

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: P285866

Luminaire Tested: **USSL-XL-C049-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285866
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-C049-D-U-T5-AP-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34810.3 lumens
Efficiency: N/A
Efficacy: 160.4 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

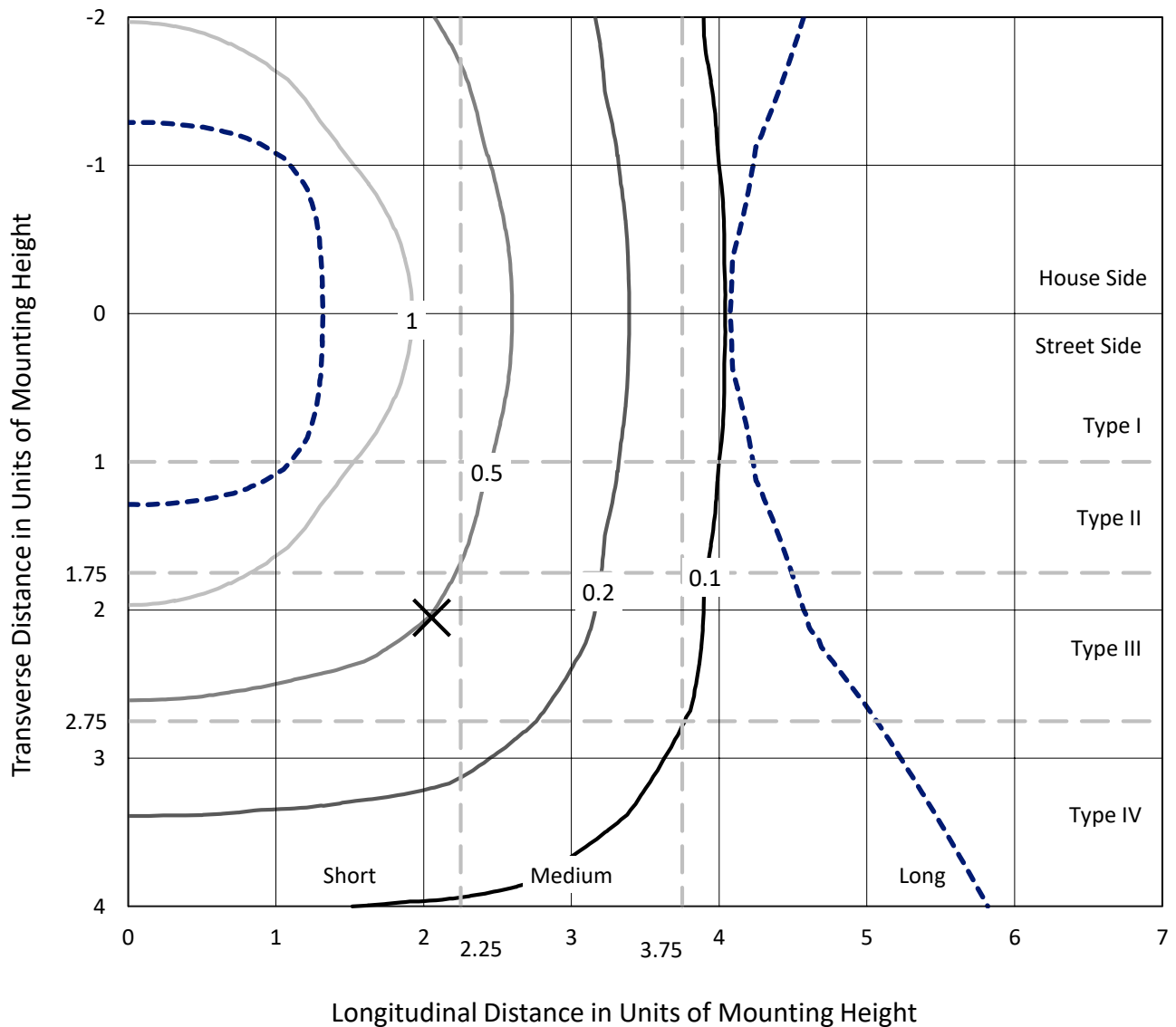
Input Watts (W): 217
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

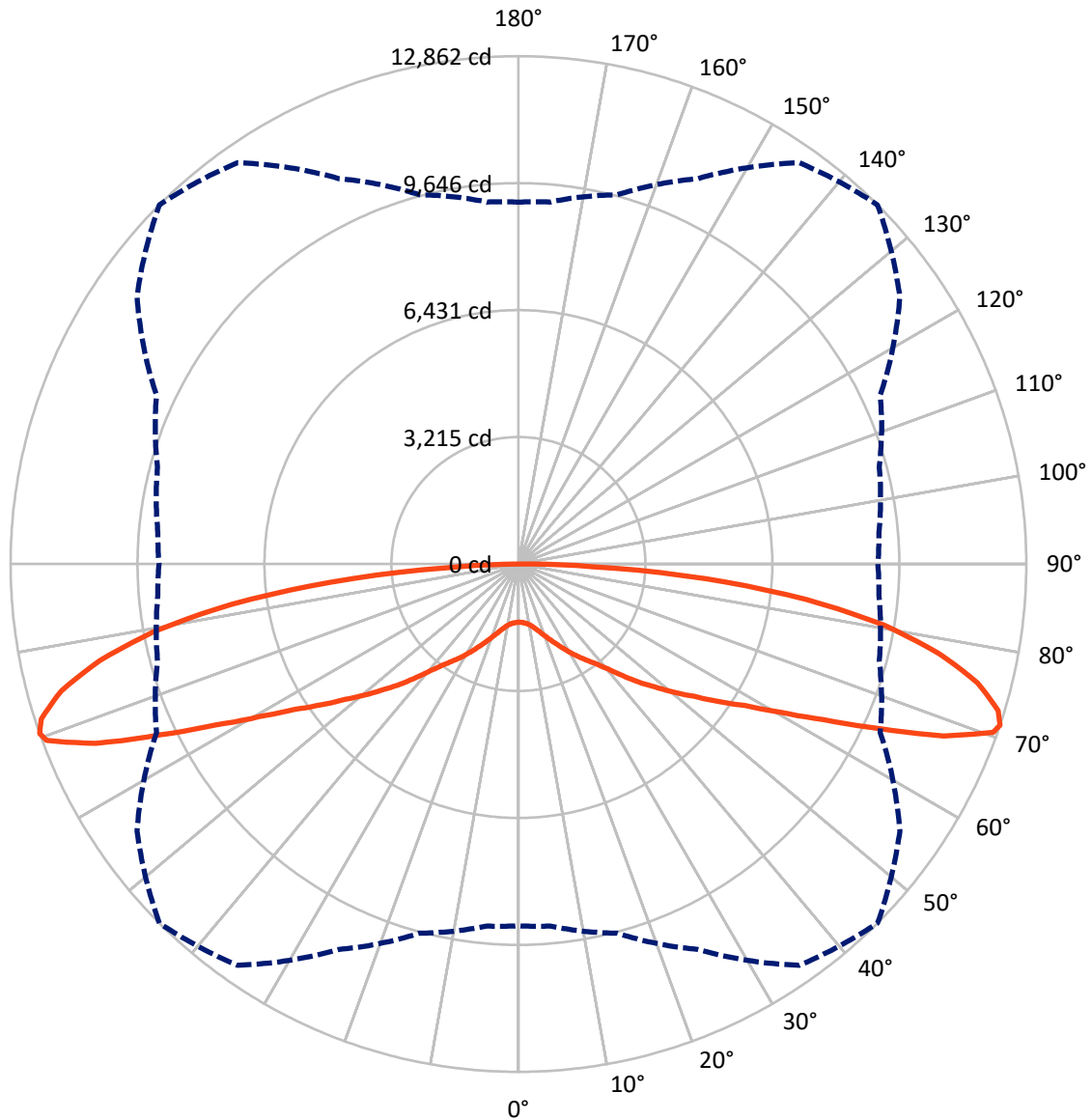


Based on 30 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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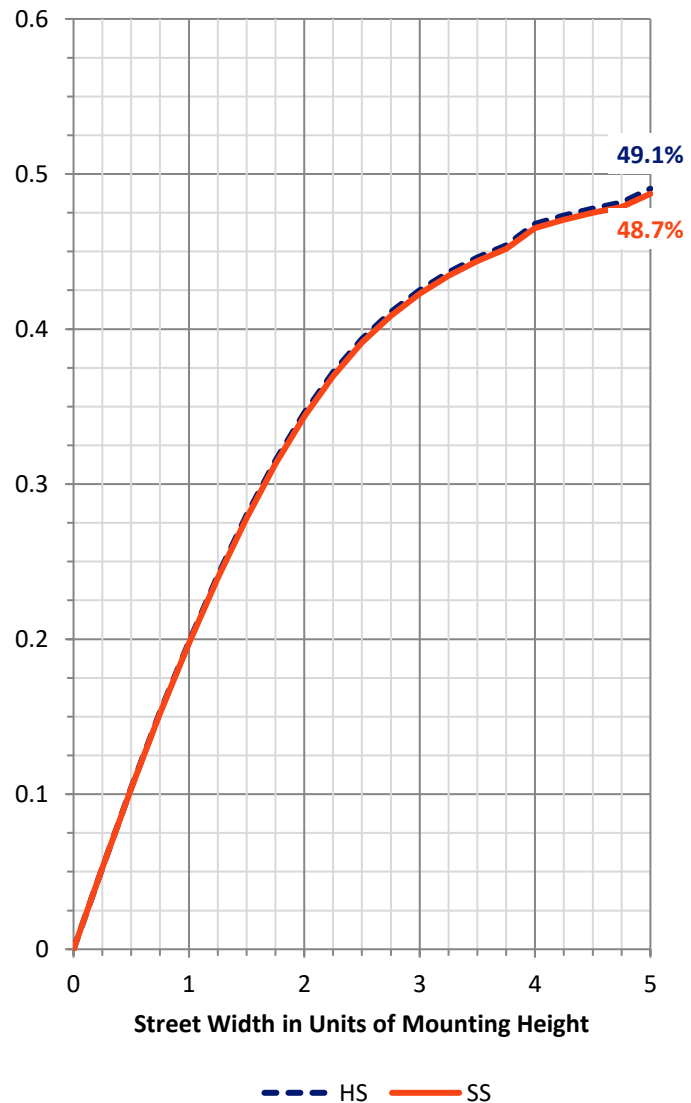
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17405.1	0.0	17405.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17405.1	0.0	17405.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	34810.3	0.0	34810.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.4	0.4
