

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: P415389

Luminaire Tested: **LXF.LXT-PA1-50-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415389
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-PA1-50-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5752 lumens
Efficiency: N/A
Efficacy: 106.5 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

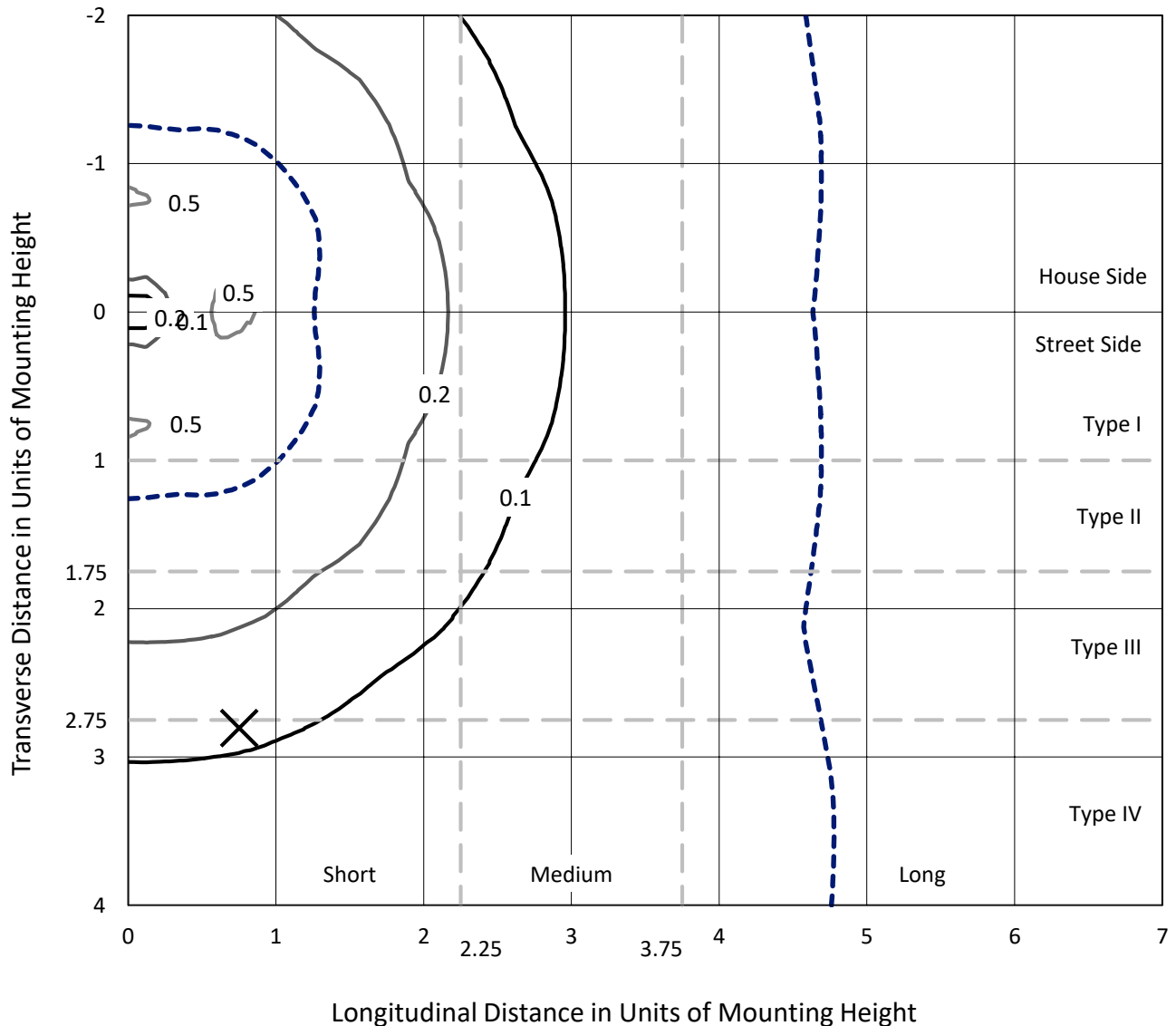
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

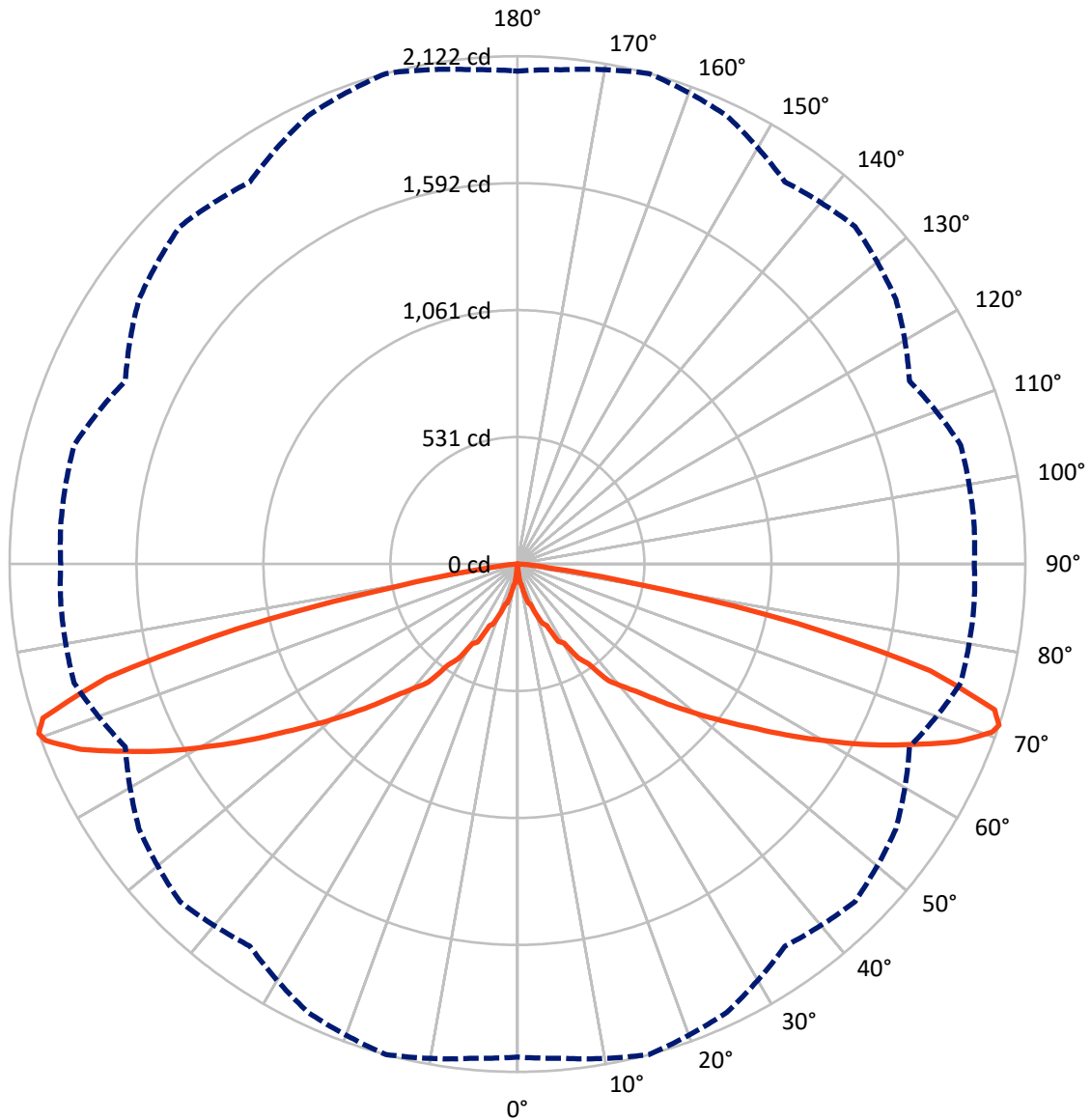
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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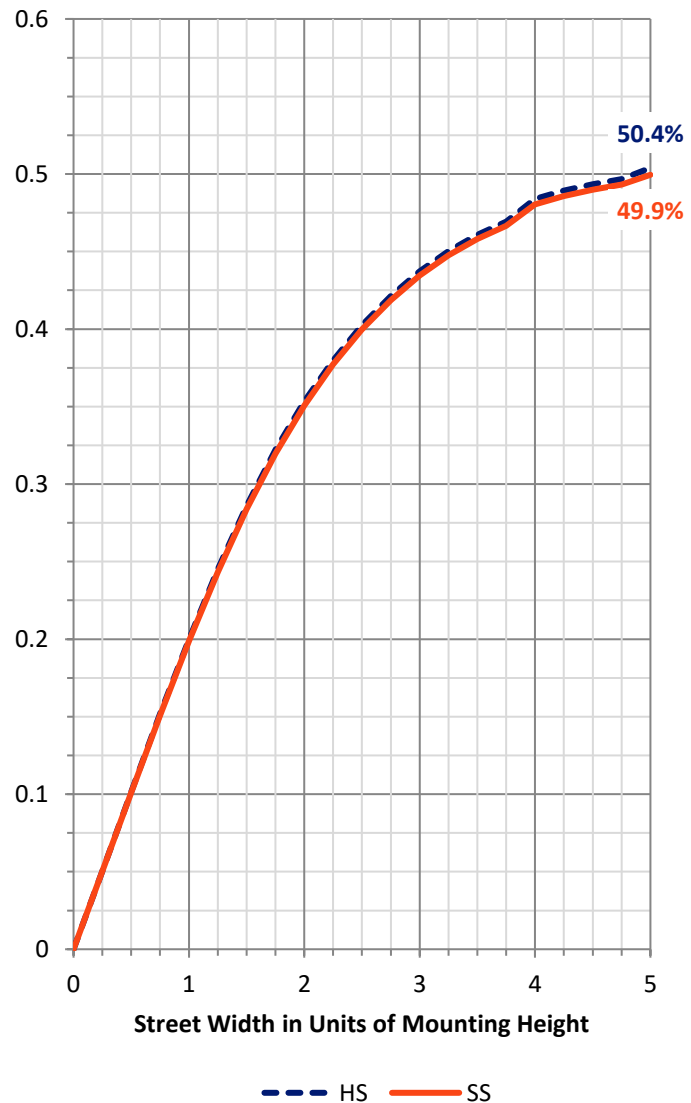
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2876.0	0.0	2876.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2876.0	0.0	2876.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5752.0	0.0	5752.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	38.2	0.7
