

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: P416533

Luminaire Tested: **LXF.LXT-PA1-70-830-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416533
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-PA1-70-830-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7082 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

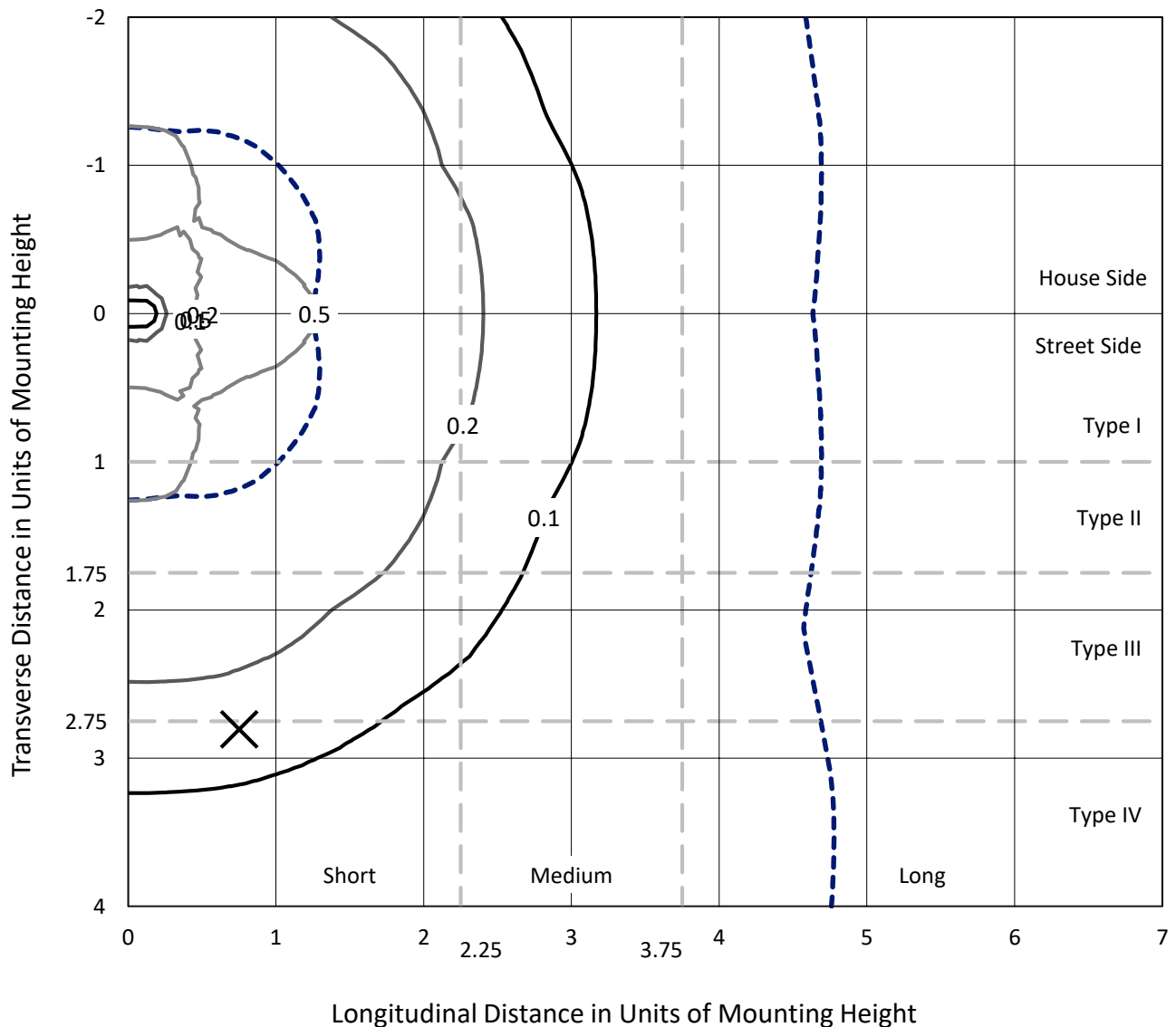
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

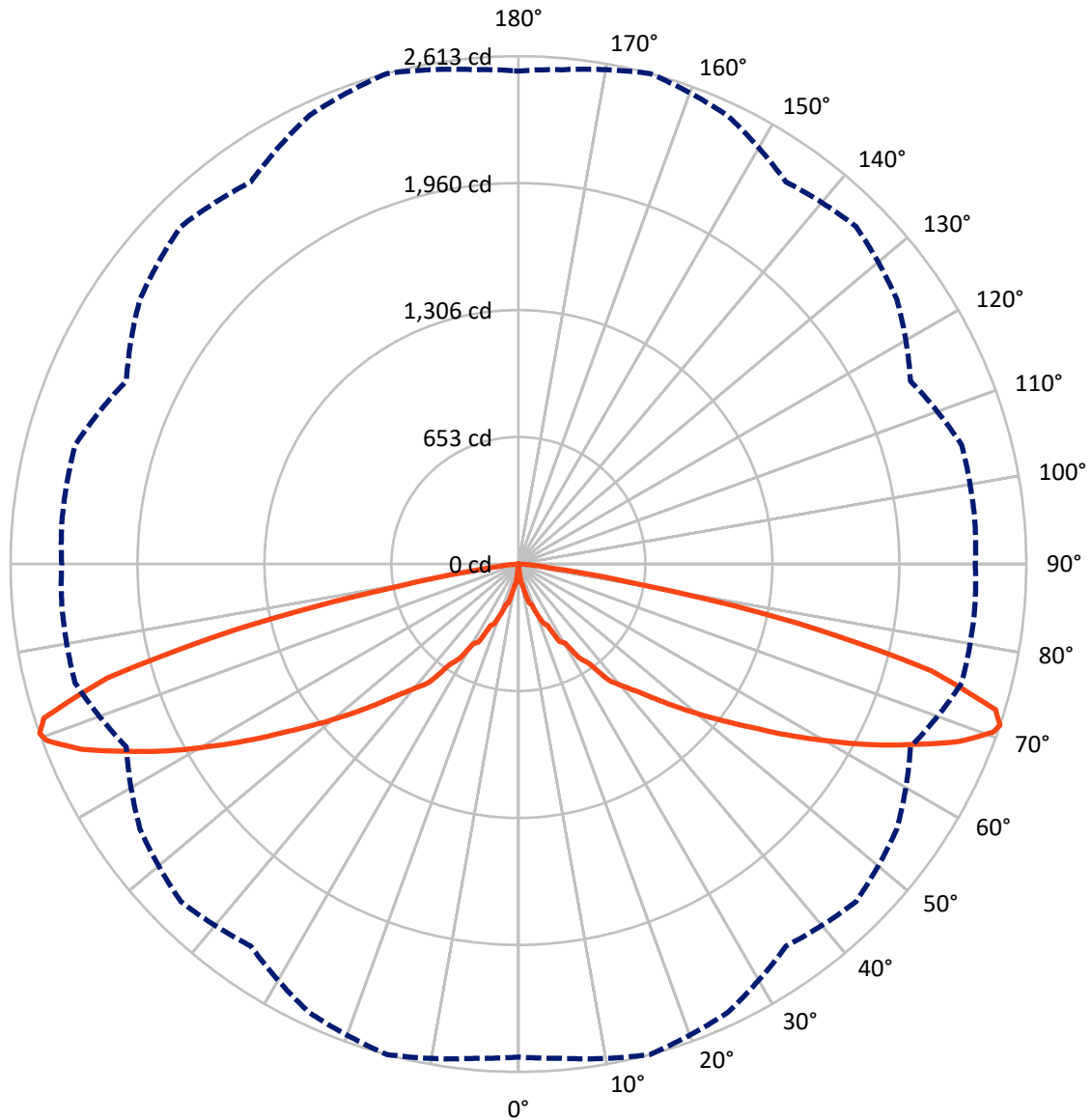
× Max cd
 - - - 1/2 Max cd



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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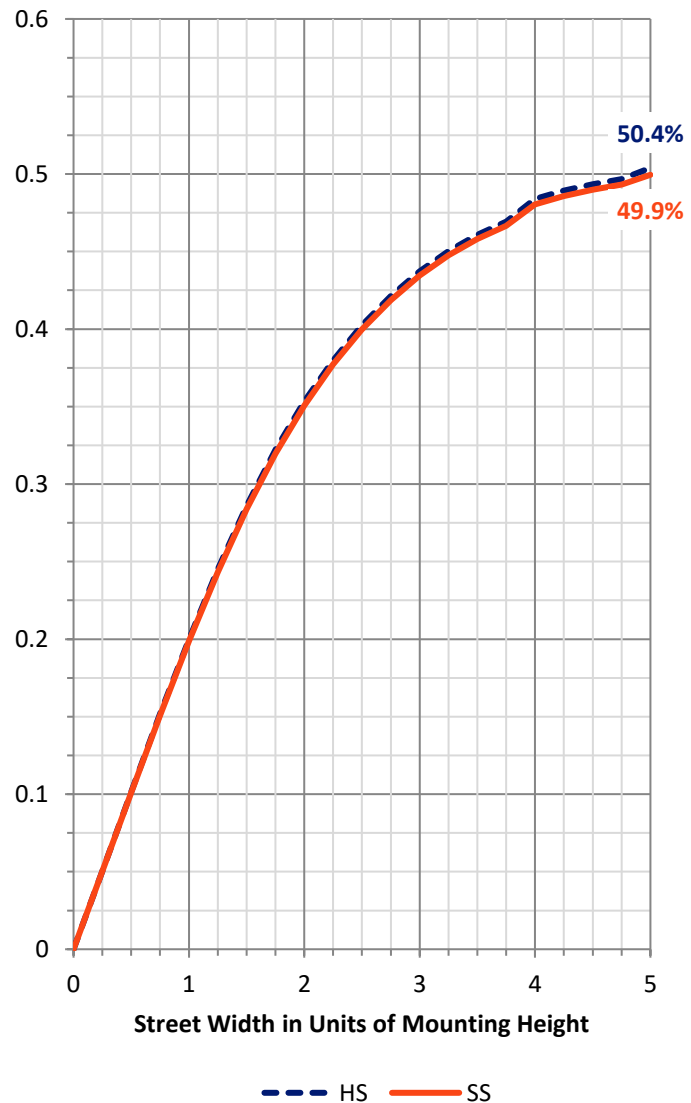
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3541.0	0.0	3541.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3541.0	0.0	3541.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7082.0	0.0	7082.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	47.0	0.7
