

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-BZ-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-BZ-7050
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28640 lumens
Efficiency: N/A
Efficacy: 162.7 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

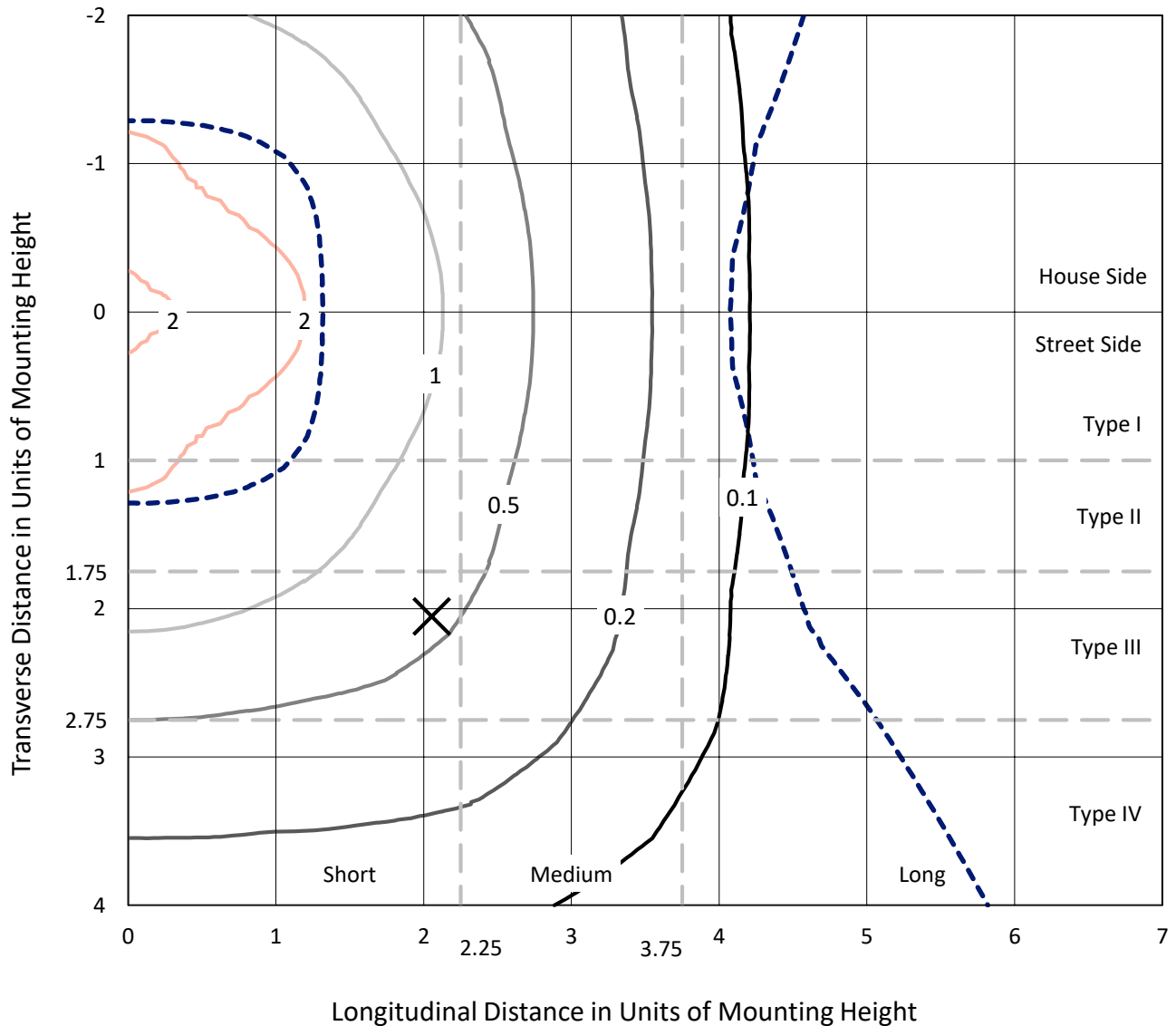
Input Watts (W): 176
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

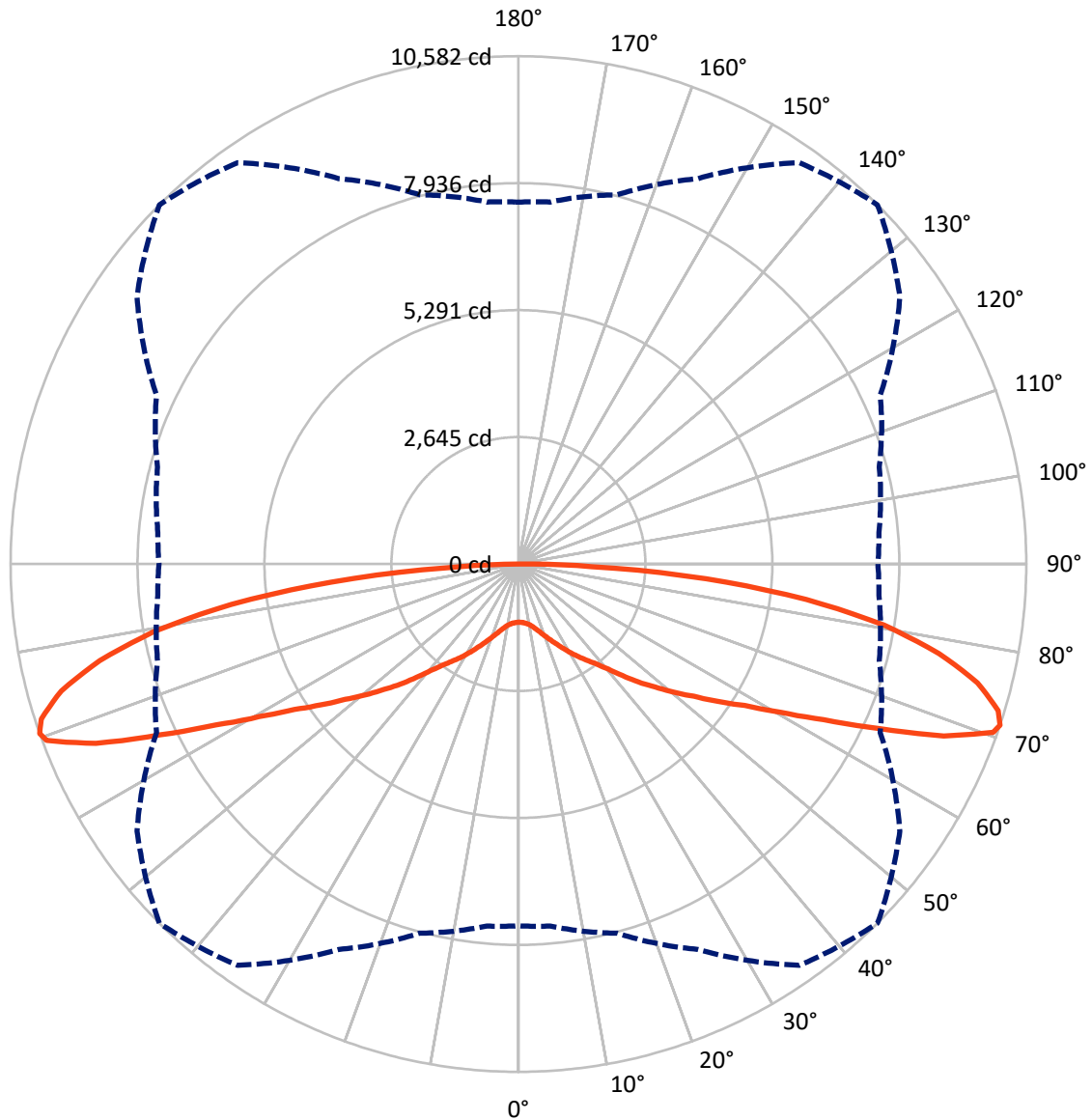


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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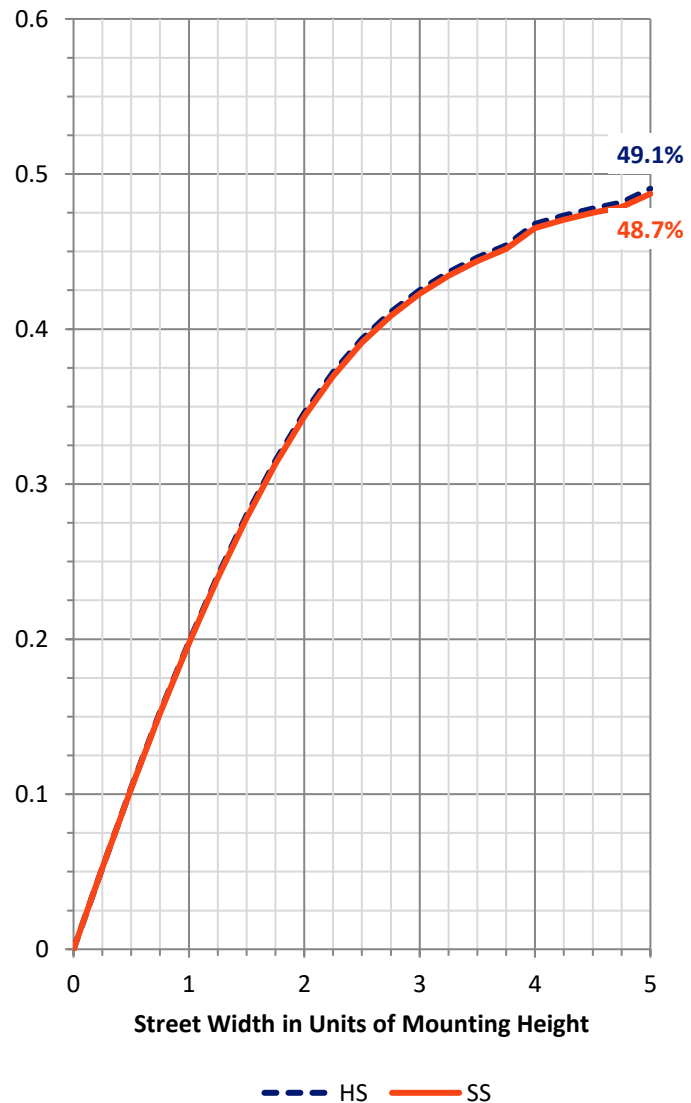
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14320.0	0.0	14320.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14320.0	0.0	14320.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28640.0	0.0	28640.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	0.4
10°-20°	400.6	1.4
20°-30°	842.5	2.9
30°-40°	1551.7	5.4
