

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: P416637

Luminaire Tested: **LXF.LXT-PA1-80-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8146 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

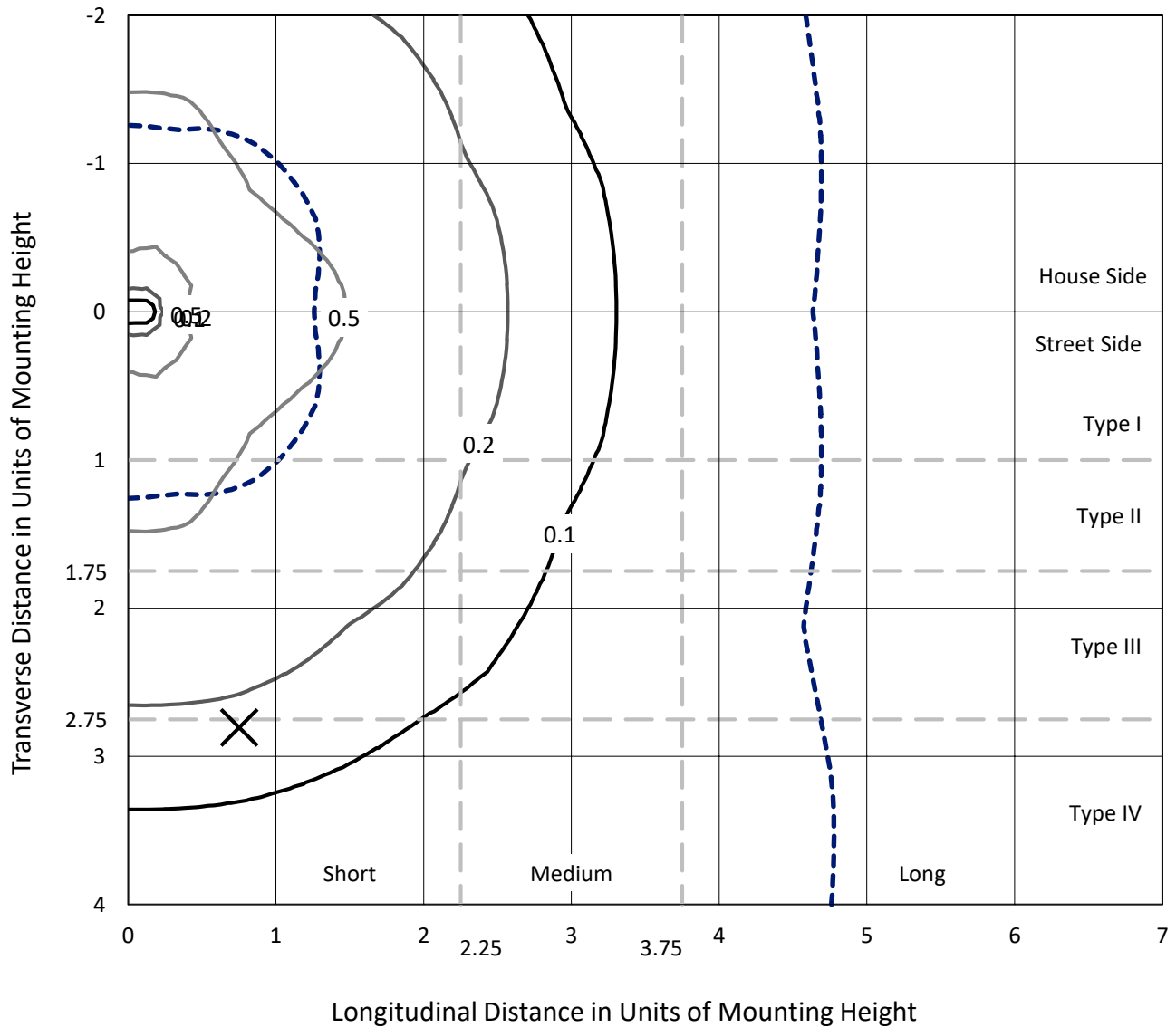
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

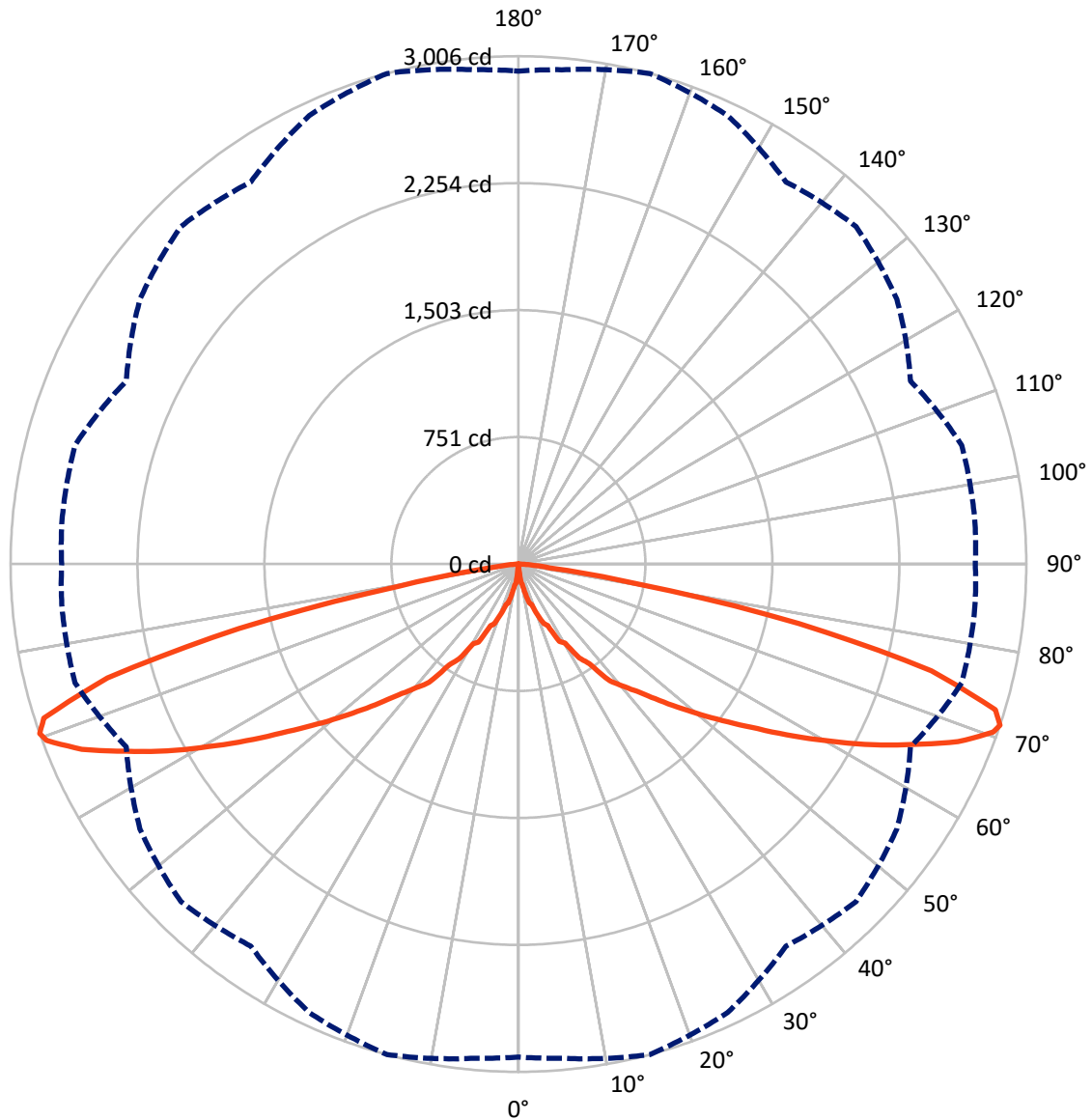
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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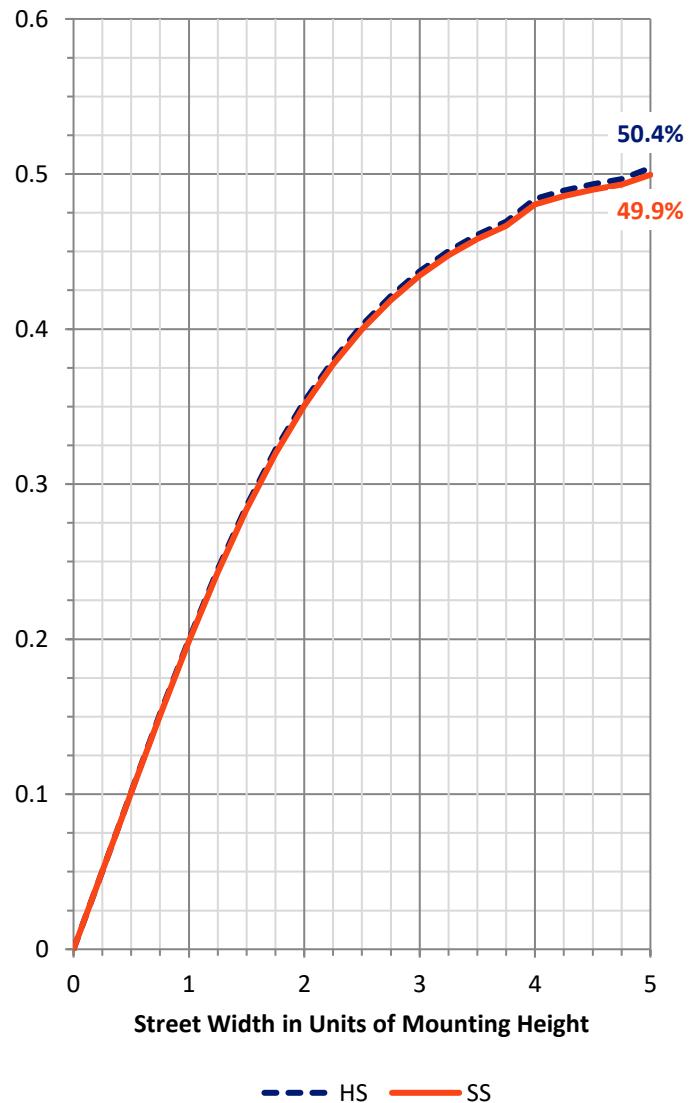
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4073.0	0.0	4073.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4073.0	0.0	4073.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8146.0	0.0	8146.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	54.0	0.7
20°-30°	204.0	2.5
30°-40°	462.1	5.7
40°-50°	825.8	10.1
