

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: P417313

Luminaire Tested: **LXF.LXT-PA1-90-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417313
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-PA1-90-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 7720 lumens
Efficiency: N/A
Efficacy: 82.1 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

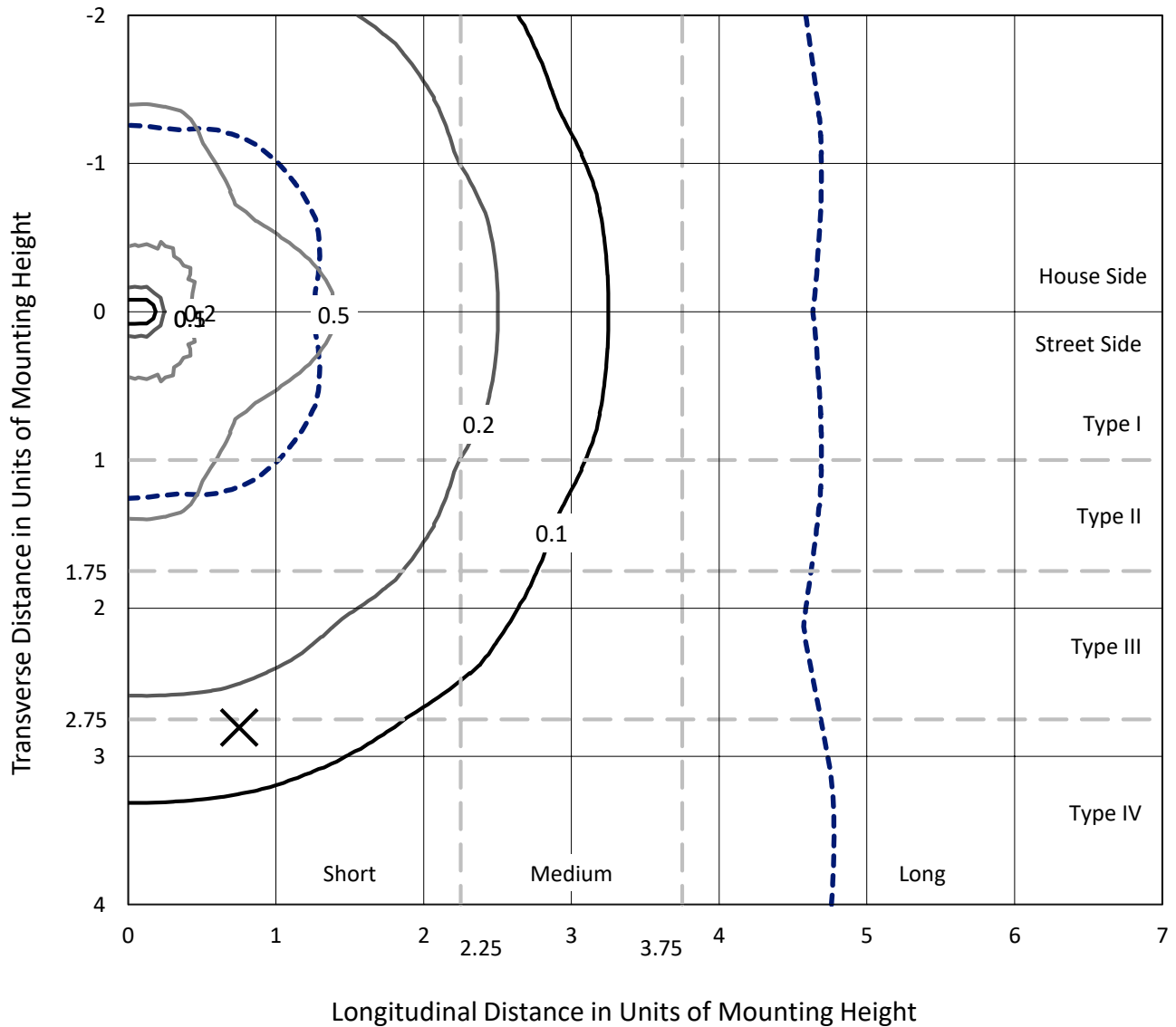
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

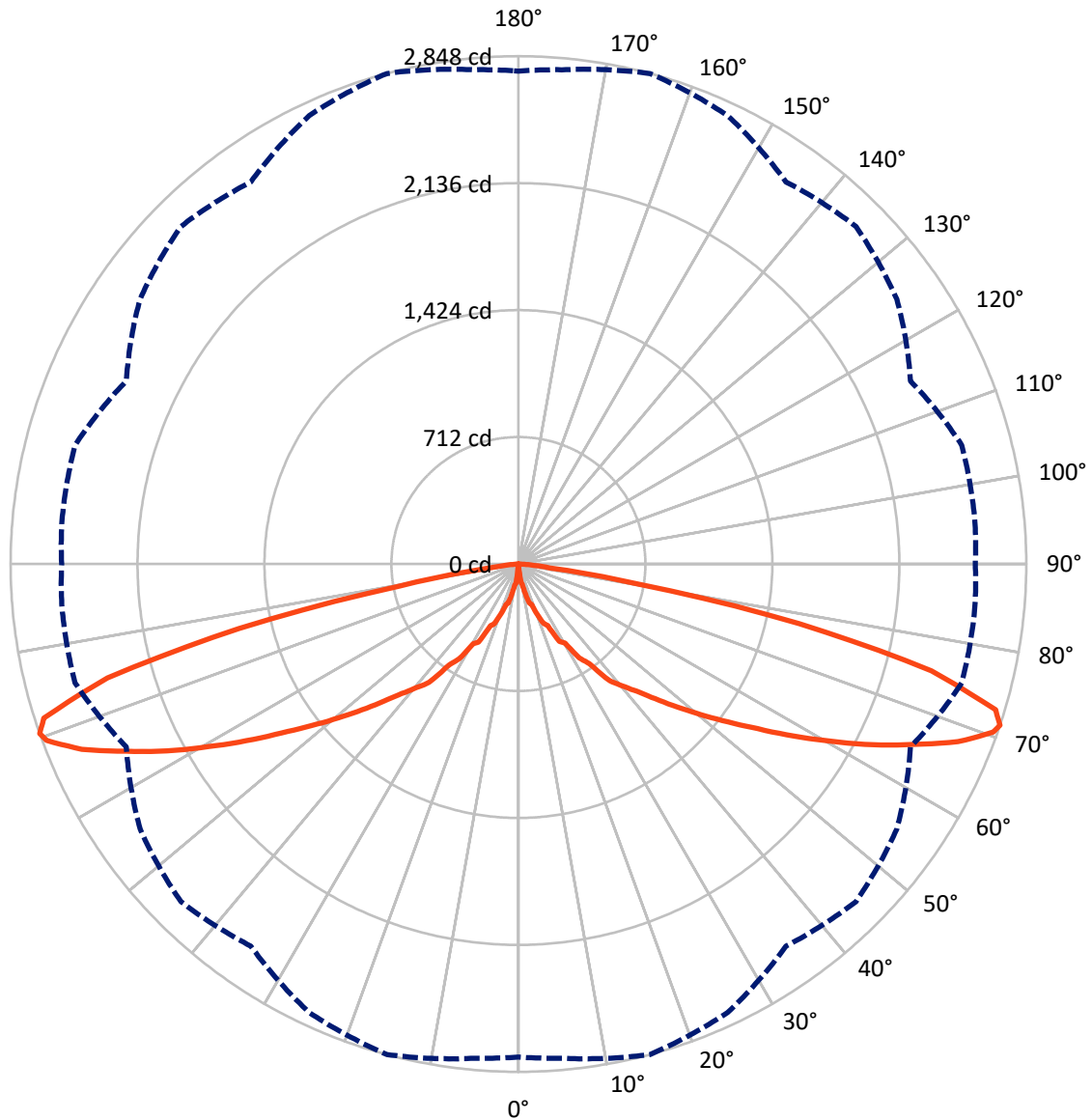
✕ Max cd
 - - - 1/2 Max cd



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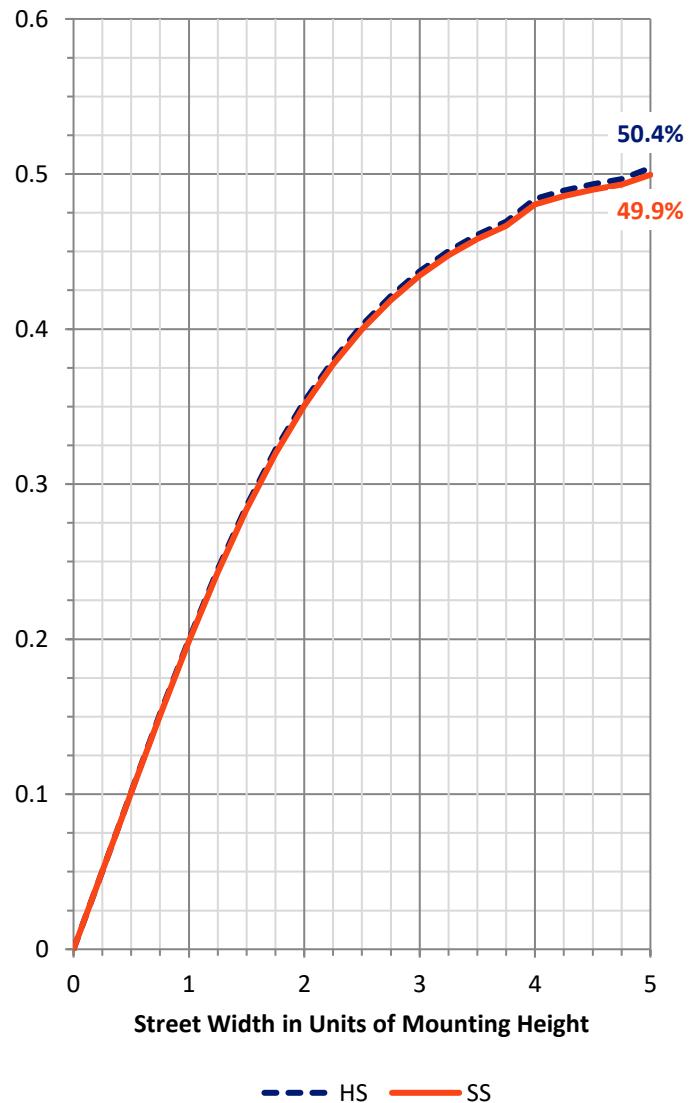
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3860.0	0.0	3860.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3860.0	0.0	3860.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7720.0	0.0	7720.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.0
