

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: P253764

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-9-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5779.8 lumens
Efficiency: N/A
Efficacy: 107.0 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

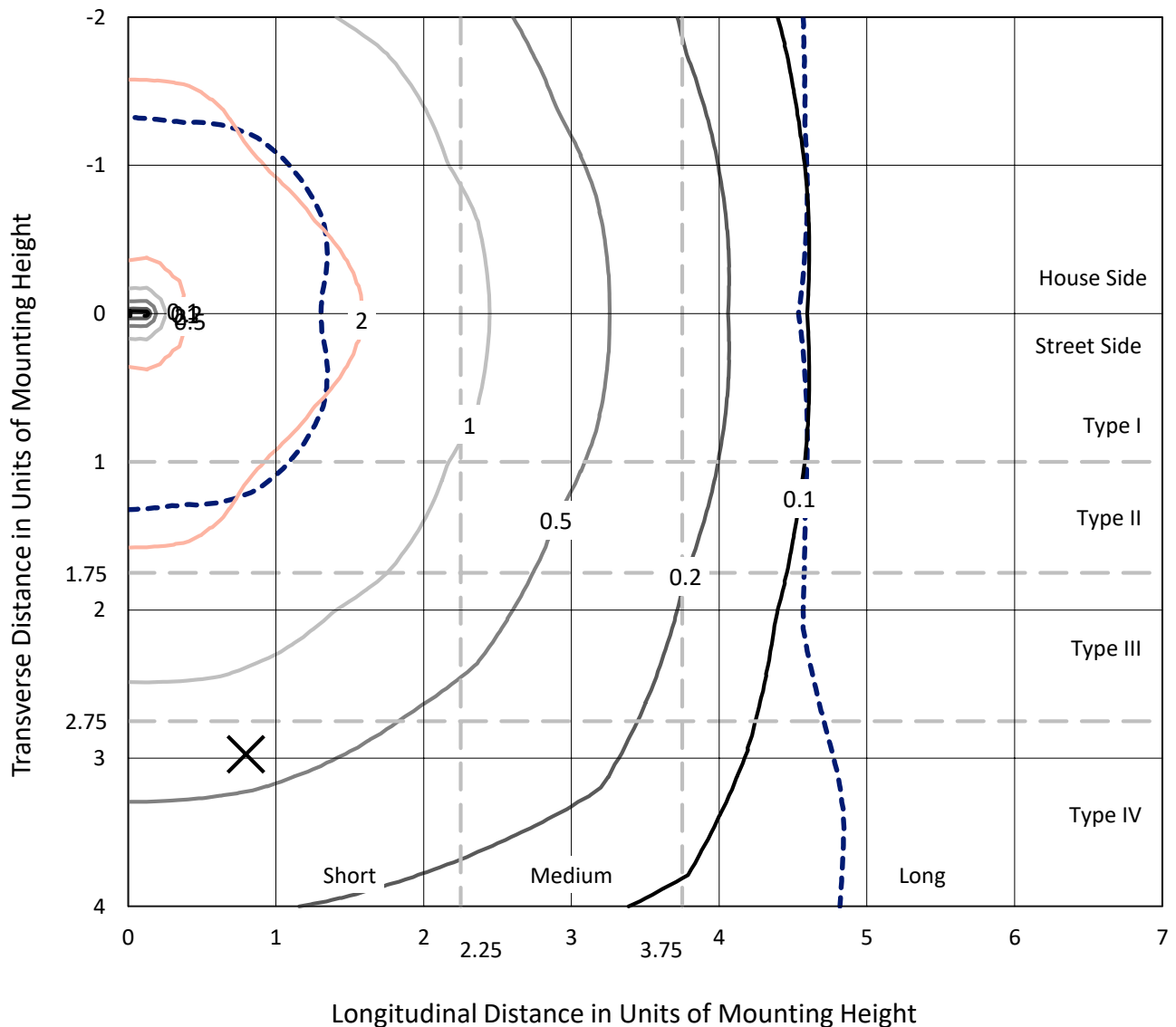


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

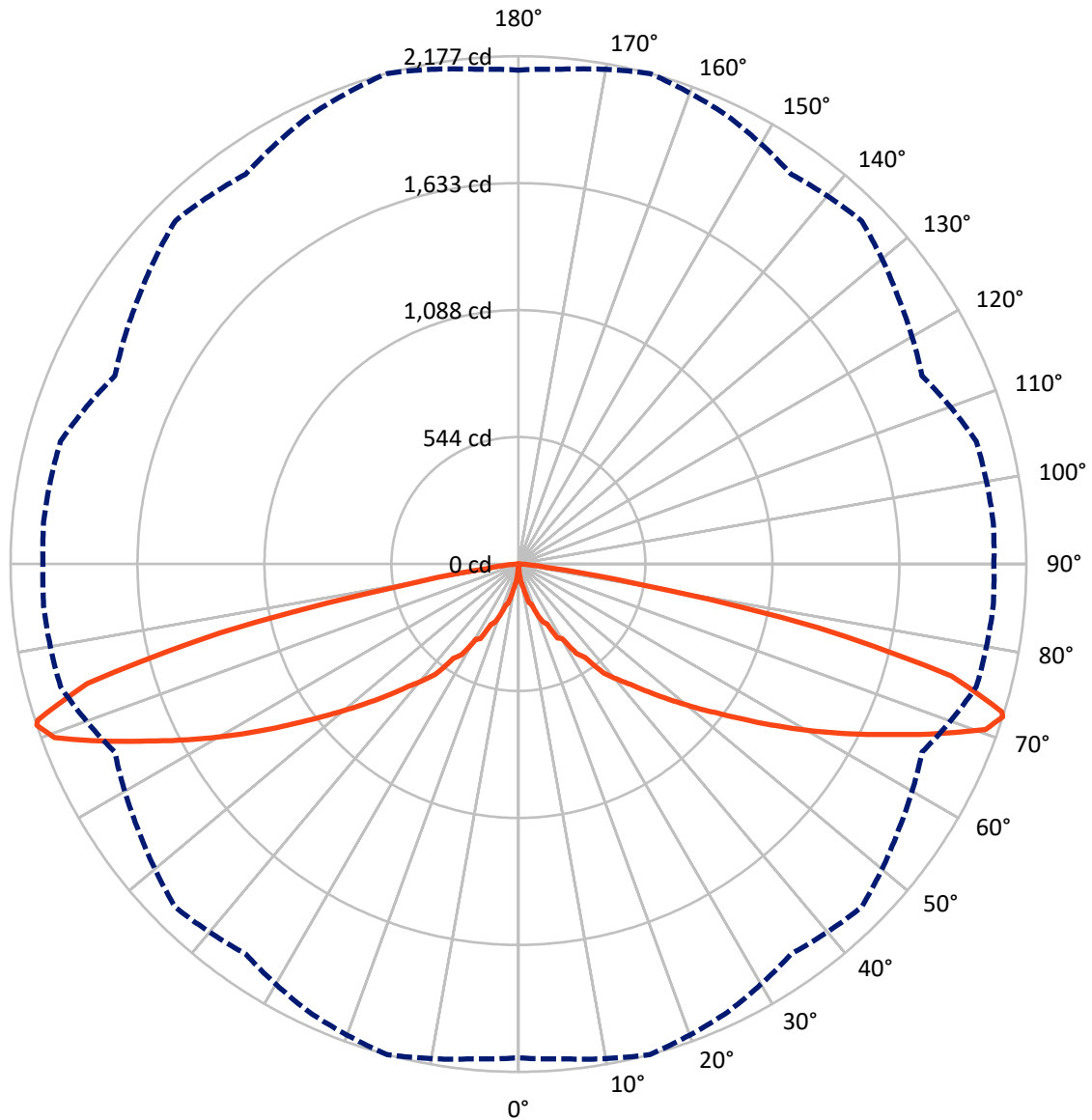


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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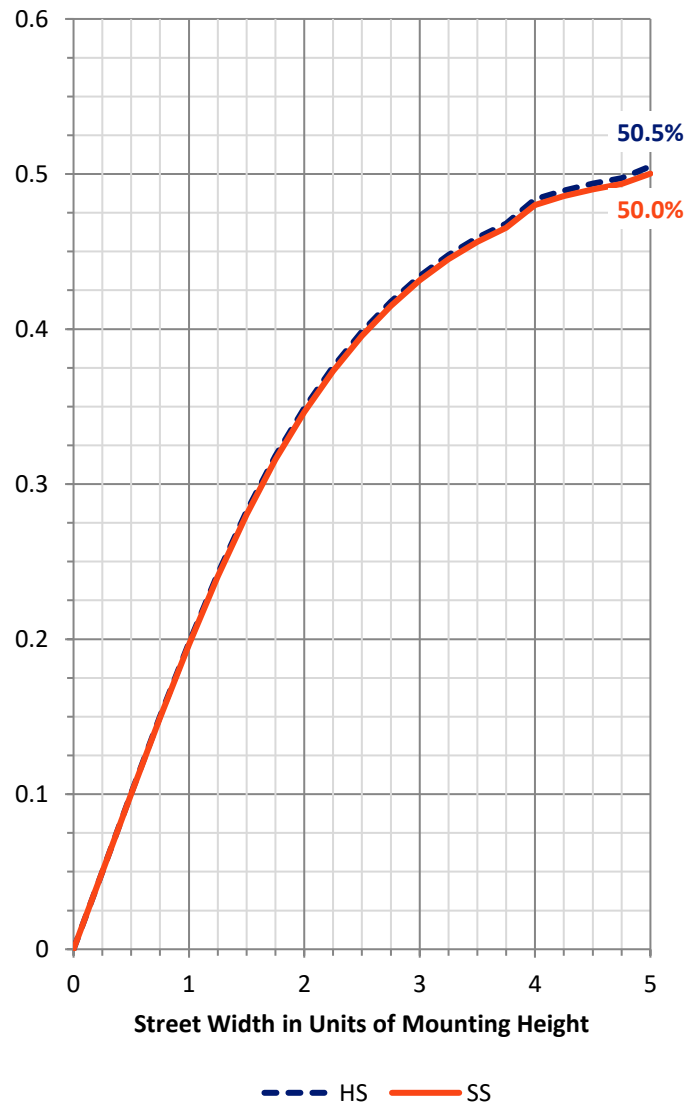
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.9	0.0	2889.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2889.9	0.0	2889.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5779.8	0.0	5779.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.0
