

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: P286994

Luminaire Tested: **USSL-C01-D-U-T5-BZ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T5-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE V OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 52
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

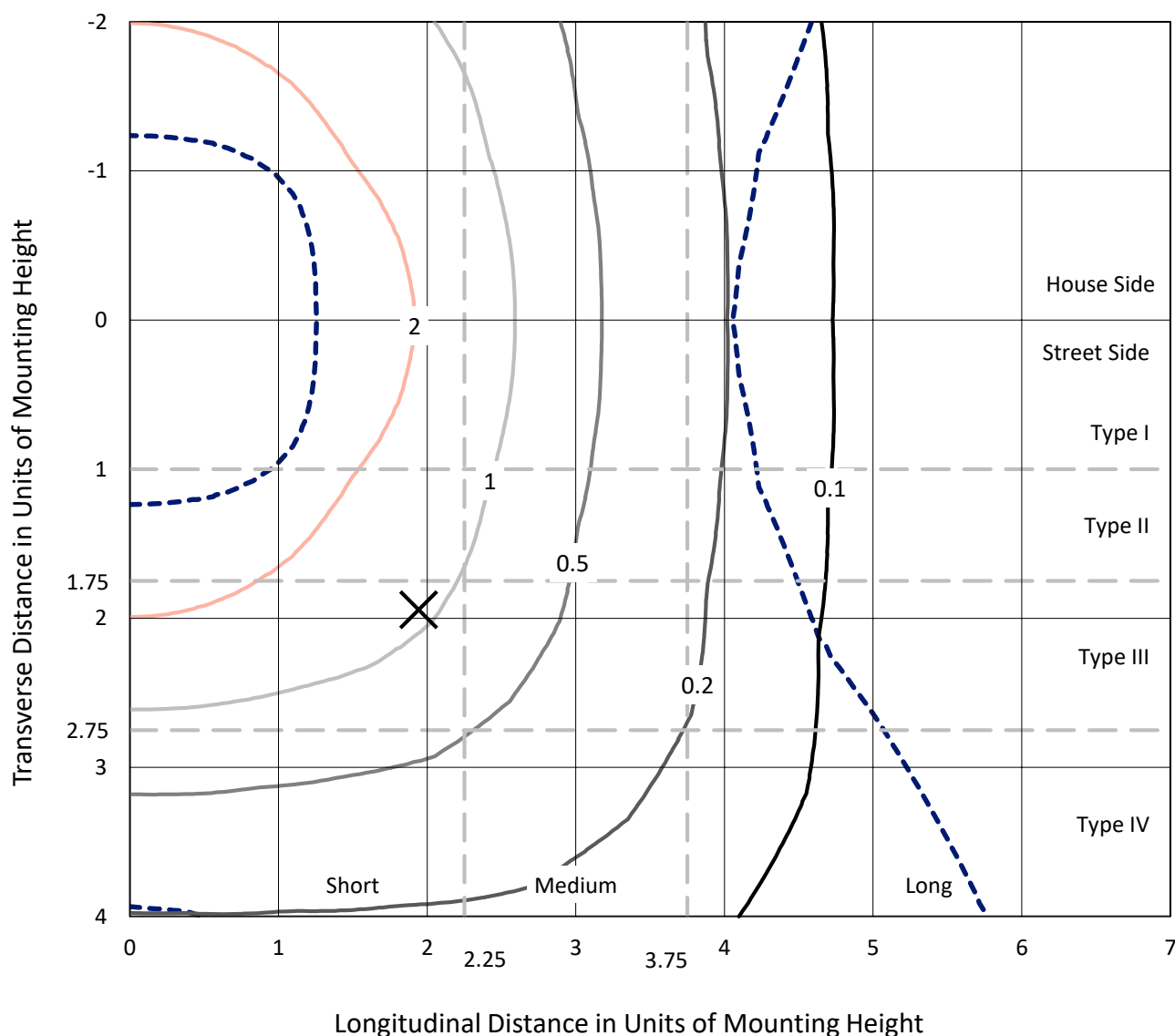


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

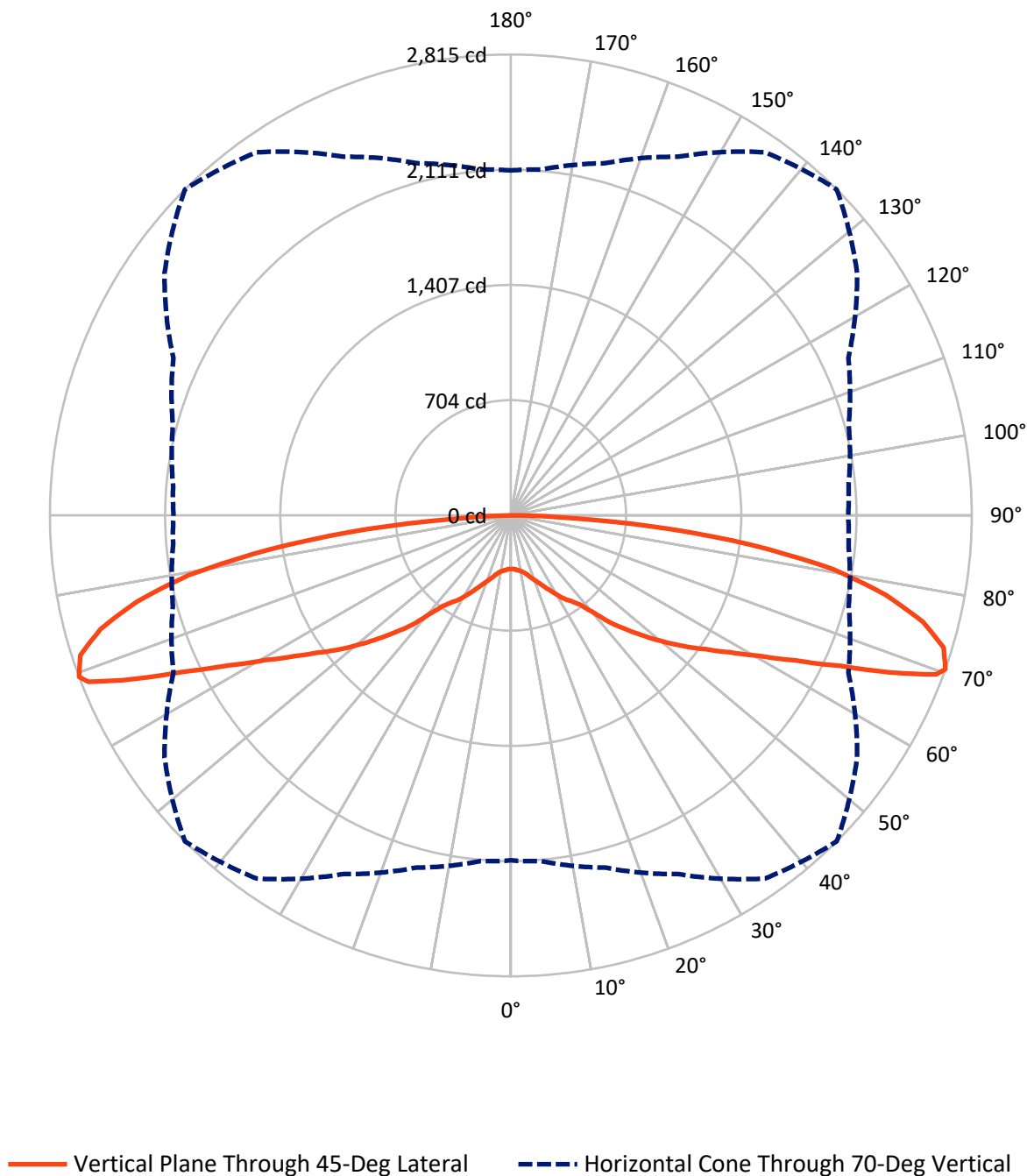


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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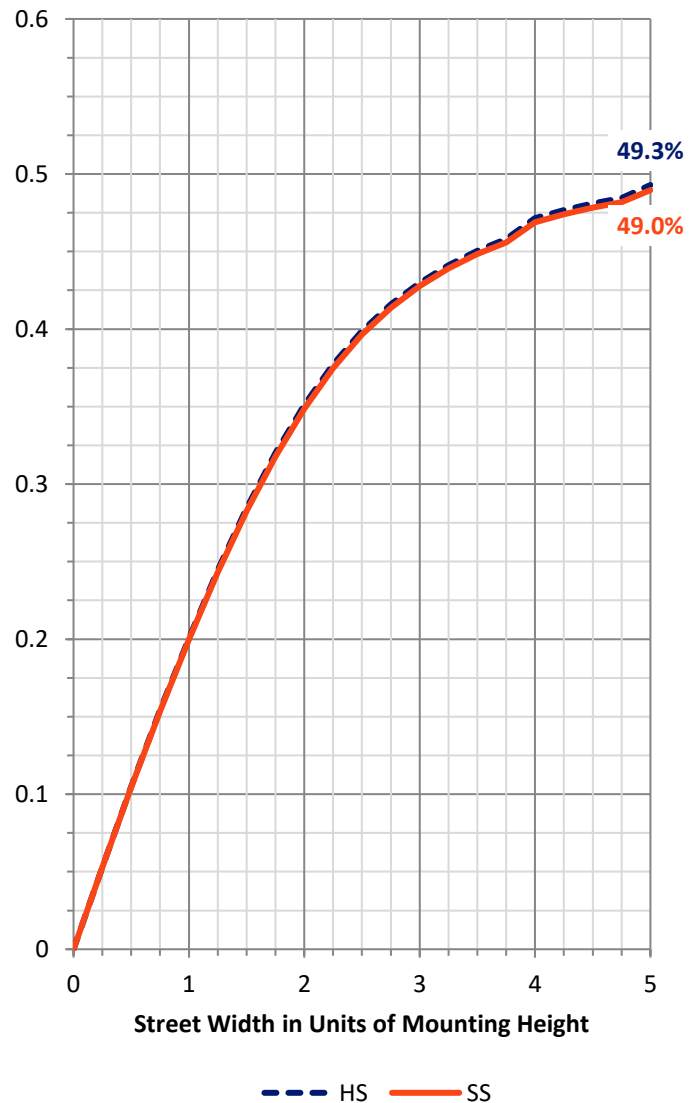
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3857.0	0.0	3857.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7714.0	0.0	7714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	0.4
10°-20°	107.6	1.4
20°-30°	222.6	2.9
30°-40°	407.8	5.3