10°-20°	51.2	0.7
20°-30°	193.4	2.5
30°-40°	437.9	5.7
40°-50°	782.6	10.1
50°-60°	1377.2	17.8
60°-70°	2278.3	29.5
70°-80°	2304.0	29.8
80°-90°	291.9	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°	7720.0	100.0
0°-180°	7720.0	100.0



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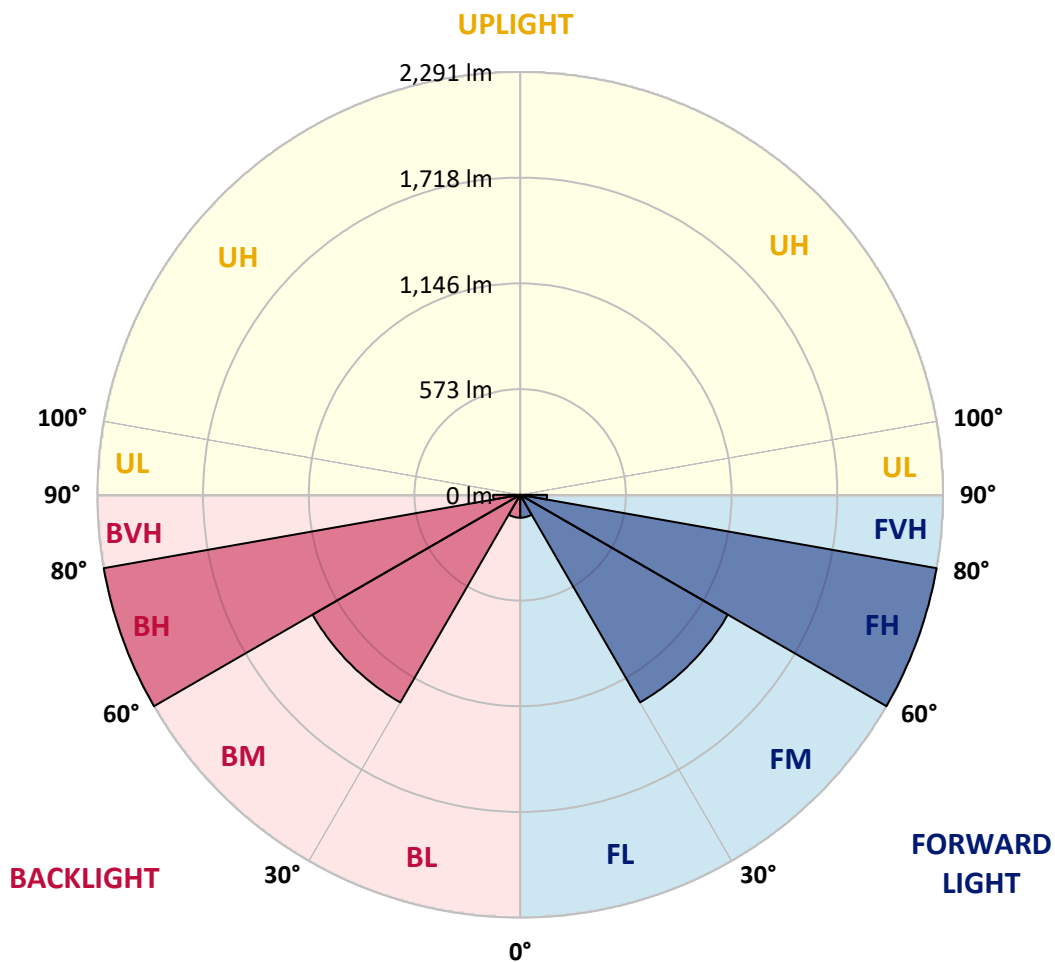
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	1.6			
FM (30°-60°)	1298.9	16.8			
FH (60°-80°)	2291.2	29.7			G2/5000
FVH (80°-90°)	146.0	1.9			G2/225
BL (0°-30°)	124.0	1.6	B1/500		
BM (30°-60°)	1298.9	16.8	B2/2500		
BH (60°-80°)	2291.2	29.7	B3/2500		G2/5000
BVH (80°-90°)	146.0	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°	0.8	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°	47.6	34.1	16.6	13.5	9.5	3.2	1.6	1.6	1.6	0.8	0.8
