

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: P696025

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696025  
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-PA16-827-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6043 lumens  
Efficiency: N/A  
Efficacy: 83.9 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

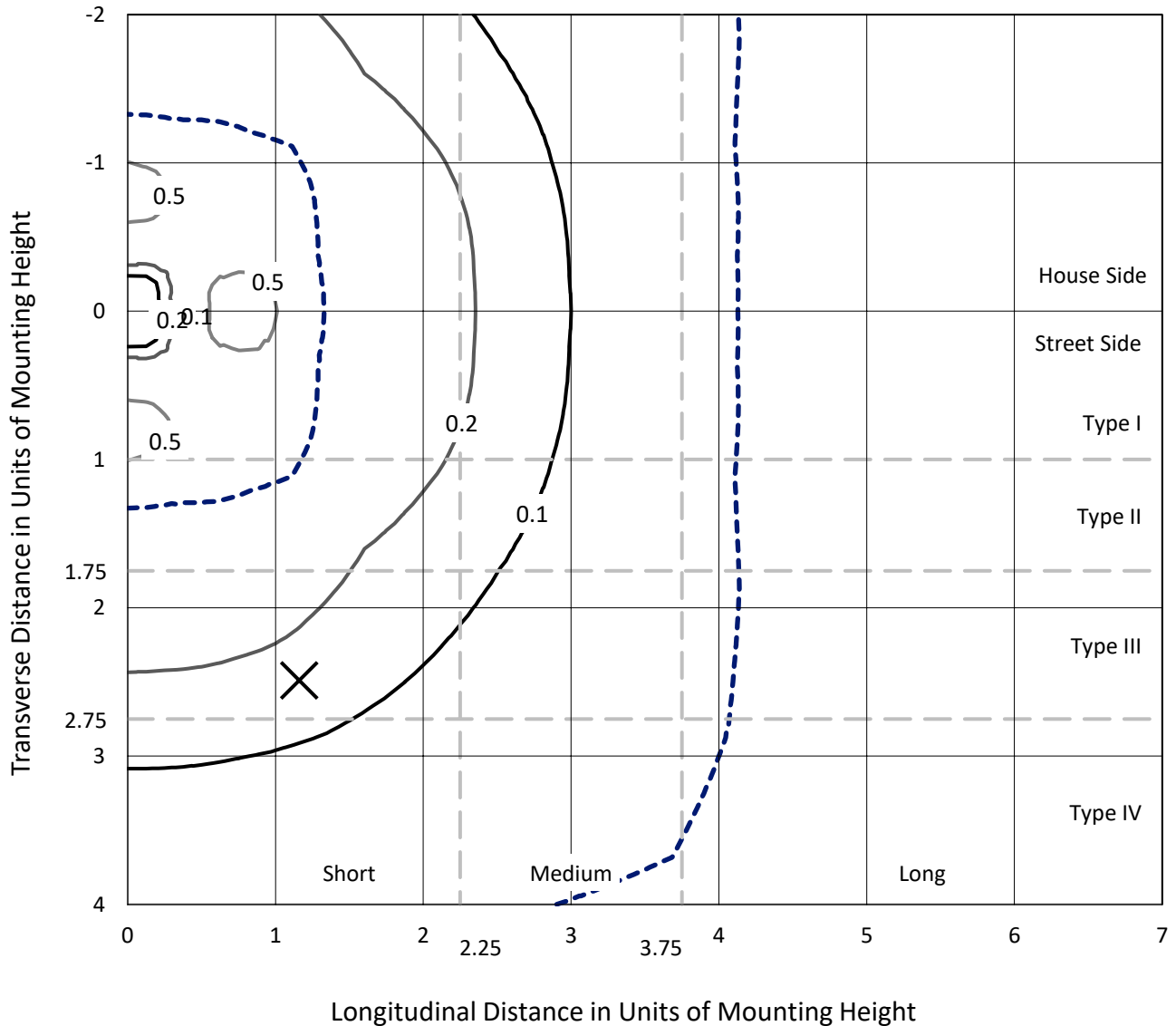
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

