

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: P285870

Luminaire Tested: **USSL-XL-C047-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C047-D-U-T5-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29813.9 lumens
Efficiency: N/A
Efficacy: 169.4 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

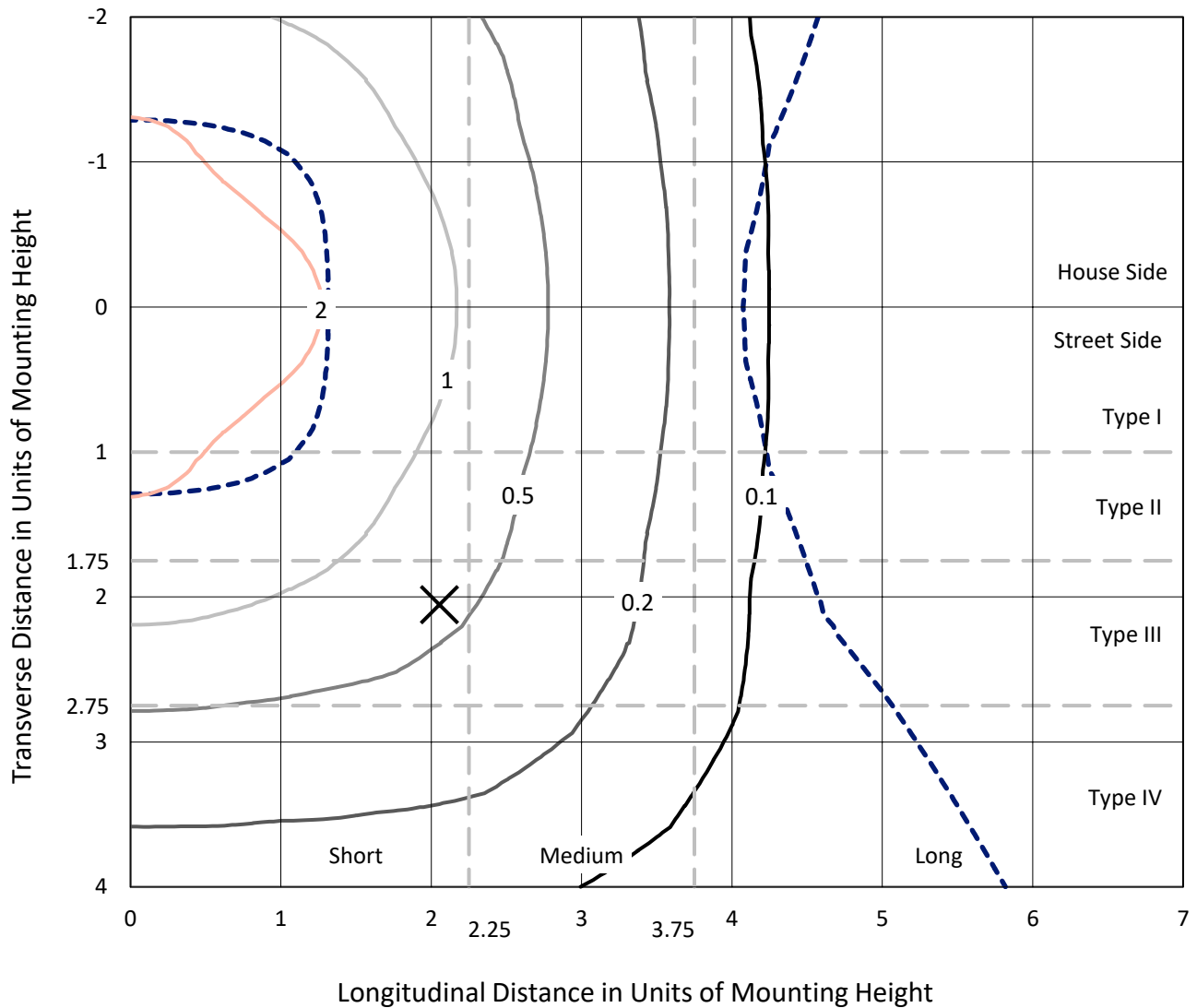
Input Watts (W): 176
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P285870
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Iso-Footcandle Lines of Horizontal Illumination