7.5°	107.0	106.2	104.6	91.1	64.2	47.6	10.3	2.4	1.6	1.6	1.6
10°	118.9	118.1	117.3	114.9	111.7	101.4	53.1	10.3	4.0	4.8	4.8
12.5°	171.2	170.4	163.3	126.8	115.7	113.3	95.9	49.1	42.0	79.3	84.0
15°	233.8	233.0	225.1	193.4	165.6	122.0	158.5	175.9	156.9	173.6	173.6
17.5°	248.1	245.7	237.8	229.8	218.7	212.4	233.8	225.1	174.4	186.2	186.2
20°	333.6	317.0	301.2	256.0	237.0	310.7	252.0	245.7	275.8	325.7	334.4
22.5°	370.1	369.3	361.4	340.8	336.8	325.7	313.8	357.4	364.6	370.9	373.3
25°	435.9	431.1	382.0	365.3	418.4	356.6	423.2	386.7	399.4	458.1	464.4
27.5°	503.2	501.7	491.4	438.3	438.3	473.9	445.4	467.6	532.6	555.6	564.3
30°	562.7	532.6	513.6	522.3	485.8	508.0	509.6	547.6	563.5	592.8	600.7
32.5°	661.0	658.6	627.7	569.0	570.6	538.1	582.5	579.3	708.5	775.1	792.5
35°	733.1	738.6	686.3	663.3	609.4	641.1	622.9	704.5	746.5	822.6	833.7
37.5°	874.9	874.1	831.3	717.2	678.4	677.6	710.9	741.0	804.4	874.1	881.3
