

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: P415701

Luminaire Tested: **LXF.LXT-PA1-50-830-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415701
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-PA1-50-830-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5465 lumens
Efficiency: N/A
Efficacy: 101.2 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

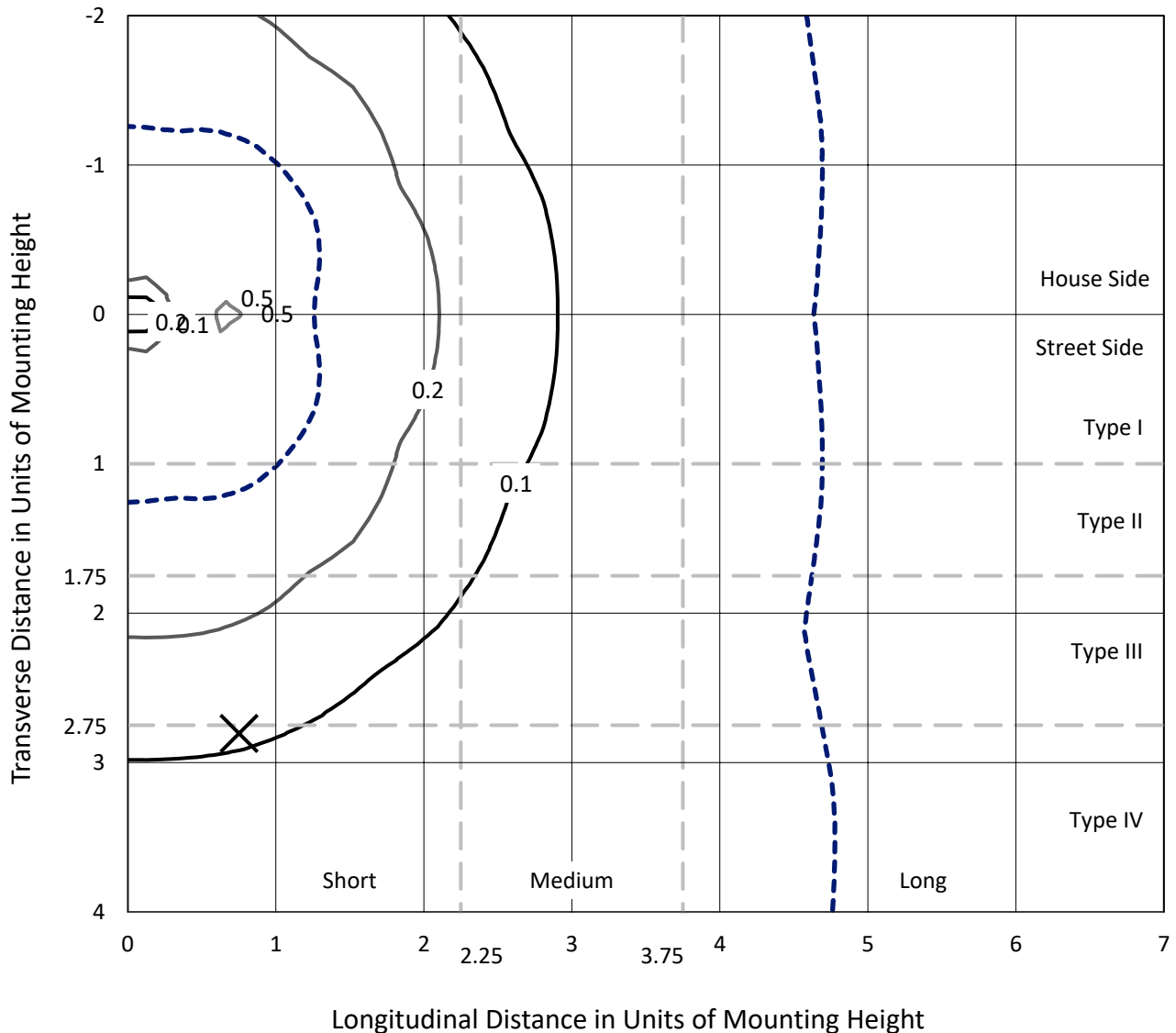
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415701
 CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

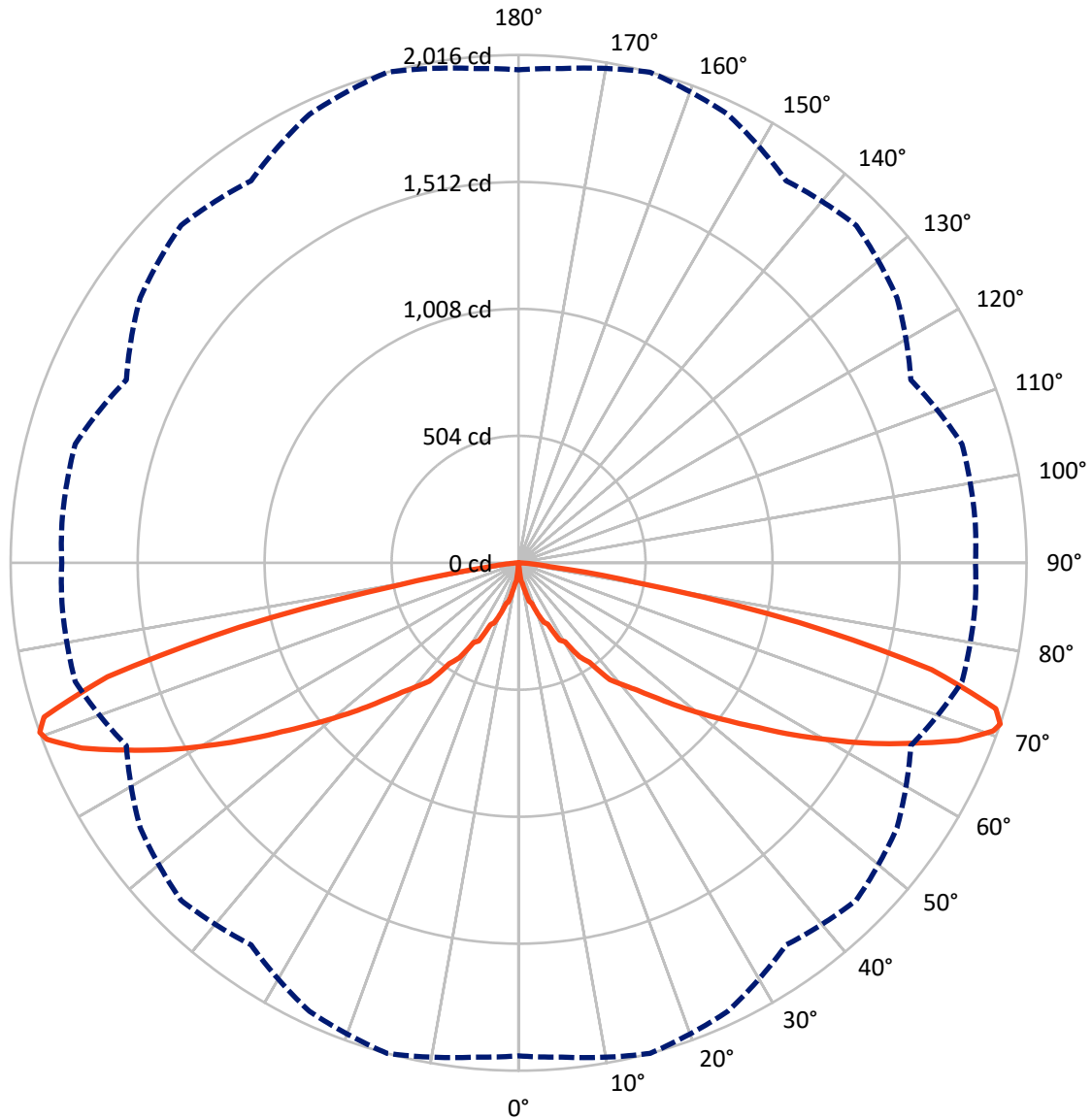
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415701
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-5WQ

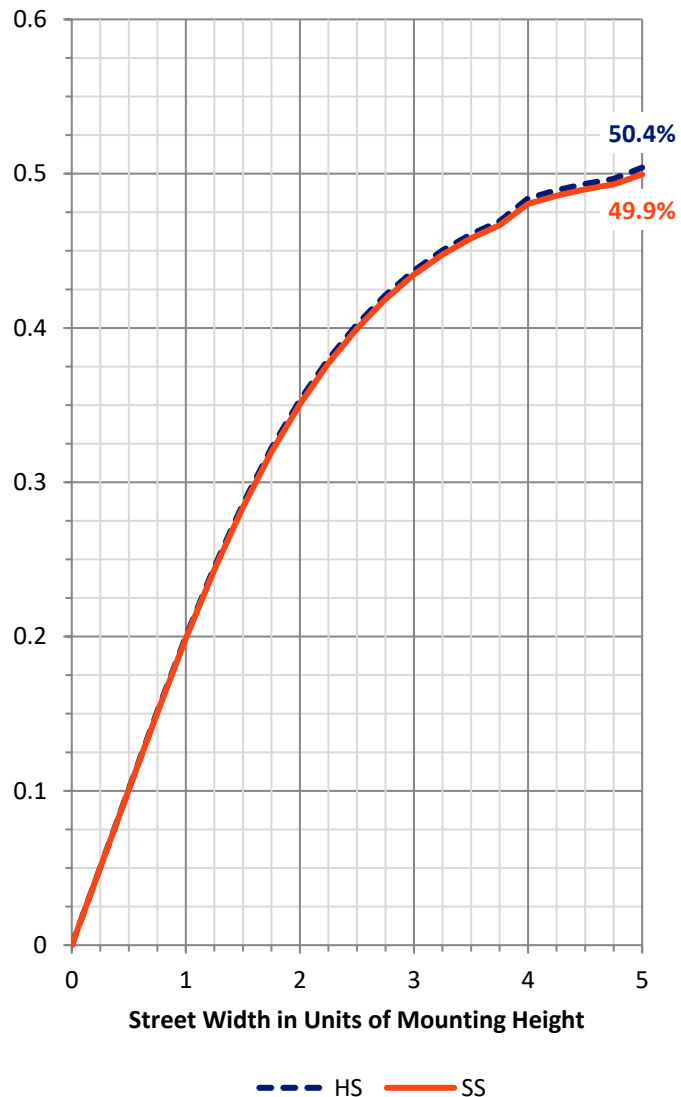
