

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: P266081

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266081
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5192 lumens
Efficiency: N/A
Efficacy: 96.1 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 - G1

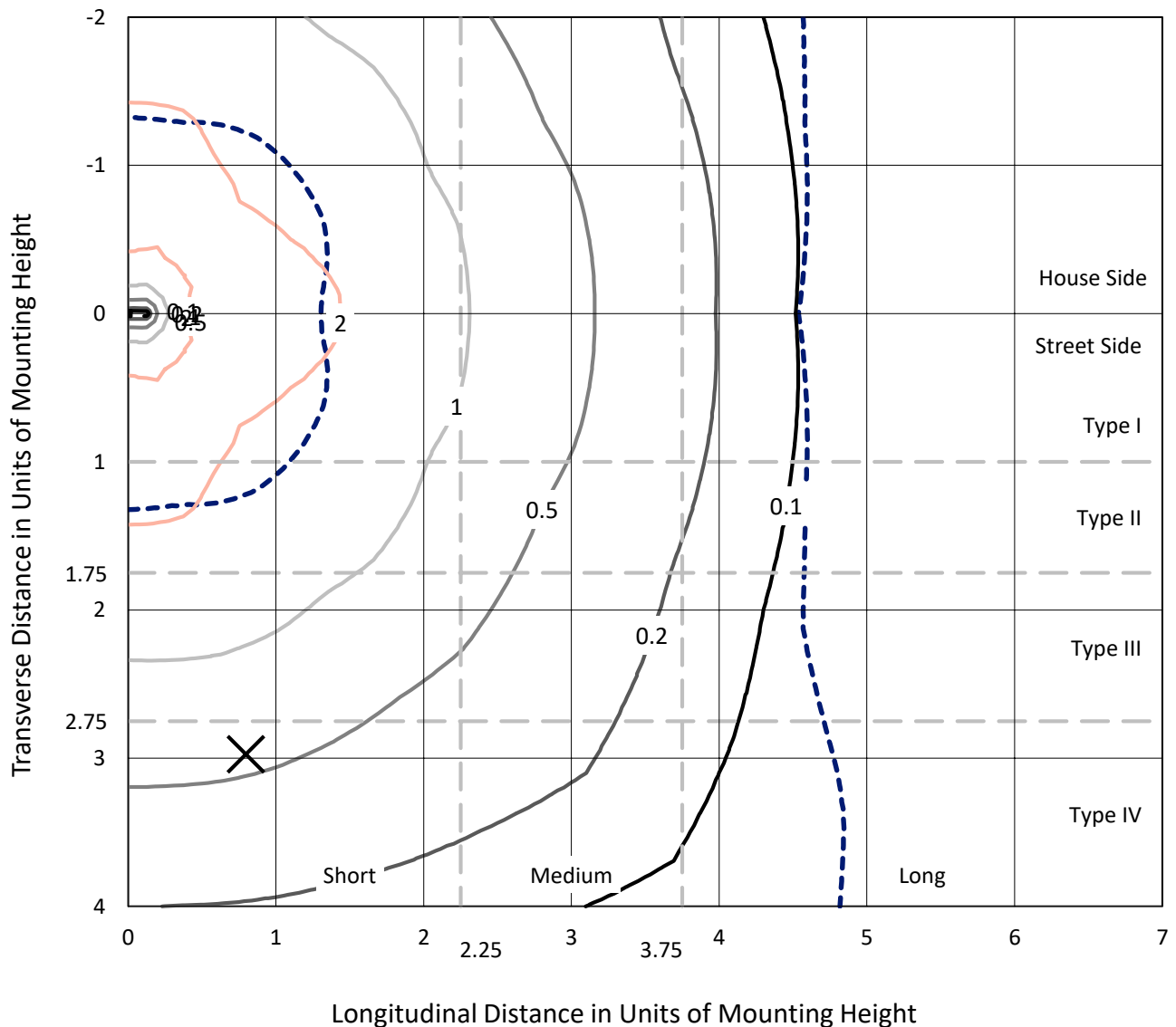
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P266081
 CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-7027