20°-30°	177.4	2.5
30°-40°	401.7	5.7
40°-50°	717.9	10.1
50°-60°	1263.4	17.8
60°-70°	2090.0	29.5
70°-80°	2113.6	29.8
80°-90°	267.8	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°	7082.0	100.0
0°-180°	7082.0	100.0



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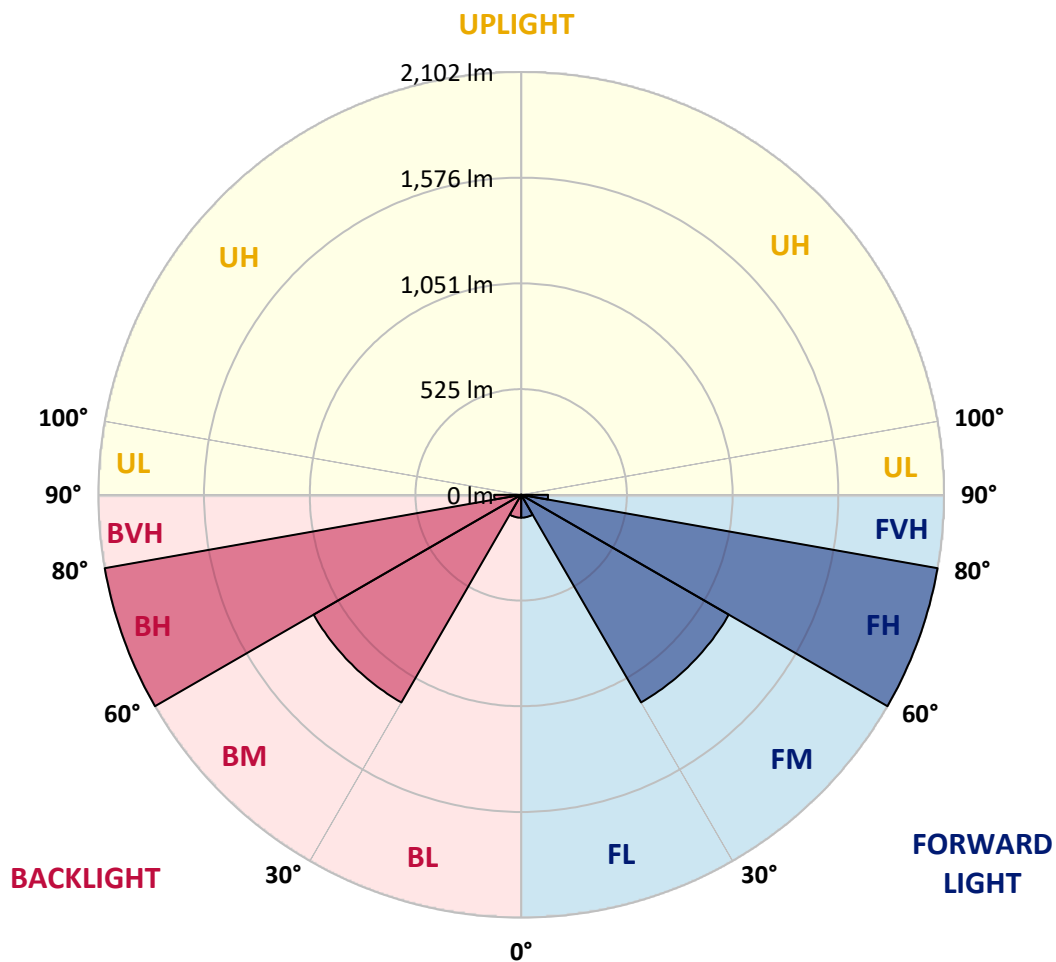
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.8	1.6			
FM (30°-60°)	1191.5	16.8			
FH (60°-80°)	2101.8	29.7			G2/5000
FVH (80°-90°)	133.9	1.9			G2/225
BL (0°-30°)	113.8	1.6	B1/500		
BM (30°-60°)	1191.5	16.8	B2/2500		
BH (60°-80°)	2101.8	29.7	B3/2500		G2/5000
BVH (80°-90°)	133.9	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°	43.6	31.3	15.3	12.4	8.7	2.9	1.5	1.5	1.5	0.7	0.7
7.5°	98.1	97.4	96.0	83.6	58.9	43.6	9.5	2.2	1.5	1.5	1.5
