

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: P413725

Luminaire Tested: **LXF.LXT-PA1-100-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413725
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-PA1-100-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 8894 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

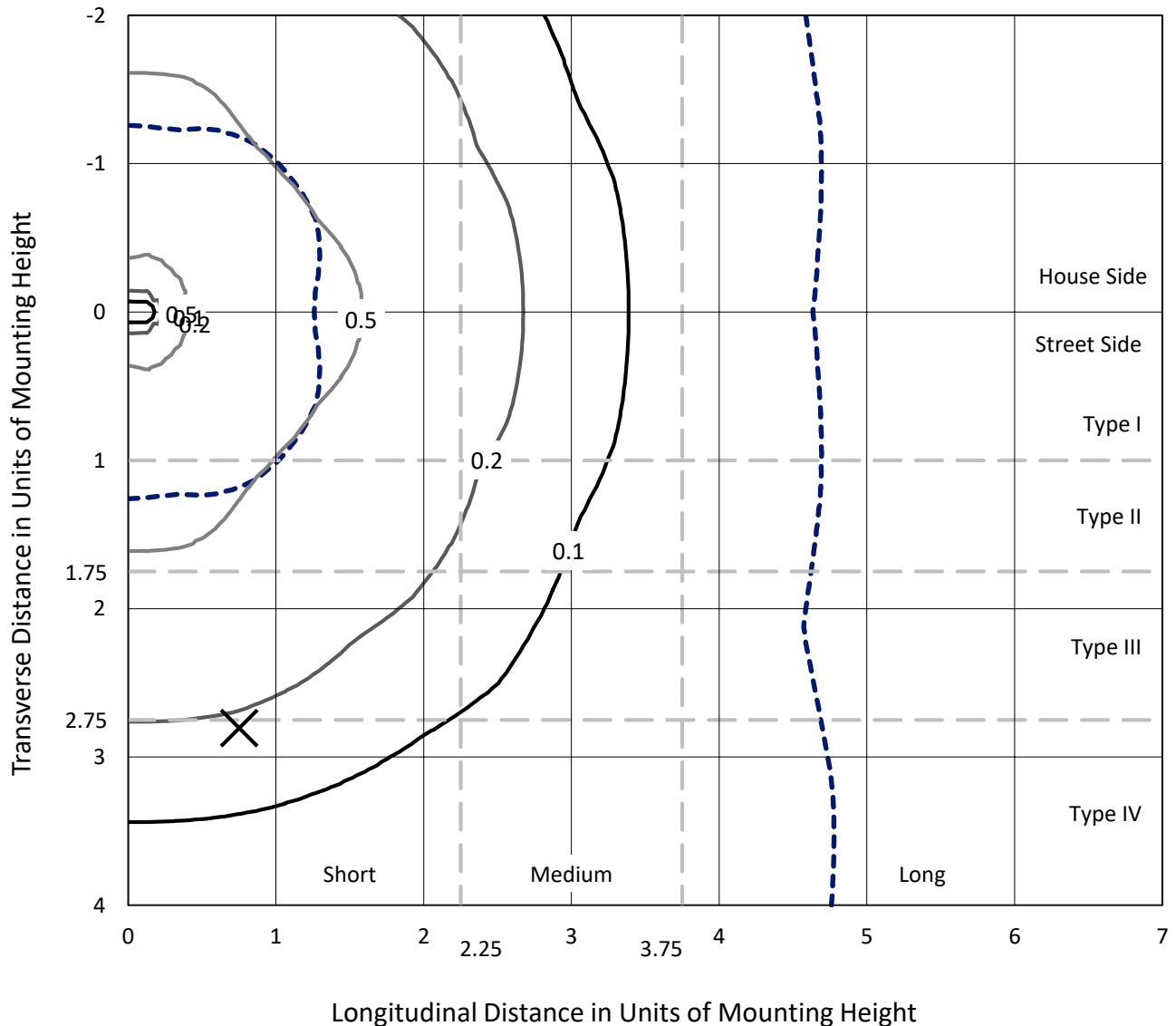
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

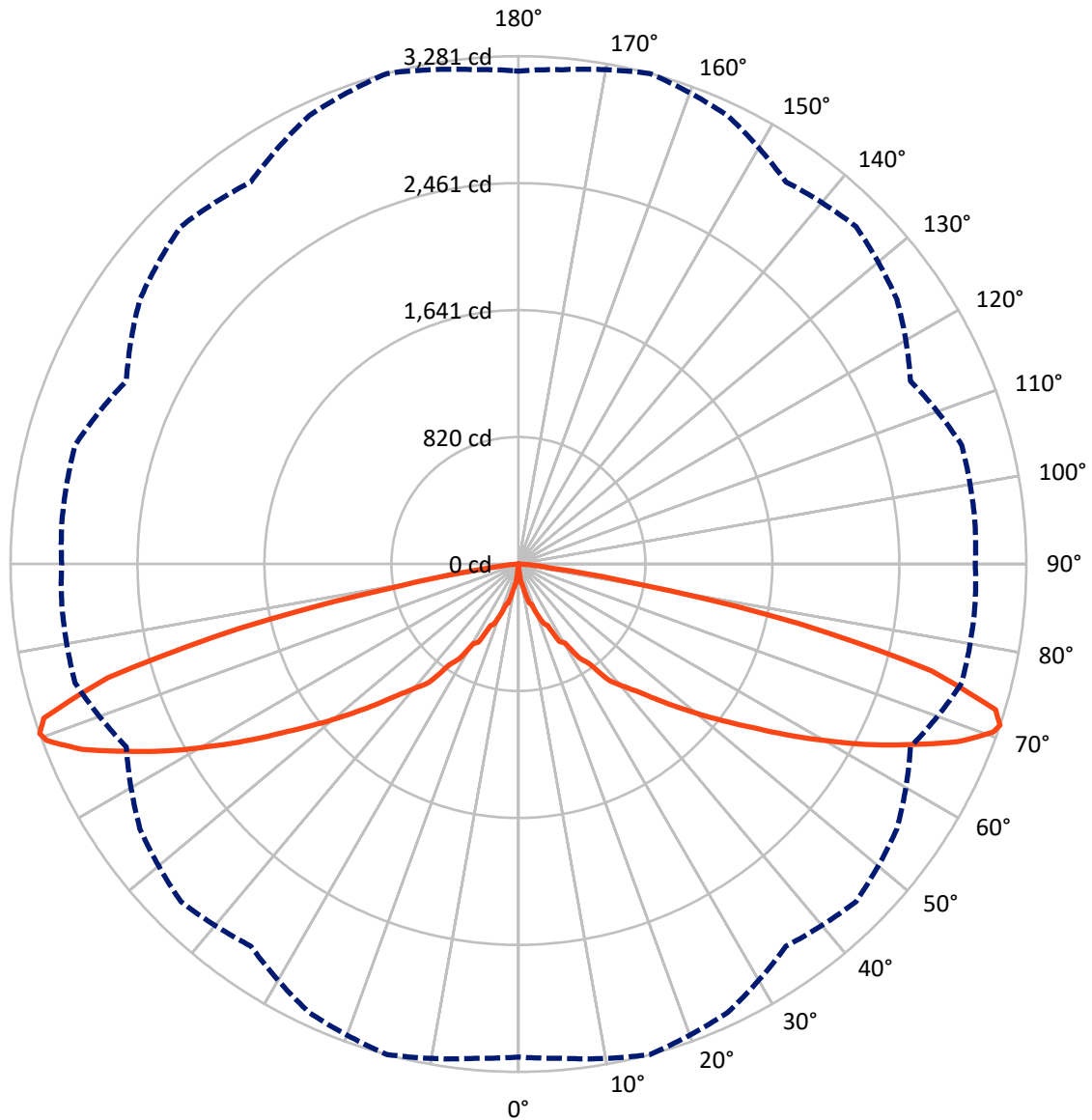
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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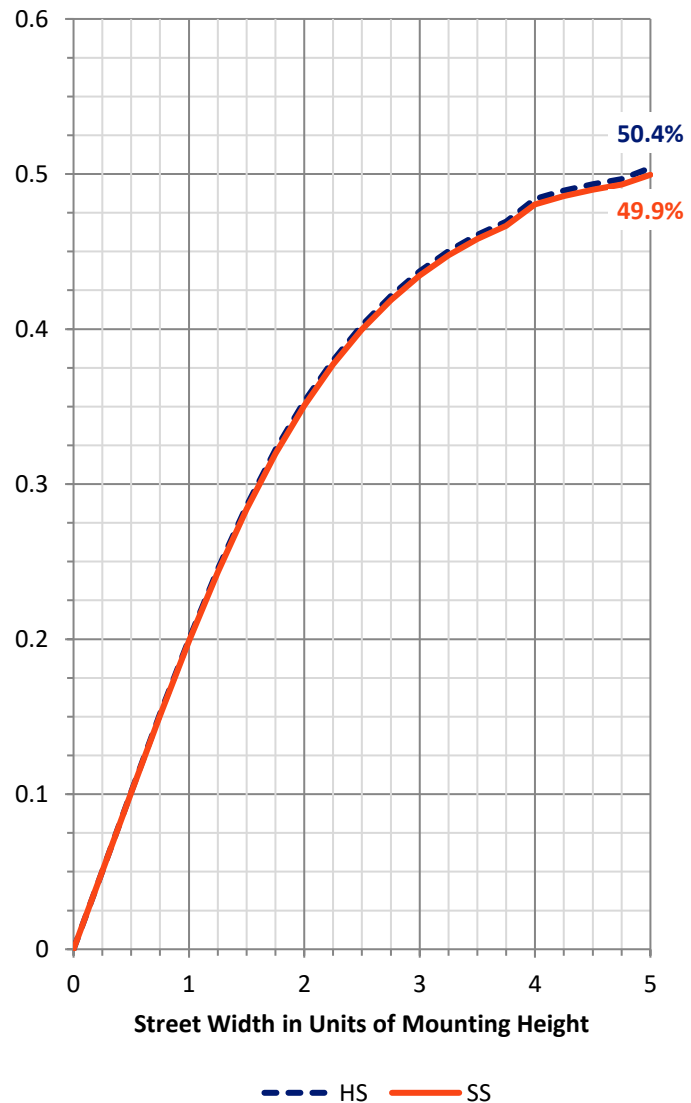
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4447.0	0.0	4447.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4447.0	0.0	4447.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8894.0	0.0	8894.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	59.0	0.7
