

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: P285875

Luminaire Tested: **USSL-XL-C047-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285875
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-AP-7050
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30355.5 lumens
Efficiency: N/A
Efficacy: 172.5 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G5

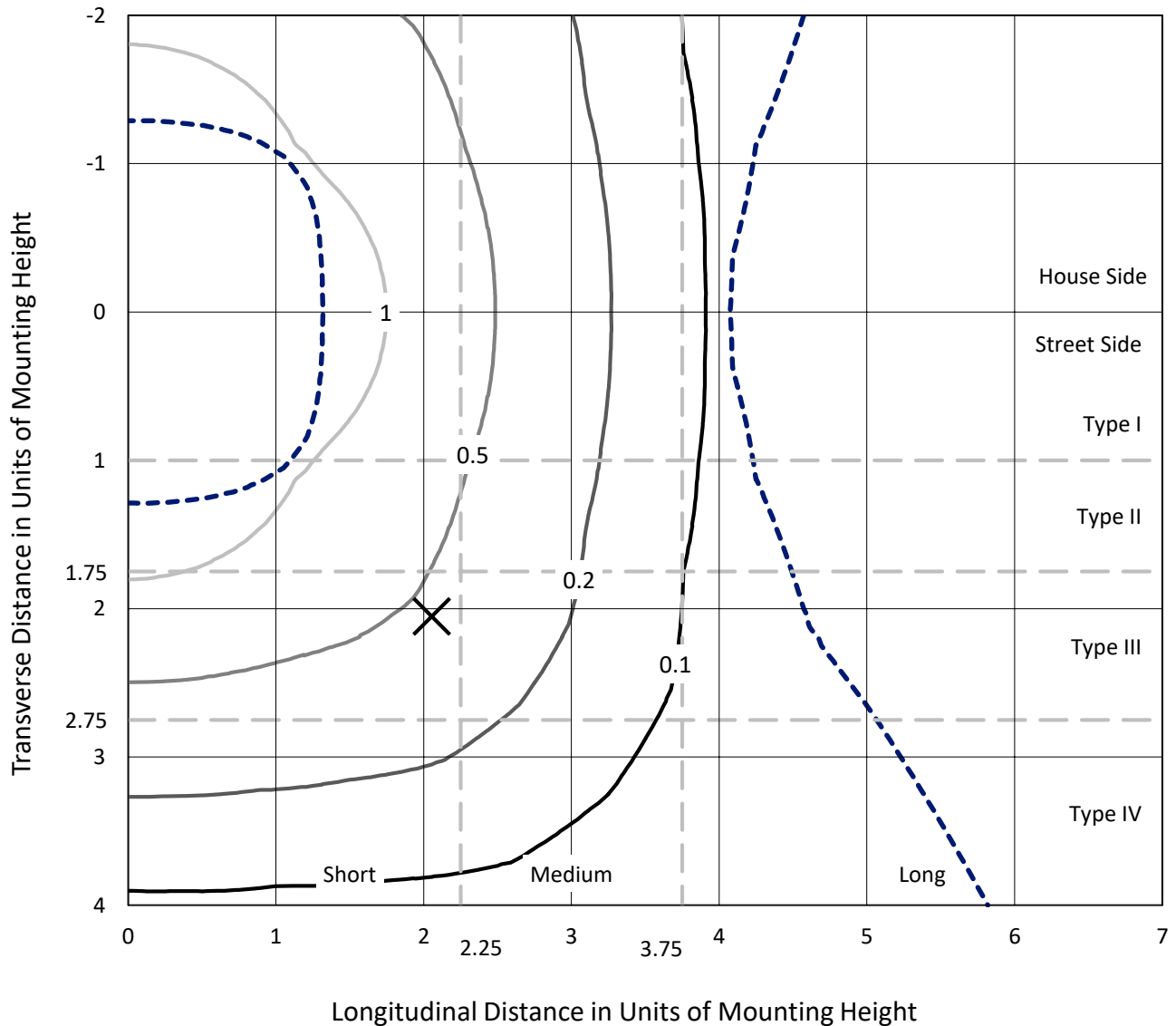
Input Watts (W): 176
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

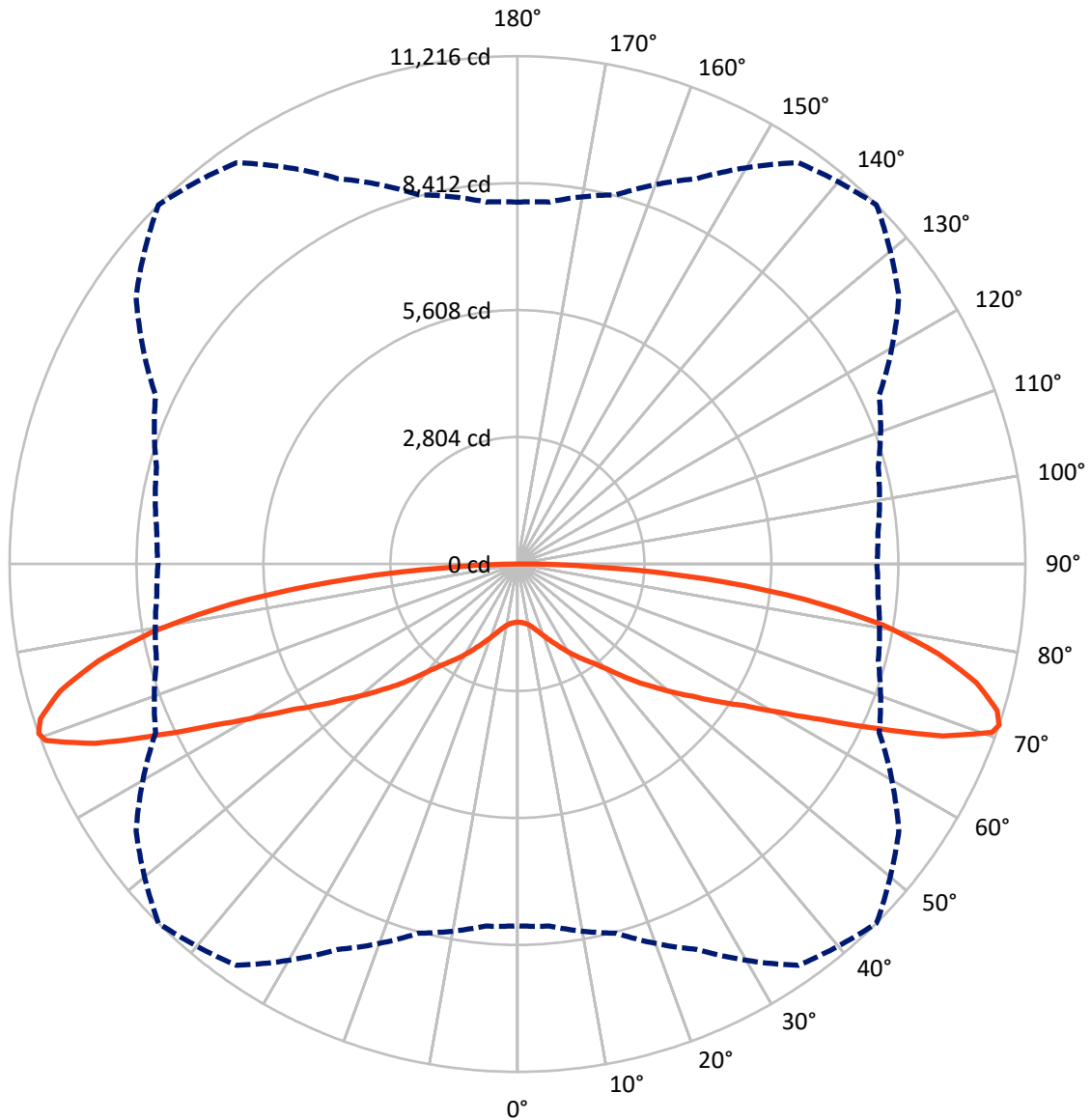


Based on 30 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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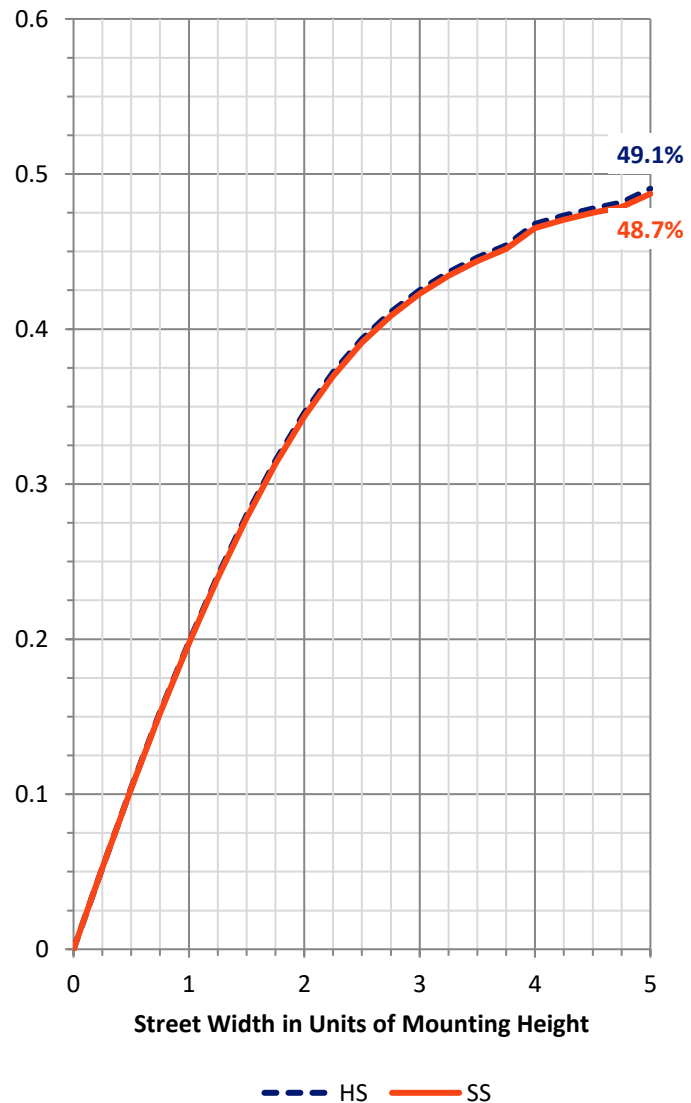
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15177.8	0.0	15177.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15177.8	0.0	15177.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	30355.5	0.0	30355.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	0.4
