

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: P285872

Luminaire Tested: **USSL-XL-C04-D-U-T5-BZ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285872  
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-C04-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: 41438.9 lumens  
Efficiency: N/A  
Efficacy: 157.0 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

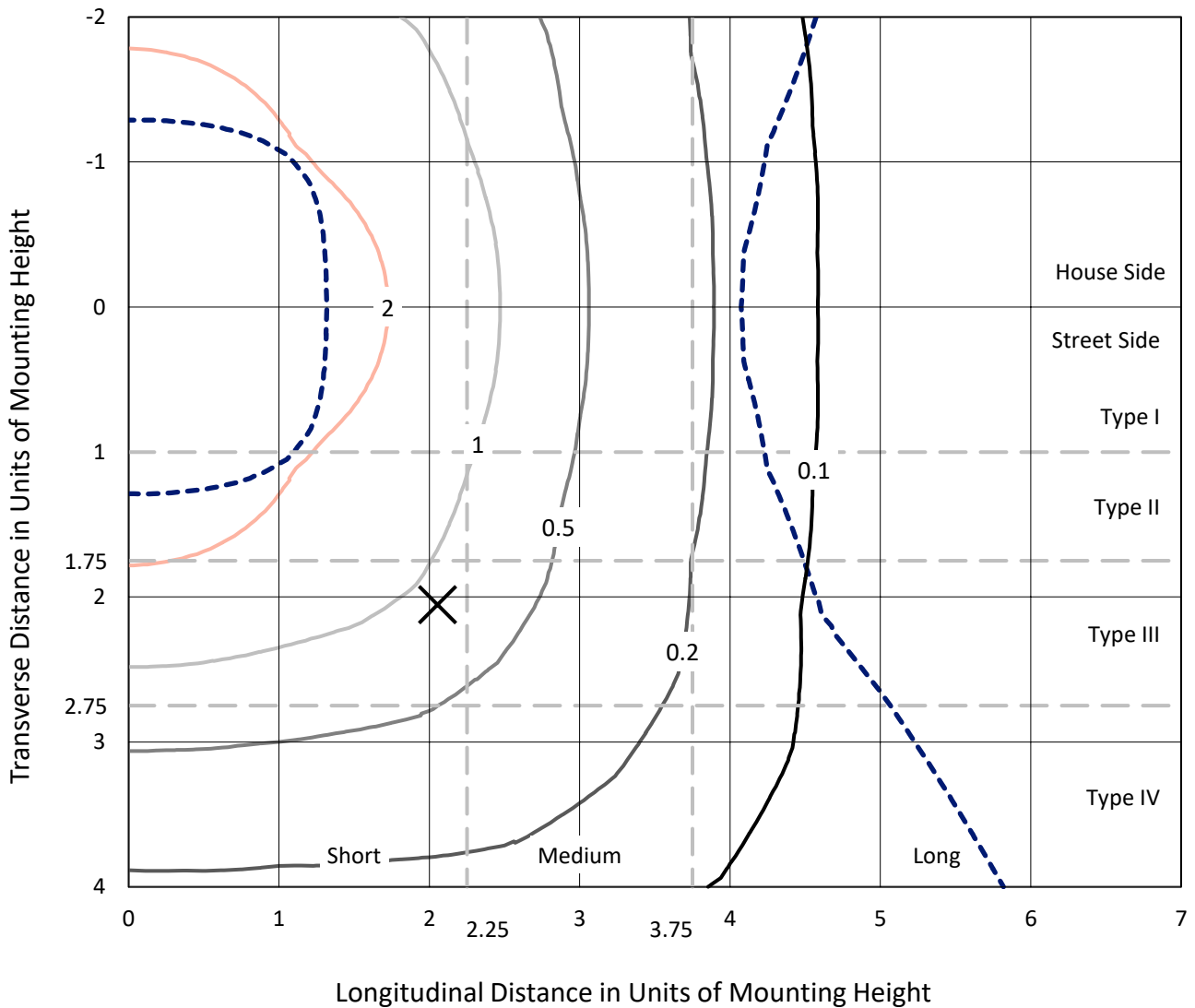
Input Watts (W): 264  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

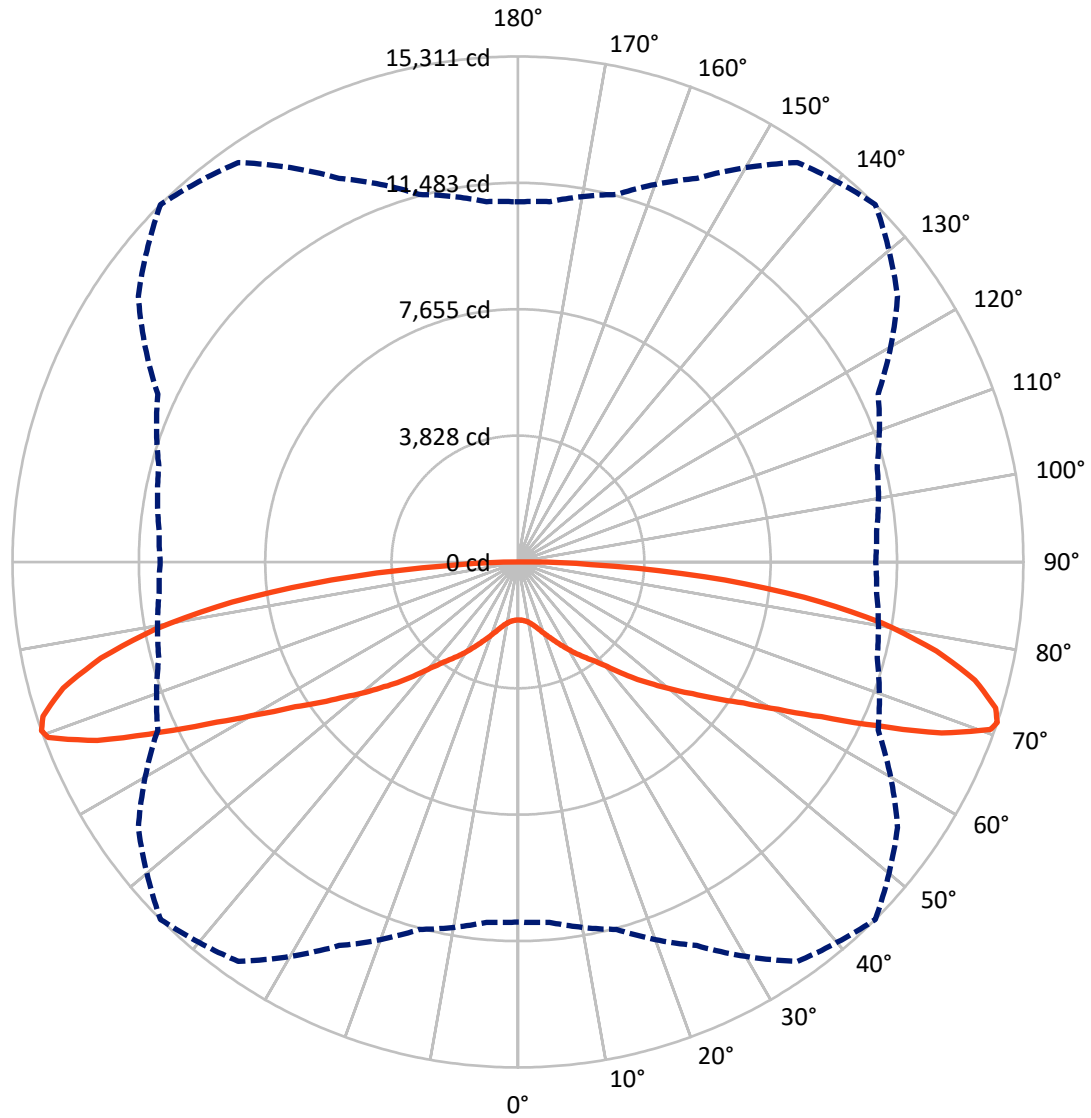
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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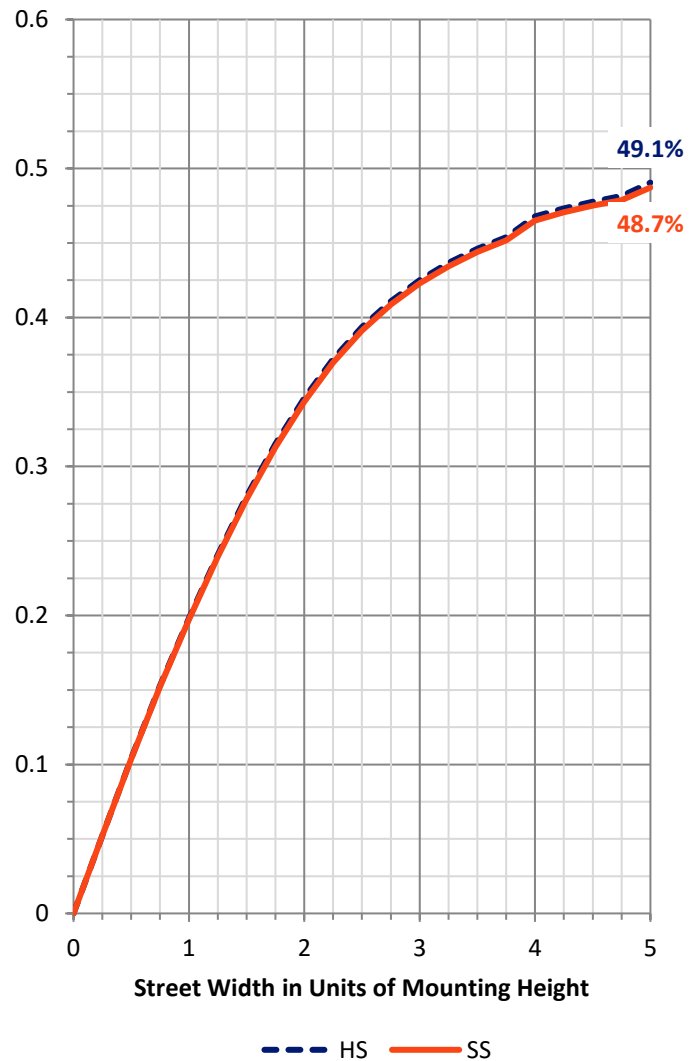
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20719.5	0.0	20719.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20719.5	0.0	20719.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41438.9	0.0	41438.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	0.4
