

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: P695305

Luminaire Tested: **LXF.LXT-PA16-50-727-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695305  
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-PA16-50-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5366 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

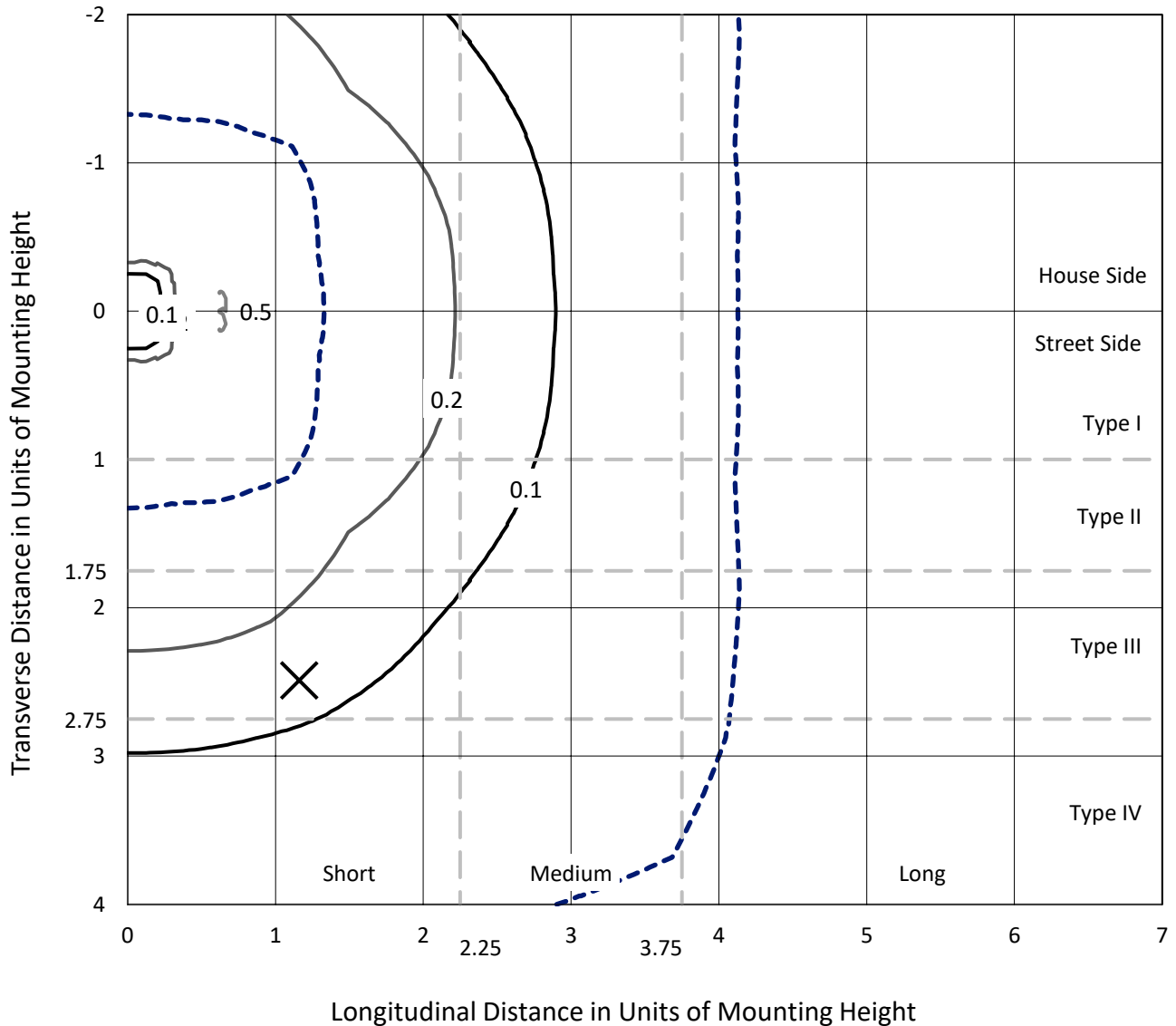
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

