

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: P417209

Luminaire Tested: **LXF.LXT-PA1-90-750-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417209
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-PA1-90-750-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10502 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

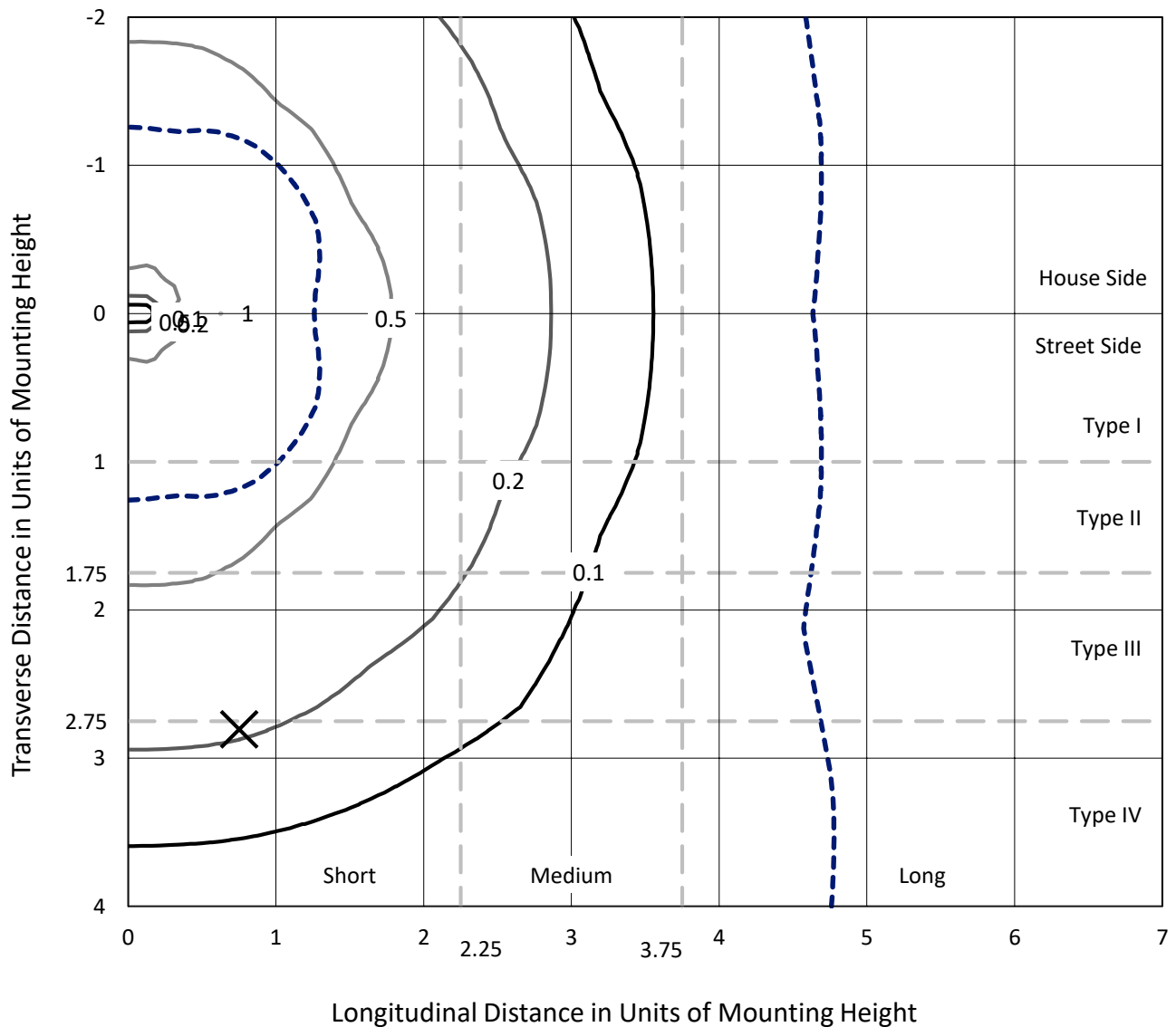
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

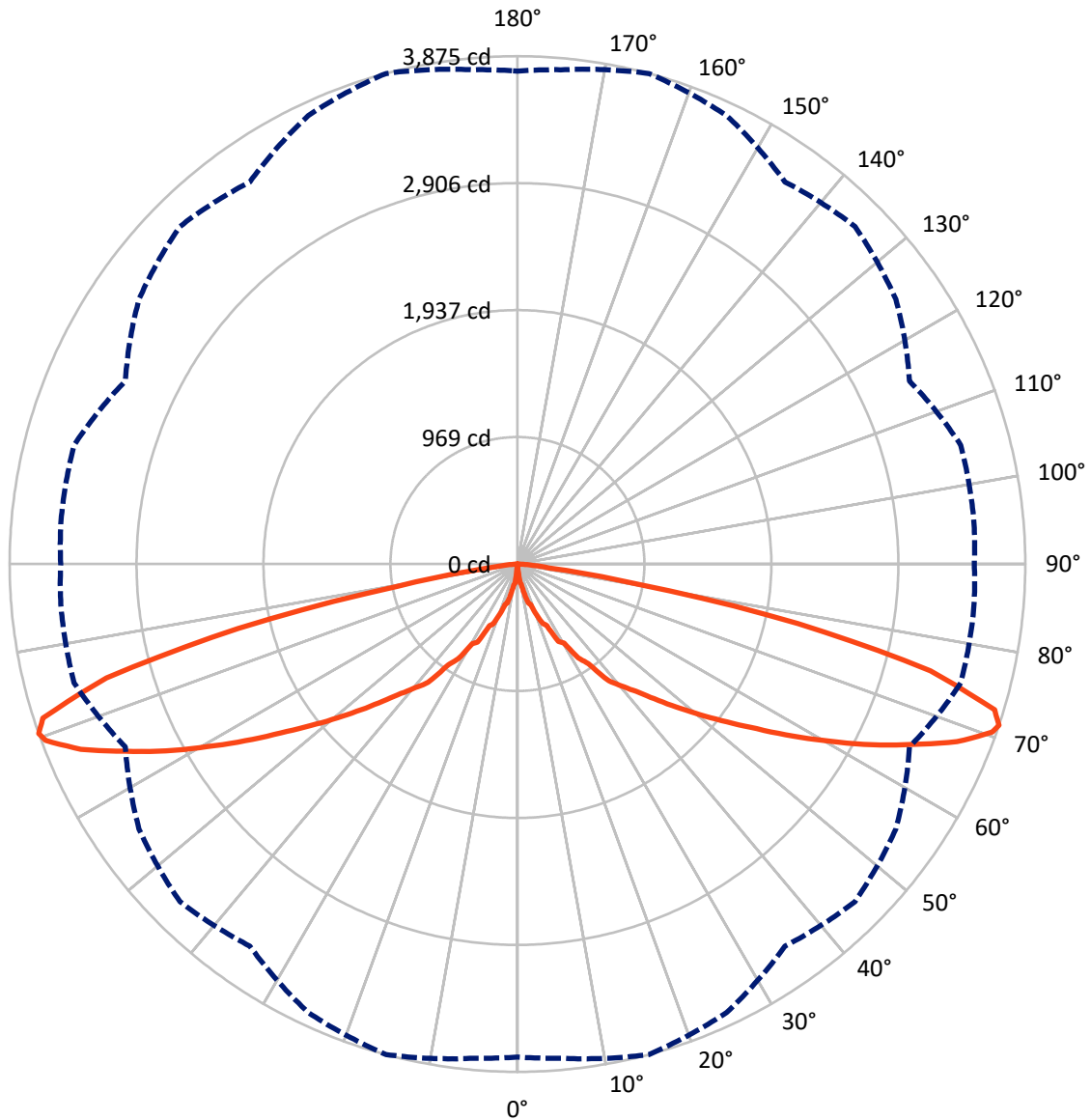
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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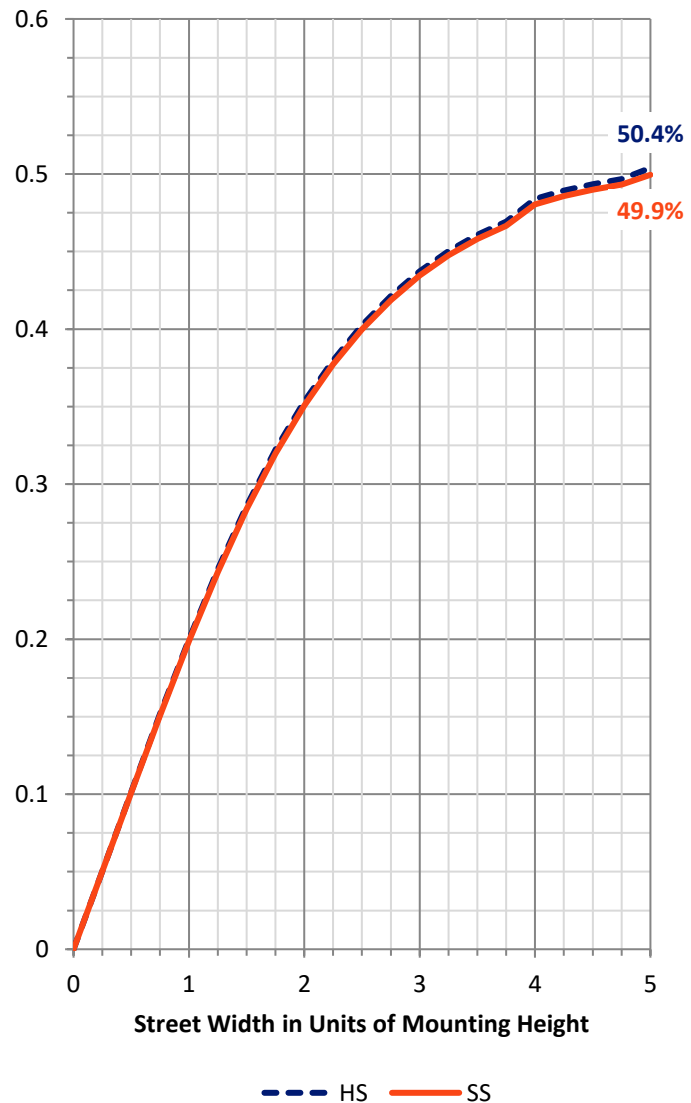
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5251.0	0.0	5251.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5251.0	0.0	5251.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10502.0	0.0	10502.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.0
