

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: P511016

Luminaire Tested: **USSL-P-C018-D-U-T5-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C018-D-U-T5-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1300mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10311 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

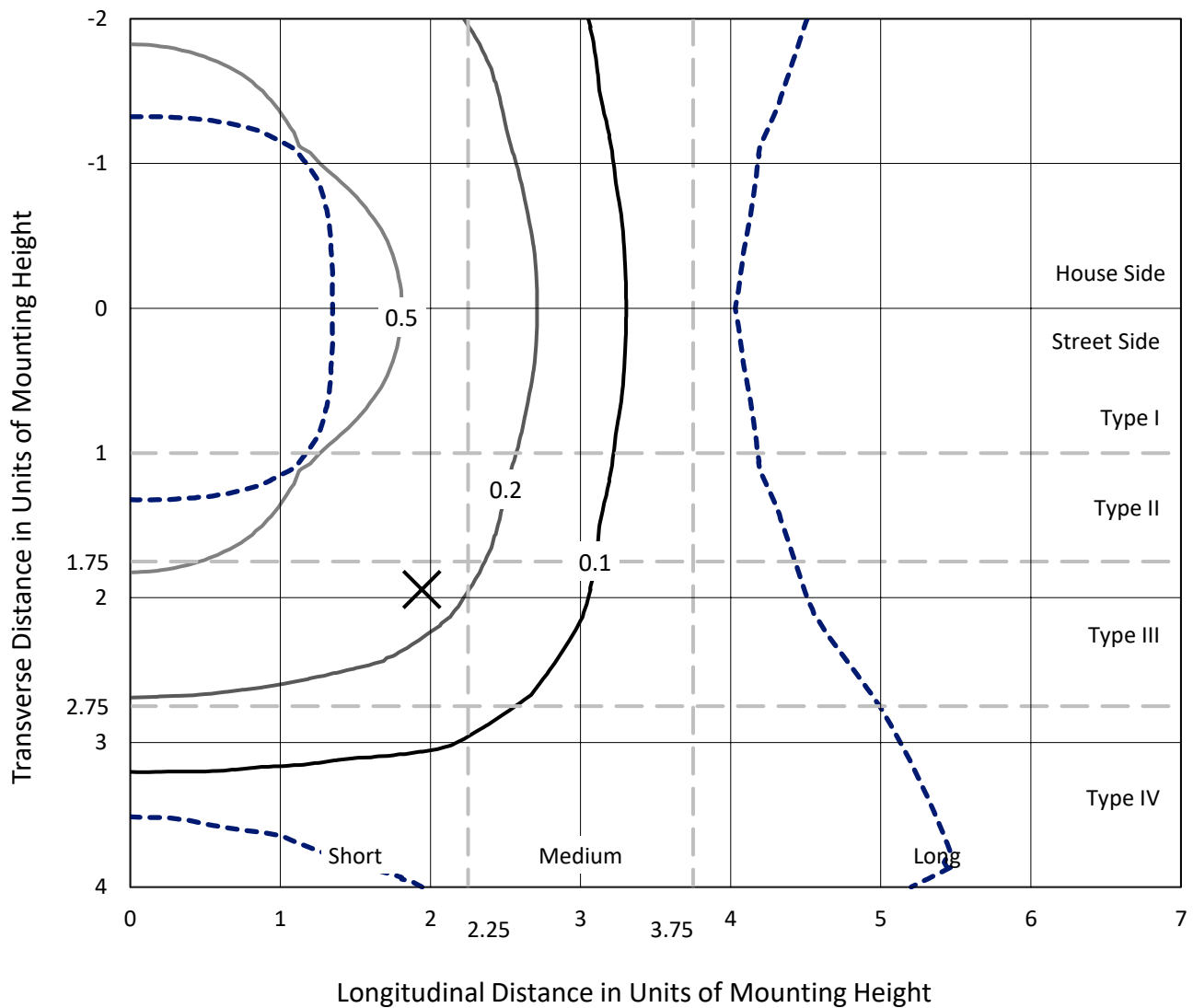
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

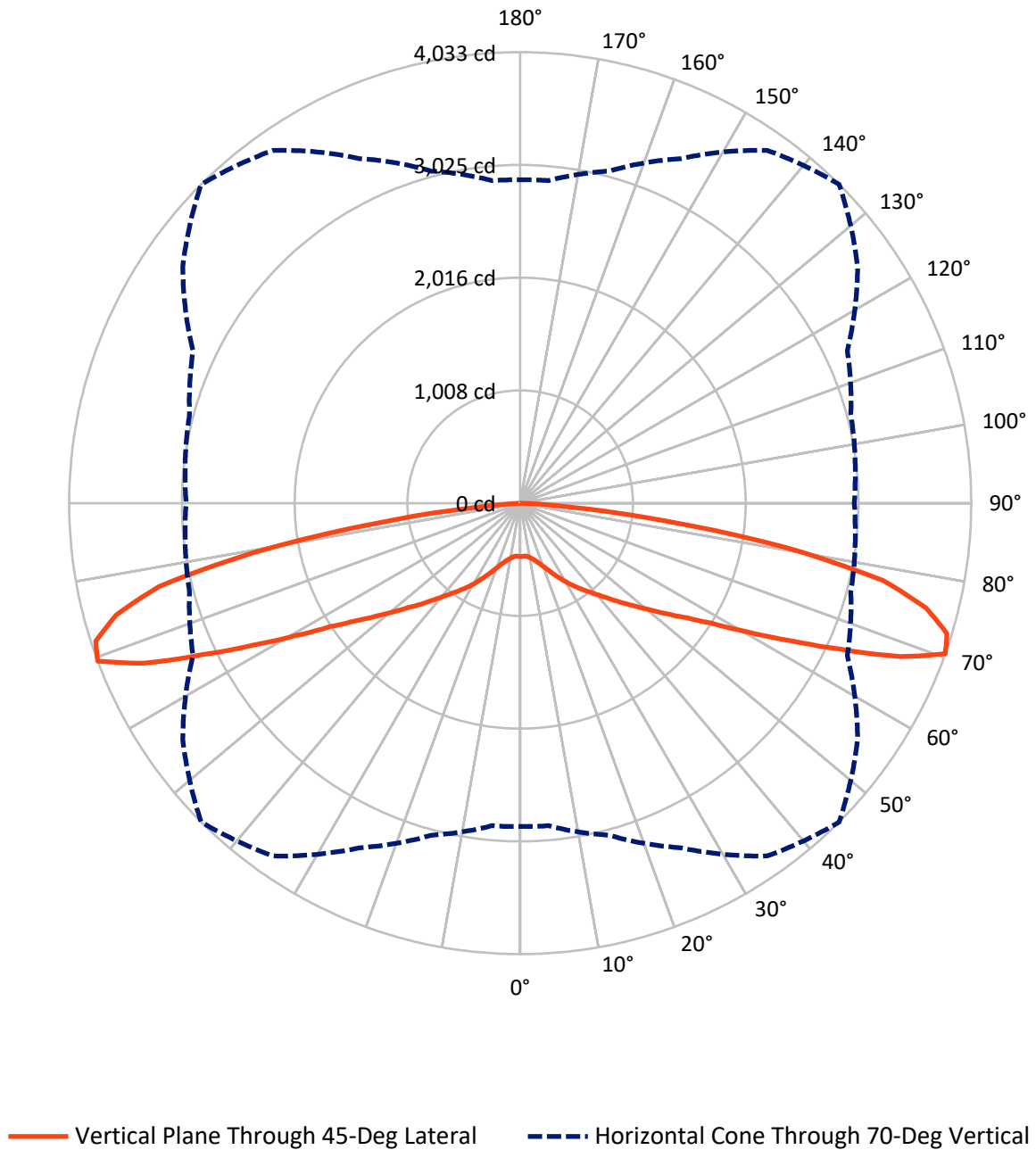
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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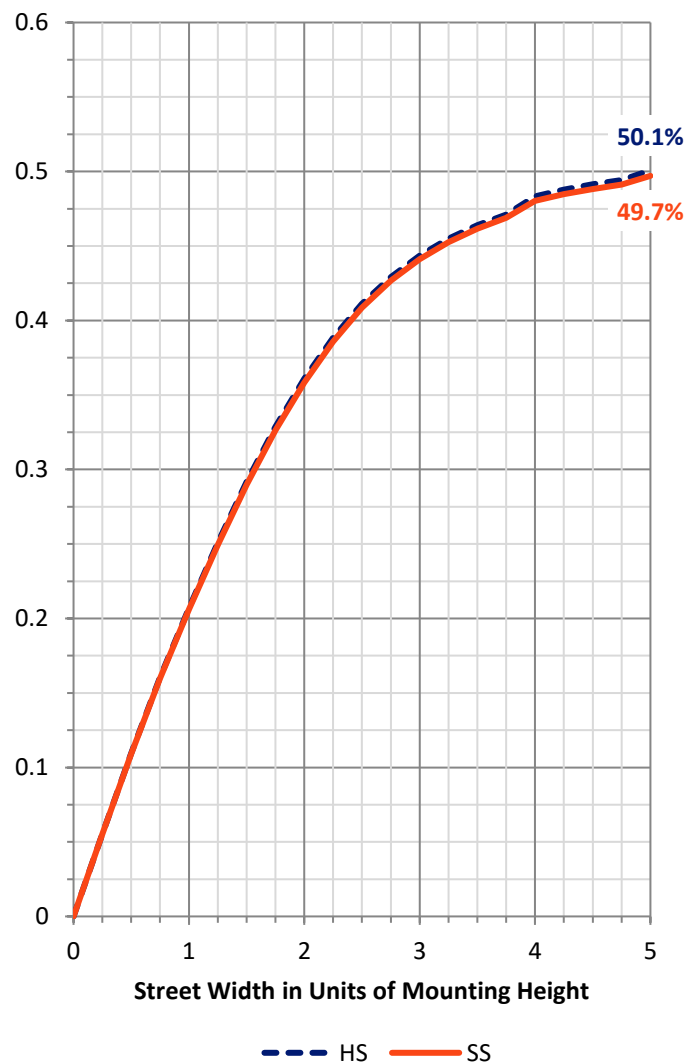
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5155.5	0.0	5155.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5155.5	0.0	5155.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10311.0	0.0	10311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	0.4
10°-20°	153.8	1.5
20°-30°	323.4	3.1
30°-40°	598.1	5.8
40°-50°	1035.8	10.0
50°-60°	1832.5	17.8
60°-70°	3050.6	29.6
70°-80°	2761.8	26.8
80°-90°	508.8	4.9
