

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: P416065

Luminaire Tested: **LXF.LXT-PA1-60-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416065
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-PA1-60-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5841 lumens
Efficiency: N/A
Efficacy: 91.3 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

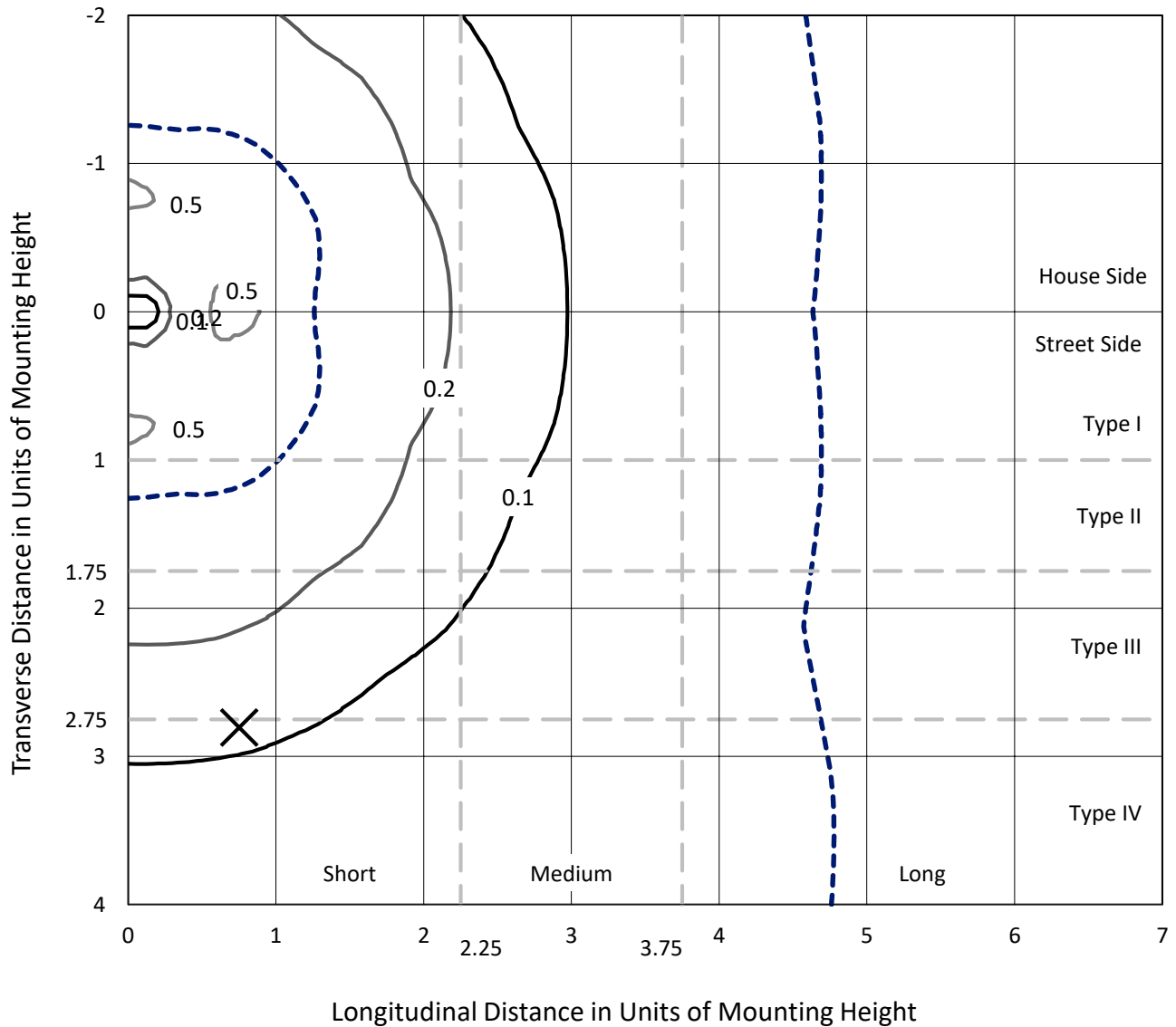
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

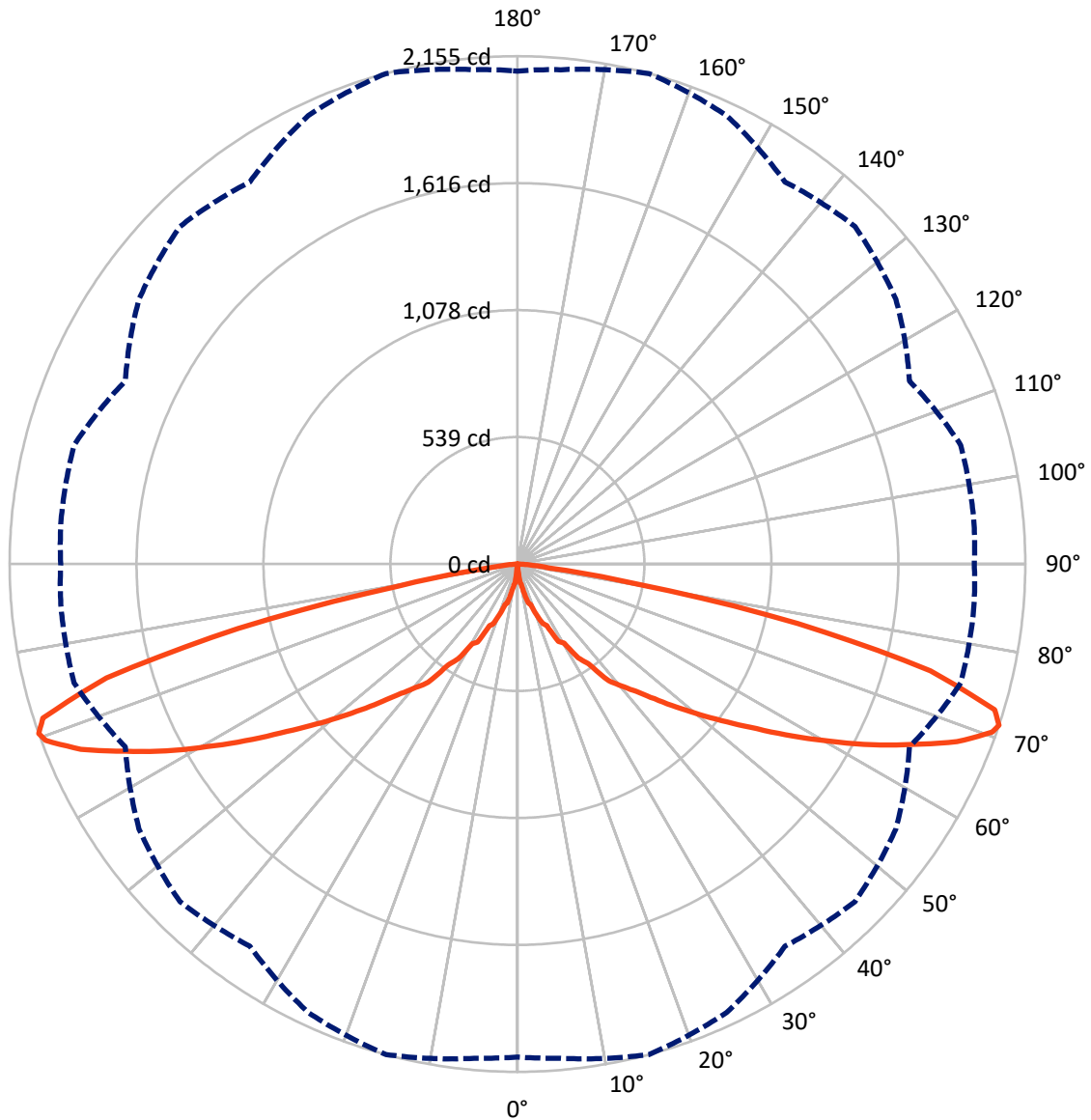
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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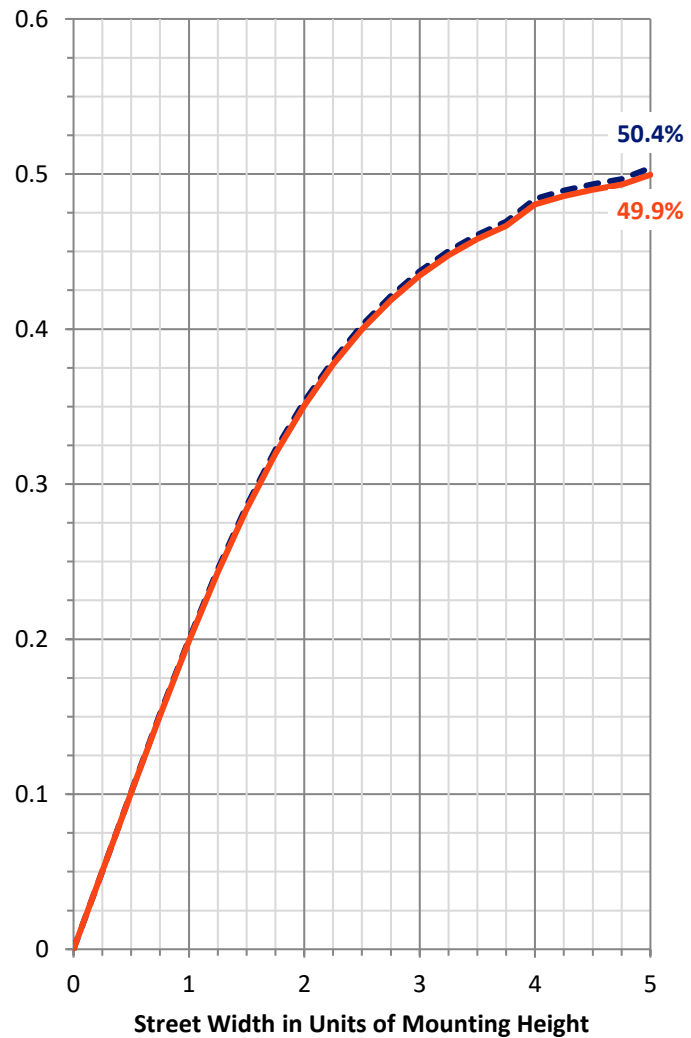
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2920.5	0.0	2920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2920.5	0.0	2920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5841.0	0.0	5841.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	38.7	0.7
20°-30°	146.3	2.5
30°-40°	331.3	5.7
40°-50°	592.1	10.1
50°-60°	1042.0	17.8
60°-70°	1723.8	29.5
70°-80°	1743.2	29.8
