

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: P416897

Luminaire Tested: **LXF.LXT-PA1-80-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416897
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-PA1-80-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7161 lumens
Efficiency: N/A
Efficacy: 86.3 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

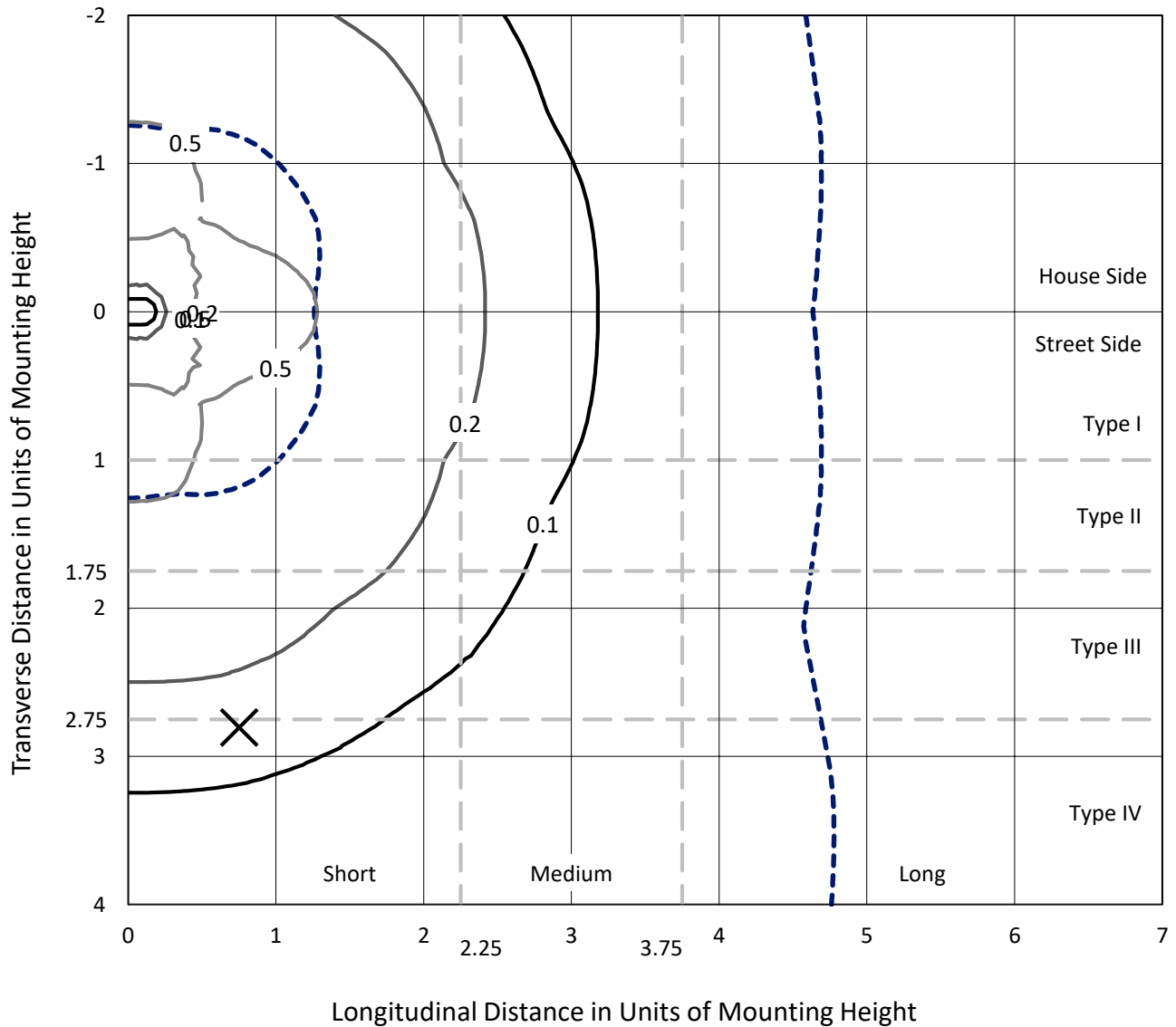
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

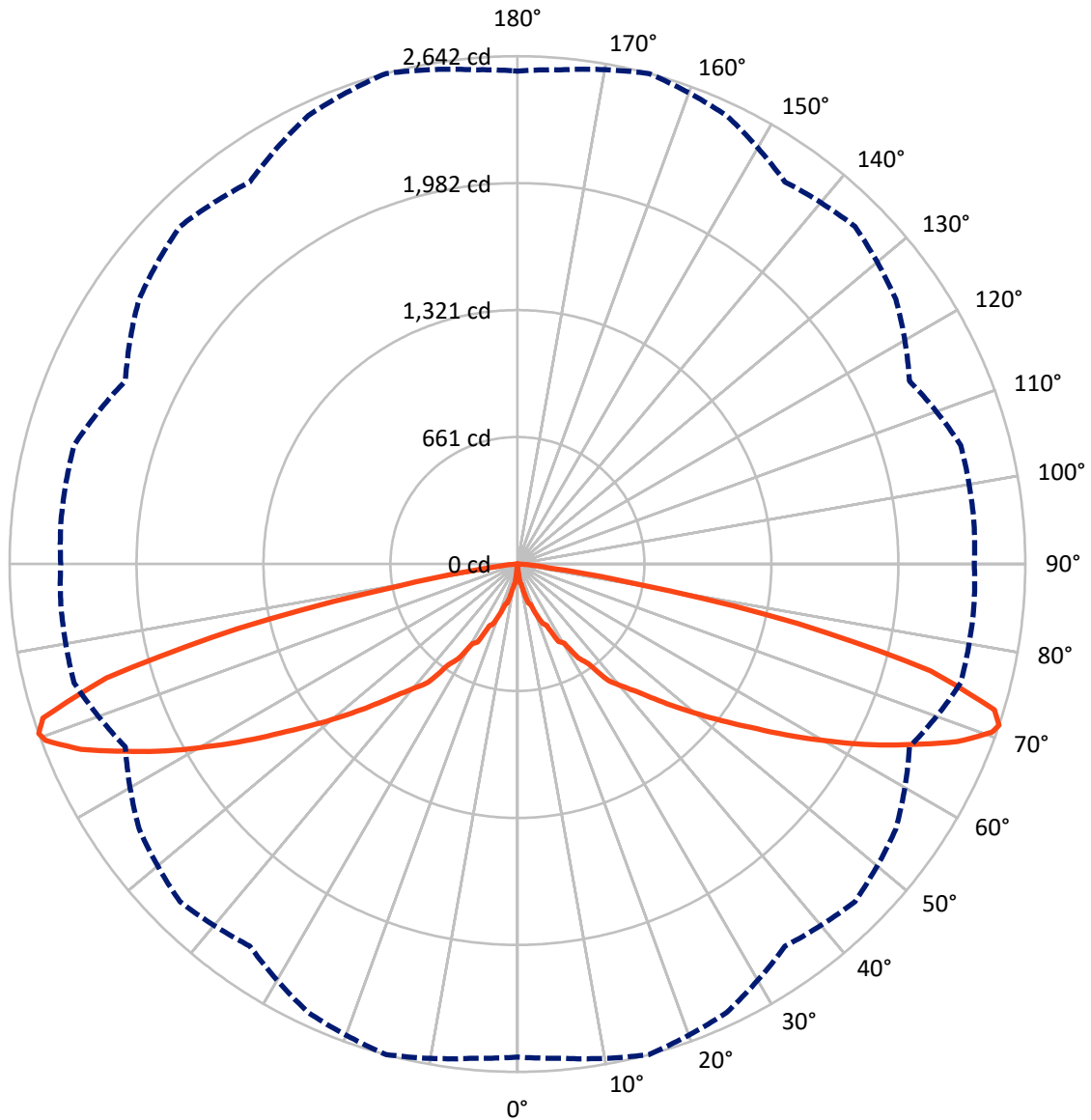
✕ Max cd
 - - - 1/2 Max cd



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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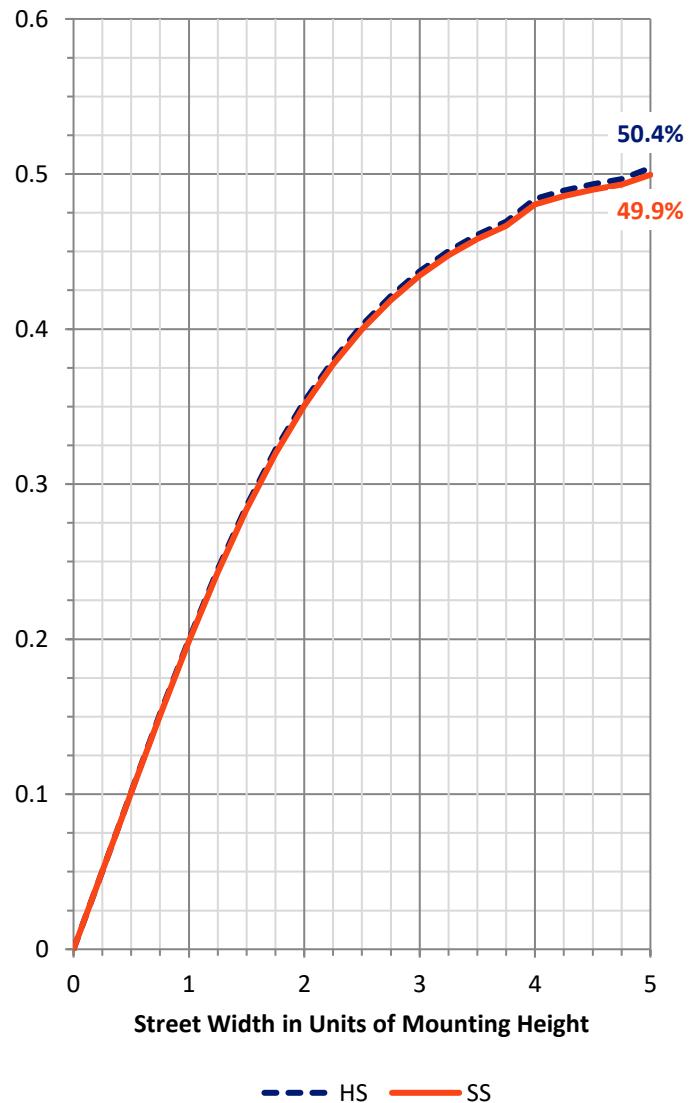
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3580.5	0.0	3580.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3580.5	0.0	3580.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7161.0	0.0	7161.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	47.5	0.7