Iso-Footcandle Lines of Horizontal Illumination

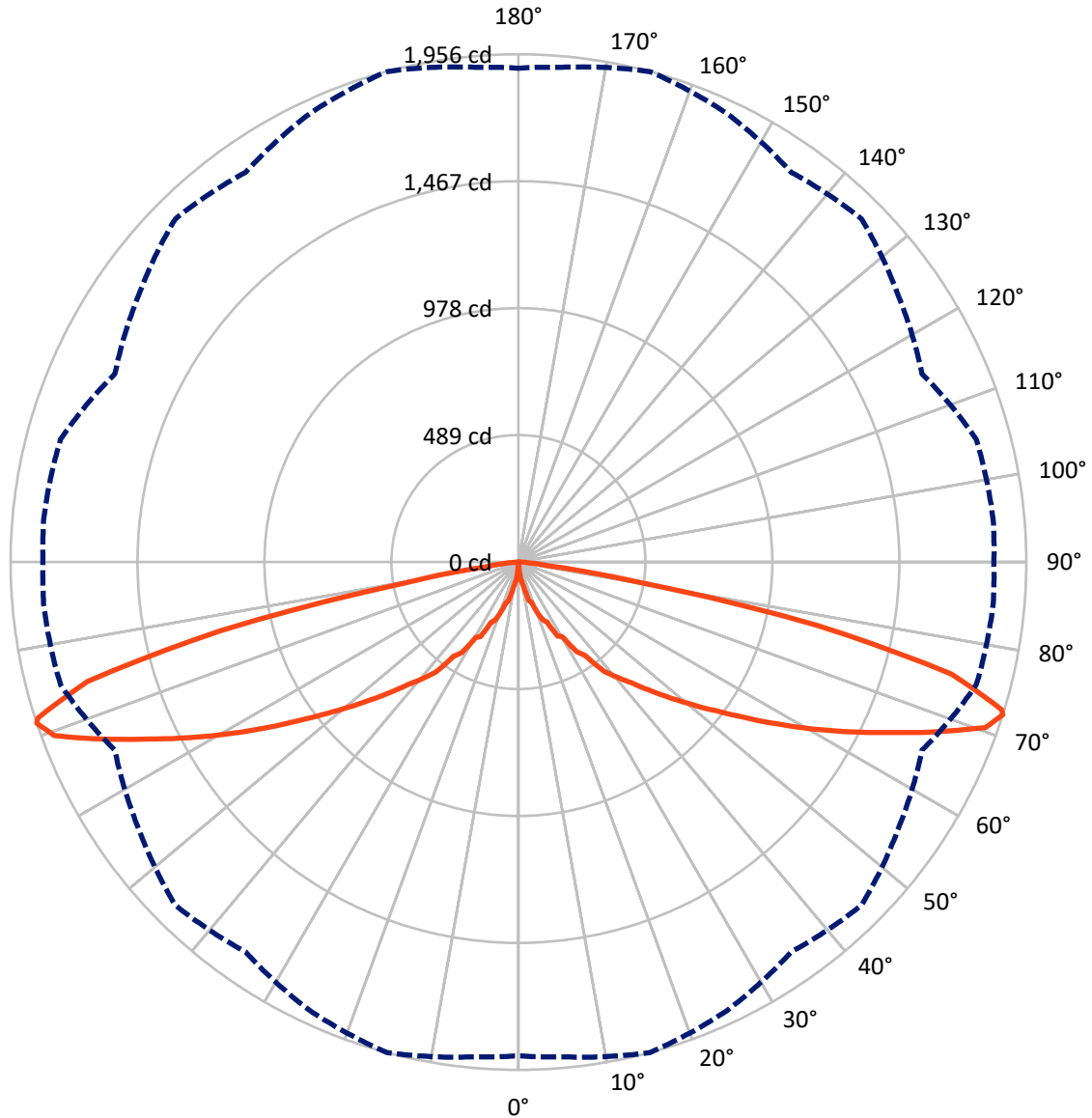
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P266081
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-7027