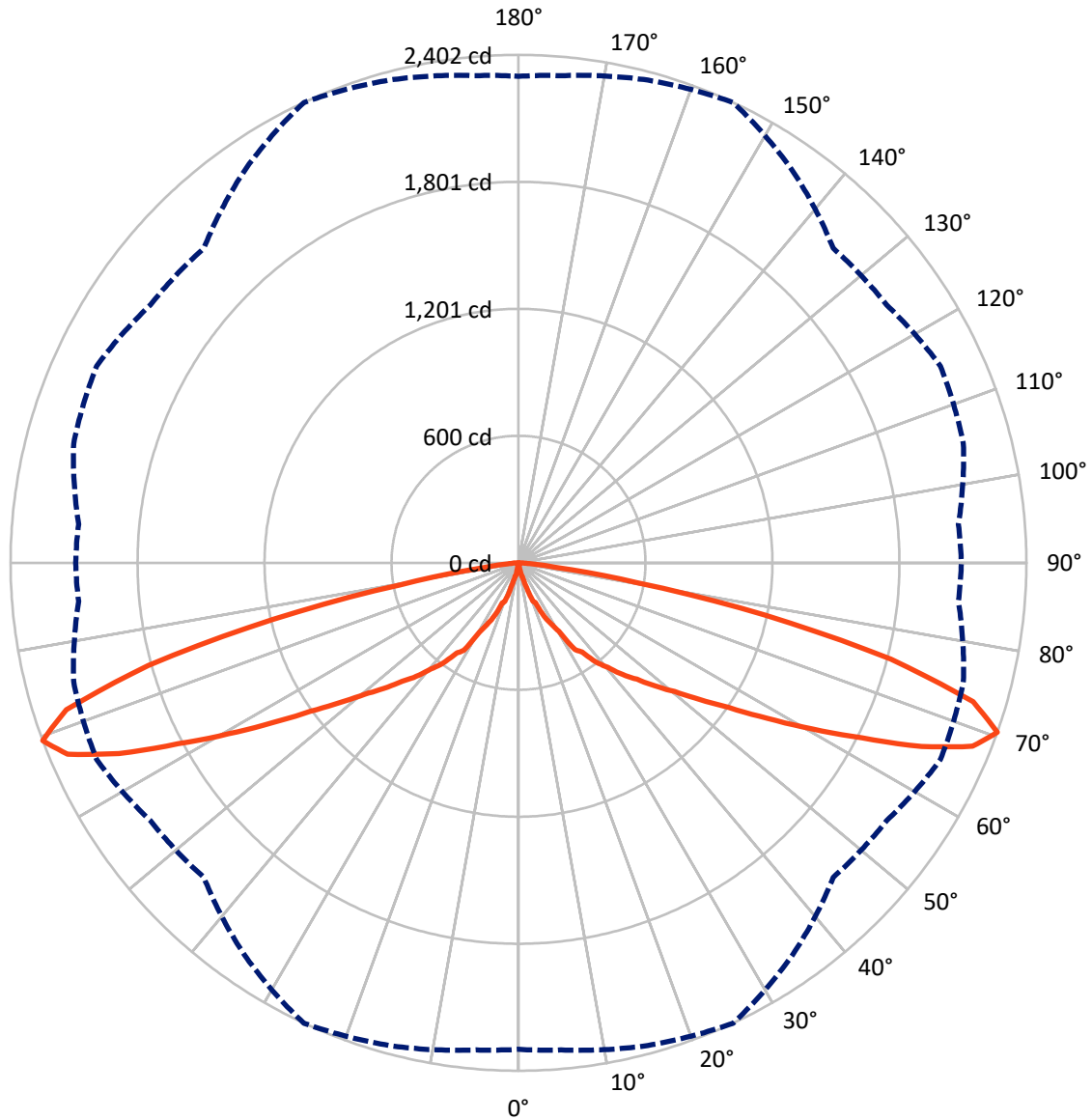
✕ Max cd  
 - - - 1/2 Max cd



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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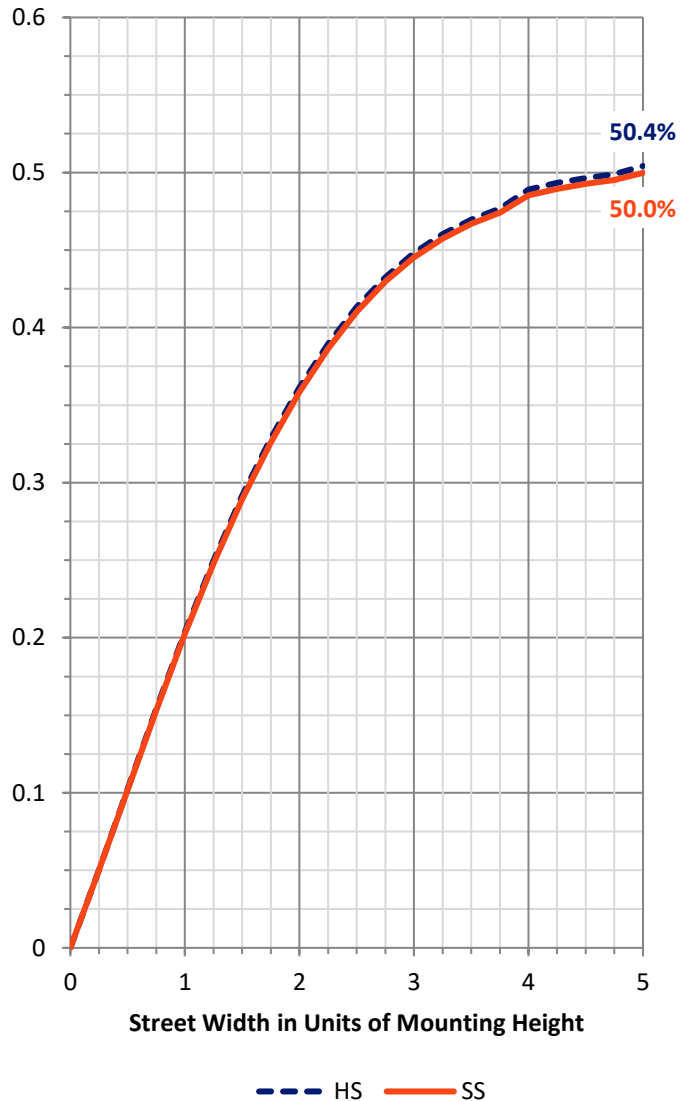
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3021.5	0.0	3021.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3021.5	0.0	3021.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6043.0	0.0	6043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.3	0.4
20°-30°	140.5	2.3
30°-40°	347.2	5.7
40°-50°	620.5	10.3
50°-60°	1105.5	18.3
60°-70°	1948.2	32.2
70°-80°	1693.7	28.0
80°-90°	161.0	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°	6043.0	100.0
0°-180°	6043.0	100.0

