

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: P1211563

Luminaire Tested: **ARCH4-40-750-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-40-750-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 355mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

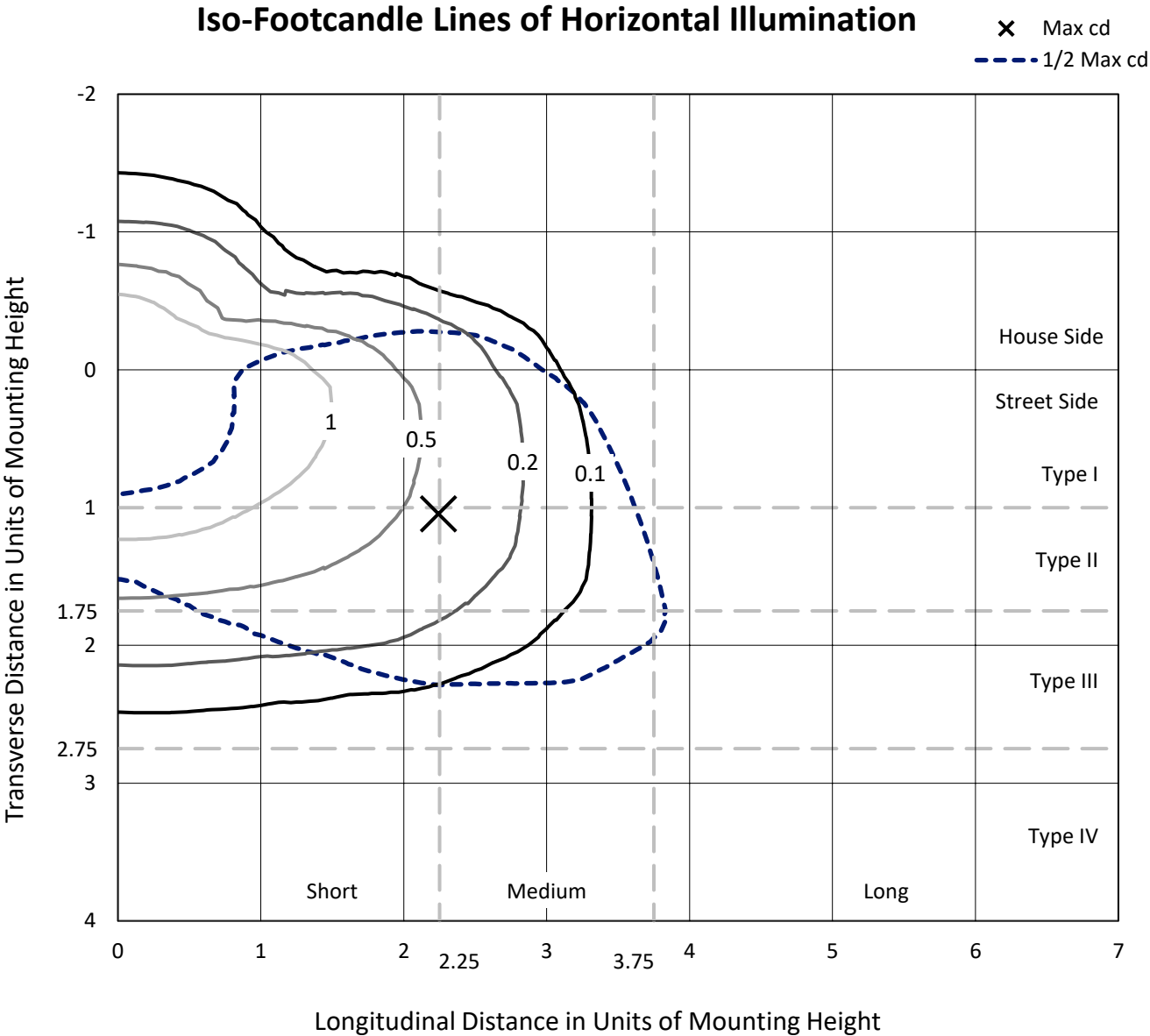
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7755 lumens
Efficiency: N/A
Efficacy: 177.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 43.8
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