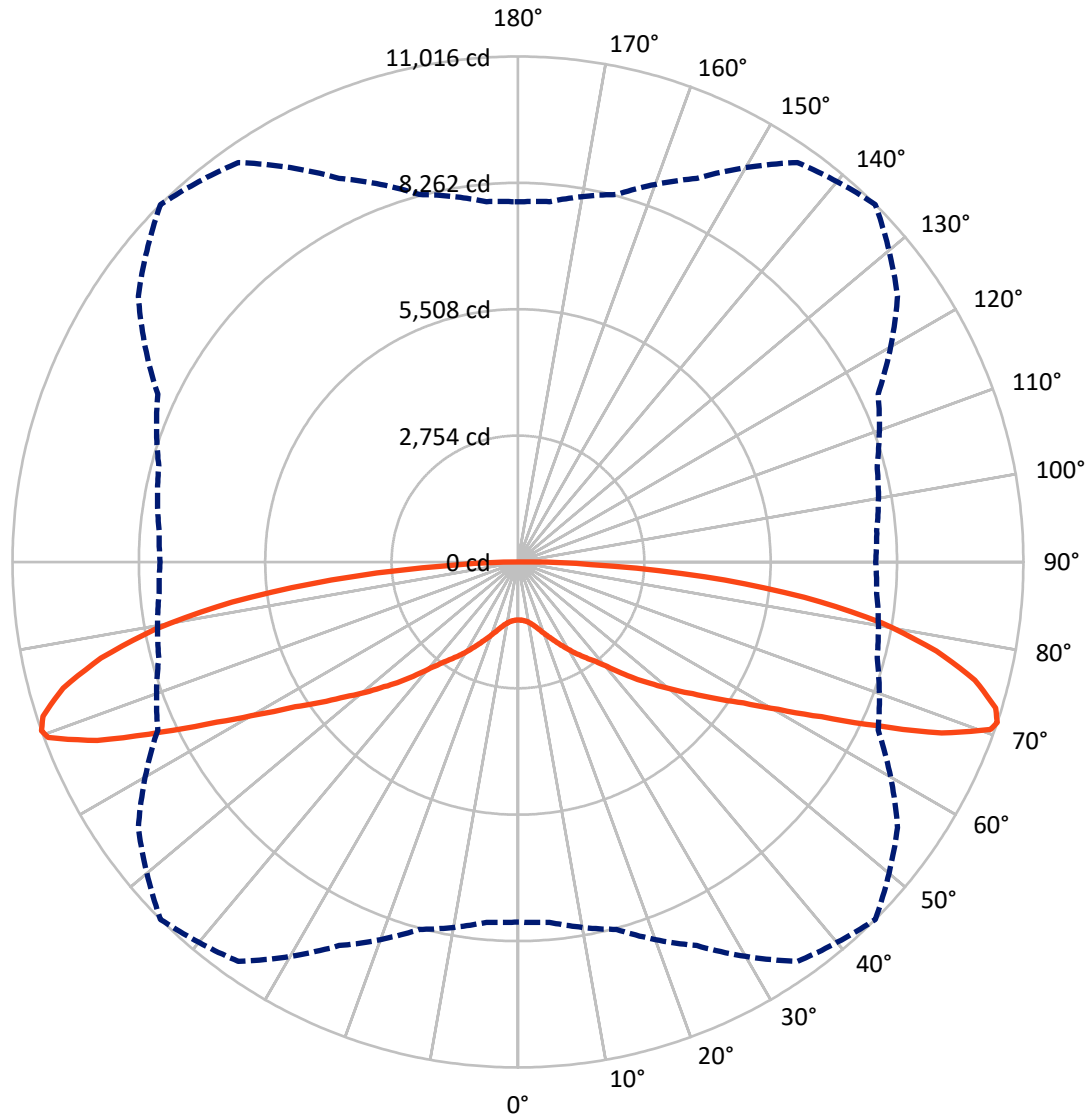
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

