

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: P415909

Luminaire Tested: **LXF.LXT-PA1-60-740-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415909
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-PA1-60-740-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 7946 lumens
Efficiency: N/A
Efficacy: 124.2 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

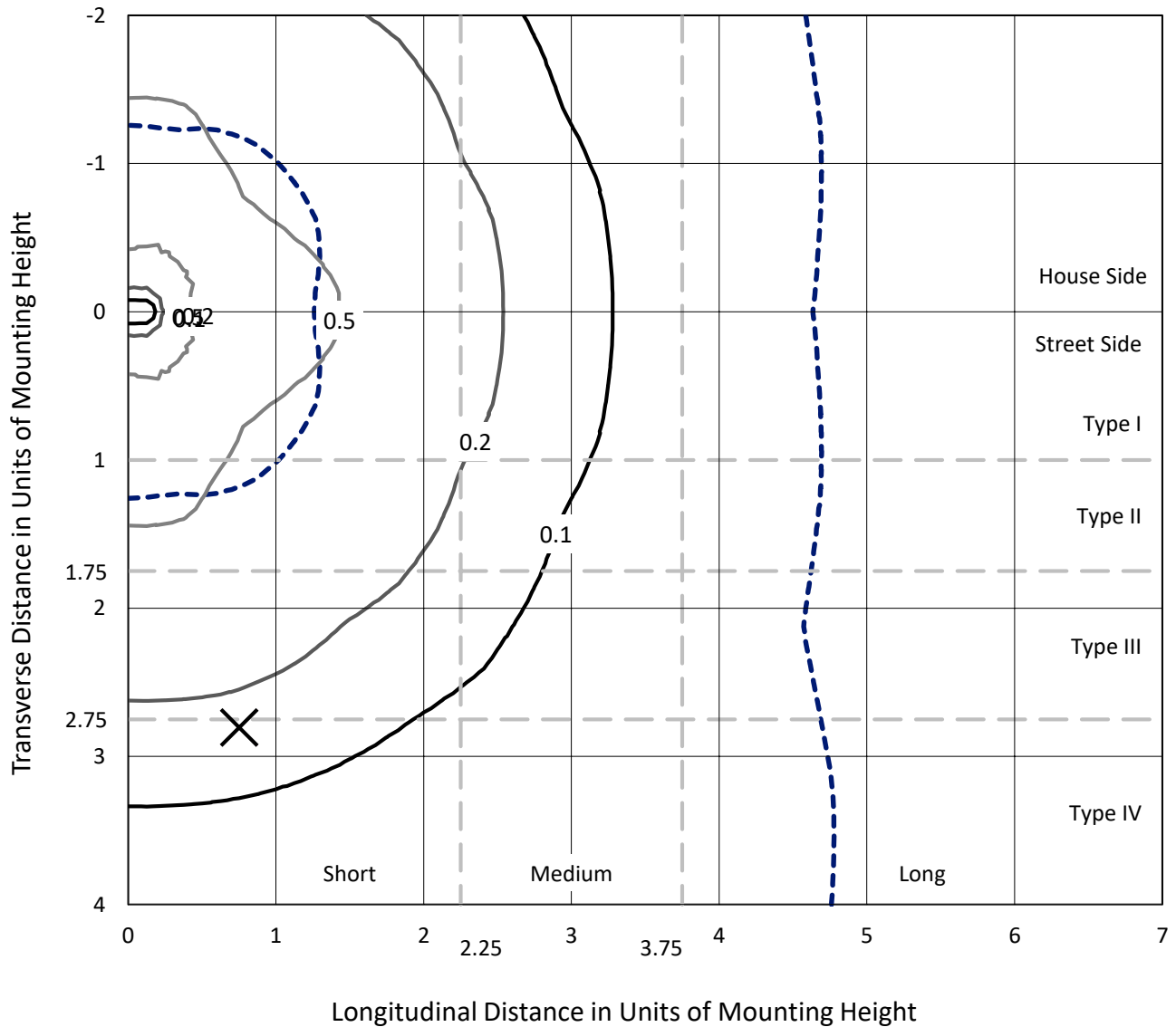
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415909
 CATALOG NUMBER: LXF.LXT-PA1-60-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