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°	10311.0	100.0
0°-180°	10311.0	100.0

Coefficient of Utilization



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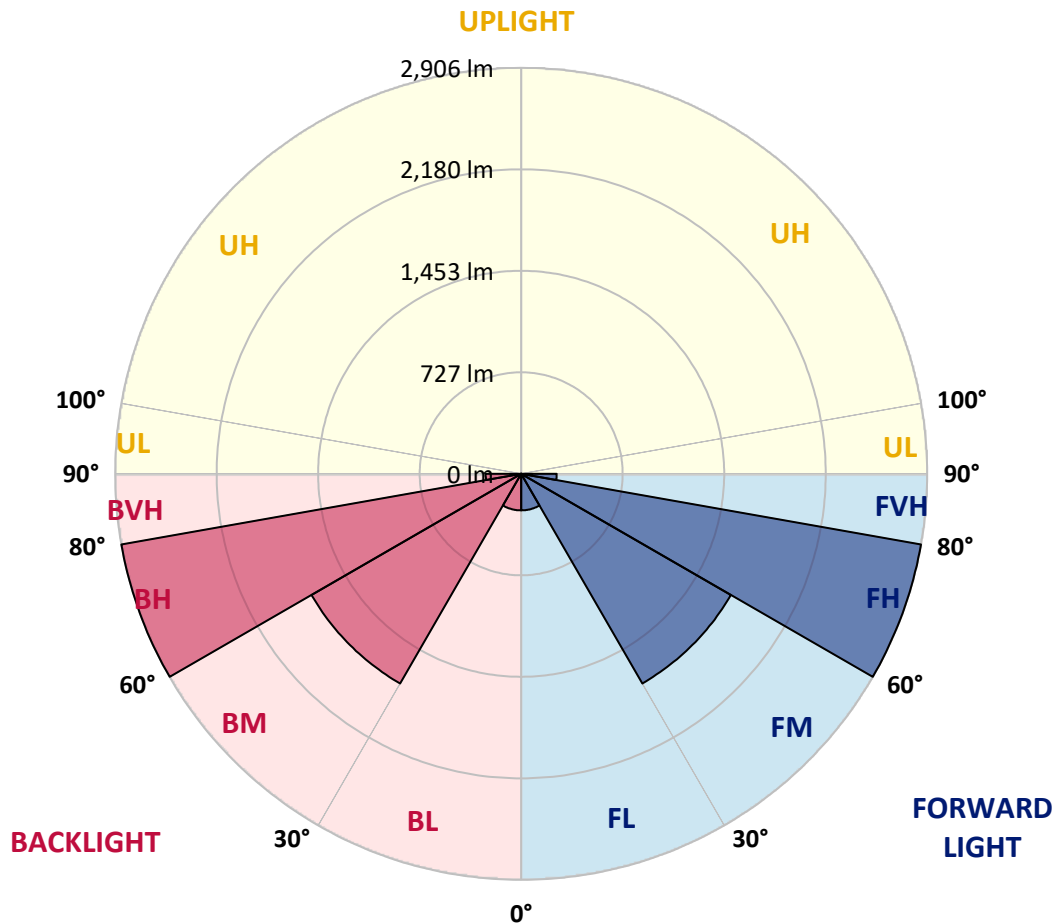
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.7	2.5			
FM	(30°-60°)	1733.2	16.8			
FH	(60°-80°)	2906.2	28.2			G2/5000
FVH	(80°-90°)	254.4	2.5			G3/500
BL	(0°-30°)	261.7	2.5	B1/500		
BM	(30°-60°)	1733.2	16.8	B2/2500		
BH	(60°-80°)	2906.2	28.2	B4/5000		G2/5000
BVH	(80°-90°)	254.4	2.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2
2.5°	478.2	476.1	476.1	474.1	474.1	476.1	476.1	478.2	480.2	480.2	480.2
5°	476.1	476.1	476.1	474.1	474.1	474.1	476.1	478.2	480.2	480.2	482.2
7.5°	482.2	484.3	482.2	480.2	480.2	482.2	484.3	486.3	488.3	490.4	488.3
10°	496.5	496.5	496.5	494.5	496.5	496.5	498.5	498.5	500.6	500.6	498.5
12.5°	510.7	510.7	510.7	512.8	512.8	514.8	516.8	514.8	512.8	510.7	510.7
15°	527.0	527.0	527.0	531.1	535.1	539.2	537.2	535.1	529.0	525.0	525.0
17.5°	551.4	551.4	551.4	557.5	565.7	569.7	567.7	559.6	557.5	555.5	555.5
20°	584.0	584.0	588.1	590.1	602.3	608.4	602.3	594.2	594.2	590.1	592.1
