

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: P695425

Luminaire Tested: **LXF.LXT-PA16-50-750-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695425  
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-PA16-50-750-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6384 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

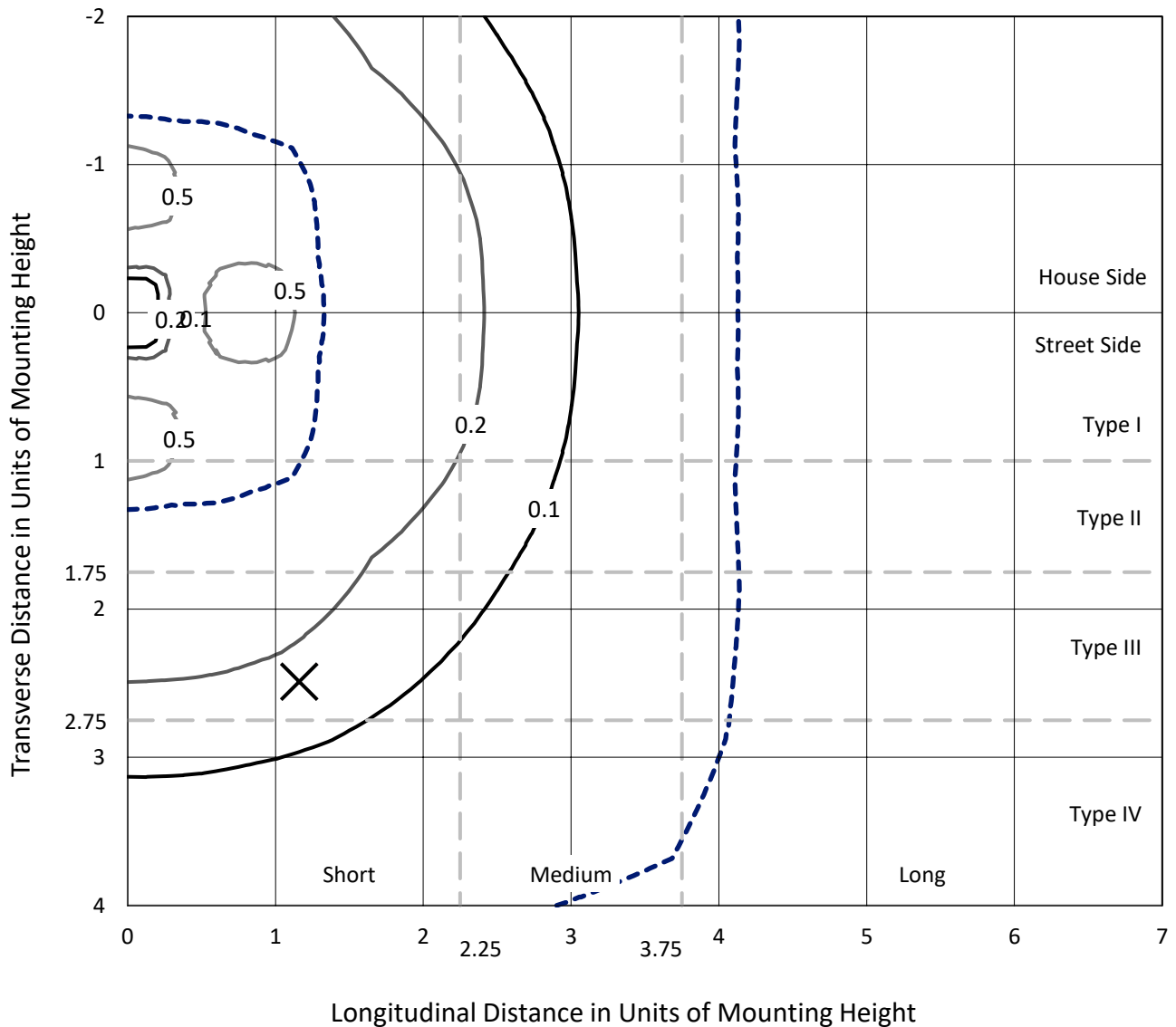
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

