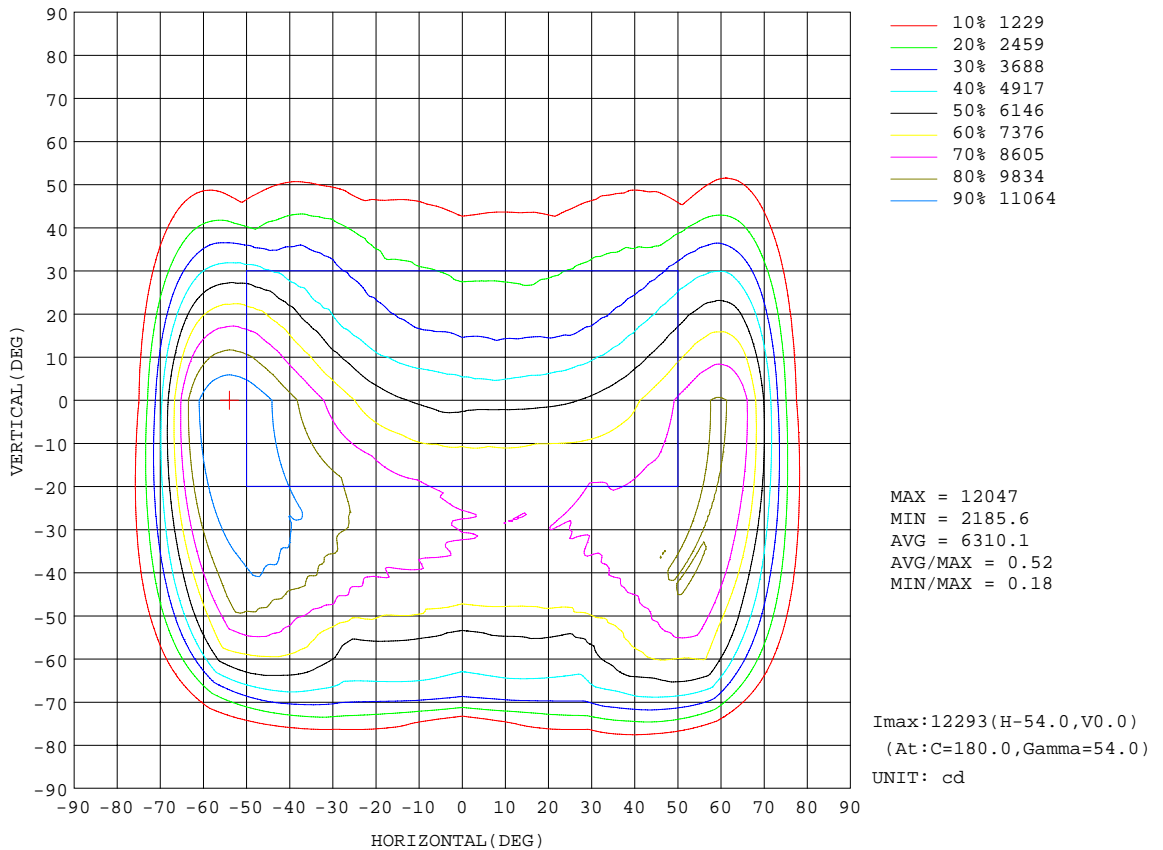
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	572.7	678.4	730.9	698.1	592.8	483.9	430.0	469.4	0- 10	552.6	552.6	2.11,2.11
20	583.2	772.6	849.8	834.1	659.4	415.6	310.6	374.0	10- 20	1675	2228	8.52,8.52
30	620.9	836.0	861.8	940.9	808.5	381.1	228.0	305.5	20- 30	2824	5052	19.3,19.3
40	710.3	856.3	823.8	994.1	1002	353.6	145.8	256.0	30- 40	3949	9001	34.4,34.4
50	860.3	840.0	702.0	985.7	1184	287.0	64.16	195.0	40- 50	4871	13872	53,53
60	975.5	774.7	525.6	862.1	1121	120.7	23.55	104.3	50- 60	5208	19080	72.9,72.9
70	597.0	655.5	317.0	656.2	451.7	32.66	13.73	34.20	60- 70	4515	23594	90.2,90.2
80	55.17	180.7	14.76	104.1	27.56	13.10	6.412	14.21	70- 80	2043	25637	98,98
90	4.992	5.995	6.023	6.216	5.433	6.365	3.808	6.539	80- 90	190.3	25828	98.7,98.7
100	5.432	4.919	4.664	5.266	5.636	5.653	4.154	5.901	90-100	59.51	25887	99,99
110	5.779	4.549	3.849	4.772	5.904	5.720	4.920	6.167	100-110	55.66	25943	99.2,99.2
120	5.802	4.374	3.478	4.494	5.682	5.819	5.425	6.185	110-120	51.70	25995	99.4,99.4
130	5.524	4.346	3.736	4.375	5.436	5.843	5.831	6.281	120-130	46.37	26041	99.5,99.5
140	5.492	4.448	3.904	4.297	5.391	5.849	5.967	6.408	130-140	40.29	26081	99.7,99.7
150	5.629	4.676	4.121	4.468	5.461	5.900	6.038	6.503	140-150	33.20	26114	99.8,99.8
160	5.800	5.020	4.635	5.006	5.454	5.857	6.061	6.548	150-160	25.30	26140	99.9,99.9
170	5.709	5.333	5.188	5.485	5.393	5.716	5.930	6.282	160-170	15.97	26156	100,100
180	5.481	5.530	5.527	5.768	5.503	5.529	5.511	5.766	170-180	5.364	26161	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

