

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: P415857

Luminaire Tested: **LXF.LXT-PA1-60-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415857
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-PA1-60-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7237 lumens
Efficiency: N/A
Efficacy: 113.1 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

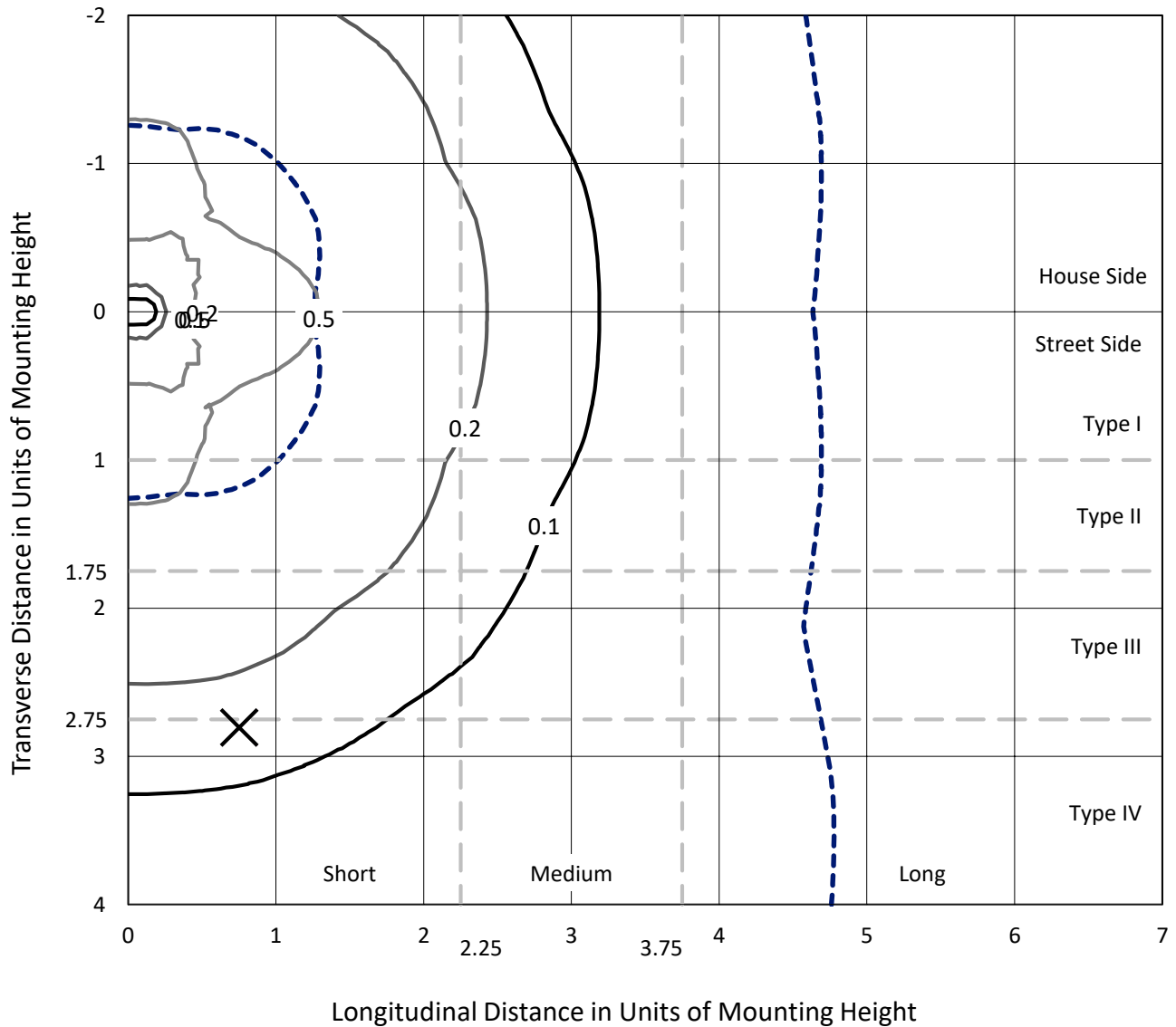
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

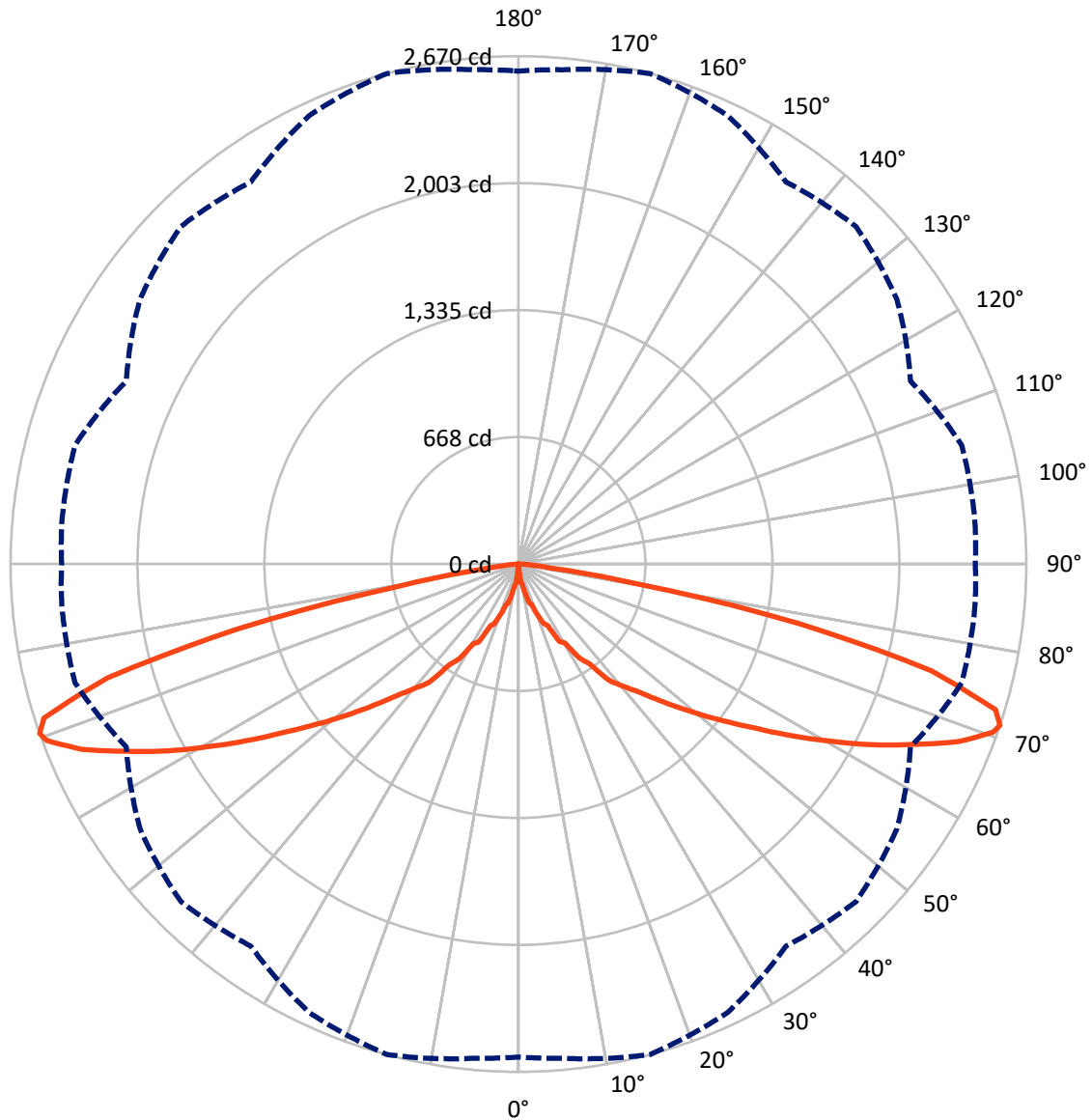
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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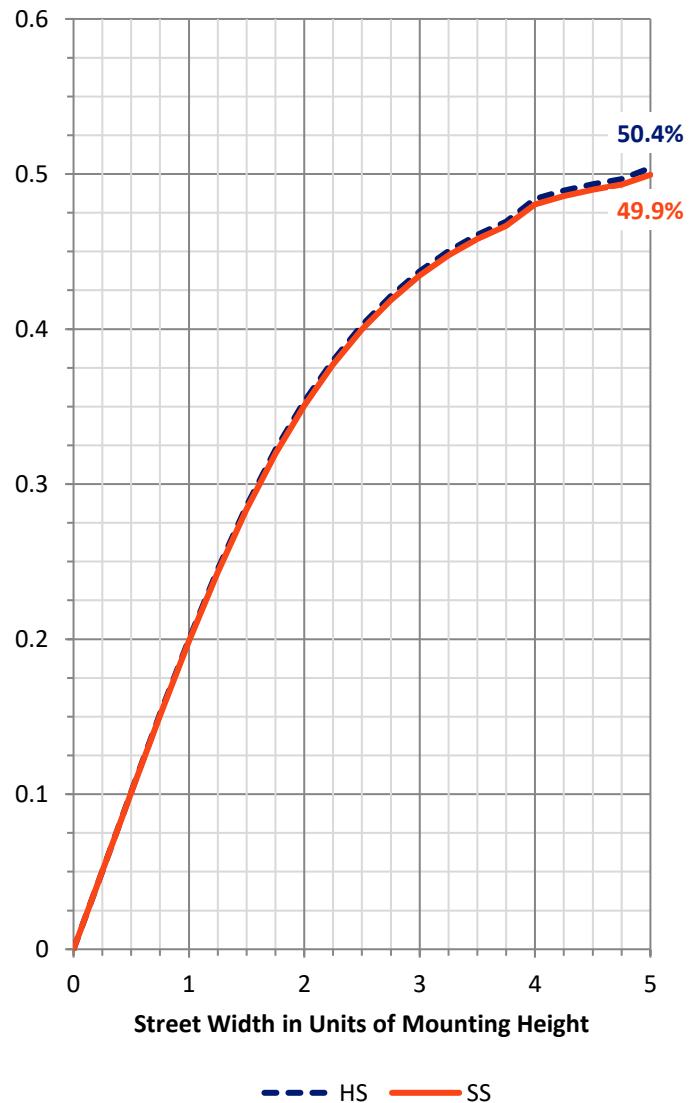
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3618.5	0.0	3618.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3618.5	0.0	3618.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7237.0	0.0	7237.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	48.0	0.7
