

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: P694495

Luminaire Tested: **LXF.LXT-PA16-20-727-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694495  
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-PA16-20-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2607 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

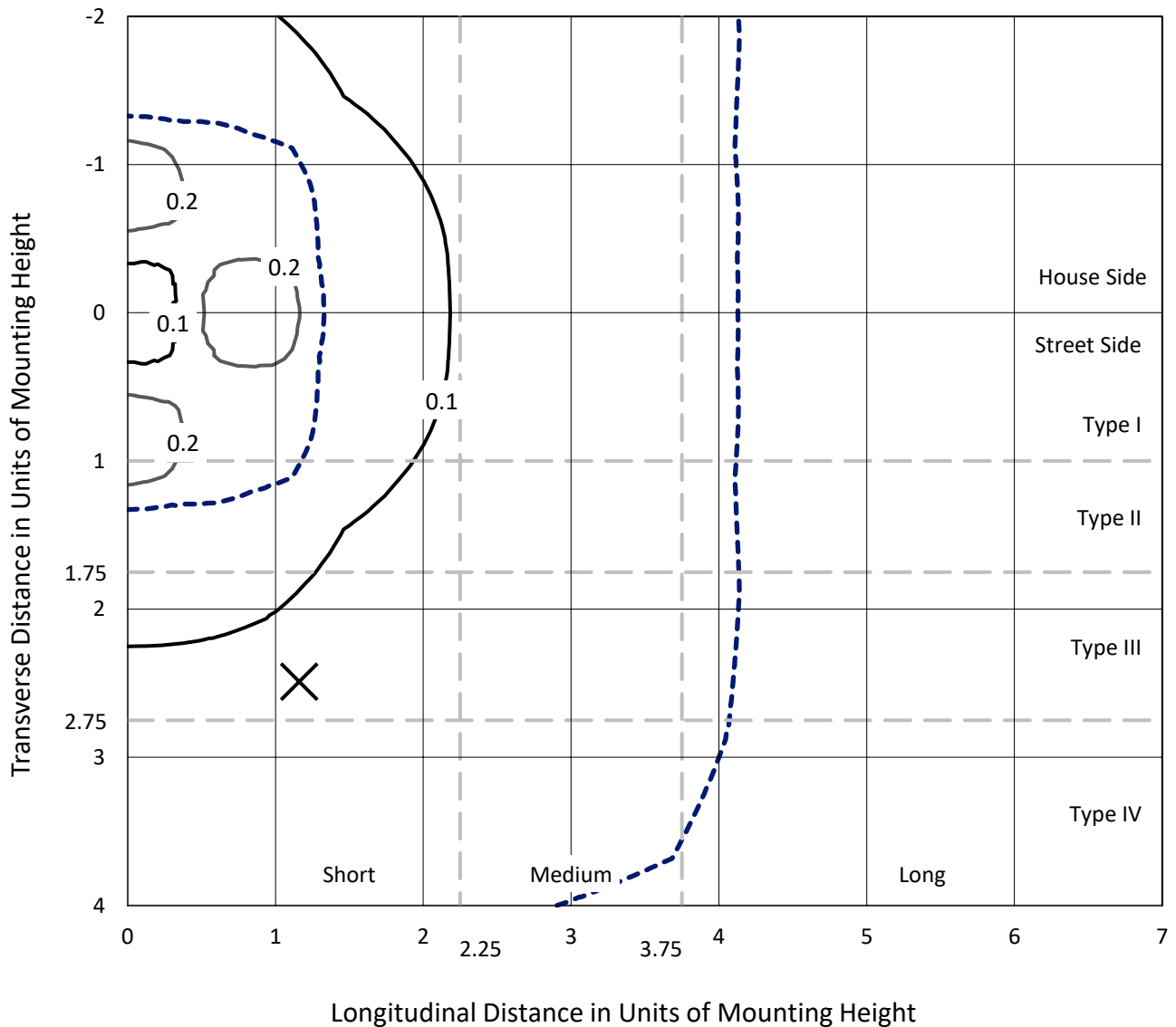
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

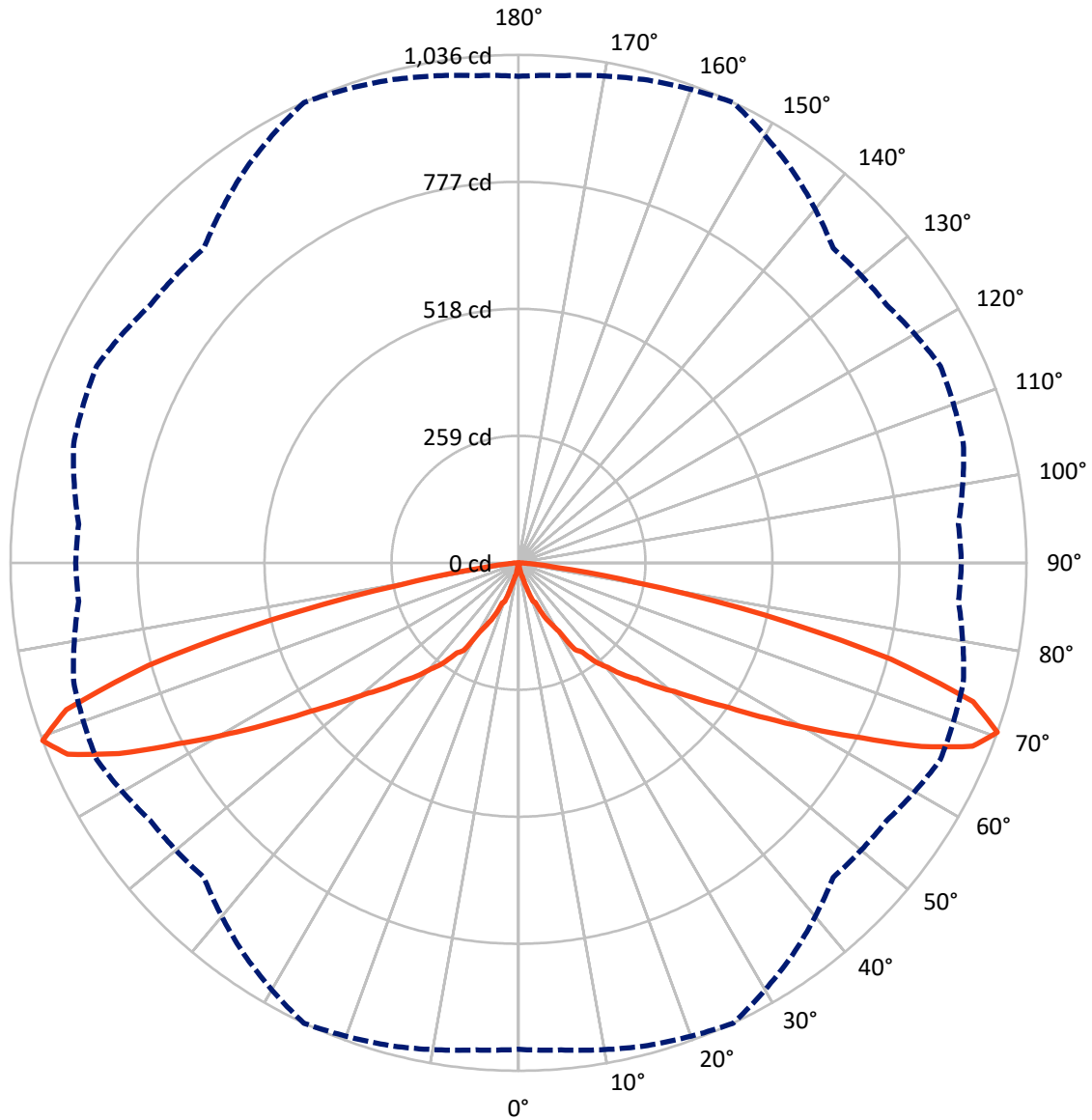
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 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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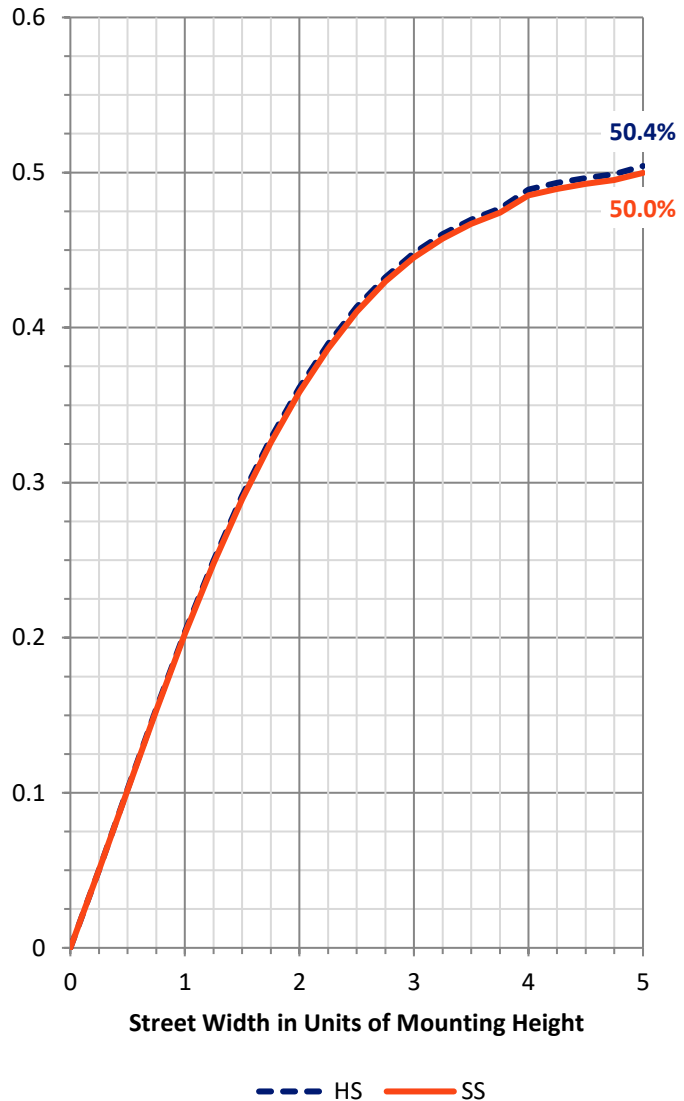
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1303.5	0.0	1303.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1303.5	0.0	1303.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2607.0	0.0	2607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	11.3	0.4
20°-30°	60.6	2.3