20°-30°	179.4	2.5
30°-40°	406.2	5.7
40°-50°	725.9	10.1
50°-60°	1277.5	17.8
60°-70°	2113.3	29.5
70°-80°	2137.2	29.8
80°-90°	270.8	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°	7161.0	100.0
0°-180°	7161.0	100.0



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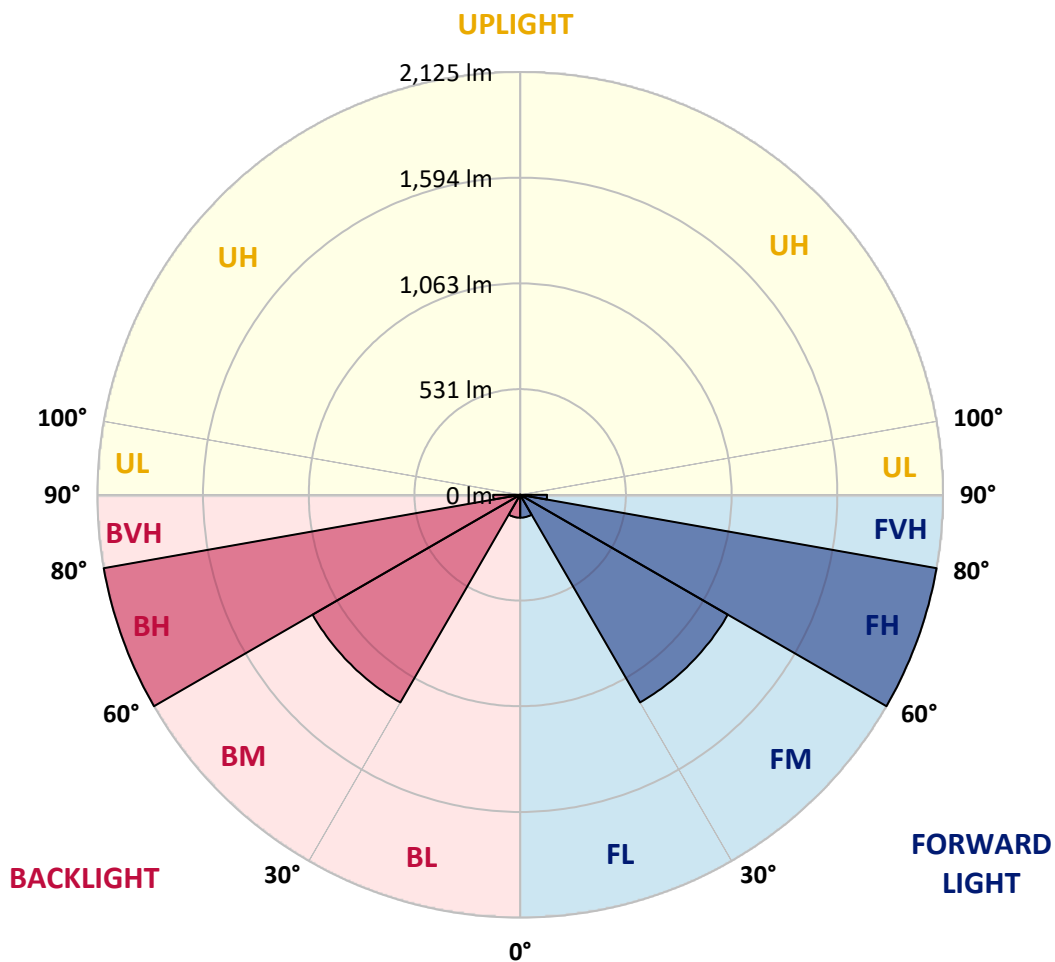
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.0	1.6			
FM	(30°-60°)	1204.8	16.8			
FH	(60°-80°)	2125.3	29.7			G2/5000
FVH	(80°-90°)	135.4	1.9			G2/225
BL	(0°-30°)	115.0	1.6	B1/500		
BM	(30°-60°)	1204.8	16.8	B2/2500		
BH	(60°-80°)	2125.3	29.7	B3/2500		G2/5000
BVH	(80°-90°)	135.4	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°	44.1	31.6	15.4	12.5	8.8	2.9	1.5	1.5	1.5	0.7	0.7
7.5°	99.2	98.5	97.0	84.5	59.5	44.1	9.6	2.2	1.5	1.5	1.5