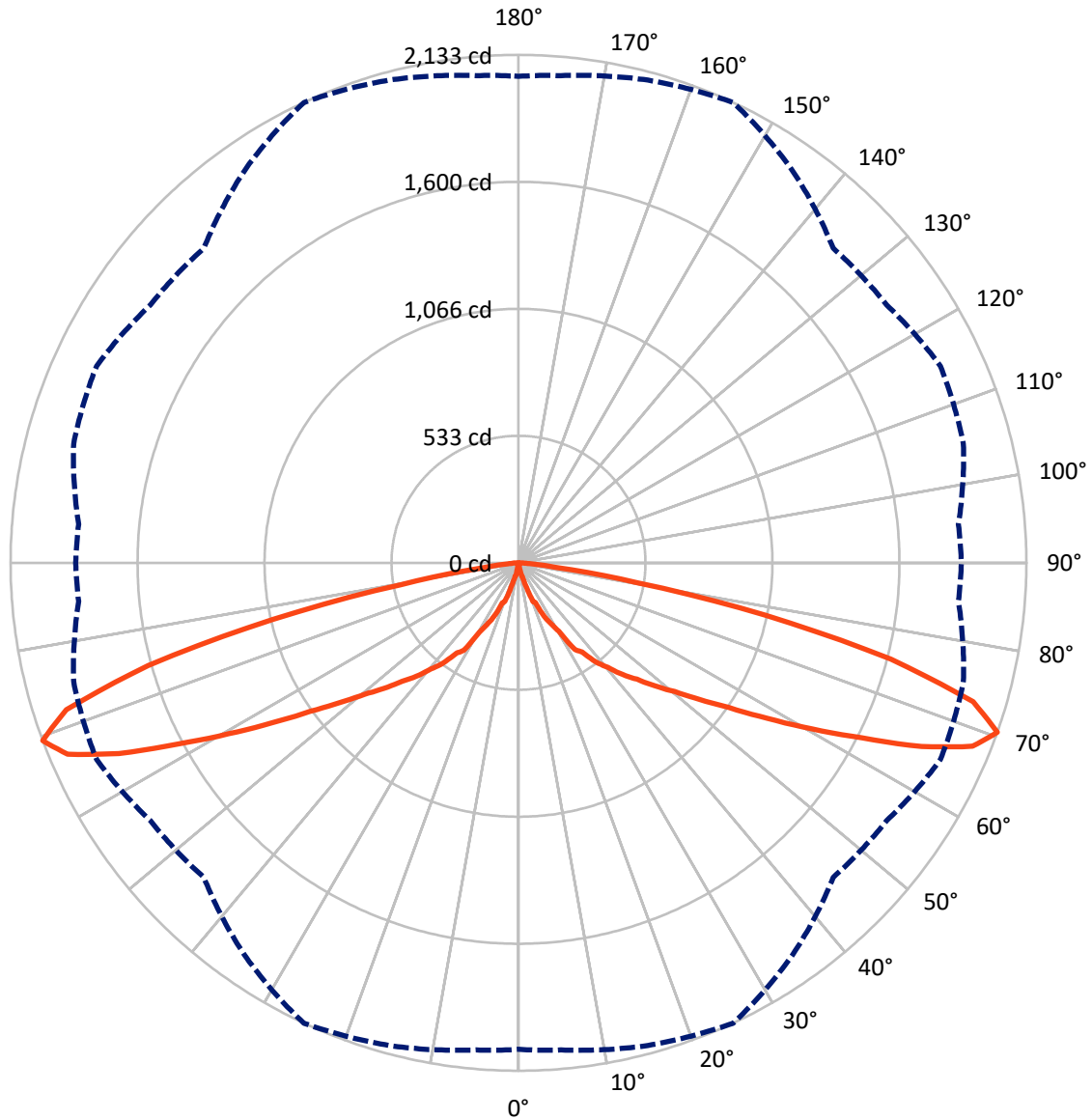
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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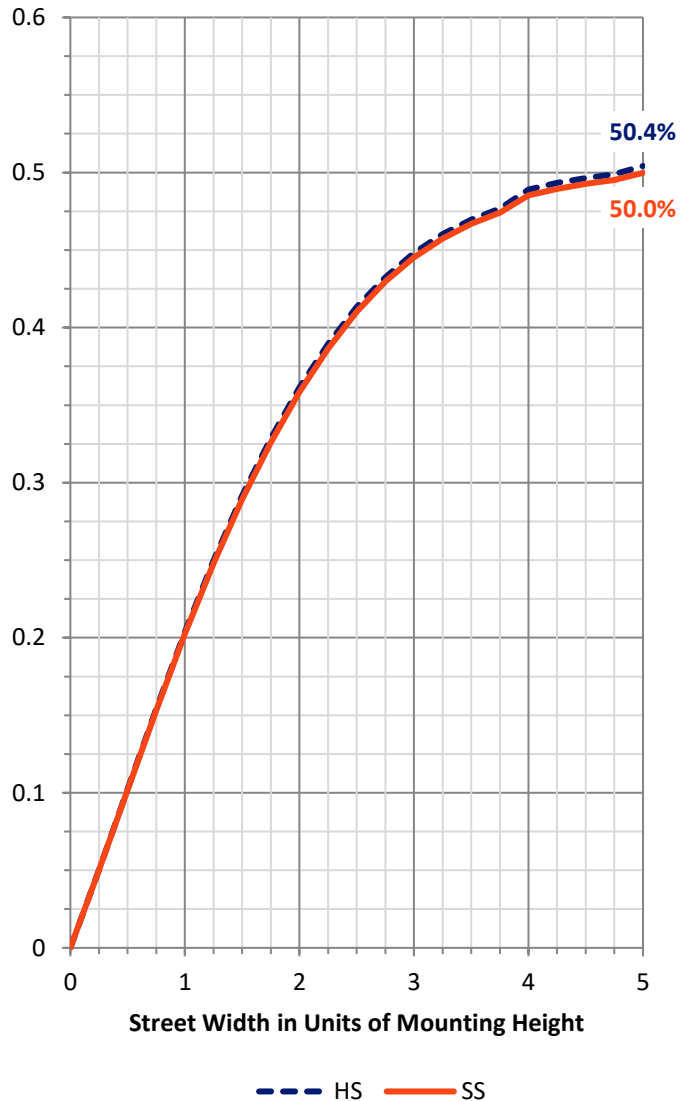
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2683.0	0.0	2683.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2683.0	0.0	2683.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5366.0	0.0	5366.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	23.3	0.4
20°-30°	124.8	2.3
30°-40°	308.3	5.7
40°-50°	551.0	10.3
50°-60°	981.6	18.3
60°-70°	1729.9	32.2
70°-80°	1504.0	28.0
80°-90°	143.0	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°	5366.0	100.0
0°-180°	5366.0	100.0