30°-40°	149.8	5.7
40°-50°	267.7	10.3
50°-60°	476.9	18.3
60°-70°	840.5	32.2
70°-80°	730.7	28.0
80°-90°	69.4	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°	2607.0	100.0
0°-180°	2607.0	100.0

**Coefficient of Utilization**



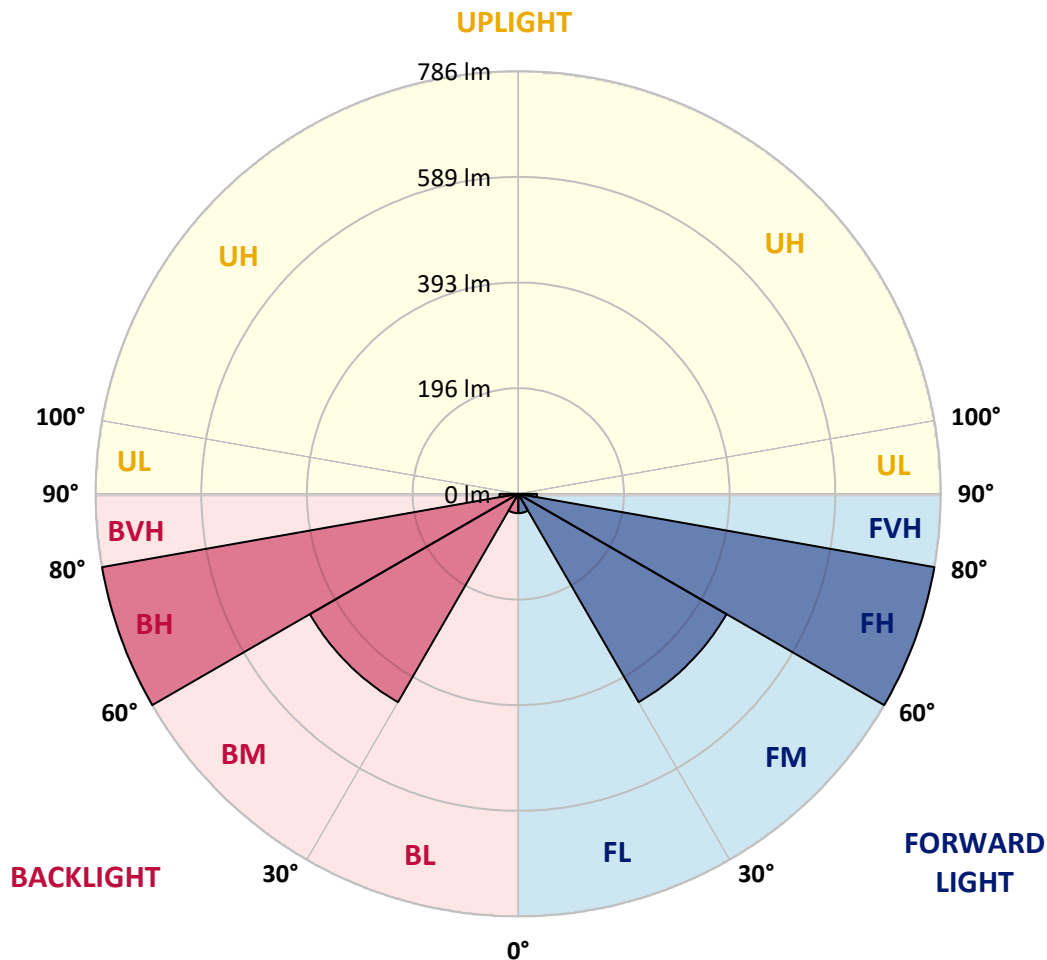
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	36.0	1.4			
FM (30°-60°)	447.2	17.2			
FH (60°-80°)	785.6	30.1			G1/1800
FVH (80°-90°)	34.7	1.3			G1/100
BL (0°-30°)	36.0	1.4	B0/110		
BM (30°-60°)	447.2	17.2	B1/1000		
BH (60°-80°)	785.6	30.1	B2/1000		G1/1800
BVH (80°-90°)	34.7	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-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°	6.7	6.7	5.0	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	28.6	28.6	27.7	26.1	13.4	1.7	0.8	1.7	7.6	10.1	10.9
15°	35.3	33.6	31.9	29.4	27.7	19.3	10.1	46.2	54.6	56.3	56.3
17.5°	83.2	82.4	77.3	52.1	31.1	31.9	61.3	56.3	58.0	59.7	59.7
20°	89.1	89.1	86.6	84.0	58.0	65.6	70.6	60.5	74.8	105.0	105.0
