

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: P510891

Luminaire Tested: **USSL-P-C014-D-U-T2-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C014-D-U-T2-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 600mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4474 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34.6
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: 24 FT

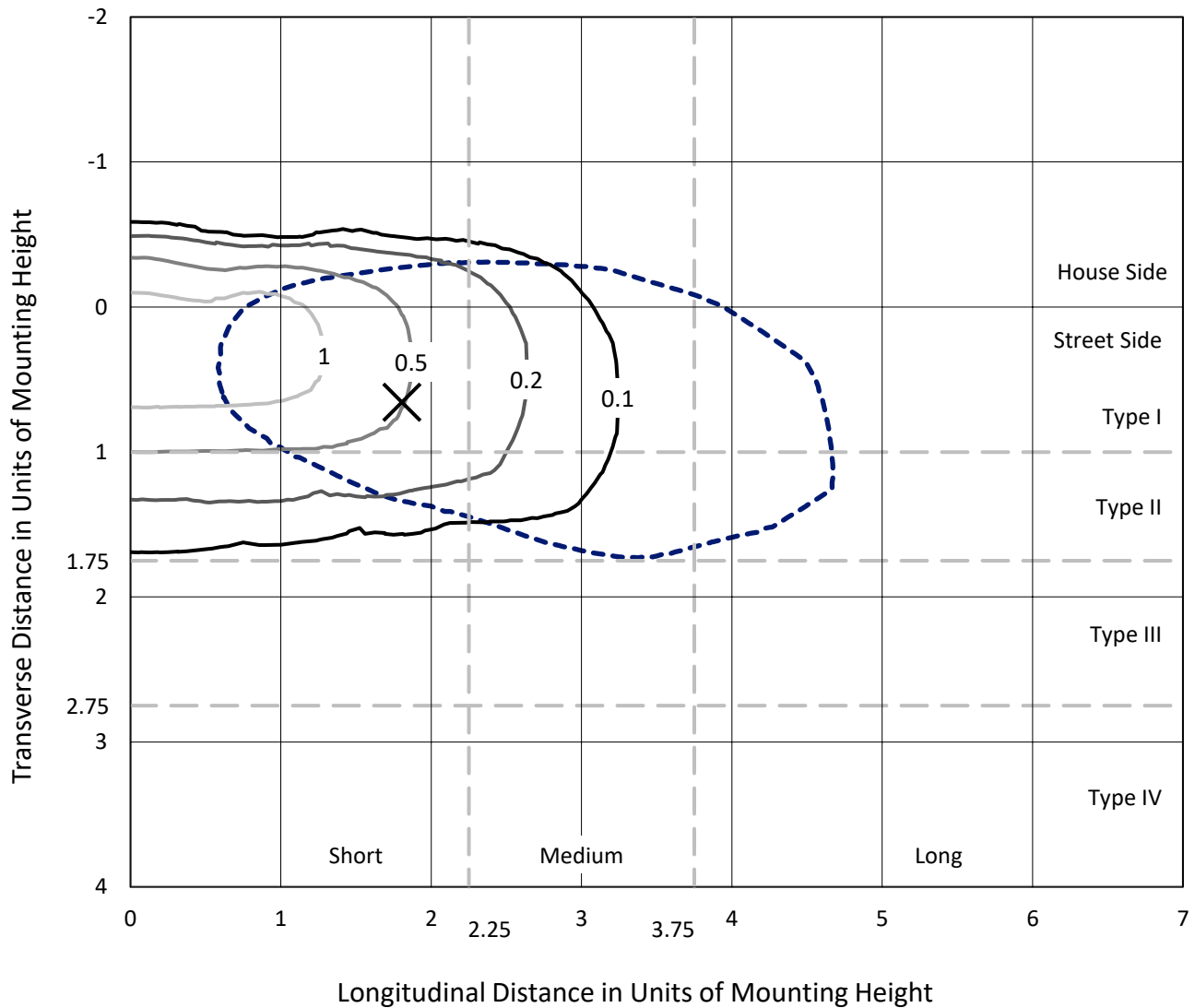