40°-50°	807.5	10.5
50°-60°	1383.8	17.9
60°-70°	2178.7	28.2
70°-80°	2036.1	26.4
80°-90°	537.6	7.0
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°	7714.0	100.0
0°-180°	7714.0	100.0

Coefficient of Utilization



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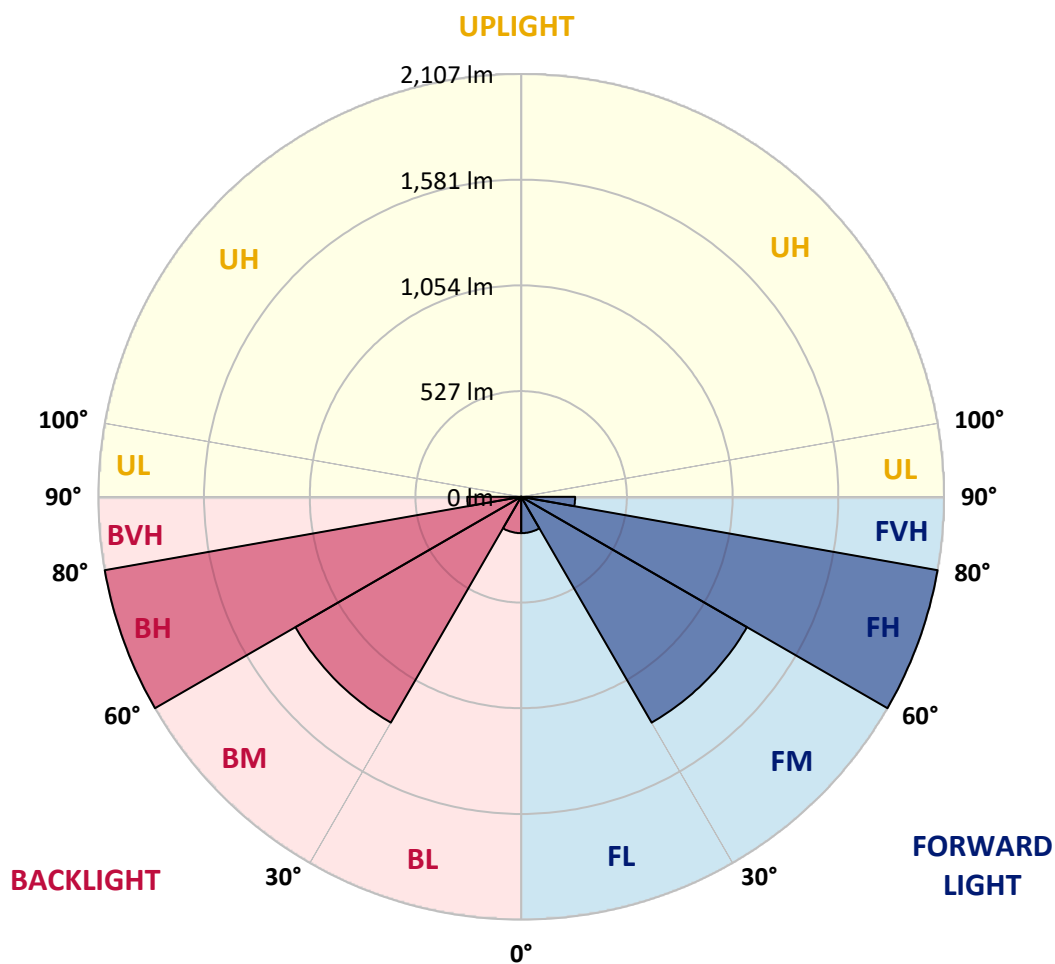
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.2	2.3			
FM	(30°-60°)	1299.5	16.8			
FH	(60°-80°)	2107.4	27.3			G2/5000
FVH	(80°-90°)	268.8	3.5			G3/500
BL	(0°-30°)	181.2	2.3	B1/500		
BM	(30°-60°)	1299.5	16.8	B2/2500		
BH	(60°-80°)	2107.4	27.3	B3/2500		G2/5000
BVH	(80°-90°)	268.8	3.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	328.1	328.1	328.1	328.1	328.1	328.1	328.1	328.1	328.1	328.1	328.1
2.5°	332.7	333.1	332.4	328.9	328.5	327.4	327.1	328.5	328.5	328.5	327.8
5°	338.8	337.7	335.6	334.2	333.5	332.7	331.7	333.8	334.5	335.6	332.7