22.5°	120.2	117.7	96.6	88.2	100.8	87.4	77.3	107.6	118.5	121.0	121.9
25°	151.3	151.3	147.1	120.2	110.1	105.0	114.3	127.7	126.9	134.5	137.0
27.5°	163.9	163.0	154.6	141.2	144.5	134.5	138.7	144.5	179.0	186.6	187.4
30°	221.9	221.9	216.8	162.2	154.6	153.8	159.7	179.0	189.9	195.8	198.3
32.5°	232.8	231.9	227.7	210.9	175.6	171.4	186.6	189.1	250.4	263.0	263.9
35°	274.8	275.6	264.7	223.5	217.7	195.8	199.2	241.2	265.6	275.6	276.5
37.5°	295.8	295.0	289.9	257.2	229.4	213.5	231.1	257.2	282.4	295.8	296.7
40°	319.3	319.3	312.6	280.7	256.3	229.4	250.4	279.0	309.3	319.3	320.2
42.5°	343.7	345.4	338.7	311.8	279.0	247.9	273.1	305.1	340.4	345.4	347.1
45°	382.4	379.9	372.3	338.7	303.4	270.6	297.5	337.8	374.8	381.5	383.2
47.5°	421.9	419.4	410.1	375.7	336.2	299.2	329.4	378.2	415.2	420.2	424.4
50°	461.4	458.0	455.5	412.6	375.7	337.0	367.3	420.2	455.5	460.5	461.4
52.5°	505.1	504.2	503.4	463.1	425.2	380.7	414.3	466.4	504.2	505.1	505.9
55°	559.7	558.9	560.5	521.0	490.8	443.7	474.0	526.1	560.5	556.3	556.3