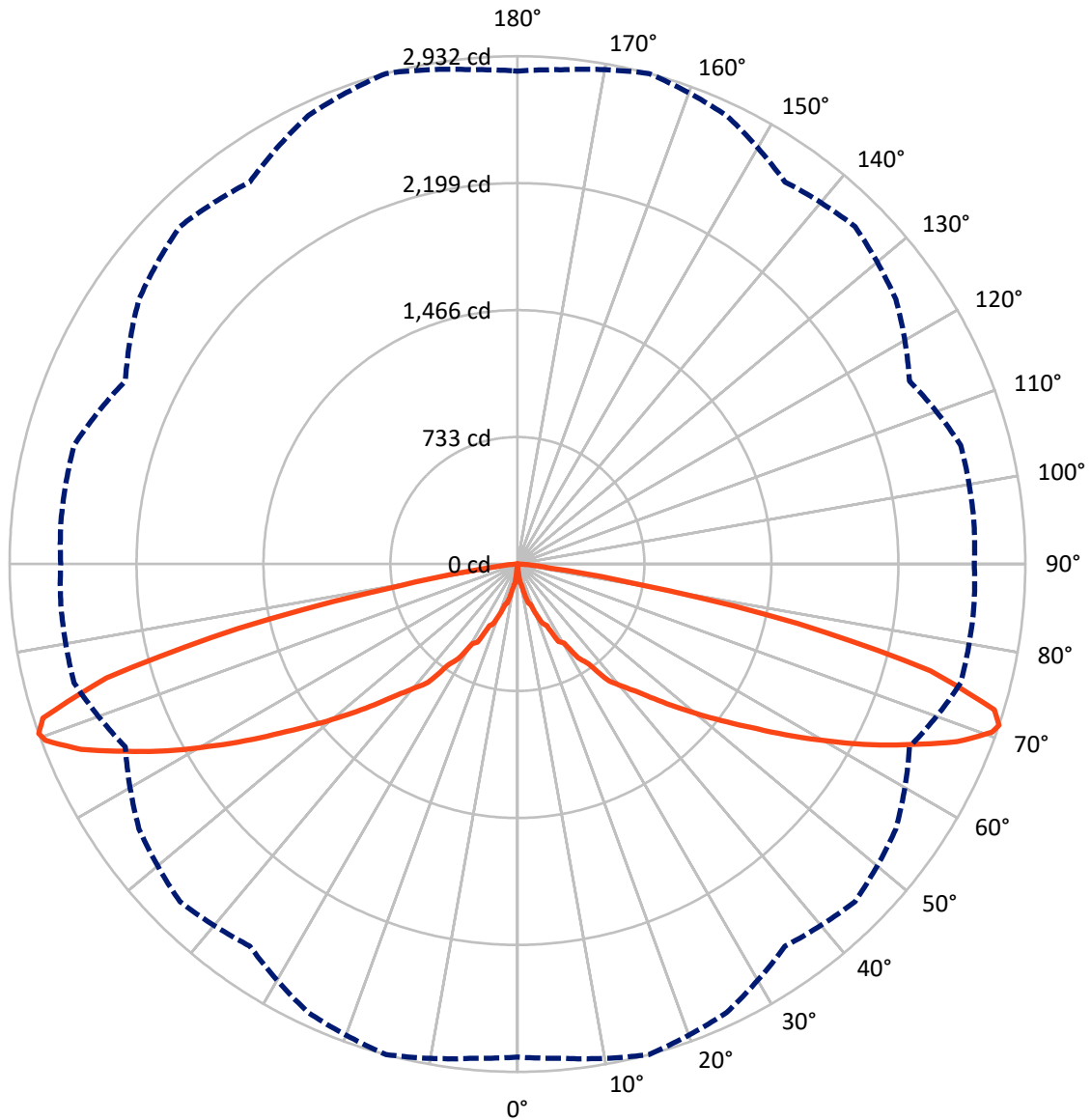
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415909
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415909