10°	110.3	109.5	108.8	106.6	103.7	94.1	49.3	9.6	3.7	4.4	4.4
12.5°	158.8	158.1	151.4	117.6	107.3	105.1	89.0	45.6	39.0	73.5	77.9
15°	216.9	216.1	208.8	179.4	153.6	113.2	147.0	163.2	145.6	161.0	161.0
17.5°	230.1	227.9	220.5	213.2	202.9	197.0	216.9	208.8	161.7	172.8	172.8
20°	309.5	294.1	279.3	237.4	219.8	288.2	233.8	227.9	255.8	302.1	310.2
22.5°	343.3	342.6	335.2	316.1	312.4	302.1	291.1	331.5	338.2	344.0	346.2
25°	404.3	399.9	354.3	338.9	388.1	330.8	392.6	358.7	370.5	424.9	430.8
27.5°	466.8	465.3	455.8	406.5	406.5	439.6	413.1	433.7	494.0	515.3	523.4
30°	521.9	494.0	476.4	484.5	450.6	471.2	472.7	508.0	522.7	549.9	557.2
32.5°	613.1	610.9	582.2	527.8	529.3	499.2	540.3	537.4	657.2	719.0	735.1
35°	680.0	685.1	636.6	615.3	565.3	594.7	577.8	653.5	692.5	763.1	773.4
37.5°	811.6	810.8	771.2	665.3	629.3	628.5	659.4	687.3	746.2	810.8	817.5
