

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: P415649

Luminaire Tested: **LXF.LXT-PA1-50-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415649
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-PA1-50-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5056 lumens
Efficiency: N/A
Efficacy: 93.6 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 - G1

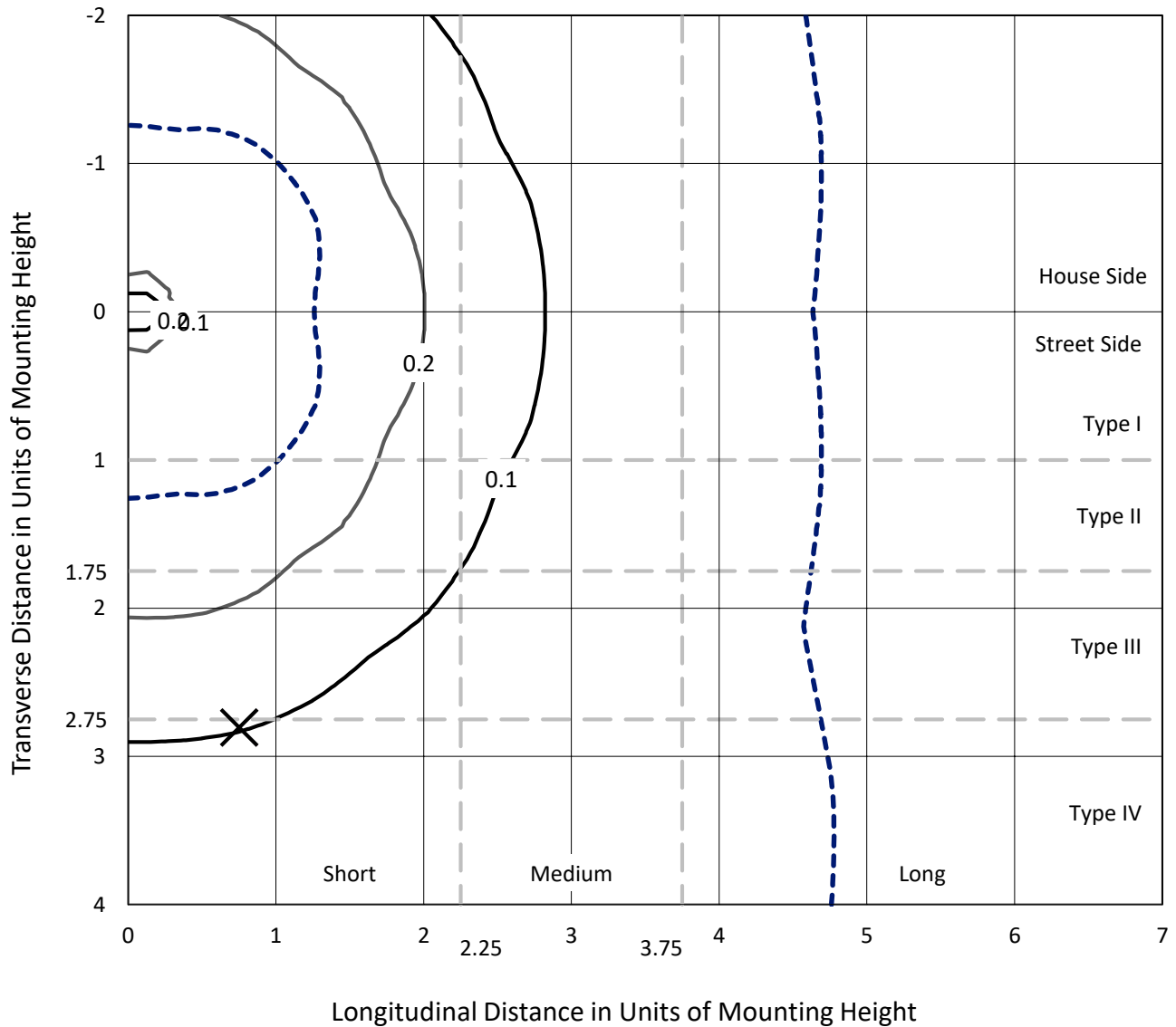
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

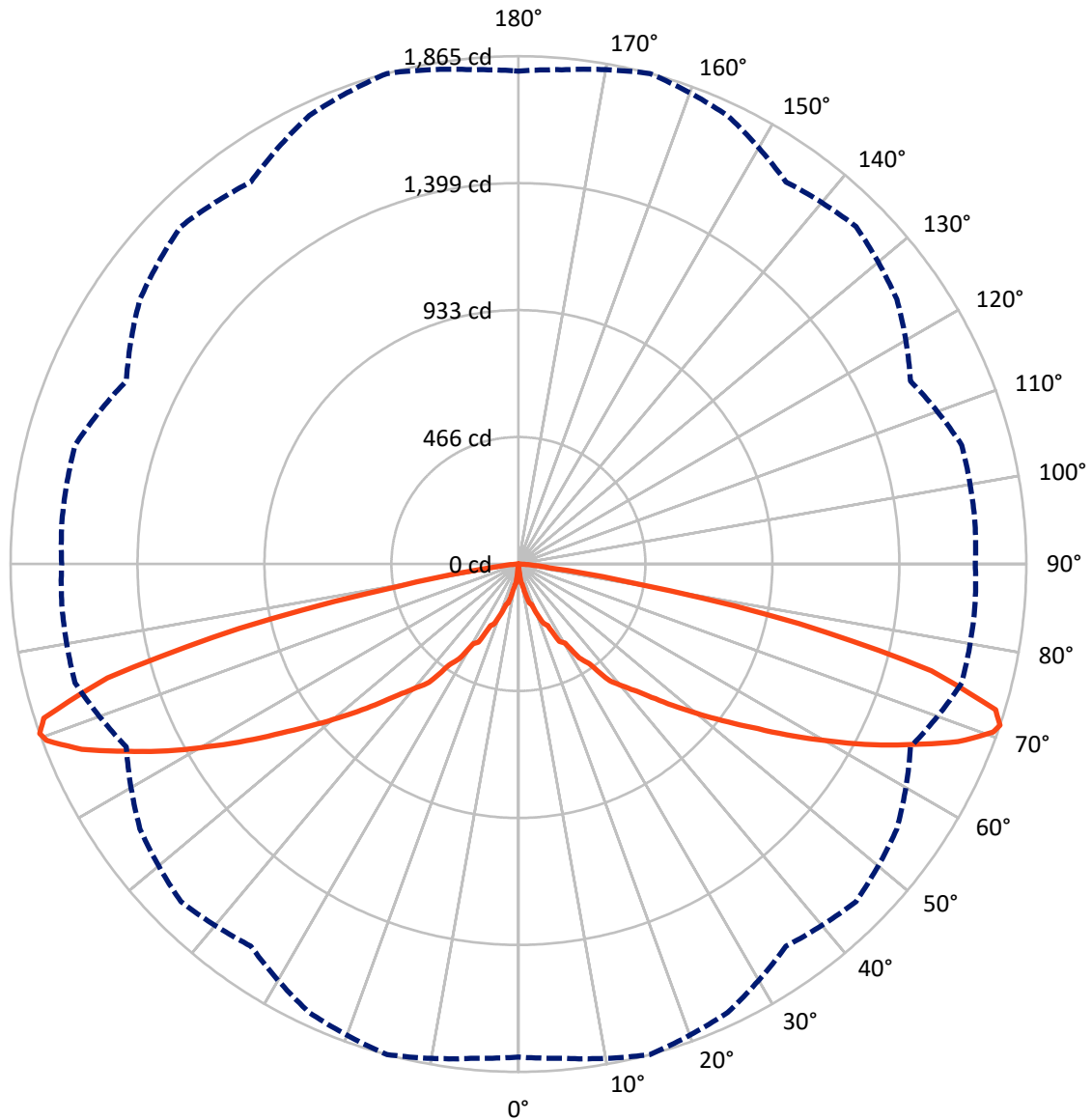
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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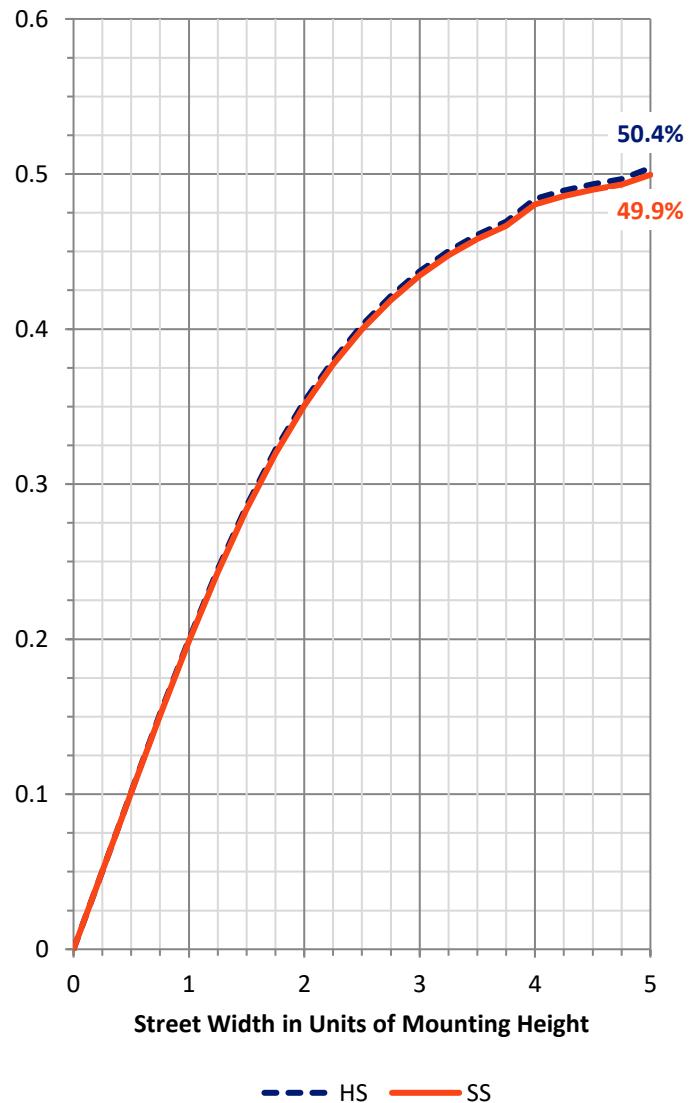
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2528.0	0.0	2528.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2528.0	0.0	2528.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5056.0	0.0	5056.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.0
