

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: P266110

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266110
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-AF24-60-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5998.8 lumens
Efficiency: N/A
Efficacy: 93.7 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

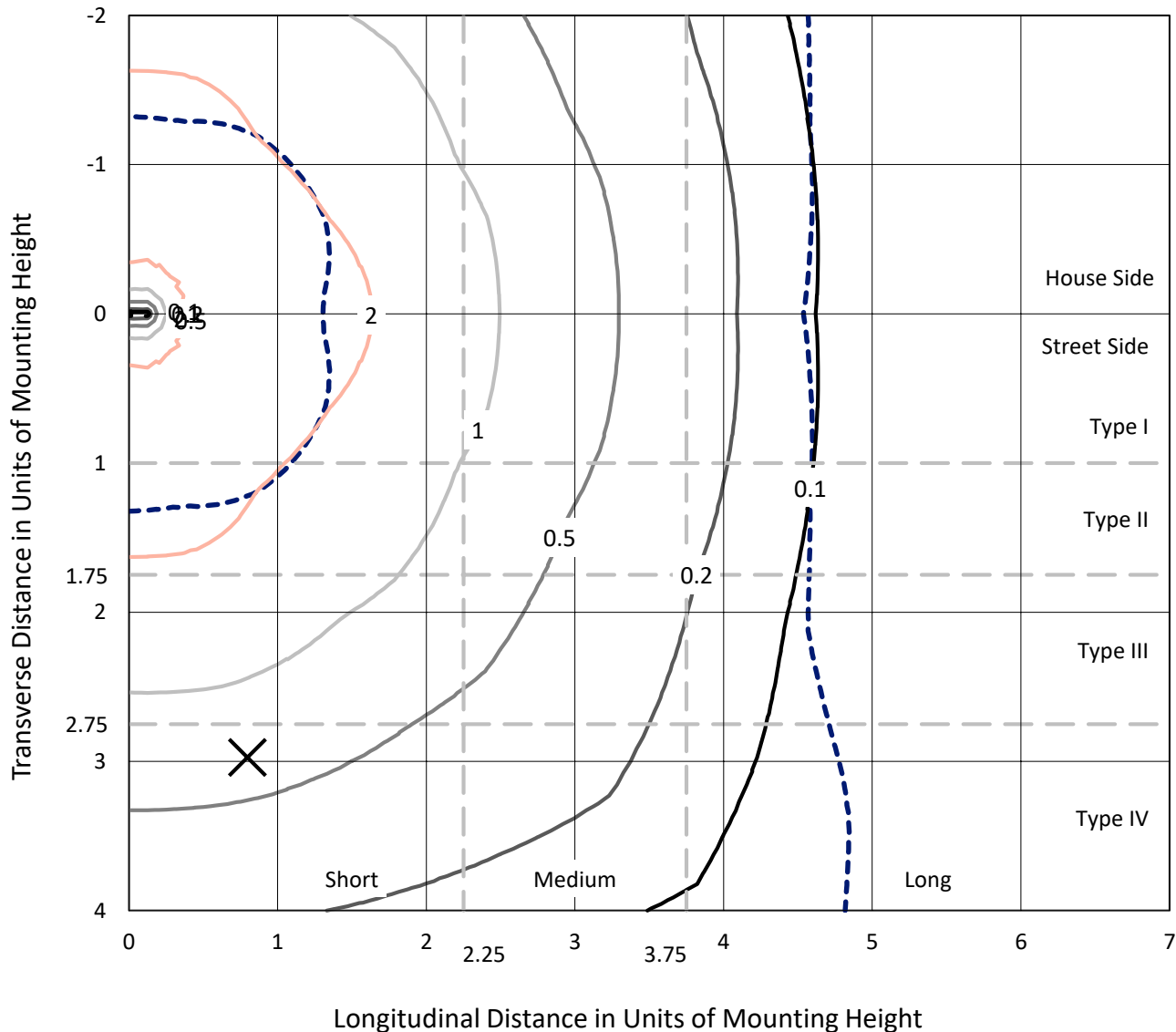
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

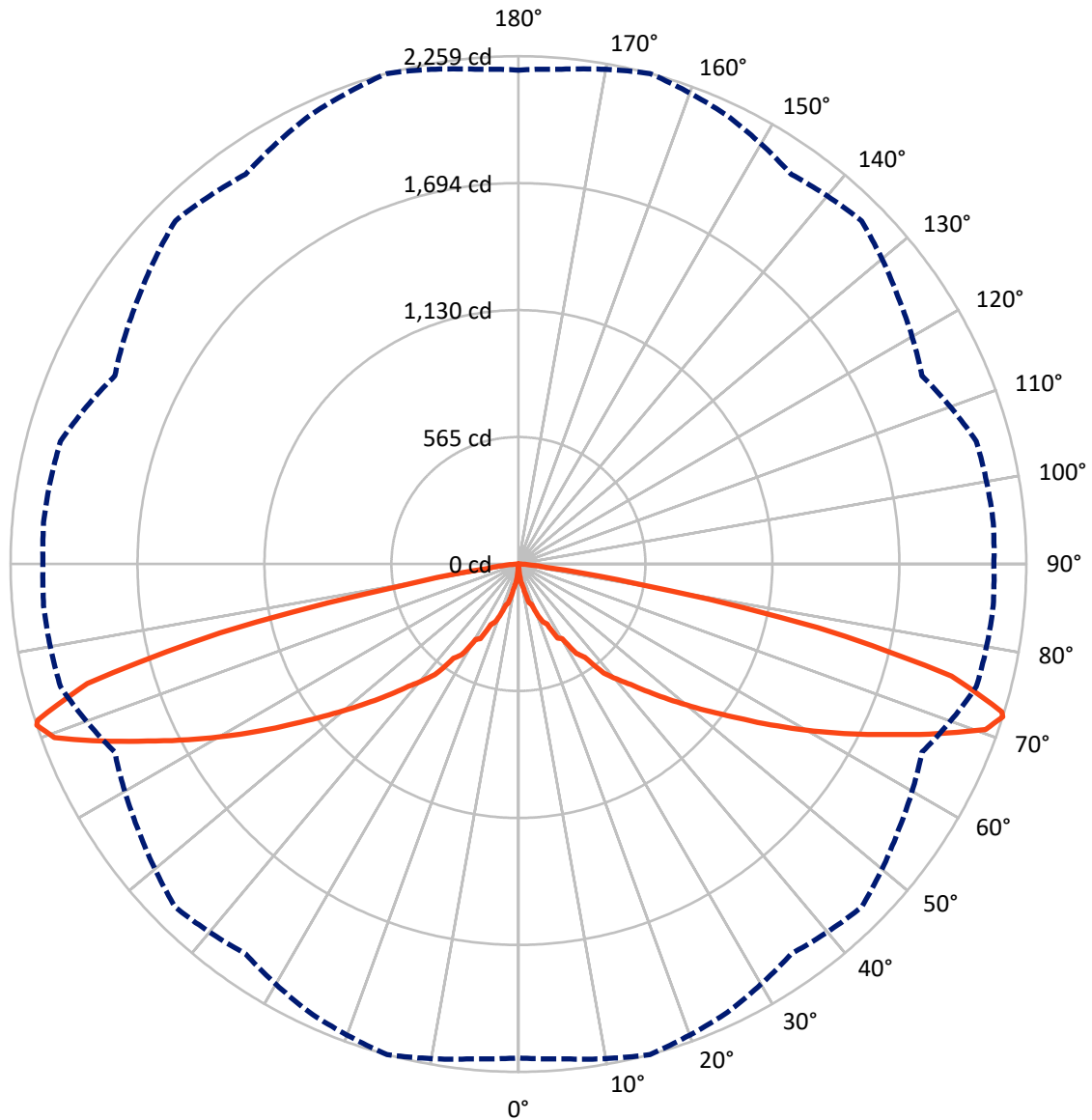
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 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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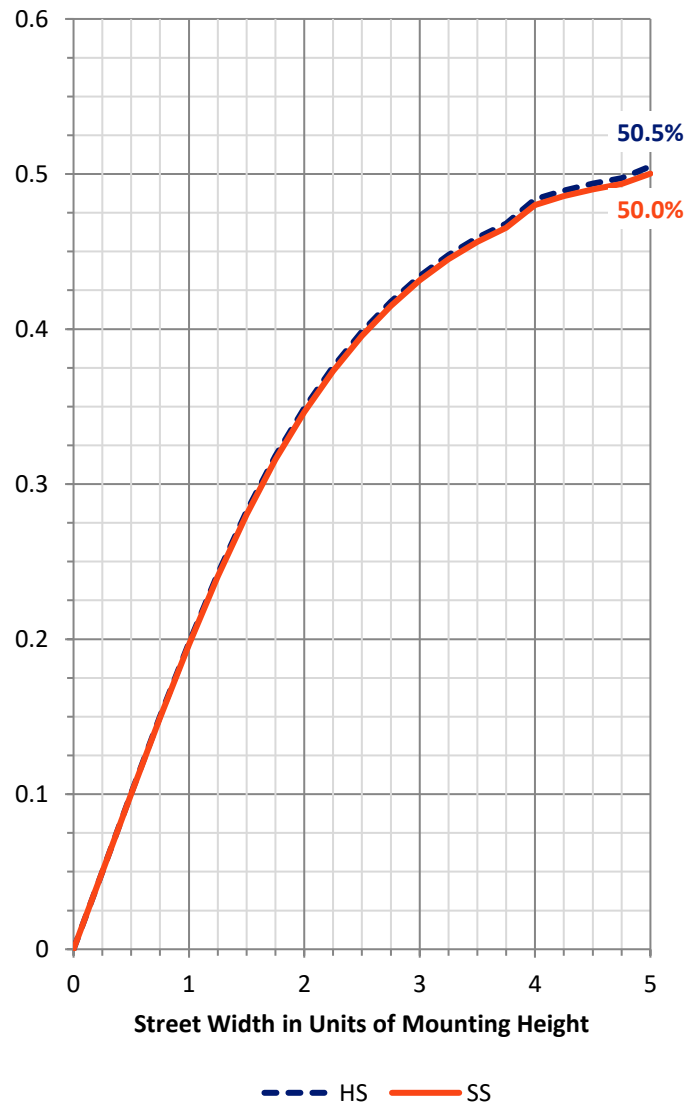
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2999.4	0.0	2999.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2999.4	0.0	2999.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5998.8	0.0	5998.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	40.6	0.7