40°	936.0	934.4	898.7	831.3	731.5	738.6	757.6	785.4	855.9	935.2	939.1
42.5°	1020.8	1012.8	976.4	886.8	832.9	818.7	823.4	857.5	924.9	1019.2	1015.2
45°	1106.4	1108.7	1077.0	974.8	921.7	892.4	901.1	946.3	1021.6	1115.1	1114.3
47.5°	1210.2	1213.3	1198.3	1070.7	1023.9	983.5	1000.2	1045.3	1127.7	1218.9	1217.3
50°	1338.6	1337.8	1327.5	1188.0	1139.6	1100.0	1112.7	1150.7	1237.9	1328.3	1337.8
52.5°	1469.3	1472.5	1470.9	1329.8	1276.7	1238.7	1250.6	1286.3	1371.1	1461.4	1469.3
55°	1616.7	1631.8	1630.2	1512.9	1429.7	1419.4	1426.5	1434.5	1528.0	1615.9	1617.5
57.5°	1799.0	1806.1	1820.4	1719.8	1626.2	1620.7	1607.2	1604.1	1696.0	1768.9	1757.8
60°	1988.4	1995.6	2018.5	1953.6	1850.5	1861.6	1817.2	1768.9	1856.9	1915.5	1909.2
62.5°	2169.9	2186.6	2231.7	2179.4	2084.3	2118.4	2033.6	1952.0	2033.6	2081.9	2072.4
