

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P381252

Luminaire Tested: **USSL-PA1A-740-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-PA1A-740-U-T3-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

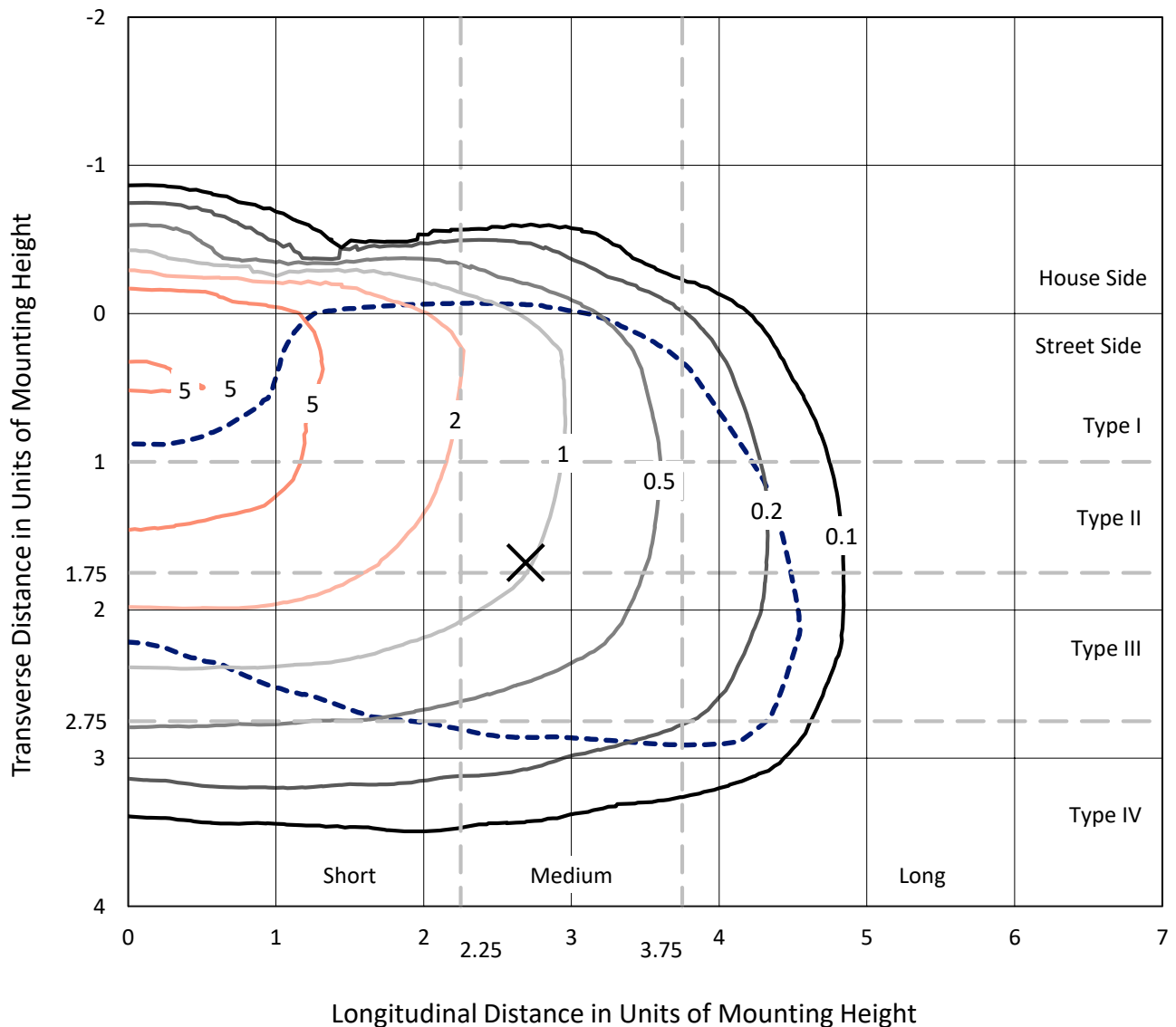


REPORT NUMBER: P381252

CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