40°	868.2	866.7	833.6	771.2	678.5	685.1	702.8	728.5	793.9	867.5	871.1
42.5°	946.8	939.5	905.7	822.6	772.6	759.4	763.8	795.4	857.9	945.4	941.7
45°	1026.2	1028.4	999.0	904.2	855.0	827.8	835.8	877.7	947.6	1034.3	1033.6
47.5°	1122.5	1125.5	1111.5	993.2	949.8	912.3	927.7	969.6	1046.1	1130.6	1129.2
50°	1241.6	1240.9	1231.3	1102.0	1057.1	1020.4	1032.1	1067.4	1148.3	1232.1	1240.9
52.5°	1362.9	1365.9	1364.4	1233.5	1184.3	1149.0	1160.0	1193.1	1271.8	1355.6	1362.9
55°	1499.7	1513.6	1512.2	1403.4	1326.2	1316.6	1323.2	1330.6	1417.3	1498.9	1500.4
57.5°	1668.7	1675.4	1688.6	1595.2	1508.5	1503.3	1490.8	1487.9	1573.2	1640.8	1630.5
60°	1844.4	1851.1	1872.4	1812.1	1716.5	1726.8	1685.7	1640.8	1722.4	1776.8	1770.9
62.5°	2012.8	2028.2	2070.1	2021.6	1933.4	1965.0	1886.3	1810.6	1886.3	1931.2	1922.4