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2732.5	0.0	2732.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2732.5	0.0	2732.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5465.0	0.0	5465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.0
10°-20°	36.2	0.7
20°-30°	136.9	2.5
30°-40°	310.0	5.7
40°-50°	554.0	10.1
50°-60°	975.0	17.8
60°-70°	1612.8	29.5
70°-80°	1631.0	29.8
80°-90°	206.6	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°	5465.0	100.0
0°-180°	5465.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415701

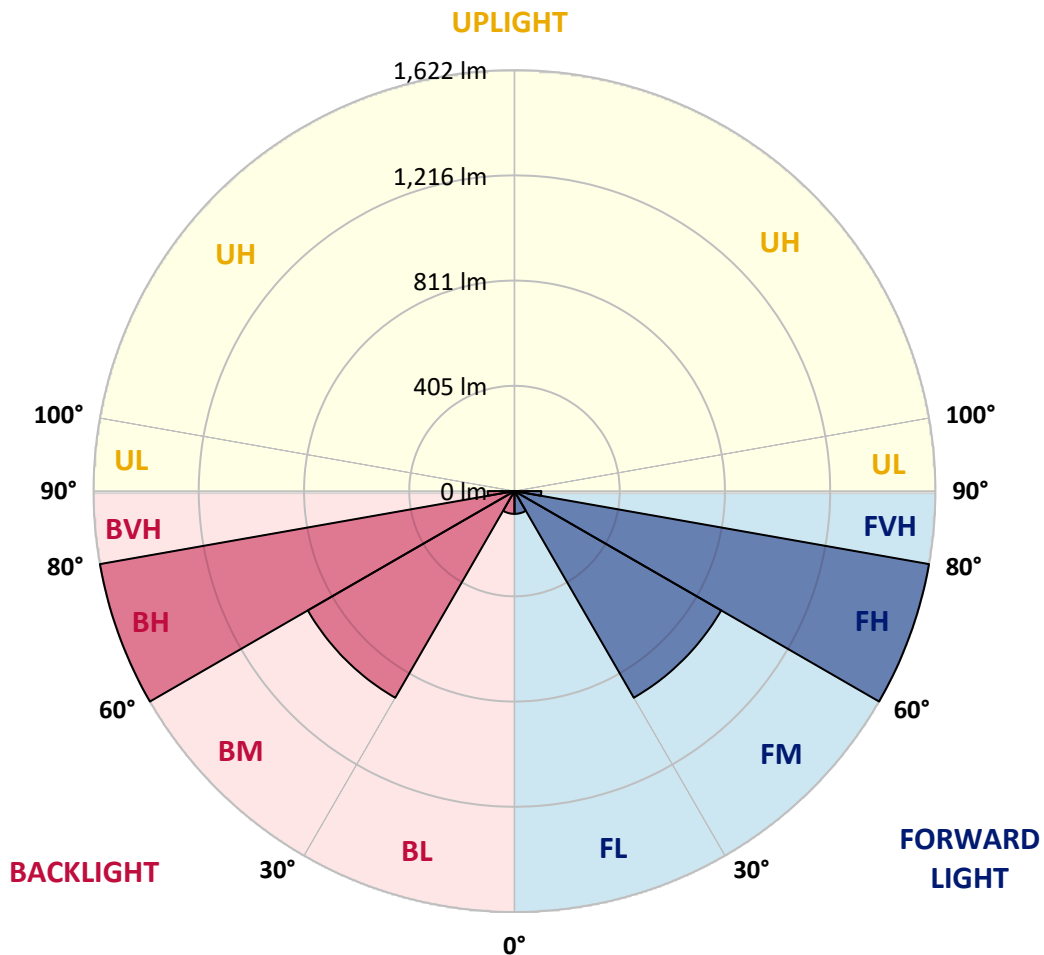
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.8	1.6			
FM (30°-60°)	919.5	16.8			
FH (60°-80°)	1621.9	29.7			G1/1800
FVH (80°-90°)	103.3	1.9			G2/225
BL (0°-30°)	87.8	1.6	B0/110		
BM (30°-60°)	919.5	16.8	B1/1000		
BH (60°-80°)	1621.9	29.7	B3/2500		G1/1800
BVH (80°-90°)	103.3	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°	1.7	1.7	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6