10°-20°	39.2	0.7
20°-30°	143.5	2.5
30°-40°	316.6	5.5
40°-50°	567.5	9.8
50°-60°	1003.4	17.4
60°-70°	1687.6	29.2
70°-80°	1807.0	31.3
80°-90°	212.3	3.7
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°	5779.8	100.0
0°-180°	5779.8	100.0



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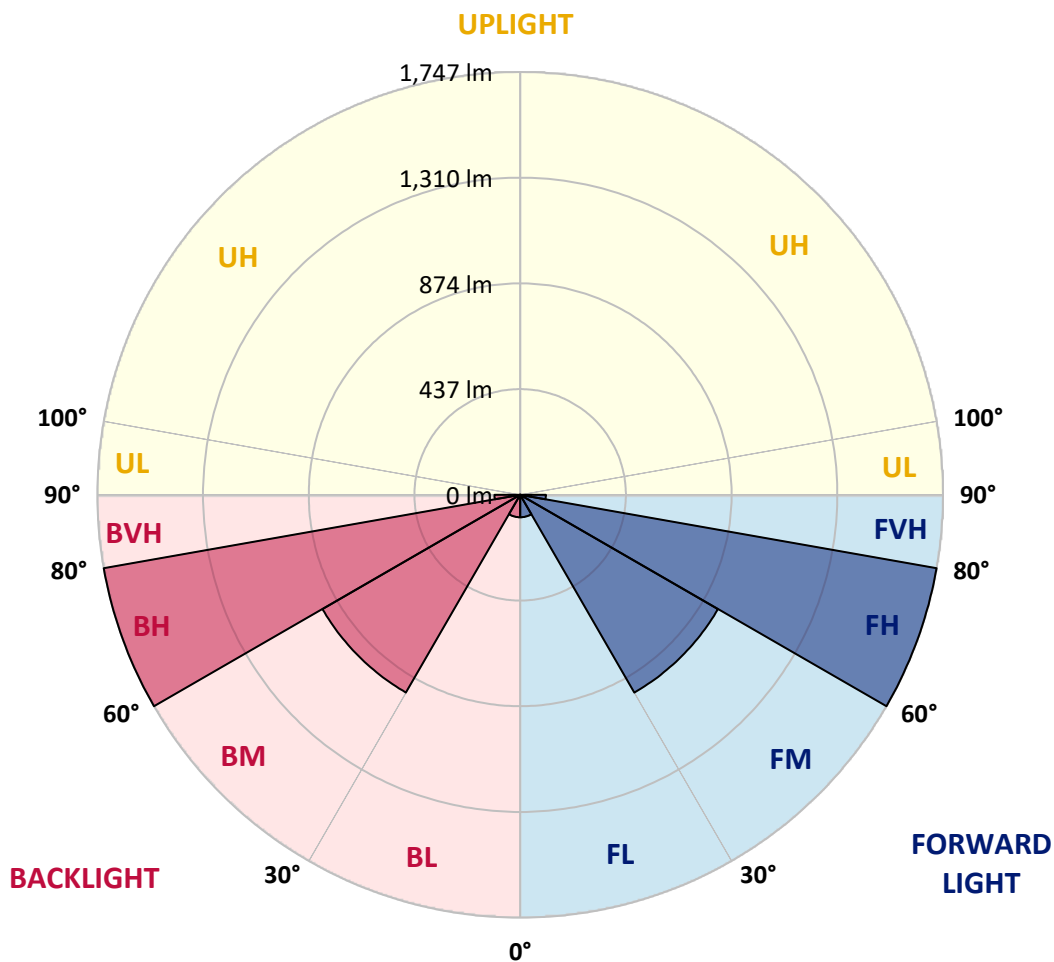
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.7	1.6			
FM (30°-60°)	943.7	16.3			
FH (60°-80°)	1747.3	30.2			G1/1800
FVH (80°-90°)	106.2	1.8			G2/225
BL (0°-30°)	92.7	1.6	B0/110		
BM (30°-60°)	943.7	16.3	B1/1000		
BH (60°-80°)	1747.3	30.2	B3/2500		G1/1800
BVH (80°-90°)	106.2	1.8			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	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2
5°	36.3	35.6	26.9	12.6	10.1	4.4	1.8	1.2	1.2	1.2	1.2
7.5°	83.1	81.3	79.4	67.5	51.9	36.9	10.6	2.5	1.8	1.2	1.2
