

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: P695065

Luminaire Tested: **LXF.LXT-PA16-40-730-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4630 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

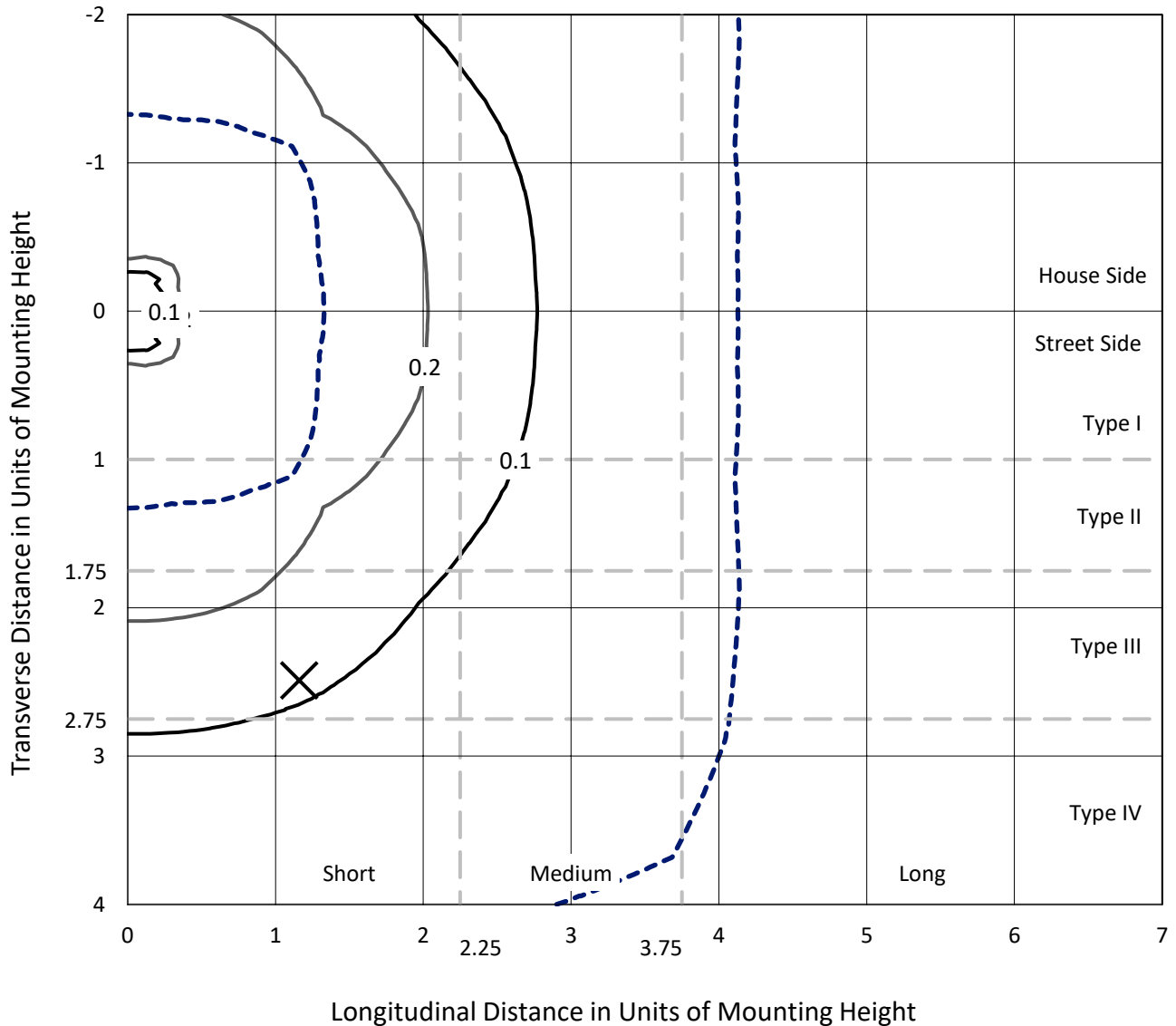
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

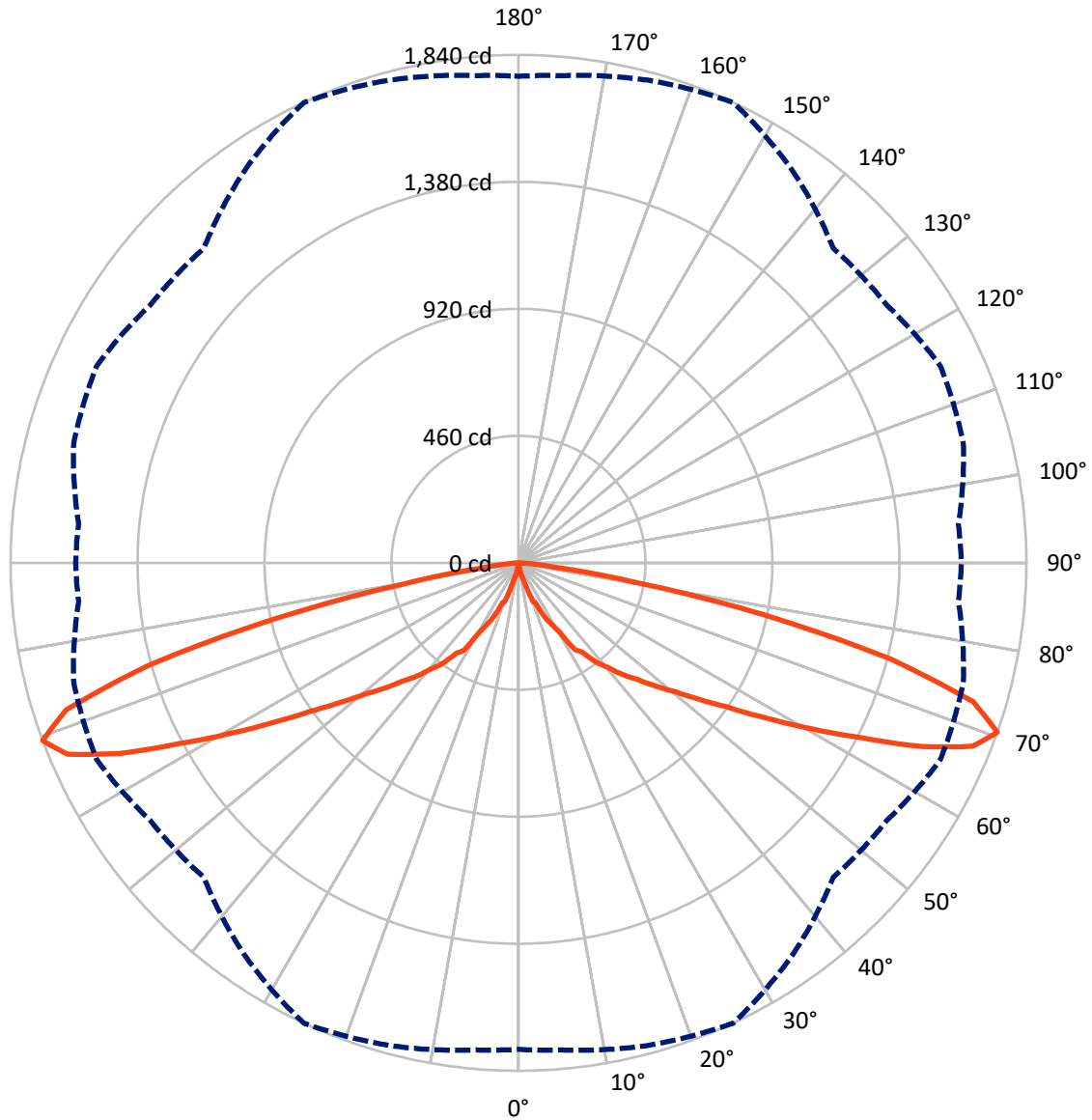
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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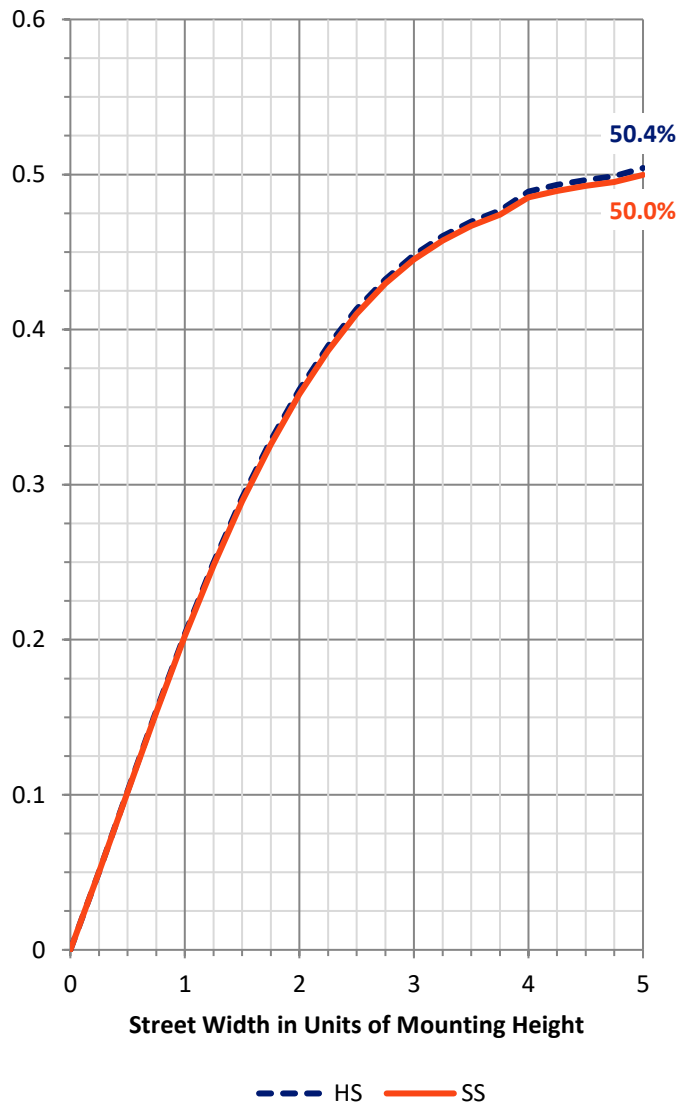
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2315.0	0.0	2315.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2315.0	0.0	2315.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4630.0	0.0	4630.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.1	0.4
20°-30°	107.7	2.3
30°-40°	266.0	5.7
40°-50°	475.4	10.3
50°-60°	847.0	18.3
60°-70°	1492.6	32.2
70°-80°	1297.7	28.0
80°-90°	123.3	2.7
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°	4630.0	100.0