10°	109.1	108.3	107.6	105.4	102.5	93.1	48.7	9.5	3.6	4.4	4.4
12.5°	157.0	156.3	149.8	116.3	106.1	104.0	88.0	45.1	38.5	72.7	77.1
15°	214.5	213.7	206.5	177.4	151.9	112.0	145.4	161.4	143.9	159.2	159.2
17.5°	227.6	225.4	218.1	210.8	200.7	194.8	214.5	206.5	159.9	170.8	170.8
20°	306.1	290.8	276.3	234.8	217.4	285.0	231.2	225.4	253.0	298.8	306.8
22.5°	339.5	338.8	331.5	312.6	309.0	298.8	287.9	327.9	334.4	340.2	342.4
25°	399.9	395.5	350.4	335.2	383.9	327.2	388.2	354.8	366.4	420.2	426.0
27.5°	461.7	460.2	450.8	402.0	402.0	434.8	408.6	428.9	488.6	509.6	517.6
30°	516.2	488.6	471.1	479.1	445.7	466.0	467.5	502.4	516.9	543.8	551.1
32.5°	606.3	604.2	575.8	522.0	523.5	493.6	534.4	531.5	650.0	711.0	727.0
35°	672.5	677.6	629.6	608.5	559.1	588.2	571.4	646.3	684.9	754.6	764.8
37.5°	802.6	801.9	762.6	658.0	622.3	621.6	652.1	679.8	737.9	801.9	808.4
