

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: P414401

Luminaire Tested: **LXF.LXT-PA1-20-827-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-827-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2158 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G1

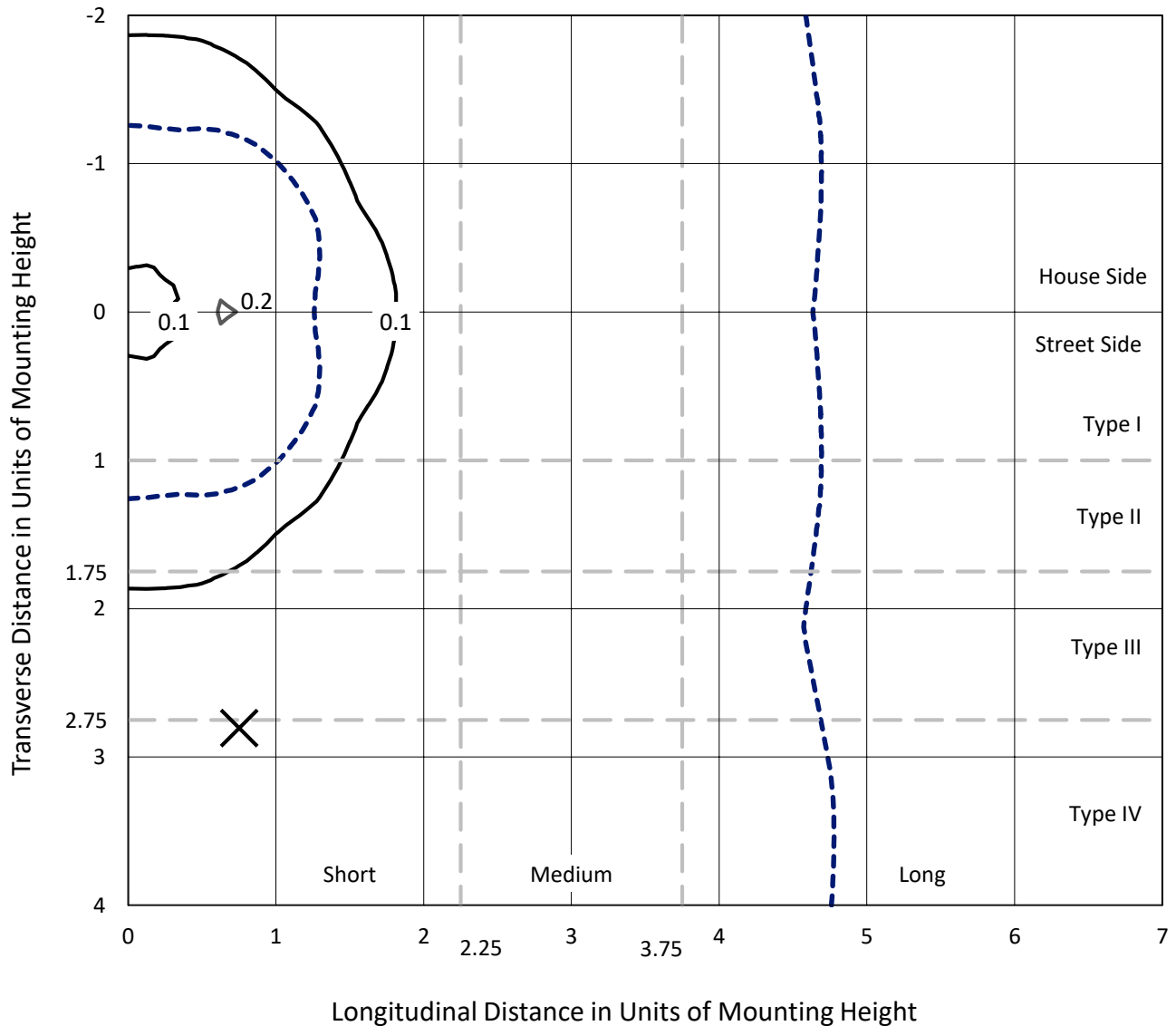
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

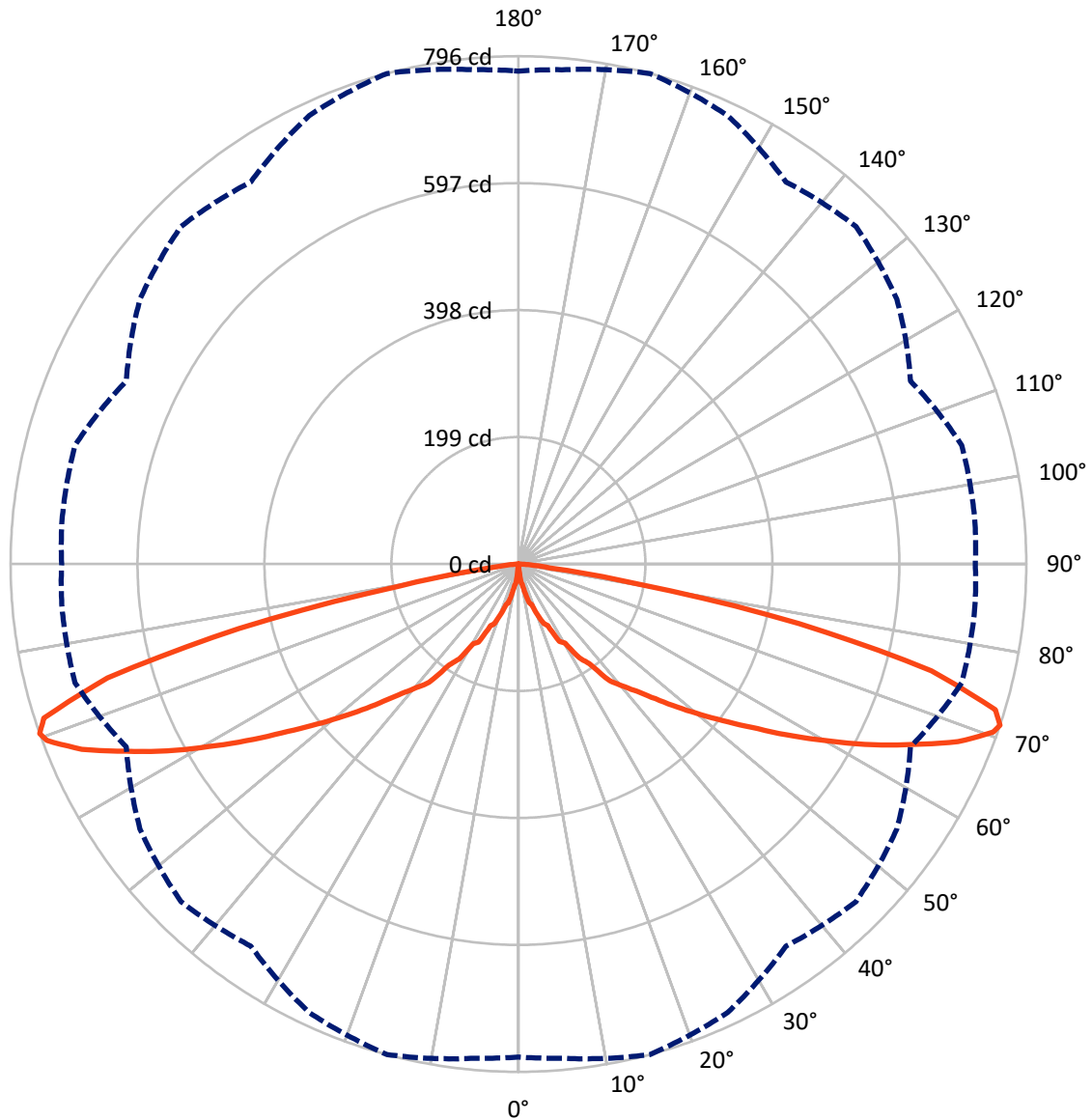
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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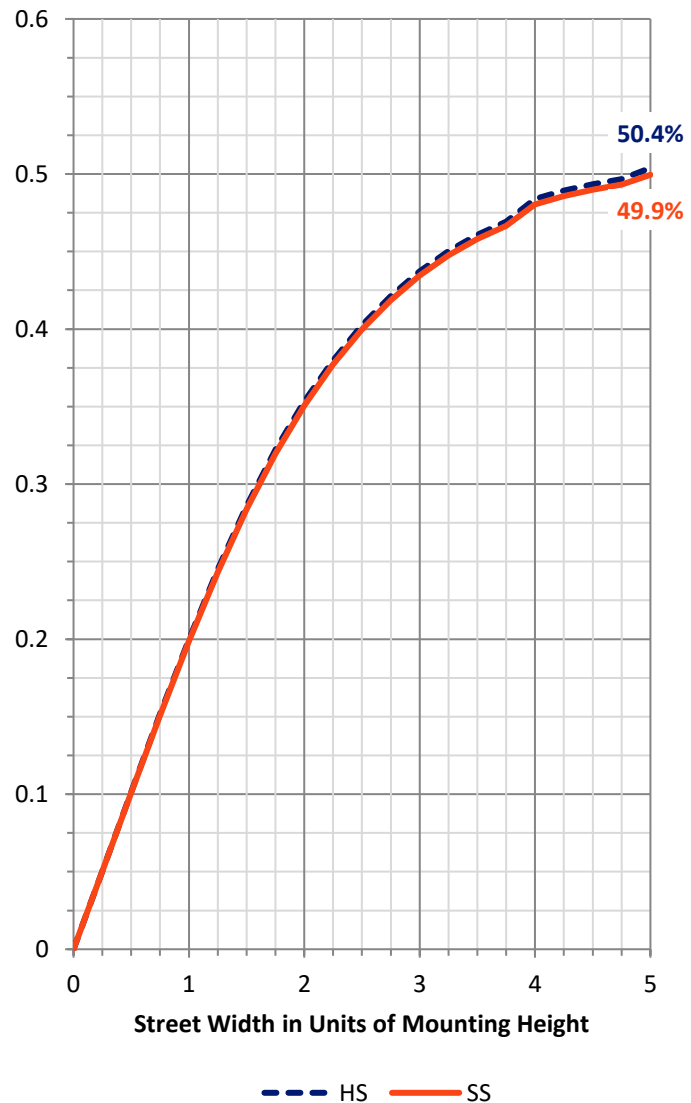
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1079.0	0.0	1079.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1079.0	0.0	1079.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2158.0	0.0	2158.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	14.3	0.7
20°-30°	54.1	2.5
30°-40°	122.4	5.7
40°-50°	218.8	10.1
50°-60°	385.0	17.8
60°-70°	636.9	29.5
70°-80°	644.0	29.8
80°-90°	81.6	3.8
