

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-BZ-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-BZ-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32843 lumens
Efficiency: N/A
Efficacy: 151.4 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

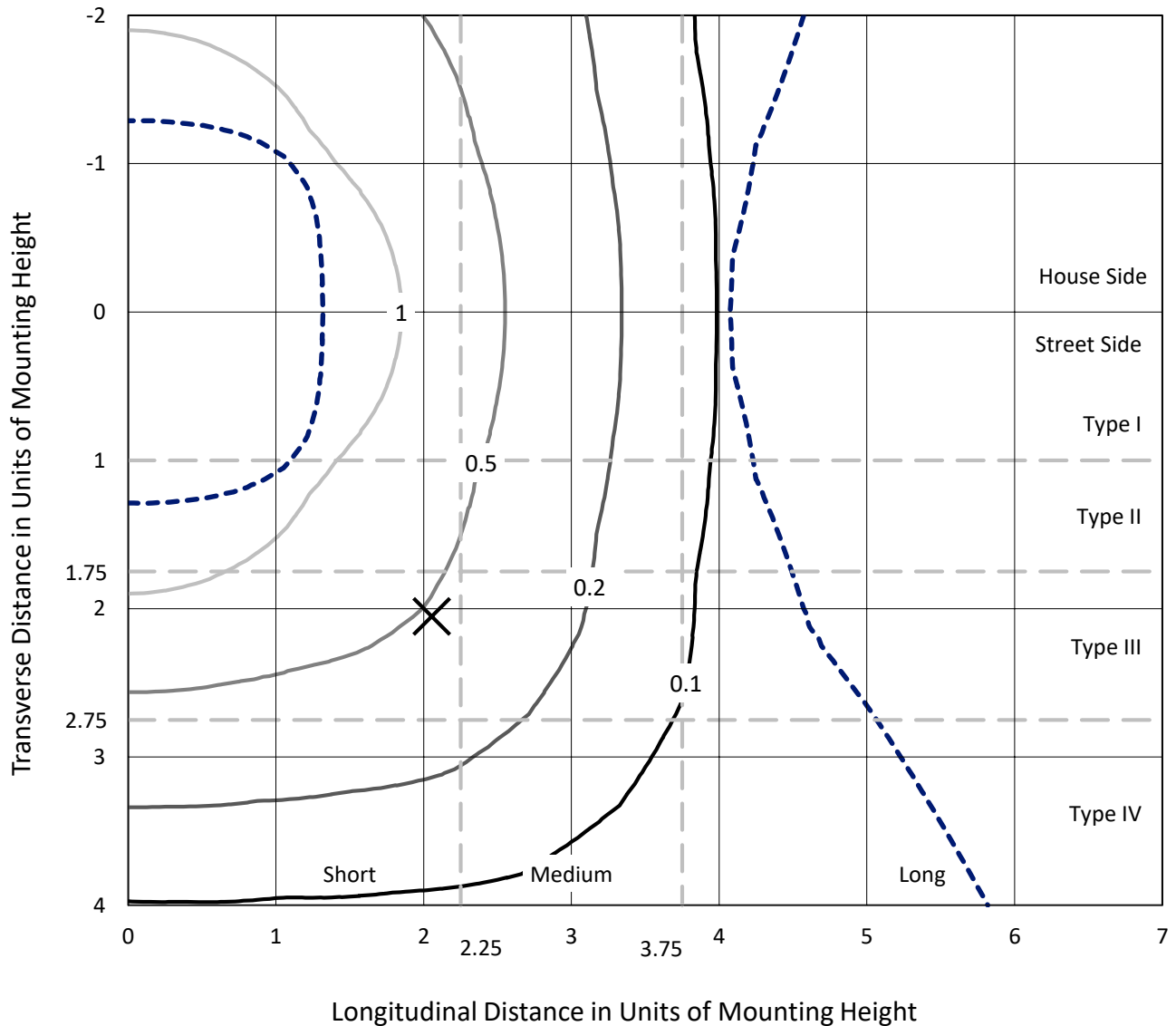


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

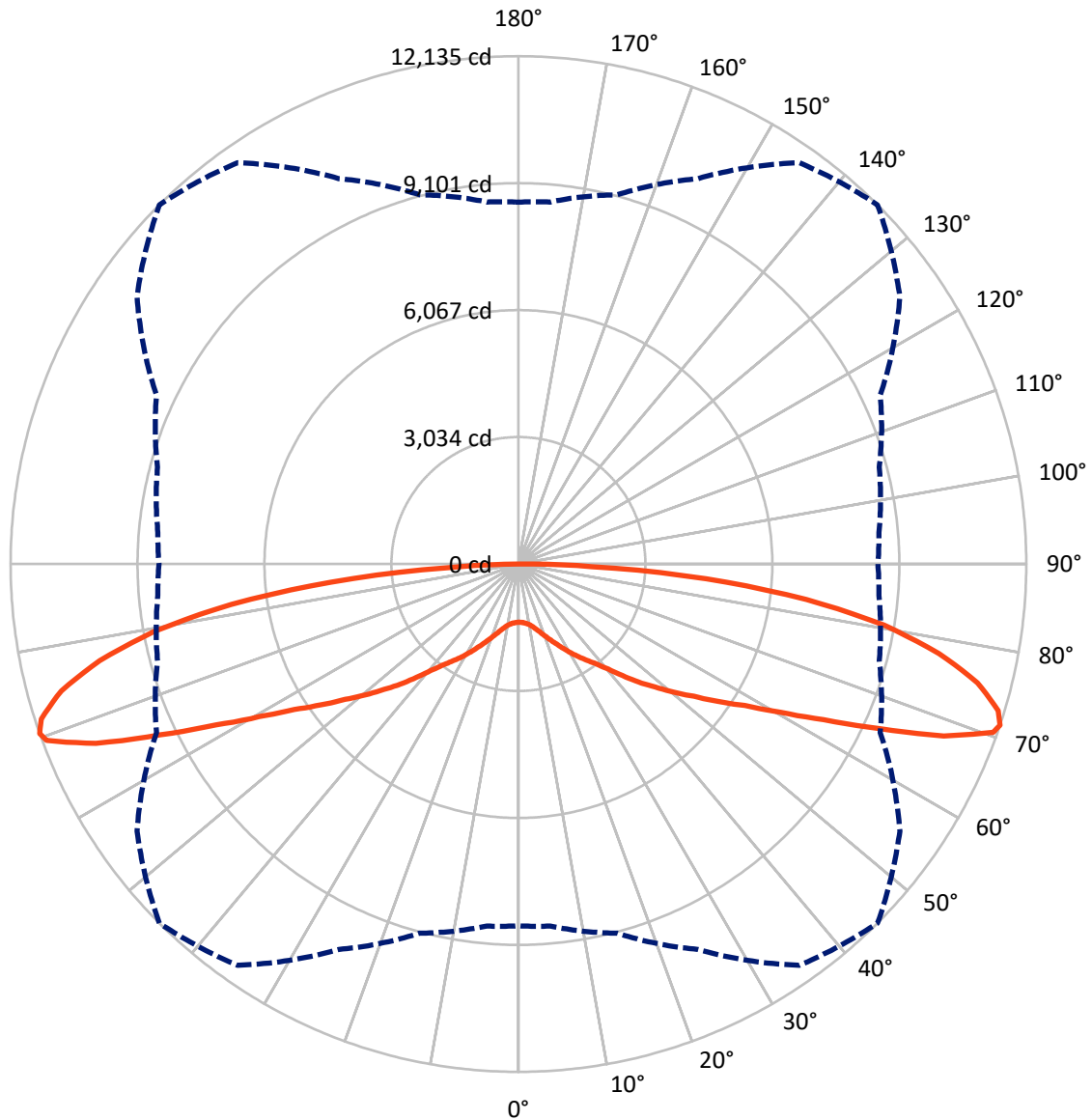


Based on 30 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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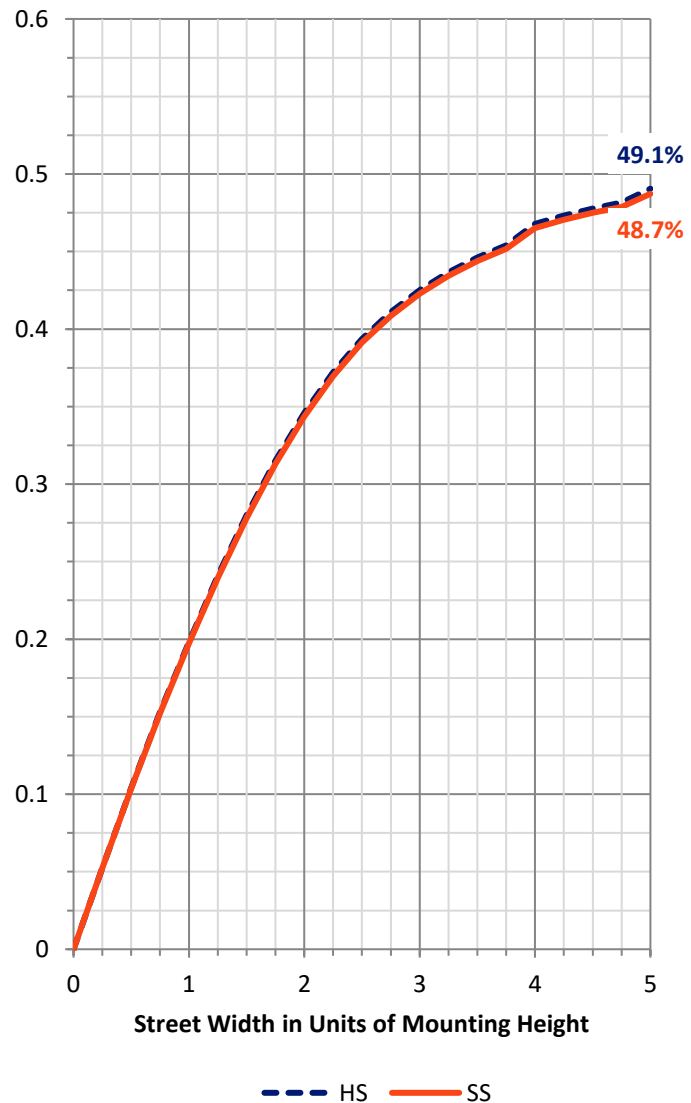
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16421.5	0.0	16421.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16421.5	0.0	16421.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32843.0	0.0	32843.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	0.4
10°-20°	459.4	1.4
20°-30°	966.2	2.9
30°-40°	1779.5	5.4
40°-50°	3267.1	9.9