10°-20°	486.9	1.4
20°-30°	1024.1	2.9
30°-40°	1886.1	5.4
40°-50°	3462.8	9.9
50°-60°	6035.4	17.3
60°-70°	9752.9	28.0
70°-80°	9397.6	27.0
80°-90°	2620.0	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°	34810.3	100.0
0°-180°	34810.3	100.0



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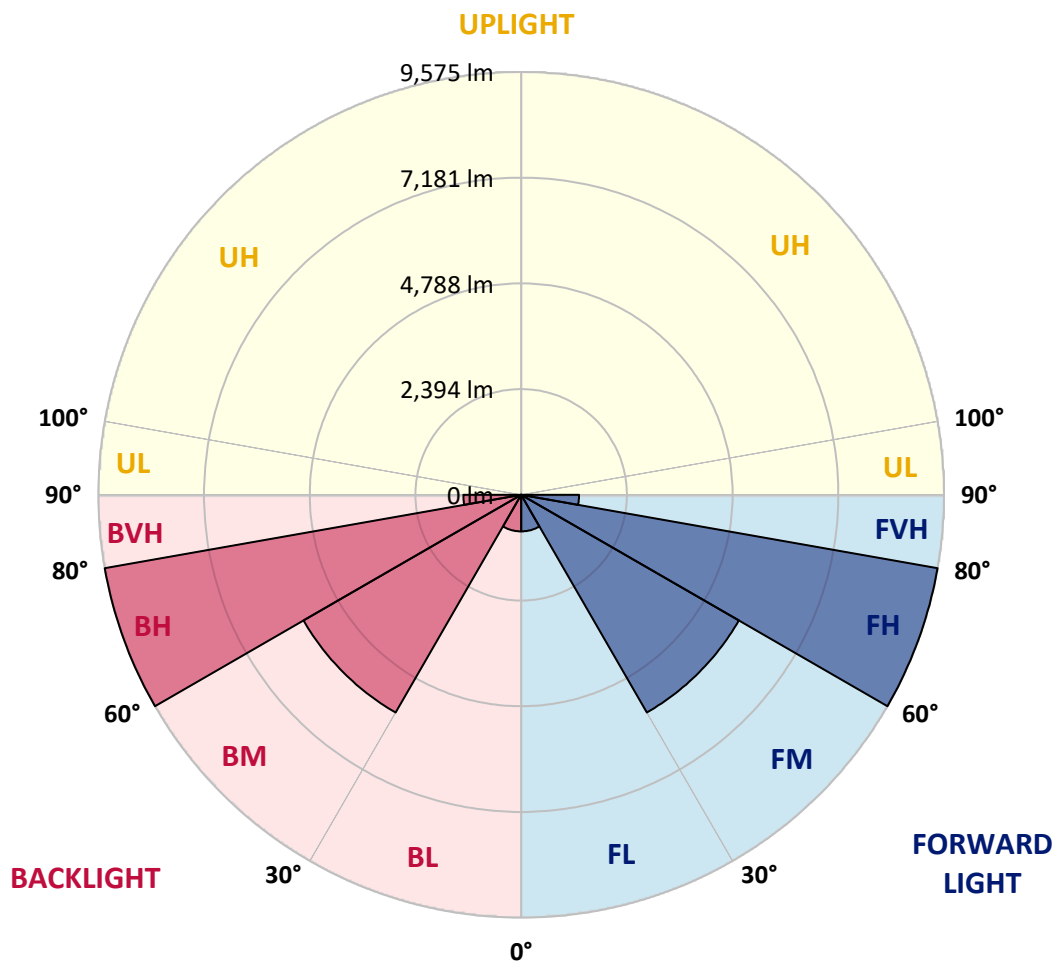
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	827.7	2.4			
FM	(30°-60°)	5692.1	16.4			
FH	(60°-80°)	9575.3	27.5			G4/12000
FVH	(80°-90°)	1310.0	3.8			G5
BL	(0°-30°)	827.7	2.4	B2/1000		
BM	(30°-60°)	5692.1	16.4	B4/8500		
BH	(60°-80°)	9575.3	27.5	B5		G4/12000
BVH	(80°-90°)	1310.0	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°	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6	1472.6
2.5°	1478.9	1486.3	1482.6	1480.0	1481.3	1480.0	1477.6	1475.2	1472.6	1471.5	1471.5
5°	1490.0	1495.0	1493.7	1492.4	1493.7	1496.2	1495.0	1493.7	1490.0	1487.5	1487.5