10°-20°	424.6	1.4
20°-30°	893.0	2.9
30°-40°	1644.7	5.4
40°-50°	3019.7	9.9
50°-60°	5263.0	17.3
60°-70°	8504.8	28.0
70°-80°	8195.0	27.0
80°-90°	2284.7	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°	30355.5	100.0
0°-180°	30355.5	100.0



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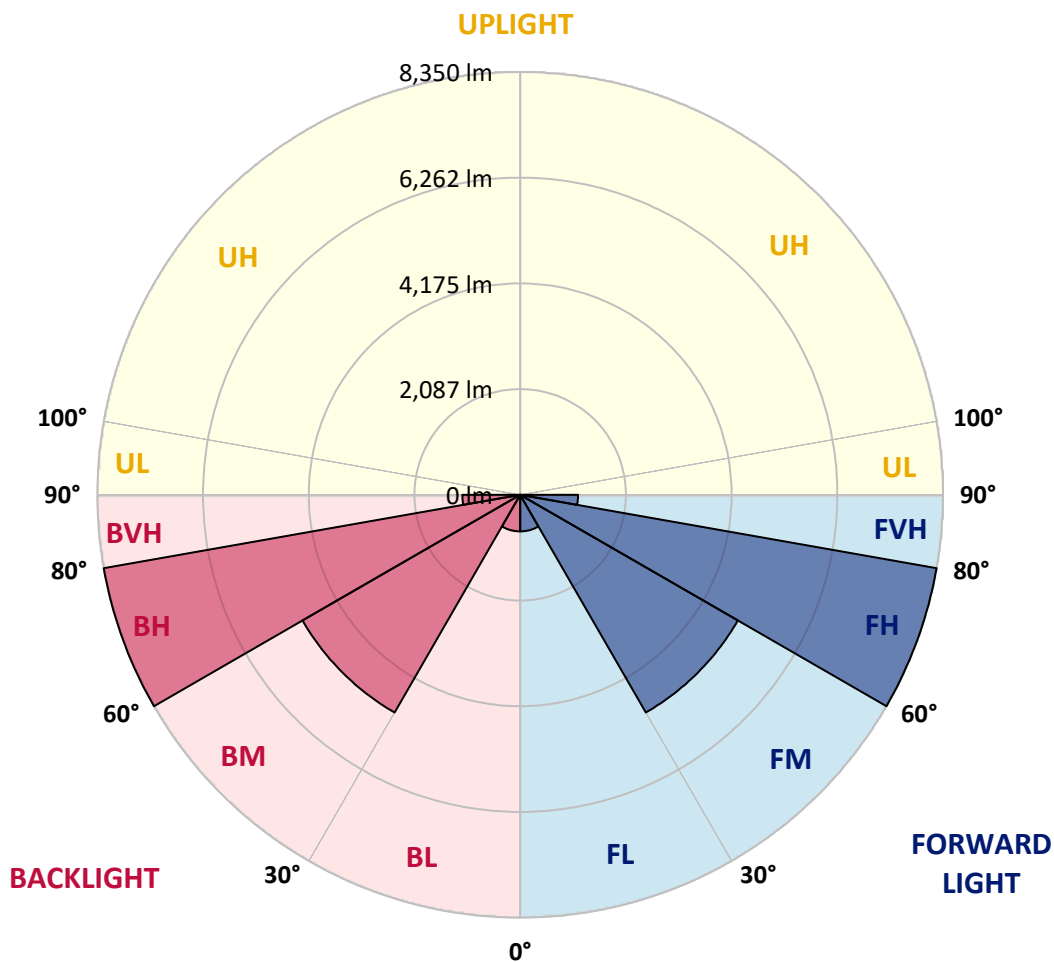
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	721.8	2.4			
FM	(30°-60°)	4963.7	16.4			
FH	(60°-80°)	8349.9	27.5			G4/12000
FVH	(80°-90°)	1142.4	3.8			G5
BL	(0°-30°)	721.8	2.4	B2/1000		
BM	(30°-60°)	4963.7	16.4	B3/5000		
BH	(60°-80°)	8349.9	27.5	B5		G4/12000
BVH	(80°-90°)	1142.4	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°	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1289.6	1296.0	1292.9	1290.6	1291.8	1290.6	1288.5	1286.4	1284.2	1283.1	1283.1
5°	1299.3	1303.7	1302.5	1301.5	1302.5	1304.7	1303.7	1302.5	1299.3	1297.1	1297.1