20°-30°	181.3	2.5
30°-40°	410.5	5.7
40°-50°	733.6	10.1
50°-60°	1291.1	17.8
60°-70°	2135.8	29.5
70°-80°	2159.9	29.8
80°-90°	273.6	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°	7237.0	100.0
0°-180°	7237.0	100.0



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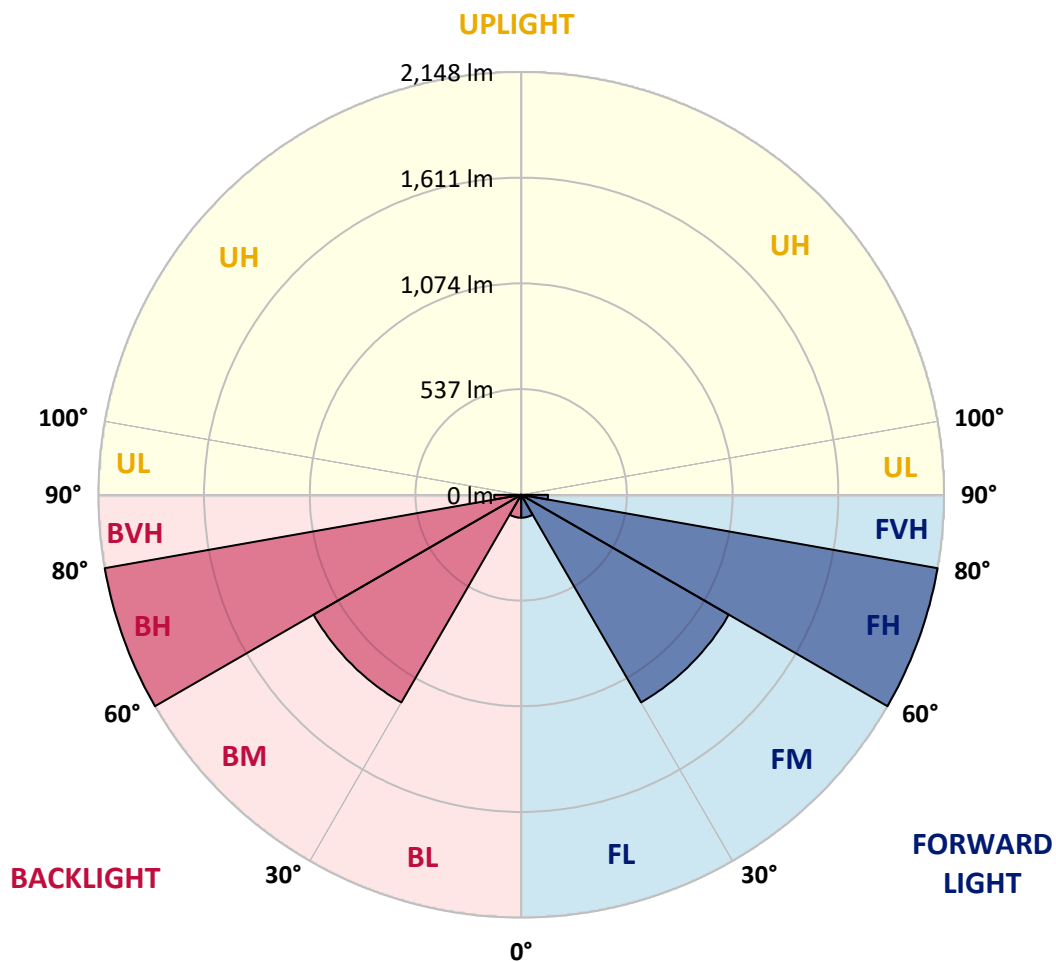
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.2	1.6			
FM	(30°-60°)	1217.6	16.8			
FH	(60°-80°)	2147.8	29.7			G2/5000
FVH	(80°-90°)	136.8	1.9			G2/225
BL	(0°-30°)	116.2	1.6	B1/500		
BM	(30°-60°)	1217.6	16.8	B2/2500		
BH	(60°-80°)	2147.8	29.7	B3/2500		G2/5000
BVH	(80°-90°)	136.8	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.2	2.2	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
5°	44.6	31.9	15.6	12.6	8.9	3.0	1.5	1.5	1.5	0.7	0.7