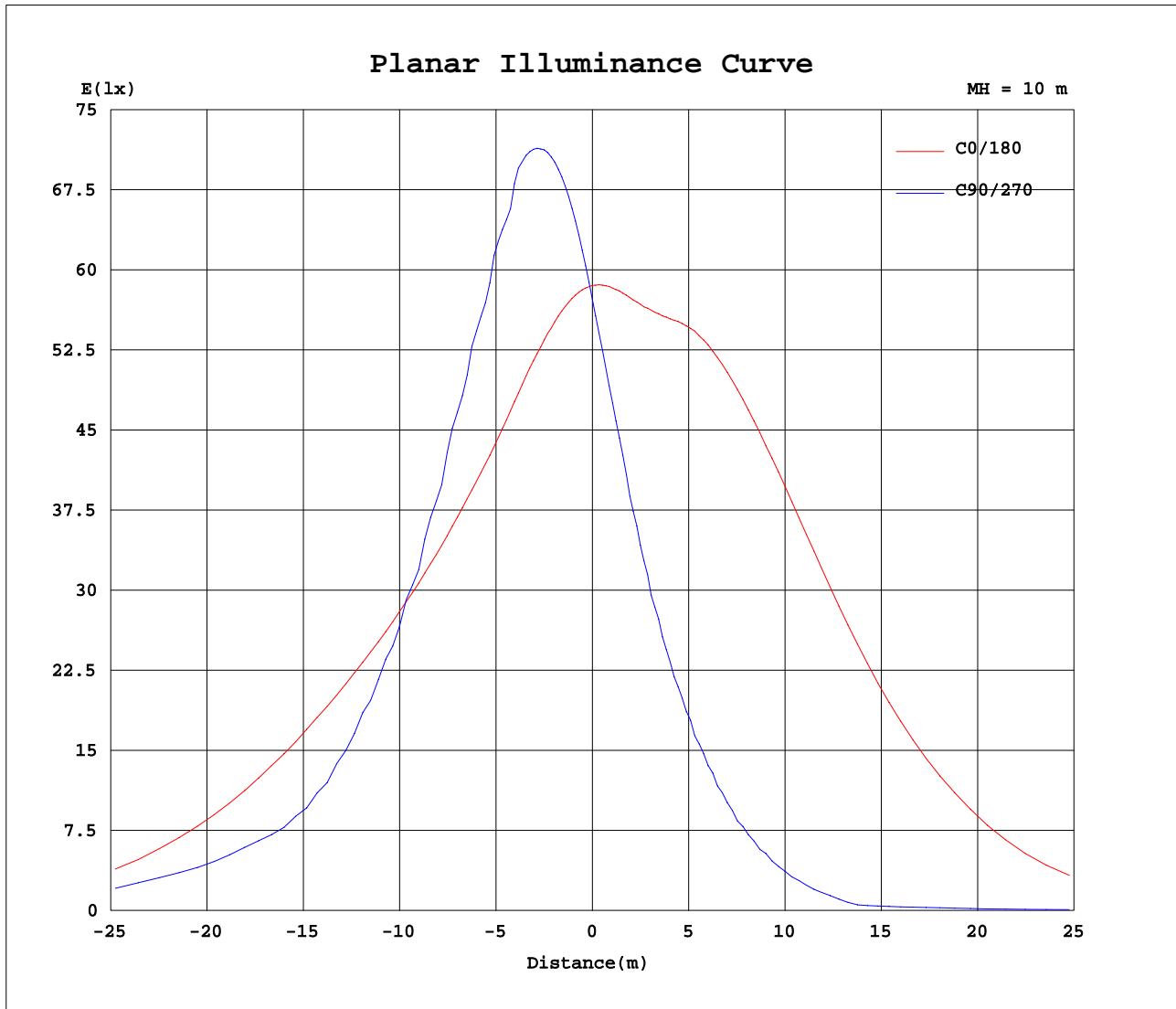
Test:U:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
MFR.:	SUR.: 570*315	Shielding Angle:



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



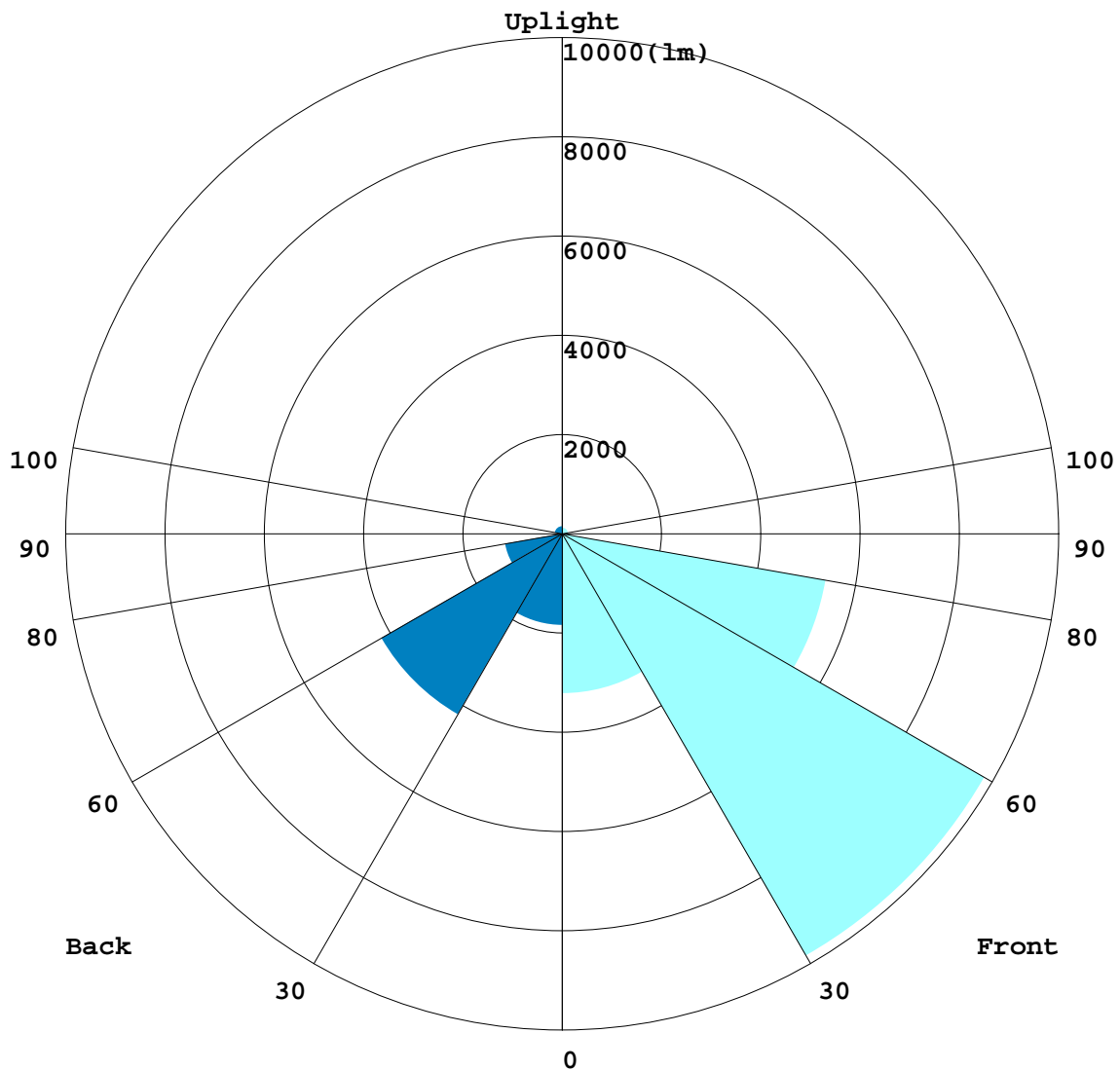
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 05 June 2021