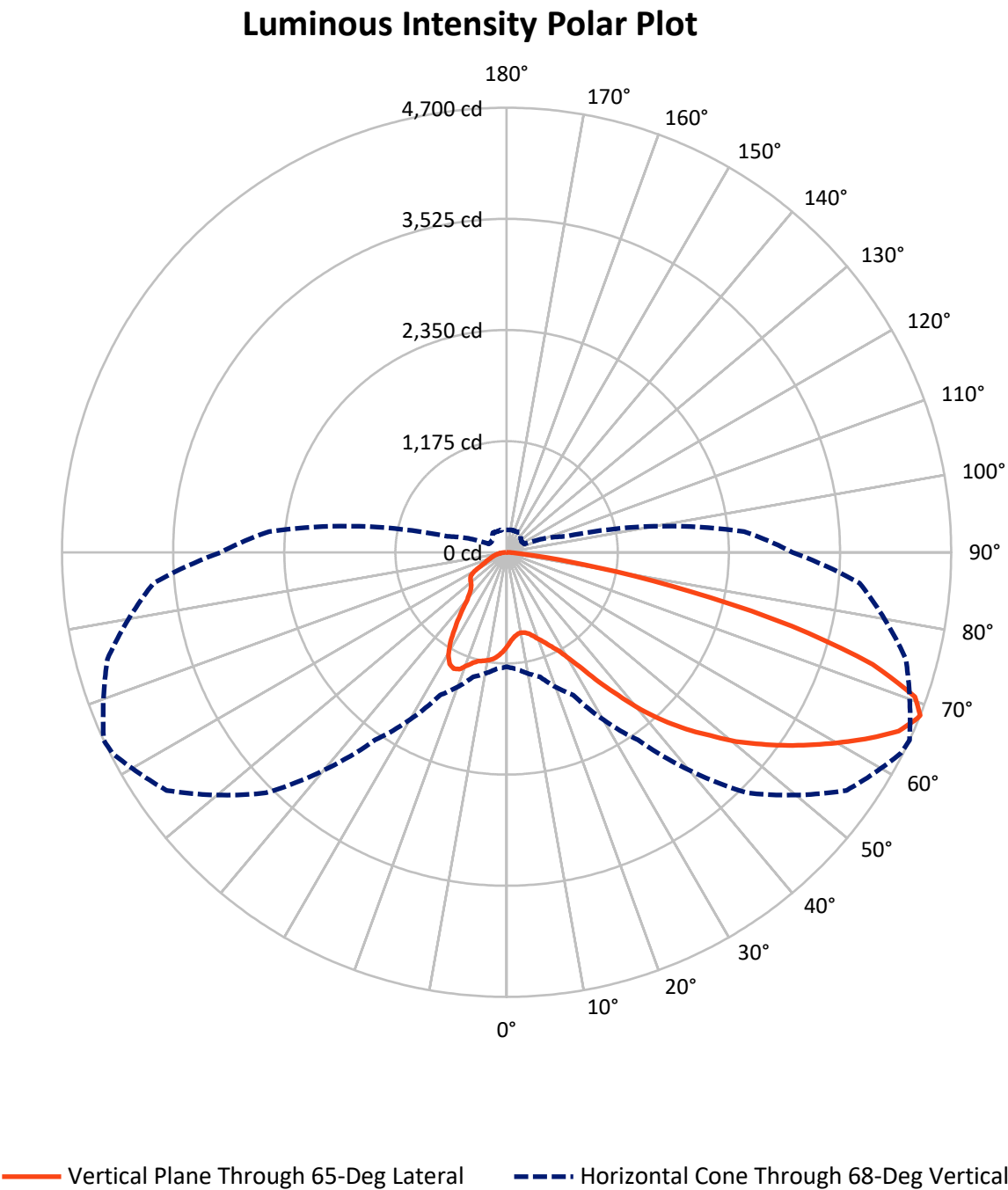


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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1901.3	0.0	1901.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5853.7	0.0	5853.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	7755.0	0.0	7755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.2
10°-20°	308.4	4.0
20°-30°	558.1	7.2
30°-40°	878.0	11.3
40°-50°	1307.7	16.9
50°-60°	1715.4	22.1
60°-70°	1875.9	24.2
70°-80°	928.3	12.0
80°-90°	88.5	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°	7755.0	100.0
0°-180°	7755.0	100.0