40°-50°	2849.0	9.9
50°-60°	4965.6	17.3
60°-70°	8024.2	28.0
70°-80°	7731.9	27.0
80°-90°	2155.6	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°	28640.0	100.0
0°-180°	28640.0	100.0



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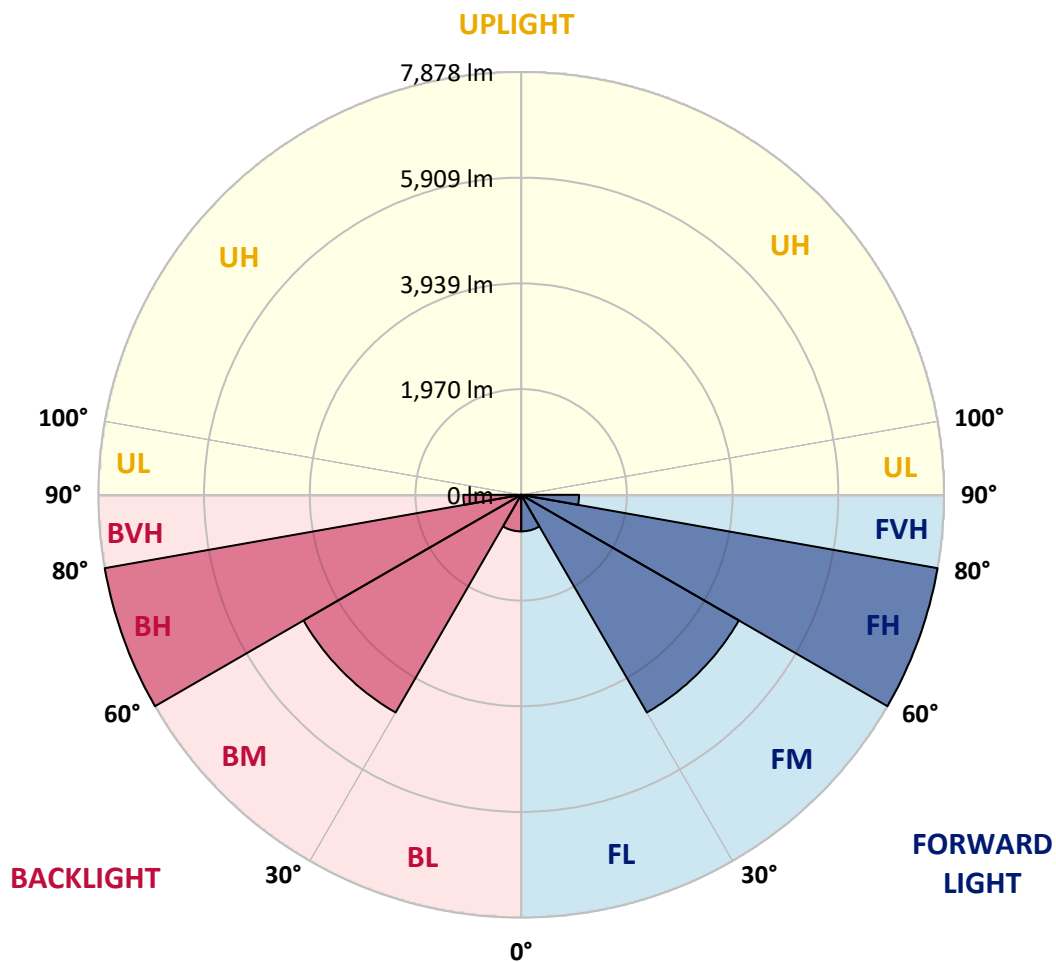
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	681.0	2.4			
FM	(30°-60°)	4683.2	16.4			
FH	(60°-80°)	7878.0	27.5			G4/12000
FVH	(80°-90°)	1077.8	3.8			G5
BL	(0°-30°)	681.0	2.4	B2/1000		
BM	(30°-60°)	4683.2	16.4	B3/5000		
BH	(60°-80°)	7878.0	27.5	B5		G4/12000
BVH	(80°-90°)	1077.8	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°	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6	1211.6
2.5°	1216.7	1222.8	1219.8	1217.7	1218.8	1217.7	1215.7	1213.7	1211.6	1210.6	1210.6
5°	1225.9	1230.0	1228.9	1227.9	1228.9	1231.0	1230.0	1228.9	1225.9	1223.8	1223.8
7.5°	1248.3	1249.3	1250.3	1249.3	1249.3	1252.4	1250.3	1249.3	1243.2	1242.2	1240.1