20°-30°	222.8	2.5
30°-40°	504.5	5.7
40°-50°	901.6	10.1
50°-60°	1586.7	17.8
60°-70°	2624.8	29.5
70°-80°	2654.4	29.8
80°-90°	336.3	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°	8894.0	100.0
0°-180°	8894.0	100.0



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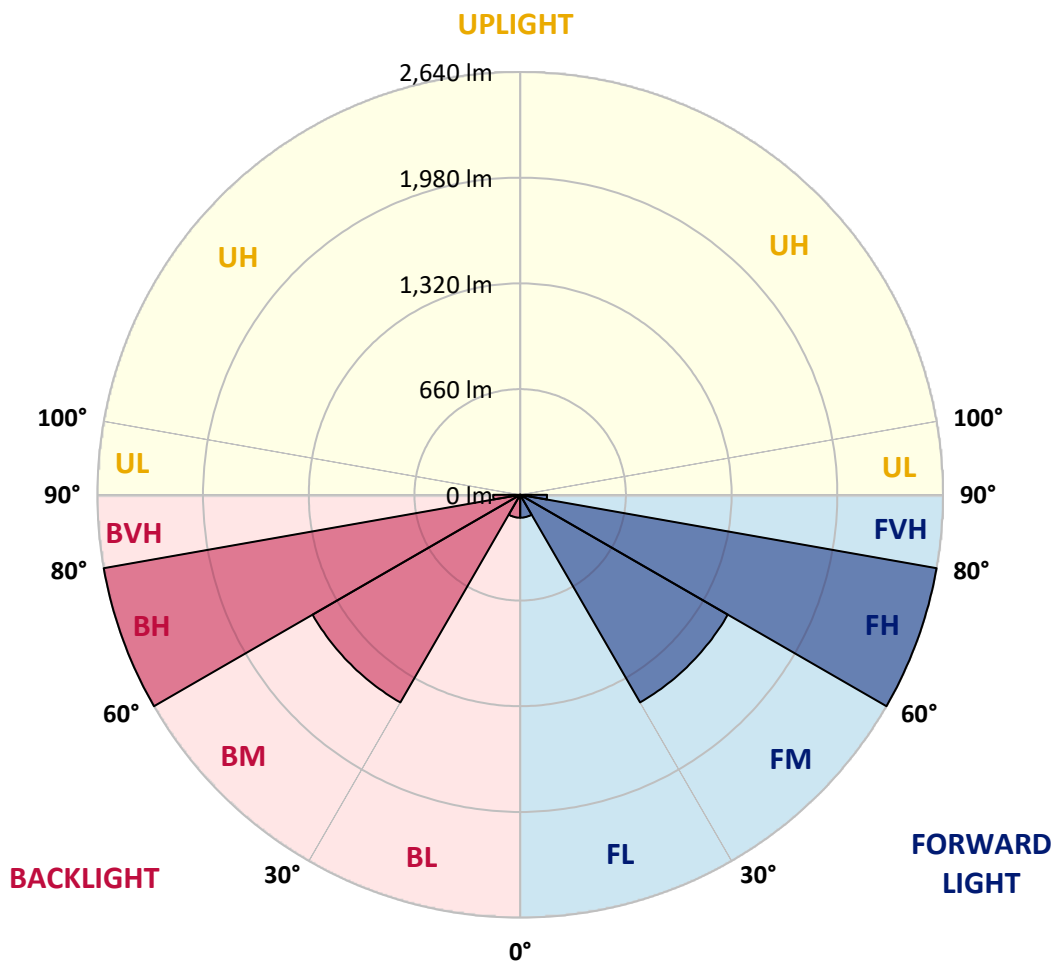
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.9	1.6			
FM	(30°-60°)	1496.4	16.8			
FH	(60°-80°)	2639.6	29.7			G2/5000
FVH	(80°-90°)	168.1	1.9			G2/225
BL	(0°-30°)	142.9	1.6	B1/500		
BM	(30°-60°)	1496.4	16.8	B2/2500		
BH	(60°-80°)	2639.6	29.7	B4/5000		G2/5000
BVH	(80°-90°)	168.1	1.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
5°	54.8	39.3	19.2	15.5	11.0	3.7	1.8	1.8	1.8	0.9	0.9
7.5°	123.3	122.3	120.5	105.0	74.0	54.8	11.9	2.7	1.8	1.8	1.8