50°-60°	5694.3	17.3
60°-70°	9201.8	28.0
70°-80°	8866.5	27.0
80°-90°	2472.0	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°	32843.0	100.0
0°-180°	32843.0	100.0



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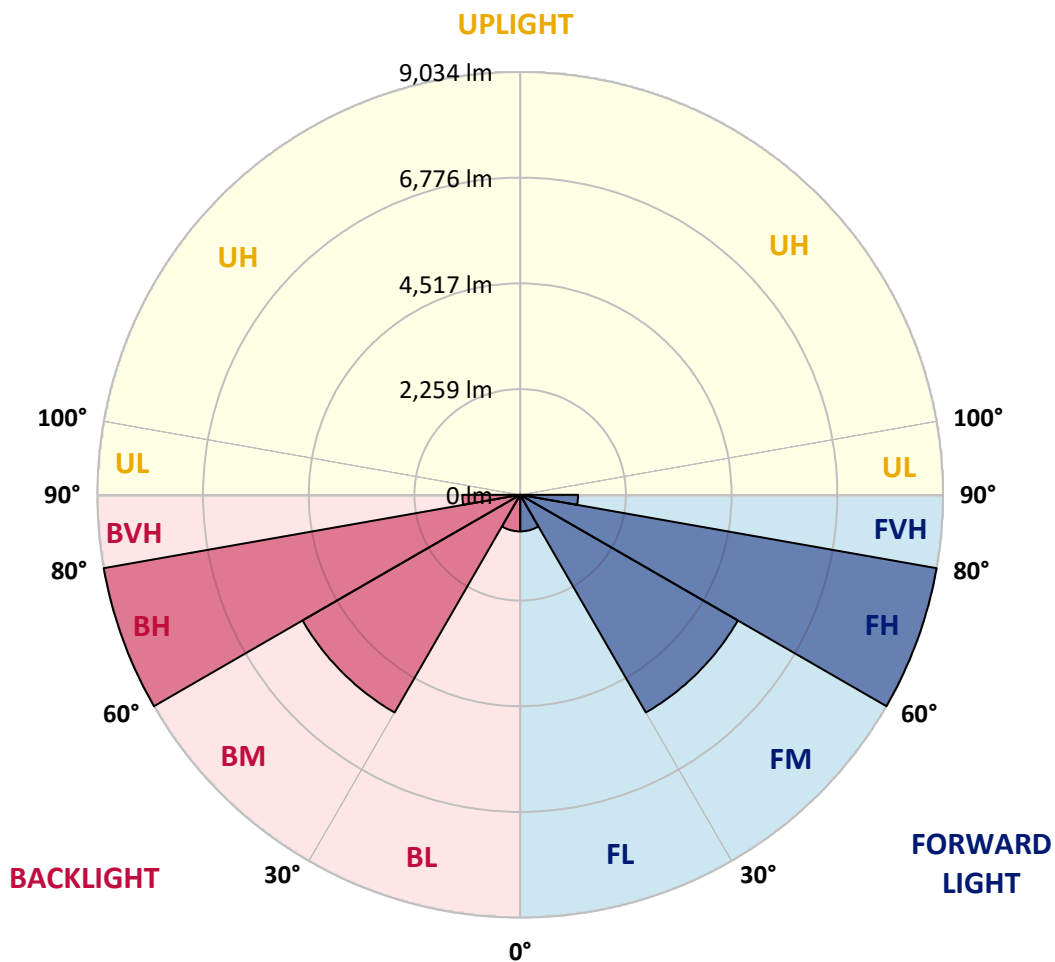
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.0	2.4			
FM	(30°-60°)	5370.4	16.4			
FH	(60°-80°)	9034.1	27.5			G4/12000
FVH	(80°-90°)	1236.0	3.8			G5
BL	(0°-30°)	781.0	2.4	B2/1000		
BM	(30°-60°)	5370.4	16.4	B4/8500		
BH	(60°-80°)	9034.1	27.5	B5		G4/12000
BVH	(80°-90°)	1236.0	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°	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4	1389.4
2.5°	1395.3	1402.3	1398.8	1396.4	1397.6	1396.4	1394.1	1391.8	1389.4	1388.3	1388.3
5°	1405.8	1410.5	1409.3	1408.1	1409.3	1411.6	1410.5	1409.3	1405.8	1403.4	1403.4
7.5°	1431.5	1432.6	1433.8	1432.6	1432.6	1436.1	1433.8	1432.6	1425.6	1424.5	1422.1