0°-180°	4630.0	100.0

**Coefficient of Utilization**



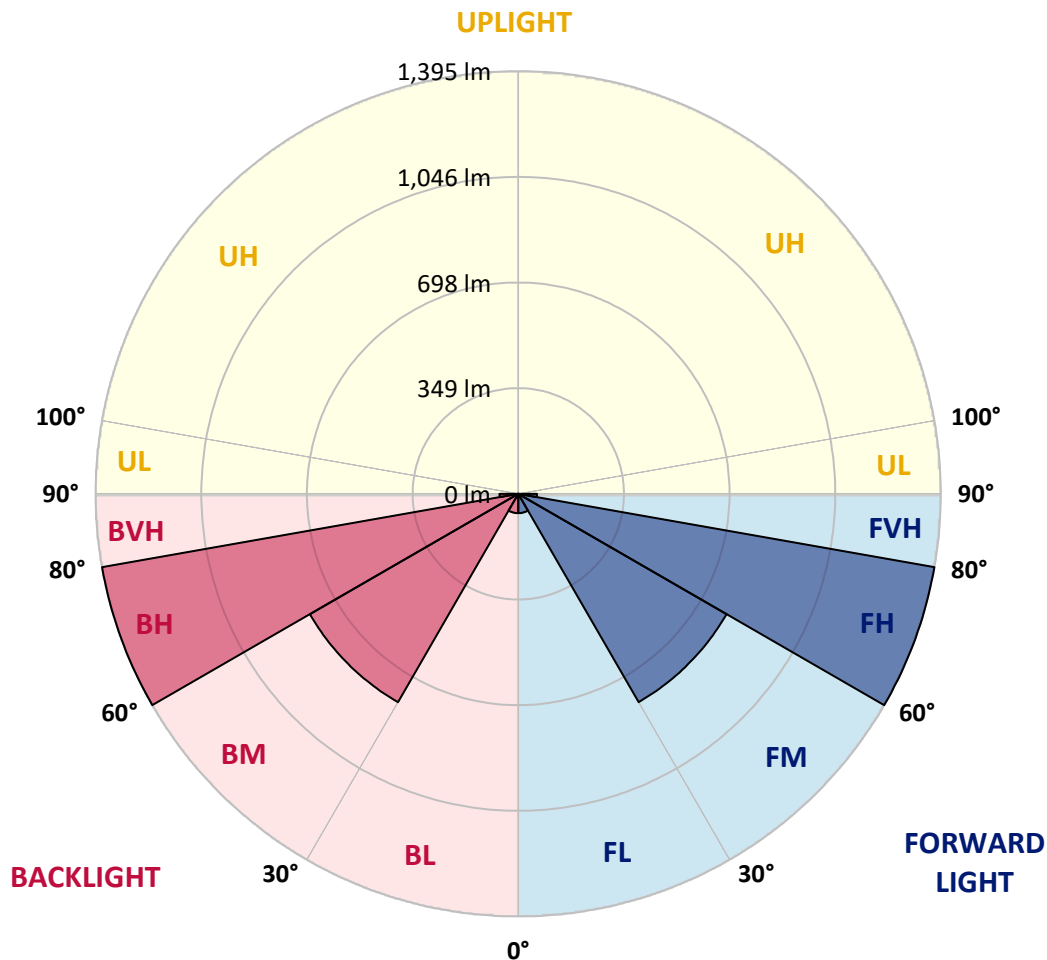
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.9	1.4			
FM (30°-60°)	794.2	17.2			
FH (60°-80°)	1395.2	30.1			G1/1800
FVH (80°-90°)	61.7	1.3			G1/100
BL (0°-30°)	63.9	1.4	B0/110		
BM (30°-60°)	794.2	17.2	B1/1000		
BH (60°-80°)	1395.2	30.1	B3/2500		G1/1800
BVH (80°-90°)	61.7	1.3			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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	11.9	11.9	9.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	50.7	50.7	49.3	46.3	23.9	3.0	1.5	3.0	13.4	17.9	19.4
15°	62.7	59.7	56.7	52.2	49.3	34.3	17.9	82.1	97.0	100.0	100.0
17.5°	147.8	146.3	137.3	92.5	55.2	56.7	109.0	100.0	103.0	106.0	106.0
20°	158.2	158.2	153.7	149.3	103.0	116.4	125.4	107.5	132.8	186.6	186.6
22.5°	213.4	209.0	171.6	156.7	179.1	155.2	137.3	191.0	210.4	214.9	216.4
25°	268.7	268.7	261.2	213.4	195.5	186.6	203.0	226.9	225.4	238.8	243.3