10°	137.0	136.0	135.1	132.4	128.7	116.9	61.2	11.9	4.6	5.5	5.5
12.5°	197.2	196.3	188.1	146.1	133.3	130.6	110.5	56.6	48.4	91.3	96.8
15°	269.3	268.4	259.3	222.8	190.8	140.6	182.6	202.7	180.8	200.0	200.0
17.5°	285.8	283.0	273.9	264.8	252.0	244.7	269.3	259.3	200.9	214.6	214.6
20°	384.4	365.2	347.0	294.9	273.0	357.9	290.3	283.0	317.7	375.3	385.3
22.5°	426.4	425.5	416.3	392.6	388.0	375.3	361.6	411.8	420.0	427.3	430.0
25°	502.2	496.7	440.1	420.9	482.1	410.9	487.6	445.6	460.2	527.7	535.0
27.5°	579.8	578.0	566.1	504.9	504.9	546.0	513.1	538.7	613.6	640.0	650.1
30°	648.3	613.6	591.6	601.7	559.7	585.3	587.1	630.9	649.2	683.0	692.1
32.5°	761.5	758.7	723.1	655.6	657.4	620.0	671.1	667.4	816.3	892.9	913.0
35°	844.6	850.9	790.7	764.2	702.1	738.6	717.6	811.7	860.1	947.7	960.5
37.5°	1008.0	1007.1	957.8	826.3	781.6	780.6	819.0	853.7	926.7	1007.1	1015.3