20°-30°	148.9	2.5
30°-40°	328.6	5.5
40°-50°	589.0	9.8
50°-60°	1041.4	17.4
60°-70°	1751.6	29.2
70°-80°	1875.5	31.3
80°-90°	220.4	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°	5998.8	100.0
0°-180°	5998.8	100.0



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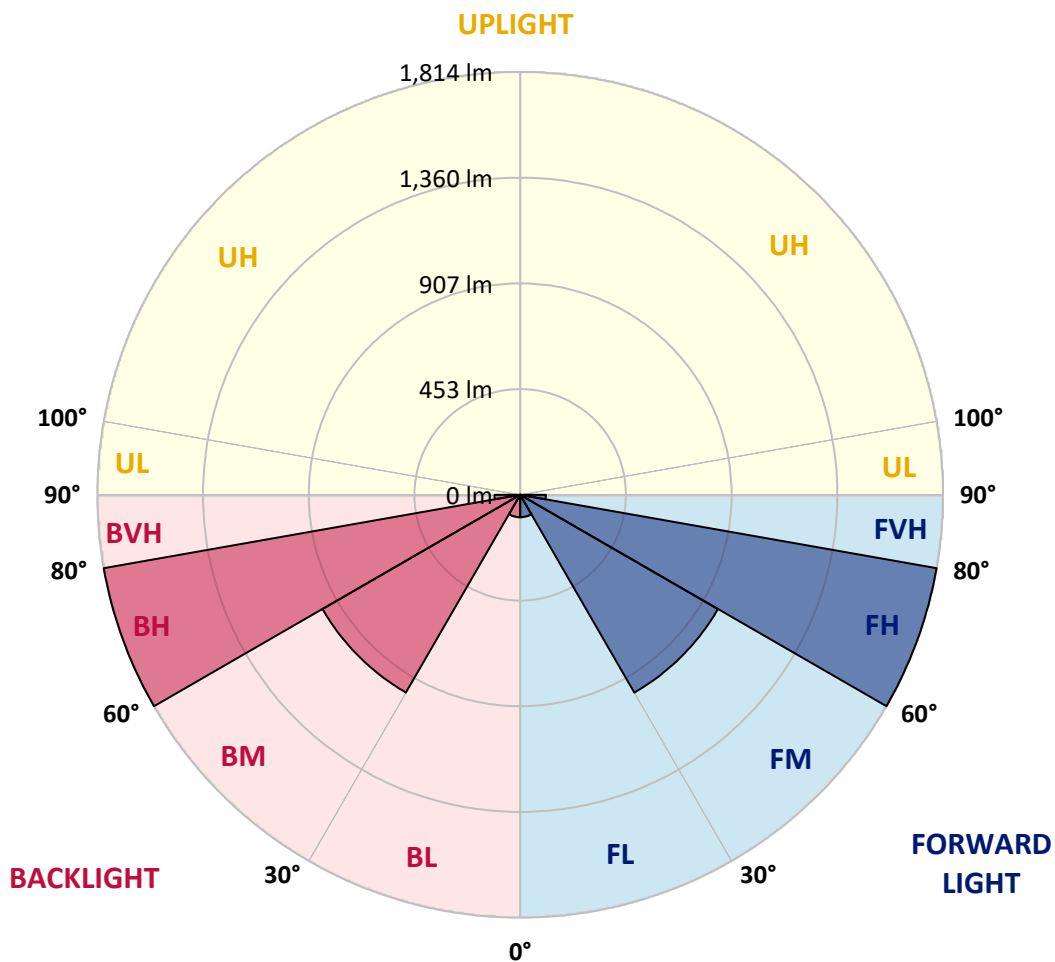
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.2	1.6			
FM (30°-60°)	979.5	16.3			
FH (60°-80°)	1813.5	30.2			G2/5000
FVH (80°-90°)	110.2	1.8			G2/225
BL (0°-30°)	96.2	1.6	B0/110		
BM (30°-60°)	979.5	16.3	B1/1000		
BH (60°-80°)	1813.5	30.2	B3/2500		G2/5000
BVH (80°-90°)	110.2	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.9	1.9	1.9	1.9	1.3	1.3	0.7	0.7	1.3	1.3	1.3
5°	37.6	37.0	27.8	12.9	10.4	4.5	1.9	1.3	1.3	1.3	1.3
