

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: P414453

Luminaire Tested: **LXF.LXT-PA1-20-830-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414453  
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-PA1-20-830-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 2333 lumens  
Efficiency: N/A  
Efficacy: 111.1 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

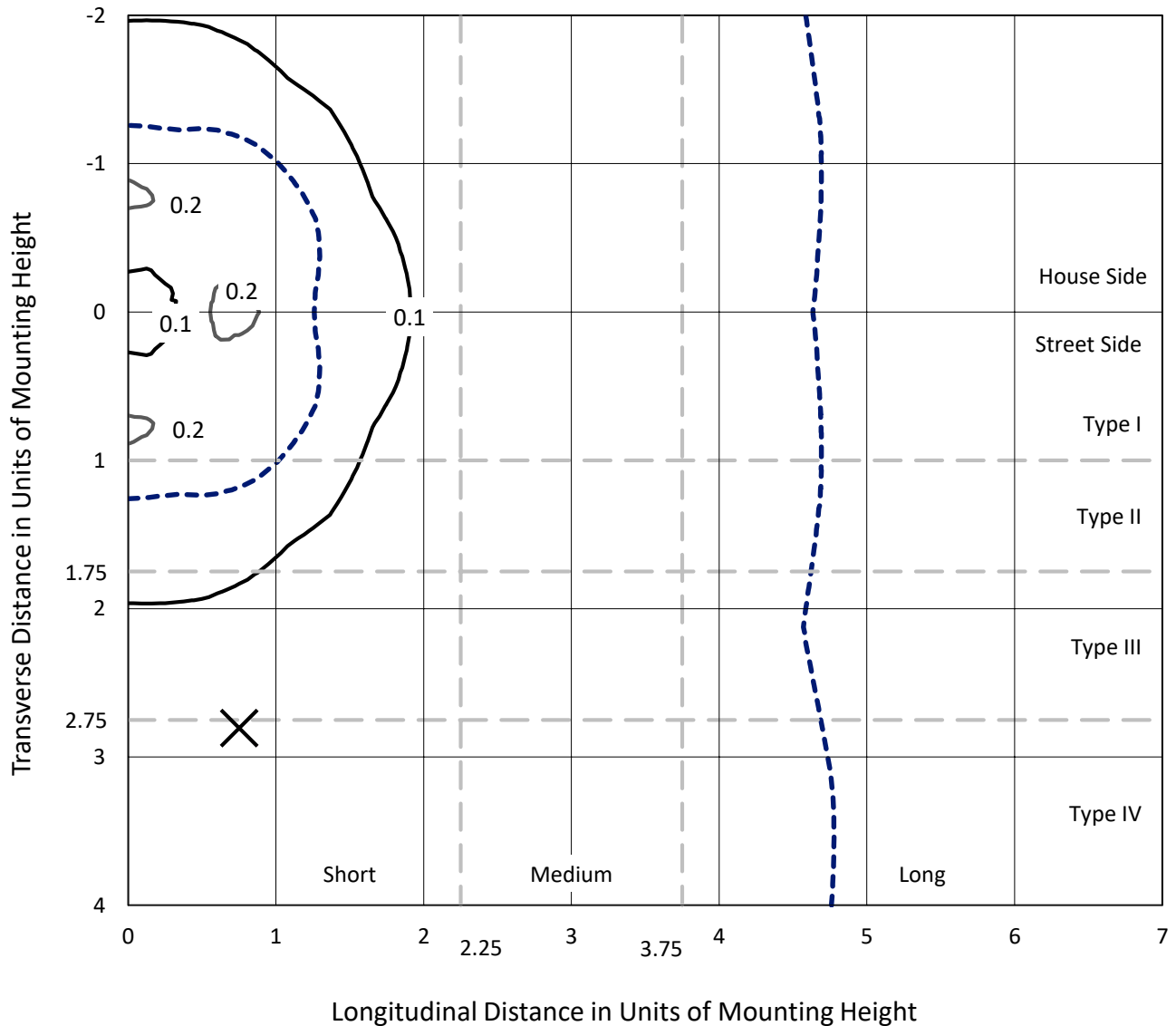
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

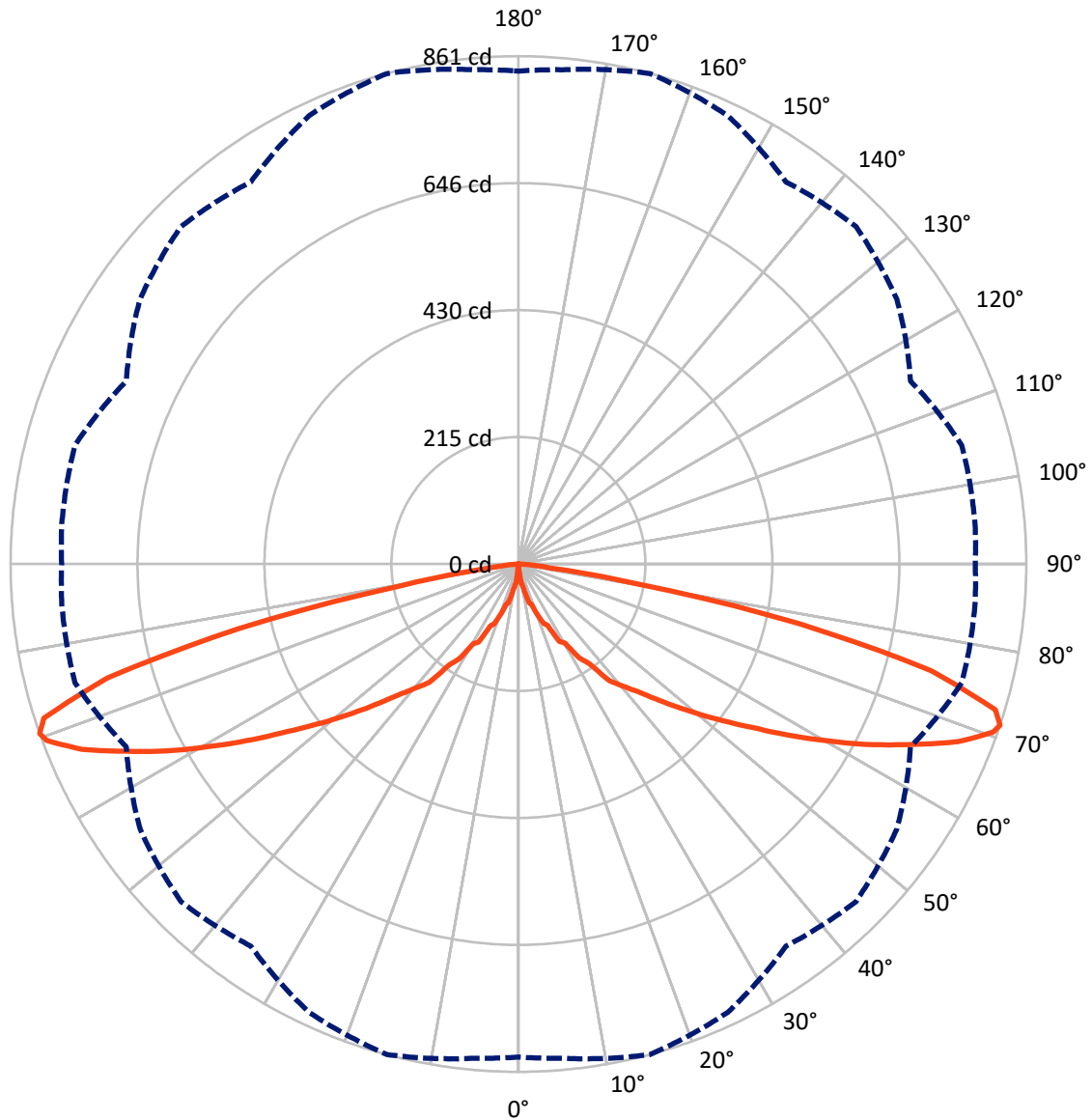
× Max cd  
 - - - 1/2 Max cd



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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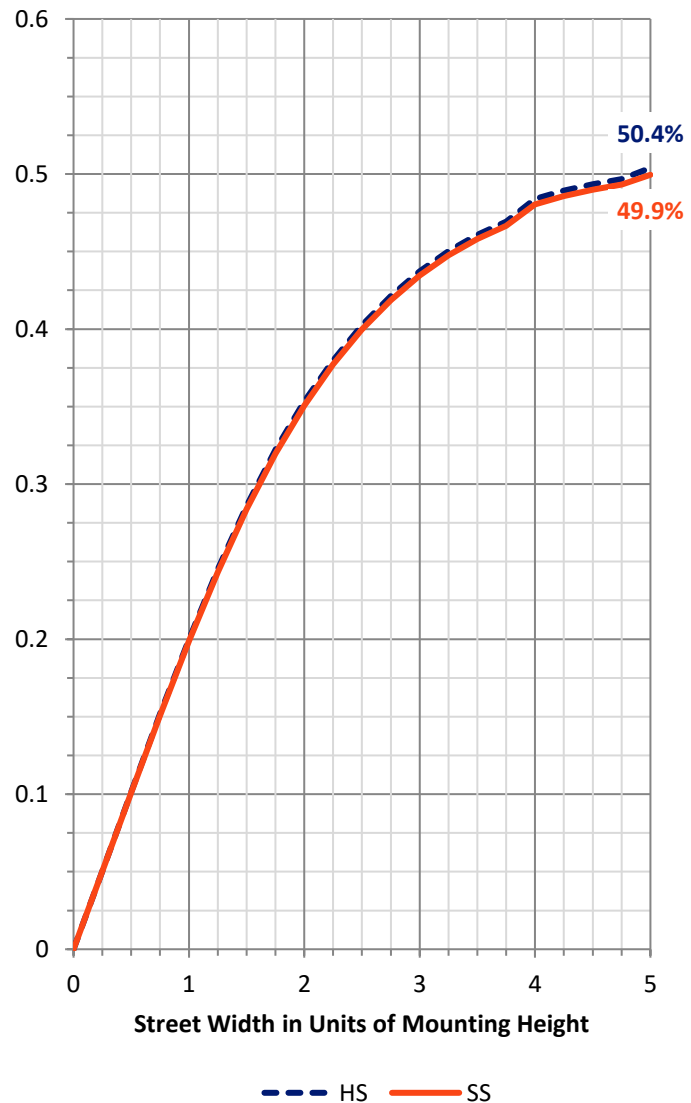
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1166.5	0.0	1166.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1166.5	0.0	1166.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2333.0	0.0	2333.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	15.5	0.7
20°-30°	58.4	2.5
30°-40°	132.3	5.7