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°	2158.0	100.0
0°-180°	2158.0	100.0



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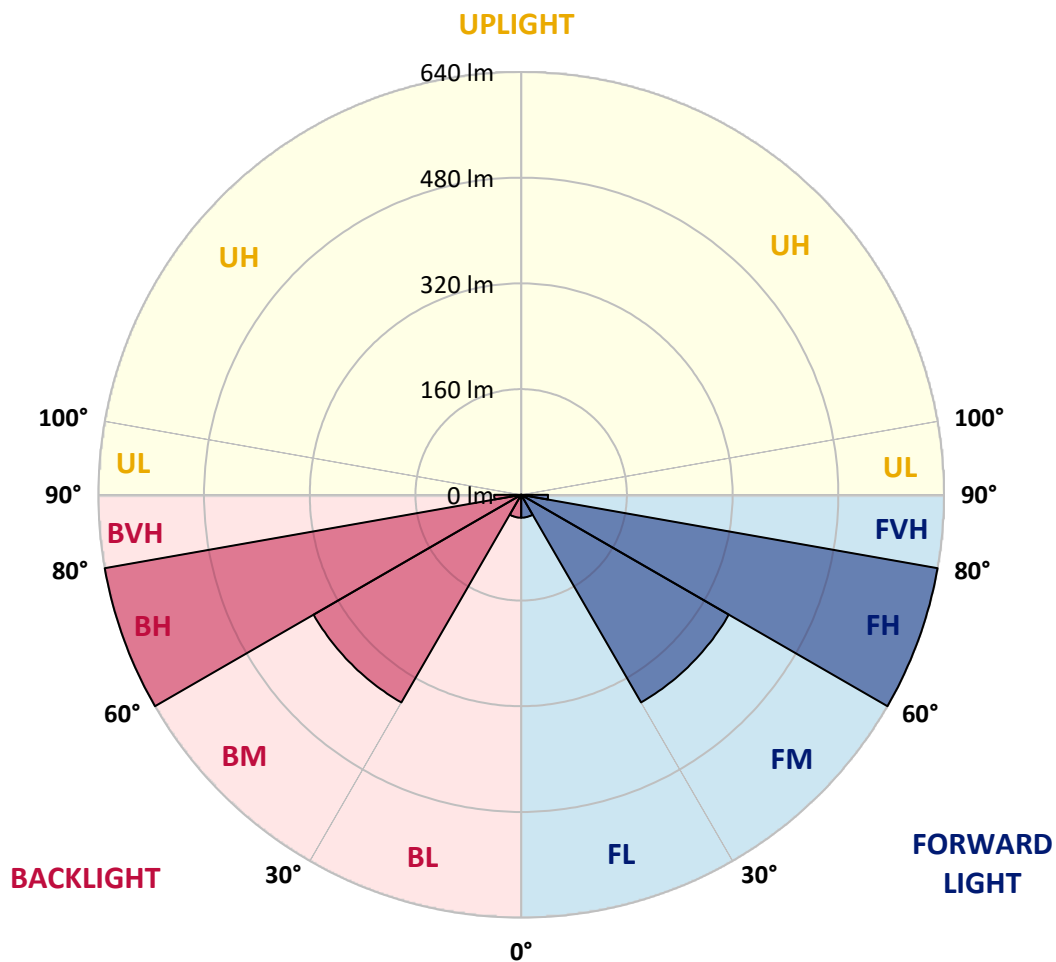
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	34.7	1.6			
FM (30°-60°)	363.1	16.8			
FH (60°-80°)	640.5	29.7			G0/660
FVH (80°-90°)	40.8	1.9			G1/100
BL (0°-30°)	34.7	1.6	B0/110		
BM (30°-60°)	363.1	16.8	B1/1000		
BH (60°-80°)	640.5	29.7	B2/1000		G0/660
BVH (80°-90°)	40.8	1.9			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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
5°	13.3	9.5	4.7	3.8	2.7	0.9	0.4	0.4	0.4	0.2	0.2
7.5°	29.9	29.7	29.2	25.5	17.9	13.3	2.9	0.7	0.4	0.4	0.4
10°	33.2	33.0	32.8	32.1	31.2	28.4	14.8	2.9	1.1	1.3	1.3
12.5°	47.9	47.6	45.6	35.4	32.3	31.7	26.8	13.7	11.7	22.2	23.5
15°	65.4	65.1	62.9	54.1	46.3	34.1	44.3	49.2	43.9	48.5	48.5
17.5°	69.3	68.7	66.5	64.2	61.1	59.4	65.4	62.9	48.7	52.1	52.1
20°	93.3	88.6	84.2	71.6	66.2	86.8	70.4	68.7	77.1	91.1	93.5