7.5°	86.3	84.4	82.5	70.1	53.9	38.3	11.0	2.5	1.9	1.3	1.3
10°	94.1	94.1	92.9	90.9	88.4	79.9	44.7	10.4	4.5	4.0	4.0
12.5°	137.0	136.4	129.8	101.2	92.2	90.2	75.3	40.2	26.6	54.5	64.9
15°	186.9	185.7	179.8	162.4	132.4	98.1	118.1	145.4	125.9	134.3	135.0
17.5°	198.0	196.1	189.0	182.4	171.3	164.8	184.4	177.2	140.2	142.2	142.8
20°	255.2	259.0	238.3	205.8	189.0	246.8	203.2	194.8	230.4	255.7	263.7
22.5°	287.5	286.3	279.8	264.2	275.3	255.7	248.0	279.2	279.8	283.8	285.0
25°	334.3	333.1	295.5	281.1	323.3	279.8	326.5	297.3	305.2	327.9	347.4
27.5°	382.4	380.4	372.6	334.3	333.7	368.1	340.8	367.4	407.1	421.3	429.2
30°	427.2	417.4	385.1	395.4	368.1	387.6	393.5	413.6	423.3	446.6	451.2
32.5°	493.3	491.6	474.7	425.8	435.0	411.0	438.3	436.2	536.3	579.8	594.0
35°	563.5	544.1	509.0	491.6	464.9	484.9	456.3	527.8	560.4	613.0	621.4
