

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: P414817

Luminaire Tested: **LXF.LXT-PA1-30-827-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414817  
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-PA1-30-827-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3028 lumens  
Efficiency: N/A  
Efficacy: 97.7 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

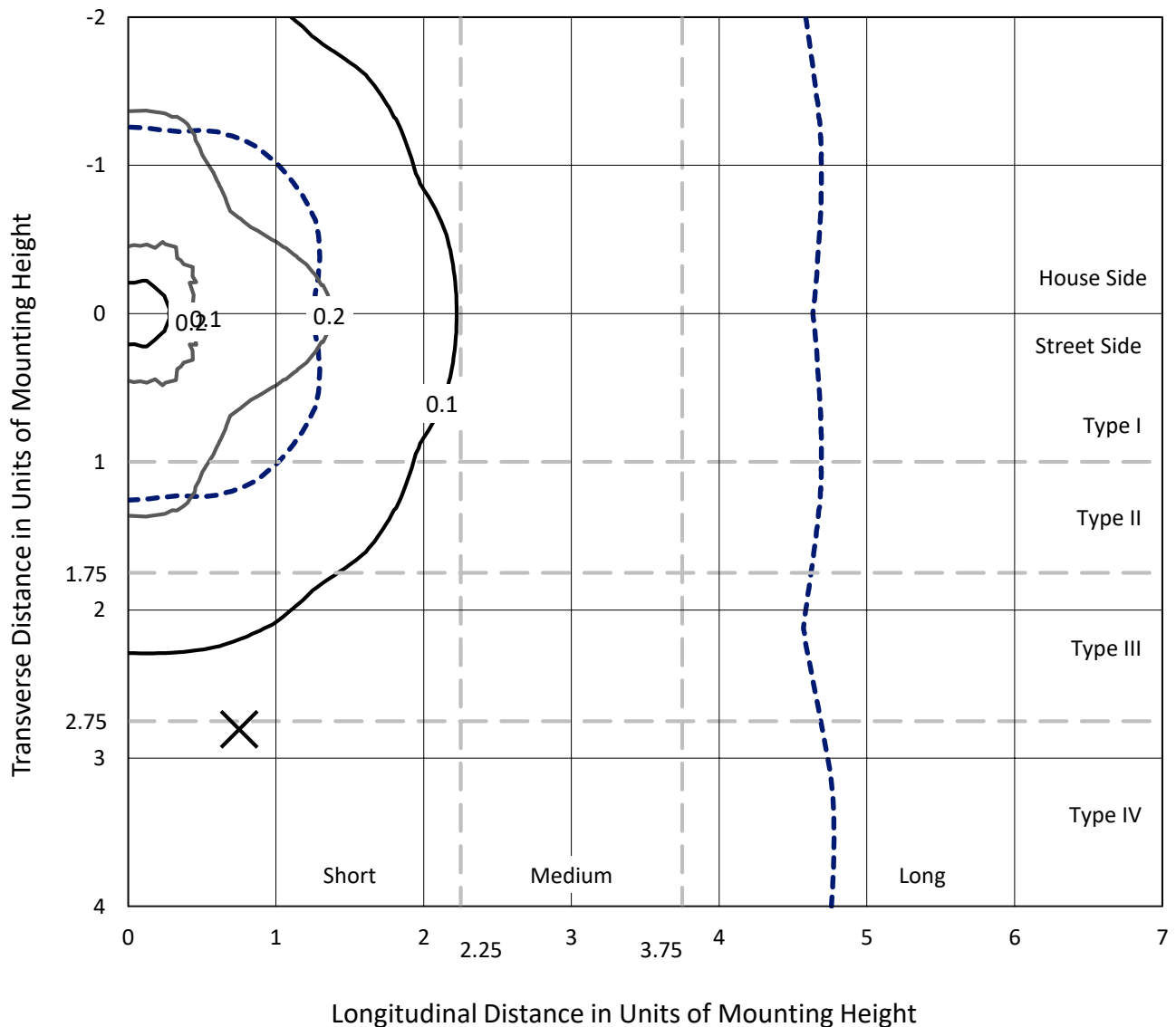
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

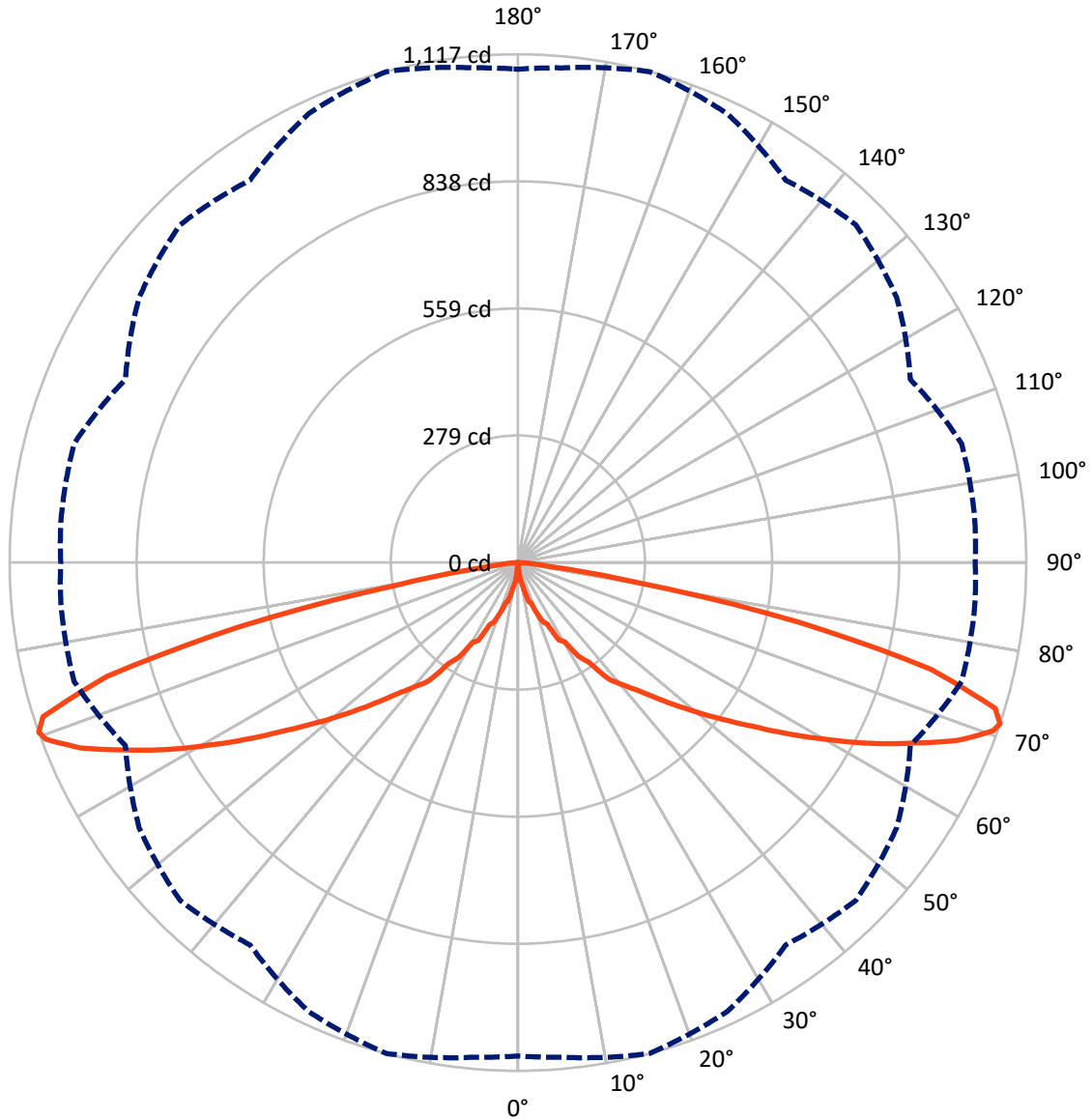
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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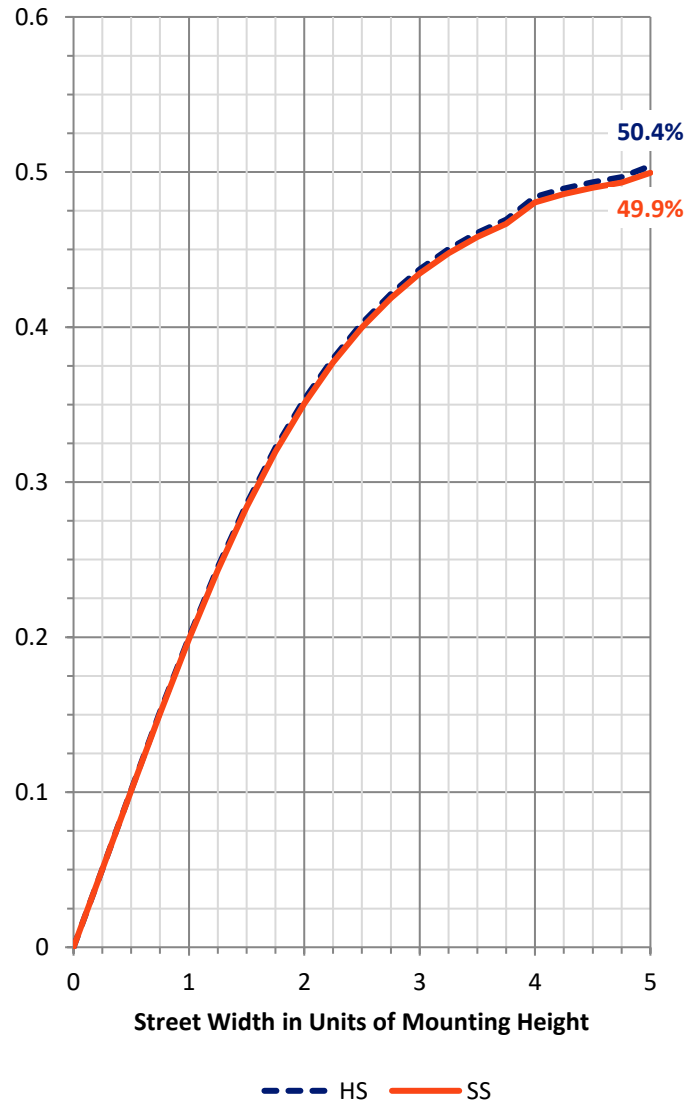
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1514.0	0.0	1514.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1514.0	0.0	1514.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3028.0	0.0	3028.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	20.1	0.7
20°-30°	75.8	2.5
30°-40°	171.8	5.7
40°-50°	306.9	10.1
50°-60°	540.2	17.8