40°-50°	236.5	10.1
50°-60°	416.2	17.8
60°-70°	688.5	29.5
70°-80°	696.3	29.8
80°-90°	88.2	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°	2333.0	100.0
0°-180°	2333.0	100.0



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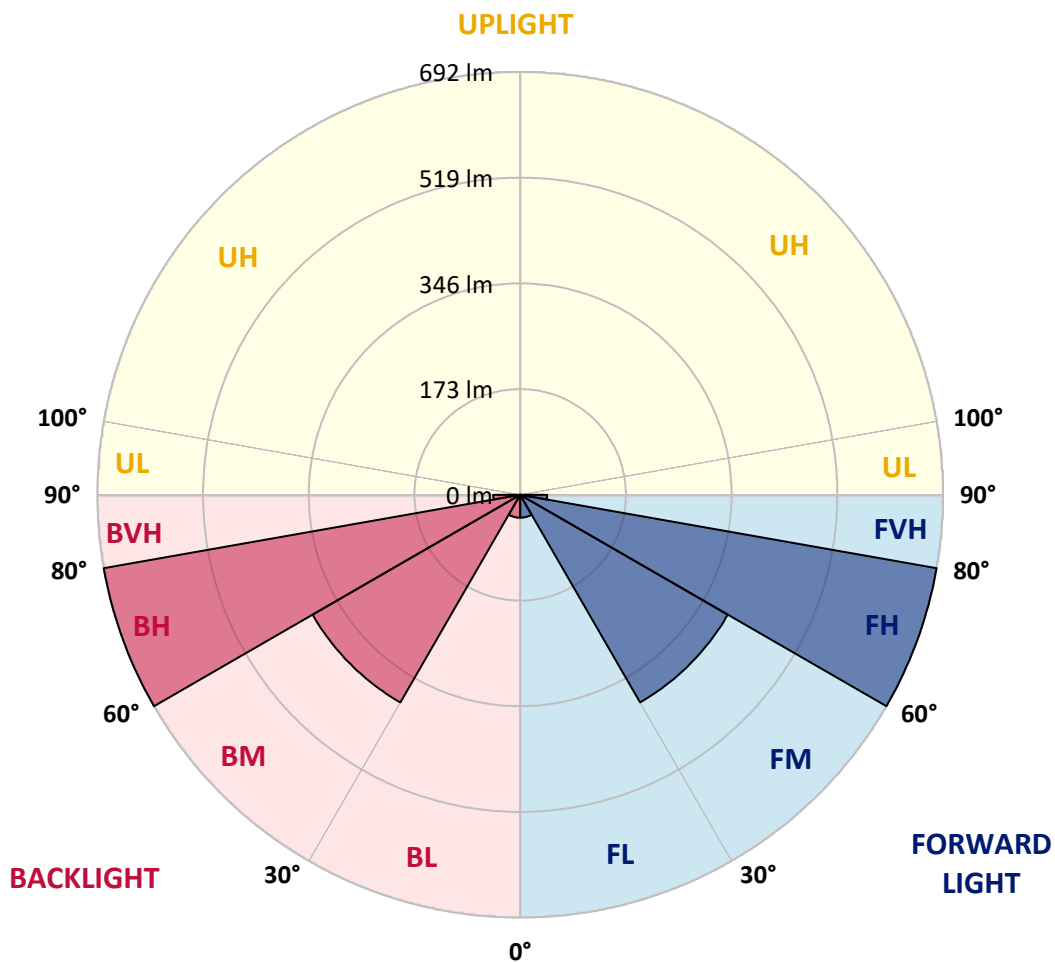
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.5	1.6			
FM	(30°-60°)	392.5	16.8			
FH	(60°-80°)	692.4	29.7			G1/1800
FVH	(80°-90°)	44.1	1.9			G1/100
BL	(0°-30°)	37.5	1.6	B0/110		
BM	(30°-60°)	392.5	16.8	B1/1000		
BH	(60°-80°)	692.4	29.7	B2/1000		G1/1800
BVH	(80°-90°)	44.1	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	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2
5°	14.4	10.3	5.0	4.1	2.9	1.0	0.5	0.5	0.5	0.2	0.2
7.5°	32.3	32.1	31.6	27.5	19.4	14.4	3.1	0.7	0.5	0.5	0.5
10°	35.9	35.7	35.4	34.7	33.8	30.7	16.0	3.1	1.2	1.4	1.4
12.5°	51.7	51.5	49.3	38.3	35.0	34.2	29.0	14.8	12.7	23.9	25.4
15°	70.7	70.4	68.0	58.4	50.1	36.9	47.9	53.2	47.4	52.5	52.5
17.5°	75.0	74.2	71.8	69.5	66.1	64.2	70.7	68.0	52.7	56.3	56.3