65°	2364.9	2385.5	2438.6	2418.0	2282.4	2354.6	2264.2	2127.9	2238.9	2262.6	2264.2
67.5°	2579.6	2596.3	2659.7	2622.4	2454.4	2532.1	2457.6	2300.7	2422.7	2414.0	2405.3
70°	2745.3	2765.9	2824.5	2746.9	2579.6	2644.6	2570.9	2410.0	2551.9	2556.7	2549.5
71°	2765.1	2782.5	2848.3	2775.4	2616.1	2677.1	2590.7	2426.7	2574.1	2570.9	2562.2
72.5°	2699.3	2720.7	2798.4	2751.6	2644.6	2717.5	2589.9	2399.7	2542.4	2513.1	2501.2
75°	2286.4	2297.5	2392.6	2478.2	2541.6	2700.1	2445.7	2188.1	2283.2	2238.1	2232.5
77.5°	1389.3	1417.8	1608.0	1870.3	2176.2	2430.6	2127.9	1769.7	1732.4	1598.5	1546.2
80°	479.5	529.4	680.0	956.6	1463.8	1878.3	1500.2	1081.8	809.2	609.4	563.5
82.5°	80.0	116.5	176.7	299.6	657.8	1067.5	741.0	357.4	232.2	162.5	156.9
85°	26.9	31.7	67.4	83.2	153.7	294.0	172.8	99.1	85.6	54.7	50.7
87.5°	4.0	5.5	8.7	9.5	13.5	7.9	14.3	15.1	11.9	7.9	4.8
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)