

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: P413985

Luminaire Tested: **LXF.LXT-PA1-100-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413985
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-PA1-100-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7818 lumens
Efficiency: N/A
Efficacy: 81.4 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

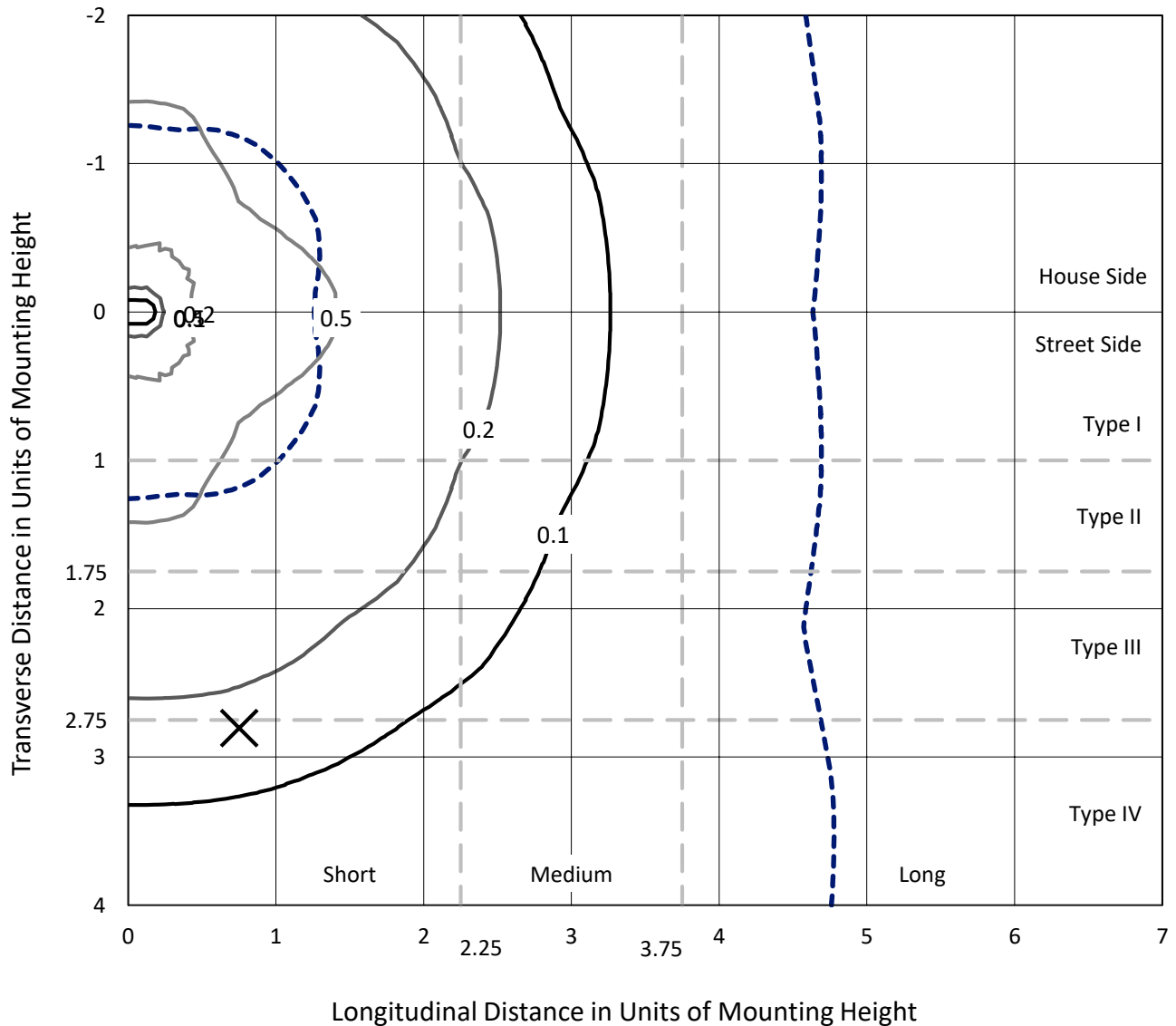
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

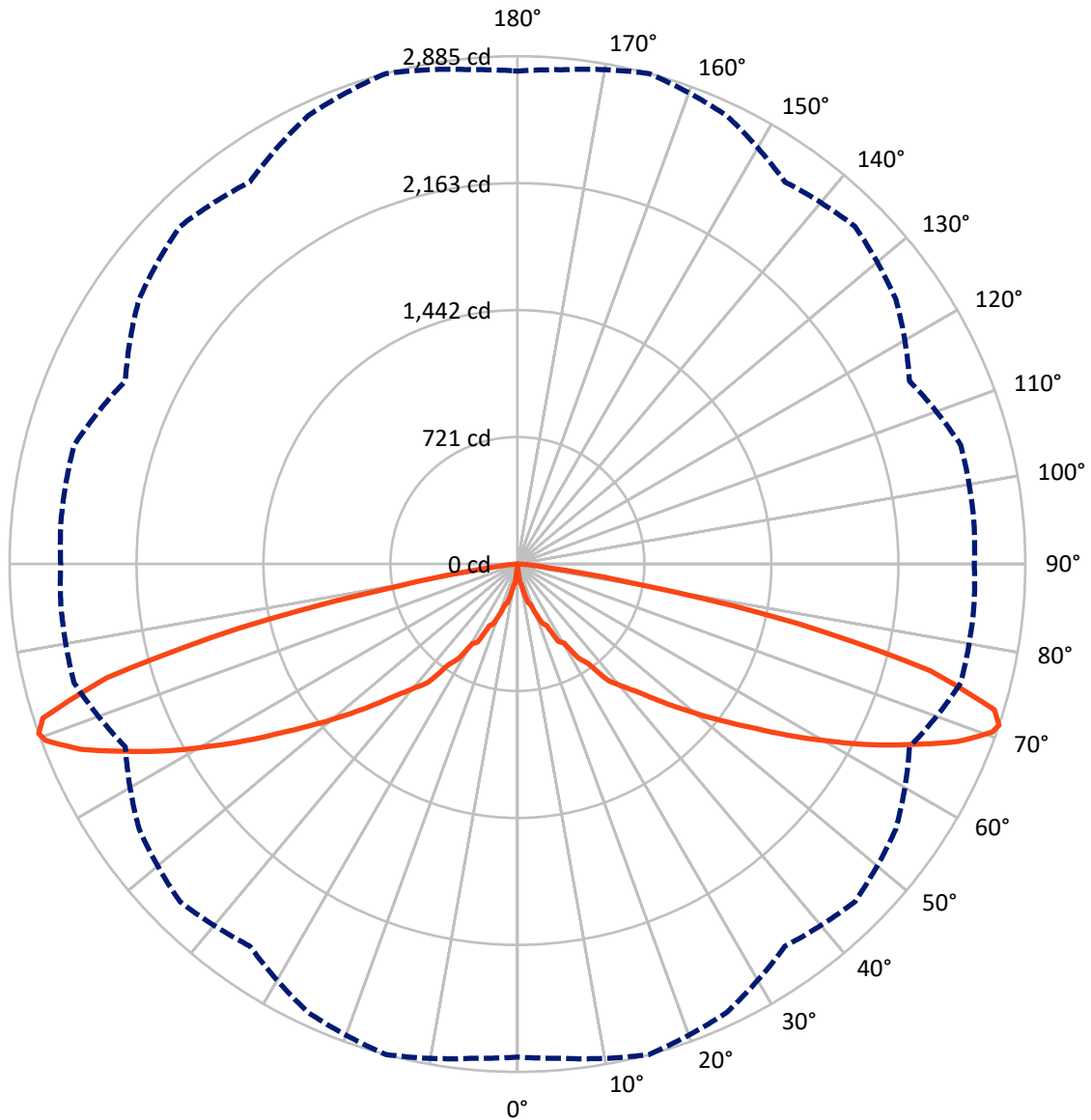
✕ Max cd
 - - - 1/2 Max cd



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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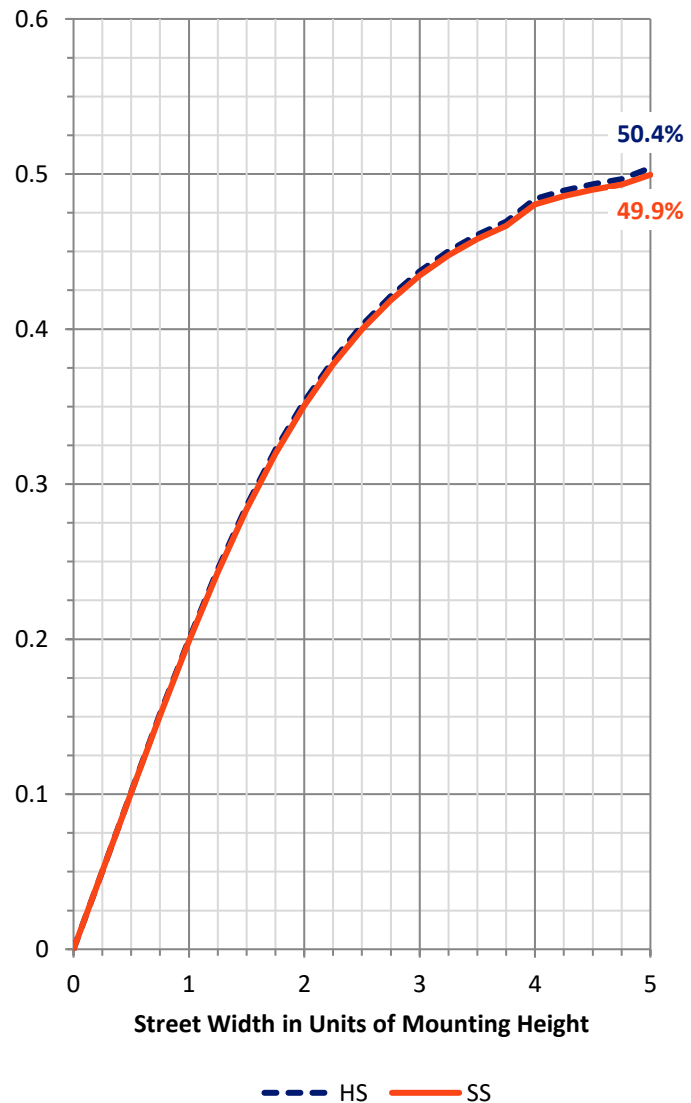
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3909.0	0.0	3909.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3909.0	0.0	3909.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7818.0	0.0	7818.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	51.9	0.7