5°	33.7	24.1	11.8	9.5	6.7	2.2	1.1	1.1	1.1	0.6	0.6
7.5°	75.7	75.2	74.1	64.5	45.4	33.7	7.3	1.7	1.1	1.1	1.1
10°	84.2	83.6	83.0	81.3	79.1	71.8	37.6	7.3	2.8	3.4	3.4
12.5°	121.2	120.6	115.6	89.8	81.9	80.2	67.9	34.8	29.7	56.1	59.5
15°	165.5	164.9	159.3	136.9	117.3	86.4	112.2	124.5	111.1	122.9	122.9
17.5°	175.6	173.9	168.3	162.7	154.8	150.4	165.5	159.3	123.4	131.8	131.8
20°	236.2	224.4	213.2	181.2	167.7	219.9	178.4	173.9	195.2	230.6	236.8
22.5°	262.0	261.4	255.8	241.2	238.4	230.6	222.2	253.0	258.1	262.6	264.2
25°	308.6	305.2	270.4	258.6	296.2	252.5	299.6	273.8	282.8	324.3	328.8
27.5°	356.2	355.1	347.8	310.2	310.2	335.5	315.3	331.0	377.0	393.3	399.4
30°	398.3	377.0	363.5	369.7	343.9	359.6	360.7	387.7	398.9	419.6	425.3
32.5°	467.9	466.2	444.3	402.8	403.9	380.9	412.4	410.1	501.6	548.7	561.0
35°	518.9	522.9	485.8	469.6	431.4	453.9	441.0	498.7	528.5	582.3	590.2