20°-30°	144.1	2.5
30°-40°	326.3	5.7
40°-50°	583.1	10.1
50°-60°	1026.2	17.8
60°-70°	1697.5	29.5
70°-80°	1716.7	29.8
80°-90°	217.5	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°	5752.0	100.0
0°-180°	5752.0	100.0



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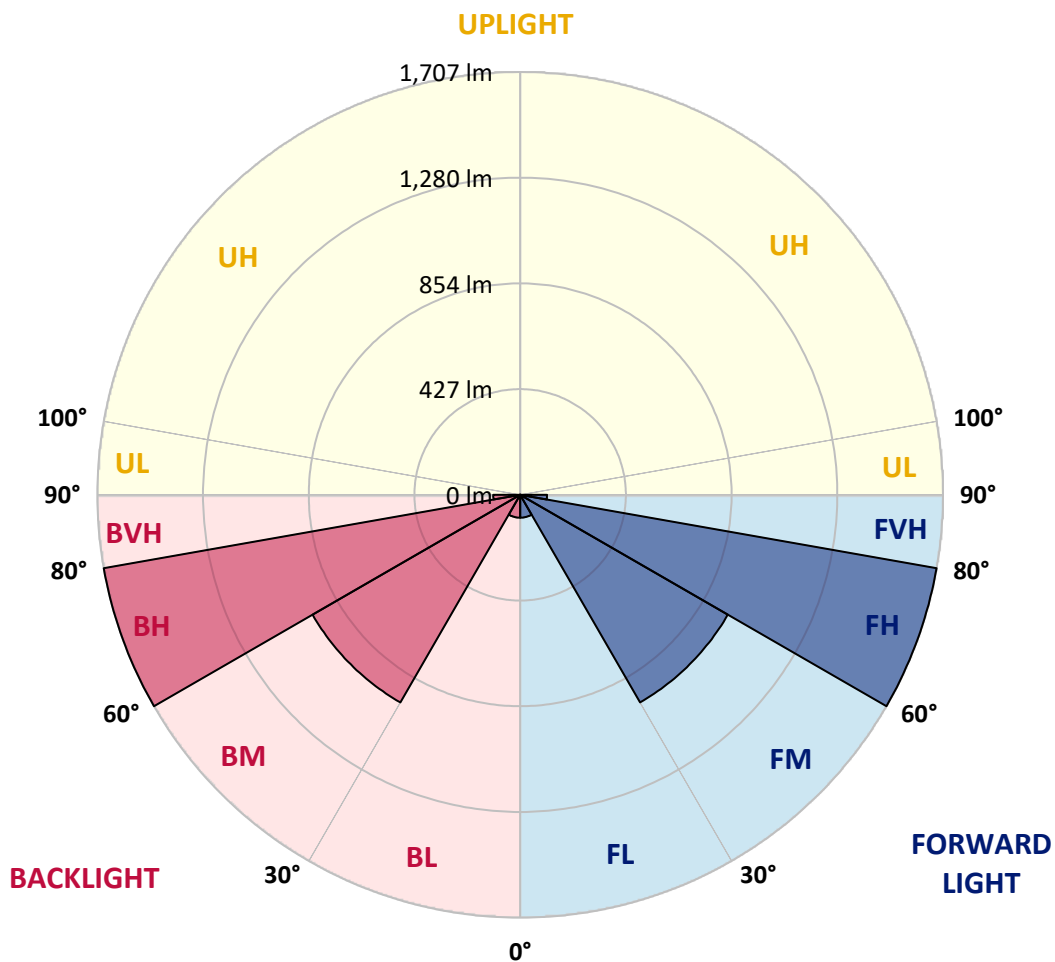
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.4	1.6			
FM (30°-60°)	967.8	16.8			
FH (60°-80°)	1707.1	29.7			G1/1800
FVH (80°-90°)	108.7	1.9			G2/225
BL (0°-30°)	92.4	1.6	B0/110		
BM (30°-60°)	967.8	16.8	B1/1000		
BH (60°-80°)	1707.1	29.7	B3/2500		G1/1800
BVH (80°-90°)	108.7	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
5°	35.4	25.4	12.4	10.0	7.1	2.4	1.2	1.2	1.2	0.6	0.6
7.5°	79.7	79.1	77.9	67.9	47.8	35.4	7.7	1.8	1.2	1.2	1.2
