

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: P695755

Luminaire Tested: **LXF.LXT-PA16-60-827-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695755  
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-PA16-60-827-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5442 lumens  
Efficiency: N/A  
Efficacy: 87.8 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

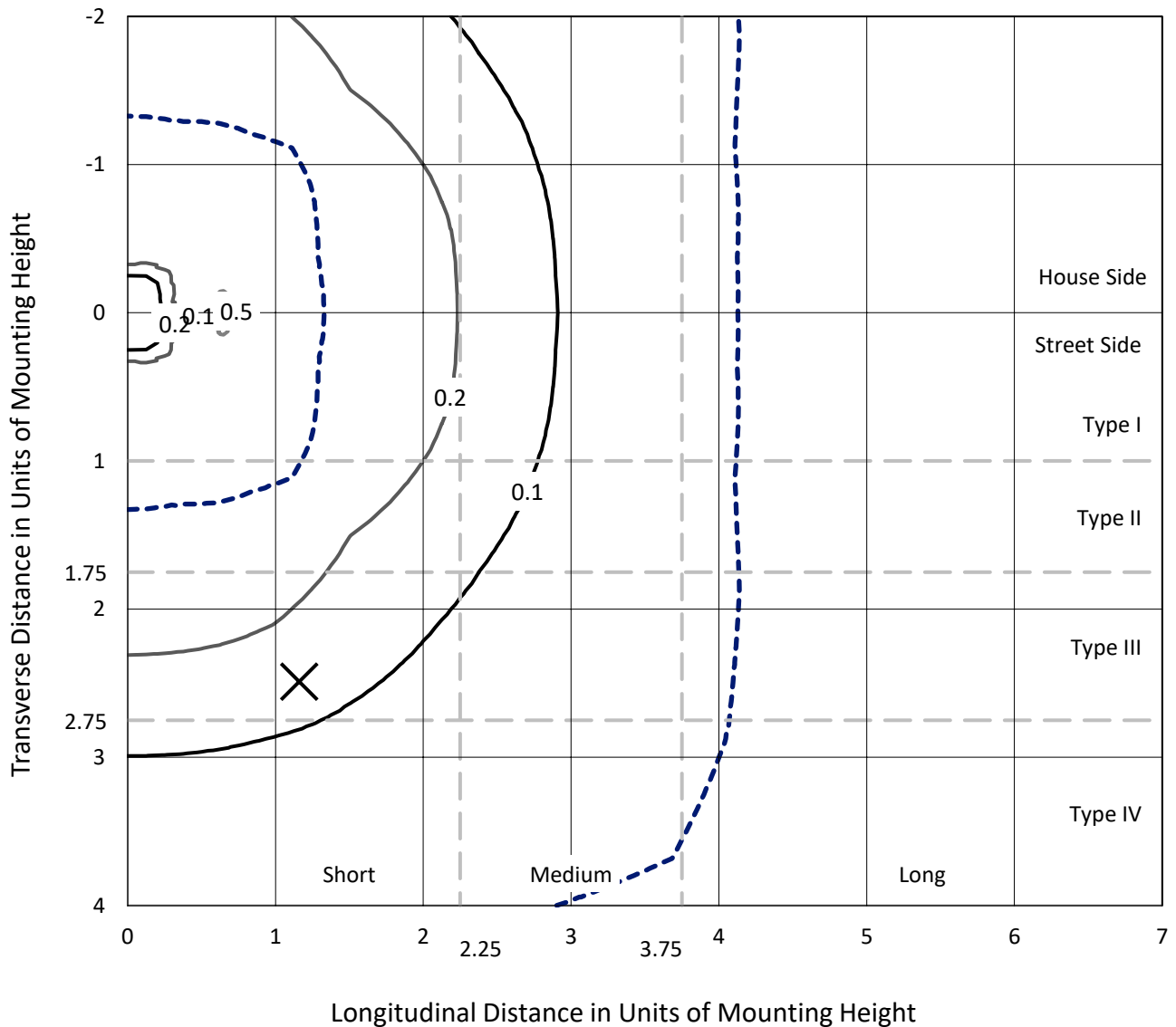
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695755  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