80°-90°	220.9	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°	5841.0	100.0
0°-180°	5841.0	100.0



--- HS — SS

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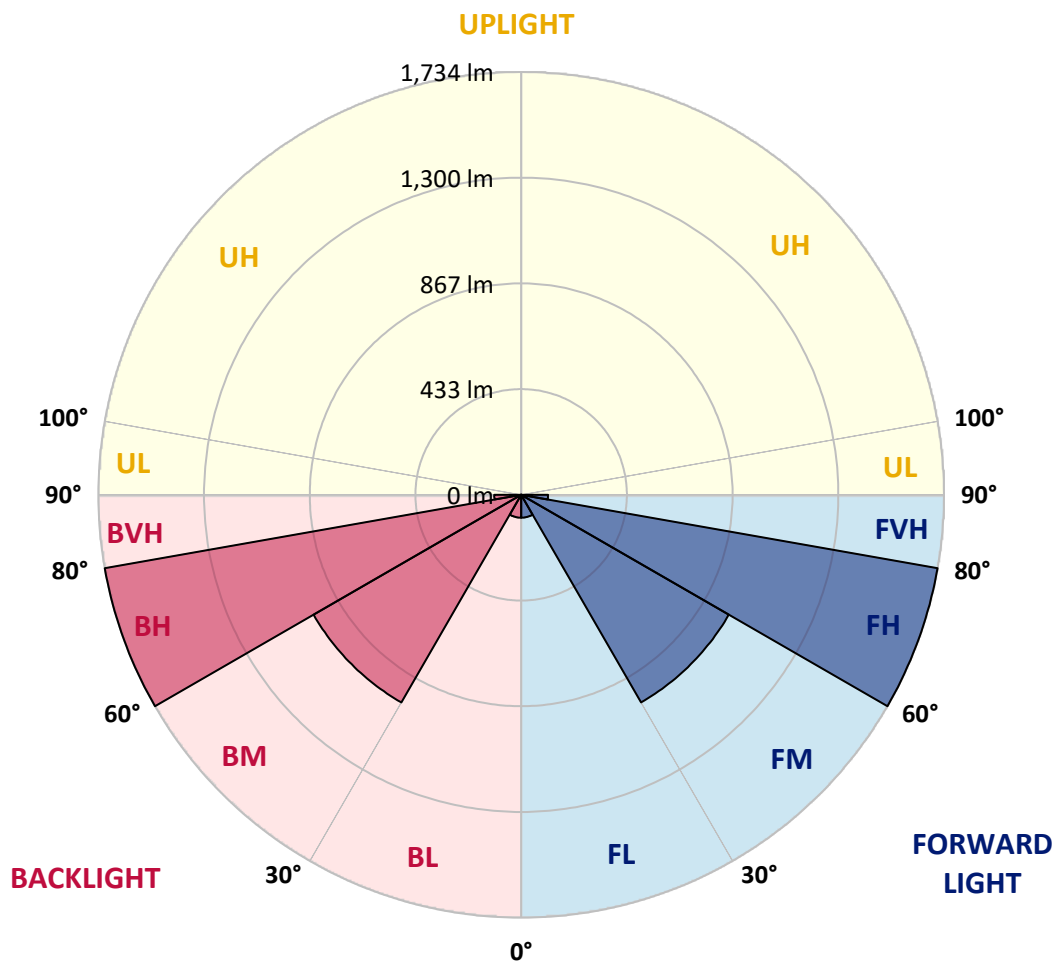
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.8	1.6			
FM (30°-60°)	982.7	16.8			
FH (60°-80°)	1733.5	29.7			G1/1800
FVH (80°-90°)	110.4	1.9			G2/225
BL (0°-30°)	93.8	1.6	B0/110		
BM (30°-60°)	982.7	16.8	B1/1000		
BH (60°-80°)	1733.5	29.7	B3/2500		G1/1800
BVH (80°-90°)	110.4	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
5°	36.0	25.8	12.6	10.2	7.2	2.4	1.2	1.2	1.2	0.6	0.6
7.5°	80.9	80.3	79.2	69.0	48.6	36.0	7.8	1.8	1.2	1.2	1.2
10°	89.9	89.3	88.7	86.9	84.5	76.8	40.2	7.8	3.0	3.6	3.6
12.5°	129.5	128.9	123.5	95.9	87.5	85.7	72.6	37.2	31.8	60.0	63.6
15°	176.9	176.3	170.3	146.3	125.3	92.3	119.9	133.1	118.7	131.3	131.3
17.5°	187.7	185.9	179.9	173.9	165.5	160.7	176.9	170.3	131.9	140.9	140.9
20°	252.4	239.8	227.9	193.7	179.3	235.1	190.7	185.9	208.7	246.4	253.0
22.5°	280.0	279.4	273.4	257.8	254.8	246.4	237.5	270.4	275.8	280.6	282.4