10°-20°	33.5	0.7
20°-30°	126.6	2.5
30°-40°	286.8	5.7
40°-50°	512.5	10.1
50°-60°	902.0	17.8
60°-70°	1492.1	29.5
70°-80°	1509.0	29.8
80°-90°	191.2	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°	5056.0	100.0
0°-180°	5056.0	100.0



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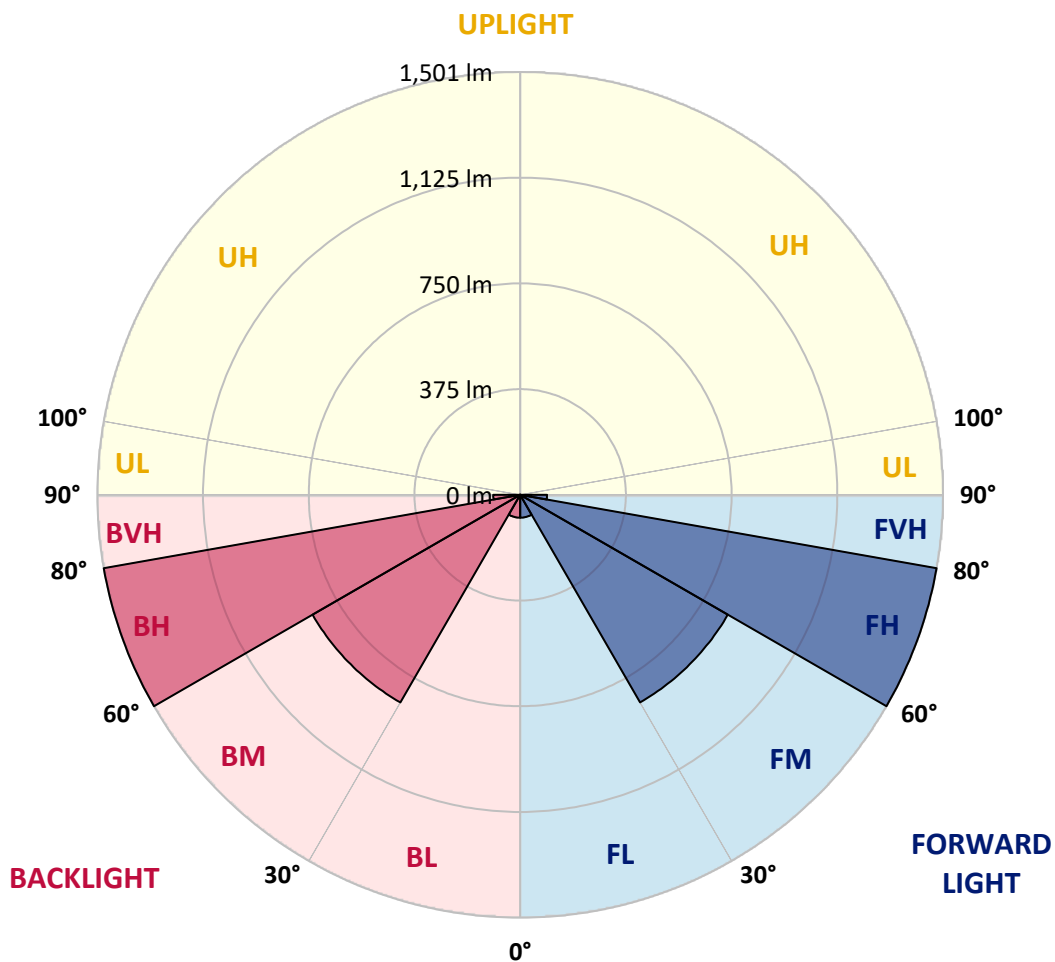
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.2	1.6			
FM	(30°-60°)	850.7	16.8			
FH	(60°-80°)	1500.5	29.7			G1/1800
FVH	(80°-90°)	95.6	1.9			G1/100
BL	(0°-30°)	81.2	1.6	B0/110		
BM	(30°-60°)	850.7	16.8	B1/1000		
BH	(60°-80°)	1500.5	29.7	B3/2500		G1/1800
BVH	(80°-90°)	95.6	1.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.6	1.6	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
5°	31.1	22.3	10.9	8.8	6.2	2.1	1.0	1.0	1.0	0.5	0.5