50°-60°	1453.2	17.8
60°-70°	2404.0	29.5
70°-80°	2431.2	29.8
80°-90°	308.0	3.8
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°	8146.0	100.0
0°-180°	8146.0	100.0



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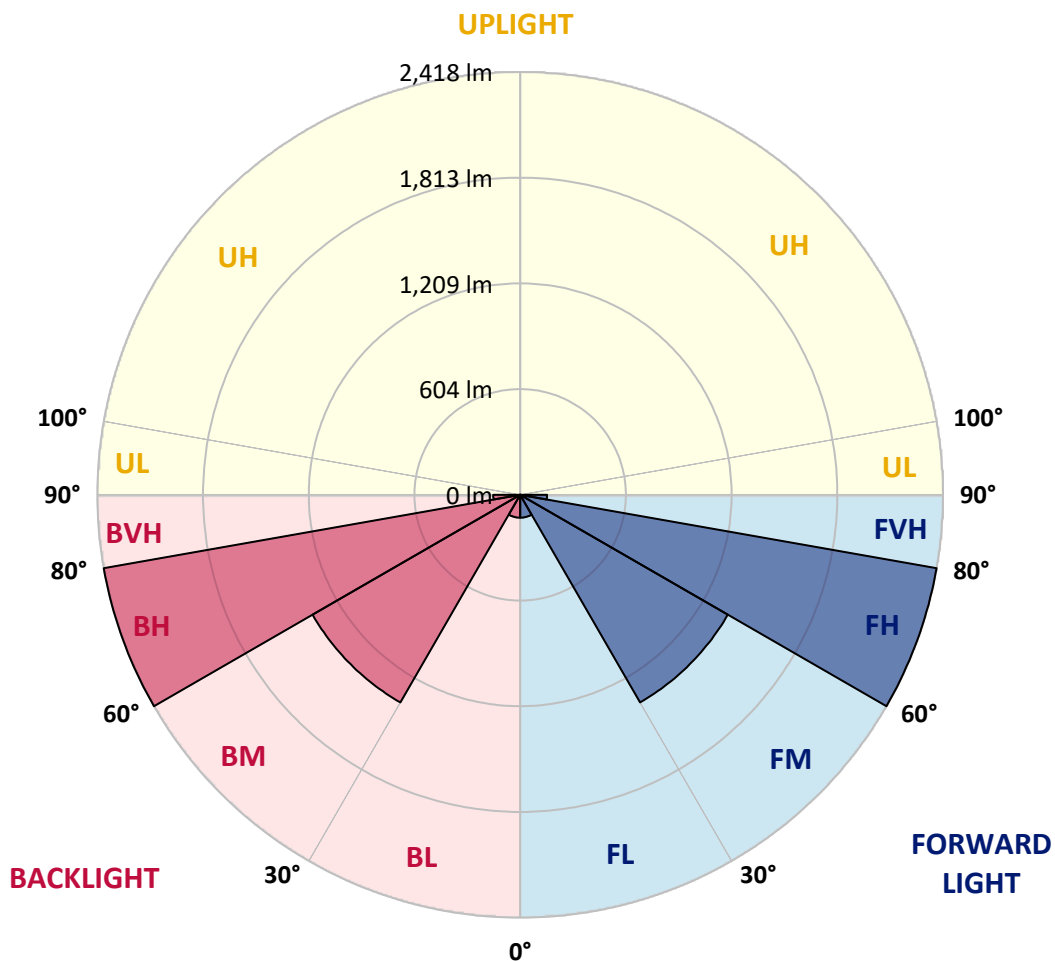
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.8	1.6			
FM	(30°-60°)	1370.5	16.8			
FH	(60°-80°)	2417.6	29.7			G2/5000
FVH	(80°-90°)	154.0	1.9			G2/225
BL	(0°-30°)	130.8	1.6	B1/500		
BM	(30°-60°)	1370.5	16.8	B2/2500		
BH	(60°-80°)	2417.6	29.7	B3/2500		G2/5000
BVH	(80°-90°)	154.0	1.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.5	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
5°	50.2	36.0	17.6	14.2	10.0	3.3	1.7	1.7	1.7	0.8	0.8
7.5°	112.9	112.1	110.4	96.2	67.7	50.2	10.9	2.5	1.7	1.7	1.7
10°	125.4	124.6	123.8	121.3	117.9	107.0	56.0	10.9	4.2	5.0	5.0