25°	329.8	326.2	289.0	276.4	316.6	269.8	320.2	292.6	302.2	346.6	351.4
27.5°	380.8	379.6	371.8	331.6	331.6	358.6	337.0	353.8	402.9	420.3	426.9
30°	425.7	402.9	388.6	395.2	367.6	384.4	385.6	414.3	426.3	448.5	454.5
32.5°	500.1	498.3	474.9	430.5	431.7	407.1	440.7	438.3	536.1	586.4	599.6
35°	554.7	558.8	519.3	501.9	461.1	485.1	471.3	533.1	564.8	622.4	630.8
37.5°	662.0	661.4	629.0	542.7	513.3	512.7	537.9	560.6	608.6	661.4	666.8
40°	708.2	707.0	680.0	629.0	553.5	558.8	573.2	594.2	647.6	707.6	710.6
42.5°	772.3	766.3	738.7	671.0	630.2	619.4	623.0	648.8	699.8	771.1	768.1
45°	837.1	838.9	814.9	737.5	697.4	675.2	681.8	715.9	772.9	843.7	843.1
47.5°	915.6	918.0	906.6	810.1	774.7	744.1	756.7	790.9	853.3	922.2	921.0
50°	1012.8	1012.2	1004.4	898.8	862.3	832.3	841.9	870.7	936.6	1005.0	1012.2
52.5°	1111.7	1114.1	1112.9	1006.2	966.0	937.2	946.2	973.2	1037.3	1105.7	1111.7
55°	1223.2	1234.6	1233.4	1144.7	1081.7	1073.9	1079.3	1085.3	1156.1	1222.6	1223.8
57.5°	1361.1	1366.5	1377.3	1301.2	1230.4	1226.2	1216.0	1213.6	1283.2	1338.4	1330.0