7.5°	70.1	69.6	68.5	59.7	42.0	31.1	6.7	1.6	1.0	1.0	1.0
10°	77.9	77.3	76.8	75.3	73.2	66.4	34.8	6.7	2.6	3.1	3.1
12.5°	112.1	111.6	106.9	83.0	75.8	74.2	62.8	32.2	27.5	51.9	55.0
15°	153.1	152.6	147.4	126.6	108.5	79.9	103.8	115.2	102.8	113.7	113.7
17.5°	162.5	160.9	155.7	150.5	143.3	139.1	153.1	147.4	114.2	122.0	122.0
20°	218.5	207.6	197.2	167.6	155.2	203.5	165.1	160.9	180.6	213.3	219.0
22.5°	242.4	241.9	236.7	223.2	220.6	213.3	205.5	234.1	238.8	242.9	244.5
25°	285.5	282.4	250.2	239.3	274.1	233.6	277.2	253.3	261.6	300.0	304.2
27.5°	329.6	328.5	321.8	287.0	287.0	310.4	291.7	306.2	348.8	363.8	369.6
30°	368.5	348.8	336.3	342.0	318.2	332.7	333.7	358.7	369.0	388.2	393.4
32.5°	432.9	431.3	411.1	372.7	373.7	352.4	381.5	379.4	464.0	507.6	519.0
35°	480.1	483.7	449.5	434.4	399.1	419.9	408.0	461.4	488.9	538.8	546.0