Luminous Intensity Polar Plot



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



REPORT NUMBER: P266081

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-7027

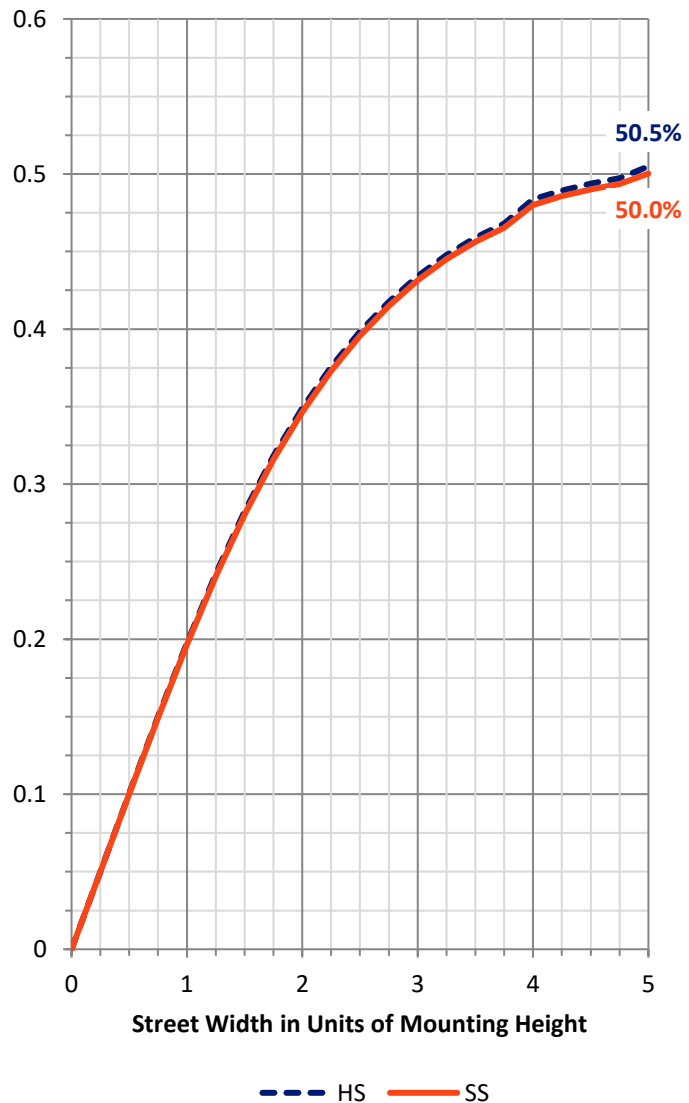
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2596.0	0.0	2596.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2596.0	0.0	2596.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5192.0	0.0	5192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.0
10°-20°	35.2	0.7
20°-30°	128.9	2.5
30°-40°	284.4	5.5
40°-50°	509.8	9.8
50°-60°	901.3	17.4
60°-70°	1516.0	29.2
70°-80°	1623.2	31.3
80°-90°	190.7	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°	5192.0	100.0
0°-180°	5192.0	100.0