20°-30°	195.8	2.5
30°-40°	443.5	5.7
40°-50°	792.5	10.1
50°-60°	1394.7	17.8
60°-70°	2307.2	29.5
70°-80°	2333.3	29.8
80°-90°	295.6	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°	7818.0	100.0
0°-180°	7818.0	100.0



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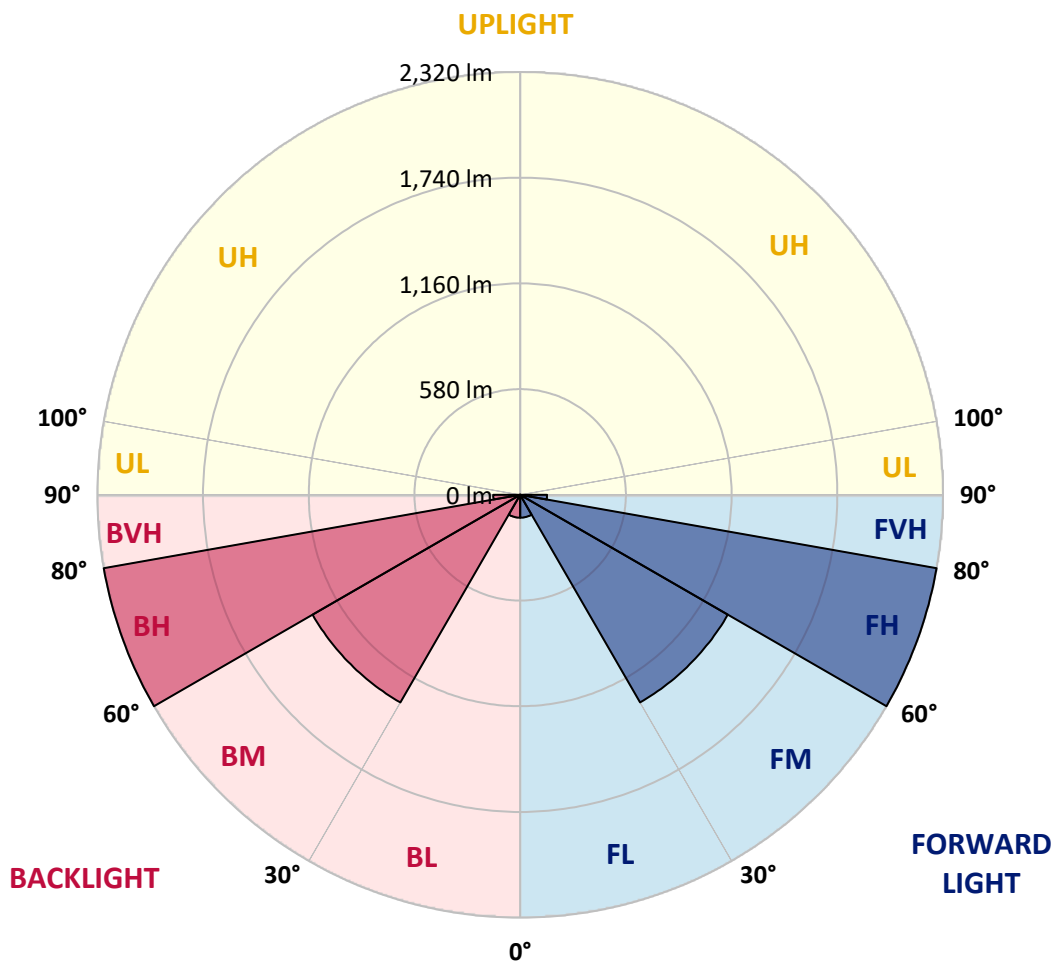
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.6	1.6			
FM (30°-60°)	1315.4	16.8			
FH (60°-80°)	2320.3	29.7			G2/5000
FVH (80°-90°)	147.8	1.9			G2/225
BL (0°-30°)	125.6	1.6	B1/500		
BM (30°-60°)	1315.4	16.8	B2/2500		
BH (60°-80°)	2320.3	29.7	B3/2500		G2/5000
BVH (80°-90°)	147.8	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°	0.8	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°	48.2	34.5	16.9	13.6	9.6	3.2	1.6	1.6	1.6	0.8	0.8