7.5°	1323.1	1324.1	1325.2	1324.1	1324.1	1327.4	1325.2	1324.1	1317.7	1316.6	1314.4
10°	1359.7	1358.7	1361.9	1363.0	1363.0	1365.2	1358.7	1354.3	1342.5	1341.4	1339.3
12.5°	1402.9	1402.9	1407.2	1412.6	1417.0	1421.2	1409.3	1399.7	1383.5	1377.0	1378.1
15°	1462.2	1461.2	1466.6	1478.5	1490.3	1498.9	1481.7	1465.5	1443.9	1435.3	1437.4
17.5°	1539.9	1538.9	1547.6	1561.6	1580.9	1593.9	1570.1	1546.4	1527.0	1516.2	1516.2
20°	1634.9	1636.1	1642.5	1660.9	1685.7	1701.9	1671.7	1640.3	1626.3	1616.6	1614.4
22.5°	1746.1	1754.8	1751.5	1773.1	1806.5	1824.8	1789.2	1754.8	1741.7	1735.3	1733.1
25°	1877.7	1886.4	1877.7	1899.3	1941.4	1959.8	1923.1	1885.4	1878.8	1874.5	1872.3
27.5°	2024.5	2025.6	2023.5	2035.3	2092.5	2110.8	2062.2	2028.9	2032.0	2029.9	2026.6
30°	2184.2	2183.2	2181.0	2177.8	2250.1	2272.7	2218.8	2191.8	2202.6	2196.1	2196.1
32.5°	2362.3	2359.0	2347.1	2354.8	2397.9	2442.1	2378.5	2362.3	2393.6	2389.2	2393.6
35°	2557.6	2556.6	2533.9	2541.4	2571.6	2611.6	2563.1	2555.4	2602.9	2613.7	2620.2