27.5°	291.0	289.6	274.6	250.7	256.7	238.8	246.3	256.7	317.9	331.3	332.8
30°	394.0	394.0	385.1	288.1	274.6	273.1	283.6	317.9	337.3	347.8	352.2
32.5°	413.4	411.9	404.5	374.6	311.9	304.5	331.3	335.8	444.8	467.2	468.7
35°	488.1	489.5	470.1	397.0	386.6	347.8	353.7	428.4	471.6	489.5	491.0
37.5°	525.4	523.9	514.9	456.7	407.5	379.1	410.4	456.7	501.5	525.4	526.9
40°	567.2	567.2	555.2	498.5	455.2	407.5	444.8	495.5	549.3	567.2	568.7
42.5°	610.4	613.4	601.5	553.7	495.5	440.3	485.1	541.8	604.5	613.4	616.4
45°	679.1	674.6	661.2	601.5	538.8	480.6	528.4	600.0	665.7	677.6	680.6
47.5°	749.2	744.8	728.4	667.2	597.0	531.3	585.1	671.6	737.3	746.3	753.7
50°	819.4	813.4	809.0	732.8	667.2	598.5	652.2	746.3	809.0	817.9	819.4
52.5°	897.0	895.5	894.0	822.4	755.2	676.1	735.8	828.4	895.5	897.0	898.5
55°	994.0	992.5	995.5	925.4	871.6	788.1	841.8	934.3	995.5	988.1	988.1
57.5°	1106.0	1101.5	1108.9	1062.7	1014.9	913.4	970.1	1049.2	1104.5	1089.5	1091.0