**Coefficient of Utilization**



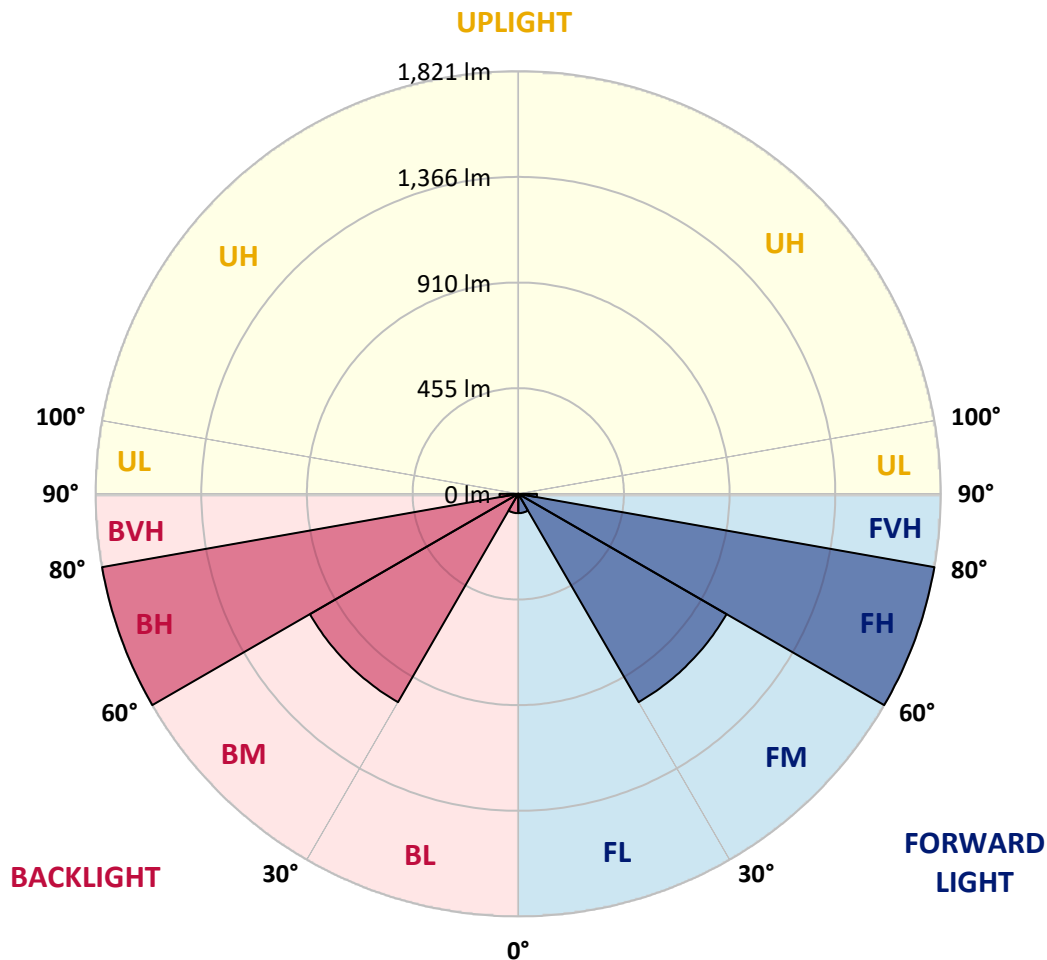
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.4	1.4			
FM (30°-60°)	1036.6	17.2			
FH (60°-80°)	1820.9	30.1			G2/5000
FVH (80°-90°)	80.5	1.3			G1/100
BL (0°-30°)	83.4	1.4	B0/110		
BM (30°-60°)	1036.6	17.2	B2/2500		
BH (60°-80°)	1820.9	30.1	B3/2500		G2/5000
BVH (80°-90°)	80.5	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-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°	15.6	15.6	11.7	5.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	66.2	66.2	64.3	60.4	31.2	3.9	1.9	3.9	17.5	23.4	25.3
15°	81.8	77.9	74.0	68.2	64.3	44.8	23.4	107.1	126.6	130.5	130.5
17.5°	192.9	190.9	179.2	120.8	72.1	74.0	142.2	130.5	134.4	138.3	138.3
20°	206.5	206.5	200.6	194.8	134.4	151.9	163.6	140.3	173.4	243.5	243.5
22.5°	278.6	272.7	224.0	204.5	233.8	202.6	179.2	249.3	274.7	280.5	282.5
25°	350.6	350.6	340.9	278.6	255.2	243.5	264.9	296.1	294.2	311.7	317.5
27.5°	379.9	377.9	358.4	327.3	335.1	311.7	321.4	335.1	414.9	432.5	434.4
30°	514.3	514.3	502.6	376.0	358.4	356.5	370.1	414.9	440.3	453.9	459.7
32.5°	539.6	537.7	527.9	489.0	407.1	397.4	432.5	438.3	580.5	609.7	611.7
35°	637.0	639.0	613.6	518.2	504.5	453.9	461.7	559.1	615.6	639.0	640.9
37.5°	685.7	683.8	672.1	596.1	531.8	494.8	535.7	596.1	654.5	685.7	687.7
40°	740.2	740.2	724.7	650.6	594.1	531.8	580.5	646.7	716.9	740.2	742.2
42.5°	796.7	800.6	785.1	722.7	646.7	574.7	633.1	707.1	788.9	800.6	804.5