7.5°	1517.2	1518.4	1519.7	1518.4	1518.4	1522.1	1519.7	1518.4	1511.0	1509.8	1507.3
10°	1559.3	1558.1	1561.8	1563.0	1563.0	1565.5	1558.1	1553.1	1539.5	1538.2	1535.8
12.5°	1608.8	1608.8	1613.7	1620.0	1624.9	1629.8	1616.2	1605.1	1586.6	1579.1	1580.3
15°	1676.9	1675.6	1681.8	1695.4	1709.0	1718.9	1699.1	1680.6	1655.8	1645.9	1648.4
17.5°	1766.0	1764.7	1774.6	1790.7	1813.0	1827.8	1800.7	1773.4	1751.1	1738.8	1738.8
20°	1874.9	1876.1	1883.5	1904.5	1933.0	1951.6	1916.9	1881.0	1865.0	1853.9	1851.3
22.5°	2002.4	2012.2	2008.5	2033.3	2071.7	2092.7	2051.9	2012.2	1997.4	1990.0	1987.5
25°	2153.3	2163.3	2153.3	2178.1	2226.3	2247.4	2205.3	2162.0	2154.6	2149.6	2147.1
27.5°	2321.6	2322.9	2320.3	2334.0	2399.6	2420.6	2365.0	2326.6	2330.3	2327.8	2324.0
30°	2504.8	2503.5	2501.0	2497.3	2580.2	2606.3	2544.4	2513.4	2525.8	2518.4	2518.4
32.5°	2709.0	2705.3	2691.6	2700.3	2749.8	2800.6	2727.5	2709.0	2744.8	2739.9	2744.8
35°	2933.0	2931.7	2905.7	2914.4	2949.1	2994.9	2939.1	2930.5	2984.9	2997.3	3004.7
