

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: P695125

Luminaire Tested: **LXF.LXT-PA16-40-740-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695125  
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-PA16-40-740-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5071 lumens  
Efficiency: N/A  
Efficacy: 126.1 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

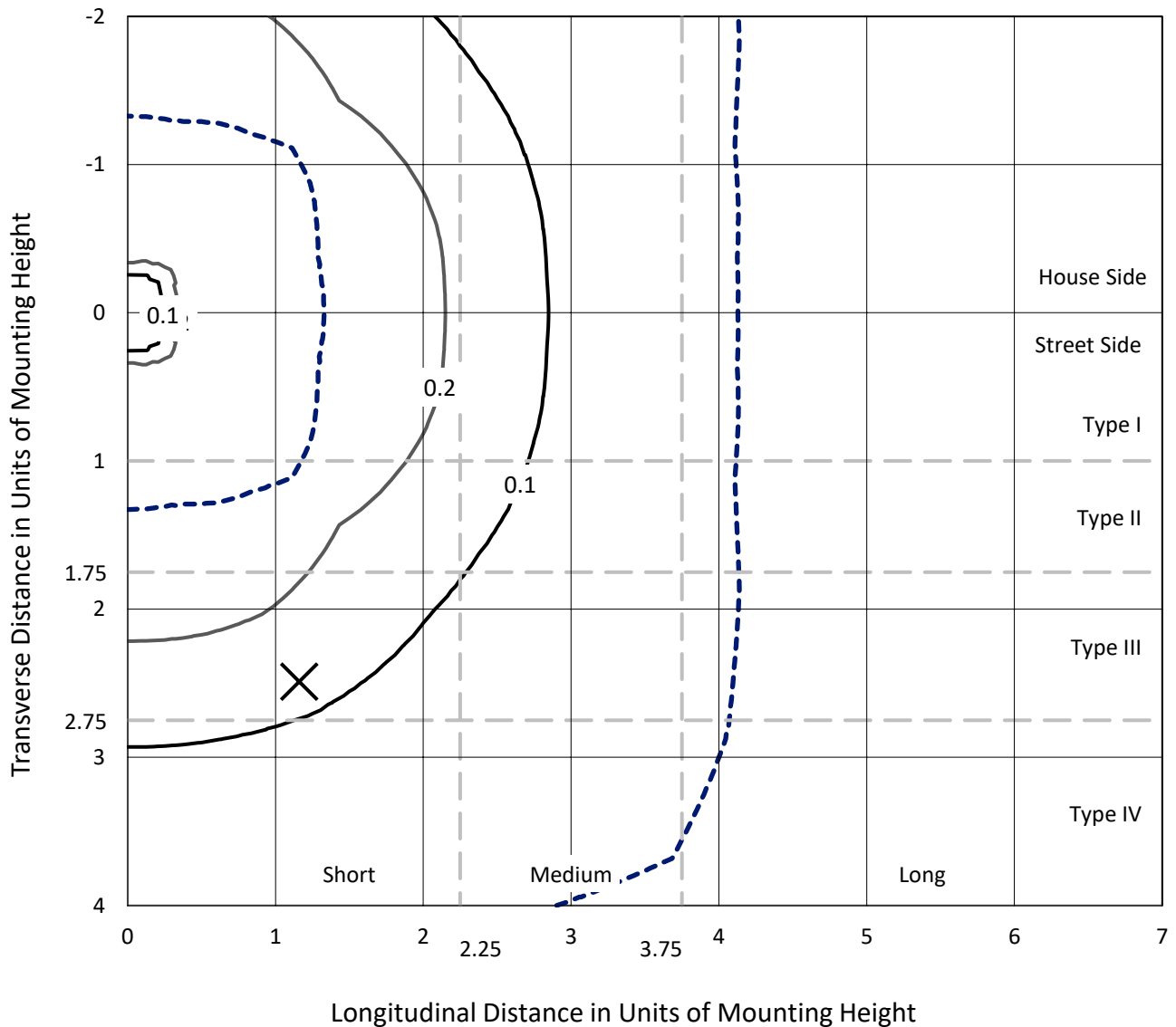
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