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-5WQ

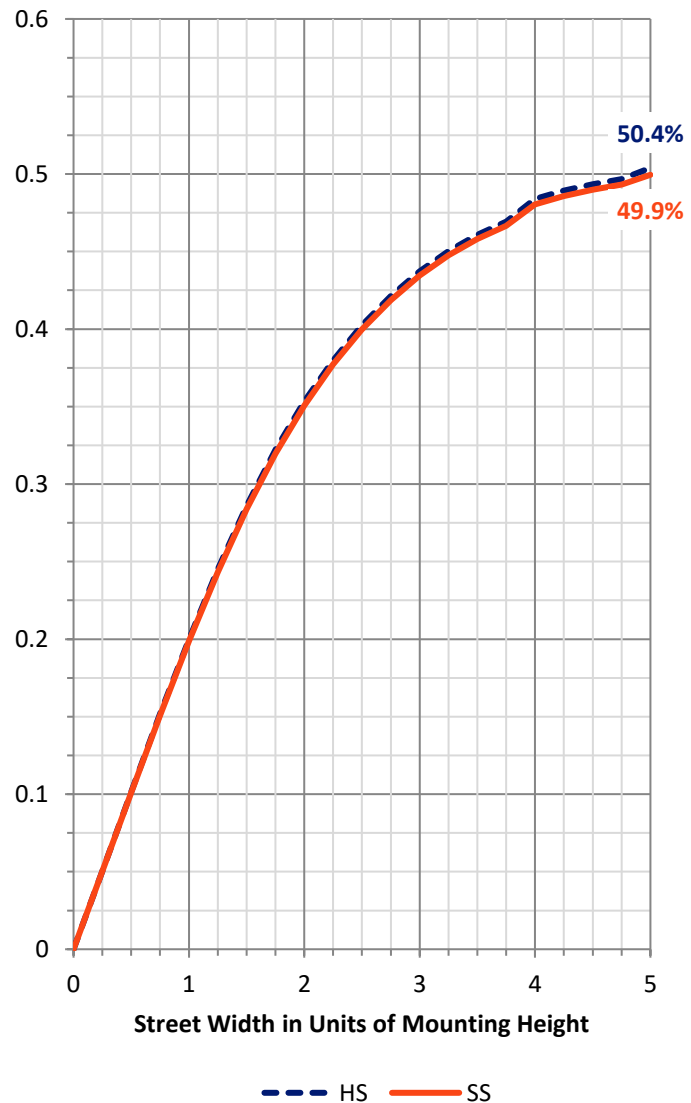
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3973.0	0.0	3973.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3973.0	0.0	3973.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7946.0	0.0	7946.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	52.7	0.7
20°-30°	199.0	2.5
30°-40°	450.8	5.7
40°-50°	805.5	10.1
50°-60°	1417.6	17.8
60°-70°	2345.0	29.5
70°-80°	2371.5	29.8
80°-90°	300.4	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°	7946.0	100.0
0°-180°	7946.0	100.0