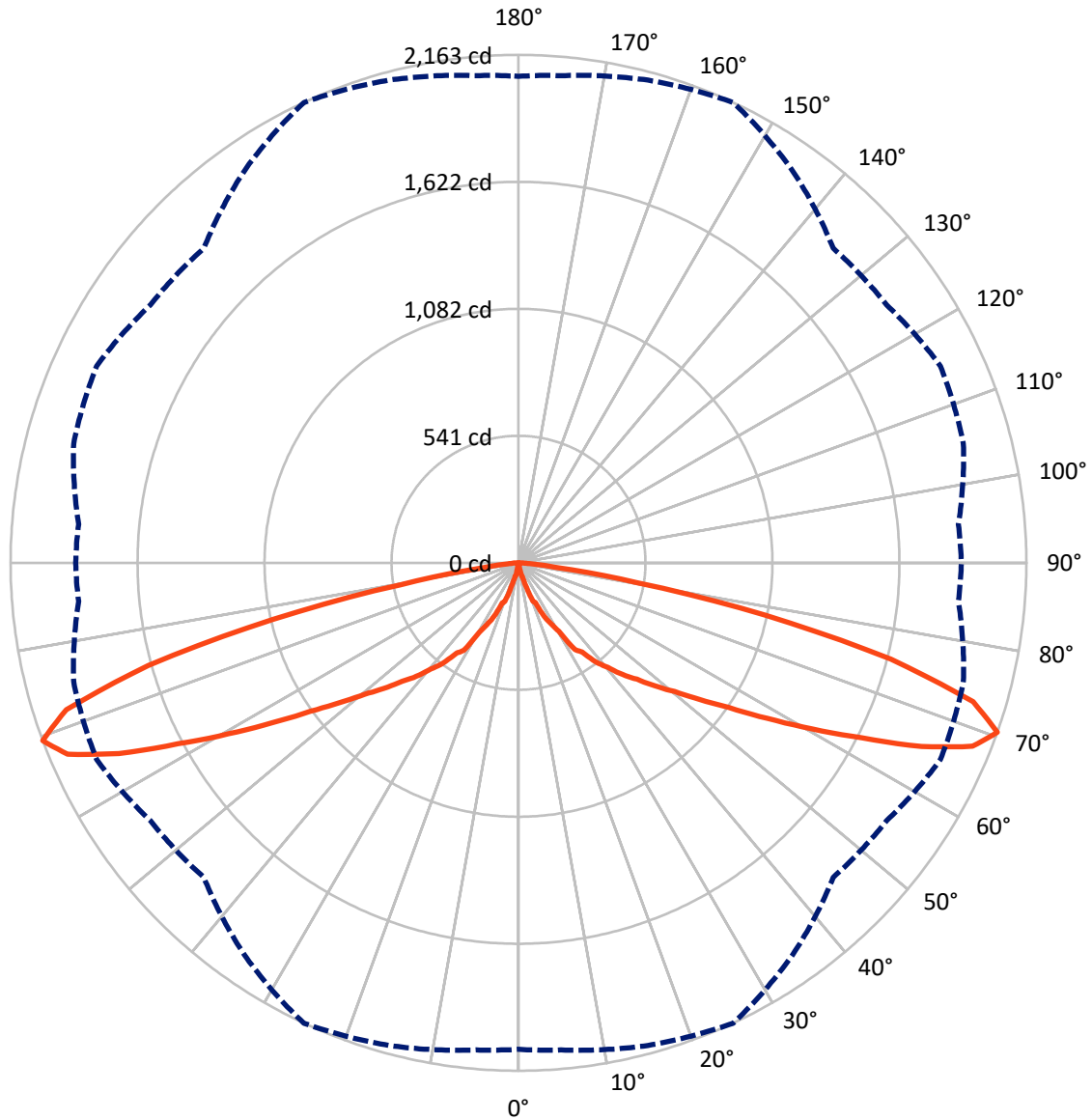
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P695755  
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695755  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ

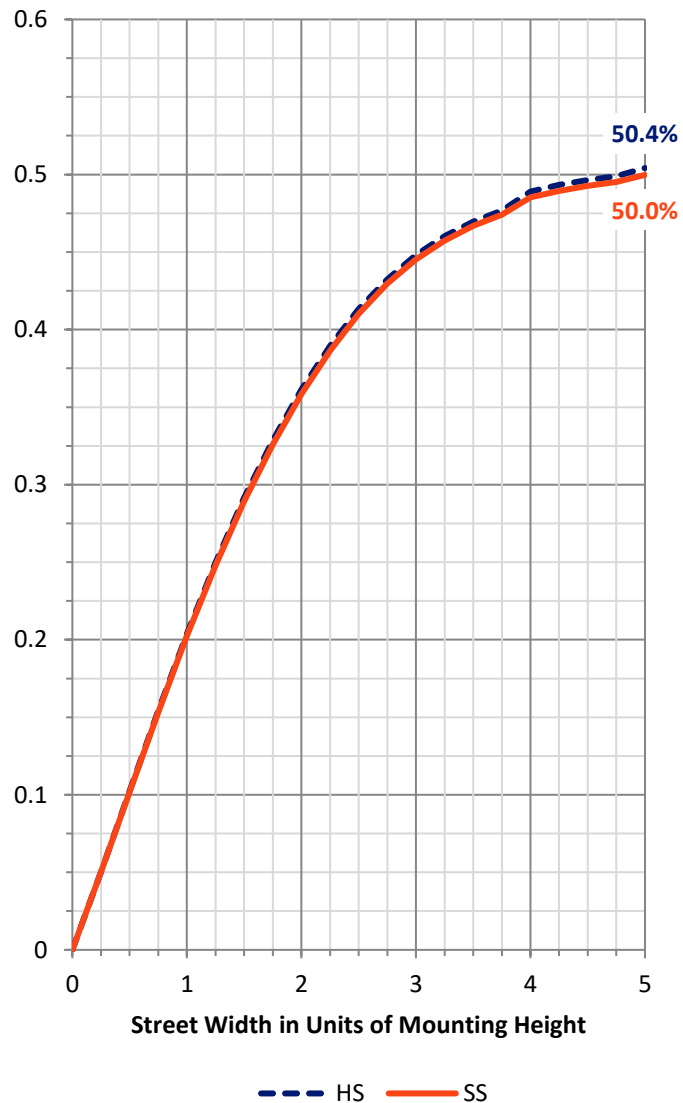
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2721.0	0.0	2721.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2721.0	0.0	2721.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5442.0	0.0	5442.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	23.7	0.4
20°-30°	126.6	2.3
30°-40°	312.7	5.7
40°-50°	558.8	10.3
50°-60°	995.5	18.3
60°-70°	1754.4	32.2
70°-80°	1525.3	28.0
80°-90°	145.0	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°	5442.0	100.0
0°-180°	5442.0	100.0

**Coefficient of Utilization**



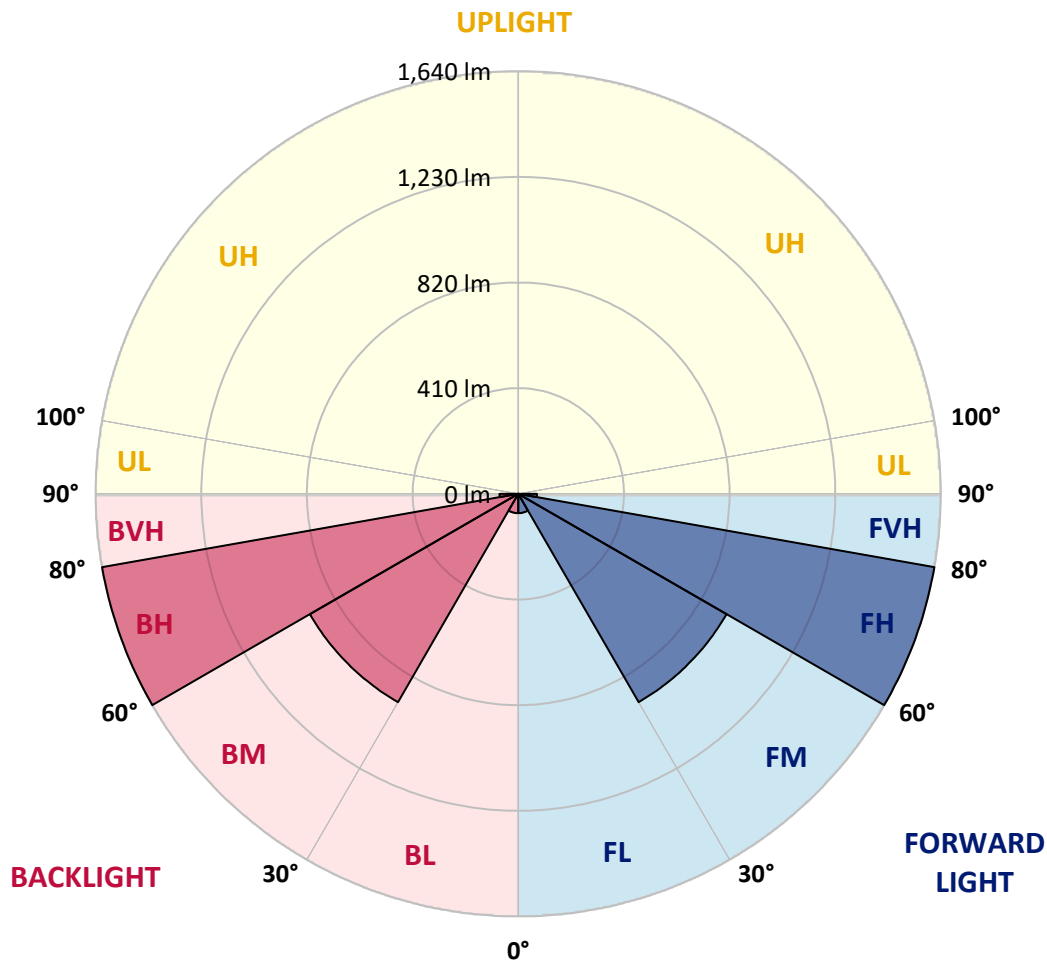
REPORT NUMBER: P695755  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.1	1.4			
FM (30°-60°)	933.5	17.2			
FH (60°-80°)	1639.8	30.1			G1/1800
FVH (80°-90°)	72.5	1.3			G1/100
BL (0°-30°)	75.1	1.4	B0/110		
BM (30°-60°)	933.5	17.2	B1/1000		
BH (60°-80°)	1639.8	30.1	B3/2500		G1/1800
BVH (80°-90°)	72.5	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