10°-20°	579.7	1.4
20°-30°	1219.1	2.9
30°-40°	2245.2	5.4
40°-50°	4122.2	9.9
50°-60°	7184.6	17.3
60°-70°	11610.1	28.0
70°-80°	11187.2	27.0
80°-90°	3119.0	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°	41438.9	100.0
0°-180°	41438.9	100.0



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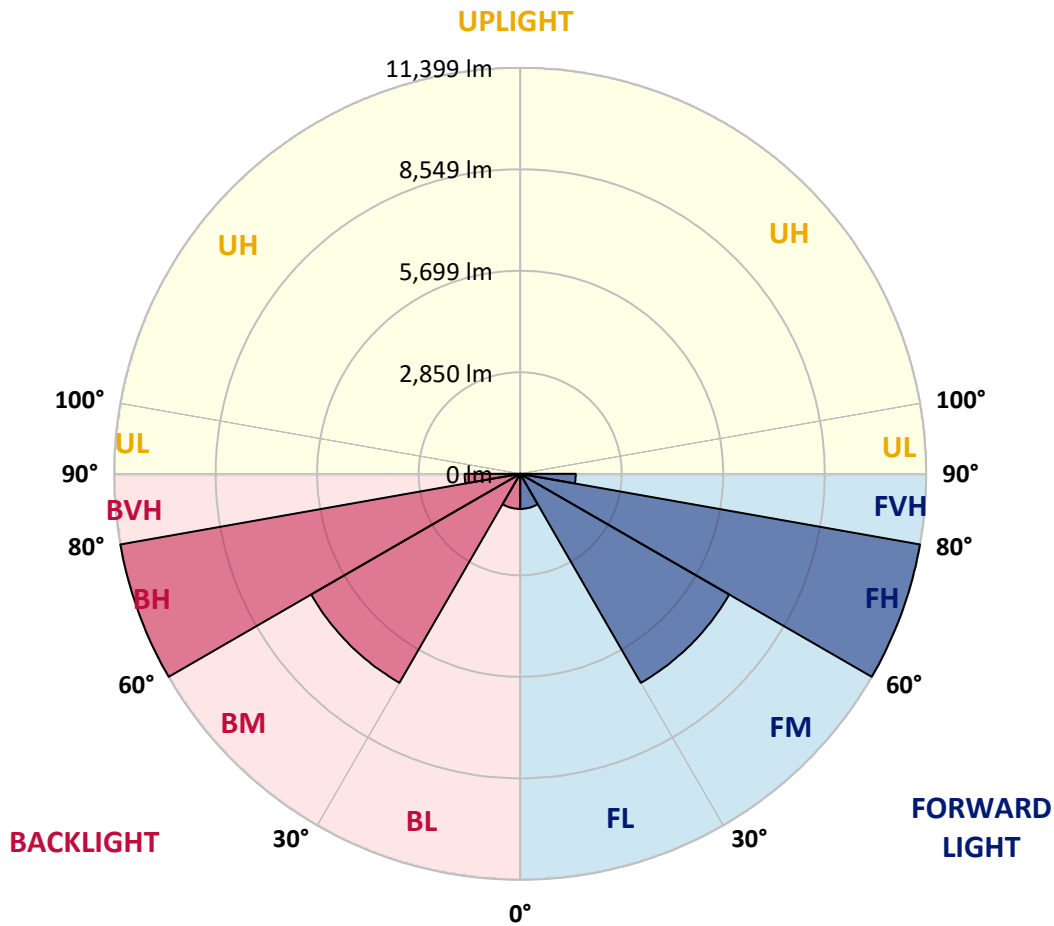
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.3	2.4			
FM (30°-60°)	6776.0	16.4			
FH (60°-80°)	11398.6	27.5			G4/12000
FVH (80°-90°)	1559.5	3.8			G5
BL (0°-30°)	985.3	2.4	B2/1000		
BM (30°-60°)	6776.0	16.4	B4/8500		
BH (60°-80°)	11398.6	27.5	B5		G4/12000
BVH (80°-90°)	1559.5	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°	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1	1753.1
2.5°	1760.5	1769.3	1764.8	1762.0	1763.4	1762.0	1759.0	1756.0	1753.1	1751.6	1751.6
5°	1773.7	1779.6	1778.1	1776.7	1778.1	1781.1	1779.6	1778.1	1773.7	1770.8	1770.8