10°	88.6	88.0	87.4	85.6	83.3	75.6	39.6	7.7	3.0	3.5	3.5
12.5°	127.5	127.0	121.6	94.5	86.2	84.4	71.4	36.6	31.3	59.0	62.6
15°	174.2	173.6	167.7	144.1	123.4	90.9	118.1	131.1	116.9	129.3	129.3
17.5°	184.8	183.1	177.1	171.2	163.0	158.3	174.2	167.7	129.9	138.8	138.8
20°	248.6	236.2	224.4	190.7	176.6	231.5	187.8	183.1	205.5	242.7	249.2
22.5°	275.8	275.2	269.3	253.9	251.0	242.7	233.8	266.3	271.6	276.3	278.1
25°	324.8	321.2	284.6	272.2	311.8	265.7	315.3	288.2	297.6	341.3	346.0
27.5°	375.0	373.8	366.1	326.5	326.5	353.1	331.9	348.4	396.8	413.9	420.4
30°	419.2	396.8	382.6	389.1	362.0	378.5	379.7	408.0	419.8	441.7	447.6
32.5°	492.5	490.7	467.7	424.0	425.1	400.9	434.0	431.6	527.9	577.5	590.5
35°	546.2	550.3	511.4	494.2	454.1	477.7	464.1	524.9	556.2	612.9	621.2
37.5°	651.9	651.3	619.4	534.4	505.5	504.9	529.7	552.1	599.3	651.3	656.6