**Coefficient of Utilization**



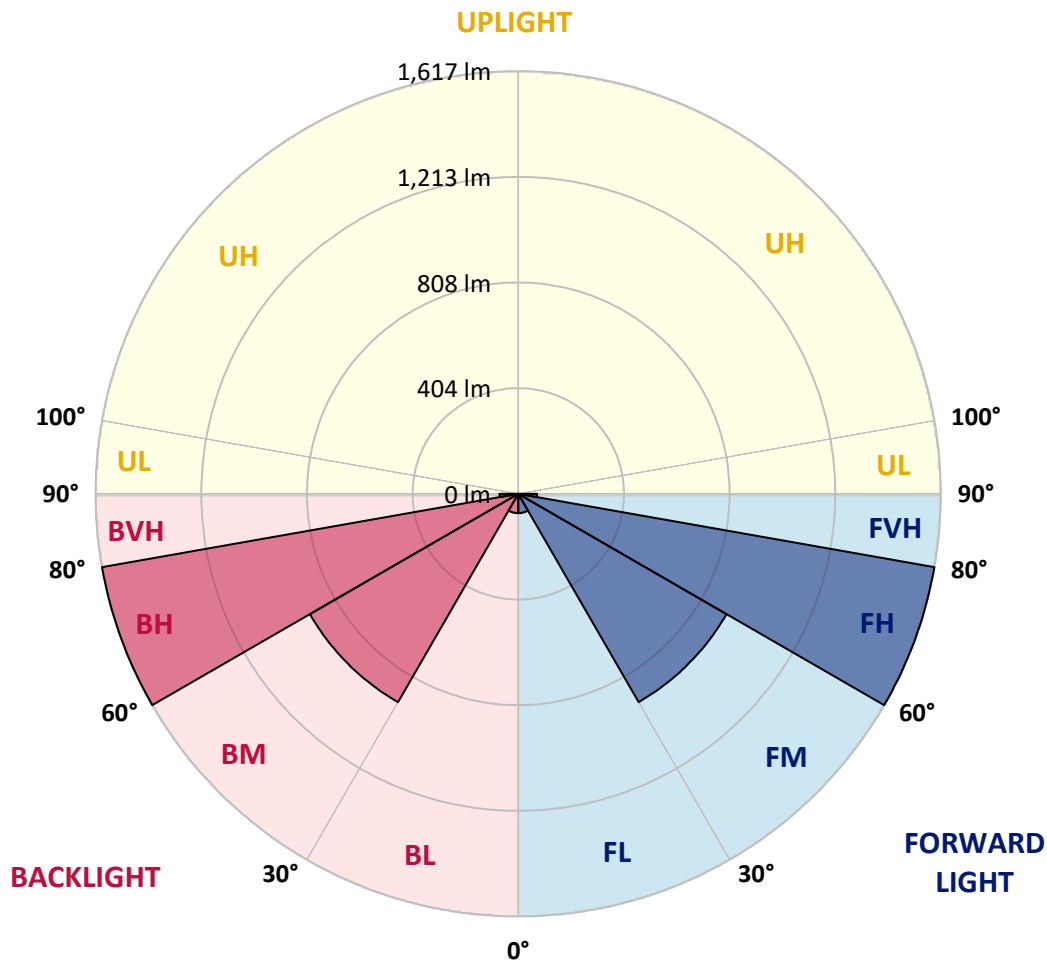
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.1	1.4			
FM (30°-60°)	920.5	17.2			
FH (60°-80°)	1616.9	30.1			G1/1800
FVH (80°-90°)	71.5	1.3			G1/100
BL (0°-30°)	74.1	1.4	B0/110		
BM (30°-60°)	920.5	17.2	B1/1000		
BH (60°-80°)	1616.9	30.1	B3/2500		G1/1800
BVH (80°-90°)	71.5	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