7.5°	1806.2	1807.6	1809.0	1807.6	1807.6	1812.0	1809.0	1807.6	1798.8	1797.3	1794.3
10°	1856.2	1854.7	1859.2	1860.7	1860.7	1863.6	1854.7	1848.9	1832.7	1831.2	1828.2
12.5°	1915.1	1915.1	1921.1	1928.4	1934.3	1940.1	1923.9	1910.7	1888.6	1879.7	1881.2
15°	1996.2	1994.7	2002.0	2018.3	2034.5	2046.2	2022.7	2000.6	1971.1	1959.3	1962.3
17.5°	2102.2	2100.7	2112.6	2131.7	2158.2	2175.9	2143.4	2111.1	2084.5	2069.9	2069.9
20°	2231.8	2233.3	2242.2	2267.2	2301.1	2323.2	2282.0	2239.3	2220.1	2206.8	2203.9
22.5°	2383.6	2395.4	2391.0	2420.5	2466.1	2491.2	2442.5	2395.4	2377.7	2368.9	2365.9
25°	2563.4	2575.1	2563.4	2592.8	2650.3	2675.3	2625.3	2573.6	2564.9	2558.9	2555.9
27.5°	2763.7	2765.2	2762.2	2778.4	2856.5	2881.6	2815.3	2769.6	2774.0	2771.1	2766.7
30°	2981.7	2980.2	2977.3	2972.9	3071.6	3102.5	3028.9	2992.0	3006.7	2997.9	2997.9
32.5°	3224.9	3220.4	3204.2	3214.5	3273.4	3333.8	3246.9	3224.9	3267.6	3261.6	3267.6
35°	3491.4	3489.9	3459.1	3469.4	3510.6	3565.1	3498.8	3488.6	3553.3	3568.0	3576.8