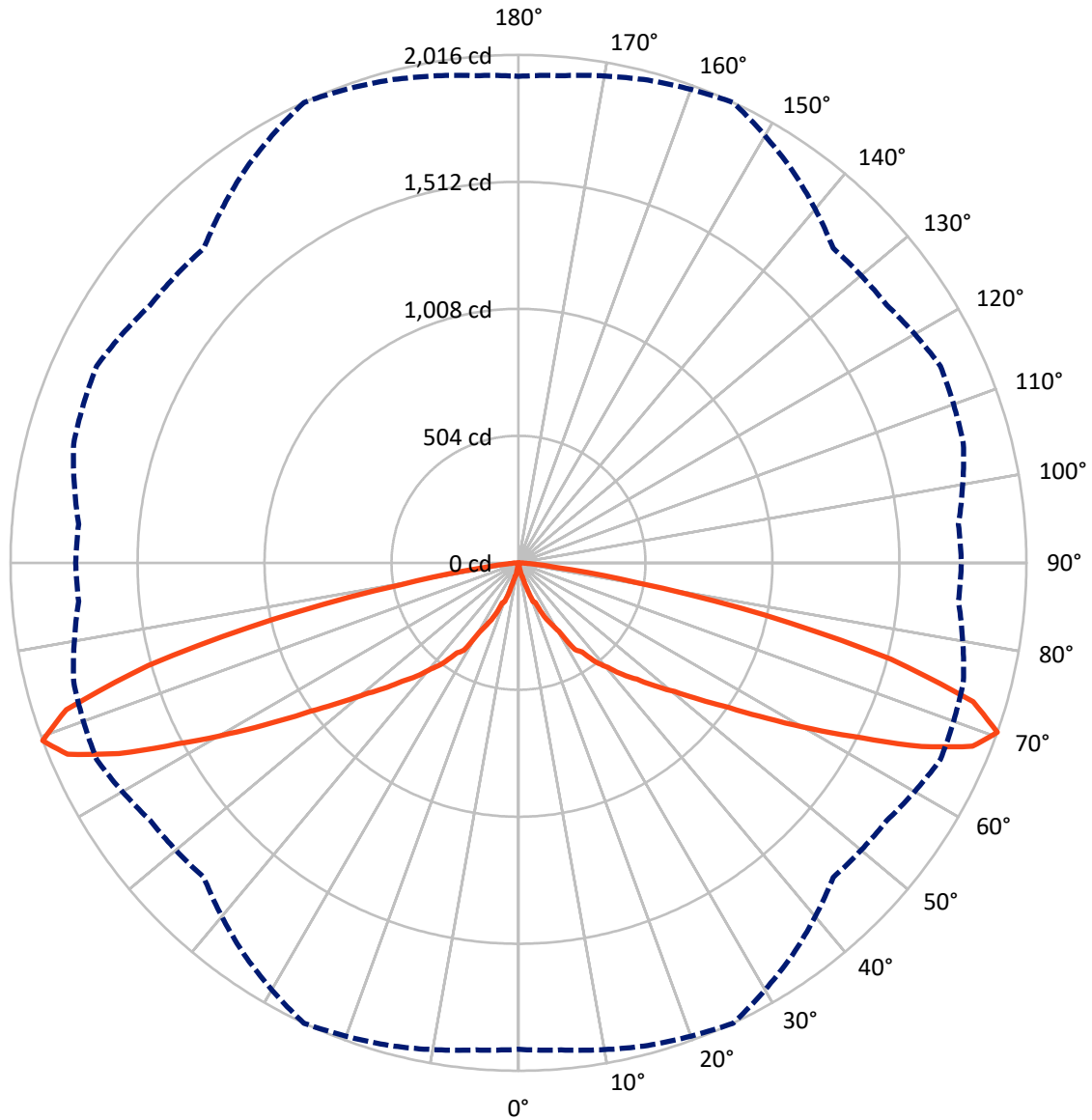
× Max cd  
 - - - 1/2 Max cd



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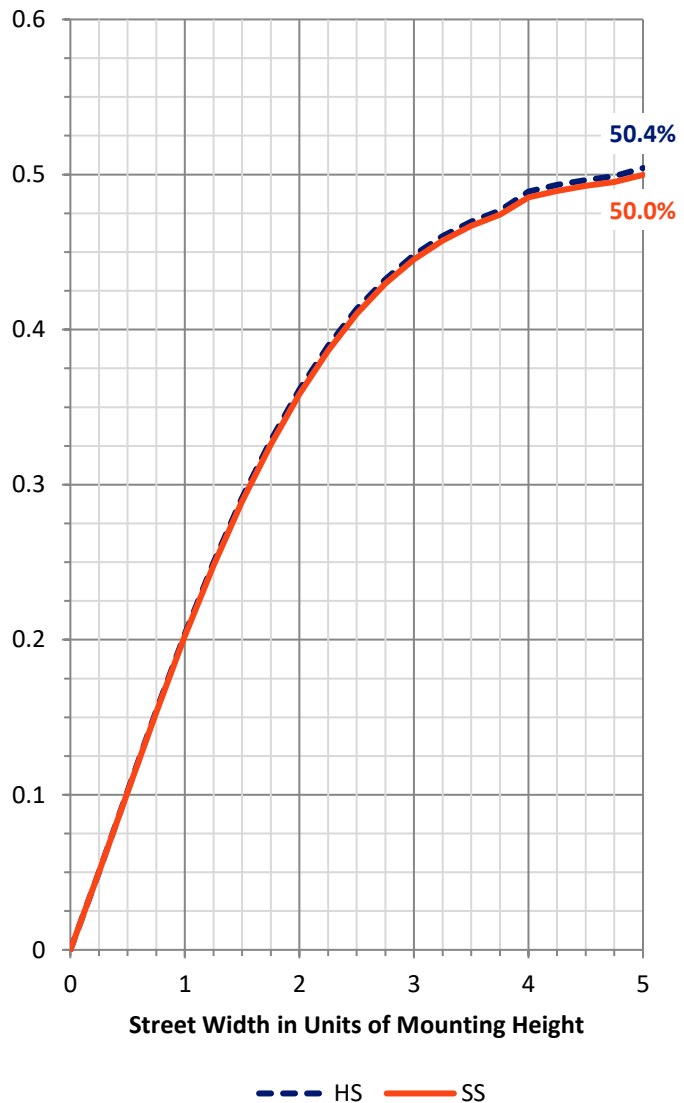
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2535.5	0.0	2535.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2535.5	0.0	2535.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5071.0	0.0	5071.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	22.0	0.4
20°-30°	117.9	2.3
30°-40°	291.4	5.7
40°-50°	520.7	10.3
50°-60°	927.7	18.3
60°-70°	1634.8	32.2
70°-80°	1421.3	28.0
80°-90°	135.1	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°	5071.0	100.0
0°-180°	5071.0	100.0