12.5°	180.6	179.8	172.3	133.8	122.1	119.6	101.2	51.8	44.3	83.6	88.6
15°	246.7	245.9	237.5	204.0	174.8	128.8	167.2	185.6	165.6	183.1	183.1
17.5°	261.7	259.2	250.9	242.5	230.8	224.1	246.7	237.5	184.0	196.5	196.5
20°	352.1	334.5	317.8	270.1	250.0	327.8	265.9	259.2	291.0	343.7	352.9
22.5°	390.5	389.7	381.3	359.6	355.4	343.7	331.2	377.1	384.7	391.4	393.9
25°	459.9	454.9	403.1	385.5	441.5	376.3	446.6	408.1	421.5	483.4	490.0
27.5°	531.0	529.3	518.5	462.4	462.4	500.1	470.0	493.4	562.0	586.2	595.4
30°	593.7	562.0	541.9	551.1	512.6	536.0	537.7	577.8	594.6	625.5	633.9
32.5°	697.4	694.9	662.3	600.4	602.1	567.8	614.6	611.3	747.6	817.9	836.2
35°	773.5	779.4	724.2	699.9	643.1	676.5	657.3	743.4	787.7	868.0	879.7
37.5°	923.2	922.4	877.2	756.8	715.8	715.0	750.1	781.9	848.8	922.4	929.9
40°	987.6	985.9	948.3	877.2	771.9	779.4	799.5	828.7	903.1	986.8	991.0