60°	1504.5	1509.8	1527.2	1478.1	1400.1	1408.5	1374.9	1338.4	1404.9	1449.3	1444.5
62.5°	1641.8	1654.4	1688.5	1649.0	1577.0	1602.8	1538.6	1476.9	1538.6	1575.2	1568.0
65°	1789.3	1804.9	1845.0	1829.4	1726.9	1781.5	1713.1	1610.0	1693.9	1711.9	1713.1
67.5°	1951.8	1964.4	2012.3	1984.1	1857.0	1915.8	1859.4	1740.7	1833.0	1826.4	1819.9
70°	2077.1	2092.7	2137.1	2078.3	1951.8	2000.9	1945.2	1823.5	1930.8	1934.4	1929.0
71°	2092.1	2105.3	2155.0	2099.9	1979.4	2025.5	1960.2	1836.0	1947.6	1945.2	1938.6
72.5°	2042.3	2058.5	2117.3	2081.9	2000.9	2056.1	1959.6	1815.7	1923.6	1901.4	1892.4
75°	1729.9	1738.3	1810.3	1875.0	1923.0	2042.9	1850.4	1655.6	1727.5	1693.3	1689.1
77.5°	1051.1	1072.7	1216.6	1415.1	1646.6	1839.0	1610.0	1339.0	1310.8	1209.4	1169.9
80°	362.8	400.5	514.5	723.7	1107.5	1421.1	1135.1	818.5	612.2	461.1	426.3
82.5°	60.6	88.1	133.7	226.7	497.7	807.7	560.6	270.4	175.7	122.9	118.7
85°	20.4	24.0	51.0	63.0	116.3	222.5	130.7	75.0	64.8	41.4	38.4
87.5°	3.0	4.2	6.6	7.2	10.2	6.0	10.8	11.4	9.0	6.0	3.6
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)