40°	858.6	857.2	824.4	762.6	671.0	677.6	695.0	720.5	785.2	857.9	861.5
42.5°	936.4	929.1	895.7	813.5	764.1	751.0	755.4	786.6	848.4	934.9	931.3
45°	1014.9	1017.1	988.0	894.2	845.5	818.6	826.6	868.1	937.1	1022.9	1022.2
47.5°	1110.2	1113.1	1099.3	982.2	939.3	902.2	917.5	958.9	1034.5	1118.2	1116.7
50°	1227.9	1227.2	1217.8	1089.8	1045.5	1009.1	1020.7	1055.6	1135.6	1218.5	1227.2
52.5°	1347.9	1350.8	1349.3	1219.9	1171.2	1136.3	1147.2	1180.0	1257.7	1340.6	1347.9
55°	1483.1	1496.9	1495.5	1387.9	1311.5	1302.1	1308.6	1315.9	1401.7	1482.4	1483.8
57.5°	1650.3	1656.9	1670.0	1577.6	1491.8	1486.8	1474.4	1471.5	1555.8	1622.7	1612.5
60°	1824.1	1830.6	1851.7	1792.1	1697.6	1707.8	1667.1	1622.7	1703.4	1757.2	1751.4
62.5°	1990.6	2005.8	2047.3	1999.3	1912.1	1943.3	1865.5	1790.7	1865.5	1909.9	1901.2
65°	2169.4	2188.3	2237.0	2218.1	2093.8	2160.0	2077.1	1952.0	2053.8	2075.6	2077.1