60°-70°	893.6	29.5
70°-80°	903.7	29.8
80°-90°	114.5	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°	3028.0	100.0
0°-180°	3028.0	100.0



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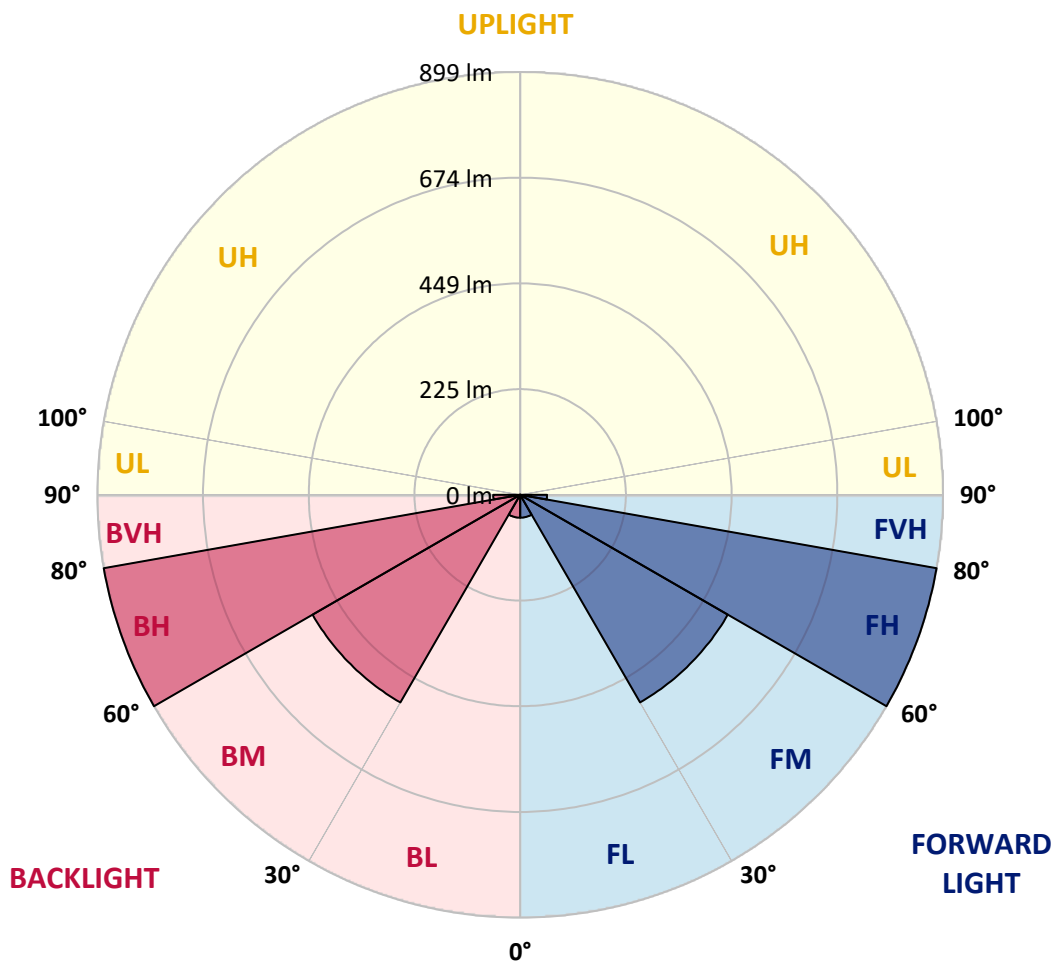
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.6	1.6			
FM	(30°-60°)	509.5	16.8			
FH	(60°-80°)	898.7	29.7			G1/1800
FVH	(80°-90°)	57.2	1.9			G1/100
BL	(0°-30°)	48.6	1.6	B0/110		
BM	(30°-60°)	509.5	16.8	B1/1000		
BH	(60°-80°)	898.7	29.7	B2/1000		G1/1800
BVH	(80°-90°)	57.2	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.9	0.9	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3
5°	18.7	13.4	6.5	5.3	3.7	1.2	0.6	0.6	0.6	0.3	0.3
7.5°	42.0	41.7	41.0	35.7	25.2	18.7	4.0	0.9	0.6	0.6	0.6
10°	46.6	46.3	46.0	45.1	43.8	39.8	20.8	4.0	1.6	1.9	1.9
12.5°	67.1	66.8	64.0	49.7	45.4	44.5	37.6	19.3	16.5	31.1	32.9
15°	91.7	91.4	88.3	75.8	65.0	47.9	62.2	69.0	61.5	68.1	68.1
17.5°	97.3	96.4	93.3	90.1	85.8	83.3	91.7	88.3	68.4	73.0	73.0
20°	130.9	124.3	118.1	100.4	92.9	121.9	98.8	96.4	108.2	127.8	131.2