37.5°	655.8	654.4	616.1	536.9	513.7	509.7	536.9	553.9	596.7	650.0	657.0
40°	705.1	705.1	672.7	610.3	559.6	555.2	570.8	594.0	640.1	697.4	703.2
42.5°	764.8	764.8	732.4	665.5	635.0	610.3	614.3	642.1	691.4	758.3	766.2
45°	835.0	835.0	812.2	724.6	697.4	670.0	683.7	711.0	768.7	835.0	844.6
47.5°	919.3	916.7	898.6	801.2	773.4	740.8	759.6	788.8	849.3	919.3	926.5
50°	1009.5	1007.7	994.7	893.4	852.5	829.8	847.3	870.6	939.4	1012.8	1020.7
52.5°	1105.0	1104.3	1099.2	1005.1	951.1	933.6	948.6	971.2	1038.8	1118.0	1125.1
55°	1220.0	1223.2	1220.0	1140.8	1075.8	1067.4	1073.8	1088.7	1155.0	1230.9	1235.4
57.5°	1345.9	1347.8	1359.6	1305.0	1233.6	1220.0	1223.9	1234.2	1286.2	1348.5	1353.0
60°	1480.2	1485.4	1508.3	1468.5	1408.9	1410.2	1398.5	1371.3	1427.0	1471.2	1470.5
62.5°	1615.3	1621.3	1664.0	1631.6	1588.1	1612.1	1579.0	1510.2	1574.5	1604.9	1599.2