10°-20°	69.7	0.7
20°-30°	263.1	2.5
30°-40°	595.8	5.7
40°-50°	1064.6	10.1
50°-60°	1873.6	17.8
60°-70°	3099.3	29.5
70°-80°	3134.3	29.8
80°-90°	397.1	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°	10502.0	100.0
0°-180°	10502.0	100.0



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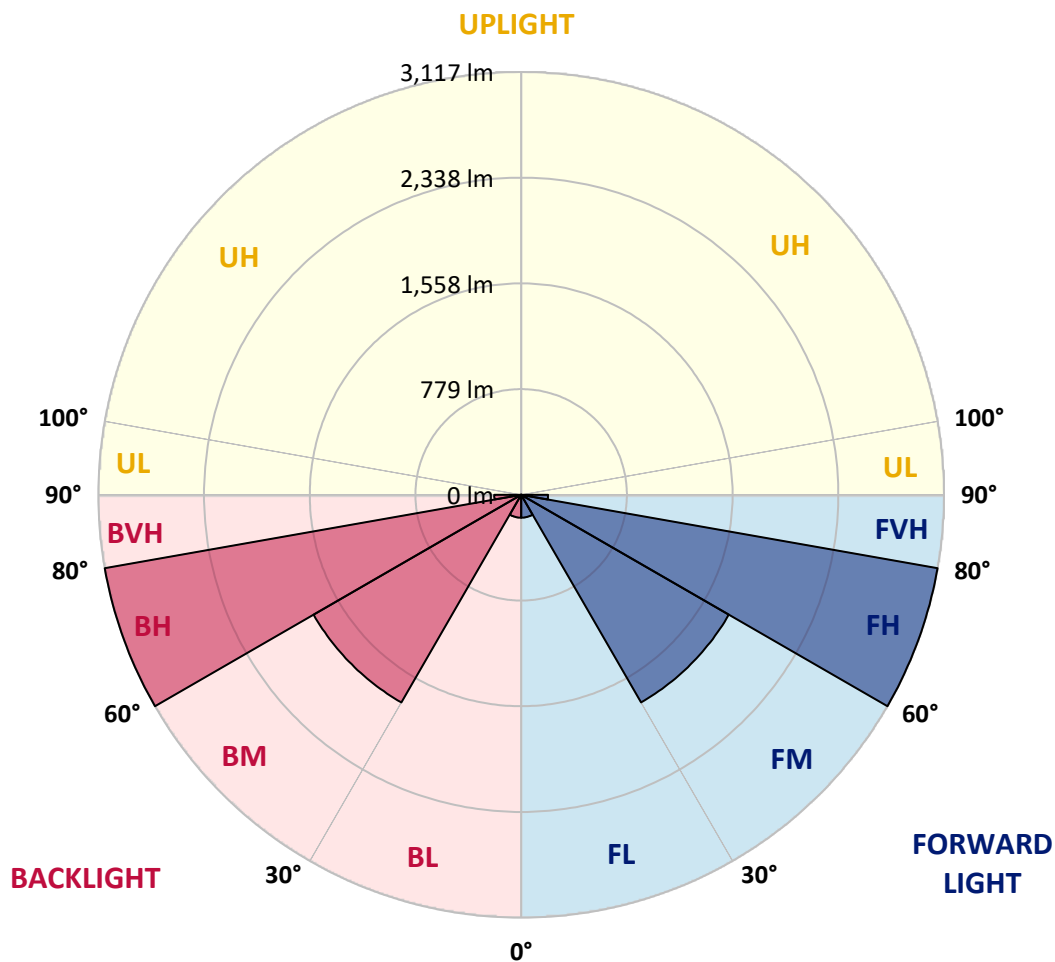
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.7	1.6			
FM	(30°-60°)	1766.9	16.8			
FH	(60°-80°)	3116.8	29.7			G2/5000
FVH	(80°-90°)	198.5	1.9			G2/225
BL	(0°-30°)	168.7	1.6	B1/500		
BM	(30°-60°)	1766.9	16.8	B2/2500		
BH	(60°-80°)	3116.8	29.7	B4/5000		G2/5000
BVH	(80°-90°)	198.5	1.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	3.2	3.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
5°	64.7	46.4	22.6	18.3	12.9	4.3	2.2	2.2	2.2	1.1	1.1
7.5°	145.5	144.5	142.3	124.0	87.3	64.7	14.0	3.2	2.2	2.2	2.2