10°	1471.2	1470.0	1473.5	1474.7	1474.7	1477.0	1470.0	1465.3	1452.5	1451.3	1449.0
12.5°	1517.9	1517.9	1522.5	1528.4	1533.1	1537.7	1524.9	1514.4	1496.9	1489.9	1491.0
15°	1582.1	1580.9	1586.8	1599.6	1612.4	1621.8	1603.1	1585.6	1562.2	1552.9	1555.2
17.5°	1666.2	1665.0	1674.3	1689.5	1710.5	1724.5	1698.9	1673.2	1652.1	1640.5	1640.5
20°	1768.9	1770.1	1777.1	1796.9	1823.8	1841.3	1808.6	1774.7	1759.6	1749.1	1746.7
22.5°	1889.2	1898.5	1895.0	1918.4	1954.6	1974.4	1935.9	1898.5	1884.5	1877.5	1875.2
25°	2031.6	2041.0	2031.6	2055.0	2100.5	2120.4	2080.7	2039.8	2032.8	2028.1	2025.8
27.5°	2190.4	2191.6	2189.2	2202.1	2264.0	2283.8	2231.3	2195.1	2198.6	2196.2	2192.7
30°	2363.2	2362.0	2359.7	2356.2	2434.4	2459.0	2400.6	2371.4	2383.1	2376.1	2376.1
32.5°	2555.9	2552.4	2539.5	2547.7	2594.4	2642.3	2573.4	2555.9	2589.7	2585.1	2589.7
35°	2767.2	2766.0	2741.5	2749.7	2782.4	2825.6	2773.0	2764.9	2816.2	2827.9	2834.9