22.5°	103.5	103.2	101.0	95.3	94.2	91.1	87.7	99.9	101.9	103.7	104.3
25°	121.8	120.5	106.8	102.1	117.0	99.7	118.3	108.1	111.7	128.0	129.8
27.5°	140.7	140.2	137.4	122.5	122.5	132.5	124.5	130.7	148.9	155.3	157.7
30°	157.3	148.9	143.6	146.0	135.8	142.0	142.4	153.1	157.5	165.7	167.9
32.5°	184.8	184.1	175.5	159.1	159.5	150.4	162.8	161.9	198.1	216.7	221.5
35°	204.9	206.5	191.8	185.4	170.4	179.2	174.1	196.9	208.7	230.0	233.1
37.5°	244.6	244.4	232.4	200.5	189.6	189.4	198.7	207.1	224.9	244.4	246.3
40°	261.6	261.2	251.2	232.4	204.5	206.5	211.8	219.5	239.3	261.4	262.5
42.5°	285.3	283.1	272.9	247.9	232.8	228.8	230.2	239.7	258.5	284.9	283.8
45°	309.3	309.9	301.1	272.5	257.6	249.4	251.9	264.5	285.6	311.7	311.5
47.5°	338.3	339.2	335.0	299.3	286.2	274.9	279.6	292.2	315.2	340.7	340.3
50°	374.2	374.0	371.1	332.1	318.6	307.5	311.0	321.7	346.0	371.3	374.0
52.5°	410.7	411.6	411.2	371.7	356.9	346.3	349.6	359.6	383.3	408.5	410.7
55°	451.9	456.1	455.7	422.9	399.6	396.8	398.8	401.0	427.1	451.7	452.2