37.5°	3187.9	3189.1	3153.2	3148.3	3176.7	3210.1	3189.1	3211.4	3291.8	3333.9	3322.8
40°	3518.3	3513.4	3465.1	3425.5	3455.2	3498.5	3520.8	3582.7	3706.4	3769.5	3775.7
42.5°	3965.1	3952.7	3897.0	3820.3	3835.1	3863.5	3930.4	4038.1	4186.6	4246.0	4228.7
45°	4494.7	4472.5	4390.7	4302.9	4255.9	4265.8	4328.8	4462.5	4640.8	4719.9	4733.5
47.5°	5093.7	5067.7	4945.2	4779.4	4665.5	4653.2	4716.2	4895.7	5112.2	5208.8	5203.8
50°	5768.2	5736.0	5606.0	5351.1	5139.5	5103.6	5146.9	5369.7	5623.4	5753.2	5745.8
52.5°	6504.5	6458.7	6316.4	5987.2	5706.3	5566.4	5629.6	5896.9	6155.5	6322.5	6328.8
55°	7254.4	7244.5	7061.4	6729.7	6346.0	6139.4	6182.7	6469.8	6789.1	6958.7	6951.2
57.5°	8010.5	7984.5	7839.8	7492.0	7108.4	6763.1	6810.2	7124.4	7451.2	7629.4	7623.2
60°	8749.4	8713.4	8600.9	8341.0	8017.9	7618.2	7588.6	7889.3	8176.4	8342.3	8327.3
62.5°	9516.6	9515.4	9423.8	9220.8	9048.9	8675.1	8530.3	8739.5	8993.1	9149.1	9140.5