37.5°	3795.0	3796.3	3753.6	3747.8	3781.6	3821.5	3796.3	3823.0	3918.7	3968.8	3955.5
40°	4188.3	4182.4	4124.9	4077.8	4113.2	4164.7	4191.2	4264.8	4412.2	4487.3	4494.7
42.5°	4720.1	4705.3	4639.1	4547.7	4565.4	4599.3	4678.8	4807.0	4983.8	5054.5	5033.9
45°	5350.6	5324.1	5226.9	5122.3	5066.3	5078.1	5153.2	5312.3	5524.4	5618.7	5635.0
47.5°	6063.6	6032.7	5886.9	5689.4	5553.9	5539.1	5614.3	5828.0	6085.7	6200.6	6194.8
50°	6866.6	6828.2	6673.6	6370.1	6118.2	6075.5	6127.0	6392.2	6694.1	6848.9	6840.0
52.5°	7743.1	7688.5	7519.1	7127.3	6792.9	6626.4	6701.5	7019.7	7327.6	7526.5	7533.9
55°	8635.9	8624.0	8406.0	8011.1	7554.5	7308.4	7360.1	7701.9	8081.9	8283.8	8274.9
57.5°	9535.9	9505.0	9332.6	8918.6	8462.0	8051.0	8107.0	8481.1	8870.1	9082.2	9074.9
60°	10415.4	10372.7	10238.6	9929.2	9544.8	9068.9	9033.5	9391.6	9733.4	9930.7	9913.0
62.5°	11328.8	11327.4	11218.3	10976.7	10772.0	10327.0	10154.7	10403.7	10705.6	10891.2	10880.9
65°	12147.9	12153.8	12168.5	12175.9	12196.5	11960.8	11573.4	11539.4	11763.4	11873.8	11842.9