Coefficient of Utilization



REPORT NUMBER: P266081

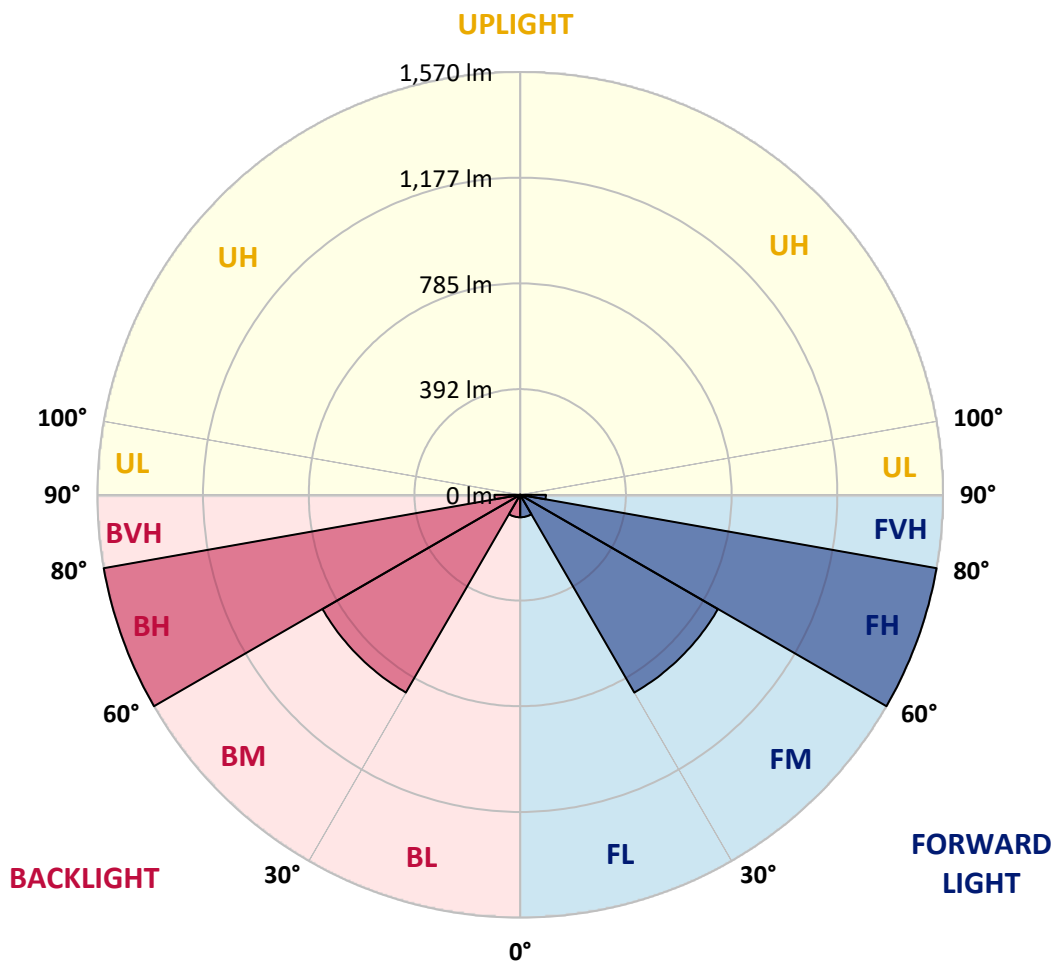
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.3	1.6			
FM (30°-60°)	847.8	16.3			
FH (60°-80°)	1569.6	30.2			G1/1800
FVH (80°-90°)	95.4	1.8			G1/100
BL (0°-30°)	83.3	1.6	B0/110		
BM (30°-60°)	847.8	16.3	B1/1000		
BH (60°-80°)	1569.6	30.2	B3/2500		G1/1800
BVH (80°-90°)	95.4	1.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P266081