REPORT NUMBER: P510891

CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

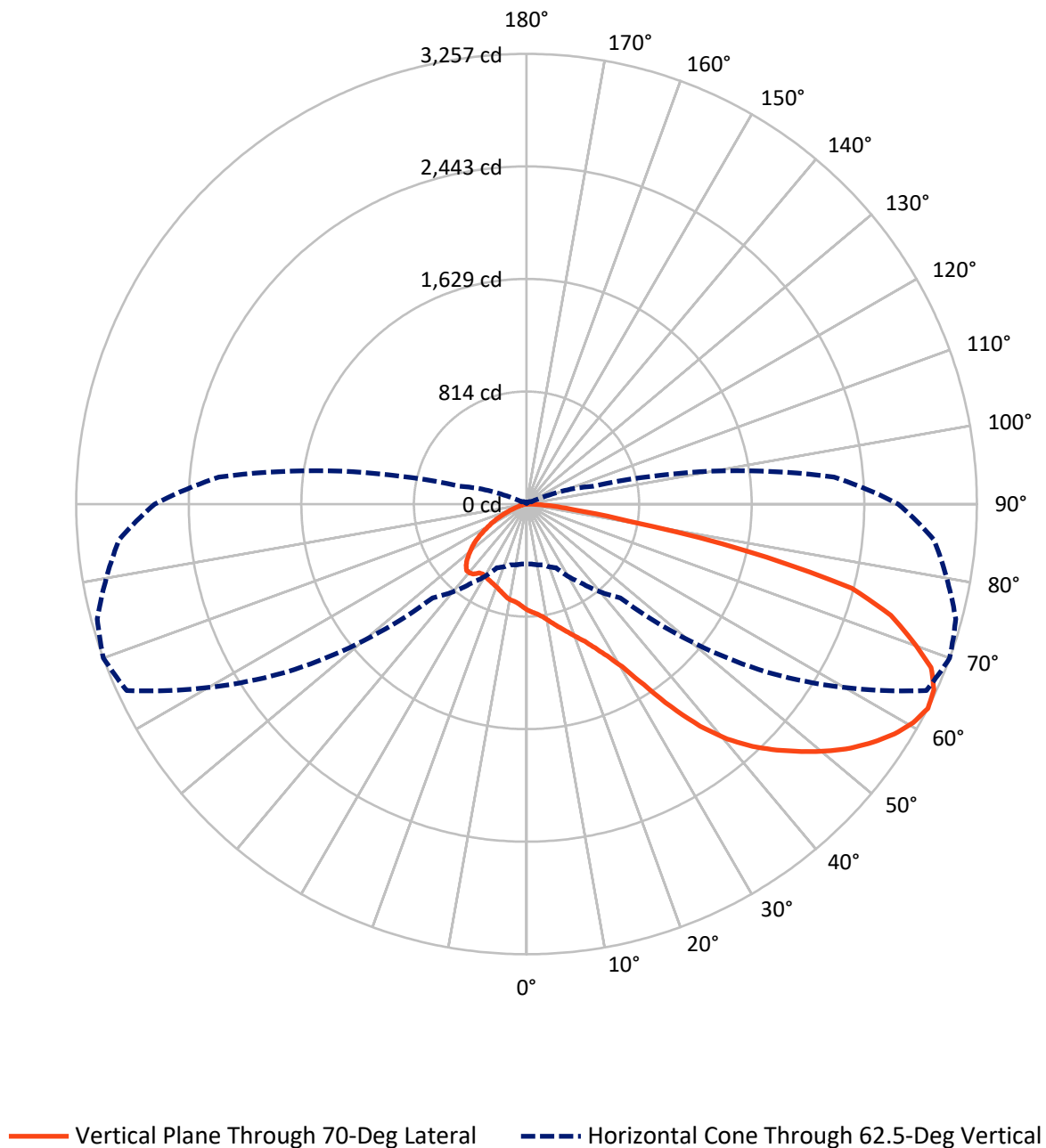


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Short - N/A

REPORT NUMBER: P510891

CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P510891

CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

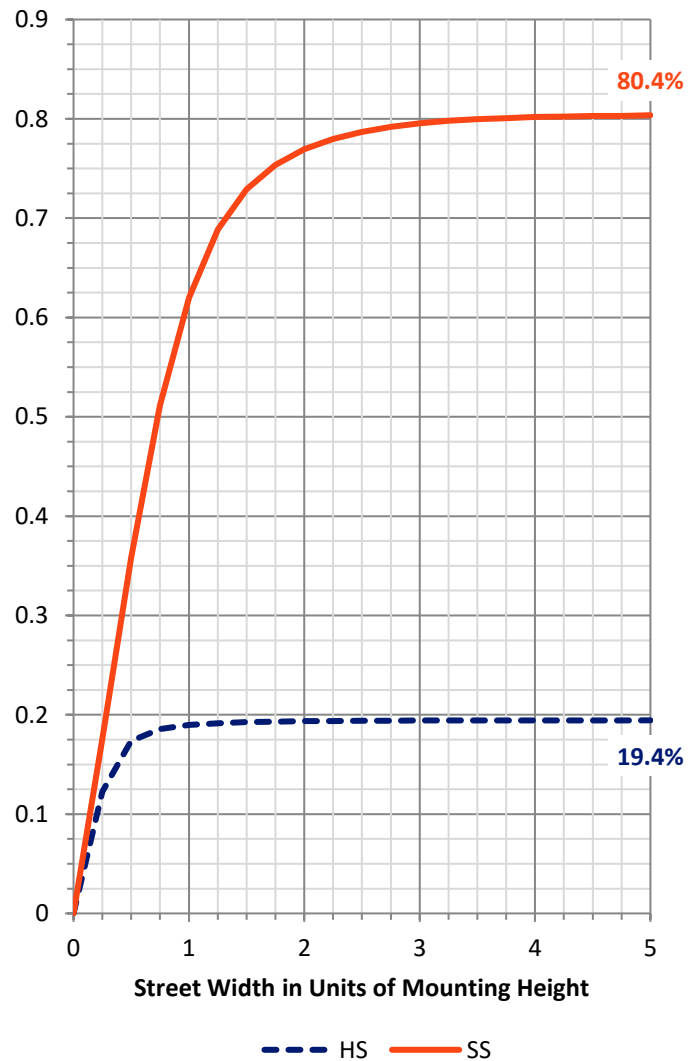
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	880.1	0.0	880.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3593.9	0.0	3593.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	4474.0	0.0	4474.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	1.6
10°-20°	219.4	4.9
20°-30°	370.9	8.3
30°-40°	568.6	12.7
40°-50°	792.9	17.7
50°-60°	923.6	20.6
60°-70°	907.3	20.3
70°-80°	545.8	12.2
80°-90°	72.7	1.6
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°	4474.0	100.0
0°-180°	4474.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510891