7.5°	108.3	107.5	105.9	92.3	65.0	48.2	10.4	2.4	1.6	1.6	1.6
10°	120.4	119.6	118.8	116.4	113.2	102.7	53.8	10.4	4.0	4.8	4.8
12.5°	173.4	172.6	165.3	128.4	117.2	114.8	97.1	49.8	42.5	80.3	85.1
15°	236.8	236.0	227.9	195.8	167.7	123.6	160.5	178.2	158.9	175.8	175.8
17.5°	251.2	248.8	240.8	232.7	221.5	215.1	236.8	227.9	176.6	188.6	188.6
20°	337.9	321.0	305.0	259.2	240.0	314.6	255.2	248.8	279.3	329.9	338.7
22.5°	374.8	374.0	366.0	345.1	341.1	329.9	317.8	362.0	369.2	375.6	378.0
25°	441.4	436.6	386.8	370.0	423.8	361.2	428.6	391.7	404.5	463.9	470.3
27.5°	509.6	508.0	497.6	443.8	443.8	479.9	451.0	473.5	539.3	562.6	571.4
30°	569.8	539.3	520.1	528.9	492.0	514.5	516.1	554.6	570.6	600.3	608.4
32.5°	669.3	666.9	635.6	576.2	577.9	544.9	589.9	586.7	717.5	784.9	802.6
35°	742.4	748.0	695.0	671.8	617.2	649.3	630.8	713.5	756.0	833.1	844.3