40°	697.4	696.2	669.6	619.4	545.0	550.3	564.5	585.2	637.7	696.8	699.7
42.5°	760.5	754.6	727.5	660.8	620.6	610.0	613.5	638.9	689.1	759.4	756.4
45°	824.3	826.1	802.5	726.3	686.7	664.9	671.4	705.0	761.1	830.8	830.2
47.5°	901.7	904.0	892.8	797.7	762.9	732.8	745.2	778.9	840.3	908.2	907.0
50°	997.3	996.7	989.1	885.1	849.1	819.6	829.0	857.4	922.3	989.7	996.7
52.5°	1094.8	1097.1	1095.9	990.8	951.3	922.9	931.8	958.4	1021.5	1088.9	1094.8
55°	1204.6	1215.8	1214.6	1127.2	1065.2	1057.6	1062.9	1068.8	1138.5	1204.0	1205.2
57.5°	1340.4	1345.7	1356.3	1281.4	1211.7	1207.5	1197.5	1195.1	1263.6	1318.0	1309.7
60°	1481.5	1486.8	1504.0	1455.5	1378.8	1387.1	1354.0	1318.0	1383.5	1427.2	1422.5
62.5°	1616.7	1629.1	1662.8	1623.8	1553.0	1578.4	1515.2	1454.4	1515.2	1551.2	1544.1
65°	1762.0	1777.4	1816.9	1801.6	1700.6	1754.3	1687.0	1585.5	1668.1	1685.8	1687.0