10°	161.7	160.6	159.6	156.3	152.0	138.0	72.2	14.0	5.4	6.5	6.5
12.5°	232.9	231.8	222.1	172.5	157.4	154.2	130.5	66.8	57.1	107.8	114.3
15°	318.0	317.0	306.2	263.1	225.3	166.0	215.6	239.3	213.5	236.1	236.1
17.5°	337.4	334.2	323.4	312.7	297.6	288.9	318.0	306.2	237.2	253.4	253.4
20°	453.9	431.2	409.7	348.2	322.4	422.6	342.8	334.2	375.2	443.1	455.0
22.5°	503.5	502.4	491.6	463.6	458.2	443.1	426.9	486.2	495.9	504.6	507.8
25°	593.0	586.5	519.6	497.0	569.2	485.1	575.7	526.1	543.4	623.1	631.8
27.5°	684.6	682.4	668.4	596.2	596.2	644.7	605.9	636.1	724.5	755.8	767.6
30°	765.5	724.5	698.6	710.5	660.9	691.1	693.2	745.0	766.5	806.4	817.2
32.5°	899.1	895.9	853.9	774.1	776.2	732.0	792.4	788.1	963.8	1054.4	1078.1
35°	997.3	1004.8	933.6	902.4	829.1	872.2	847.4	958.4	1015.6	1119.1	1134.2
37.5°	1190.2	1189.2	1130.9	975.7	922.9	921.8	967.1	1008.0	1094.3	1189.2	1198.9