Coefficient of Utilization



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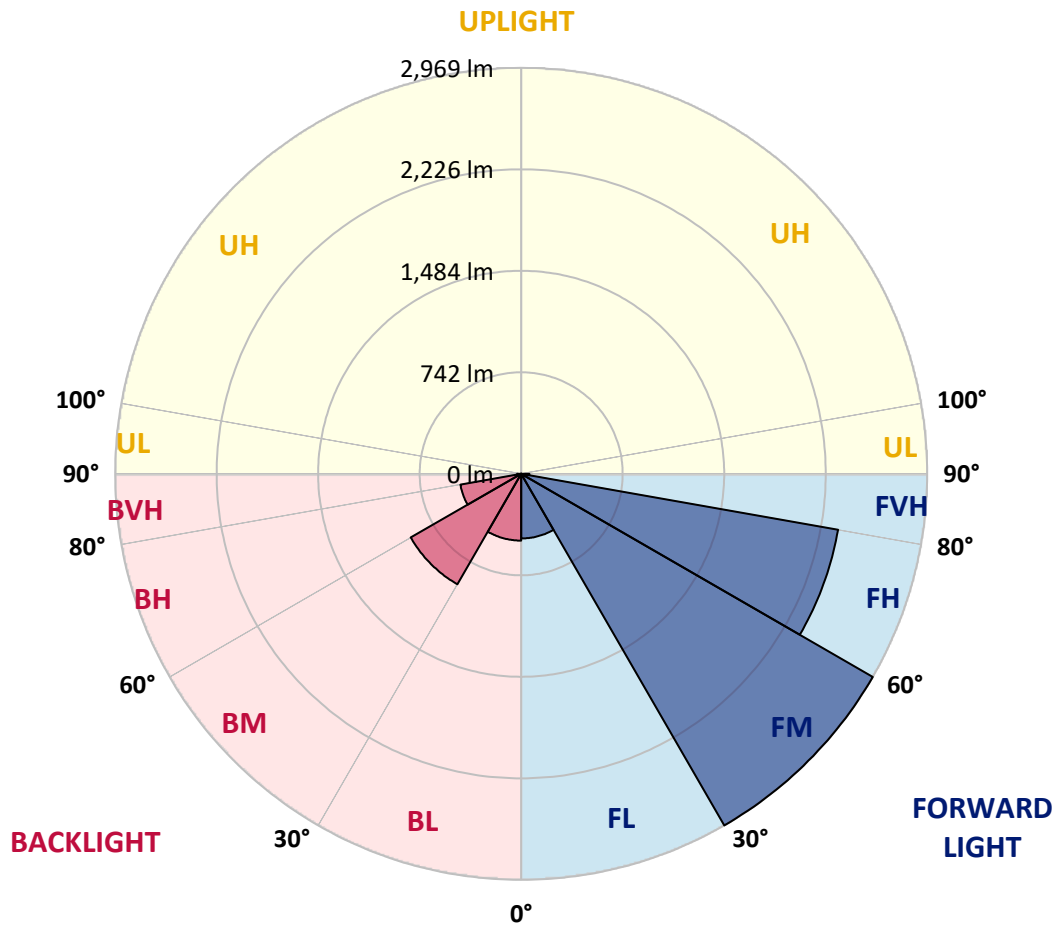
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	472.8	6.1			
FM	(30°-60°)	2968.5	38.3			
FH	(60°-80°)	2352.9	30.3			G2/5000
FVH	(80°-90°)	59.6	0.8			G1/100
BL	(0°-30°)	488.5	6.3	B1/500		
BM	(30°-60°)	932.6	12.0	B1/1000		
BH	(60°-80°)	451.3	5.8	B1/500		G1/500
BVH	(80°-90°)	29.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	991	991	991	991	991	991	991	991	991	991	991
2.5°	865	863	868	873	884	897	915	930	932	960	982
5°	814	811	816	822	827	843	862	884	893	934	981
7.5°	819	818	820	818	818	825	838	860	870	919	986
10°	848	850	851	845	839	836	840	855	862	920	1008
12.5°	896	899	900	889	881	868	861	867	872	930	1039
15°	961	963	956	949	929	913	896	891	893	951	1074
17.5°	1037	1034	1034	1017	991	966	938	934	934	985	1124
20°	1120	1123	1114	1091	1065	1026	998	980	982	1024	1185
22.5°	1240	1245	1221	1188	1148	1103	1063	1034	1035	1075	1248
25°	1369	1371	1356	1312	1258	1194	1141	1104	1103	1132	1329
27.5°	1501	1510	1480	1438	1388	1308	1238	1188	1180	1219	1430
30°	1637	1648	1619	1578	1516	1448	1365	1307	1302	1354	1565
32.5°	1774	1777	1754	1720	1664	1600	1533	1469	1464	1549	1740
35°	1886	1895	1879	1871	1830	1771	1706	1669	1682	1791	1967
37.5°	2021	2030	2012	2010	1997	1946	1901	1904	1917	2065	2206
40°	2216	2226	2180	2160	2160	2110	2095	2166	2183	2335	2455
42.5°	2381	2397	2370	2357	2318	2283	2301	2401	2430	2593	2672
45°	2461	2473	2505	2543	2505	2444	2512	2625	2666	2831	2889
47.5°	2504	2515	2552	2654	2680	2629	2725	2866	2894	3067	3096
50°	2510	2545	2593	2695	2814	2821	2939	3111	3144	3299	3278
52.5°	2461	2475	2574	2746	2878	2998	3172	3346	3370	3517	3439
55°	2381	2401	2500	2734	2940	3166	3409	3577	3604	3729	3588
57.5°	2309	2319	2425	2699	3002	3334	3620	3818	3836	3915	3698
60°	2229	2240	2346	2624	3048	3461	3840	4061	4077	4111	3826
62.5°	2022	2051	2184	2500	3036	3606	4075	4301	4321	4284	3927
65°	1642	1683	1846	2219	2924	3700	4267	4522	4556	4414	3954
67.5°	1275	1304	1435	1761	2531	3653	4391	4674	4684	4393	3804
68°	1209	1238	1363	1665	2422	3597	4388	4678	4700	4370	3746
70°	925	958	1077	1319	1952	3241	4205	4582	4579	4092	3386
72.5°	578	597	679	832	1291	2466	3569	4041	4049	3336	2597
75°	367	367	363	403	662	1405	2653	3111	3117	2336	1637