65°	2193.6	2212.7	2262.0	2242.9	2117.2	2184.1	2100.3	1973.8	2076.7	2098.8	2100.3
67.5°	2392.8	2408.3	2467.1	2432.5	2276.7	2348.7	2279.6	2134.1	2247.3	2239.2	2231.1
70°	2546.5	2565.6	2620.0	2548.0	2392.8	2453.1	2384.8	2235.5	2367.1	2371.5	2364.9
71°	2564.9	2581.0	2642.1	2574.4	2426.7	2483.3	2403.1	2251.0	2387.7	2384.8	2376.7
72.5°	2503.9	2523.7	2595.7	2552.4	2453.1	2520.8	2402.4	2226.0	2358.3	2331.1	2320.1
75°	2120.8	2131.1	2219.4	2298.8	2357.6	2504.6	2268.6	2029.7	2117.9	2076.0	2070.9
77.5°	1288.7	1315.1	1491.6	1734.9	2018.7	2254.6	1973.8	1641.5	1607.0	1482.8	1434.2
80°	444.8	491.1	630.7	887.3	1357.8	1742.3	1391.6	1003.5	750.6	565.3	522.7
82.5°	74.2	108.1	163.9	277.9	610.2	990.2	687.3	331.5	215.4	150.7	145.6
85°	25.0	29.4	62.5	77.2	142.6	272.7	160.3	91.9	79.4	50.7	47.0
87.5°	3.7	5.1	8.1	8.8	12.5	7.4	13.2	14.0	11.0	7.4	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)