40°	1078.3	1076.5	1035.4	957.8	842.7	850.9	872.9	904.8	986.1	1077.4	1081.9
42.5°	1176.0	1166.9	1124.9	1021.7	959.6	943.2	948.6	987.9	1065.5	1174.2	1169.6
45°	1274.6	1277.3	1240.8	1123.0	1061.9	1028.1	1038.1	1090.2	1176.9	1284.6	1283.7
47.5°	1394.2	1397.9	1380.5	1233.5	1179.6	1133.1	1152.3	1204.3	1299.2	1404.2	1402.4
50°	1542.1	1541.2	1529.3	1368.6	1312.9	1267.3	1281.9	1325.7	1426.2	1530.2	1541.2
52.5°	1692.8	1696.4	1694.6	1532.1	1470.9	1427.1	1440.8	1481.9	1579.6	1683.6	1692.8
55°	1862.6	1879.9	1878.1	1743.0	1647.1	1635.2	1643.5	1652.6	1760.3	1861.7	1863.5
57.5°	2072.6	2080.8	2097.2	1981.3	1873.5	1867.2	1851.6	1848.0	1953.9	2037.9	2025.1
60°	2290.8	2299.0	2325.5	2250.6	2131.9	2144.7	2093.6	2037.9	2139.2	2206.8	2199.5
62.5°	2499.9	2519.1	2571.1	2510.8	2401.3	2440.5	2342.8	2248.8	2342.8	2398.5	2387.6
65°	2724.5	2748.2	2809.4	2785.7	2629.5	2712.6	2608.5	2451.5	2579.3	2606.7	2608.5