67.5°	1922.0	1934.4	1981.7	1953.9	1828.7	1886.6	1831.1	1714.2	1805.1	1798.6	1792.1
70°	2045.4	2060.8	2104.5	2046.6	1922.0	1970.5	1915.5	1795.7	1901.4	1904.9	1899.6
71°	2060.2	2073.2	2122.2	2067.9	1949.2	1994.7	1930.3	1808.1	1917.9	1915.5	1909.0
72.5°	2011.2	2027.1	2085.0	2050.2	1970.5	2024.8	1929.7	1788.0	1894.3	1872.4	1863.6
75°	1703.6	1711.8	1782.7	1846.4	1893.7	2011.8	1822.2	1630.3	1701.2	1667.5	1663.4
77.5°	1035.1	1056.4	1198.1	1393.5	1621.5	1811.0	1585.5	1318.6	1290.8	1191.0	1152.0
80°	357.2	394.4	506.6	712.7	1090.6	1399.5	1117.8	806.0	602.9	454.1	419.8
82.5°	59.6	86.8	131.7	223.2	490.1	795.4	552.1	266.3	173.0	121.0	116.9
85°	20.1	23.6	50.2	62.0	114.6	219.1	128.7	73.8	63.8	40.7	37.8
87.5°	3.0	4.1	6.5	7.1	10.0	5.9	10.6	11.2	8.9	5.9	3.5
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)