37.5°	3007.7	3008.9	2975.0	2970.4	2997.2	3028.7	3008.9	3029.9	3105.8	3145.5	3135.0
40°	3319.5	3314.8	3269.3	3231.9	3259.9	3300.8	3321.8	3380.2	3496.9	3556.5	3562.3
42.5°	3741.0	3729.3	3676.8	3604.4	3618.4	3645.2	3708.3	3809.9	3950.0	4006.0	3989.7
45°	4240.7	4219.7	4142.6	4059.7	4015.4	4024.7	4084.2	4210.3	4378.5	4453.2	4466.0
47.5°	4805.8	4781.3	4665.7	4509.3	4401.8	4390.2	4449.7	4619.0	4823.3	4914.4	4909.7
50°	5442.2	5411.8	5289.2	5048.7	4849.0	4815.2	4856.0	5066.2	5305.6	5428.1	5421.1
52.5°	6136.9	6093.7	5959.4	5648.8	5383.8	5251.8	5311.4	5563.6	5807.6	5965.2	5971.1
55°	6844.4	6835.1	6662.3	6349.4	5987.4	5792.4	5833.3	6104.2	6405.4	6565.4	6558.4
57.5°	7557.8	7533.3	7396.7	7068.6	6706.7	6380.9	6425.3	6721.8	7030.1	7198.2	7192.4
60°	8254.9	8221.0	8114.8	7869.6	7564.8	7187.7	7159.7	7443.4	7714.3	7870.8	7856.7
62.5°	8978.8	8977.6	8891.2	8699.7	8537.5	8184.8	8048.2	8245.6	8484.9	8632.0	8623.9
65°	9628.0	9632.7	9644.3	9650.2	9666.5	9479.7	9172.6	9145.8	9323.2	9410.8	9386.3