37.5°	886.0	885.2	841.9	726.3	687.0	686.2	719.9	750.4	814.6	885.2	892.5
40°	947.8	946.2	910.1	841.9	740.8	748.0	767.3	795.4	866.8	947.0	951.1
42.5°	1033.7	1025.7	988.8	898.1	843.5	829.1	833.9	868.4	936.6	1032.1	1028.1
45°	1120.4	1122.8	1090.7	987.2	933.4	903.7	912.5	958.3	1034.5	1129.2	1128.4
47.5°	1225.5	1228.7	1213.5	1084.3	1036.9	996.0	1012.9	1058.6	1142.1	1234.4	1232.8
50°	1355.6	1354.7	1344.3	1203.1	1154.1	1114.0	1126.8	1165.3	1253.6	1345.1	1354.7
52.5°	1488.0	1491.2	1489.6	1346.7	1292.9	1254.4	1266.5	1302.6	1388.5	1479.9	1488.0
55°	1637.3	1652.5	1650.9	1532.1	1447.8	1437.4	1444.6	1452.7	1547.4	1636.5	1638.1
57.5°	1821.8	1829.1	1843.5	1741.6	1646.9	1641.3	1627.6	1624.4	1717.5	1791.3	1780.1
60°	2013.7	2020.9	2044.2	1978.3	1874.0	1885.3	1840.3	1791.3	1880.4	1939.8	1933.4
62.5°	2197.5	2214.3	2260.1	2207.1	2110.8	2145.3	2059.4	1976.7	2059.4	2108.4	2098.7