7.5°	342.7	342.7	342.3	339.8	340.9	338.8	337.0	338.8	340.2	339.5	339.1
10°	350.4	351.2	349.7	347.3	349.4	345.5	343.0	344.4	344.1	343.7	344.4
12.5°	361.1	361.8	360.0	357.9	360.7	357.2	354.7	354.3	353.6	353.3	352.2
15°	375.6	375.9	374.5	372.7	377.0	374.9	373.5	368.9	368.9	367.8	368.1
17.5°	392.9	394.7	393.6	393.6	400.4	398.9	392.9	387.6	389.4	386.9	386.9
20°	415.6	414.9	415.9	417.7	425.5	423.4	417.0	409.6	411.7	409.2	408.9
22.5°	441.8	442.1	442.8	444.3	455.6	451.7	445.0	438.9	438.6	437.2	437.5
25°	472.6	472.2	470.1	475.4	488.1	484.3	476.1	471.9	472.6	472.6	472.9
27.5°	503.7	501.2	500.5	500.9	525.7	523.5	510.8	503.0	504.4	507.3	508.3
30°	534.9	534.2	532.4	530.3	558.6	566.0	543.4	538.8	540.5	545.1	546.2
32.5°	577.0	575.2	573.5	568.1	586.2	609.6	580.5	581.6	586.6	593.6	594.7
35°	623.7	624.1	619.1	614.5	624.8	645.0	630.8	632.2	643.2	652.7	655.2