22.5°	145.2	144.9	141.7	133.7	132.1	127.8	123.1	140.2	143.0	145.5	146.4
25°	171.0	169.1	149.8	143.3	164.1	139.9	166.0	151.7	156.7	179.7	182.2
27.5°	197.4	196.8	192.7	171.9	171.9	185.9	174.7	183.4	208.9	217.9	221.3
30°	220.7	208.9	201.4	204.8	190.5	199.3	199.9	214.8	221.0	232.5	235.6
32.5°	259.2	258.3	246.2	223.2	223.8	211.1	228.5	227.2	277.9	304.0	310.8
35°	287.5	289.7	269.2	260.2	239.0	251.5	244.3	276.3	292.8	322.7	327.0
37.5°	343.2	342.9	326.1	281.3	266.1	265.8	278.8	290.6	315.5	342.9	345.7
40°	367.1	366.5	352.5	326.1	286.9	289.7	297.2	308.0	335.7	366.8	368.4
42.5°	400.4	397.3	383.0	347.8	326.7	321.1	323.0	336.3	362.8	399.7	398.2
45°	433.9	434.9	422.4	382.3	361.5	350.0	353.4	371.2	400.7	437.4	437.1
47.5°	474.7	475.9	470.0	420.0	401.6	385.8	392.3	410.0	442.3	478.1	477.5
50°	525.0	524.7	520.7	466.0	447.0	431.5	436.4	451.3	485.5	521.0	524.7
52.5°	576.3	577.6	576.9	521.6	500.8	485.9	490.5	504.5	537.8	573.2	576.3
55°	634.1	640.0	639.4	593.4	560.8	556.7	559.5	562.6	599.3	633.8	634.4