37.5°	619.4	618.8	588.5	507.7	480.2	479.7	503.2	524.6	569.4	618.8	623.9
40°	662.6	661.4	636.2	588.5	517.8	522.9	536.3	556.0	605.9	662.0	664.8
42.5°	722.6	717.0	691.2	627.8	589.6	579.5	582.9	607.0	654.7	721.5	718.7
45°	783.2	784.9	762.4	690.1	652.5	631.7	637.9	669.9	723.2	789.4	788.8
47.5°	856.7	858.9	848.3	757.9	724.8	696.2	708.0	740.0	798.3	862.9	861.7
50°	947.6	947.0	939.7	841.0	806.8	778.7	787.7	814.6	876.3	940.3	947.0
52.5°	1040.1	1042.4	1041.3	941.4	903.8	876.9	885.3	910.5	970.6	1034.5	1040.1
55°	1144.5	1155.1	1154.0	1071.0	1012.1	1004.8	1009.8	1015.5	1081.7	1143.9	1145.0
57.5°	1273.5	1278.6	1288.7	1217.4	1151.2	1147.3	1137.8	1135.5	1200.6	1252.2	1244.3
60°	1407.6	1412.7	1428.9	1382.9	1310.0	1317.8	1286.4	1252.2	1314.5	1356.0	1351.5
62.5°	1536.1	1547.9	1579.8	1542.8	1475.5	1499.6	1439.6	1381.8	1439.6	1473.8	1467.1