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-5WQ-7027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	1.1	1.1	1.1
5°	32.6	32.0	24.2	11.3	9.1	4.0	1.6	1.1	1.1	1.1	1.1
7.5°	74.6	73.0	71.3	60.6	46.6	33.1	9.5	2.2	1.6	1.1	1.1
10°	81.4	81.4	80.4	78.7	76.4	69.1	38.7	9.1	4.0	3.4	3.4
12.5°	118.5	117.9	112.4	87.7	79.8	78.2	65.1	34.9	23.0	47.3	56.2
15°	161.9	160.6	155.6	140.4	114.7	84.9	102.2	125.9	109.1	116.3	116.9
17.5°	171.3	169.7	163.5	157.9	148.4	142.7	159.5	153.4	121.5	123.1	123.6
20°	220.9	224.1	206.3	178.1	163.5	213.5	175.9	168.6	199.6	221.4	228.2
22.5°	248.9	247.8	242.3	228.7	238.3	221.4	214.7	241.6	242.3	245.5	246.7
25°	289.4	288.3	255.7	243.4	279.8	242.3	282.6	257.4	264.1	283.8	300.7
27.5°	330.9	329.3	322.5	289.4	288.9	318.5	295.1	318.1	352.3	364.7	371.4
30°	369.7	361.3	333.2	342.3	318.5	335.4	340.5	358.0	366.4	386.6	390.6
32.5°	427.1	425.3	410.7	368.7	376.5	355.6	379.4	377.6	464.2	501.9	514.2
35°	487.8	470.9	440.6	425.3	402.4	419.8	395.1	456.9	484.9	530.4	537.7
37.5°	567.5	566.4	533.2	464.8	444.5	441.1	464.8	479.3	516.4	562.5	568.6
40°	610.3	610.3	582.2	528.3	484.4	480.5	494.0	514.2	554.1	603.5	608.6
42.5°	662.1	662.1	633.8	576.1	549.6	528.3	531.5	555.7	598.5	656.3	663.0
45°	722.6	722.6	703.0	627.1	603.5	579.9	591.8	615.2	665.4	722.6	731.1
47.5°	795.7	793.5	777.8	693.4	669.2	641.2	657.5	682.7	735.1	795.7	801.8
50°	873.8	872.2	860.8	773.3	737.8	718.1	733.3	753.6	813.1	876.7	883.4
52.5°	956.4	955.8	951.3	869.9	823.2	808.0	821.1	840.6	899.2	967.7	973.9
55°	1055.9	1058.7	1055.9	987.3	931.2	923.8	929.4	942.4	999.8	1065.4	1069.3
57.5°	1164.9	1166.5	1176.7	1129.4	1067.6	1055.9	1059.2	1068.3	1113.2	1167.2	1171.1
60°	1281.3	1285.7	1305.3	1271.1	1219.4	1220.5	1210.5	1186.8	1235.1	1273.3	1272.8
62.5°	1398.1	1403.2	1440.3	1412.1	1374.4	1395.2	1366.6	1307.0	1362.6	1389.0	1384.1
65°	1526.2	1538.5	1582.5	1571.8	1516.1	1561.1	1516.7	1436.8	1512.7	1514.5	1514.5
67.5°	1686.4	1698.2	1743.2	1723.5	1640.8	1692.5	1641.5	1568.4	1644.7	1635.9	1640.2
70°	1861.2	1873.0	1907.8	1842.1	1751.5	1795.4	1739.2	1665.5	1775.7	1791.5	1787.5
72°	1901.6	1912.3	1955.5	1904.3	1832.0	1868.5	1786.4	1714.4	1825.1	1835.2	1830.7
72.5°	1889.2	1898.7	1947.2	1904.3	1844.8	1884.7	1793.1	1715.7	1817.4	1824.5	1818.3
75°	1635.9	1653.2	1722.3	1766.7	1824.5	1933.6	1766.7	1614.4	1631.3	1609.9	1584.2
77.5°	1054.3	1036.7	1178.3	1359.3	1565.6	1798.8	1549.8	1275.7	1148.7	1042.5	995.7
80°	312.4	329.9	455.7	677.1	1058.7	1349.3	1076.7	685.0	419.1	293.3	279.8
82.5°	62.4	77.6	113.5	178.1	452.9	737.2	449.5	202.8	137.1	106.2	98.4
85°	24.2	24.8	49.4	56.2	76.4	149.5	107.8	70.2	66.8	44.3	40.0
87.5°	3.4	4.5	7.8	9.5	9.1	5.1	10.7	7.2	4.0	4.0	2.9
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)