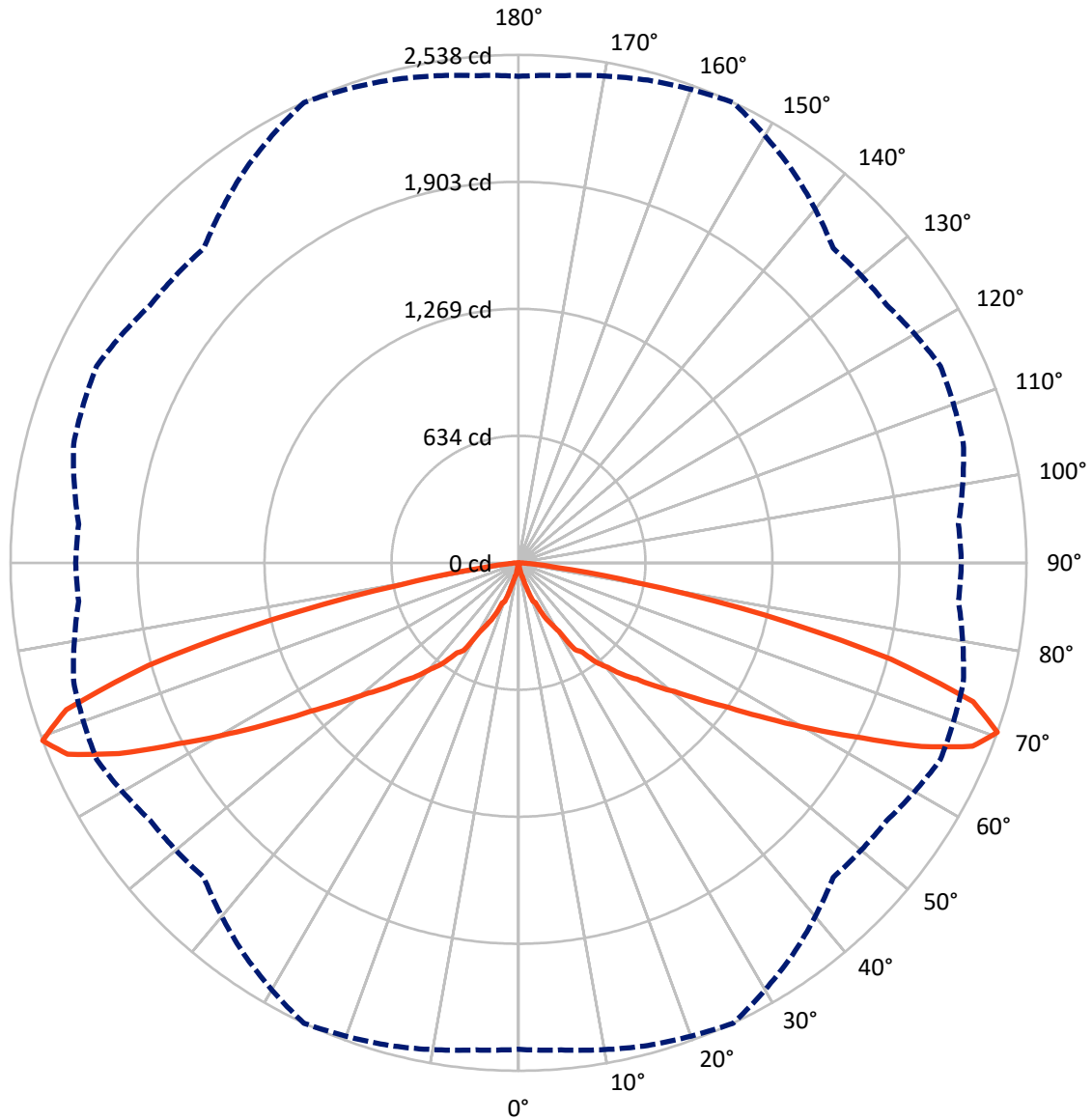
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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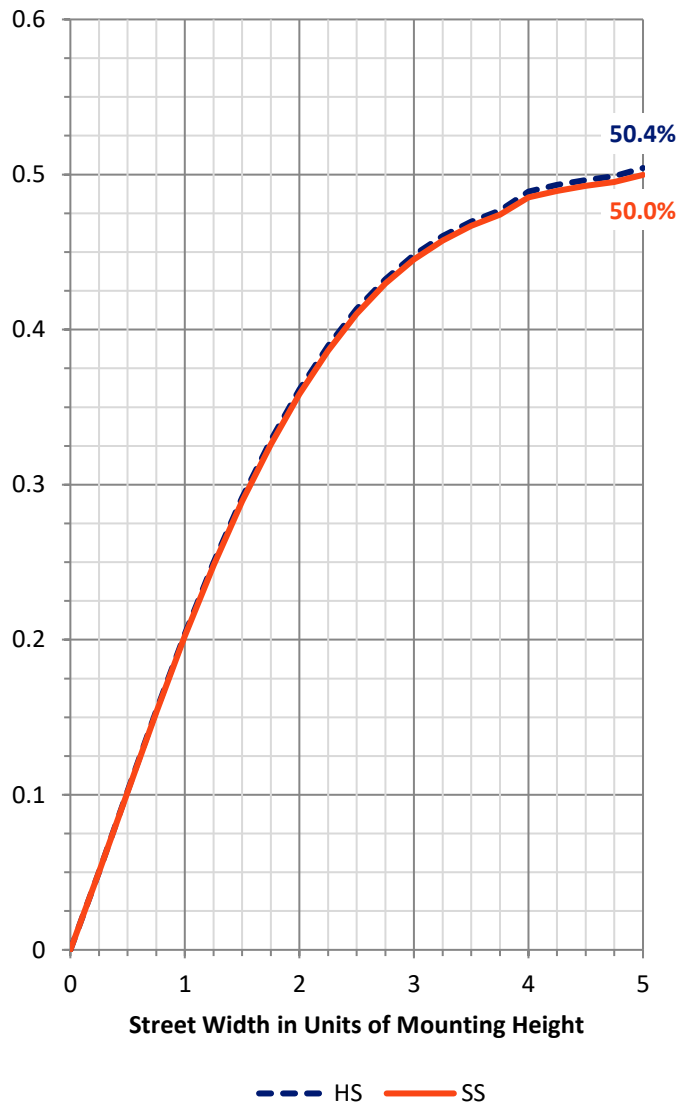
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3192.0	0.0	3192.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3192.0	0.0	3192.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6384.0	0.0	6384.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	27.8	0.4
20°-30°	148.5	2.3
30°-40°	366.8	5.7
40°-50°	655.6	10.3
50°-60°	1167.9	18.3
60°-70°	2058.1	32.2
70°-80°	1789.3	28.0
80°-90°	170.1	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°	6384.0	100.0
0°-180°	6384.0	100.0