22.5°	624.7	626.7	624.7	632.8	645.0	653.2	645.0	641.0	636.9	636.9	636.9
25°	677.6	677.6	673.5	677.6	691.8	706.1	697.9	691.8	687.8	689.8	693.9
27.5°	730.5	732.5	730.5	728.5	744.7	761.0	750.8	744.7	748.8	750.8	750.8
30°	789.5	795.6	791.5	791.5	797.6	822.1	811.9	807.8	813.9	813.9	815.9
32.5°	862.7	864.8	860.7	858.7	864.8	883.1	872.9	875.0	883.1	889.2	889.2
35°	934.0	936.0	927.9	925.8	936.0	944.1	942.1	948.2	958.4	968.6	968.6
37.5°	1013.3	1007.2	1005.2	999.1	1001.1	1009.3	1011.3	1025.5	1043.8	1054.0	1056.1
40°	1092.7	1096.8	1084.5	1072.3	1074.4	1080.5	1094.7	1111.0	1135.4	1151.7	1155.8
42.5°	1202.6	1200.5	1184.2	1161.9	1157.8	1165.9	1190.4	1218.8	1249.4	1265.6	1267.7
45°	1343.0	1340.9	1318.5	1290.1	1269.7	1267.7	1290.1	1326.7	1373.5	1402.0	1404.0
47.5°	1515.9	1511.8	1473.2	1412.1	1367.4	1369.4	1393.8	1448.8	1507.8	1548.5	1552.5
50°	1731.6	1721.4	1668.5	1574.9	1505.7	1497.6	1515.9	1591.2	1674.6	1725.5	1733.6
52.5°	1973.7	1957.5	1898.5	1770.3	1678.7	1644.1	1662.4	1762.1	1861.8	1920.8	1922.9
55°	2217.9	2213.8	2150.8	2024.6	1888.3	1811.0	1847.6	1959.5	2083.6	2148.7	2154.8