60°	1238.8	1243.3	1258.2	1220.9	1167.2	1067.2	1129.8	1177.6	1235.8	1216.4	1216.4
62.5°	1413.4	1410.4	1426.9	1397.0	1328.4	1238.8	1301.5	1329.8	1397.0	1376.1	1376.1
65°	1594.0	1603.0	1611.9	1604.5	1503.0	1394.0	1462.7	1523.9	1552.2	1520.9	1519.4
67.5°	1750.7	1744.8	1776.1	1774.6	1647.8	1519.4	1580.6	1658.2	1670.1	1620.9	1622.4
70°	1762.7	1771.6	1810.4	1840.3	1732.8	1611.9	1628.3	1686.6	1668.6	1600.0	1604.5
72.5°	1598.5	1608.9	1646.3	1722.4	1698.5	1650.7	1585.1	1561.2	1506.0	1452.2	1459.7
75°	1174.6	1183.6	1270.1	1392.5	1483.6	1526.9	1410.4	1314.9	1253.7	1200.0	1211.9
77.5°	635.8	653.7	758.2	913.4	1111.9	1204.5	1104.5	944.8	779.1	704.5	682.1
80°	243.3	237.3	303.0	435.8	631.3	765.7	677.6	473.1	298.5	220.9	226.9
82.5°	62.7	68.7	97.0	132.8	258.2	400.0	301.5	147.8	94.0	76.1	64.2
85°	19.4	19.4	31.3	38.8	74.6	117.9	61.2	40.3	32.8	19.4	16.4
87.5°	4.5	6.0	9.0	10.4	11.9	7.5	7.5	4.5	1.5	1.5	0.0
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)