57.5°	622.7	620.2	624.4	598.4	571.5	514.3	546.3	590.8	621.9	613.5	614.3
60°	697.5	700.0	708.5	687.4	657.2	600.9	636.2	663.1	695.8	684.9	684.9
62.5°	795.9	794.2	803.4	786.6	748.0	697.5	732.8	748.8	786.6	774.8	774.8
65°	897.5	902.6	907.6	903.4	846.3	784.9	823.6	858.0	874.0	856.4	855.5
67.5°	985.8	982.4	1000.1	999.2	927.8	855.5	890.0	933.7	940.4	912.7	913.5
70°	992.5	997.5	1019.4	1036.2	975.7	907.6	916.9	949.6	939.6	900.9	903.4
72.5°	900.1	905.9	927.0	969.8	956.4	929.5	892.5	879.1	848.0	817.7	821.9
75°	661.4	666.4	715.2	784.1	835.4	859.7	794.2	740.4	705.9	675.7	682.4
77.5°	358.0	368.1	426.9	514.3	626.1	678.2	621.9	532.0	438.7	396.7	384.1
80°	137.0	133.6	170.6	245.4	355.5	431.1	381.5	266.4	168.1	124.4	127.7
82.5°	35.3	38.7	54.6	74.8	145.4	225.2	169.8	83.2	52.9	42.9	36.1
85°	10.9	10.9	17.6	21.9	42.0	66.4	34.5	22.7	18.5	10.9	9.2
87.5°	2.5	3.4	5.0	5.9	6.7	4.2	4.2	2.5	0.8	0.8	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)