57.5°	2474.3	2464.1	2409.2	2291.2	2136.5	2028.7	2067.3	2191.5	2315.6	2386.8	2399.0
60°	2696.1	2700.2	2657.4	2582.1	2454.0	2338.0	2352.2	2456.0	2584.2	2649.3	2659.5
62.5°	2924.0	2915.9	2905.7	2860.9	2799.9	2704.2	2667.6	2742.9	2846.7	2899.6	2903.6
65°	3204.8	3202.8	3186.5	3162.1	3182.4	3147.8	3058.3	3070.5	3105.1	3143.7	3153.9
67.5°	3221.1	3219.0	3296.4	3428.6	3617.9	3664.7	3422.5	3263.8	3210.9	3190.5	3184.4
70°	2891.4	2895.5	3074.6	3400.1	3851.9	4032.9	3683.0	3227.2	3060.3	3007.4	2987.1
72.5°	2399.0	2423.4	2651.3	3119.3	3817.3	3990.2	3699.2	3066.4	2801.9	2681.8	2679.8
75°	1798.8	1815.0	2036.8	2588.2	3503.9	3750.1	3473.4	2761.2	2413.3	2283.0	2238.3
77.5°	1170.0	1178.1	1379.6	1880.1	2789.7	3314.7	3101.0	2301.3	1916.8	1752.0	1707.2
80°	624.7	649.1	799.7	1151.7	1766.2	2417.3	2527.2	1713.3	1255.5	1058.1	1033.7
82.5°	270.6	278.8	356.1	561.6	921.8	1308.4	1682.8	1072.3	697.9	527.0	496.5
85°	36.6	34.6	63.1	113.9	217.7	431.4	657.2	555.5	337.8	236.0	234.0
87.5°	4.1	4.1	4.1	6.1	6.1	6.1	30.5	48.8	26.5	20.3	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)