REPORT NUMBER: P695755  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ

**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°	14.0	14.0	10.5	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	59.6	59.6	57.9	54.4	28.1	3.5	1.8	3.5	15.8	21.1	22.8
15°	73.7	70.2	66.7	61.4	57.9	40.3	21.1	96.5	114.0	117.5	117.5
17.5°	173.7	171.9	161.4	108.8	64.9	66.7	128.1	117.5	121.0	124.6	124.6
20°	186.0	186.0	180.7	175.4	121.0	136.8	147.4	126.3	156.1	219.3	219.3
22.5°	250.9	245.6	201.7	184.2	210.5	182.4	161.4	224.5	247.4	252.6	254.4
25°	315.8	315.8	307.0	250.9	229.8	219.3	238.6	266.7	264.9	280.7	285.9
27.5°	342.1	340.3	322.8	294.7	301.7	280.7	289.5	301.7	373.7	389.5	391.2
30°	463.1	463.1	452.6	338.6	322.8	321.0	333.3	373.7	396.5	408.7	414.0
32.5°	485.9	484.2	475.4	440.3	366.6	357.9	389.5	394.7	522.8	549.1	550.8
35°	573.7	575.4	552.6	466.6	454.4	408.7	415.8	503.5	554.4	575.4	577.2
37.5°	617.5	615.8	605.2	536.8	478.9	445.6	482.4	536.8	589.4	617.5	619.3
40°	666.6	666.6	652.6	585.9	535.1	478.9	522.8	582.4	645.6	666.6	668.4
42.5°	717.5	721.0	707.0	650.8	582.4	517.5	570.1	636.8	710.5	721.0	724.5
45°	798.2	792.9	777.1	707.0	633.3	564.9	621.0	705.2	782.4	796.4	800.0
47.5°	880.7	875.4	856.1	784.2	701.7	624.5	687.7	789.4	866.6	877.1	885.9
50°	963.1	956.1	950.8	861.4	784.2	703.5	766.6	877.1	950.8	961.3	963.1
52.5°	1054.3	1052.6	1050.8	966.6	887.7	794.7	864.9	973.6	1052.6	1054.3	1056.1
55°	1168.4	1166.6	1170.1	1087.7	1024.5	926.3	989.4	1098.2	1170.1	1161.3	1161.3
57.5°	1299.9	1294.7	1303.4	1249.1	1192.9	1073.6	1140.3	1233.3	1298.2	1280.6	1282.4
60°	1456.1	1461.3	1478.9	1435.0	1371.9	1254.3	1328.0	1384.1	1452.5	1429.7	1429.7
62.5°	1661.3	1657.8	1677.1	1642.0	1561.3	1456.1	1529.7	1563.1	1642.0	1617.5	1617.5
65°	1873.6	1884.1	1894.6	1885.9	1766.6	1638.5	1719.2	1791.1	1824.5	1787.6	1785.9
67.5°	2057.8	2050.8	2087.6	2085.8	1936.7	1785.9	1857.8	1949.0	1963.0	1905.2	1906.9
70°	2071.8	2082.3	2127.9	2163.0	2036.7	1894.6	1913.9	1982.3	1961.3	1880.6	1885.9
72.5°	1878.8	1891.1	1935.0	2024.4	1996.4	1940.2	1863.1	1835.0	1770.1	1706.9	1715.7
75°	1380.6	1391.1	1492.9	1636.7	1743.8	1794.6	1657.8	1545.5	1473.6	1410.4	1424.5
77.5°	747.3	768.4	891.2	1073.6	1306.9	1415.7	1298.2	1110.5	915.7	828.0	801.7
80°	285.9	278.9	356.1	512.3	742.1	899.9	796.4	556.1	350.9	259.6	266.7
82.5°	73.7	80.7	114.0	156.1	303.5	470.1	354.4	173.7	110.5	89.5	75.4
85°	22.8	22.8	36.8	45.6	87.7	138.6	71.9	47.4	38.6	22.8	19.3
87.5°	5.3	7.0	10.5	12.3	14.0	8.8	8.8	5.3	1.8	1.8	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)