**Coefficient of Utilization**



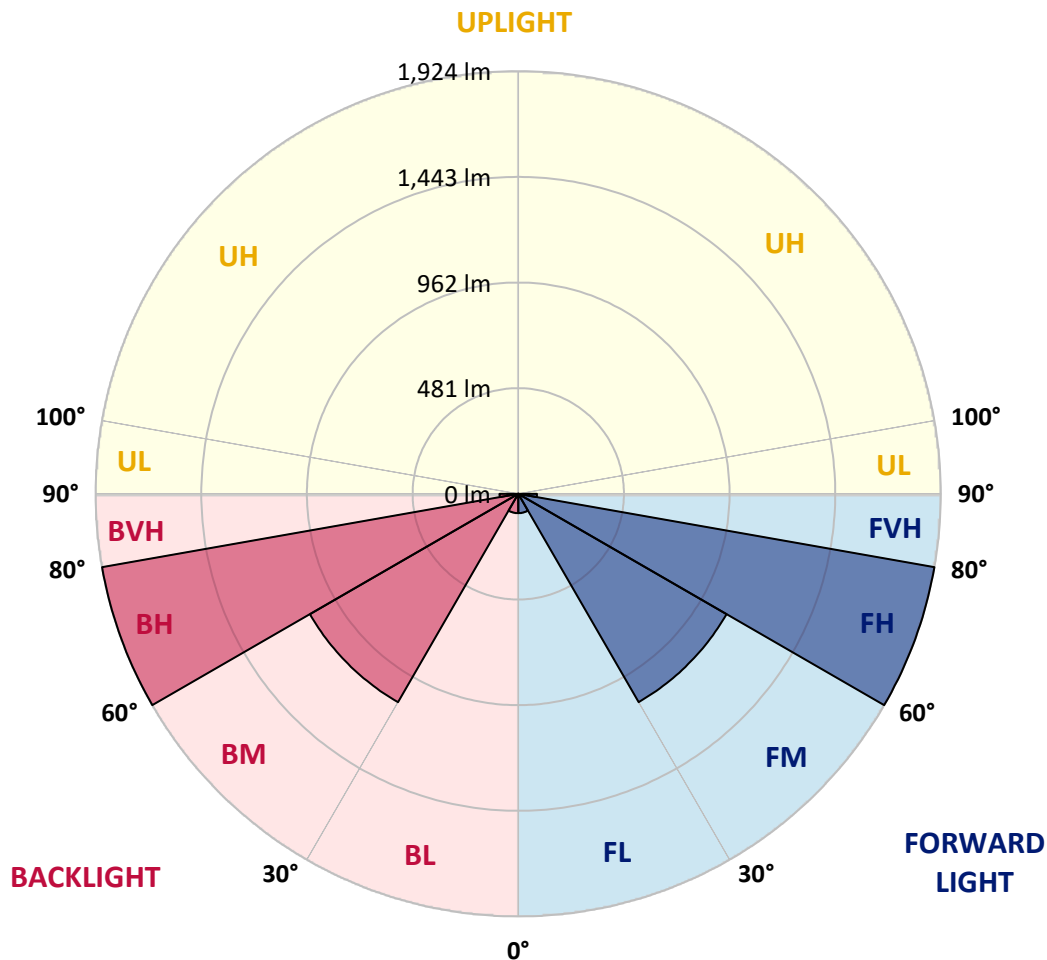
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.1	1.4			
FM (30°-60°)	1095.1	17.2			
FH (60°-80°)	1923.7	30.1			G2/5000
FVH (80°-90°)	85.0	1.3			G1/100
BL (0°-30°)	88.1	1.4	B0/110		
BM (30°-60°)	1095.1	17.2	B2/2500		
BH (60°-80°)	1923.7	30.1	B3/2500		G2/5000
BVH (80°-90°)	85.0	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-G2**