7.5°	100.3	99.6	98.1	85.4	60.2	44.6	9.7	2.2	1.5	1.5	1.5
10°	111.4	110.7	110.0	107.7	104.8	95.1	49.8	9.7	3.7	4.5	4.5
12.5°	160.5	159.7	153.0	118.9	108.5	106.2	89.9	46.1	39.4	74.3	78.8
15°	219.2	218.4	211.0	181.3	155.3	114.4	148.6	164.9	147.1	162.7	162.7
17.5°	232.5	230.3	222.9	215.5	205.0	199.1	219.2	211.0	163.4	174.6	174.6
20°	312.8	297.2	282.3	240.0	222.1	291.2	236.3	230.3	258.5	305.3	313.5
22.5°	346.9	346.2	338.8	319.5	315.7	305.3	294.2	335.1	341.7	347.7	349.9
25°	408.6	404.2	358.1	342.5	392.3	334.3	396.7	362.6	374.4	429.4	435.4
27.5°	471.8	470.3	460.6	410.8	410.8	444.3	417.5	438.3	499.3	520.8	529.0
30°	527.5	499.3	481.4	489.6	455.4	476.2	477.7	513.4	528.2	555.7	563.1
32.5°	619.6	617.4	588.4	533.4	534.9	504.5	546.1	543.1	664.2	726.6	742.9
35°	687.2	692.4	643.4	621.8	571.3	601.0	583.9	660.5	699.8	771.2	781.6
37.5°	820.2	819.5	779.3	672.4	635.9	635.2	666.4	694.6	754.1	819.5	826.1