**Coefficient of Utilization**



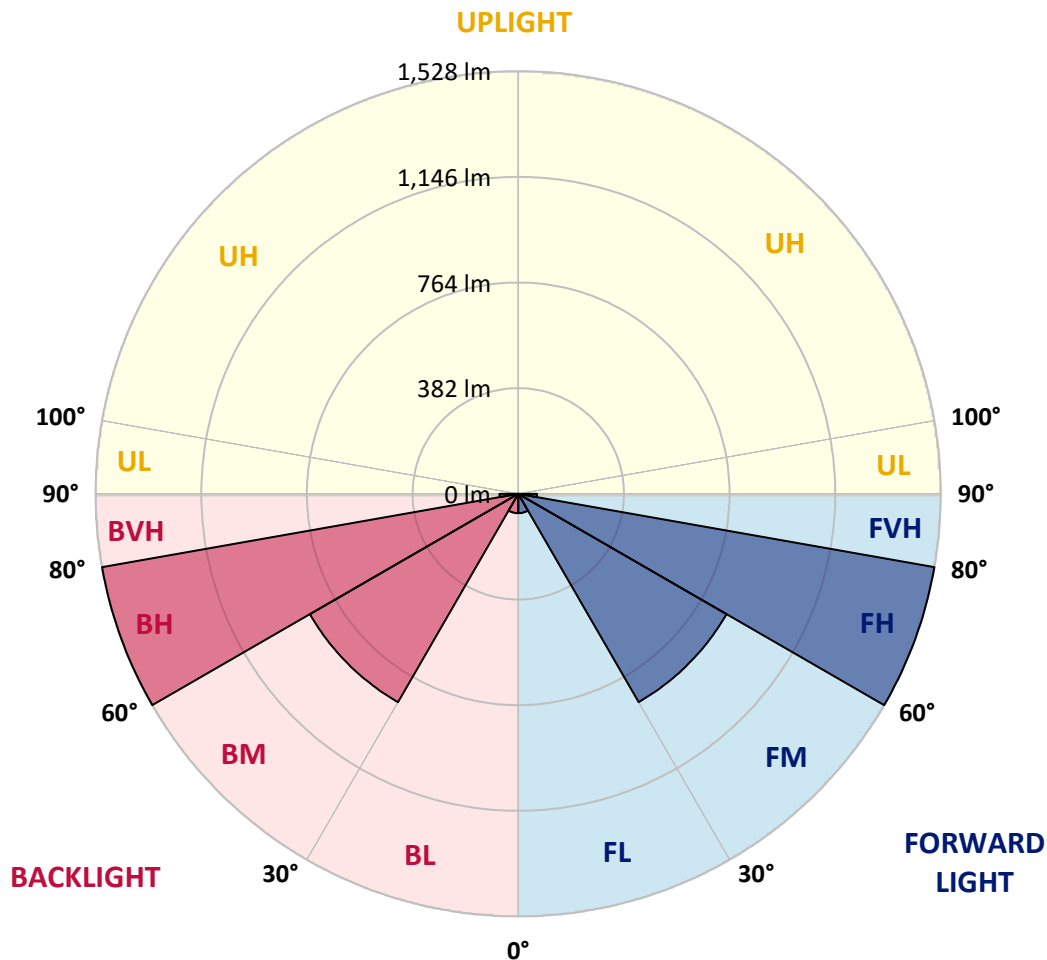
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	70.0	1.4			
FM (30°-60°)	869.9	17.2			
FH (60°-80°)	1528.1	30.1			G1/1800
FVH (80°-90°)	67.5	1.3			G1/100
BL (0°-30°)	70.0	1.4	B0/110		
BM (30°-60°)	869.9	17.2	B1/1000		
BH (60°-80°)	1528.1	30.1	B3/2500		G1/1800
BVH (80°-90°)	67.5	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°	13.1	13.1	9.8	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	55.6	55.6	53.9	50.7	26.2	3.3	1.6	3.3	14.7	19.6	21.3
15°	68.7	65.4	62.1	57.2	53.9	37.6	19.6	89.9	106.3	109.5	109.5
17.5°	161.8	160.2	150.4	101.4	60.5	62.1	119.3	109.5	112.8	116.1	116.1
20°	173.3	173.3	168.4	163.5	112.8	127.5	137.3	117.7	145.5	204.3	204.3
22.5°	233.8	228.9	188.0	171.6	196.2	170.0	150.4	209.2	230.5	235.4	237.0
25°	294.2	294.2	286.1	233.8	214.1	204.3	222.3	248.5	246.8	261.6	266.5
27.5°	318.8	317.1	300.8	274.6	281.2	261.6	269.7	281.2	348.2	362.9	364.5
30°	431.6	431.6	421.7	315.5	300.8	299.1	310.6	348.2	369.4	380.9	385.8
32.5°	452.8	451.2	443.0	410.3	341.7	333.5	362.9	367.8	487.1	511.7	513.3
35°	534.5	536.2	514.9	434.8	423.4	380.9	387.4	469.2	516.6	536.2	537.8
37.5°	575.4	573.8	564.0	500.2	446.3	415.2	449.5	500.2	549.3	575.4	577.0
40°	621.2	621.2	608.1	546.0	498.6	446.3	487.1	542.7	601.6	621.2	622.8
42.5°	668.6	671.9	658.8	606.5	542.7	482.2	531.3	593.4	662.0	671.9	675.1