37.5°	2779.9	2781.0	2749.7	2745.4	2770.3	2799.3	2781.0	2800.5	2870.5	2907.3	2897.6
40°	3068.1	3063.7	3021.7	2987.1	3013.0	3050.8	3070.2	3124.2	3232.1	3287.2	3292.6
42.5°	3457.6	3446.8	3398.3	3331.4	3344.3	3369.1	3427.4	3521.3	3650.8	3702.7	3687.5
45°	3919.5	3900.1	3828.9	3752.3	3711.2	3719.8	3774.9	3891.4	4046.9	4115.9	4127.8
47.5°	4441.8	4419.1	4312.3	4167.7	4068.4	4057.6	4112.7	4269.2	4458.0	4542.2	4537.9
50°	5030.0	5001.9	4888.6	4666.3	4481.8	4450.5	4488.3	4682.5	4903.7	5017.0	5010.6
52.5°	5672.1	5632.2	5508.1	5221.0	4976.0	4854.0	4909.1	5142.2	5367.8	5513.5	5518.8
55°	6326.0	6317.4	6157.7	5868.5	5533.9	5353.8	5391.5	5641.8	5920.3	6068.1	6061.7
57.5°	6985.4	6962.8	6836.5	6533.2	6198.7	5897.6	5938.6	6212.7	6497.6	6653.0	6647.7
60°	7629.7	7598.4	7500.2	7273.6	6991.9	6643.3	6617.4	6879.7	7130.1	7274.6	7261.7
62.5°	8298.8	8297.6	8217.8	8040.8	7890.8	7564.9	7438.7	7621.0	7842.3	7978.3	7970.7