37.5°	680.7	681.8	673.6	664.1	673.3	694.5	685.0	699.8	727.4	743.0	749.4
40°	776.6	774.2	762.1	744.1	752.6	781.2	791.5	810.6	848.9	870.5	878.6
42.5°	910.5	905.8	889.9	870.8	873.3	898.1	912.9	950.1	991.2	1013.5	1017.7
45°	1038.2	1036.1	1018.4	984.1	973.8	995.8	1014.5	1060.9	1105.5	1128.9	1138.4
47.5°	1182.0	1180.2	1155.4	1111.2	1092.8	1102.7	1115.4	1168.9	1207.8	1233.3	1238.9
50°	1335.9	1331.7	1305.1	1251.0	1216.6	1213.1	1227.6	1273.3	1318.2	1340.5	1338.8
52.5°	1492.4	1490.6	1463.0	1396.5	1351.5	1328.5	1334.5	1373.5	1417.0	1445.3	1447.1
55°	1654.2	1655.6	1624.4	1544.4	1483.2	1442.5	1439.0	1483.9	1527.4	1551.5	1558.2
57.5°	1821.6	1822.0	1782.7	1709.0	1630.8	1577.4	1558.6	1608.5	1649.6	1671.2	1683.6
60°	1977.7	1981.3	1948.7	1888.2	1813.5	1741.6	1711.2	1755.1	1797.5	1828.3	1828.7
62.5°	2155.8	2153.3	2123.2	2074.0	2026.9	1949.0	1892.4	1938.8	1982.3	2009.9	2023.0