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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°	13.8	13.8	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	58.8	58.8	57.1	53.6	27.7	3.5	1.7	3.5	15.6	20.8	22.5
15°	72.7	69.2	65.7	60.5	57.1	39.8	20.8	95.1	112.4	115.9	115.9
17.5°	171.2	169.5	159.1	107.2	64.0	65.7	126.3	115.9	119.4	122.8	122.8
20°	183.4	183.4	178.2	173.0	119.4	134.9	145.3	124.5	154.0	216.2	216.2
22.5°	247.4	242.2	198.9	181.6	207.6	179.9	159.1	221.4	243.9	249.1	250.8
25°	311.4	311.4	302.7	247.4	226.6	216.2	235.3	262.9	261.2	276.8	282.0
27.5°	337.3	335.6	318.3	290.6	297.5	276.8	285.4	297.5	368.4	384.0	385.7
30°	456.7	456.7	446.3	333.8	318.3	316.6	328.7	368.4	390.9	403.0	408.2
32.5°	479.2	477.4	468.8	434.2	361.5	352.9	384.0	389.2	515.5	541.4	543.2
35°	565.6	567.4	544.9	460.1	448.0	403.0	410.0	496.4	546.6	567.4	569.1
37.5°	608.9	607.2	596.8	529.3	472.2	439.4	475.7	529.3	581.2	608.9	610.6
40°	657.3	657.3	643.5	577.7	527.6	472.2	515.5	574.3	636.6	657.3	659.0
42.5°	707.5	710.9	697.1	641.8	574.3	510.3	562.2	627.9	700.6	710.9	714.4
45°	787.1	781.9	766.3	697.1	624.5	557.0	612.3	695.4	771.5	785.3	788.8
47.5°	868.4	863.2	844.1	773.2	691.9	615.8	678.1	778.4	854.5	864.9	873.5
50°	949.7	942.7	937.5	849.3	773.2	693.6	755.9	864.9	937.5	947.9	949.7
52.5°	1039.6	1037.9	1036.1	953.1	875.3	783.6	852.8	960.0	1037.9	1039.6	1041.3
55°	1152.0	1150.3	1153.8	1072.5	1010.2	913.3	975.6	1082.8	1153.8	1145.1	1145.1
57.5°	1281.8	1276.6	1285.2	1231.6	1176.3	1058.6	1124.4	1216.0	1280.0	1262.7	1264.5
60°	1435.7	1440.9	1458.2	1415.0	1352.7	1236.8	1309.4	1364.8	1432.3	1409.8	1409.8
62.5°	1638.1	1634.6	1653.7	1619.1	1539.5	1435.7	1508.4	1541.2	1619.1	1594.9	1594.9
65°	1847.4	1857.8	1868.2	1859.5	1741.9	1615.6	1695.2	1766.1	1799.0	1762.7	1760.9
67.5°	2029.0	2022.1	2058.4	2056.7	1909.7	1760.9	1831.8	1921.8	1935.6	1878.5	1880.3
70°	2042.9	2053.3	2098.2	2132.8	2008.3	1868.2	1887.2	1954.7	1933.9	1854.3	1859.5
72.5°	1852.6	1864.7	1908.0	1996.2	1968.5	1913.1	1837.0	1809.4	1745.4	1683.1	1691.7
75°	1361.3	1371.7	1472.0	1613.9	1719.4	1769.6	1634.6	1523.9	1453.0	1390.7	1404.6
77.5°	736.9	757.6	878.7	1058.6	1288.7	1395.9	1280.0	1095.0	902.9	816.5	790.5
80°	282.0	275.0	351.1	505.1	731.7	887.4	785.3	548.3	346.0	256.0	262.9
82.5°	72.7	79.6	112.4	154.0	299.3	463.6	349.4	171.2	109.0	88.2	74.4
85°	22.5	22.5	36.3	45.0	86.5	136.7	70.9	46.7	38.1	22.5	19.0
87.5°	5.2	6.9	10.4	12.1	13.8	8.6	8.6	5.2	1.7	1.7	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)