40°	1273.2	1271.1	1222.6	1130.9	995.1	1004.8	1030.7	1068.4	1164.4	1272.2	1277.6
42.5°	1388.6	1377.8	1328.2	1206.4	1133.1	1113.7	1120.2	1166.5	1258.2	1386.4	1381.1
45°	1505.0	1508.3	1465.1	1326.1	1253.8	1214.0	1225.8	1287.3	1389.7	1516.9	1515.8
47.5°	1646.3	1650.6	1630.1	1456.5	1392.9	1337.9	1360.6	1422.0	1534.1	1658.1	1656.0
50°	1820.9	1819.8	1805.8	1616.1	1550.3	1496.4	1513.7	1565.4	1684.0	1806.9	1819.8
52.5°	1998.8	2003.1	2001.0	1809.1	1736.8	1685.1	1701.3	1749.8	1865.1	1988.0	1998.8
55°	2199.3	2219.8	2217.7	2058.1	1944.9	1930.9	1940.6	1951.4	2078.6	2198.3	2200.4
57.5°	2447.3	2457.0	2476.4	2339.5	2212.3	2204.7	2186.4	2182.1	2307.2	2406.3	2391.2
60°	2705.0	2714.7	2745.9	2657.5	2517.4	2532.5	2472.1	2406.3	2526.0	2605.8	2597.2
62.5°	2951.9	2974.5	3036.0	2964.8	2835.4	2881.8	2766.4	2655.4	2766.4	2832.2	2819.3