67.5°	9639.7	9682.9	9887.2	10308.7	10891.3	10966.0	10365.9	9817.1	9614.0	9508.9	9496.0
70°	8999.8	9052.4	9442.3	10300.5	11625.7	12039.1	11037.3	9716.7	9210.0	8942.6	8891.2
71°	8644.9	8683.4	9132.9	10161.6	11705.1	12134.8	11124.8	9540.4	8927.4	8647.2	8588.8
72.5°	8015.5	8050.6	8622.7	9791.4	11594.2	11988.9	11038.4	9201.8	8428.9	8085.6	8019.0
75°	6787.2	6879.5	7437.6	8886.6	10934.5	11333.8	10450.0	8303.9	7338.3	6833.9	6784.9
77.5°	5055.7	5215.6	5892.9	7498.3	9741.2	10271.3	9360.6	6988.1	5868.3	5313.7	5253.0
80°	2854.8	3017.1	3944.1	5685.0	8162.7	8858.5	7773.8	5303.2	4170.6	3466.6	3389.5
82.5°	1056.7	1022.8	1895.0	3579.8	6079.7	6927.3	5689.7	3457.2	2295.5	1591.4	1542.4
85°	233.5	350.3	836.0	1803.9	3836.7	4498.7	3356.8	1743.2	889.7	458.9	428.5
87.5°	64.2	114.4	287.2	756.6	1545.9	1752.6	1265.7	472.9	142.4	56.0	56.0
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)