77.5°	319	310	267	226	264	546	1570	2009	1976	1258	777
80°	269	254	219	182	170	171	603	1020	976	453	258
82.5°	194	181	165	143	131	102	126	295	288	131	84
85°	105	95	93	94	79	63	53	65	65	57	48
87.5°	37	27	32	36	31	26	21	25	26	25	23
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	991	991	991	991	991	991	991	991	991	991	991
2.5°	995	1005	1029	1050	1065	1078	1085	1088	1095	1096	1094
5°	1003	1029	1065	1096	1113	1120	1122	1123	1120	1122	1120
7.5°	1024	1057	1108	1135	1138	1127	1128	1124	1128	1132	1132
10°	1056	1098	1146	1156	1143	1137	1149	1173	1181	1192	1192
12.5°	1098	1148	1182	1173	1161	1181	1216	1240	1248	1252	1249
15°	1146	1200	1217	1187	1209	1252	1264	1250	1230	1221	1226
17.5°	1207	1252	1242	1222	1272	1278	1239	1194	1162	1150	1158
20°	1271	1310	1264	1273	1304	1240	1166	1108	1080	1075	1083
22.5°	1339	1364	1286	1332	1286	1156	1067	1037	1030	1038	1045
25°	1416	1413	1324	1350	1219	1053	1000	998	998	1003	1013
27.5°	1503	1456	1362	1326	1103	968	958	959	956	957	962
30°	1604	1514	1404	1247	973	904	900	897	890	888	890
32.5°	1731	1575	1447	1117	859	838	836	820	803	801	808
35°	1892	1686	1469	954	765	764	757	732	710	710	705
37.5°	2076	1829	1478	795	687	692	672	640	623	613	616
40°	2264	1992	1477	656	619	620	605	566	524	499	505
42.5°	2445	2140	1451	582	564	561	549	496	461	441	442
45°	2590	2293	1411	538	514	519	492	460	428	410	409
47.5°	2735	2409	1347	511	477	468	457	435	411	391	392
50°	2867	2508	1287	493	443	420	422	409	388	370	369
52.5°	2960	2573	1254	483	402	377	384	377	357	344	343
55°	3053	2623	1265	470	357	337	349	347	336	332	333
57.5°	3128	2661	1304	446	314	302	322	316	308	309	309
60°	3201	2710	1350	391	277	278	297	286	281	290	291
62.5°	3277	2763	1312	311	245	252	274	265	267	280	284
65°	3268	2758	1069	255	217	231	264	261	262	267	269
67.5°	3084	2582	735	217	197	214	256	244	245	242	243
68°	3022	2520	648	211	193	210	252	241	242	239	238
70°	2684	2158	410	186	179	199	232	228	227	225	225
72.5°	2046	1593	216	161	163	182	207	215	210	211	217
75°	1355	958	150	138	143	156	184	200	195	198	195
77.5°	717	516	120	117	117	126	152	177	177	175	172
80°	235	182	96	92	94	99	122	145	148	144	142
82.5°	79	84	72	67	69	73	92	111	112	104	102
85°	49	56	45	44	44	45	56	61	56	50	52
87.5°	23	28	21	18	15	13	10	4	4	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)