65°	1763.5	1777.7	1828.3	1816.0	1751.7	1803.6	1752.4	1660.2	1747.8	1749.8	1749.8
67.5°	1948.5	1962.1	2014.0	1991.3	1895.9	1955.6	1896.5	1812.2	1900.4	1889.9	1895.2
70°	2150.4	2163.9	2204.3	2128.3	2023.7	2074.4	2009.5	1924.3	2051.6	2069.9	2065.4
72°	2197.1	2209.4	2259.3	2200.3	2116.5	2158.7	2063.9	1980.9	2108.9	2120.4	2115.2
72.5°	2182.8	2193.8	2249.6	2200.3	2131.5	2177.6	2071.9	1982.2	2099.7	2108.1	2101.0
75°	1889.9	1910.2	1989.9	2041.3	2108.1	2234.1	2041.3	1865.3	1884.9	1860.1	1830.2
77.5°	1218.0	1197.9	1361.6	1570.5	1808.8	2078.3	1790.6	1473.8	1327.1	1204.4	1150.5
80°	360.9	381.2	526.5	782.3	1223.2	1558.9	1244.0	791.4	484.4	338.9	323.3
82.5°	72.0	89.7	131.2	205.8	523.4	851.9	519.4	234.4	158.5	122.7	113.6
85°	27.8	28.6	57.1	64.9	88.4	172.7	124.7	81.1	77.3	51.4	46.2
87.5°	4.0	5.2	9.2	11.0	10.4	5.8	12.3	8.4	4.5	4.5	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)