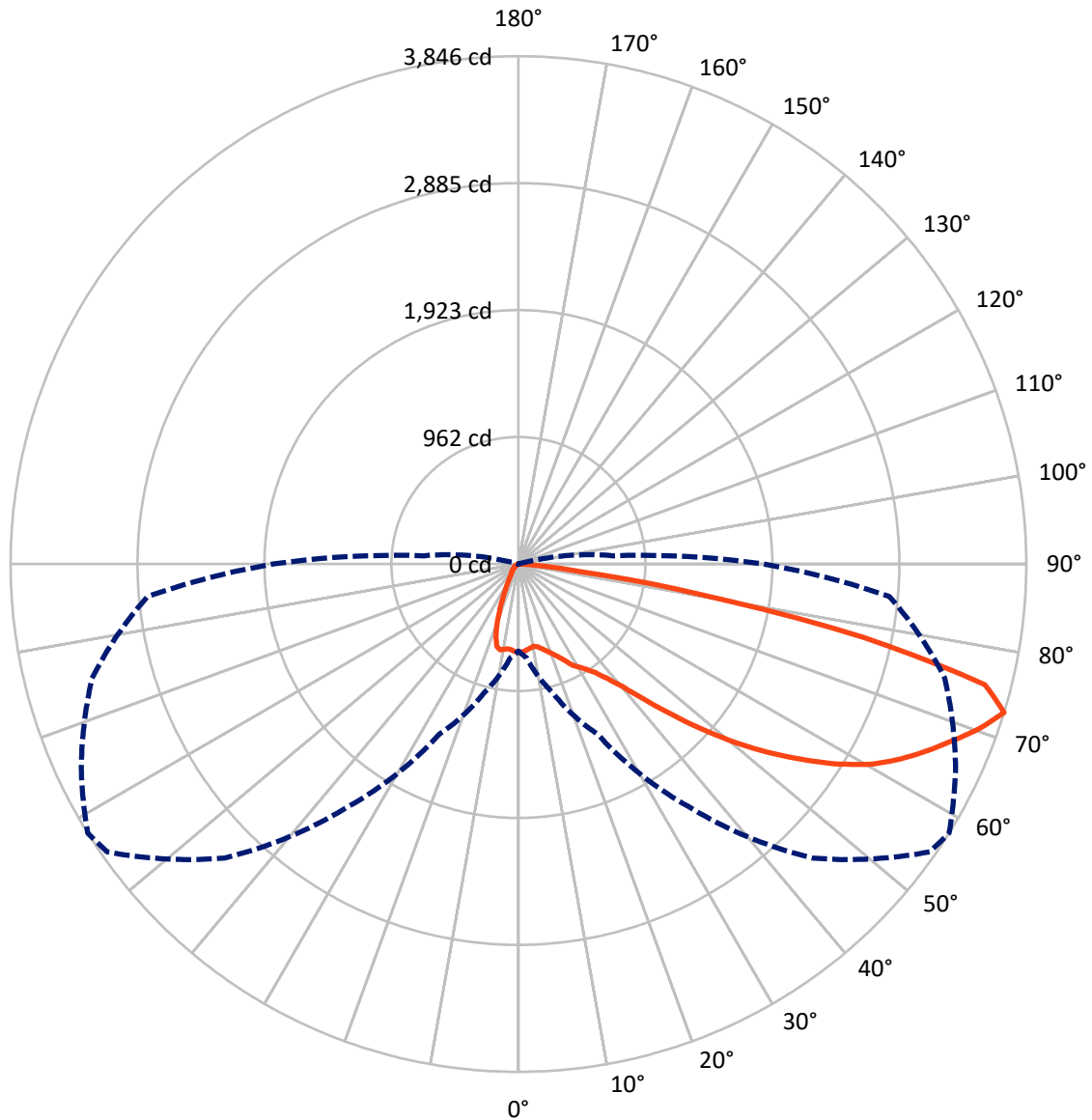


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P381252

CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P381252

CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

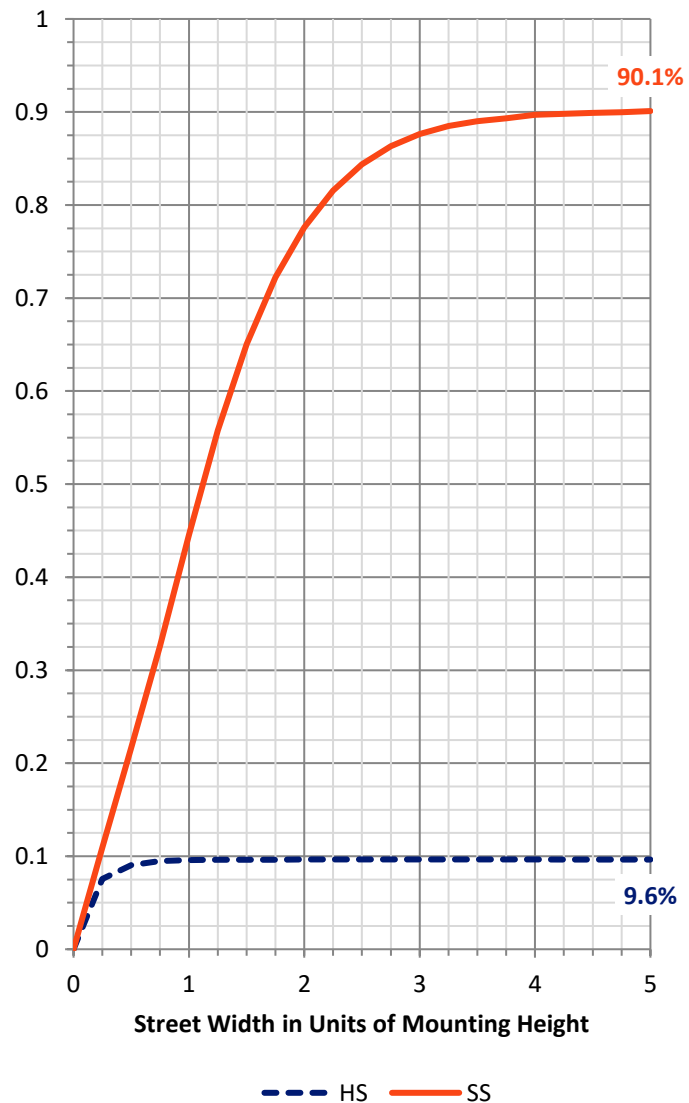
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	543.8	0.0	543.8
	% Fixture	9.7	0.0	9.7
Street Side	Lumens	5048.2	0.0	5048.2
	% Fixture	90.3	0.0	90.3
Total	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.1
10°-20°	160.4	2.9
20°-30°	252.0	4.5
30°-40°	434.5	7.8
40°-50°	826.7	14.8
50°-60°	1309.3	23.4
60°-70°	1527.8	27.3
70°-80°	956.9	17.1
80°-90°	62.8	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5592.0	100.0
0°-180°	5592.0	100.0