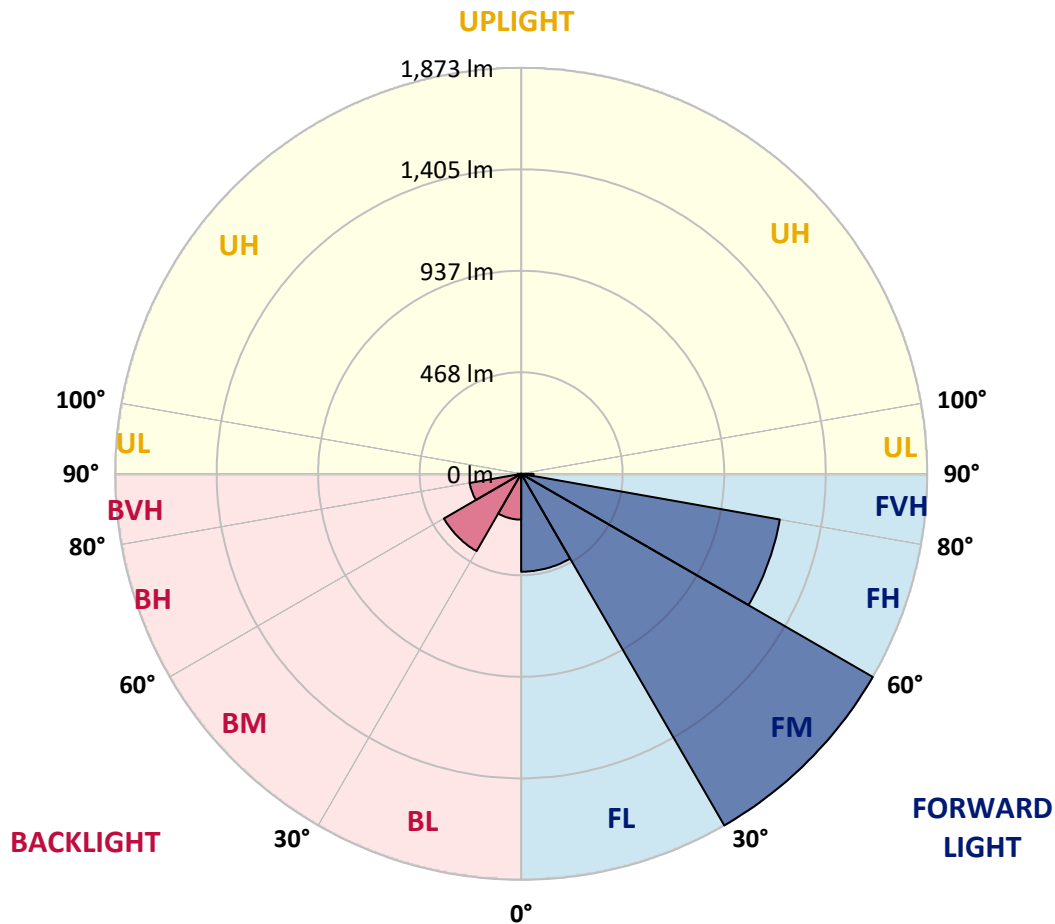
CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.6	10.1			
FM	(30°-60°)	1873.2	41.9			
FH	(60°-80°)	1211.6	27.1			G1/1800
FVH	(80°-90°)	57.4	1.3			G1/100
BL	(0°-30°)	211.6	4.7	B1/500		
BM	(30°-60°)	411.8	9.2	B1/1000		
BH	(60°-80°)	241.5	5.4	B1/500		G1/500
BVH	(80°-90°)	15.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P510891

CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	766	766	766	766	766	766	766	766	766	766	766
2.5°	820	820	817	813	809	804	796	788	783	779	769
5°	877	875	869	858	845	834	821	805	798	789	771
7.5°	924	923	916	909	898	883	859	831	822	810	781
10°	969	969	964	956	944	930	908	877	855	836	797
12.5°	1008	1008	1001	994	983	968	947	914	891	870	814
15°	1050	1047	1040	1036	1020	1007	988	953	932	904	834
17.5°	1092	1088	1079	1075	1062	1047	1031	1000	975	943	862
20°	1124	1122	1116	1115	1108	1090	1079	1048	1024	988	893
22.5°	1161	1160	1157	1152	1154	1149	1134	1107	1079	1046	937
25°	1177	1178	1184	1196	1205	1204	1195	1175	1153	1114	991
27.5°	1186	1186	1196	1227	1265	1268	1264	1261	1243	1200	1064
30°	1188	1189	1209	1251	1312	1339	1349	1370	1366	1338	1176
32.5°	1171	1173	1201	1262	1346	1406	1439	1533	1558	1560	1412
35°	1111	1113	1161	1251	1372	1473	1554	1723	1800	1816	1638
37.5°	1052	1060	1116	1230	1389	1537	1682	1950	2038	2027	1818
40°	1004	1010	1067	1195	1390	1598	1818	2148	2234	2200	1977
42.5°	948	953	1007	1149	1376	1649	1942	2336	2396	2361	2125
45°	883	889	944	1080	1347	1682	2053	2482	2539	2510	2260
47.5°	827	832	883	1008	1291	1691	2162	2639	2675	2638	2381
50°	648	678	813	944	1203	1672	2252	2773	2809	2774	2493
52.5°	570	573	628	876	1095	1617	2321	2890	2935	2889	2615
55°	532	535	563	762	1004	1525	2367	3008	3041	2988	2723
57.5°	499	505	534	606	912	1359	2367	3106	3138	3074	2812
60°	462	466	500	552	810	1137	2281	3180	3213	3157	2897
62.5°	432	436	456	509	700	959	2118	3191	3257	3214	2958
65°	395	398	421	467	627	836	1900	3133	3238	3230	2992
67.5°	349	355	378	419	542	737	1560	3064	3156	3162	2919
70°	292	296	320	363	454	621	1158	2886	2959	3007	2761
72.5°	229	233	258	298	367	516	851	2605	2756	2787	2467
75°	33	42	83	162	294	400	559	2001	2430	2451	2087
77.5°	20	21	32	50	88	268	372	1024	1616	1895	1632
80°	15	16	25	39	57	76	180	563	753	1061	1081
82.5°	8	9	17	28	35	33	76	246	348	444	544
85°	5	5	9	15	14	17	35	128	197	252	272
87.5°	2	2	3	5	5	4	6	30	39	48	30
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P510891

CATALOG NUMBER: USSL-P-C014-D-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	766	766	766	766	766	766	766	766	766	766	766
2.5°	764	759	750	739	730	723	718	715	710	712	714
5°	761	751	732	714	697	683	670	661	654	651	650
7.5°	766	750	722	696	671	645	630	612	602	600	598
10°	776	758	722	684	646	611	584	565	549	542	539
12.5°	786	760	714	665	615	572	537	507	490	488	483
15°	799	766	701	640	579	526	488	461	442	439	438
17.5°	818	776	693	615	544	483	449	430	401	400	395
20°	842	793	691	588	509	447	412	394	363	350	348
22.5°	876	815	690	565	477	416	374	342	308	279	273
25°	917	842	692	546	446	382	320	262	227	201	191
27.5°	969	878	695	527	415	337	249	187	156	139	135
30°	1059	929	699	507	382	272	171	135	109	90	90
32.5°	1245	1067	707	488	342	202	124	92	68	58	60
35°	1459	1255	744	462	288	134	84	56	43	45	47
37.5°	1635	1401	832	436	217	94	51	39	39	40	47
40°	1781	1542	894	399	143	58	33	36	34	35	33
42.5°	1928	1660	943	350	92	35	30	34	32	32	28
45°	2052	1767	968	279	52	29	28	32	31	30	26
47.5°	2173	1869	980	193	33	26	26	29	29	25	23
50°	2286	1957	974	106	31	25	26	24	25	20	18
52.5°	2395	2033	926	64	29	25	23	21	20	15	15
55°	2485	2096	838	50	29	24	21	18	16	12	13
57.5°	2565	2160	719	46	30	23	19	16	13	10	9
60°	2642	2216	606	42	31	23	16	13	9	8	7
62.5°	2689	2234	502	38	31	21	15	11	7	6	5
65°	2678	2191	394	36	30	19	13	9	6	4	4
67.5°	2574	2042	286	35	29	19	12	7	5	3	3
70°	2341	1820	197	32	26	16	12	6	4	3	2
72.5°	2049	1610	132	28	21	12	7	5	3	2	2
75°	1755	1279	91	22	16	10	5	4	3	2	1
77.5°	1318	922	68	17	12	6	3	2	2	1	1
80°	910	634	53	9	4	3	2	2	1	1	1
82.5°	487	338	33	6	2	2	1	1	1	1	1
85°	231	137	11	3	2	1	1	1	1	1	1
87.5°	23	7	3	2	2	1	0	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)