10°	1282.9	1281.9	1284.9	1286.0	1286.0	1288.0	1281.9	1277.8	1266.6	1265.6	1263.6
12.5°	1323.6	1323.6	1327.7	1332.8	1336.9	1340.9	1329.7	1320.6	1305.3	1299.2	1300.2
15°	1379.6	1378.6	1383.7	1394.9	1406.1	1414.2	1398.0	1382.7	1362.3	1354.2	1356.2
17.5°	1452.9	1451.9	1460.1	1473.3	1491.6	1503.8	1481.4	1459.0	1440.7	1430.5	1430.5
20°	1542.5	1543.6	1549.7	1567.0	1590.4	1605.7	1577.2	1547.6	1534.4	1525.2	1523.2
22.5°	1647.4	1655.6	1652.5	1672.9	1704.4	1721.7	1688.1	1655.6	1643.3	1637.2	1635.2
25°	1771.6	1779.8	1771.6	1792.0	1831.7	1849.0	1814.4	1778.8	1772.6	1768.6	1766.5
27.5°	1910.1	1911.1	1909.1	1920.3	1974.2	1991.5	1945.7	1914.2	1917.2	1915.2	1912.1
30°	2060.8	2059.8	2057.7	2054.7	2122.9	2144.3	2093.4	2067.9	2078.1	2072.0	2072.0
32.5°	2228.8	2225.7	2214.5	2221.7	2262.4	2304.1	2244.1	2228.8	2258.3	2254.2	2258.3
35°	2413.1	2412.1	2390.7	2397.8	2426.3	2464.0	2418.2	2411.0	2455.8	2466.0	2472.1