Coefficient of Utilization



REPORT NUMBER: P381252

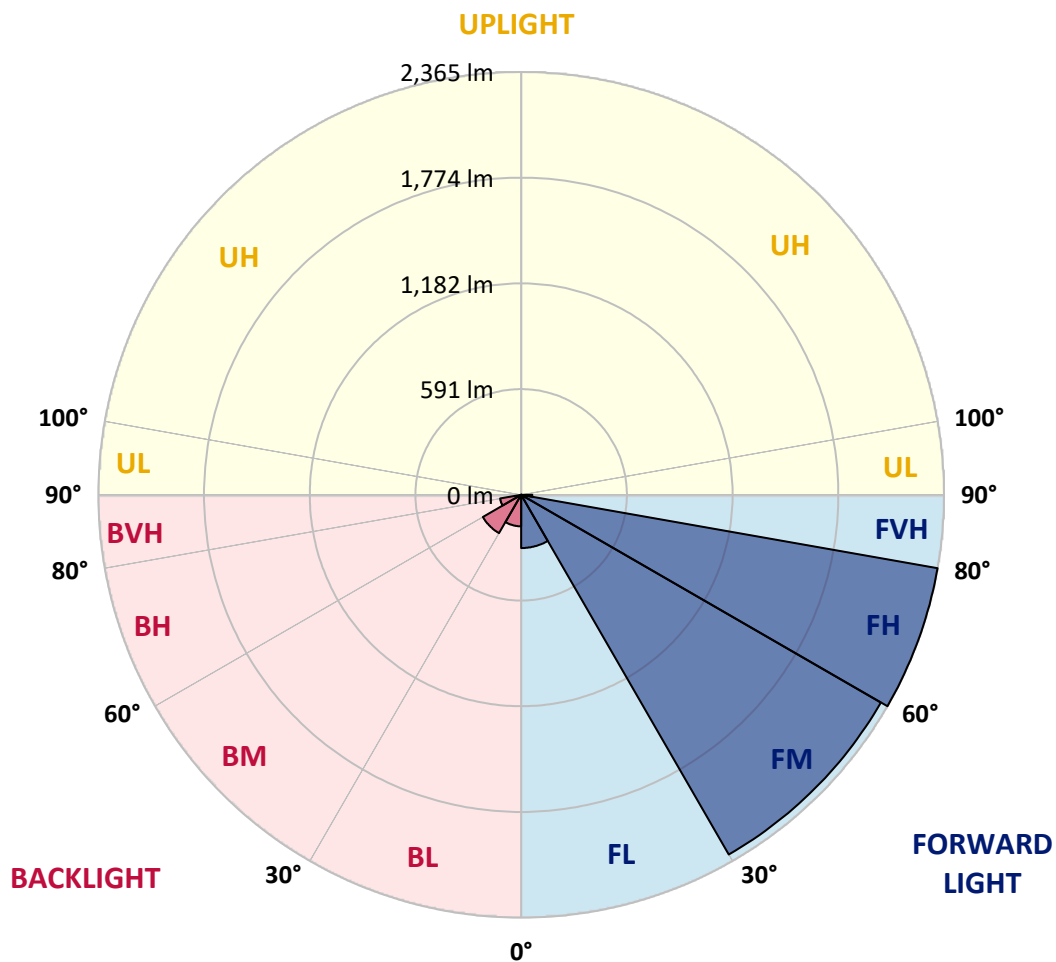
CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.8	5.3			
FM	(30°-60°)	2323.1	41.5			
FH	(60°-80°)	2365.0	42.3			G2/5000
FVH	(80°-90°)	62.2	1.1			G1/100
BL	(0°-30°)	176.1	3.1	B1/500		
BM	(30°-60°)	247.4	4.4	B1/1000		
BH	(60°-80°)	119.7	2.1	B1/500		G1/500
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P381252

CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	671	671	671	671	671	671	671	671	671	671	671
2.5°	668	665	664	663	664	665	662	665	663	664	666
5°	644	641	640	641	644	649	651	654	654	657	658
7.5°	617	615	614	616	622	633	639	643	647	653	659
10°	602	601	600	603	609	619	627	633	648	665	676
12.5°	592	592	594	600	608	616	635	643	666	692	707
15°	584	584	587	598	609	628	656	665	692	724	744
17.5°	578	580	582	593	614	646	679	692	725	760	782
20°	579	581	582	593	623	667	709	724	762	799	821
22.5°	585	588	589	604	639	689	743	760	801	840	857
25°	610	612	606	619	662	723	787	805	846	882	896
27.5°	695	697	664	649	680	751	841	866	917	941	943
30°	879	881	816	745	723	775	871	906	972	999	987
32.5°	1116	1114	1025	920	825	817	914	951	1023	1049	1040
35°	1354	1357	1281	1123	987	896	969	1012	1099	1136	1120
37.5°	1517	1537	1504	1333	1186	1042	1058	1104	1213	1263	1229
40°	1747	1742	1662	1536	1406	1258	1202	1224	1349	1416	1363
42.5°	2056	2046	1910	1787	1642	1521	1407	1403	1505	1583	1506
45°	2336	2321	2228	2109	1950	1811	1657	1622	1693	1759	1669
47.5°	2559	2534	2468	2405	2366	2150	1919	1866	1902	1951	1824
50°	2823	2754	2658	2620	2701	2534	2171	2120	2118	2146	1984
52.5°	2943	2818	2764	2796	2939	2891	2443	2370	2341	2344	2133
55°	2798	2784	2813	2913	3100	3072	2704	2614	2571	2517	2276
57.5°	2633	2676	2791	2982	3304	3261	2961	2859	2780	2656	2435
60°	2481	2525	2715	2998	3416	3443	3175	3078	2961	2798	2610
62.5°	2250	2284	2551	2975	3367	3549	3324	3251	3142	2933	2811
65°	1990	2012	2276	2791	3271	3537	3447	3406	3300	3074	3010
67.5°	1705	1731	1951	2460	3083	3481	3563	3559	3438	3230	3154
70°	1377	1379	1561	2040	2755	3369	3707	3716	3570	3347	3160
72.5°	659	713	1012	1424	2239	3149	3801	3846	3653	3343	2819
75°	151	156	295	677	1313	2417	3566	3650	3451	2891	1986
77.5°	55	58	83	198	505	1249	2552	2675	2551	1869	939
80°	37	36	43	88	232	354	1305	1378	1258	638	225
82.5°	19	20	30	49	156	123	436	474	390	128	42
85°	9	9	17	31	66	43	97	117	105	56	14
87.5°	9	9	16	20	34	18	24	30	28	30	5
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P381252

CATALOG NUMBER: USSL-PA1A-740-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	671	671	671	671	671	671	671	671	671	671	671
2.5°	666	665	664	666	665	667	667	669	669	667	666
5°	657	655	653	653	652	654	660	665	666	663	662
7.5°	658	658	656	652	645	645	645	651	654	652	651
10°	676	677	672	663	651	640	619	588	559	551	548
12.5°	707	708	698	682	657	592	512	438	381	365	362
15°	744	745	727	701	625	474	355	271	221	209	208
17.5°	782	780	753	703	530	336	216	173	160	157	158
20°	819	813	776	666	408	220	158	148	145	143	143
22.5°	853	841	795	593	286	158	141	139	135	132	131
25°	887	870	807	498	192	138	133	129	124	120	119
27.5°	928	904	801	378	144	128	124	118	111	105	103
30°	967	940	767	261	123	118	112	103	94	87	85
32.5°	1016	985	706	171	107	103	97	86	74	66	64
35°	1086	1051	628	120	94	87	79	67	54	48	47
37.5°	1184	1137	530	97	83	73	61	49	40	35	34
40°	1304	1232	421	86	74	61	46	35	29	25	25
42.5°	1434	1321	310	79	65	50	34	25	21	19	18
45°	1568	1400	209	73	57	38	24	17	14	14	13
47.5°	1707	1453	135	66	48	28	16	12	10	10	10
50°	1845	1481	96	60	39	19	12	9	8	8	8
52.5°	1945	1463	77	52	30	14	9	7	6	6	6
55°	2032	1432	67	45	22	10	7	6	5	5	5
57.5°	2121	1392	60	38	16	7	5	4	4	4	4
60°	2202	1324	52	30	11	5	4	3	3	3	3
62.5°	2281	1266	45	23	8	4	2	2	1	1	1
65°	2326	1188	36	15	5	3	1	1	0	0	0
67.5°	2312	1095	25	9	3	2	1	0	0	0	0
70°	2215	970	15	5	3	2	1	0	0	0	0
72.5°	1855	718	9	4	2	1	0	0	0	0	0
75°	1239	330	5	3	1	1	0	0	0	0	0
77.5°	567	99	3	2	1	0	0	0	0	0	0
80°	114	26	2	1	0	0	0	0	0	0	0
82.5°	24	5	1	0	0	0	0	0	0	0	0
85°	5	2	0	0	0	0	0	0	0	0	0
87.5°	2	1	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)