45°	743.8	738.9	724.2	658.8	590.1	526.4	578.7	657.1	729.1	742.1	745.4
47.5°	820.6	815.7	797.7	730.7	653.9	581.9	640.8	735.6	807.5	817.3	825.5
50°	897.4	890.9	886.0	802.6	730.7	655.5	714.4	817.3	886.0	895.8	897.4
52.5°	982.4	980.8	979.2	900.7	827.2	740.5	805.9	907.3	980.8	982.4	984.1
55°	1088.7	1087.1	1090.3	1013.5	954.7	863.1	922.0	1023.3	1090.3	1082.2	1082.2
57.5°	1211.3	1206.4	1214.6	1163.9	1111.6	1000.4	1062.5	1149.2	1209.7	1193.3	1195.0
60°	1356.8	1361.7	1378.0	1337.2	1278.3	1168.8	1237.5	1289.8	1353.5	1332.3	1332.3
62.5°	1548.1	1544.8	1562.8	1530.1	1454.9	1356.8	1425.4	1456.5	1530.1	1507.2	1507.2
65°	1745.8	1755.7	1765.5	1757.3	1646.1	1526.8	1602.0	1669.0	1700.1	1665.7	1664.1
67.5°	1917.5	1911.0	1945.3	1943.6	1804.7	1664.1	1731.1	1816.1	1829.2	1775.3	1776.9
70°	1930.6	1940.4	1982.9	2015.6	1897.9	1765.5	1783.4	1847.2	1827.6	1752.4	1757.3
72.5°	1750.8	1762.2	1803.1	1886.4	1860.3	1808.0	1736.0	1709.9	1649.4	1590.6	1598.7
75°	1286.5	1296.3	1391.1	1525.2	1624.9	1672.3	1544.8	1440.2	1373.1	1314.3	1327.4
77.5°	696.4	716.0	830.4	1000.4	1217.8	1319.2	1209.7	1034.8	853.3	771.6	747.1
80°	266.5	259.9	331.8	477.3	691.5	838.6	742.1	518.2	326.9	241.9	248.5
82.5°	68.7	75.2	106.3	145.5	282.8	438.1	330.2	161.8	103.0	83.4	70.3
85°	21.3	21.3	34.3	42.5	81.7	129.1	67.0	44.1	36.0	21.3	18.0
87.5°	4.9	6.5	9.8	11.4	13.1	8.2	8.2	4.9	1.6	1.6	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)