40°	877.4	875.9	842.5	779.3	685.7	692.4	710.2	736.2	802.4	876.7	880.4
42.5°	956.9	949.5	915.3	831.3	780.8	767.4	771.9	803.9	867.0	955.4	951.7
45°	1037.1	1039.4	1009.6	913.8	864.0	836.5	844.7	887.1	957.6	1045.3	1044.6
47.5°	1134.5	1137.4	1123.3	1003.7	959.9	922.0	937.6	979.9	1057.2	1142.6	1141.1
50°	1254.8	1254.1	1244.4	1113.7	1068.3	1031.2	1043.1	1078.7	1160.5	1245.2	1254.1
52.5°	1377.4	1380.4	1378.9	1246.6	1196.9	1161.2	1172.3	1205.8	1285.3	1370.0	1377.4
55°	1515.6	1529.7	1528.2	1418.3	1340.2	1330.6	1337.3	1344.7	1432.4	1514.8	1516.3
57.5°	1686.5	1693.1	1706.5	1612.2	1524.5	1519.3	1506.7	1503.7	1589.9	1658.2	1647.8
60°	1864.0	1870.7	1892.2	1831.3	1734.7	1745.1	1703.5	1658.2	1740.7	1795.7	1789.7
62.5°	2034.1	2049.7	2092.1	2043.1	1953.9	1985.9	1906.4	1829.8	1906.4	1951.7	1942.8