65°	8898.8	8903.1	8913.9	8919.3	8934.4	8761.8	8477.9	8453.1	8617.1	8698.1	8675.4
67.5°	8909.6	8949.5	9138.4	9528.0	10066.4	10135.5	9580.9	9073.6	8885.9	8788.7	8776.8
70°	8318.2	8366.7	8727.2	9520.3	10745.3	11127.3	10201.3	8980.7	8512.5	8265.3	8217.8
71°	7990.2	8025.8	8441.3	9392.0	10818.6	11215.8	10282.3	8817.8	8251.3	7992.3	7938.3
72.5°	7408.5	7440.8	7969.6	9049.9	10716.1	11080.8	10202.4	8504.8	7790.5	7473.2	7411.7
75°	6273.1	6358.4	6874.3	8213.5	10106.4	10475.4	9658.6	7675.1	6782.5	6316.4	6271.0
77.5°	4672.8	4820.6	5446.5	6930.4	9003.4	9493.4	8651.6	6458.8	5423.8	4911.3	4855.2
80°	2638.5	2788.6	3645.4	5254.5	7544.5	8187.6	7185.1	4901.5	3854.8	3204.1	3132.9
82.5°	976.6	945.3	1751.5	3308.7	5619.2	6402.6	5258.8	3195.4	2121.6	1470.9	1425.6
85°	215.8	323.8	772.7	1667.3	3546.1	4158.0	3102.6	1611.2	822.3	424.1	396.1
87.5°	59.4	105.8	265.5	699.3	1428.9	1619.8	1169.8	437.1	131.6	51.8	51.8
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)