37.5°	2622.8	2623.8	2594.3	2590.2	2613.7	2641.1	2623.8	2642.2	2708.3	2743.0	2733.8
40°	2894.7	2890.6	2850.9	2818.3	2842.7	2878.4	2896.7	2947.6	3049.4	3101.4	3106.5
42.5°	3262.2	3252.0	3206.2	3143.1	3155.3	3178.7	3233.7	3322.3	3444.5	3493.4	3479.1
45°	3698.0	3679.7	3612.5	3540.2	3501.5	3509.6	3561.6	3671.5	3818.2	3883.3	3894.5
47.5°	4190.8	4169.4	4068.6	3932.2	3838.5	3828.3	3880.3	4027.9	4206.1	4285.5	4281.4
50°	4745.7	4719.2	4612.3	4402.6	4228.5	4199.0	4234.6	4417.9	4626.6	4733.5	4727.4
52.5°	5351.5	5313.9	5196.8	4925.9	4694.8	4579.7	4631.7	4851.6	5064.4	5201.9	5206.9
55°	5968.5	5960.4	5809.7	5536.8	5221.2	5051.2	5086.8	5323.0	5585.7	5725.2	5719.1
57.5°	6590.6	6569.3	6450.1	6164.0	5848.4	5564.3	5603.0	5861.6	6130.4	6277.0	6272.0
60°	7198.5	7169.0	7076.3	6862.5	6596.8	6267.9	6243.4	6490.9	6727.1	6863.5	6851.3
62.5°	7829.8	7828.7	7753.4	7586.4	7444.9	7137.4	7018.3	7190.3	7399.1	7527.4	7520.2