57.5°	705.6	708.4	714.0	674.5	637.9	635.7	630.4	629.2	665.2	693.8	689.5
60°	779.9	782.7	791.7	766.2	725.8	730.2	712.8	693.8	728.3	751.3	748.8
62.5°	851.1	857.6	875.3	854.8	817.5	830.9	797.6	765.6	797.6	816.6	812.9
65°	927.6	935.6	956.5	948.4	895.2	923.5	888.1	834.6	878.1	887.5	888.1
67.5°	1011.8	1018.3	1043.2	1028.6	962.7	993.2	963.9	902.4	950.3	946.8	943.4
70°	1076.8	1084.9	1107.9	1077.4	1011.8	1037.3	1008.4	945.3	1000.9	1002.8	1000.0
71°	1084.5	1091.4	1117.2	1088.6	1026.1	1050.0	1016.2	951.8	1009.6	1008.4	1005.0
72.5°	1058.7	1067.1	1097.6	1079.3	1037.3	1065.9	1015.8	941.2	997.2	985.7	981.0
75°	896.8	901.1	938.4	972.0	996.9	1059.1	959.3	858.2	895.5	877.8	875.7
77.5°	544.9	556.1	630.7	733.6	853.6	953.4	834.6	694.1	679.5	627.0	606.5
80°	188.1	207.6	266.7	375.2	574.1	736.7	588.4	424.3	317.4	239.0	221.0
82.5°	31.4	45.7	69.3	117.5	258.0	418.7	290.6	140.2	91.1	63.7	61.5
85°	10.6	12.4	26.4	32.6	60.3	115.3	67.8	38.9	33.6	21.4	19.9
87.5°	1.6	2.2	3.4	3.7	5.3	3.1	5.6	5.9	4.7	3.1	1.9
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)