20°	100.8	95.8	91.0	77.4	71.6	93.9	76.2	74.2	83.3	98.4	101.1
22.5°	111.8	111.6	109.2	103.0	101.8	98.4	94.8	108.0	110.2	112.1	112.8
25°	131.7	130.3	115.4	110.4	126.5	107.8	127.9	116.9	120.7	138.4	140.3
27.5°	152.1	151.6	148.5	132.4	132.4	143.2	134.6	141.3	160.9	167.9	170.5
30°	170.0	160.9	155.2	157.8	146.8	153.5	154.0	165.5	170.3	179.1	181.5
32.5°	199.7	199.0	189.7	172.0	172.4	162.6	176.0	175.1	214.1	234.2	239.5
35°	221.5	223.2	207.4	200.5	184.2	193.8	188.2	212.9	225.6	248.6	252.0
37.5°	264.4	264.2	251.2	216.7	205.0	204.8	214.8	223.9	243.1	264.2	266.3
40°	282.8	282.4	271.6	251.2	221.1	223.2	229.0	237.3	258.7	282.6	283.8
42.5°	308.5	306.1	295.1	268.0	251.7	247.4	248.8	259.1	279.5	308.0	306.8
45°	334.3	335.1	325.5	294.6	278.5	269.7	272.3	286.0	308.7	337.0	336.7
47.5°	365.7	366.7	362.1	323.6	309.4	297.2	302.2	315.9	340.8	368.4	367.9
50°	404.5	404.3	401.2	359.0	344.4	332.4	336.3	347.8	374.1	401.4	404.3
52.5°	444.0	445.0	444.5	401.9	385.8	374.3	377.9	388.7	414.3	441.6	444.0
55°	488.6	493.1	492.7	457.2	432.1	428.9	431.1	433.5	461.8	488.3	488.8