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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
MFR.:	SUR.: 570*315	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3213.5	12.3
FM - Front-Medium(30-60)	9822.1	37.5
FH - Front-High(60-80)	5390.8	20.6
FVH - Front-Very High(80-90)	140.73	0.5
Total Forward Light	18718	71.5

BL - Back-Low(0-30)	1838.5	7.0
BM - Back-Medium(30-60)	4205.5	16.1
BH - Back-High(60-80)	1167	4.5
BVH - Back-Very High(80-90)	49.535	0.2
Total Back Light	7442.9	28.5

UL - Uplight-Low(90-100)	59.512	0.2
UH - Uplight-High(100-180)	273.87	1.0
Total Up Light	333.38	1.3

BUG(Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7260.5	182.45	7442.9
Street Side	18567	150.93	18718

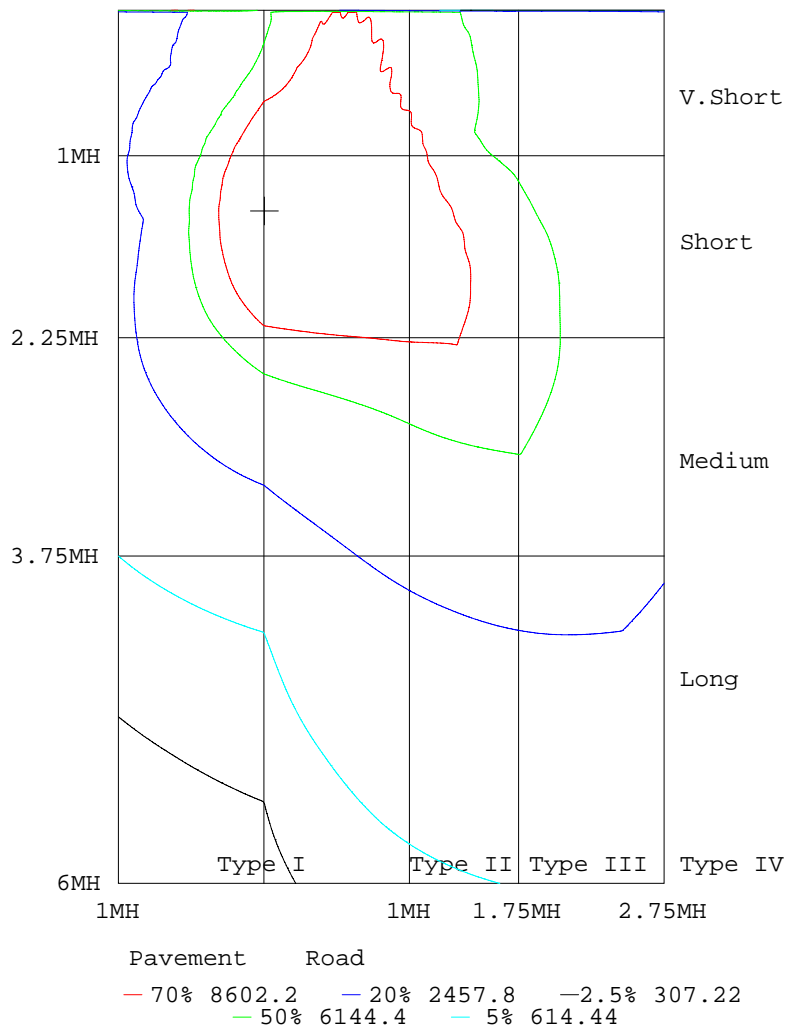
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:05 June 2021