37.5°	573.0	572.5	544.5	469.7	444.3	443.8	465.6	485.3	526.8	572.5	577.2
40°	613.0	611.9	588.6	544.5	479.1	483.7	496.2	514.4	560.6	612.5	615.1
42.5°	668.5	663.3	639.5	580.8	545.5	536.2	539.3	561.6	605.7	667.5	664.9
45°	724.6	726.1	705.4	638.4	603.6	584.4	590.1	619.7	669.0	730.3	729.8
47.5°	792.6	794.6	784.8	701.2	670.6	644.1	655.0	684.6	738.6	798.3	797.2
50°	876.7	876.1	869.4	778.0	746.4	720.4	728.7	753.6	810.7	869.9	876.1
52.5°	962.3	964.4	963.3	870.9	836.2	811.3	819.0	842.4	897.9	957.1	962.3
55°	1058.8	1068.7	1067.7	990.8	936.3	929.6	934.3	939.5	1000.7	1058.3	1059.4
57.5°	1178.2	1182.9	1192.2	1126.3	1065.1	1061.4	1052.6	1050.5	1110.7	1158.5	1151.2
60°	1302.3	1306.9	1322.0	1279.4	1211.9	1219.2	1190.1	1158.5	1216.1	1254.5	1250.4
62.5°	1421.1	1432.0	1461.6	1427.3	1365.1	1387.4	1331.8	1278.4	1331.8	1363.5	1357.3