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°	16.5	16.5	12.3	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	70.0	70.0	67.9	63.8	32.9	4.1	2.1	4.1	18.5	24.7	26.8
15°	86.4	82.3	78.2	72.0	67.9	47.3	24.7	113.2	133.8	137.9	137.9
17.5°	203.7	201.7	189.3	127.6	76.1	78.2	150.2	137.9	142.0	146.1	146.1
20°	218.1	218.1	212.0	205.8	142.0	160.5	172.9	148.2	183.2	257.2	257.2
22.5°	294.3	288.1	236.7	216.1	247.0	214.0	189.3	263.4	290.2	296.3	298.4
25°	370.4	370.4	360.1	294.3	269.6	257.2	279.9	312.8	310.8	329.3	335.4
27.5°	401.3	399.2	378.7	345.7	354.0	329.3	339.6	354.0	438.3	456.9	458.9
30°	543.3	543.3	531.0	397.2	378.7	376.6	391.0	438.3	465.1	479.5	485.7
32.5°	570.1	568.0	557.7	516.5	430.1	419.8	456.9	463.0	613.3	644.1	646.2
35°	672.9	675.0	648.3	547.4	533.0	479.5	487.7	590.6	650.3	675.0	677.1
37.5°	724.4	722.3	710.0	629.7	561.8	522.7	565.9	629.7	691.5	724.4	726.5
40°	782.0	782.0	765.6	687.4	627.7	561.8	613.3	683.2	757.3	782.0	784.1
42.5°	841.7	845.8	829.4	763.5	683.2	607.1	668.8	747.0	833.5	845.8	849.9
45°	936.4	930.2	911.7	829.4	742.9	662.7	728.5	827.3	917.8	934.3	938.4
47.5°	1033.1	1026.9	1004.3	919.9	823.2	732.6	806.7	926.1	1016.6	1029.0	1039.3
50°	1129.8	1121.6	1115.4	1010.5	919.9	825.2	899.3	1029.0	1115.4	1127.8	1129.8
52.5°	1236.8	1234.8	1232.7	1133.9	1041.3	932.3	1014.6	1142.2	1234.8	1236.8	1238.9
55°	1370.6	1368.5	1372.7	1275.9	1201.8	1086.6	1160.7	1288.3	1372.7	1362.4	1362.4
57.5°	1524.9	1518.8	1529.1	1465.3	1399.4	1259.5	1337.7	1446.7	1522.9	1502.3	1504.4
60°	1708.1	1714.3	1734.9	1683.4	1609.3	1471.4	1557.9	1623.7	1704.0	1677.2	1677.2
62.5°	1948.9	1944.8	1967.4	1926.2	1831.6	1708.1	1794.5	1833.6	1926.2	1897.4	1897.4
65°	2197.9	2210.2	2222.6	2212.3	2072.4	1922.1	2016.8	2101.2	2140.3	2097.0	2095.0
67.5°	2414.0	2405.7	2449.0	2446.9	2272.0	2095.0	2179.4	2286.4	2302.8	2234.9	2237.0
70°	2430.4	2442.8	2496.3	2537.5	2389.3	2222.6	2245.2	2325.5	2300.8	2206.1	2212.3
72.5°	2204.1	2218.5	2269.9	2374.9	2341.9	2276.1	2185.5	2152.6	2076.5	2002.4	2012.7
75°	1619.6	1632.0	1751.3	1920.1	2045.6	2105.3	1944.8	1813.1	1728.7	1654.6	1671.1
77.5°	876.7	901.4	1045.4	1259.5	1533.2	1660.8	1522.9	1302.7	1074.2	971.4	940.5
80°	335.4	327.2	417.8	600.9	870.5	1055.7	934.3	652.4	411.6	304.6	312.8
82.5°	86.4	94.7	133.8	183.2	356.0	551.5	415.7	203.7	129.7	105.0	88.5
85°	26.8	26.8	43.2	53.5	102.9	162.6	84.4	55.6	45.3	26.8	22.6
87.5°	6.2	8.2	12.3	14.4	16.5	10.3	10.3	6.2	2.1	2.1	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)