67.5°	2971.9	2991.1	3064.1	3021.2	2827.7	2917.1	2831.3	2650.5	2791.1	2781.1	2771.1
70°	3162.8	3186.5	3254.1	3164.6	2971.9	3046.8	2961.9	2776.5	2940.0	2945.5	2937.2
71°	3185.6	3205.7	3281.4	3197.4	3013.9	3084.2	2984.7	2795.7	2965.5	2961.9	2951.8
72.5°	3109.8	3134.5	3223.9	3170.1	3046.8	3130.8	2983.8	2764.7	2929.0	2895.2	2881.5
75°	2634.1	2646.9	2756.5	2855.1	2928.1	3110.7	2817.6	2520.9	2630.5	2578.4	2572.0
77.5°	1600.6	1633.4	1852.5	2154.8	2507.2	2800.3	2451.5	2038.8	1995.9	1841.6	1781.3
80°	552.4	609.9	783.4	1102.0	1686.4	2163.9	1728.4	1246.3	932.2	702.1	649.2
82.5°	92.2	134.2	203.6	345.1	757.8	1229.9	853.7	411.8	267.5	187.2	180.8
85°	31.0	36.5	77.6	95.9	177.1	338.7	199.0	114.1	98.6	63.0	58.4
87.5°	4.6	6.4	10.0	11.0	15.5	9.1	16.4	17.3	13.7	9.1	5.5
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)