67.5°	12162.7	12217.1	12474.9	13006.8	13741.9	13836.1	13079.0	12386.5	12130.2	11997.6	11981.4
70°	11355.3	11421.6	11913.7	12996.5	14668.5	15190.1	13926.0	12259.9	11620.5	11283.2	11218.3
71°	10907.4	10956.1	11523.2	12821.2	14768.6	15310.8	14036.5	12037.4	11264.0	10910.4	10836.7
72.5°	10113.5	10157.7	10879.4	12354.1	14628.7	15126.7	13927.5	11610.1	10634.9	10201.9	10117.8
75°	8563.7	8680.1	9384.1	11212.5	13796.4	14300.2	13185.1	10477.3	9259.0	8622.6	8560.7
77.5°	6378.9	6580.7	7435.2	9460.8	12290.8	12959.6	11810.6	8817.0	7404.2	6704.5	6627.9
80°	3602.0	3806.7	4976.4	7173.0	10299.0	11177.1	9808.4	6691.3	5262.2	4373.9	4276.7
82.5°	1333.2	1290.5	2391.0	4516.8	7670.9	8740.5	7178.8	4362.1	2896.3	2008.0	1946.1
85°	294.7	442.0	1054.8	2276.0	4840.9	5676.2	4235.4	2199.5	1122.5	578.9	540.7
87.5°	81.0	144.4	362.4	954.7	1950.5	2211.3	1597.0	596.6	179.8	70.7	70.7
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)