57.5°	502.9	504.9	508.9	480.7	454.6	453.0	449.3	448.4	474.1	494.5	491.4
60°	555.8	557.8	564.2	546.1	517.3	520.4	508.0	494.5	519.1	535.4	533.7
62.5°	606.6	611.2	623.8	609.2	582.6	592.2	568.5	545.6	568.5	582.0	579.3
65°	661.1	666.8	681.7	675.9	638.0	658.2	632.9	594.8	625.8	632.5	632.9
67.5°	721.1	725.7	743.5	733.1	686.1	707.8	687.0	643.1	677.2	674.8	672.4
70°	767.4	773.2	789.5	767.8	721.1	739.3	718.7	673.7	713.3	714.7	712.7
71°	772.9	777.8	796.2	775.8	731.3	748.3	724.2	678.3	719.5	718.7	716.2
72.5°	754.5	760.5	782.2	769.2	739.3	759.6	724.0	670.8	710.7	702.5	699.2
75°	639.1	642.2	668.8	692.7	710.5	754.8	683.7	611.7	638.2	625.6	624.1
77.5°	388.4	396.3	449.5	522.8	608.3	679.4	594.8	494.7	484.3	446.8	432.2
80°	134.0	148.0	190.1	267.4	409.2	525.0	419.4	302.4	226.2	170.4	157.5
82.5°	22.4	32.6	49.4	83.7	183.9	298.4	207.1	99.9	64.9	45.4	43.9
85°	7.5	8.9	18.8	23.3	43.0	82.2	48.3	27.7	23.9	15.3	14.2
87.5°	1.1	1.6	2.4	2.7	3.8	2.2	4.0	4.2	3.3	2.2	1.3
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)