65°	2326.4	2330.6	2323.6	2303.7	2276.5	2217.0	2143.7	2207.1	2236.1	2234.7	2247.5
67.5°	2279.3	2298.8	2345.5	2445.7	2549.1	2573.8	2457.7	2319.7	2257.7	2218.8	2206.0
69°	2187.6	2209.2	2292.1	2441.1	2662.0	2772.4	2552.2	2292.4	2196.8	2142.7	2131.3
70°	2106.2	2119.3	2226.2	2416.0	2706.6	2814.5	2580.9	2273.6	2135.9	2070.1	2059.8
72.5°	1856.3	1882.5	2001.1	2282.5	2676.1	2763.6	2570.3	2149.8	1962.8	1856.7	1845.3
75°	1530.6	1557.2	1720.0	2037.9	2505.5	2599.3	2408.2	1927.5	1686.4	1583.7	1562.5
77.5°	1090.6	1110.1	1299.5	1680.7	2215.9	2343.4	2137.0	1614.2	1354.7	1240.7	1213.5
80°	638.6	646.4	833.6	1197.2	1767.1	1999.0	1763.9	1252.4	968.2	842.8	825.1
82.5°	240.4	300.5	443.2	740.2	1206.0	1482.8	1300.5	854.9	578.1	448.5	432.2
85°	73.3	100.2	189.4	366.7	663.4	879.7	818.4	474.3	240.0	137.0	119.6
87.5°	12.7	16.3	43.5	117.9	245.0	247.4	191.9	87.1	17.3	6.4	6.0
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)