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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
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:120.04V I:2.0174A P:241.12W PF:0.9956 Freq:59.98Hz Lamp Flux:26161x1 lm		
NAME: TS-SL0724-240W-H4-1	TYPE:	WEIGHT:
SPEC.: 570*315	DIM.:	SERIAL No.: 20210605013
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	575	575	575	575	575	575	575	575	575	575	575	575							
5	573	613	643	657	648	622	581	541	512	499	507	533							
10	573	651	706	731	720	676	593	512	455	430	445	494							
15	576	691	763	796	792	739	616	492	401	366	385	459							
20	583	732	814	850	857	811	659	480	351	311	329	419							
25	596	775	834	861	901	884	726	472	317	269	282	388							
30	621	814	858	862	923	959	808	477	285	228	250	362							
35	659	853	855	854	923	1035	901	486	257	185	212	344							
40	710	865	848	824	918	1071	1002	487	220	146	177	335							
45	779	912	810	758	869	1141	1104	479	181	104	136	318							
50	860	933	747	702	811	1162	1184	446	128	64.2	95.8	295							
55	942	963	679	587	718	1180	1204	347	64.5	25.0	56.4	253							
60	976	986	562	526	605	1121	1121	213	28.0	23.6	25.6	184							
65	891	964	520	473	551	1040	863	105	25.4	19.0	23.1	105							
70	597	865	445	317	462	852	452	46.0	19.3	13.7	17.9	50.6							
75	246	684	258	38.0	265	565	118	26.9	13.5	8.79	11.9	31.6							
80	55.2	297	63.4	14.8	59.6	149	27.6	16.3	9.91	6.41	8.23	20.2							
85	12.2	24.1	8.88	8.55	8.85	9.44	7.77	10.6	7.64	5.60	6.56	13.1							
90	4.99	5.93	6.06	6.02	6.20	6.23	5.43	7.23	5.50	3.81	4.81	8.28							
95	5.15	5.40	5.08	5.17	5.41	5.86	5.48	6.39	5.13	3.93	4.84	6.99							
100	5.43	5.23	4.60	4.66	4.91	5.63	5.64	6.19	5.11	4.15	5.06	6.74							
105	5.65	5.17	4.26	4.23	4.50	5.48	5.83	6.05	5.29	4.56	5.40	6.72							
110	5.78	5.12	3.97	3.85	4.14	5.41	5.90	5.98	5.46	4.92	5.67	6.67							
115	5.85	5.04	3.83	3.55	3.91	5.32	5.83	5.96	5.59	5.20	5.85	6.56							
120	5.80	4.97	3.78	3.48	3.79	5.20	5.68	5.99	5.65	5.42	5.98	6.39							
125	5.68	4.90	3.78	3.47	3.76	5.07	5.53	5.96	5.70	5.62	6.13	6.35							
130	5.52	4.84	3.85	3.74	3.84	4.91	5.44	5.89	5.79	5.83	6.24	6.32							
135	5.48	4.82	3.95	3.84	3.89	4.75	5.39	5.87	5.81	5.92	6.35	6.35							
140	5.49	4.87	4.03	3.90	3.93	4.67	5.39	5.83	5.87	5.97	6.43	6.39							
145	5.52	4.96	4.13	4.00	3.99	4.69	5.42	5.82	5.94	6.01	6.47	6.45							
150	5.63	5.08	4.27	4.12	4.10	4.84	5.46	5.81	5.99	6.04	6.49	6.51							
155	5.73	5.19	4.49	4.34	4.33	5.07	5.49	5.79	6.05	6.08	6.56	6.59							
160	5.80	5.29	4.75	4.64	4.65	5.37	5.45	5.70	6.02	6.06	6.56	6.53							
165	5.80	5.38	5.03	4.94	4.98	5.61	5.43	5.63	6.03	6.07	6.52	6.46							
170	5.71	5.41	5.26	5.19	5.24	5.73	5.39	5.54	5.89	5.93	6.28	6.29							
175	5.61	5.43	5.46	5.36	5.46	5.81	5.41	5.47	5.71	5.64	5.92	6.01							
180	5.48	5.45	5.61	5.53	5.67	5.87	5.50	5.43	5.62	5.51	5.67	5.86							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
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 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]
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