10°	90.6	90.6	89.5	87.6	85.1	76.9	43.1	10.1	4.4	3.8	3.8
12.5°	131.9	131.3	125.1	97.6	88.8	87.0	72.5	38.8	25.6	52.6	62.6
15°	180.2	178.8	173.2	156.3	127.7	94.5	113.8	140.1	121.4	129.5	130.1
17.5°	190.7	188.9	182.0	175.8	165.2	158.9	177.6	170.8	135.2	137.0	137.6
20°	245.9	249.5	229.6	198.3	182.0	237.7	195.8	187.7	222.2	246.5	254.0
22.5°	277.1	275.9	269.7	254.6	265.3	246.5	239.0	269.0	269.7	273.3	274.6
25°	322.2	320.9	284.6	270.9	311.5	269.7	314.6	286.5	294.0	315.9	334.7
27.5°	368.4	366.6	359.0	322.2	321.6	354.6	328.5	354.1	392.2	406.0	413.4
30°	411.6	402.2	370.9	381.0	354.6	373.4	379.1	398.5	407.9	430.4	434.8
32.5°	475.4	473.5	457.2	410.4	419.1	395.9	422.3	420.3	516.7	558.7	572.4
35°	543.0	524.2	490.5	473.5	447.9	467.3	439.8	508.6	539.8	590.5	598.6
37.5°	631.8	630.5	593.6	517.4	494.8	491.0	517.4	533.6	574.9	626.2	633.0