REPORT NUMBER: P285870
CATALOG NUMBER: USSL-XL-C047-D-U-T5-BZ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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CATALOG NUMBER: USSL-XL-C047-D-U-T5-BZ

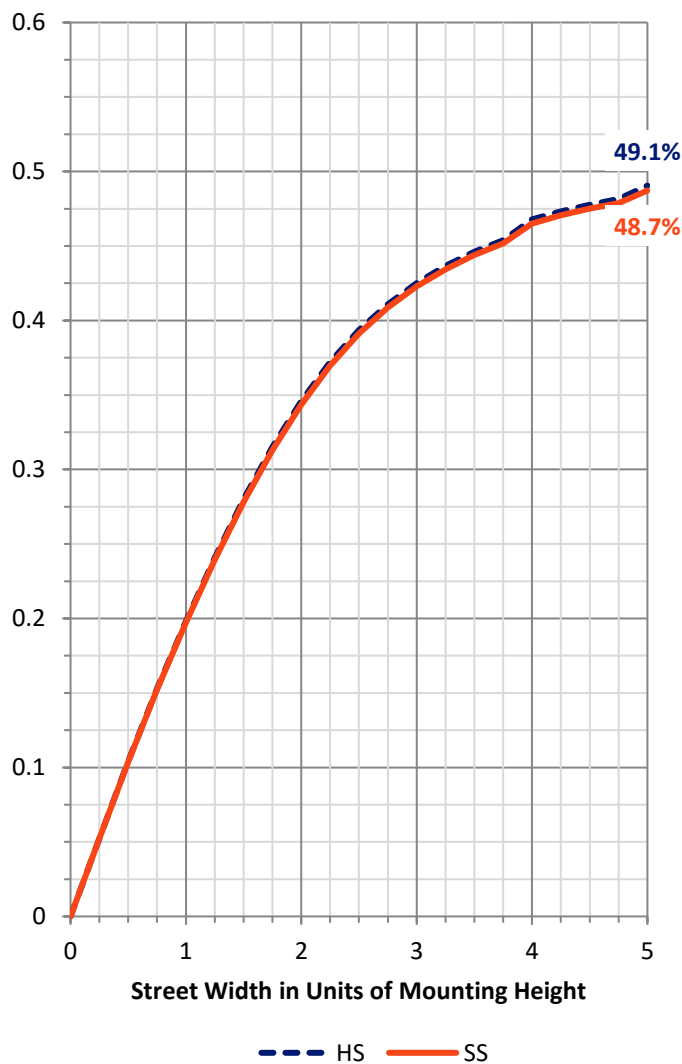
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14906.9	0.0	14906.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14906.9	0.0	14906.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	29813.9	0.0	29813.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	0.4
10°-20°	417.1	1.4
20°-30°	877.1	2.9
30°-40°	1615.3	5.4
40°-50°	2965.8	9.9
50°-60°	5169.1	17.3
60°-70°	8353.1	28.0
70°-80°	8048.8	27.0
80°-90°	2244.0	7.5
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°	29813.9	100.0
0°-180°	29813.9	100.0