45°	886.4	880.5	863.0	785.1	703.2	627.3	689.6	783.1	868.8	884.4	888.3
47.5°	977.9	972.1	950.6	870.8	779.2	693.5	763.6	876.6	962.3	974.0	983.8
50°	1069.5	1061.7	1055.8	956.5	870.8	781.2	851.3	974.0	1055.8	1067.5	1069.5
52.5°	1170.8	1168.8	1166.9	1073.4	985.7	882.5	960.4	1081.2	1168.8	1170.8	1172.7
55°	1297.4	1295.4	1299.3	1207.8	1137.6	1028.6	1098.7	1219.5	1299.3	1289.6	1289.6
57.5°	1443.5	1437.6	1447.4	1387.0	1324.7	1192.2	1266.2	1369.5	1441.5	1422.1	1424.0
60°	1616.9	1622.7	1642.2	1593.5	1523.4	1392.8	1474.7	1537.0	1613.0	1587.6	1587.6
62.5°	1844.8	1840.9	1862.3	1823.3	1733.7	1616.9	1698.7	1735.7	1823.3	1796.1	1796.1
65°	2080.5	2092.2	2103.9	2094.1	1961.7	1819.5	1909.1	1988.9	2025.9	1985.0	1983.1
67.5°	2285.0	2277.2	2318.1	2316.2	2150.6	1983.1	2063.0	2164.3	2179.8	2115.6	2117.5
70°	2300.6	2312.3	2363.0	2401.9	2261.7	2103.9	2125.3	2201.3	2177.9	2088.3	2094.1
72.5°	2086.3	2100.0	2148.7	2248.0	2216.9	2154.5	2068.8	2037.6	1965.6	1895.4	1905.2
75°	1533.1	1544.8	1657.8	1817.5	1936.3	1992.8	1840.9	1716.2	1636.3	1566.2	1581.8
77.5°	829.9	853.2	989.6	1192.2	1451.3	1572.1	1441.5	1233.1	1016.9	919.5	890.2
80°	317.5	309.7	395.4	568.8	824.0	999.3	884.4	617.5	389.6	288.3	296.1
82.5°	81.8	89.6	126.6	173.4	337.0	522.1	393.5	192.9	122.7	99.3	83.8
85°	25.3	25.3	40.9	50.6	97.4	153.9	79.9	52.6	42.9	25.3	21.4
87.5°	5.8	7.8	11.7	13.6	15.6	9.7	9.7	5.8	1.9	1.9	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)