40°	679.4	679.4	648.1	588.1	539.2	534.9	549.9	572.4	616.8	671.8	677.5
42.5°	737.0	737.0	705.6	641.3	611.8	588.1	591.7	618.6	666.3	730.6	738.1
45°	804.4	804.4	782.6	698.1	671.8	645.6	658.8	684.9	740.7	804.4	813.9
47.5°	885.8	883.3	865.8	771.9	745.0	713.8	731.9	760.0	818.3	885.8	892.6
50°	972.7	970.9	958.3	860.8	821.3	799.4	816.3	838.9	905.2	975.9	983.4
52.5°	1064.7	1064.0	1059.0	968.4	916.4	899.5	914.0	935.8	1001.0	1077.2	1084.1
55°	1175.4	1178.6	1175.4	1099.1	1036.6	1028.4	1034.6	1049.1	1113.0	1186.0	1190.4
57.5°	1296.8	1298.6	1309.9	1257.3	1188.5	1175.4	1179.1	1189.2	1239.2	1299.3	1303.7
60°	1426.3	1431.3	1453.1	1415.0	1357.4	1358.7	1347.5	1321.2	1374.9	1417.5	1416.9
62.5°	1556.4	1562.0	1603.3	1572.0	1530.0	1553.2	1521.3	1455.0	1516.9	1546.3	1540.8
65°	1699.0	1712.7	1761.6	1749.7	1687.7	1737.8	1688.4	1599.5	1684.0	1685.9	1685.9