65°	2394.9	2415.8	2469.5	2448.7	2311.4	2384.5	2293.0	2154.9	2267.3	2291.4	2293.0
67.5°	2612.4	2629.2	2693.4	2655.7	2485.6	2564.2	2488.8	2329.9	2453.5	2444.6	2435.8
70°	2780.1	2801.0	2860.4	2781.7	2612.4	2678.2	2603.6	2440.6	2584.3	2589.1	2581.9
71°	2800.2	2817.8	2884.5	2810.6	2649.3	2711.1	2623.6	2457.5	2606.8	2603.6	2594.7
72.5°	2733.6	2755.2	2833.9	2786.5	2678.2	2752.0	2622.8	2430.2	2574.7	2545.0	2532.9
75°	2315.4	2326.7	2423.0	2509.7	2573.9	2734.4	2476.7	2215.9	2312.2	2266.5	2260.9
77.5°	1406.9	1435.8	1628.4	1894.1	2203.9	2461.5	2154.9	1792.2	1754.4	1618.8	1565.8
80°	485.6	536.1	688.6	968.7	1482.4	1902.1	1519.3	1095.5	819.4	617.2	570.6
82.5°	81.1	118.0	179.0	303.4	666.1	1081.1	750.4	362.0	235.2	164.5	158.9
85°	27.3	32.1	68.2	84.3	155.7	297.8	175.0	100.3	86.7	55.4	51.4
87.5°	4.0	5.6	8.8	9.6	13.6	8.0	14.4	15.2	12.0	8.0	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)