REPORT NUMBER: P415909

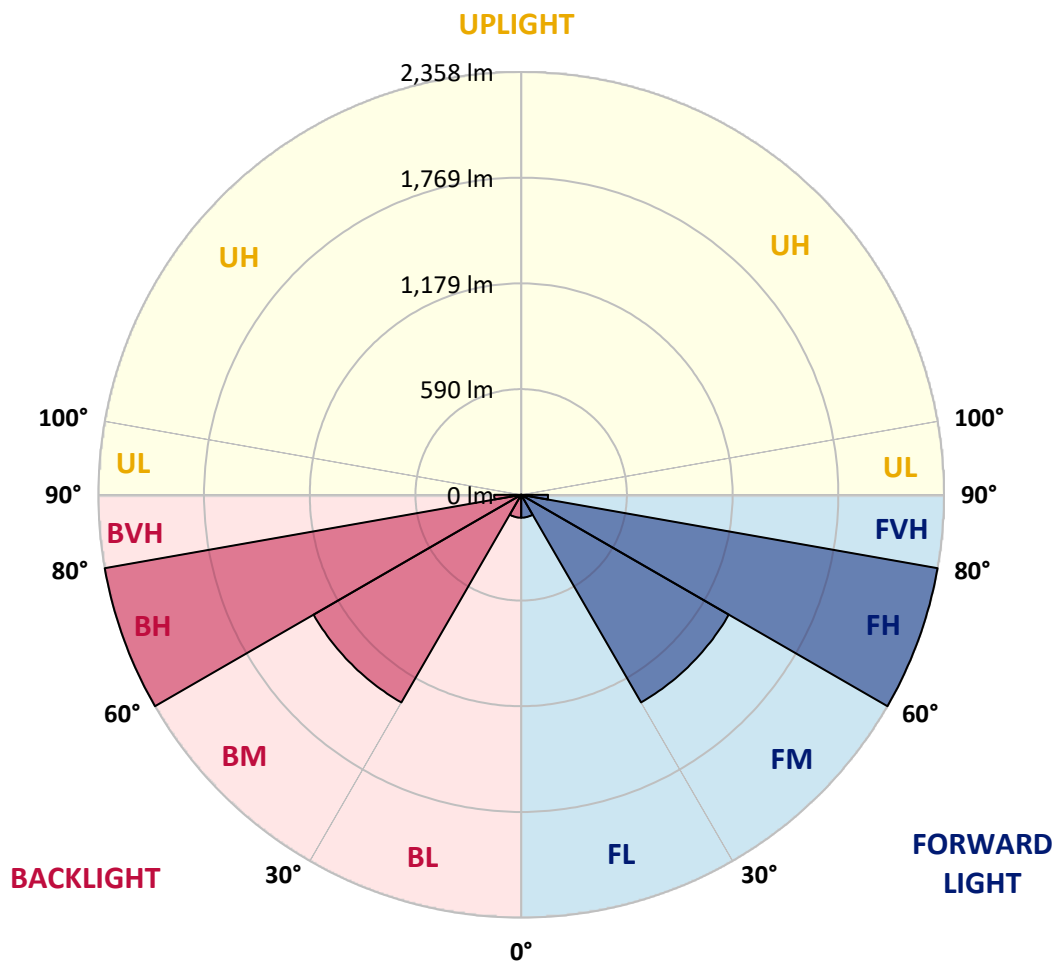
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.6	1.6			
FM (30°-60°)	1336.9	16.8			
FH (60°-80°)	2358.2	29.7			G2/5000
FVH (80°-90°)	150.2	1.9			G2/225
BL (0°-30°)	127.6	1.6	B1/500		
BM (30°-60°)	1336.9	16.8	B2/2500		
BH (60°-80°)	2358.2	29.7	B3/2500		G2/5000
BVH (80°-90°)	150.2	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