65°	8395.9	8399.9	8410.1	8415.2	8429.5	8266.6	7998.8	7975.4	8130.1	8206.5	8185.1
67.5°	8406.1	8443.7	8621.9	8989.5	9497.5	9562.7	9039.4	8560.8	8383.7	8292.0	8280.8
70°	7848.1	7893.9	8234.0	8982.3	10138.0	10498.4	9624.8	8473.2	8031.4	7798.2	7753.4
71°	7538.6	7572.2	7964.2	8861.2	10207.2	10581.9	9701.2	8319.5	7785.0	7540.6	7489.7
72.5°	6989.8	7020.3	7519.2	8538.4	10110.5	10454.6	9625.8	8024.2	7350.2	7050.9	6992.8
75°	5918.6	5999.1	6485.8	7749.3	9535.2	9883.4	9112.7	7241.3	6399.2	5959.4	5916.6
77.5°	4408.7	4548.2	5138.7	6538.7	8494.6	8956.9	8162.7	6093.8	5117.3	4633.7	4580.8
80°	2489.4	2631.0	3439.4	4957.5	7118.1	7724.9	6779.0	4624.5	3636.9	3023.0	2955.8
82.5°	921.4	891.9	1652.5	3121.7	5301.6	6040.8	4961.6	3014.8	2001.7	1387.8	1345.0
85°	203.6	305.5	729.0	1573.1	3345.7	3923.0	2927.3	1520.1	775.8	400.1	373.7
87.5°	56.0	99.8	250.5	659.8	1348.1	1528.3	1103.7	412.4	124.2	48.9	48.9
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)