42.5°	1077.1	1068.7	1030.3	935.8	878.9	863.8	868.9	904.8	975.9	1075.4	1071.2
45°	1167.4	1169.9	1136.5	1028.6	972.6	941.6	950.8	998.5	1077.9	1176.6	1175.8
47.5°	1277.0	1280.3	1264.4	1129.8	1080.4	1037.8	1055.3	1103.0	1190.0	1286.1	1284.5
50°	1412.4	1411.6	1400.7	1253.5	1202.5	1160.7	1174.1	1214.2	1306.2	1401.6	1411.6
52.5°	1550.4	1553.7	1552.1	1403.2	1347.2	1307.1	1319.6	1357.2	1446.7	1542.0	1550.4
55°	1705.9	1721.8	1720.2	1596.4	1508.6	1497.7	1505.2	1513.6	1612.3	1705.1	1706.8
57.5°	1898.3	1905.8	1920.9	1814.7	1716.0	1710.1	1695.9	1692.6	1789.6	1866.5	1854.8
60°	2098.1	2105.7	2129.9	2061.4	1952.6	1964.3	1917.5	1866.5	1959.3	2021.2	2014.5
62.5°	2289.6	2307.2	2354.9	2299.7	2199.3	2235.3	2145.8	2059.7	2145.8	2196.8	2186.8
65°	2495.4	2517.1	2573.1	2551.4	2408.4	2484.5	2389.2	2245.3	2362.4	2387.5	2389.2