Coefficient of Utilization



REPORT NUMBER: P285870

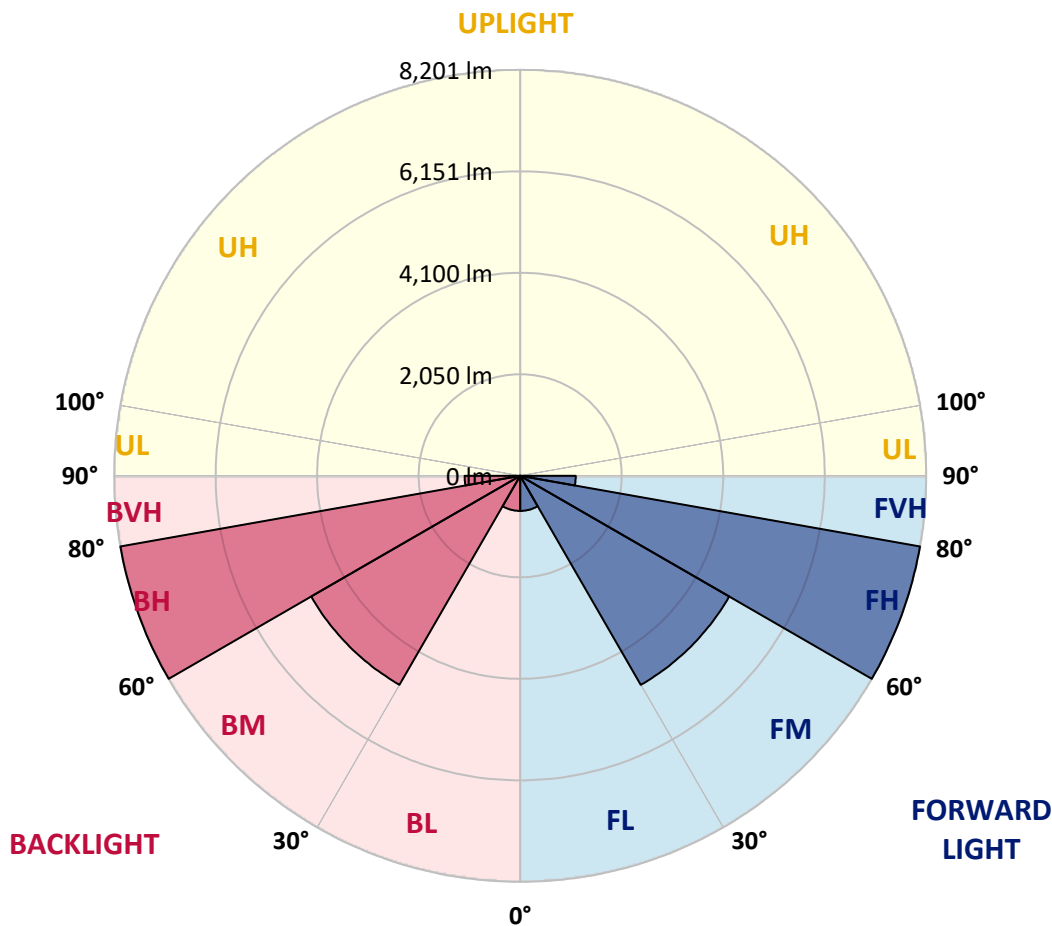
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.9	2.4			
FM (30°-60°)	4875.1	16.4			
FH (60°-80°)	8201.0	27.5			G4/12000
FVH (80°-90°)	1122.0	3.8			G5
BL (0°-30°)	708.9	2.4	B2/1000		
BM (30°-60°)	4875.1	16.4	B3/5000		
BH (60°-80°)	8201.0	27.5	B5		G4/12000
BVH (80°-90°)	1122.0	3.8			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3	1261.3
2.5°	1266.6	1272.9	1269.8	1267.6	1268.7	1267.6	1265.5	1263.4	1261.3	1260.2	1260.2
5°	1276.1	1280.4	1279.3	1278.2	1279.3	1281.4	1280.4	1279.3	1276.1	1274.0	1274.0
7.5°	1299.4	1300.5	1301.6	1300.5	1300.5	1303.7	1301.6	1300.5	1294.1	1293.1	1291.0
10°	1335.5	1334.4	1337.6	1338.7	1338.7	1340.8	1334.4	1330.2	1318.5	1317.5	1315.3
12.5°	1377.9	1377.9	1382.1	1387.4	1391.6	1395.9	1384.2	1374.7	1358.8	1352.4	1353.5
15°	1436.2	1435.1	1440.4	1452.1	1463.7	1472.2	1455.2	1439.3	1418.1	1409.7	1411.8
17.5°	1512.5	1511.4	1519.9	1533.7	1552.8	1565.5	1542.2	1518.8	1499.8	1489.2	1489.2
20°	1605.7	1606.8	1613.2	1631.2	1655.6	1671.5	1641.8	1611.0	1597.3	1587.7	1585.6
22.5°	1714.9	1723.4	1720.2	1741.4	1774.3	1792.3	1757.3	1723.4	1710.7	1704.3	1702.2
25°	1844.2	1852.7	1844.2	1865.4	1906.8	1924.8	1888.7	1851.6	1845.3	1841.0	1838.9
27.5°	1988.4	1989.4	1987.3	1999.0	2055.1	2073.2	2025.5	1992.6	1995.8	1993.7	1990.5
30°	2145.2	2144.2	2142.1	2138.9	2209.9	2232.1	2179.2	2152.7	2163.3	2156.9	2156.9
32.5°	2320.1	2316.9	2305.3	2312.7	2355.1	2398.6	2336.0	2320.1	2350.9	2346.6	2350.9
35°	2512.0	2510.9	2488.6	2496.1	2525.7	2565.0	2517.3	2509.8	2556.5	2567.1	2573.4
37.5°	2730.3	2731.4	2700.6	2696.4	2720.8	2749.4	2731.4	2750.4	2819.3	2855.4	2845.8
40°	3013.3	3009.1	2967.7	2933.8	2959.2	2996.3	3015.4	3068.4	3174.4	3228.5	3233.8