65°	10204.7	10209.7	10222.0	10228.2	10245.5	10047.5	9722.0	9693.6	9881.7	9974.5	9948.5
67.5°	10217.1	10262.9	10479.4	10926.2	11543.7	11622.9	10986.8	10405.1	10189.9	10078.5	10064.8
70°	9538.9	9594.6	10007.9	10917.5	12322.1	12760.2	11698.4	10298.7	9761.7	9478.3	9423.8
71°	9162.7	9203.5	9680.0	10770.3	12406.2	12861.7	11791.2	10111.9	9462.2	9165.2	9103.3
72.5°	8495.6	8532.8	9139.2	10377.9	12288.7	12707.0	11699.6	9753.0	8933.8	8569.9	8499.3
75°	7193.8	7291.6	7883.1	9418.9	11589.5	12012.7	11076.0	8801.3	7777.9	7243.3	7191.3
77.5°	5358.5	5528.0	6245.9	7947.4	10324.7	10886.6	9921.3	7406.7	6219.8	5632.0	5567.7
80°	3025.8	3197.8	4180.4	6025.5	8651.6	9389.1	8239.5	5620.9	4420.4	3674.2	3592.5
82.5°	1120.0	1084.1	2008.5	3794.2	6443.9	7342.2	6030.5	3664.3	2433.0	1686.7	1634.8
85°	247.5	371.3	886.1	1912.0	4066.5	4768.2	3557.9	1847.6	943.0	486.4	454.2
87.5°	68.0	121.3	304.4	801.9	1638.5	1857.6	1341.5	501.2	150.9	59.4	59.4
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)