67.5°	2722.0	2739.5	2806.4	2767.1	2589.9	2671.8	2593.2	2427.6	2556.4	2547.2	2538.0
70°	2896.8	2918.5	2980.4	2898.4	2722.0	2790.6	2712.8	2543.0	2692.7	2697.7	2690.2
71°	2917.7	2936.1	3005.5	2928.5	2760.5	2824.8	2733.7	2560.6	2716.1	2712.8	2703.6
72.5°	2848.3	2870.8	2952.8	2903.5	2790.6	2867.5	2732.9	2532.2	2682.7	2651.7	2639.2
75°	2412.6	2424.3	2524.6	2614.9	2681.8	2849.1	2580.7	2308.9	2409.2	2361.6	2355.7
77.5°	1465.9	1496.0	1696.7	1973.5	2296.3	2564.8	2245.3	1867.3	1828.0	1686.7	1631.5
80°	505.9	558.6	717.5	1009.4	1544.5	1981.9	1583.0	1141.5	853.8	643.1	594.6
82.5°	84.5	122.9	186.5	316.1	694.1	1126.4	781.9	377.1	245.0	171.4	165.6
85°	28.4	33.4	71.1	87.8	162.2	310.2	182.3	104.5	90.3	57.7	53.5
87.5°	4.2	5.9	9.2	10.0	14.2	8.4	15.1	15.9	12.5	8.4	5.0
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)