65°	1548.8	1562.3	1597.1	1583.6	1494.8	1542.1	1482.9	1393.6	1466.3	1481.8	1482.9
67.5°	1689.5	1700.4	1741.9	1717.5	1607.5	1658.3	1609.5	1506.8	1586.7	1581.0	1575.3
70°	1797.9	1811.4	1849.8	1799.0	1689.5	1732.0	1683.8	1578.4	1671.3	1674.4	1669.7
71°	1810.9	1822.3	1865.4	1817.7	1713.3	1753.3	1696.7	1589.3	1685.8	1683.8	1678.0
72.5°	1767.8	1781.9	1832.7	1802.1	1732.0	1779.8	1696.2	1571.6	1665.1	1645.9	1638.1
75°	1497.4	1504.7	1567.0	1623.0	1664.5	1768.4	1601.7	1433.1	1495.3	1465.8	1462.1
77.5°	909.9	928.6	1053.1	1224.9	1425.3	1591.9	1393.6	1159.0	1134.6	1046.9	1012.6
80°	314.0	346.7	445.3	626.5	958.7	1230.1	982.5	708.5	529.9	399.1	369.0
82.5°	52.4	76.3	115.7	196.2	430.8	699.1	485.3	234.1	152.1	106.4	102.8
85°	17.6	20.8	44.1	54.5	100.7	192.6	113.1	64.9	56.1	35.8	33.2
87.5°	2.6	3.6	5.7	6.2	8.8	5.2	9.3	9.9	7.8	5.2	3.1
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)