67.5°	1877.3	1890.4	1940.5	1918.6	1826.6	1884.1	1827.3	1746.0	1830.9	1821.1	1825.9
70°	2071.9	2085.0	2123.8	2050.6	1949.8	1998.7	1936.1	1854.1	1976.7	1994.3	1989.9
72°	2116.9	2128.8	2176.9	2119.9	2039.4	2080.0	1988.6	1908.5	2031.7	2043.0	2038.0
72.5°	2103.1	2113.7	2167.6	2119.9	2053.7	2098.1	1996.1	1909.9	2023.1	2031.1	2024.2
75°	1821.1	1840.4	1917.3	1966.7	2031.1	2152.5	1966.7	1797.2	1816.0	1792.2	1763.5
77.5°	1173.6	1154.1	1311.7	1513.2	1742.8	2002.4	1725.3	1420.1	1278.7	1160.5	1108.4
80°	347.8	367.2	507.3	753.8	1178.6	1502.0	1198.6	762.5	466.6	326.5	311.5
82.5°	69.5	86.4	126.4	198.3	504.2	820.7	500.4	225.8	152.6	118.2	109.5
85°	26.9	27.6	55.0	62.6	85.1	166.4	120.0	78.2	74.4	49.3	44.5
87.5°	3.8	5.0	8.7	10.6	10.1	5.7	11.9	8.0	4.4	4.4	3.2
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)