65°	2216.9	2236.2	2286.0	2266.7	2139.6	2207.3	2122.6	1994.8	2098.8	2121.1	2122.6
67.5°	2418.2	2433.8	2493.3	2458.4	2300.9	2373.7	2303.8	2156.7	2271.1	2263.0	2254.8
70°	2573.5	2592.8	2647.8	2575.0	2418.2	2479.2	2410.1	2259.3	2392.2	2396.7	2390.0
71°	2592.1	2608.4	2670.1	2601.7	2452.4	2509.6	2428.6	2274.9	2413.0	2410.1	2401.9
72.5°	2530.4	2550.5	2623.3	2579.5	2479.2	2547.5	2427.9	2249.6	2383.3	2355.8	2344.7
75°	2143.4	2153.8	2242.9	2323.1	2382.6	2531.2	2292.7	2051.2	2140.4	2098.0	2092.8
77.5°	1302.4	1329.1	1507.4	1753.3	2040.1	2278.6	1994.8	1659.0	1624.0	1498.5	1449.5
80°	449.5	496.3	637.4	896.7	1372.2	1760.7	1406.4	1014.1	758.5	571.3	528.2
82.5°	75.0	109.2	165.7	280.8	616.6	1000.7	694.6	335.1	217.7	152.3	147.1
85°	25.3	29.7	63.1	78.0	144.1	275.6	162.0	92.9	80.2	51.3	47.5
87.5°	3.7	5.2	8.2	8.9	12.6	7.4	13.4	14.1	11.1	7.4	4.5
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)