65°	3217.1	3245.1	3317.3	3289.3	3105.0	3203.1	3080.2	2894.7	3045.7	3078.0	3080.2
67.5°	3509.2	3531.9	3618.1	3567.5	3338.9	3444.6	3343.2	3129.7	3295.8	3283.9	3272.1
70°	3734.6	3762.6	3842.4	3736.7	3509.2	3597.6	3497.4	3278.5	3471.5	3478.0	3468.3
71°	3761.5	3785.2	3874.7	3775.5	3558.8	3641.9	3524.3	3301.2	3501.7	3497.4	3485.5
72.5°	3672.0	3701.1	3806.8	3743.2	3597.6	3696.8	3523.3	3264.5	3458.6	3418.7	3402.5
75°	3110.3	3125.4	3254.8	3371.2	3457.5	3673.1	3327.0	2976.7	3106.0	3044.6	3037.0
77.5°	1889.9	1928.7	2187.5	2544.3	2960.5	3306.6	2894.7	2407.4	2356.7	2174.5	2103.4
80°	652.3	720.2	925.0	1301.3	1991.3	2555.1	2040.9	1471.6	1100.7	829.1	766.5
82.5°	108.9	158.5	240.4	407.5	894.8	1452.2	1008.0	486.2	315.9	221.0	213.5
85°	36.7	43.1	91.6	113.2	209.2	400.0	235.0	134.8	116.4	74.4	69.0
87.5°	5.4	7.5	11.9	12.9	18.3	10.8	19.4	20.5	16.2	10.8	6.5
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)