67.5°	2366.5	2381.7	2439.9	2405.7	2251.6	2322.8	2254.5	2110.5	2222.5	2214.5	2206.5
70°	2518.4	2537.3	2591.1	2519.9	2366.5	2426.1	2358.5	2210.9	2341.0	2345.4	2338.8
71°	2536.6	2552.6	2612.9	2546.0	2399.9	2455.9	2376.6	2226.1	2361.4	2358.5	2350.5
72.5°	2476.2	2495.9	2567.1	2524.2	2426.1	2493.0	2375.9	2201.4	2332.3	2305.4	2294.5
75°	2097.5	2107.6	2194.9	2273.4	2331.6	2477.0	2243.6	2007.3	2094.5	2053.1	2048.0
77.5°	1274.5	1300.6	1475.1	1715.8	1996.4	2229.8	1952.0	1623.4	1589.3	1466.4	1418.4
80°	439.8	485.6	623.8	877.5	1342.8	1723.0	1376.2	992.4	742.3	559.1	516.9
82.5°	73.4	106.9	162.1	274.8	603.4	979.3	679.8	327.9	213.0	149.0	143.9
85°	24.7	29.1	61.8	76.3	141.0	269.7	158.5	90.9	78.5	50.2	46.5
87.5°	3.6	5.1	8.0	8.7	12.4	7.3	13.1	13.8	10.9	7.3	4.4
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)