REPORT NUMBER: P415909

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.4	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
5°	48.9	35.1	17.1	13.9	9.8	3.3	1.6	1.6	1.6	0.8	0.8
7.5°	110.1	109.3	107.7	93.8	66.1	48.9	10.6	2.4	1.6	1.6	1.6
10°	122.4	121.5	120.7	118.3	115.0	104.4	54.7	10.6	4.1	4.9	4.9
12.5°	176.2	175.4	168.0	130.5	119.1	116.6	98.7	50.6	43.2	81.6	86.5
15°	240.6	239.8	231.7	199.0	170.5	125.6	163.1	181.1	161.5	178.6	178.6
17.5°	255.3	252.9	244.7	236.6	225.1	218.6	240.6	231.7	179.5	191.7	191.7
20°	343.4	326.3	310.0	263.5	243.9	319.8	259.4	252.9	283.9	335.3	344.2
22.5°	380.9	380.1	372.0	350.8	346.7	335.3	323.0	367.9	375.2	381.8	384.2
25°	448.6	443.7	393.2	376.0	430.7	367.1	435.6	398.1	411.1	471.5	478.0
27.5°	518.0	516.3	505.7	451.1	451.1	487.8	458.4	481.3	548.2	571.8	580.8
30°	579.2	548.2	528.6	537.6	500.0	522.9	524.5	563.7	580.0	610.2	618.3
32.5°	680.3	677.9	646.0	585.7	587.3	553.9	599.6	596.3	729.3	797.8	815.7
35°	754.5	760.2	706.4	682.8	627.3	659.9	641.2	725.2	768.4	846.7	858.1
37.5°	900.6	899.7	855.7	738.2	698.3	697.4	731.7	762.7	828.0	899.7	907.1
40°	963.4	961.7	925.0	855.7	752.9	760.2	779.8	808.4	881.0	962.5	966.6
42.5°	1050.6	1042.5	1005.0	912.8	857.3	842.6	847.5	882.6	951.9	1049.0	1044.9
45°	1138.7	1141.2	1108.6	1003.3	948.7	918.5	927.5	974.0	1051.5	1147.7	1146.9
47.5°	1245.6	1248.9	1233.4	1102.0	1053.9	1012.3	1029.4	1075.9	1160.8	1254.6	1252.9
50°	1377.7	1376.9	1366.3	1222.8	1173.0	1132.2	1145.3	1184.4	1274.1	1367.1	1376.9
52.5°	1512.3	1515.6	1514.0	1368.8	1314.1	1275.0	1287.2	1323.9	1411.2	1504.2	1512.3
55°	1664.1	1679.6	1677.9	1557.2	1471.6	1460.9	1468.3	1476.4	1572.7	1663.2	1664.9
57.5°	1851.7	1859.0	1873.7	1770.1	1673.8	1668.1	1654.3	1651.0	1745.6	1820.7	1809.3
60°	2046.6	2054.0	2077.6	2010.7	1904.7	1916.1	1870.4	1820.7	1911.2	1971.6	1965.1
62.5°	2233.4	2250.6	2297.1	2243.2	2145.3	2180.4	2093.1	2009.1	2093.1	2142.9	2133.1
65°	2434.1	2455.3	2510.0	2488.7	2349.3	2423.5	2330.5	2190.2	2304.4	2328.9	2330.5
67.5°	2655.2	2672.3	2737.5	2699.2	2526.3	2606.2	2529.5	2368.0	2493.6	2484.7	2475.7
70°	2825.6	2846.8	2907.2	2827.3	2655.2	2722.0	2646.2	2480.6	2626.6	2631.5	2624.2
71°	2846.0	2864.0	2931.7	2856.6	2692.7	2755.5	2666.6	2497.7	2649.4	2646.2	2637.2
72.5°	2778.3	2800.4	2880.3	2832.2	2722.0	2797.1	2665.8	2470.0	2616.8	2586.6	2574.4
75°	2353.3	2364.8	2462.6	2550.7	2616.0	2779.1	2517.3	2252.2	2350.1	2303.6	2297.9
77.5°	1430.0	1459.3	1655.1	1925.1	2240.0	2501.8	2190.2	1821.5	1783.2	1645.3	1591.5
80°	493.5	544.9	699.9	984.6	1506.6	1933.2	1544.2	1113.5	832.8	627.3	580.0
82.5°	82.4	119.9	181.9	308.3	677.0	1098.8	762.7	367.9	239.0	167.2	161.5
85°	27.7	32.6	69.3	85.7	158.2	302.6	177.8	102.0	88.1	56.3	52.2
87.5°	4.1	5.7	9.0	9.8	13.9	8.2	14.7	15.5	12.2	8.2	4.9
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)