57.5°	543.7	545.8	550.1	519.7	491.5	489.8	485.7	484.7	512.5	534.6	531.2
60°	600.9	603.1	610.0	590.4	559.2	562.6	549.2	534.6	561.1	578.9	577.0
62.5°	655.8	660.8	674.4	658.6	629.9	640.2	614.6	589.9	614.6	629.2	626.3
65°	714.7	720.9	736.9	730.7	689.8	711.6	684.3	643.1	676.6	683.8	684.3
67.5°	779.6	784.6	803.8	792.5	741.7	765.2	742.7	695.3	732.2	729.5	726.9
70°	829.6	835.9	853.6	830.1	779.6	799.2	776.9	728.3	771.2	772.6	770.5
71°	835.6	840.9	860.8	838.7	790.6	809.0	782.9	733.3	777.9	776.9	774.3
72.5°	815.7	822.2	845.7	831.5	799.2	821.2	782.7	725.2	768.3	759.5	755.9
75°	691.0	694.3	723.0	748.9	768.1	816.0	739.1	661.3	690.0	676.3	674.7
77.5°	419.8	428.5	485.9	565.2	657.7	734.5	643.1	534.8	523.5	483.1	467.3
80°	144.9	160.0	205.5	289.1	442.4	567.6	453.4	326.9	244.5	184.2	170.3
82.5°	24.2	35.2	53.4	90.5	198.8	322.6	223.9	108.0	70.2	49.1	47.4
85°	8.1	9.6	20.4	25.1	46.5	88.9	52.2	29.9	25.9	16.5	15.3
87.5°	1.2	1.7	2.6	2.9	4.1	2.4	4.3	4.6	3.6	2.4	1.4
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)