65°	1674.1	1688.7	1726.3	1711.7	1615.7	1666.8	1602.8	1506.3	1584.9	1601.7	1602.8
67.5°	1826.1	1837.9	1882.8	1856.4	1737.5	1792.5	1739.7	1628.6	1715.0	1708.9	1702.7
70°	1943.4	1958.0	1999.5	1944.5	1826.1	1872.1	1820.0	1706.1	1806.5	1809.9	1804.8
71°	1957.4	1969.8	2016.3	1964.7	1851.9	1895.1	1834.0	1717.9	1822.2	1820.0	1813.8
72.5°	1910.8	1926.0	1981.0	1947.9	1872.1	1923.7	1833.4	1698.8	1799.8	1779.0	1770.6
75°	1618.6	1626.4	1693.7	1754.3	1799.2	1911.4	1731.3	1549.0	1616.3	1584.3	1580.4
77.5°	983.5	1003.7	1138.3	1324.0	1540.6	1720.7	1506.3	1252.8	1226.4	1131.6	1094.6
80°	339.4	374.8	481.4	677.2	1036.2	1329.6	1062.0	765.8	572.8	431.4	398.9
82.5°	56.7	82.5	125.1	212.1	465.6	755.7	524.6	253.0	164.4	115.0	111.1
85°	19.1	22.4	47.7	58.9	108.8	208.1	122.3	70.1	60.6	38.7	35.9
87.5°	2.8	3.9	6.2	6.7	9.5	5.6	10.1	10.7	8.4	5.6	3.4
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)