42.5°	3395.9	3385.3	3337.6	3271.9	3284.6	3309.0	3366.2	3458.5	3585.6	3636.5	3621.7
45°	3849.6	3830.5	3760.5	3685.3	3645.0	3653.5	3707.5	3822.0	3974.6	4042.5	4054.1
47.5°	4362.5	4340.3	4235.4	4093.3	3995.8	3985.2	4039.3	4193.0	4378.4	4461.1	4456.9
50°	4940.2	4912.6	4801.3	4583.0	4401.8	4371.0	4408.1	4598.9	4816.2	4927.5	4921.1
52.5°	5570.8	5531.6	5409.7	5127.8	4887.2	4767.4	4821.5	5050.4	5271.9	5415.0	5420.3
55°	6213.1	6204.7	6047.8	5763.7	5435.2	5258.2	5295.3	5541.2	5814.6	5959.8	5953.5
57.5°	6860.8	6838.6	6714.6	6416.6	6088.1	5792.4	5832.6	6101.8	6381.7	6534.4	6529.1
60°	7493.6	7462.9	7366.4	7143.8	6867.2	6524.9	6499.4	6757.0	7002.9	7144.9	7132.2
62.5°	8150.7	8149.7	8071.2	7897.4	7750.1	7430.0	7306.0	7485.1	7702.4	7835.9	7828.5
65°	8740.0	8744.3	8754.9	8760.2	8775.0	8605.4	8326.7	8302.3	8463.4	8542.9	8520.6
67.5°	8750.6	8789.9	8975.3	9358.0	9886.9	9954.7	9409.9	8911.7	8727.3	8631.9	8620.3
70°	8169.8	8217.5	8571.5	9350.5	10553.5	10928.7	10019.3	8820.6	8360.6	8117.9	8071.2
71°	7847.6	7882.6	8290.6	9224.4	10625.6	11015.6	10098.8	8660.5	8104.1	7849.7	7796.7
72.5°	7276.3	7308.1	7827.5	8888.4	10524.9	10883.2	10020.4	8353.2	7651.5	7339.9	7279.5
75°	6161.2	6244.9	6751.7	8067.0	9926.1	10288.6	9486.2	7538.1	6661.6	6203.6	6159.1
77.5°	4589.4	4734.6	5349.3	6806.8	8842.9	9324.0	8497.3	6343.5	5327.1	4823.6	4768.5
80°	2591.5	2738.8	3580.3	5160.7	7409.9	8041.6	7056.9	4814.1	3786.0	3146.8	3076.9
82.5°	959.2	928.5	1720.2	3249.7	5518.9	6288.4	5164.9	3138.4	2083.8	1444.6	1400.1
85°	212.0	318.0	758.9	1637.5	3482.8	4083.8	3047.2	1582.4	807.6	416.5	389.0
87.5°	58.3	103.9	260.7	686.8	1403.3	1590.9	1148.9	429.3	129.3	50.9	50.9
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)