

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: P414557

Luminaire Tested: **LXF.LXT-PA1-30-727-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414557  
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-PA1-30-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 3444 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: B3 - U0 - G1

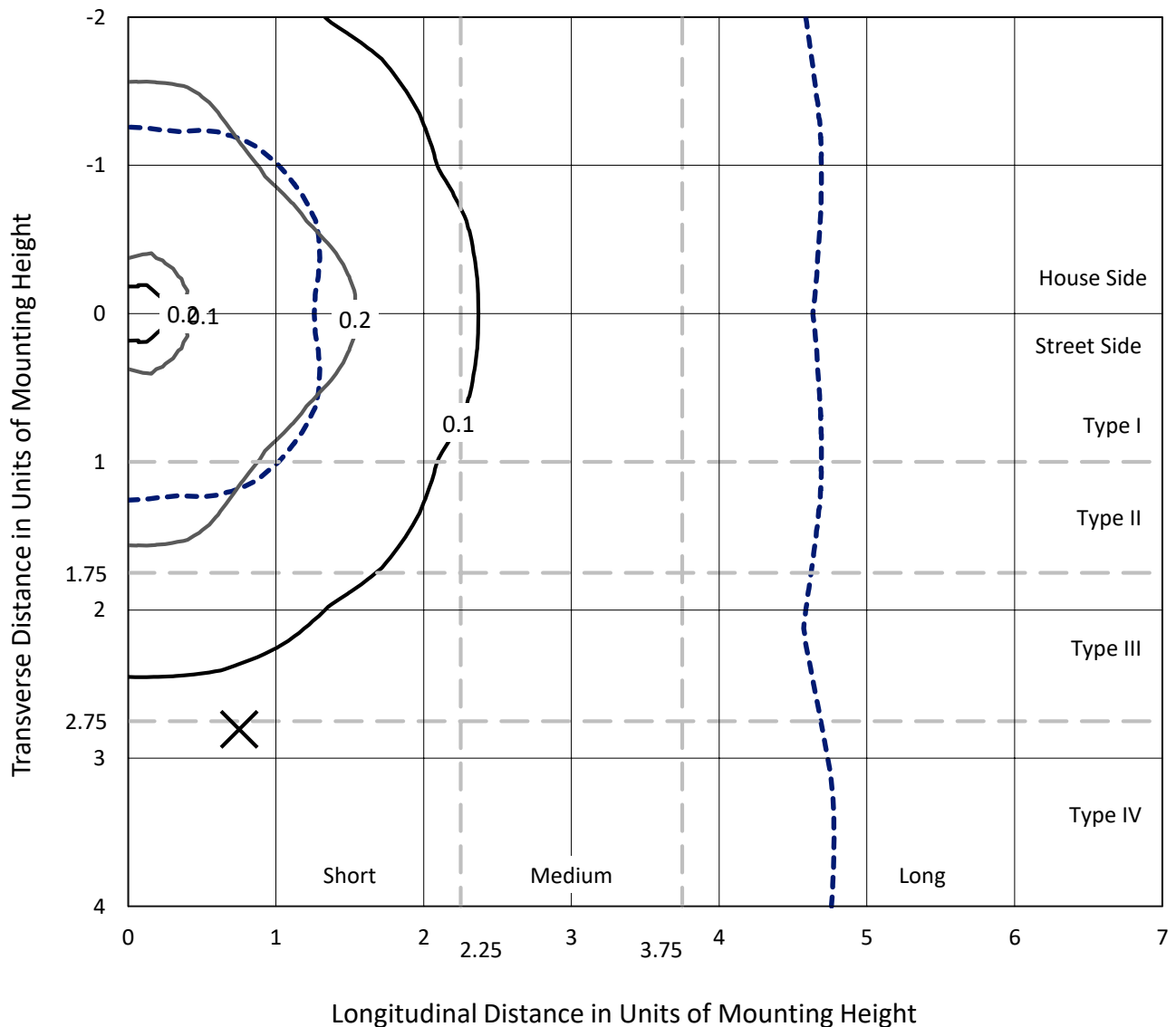
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

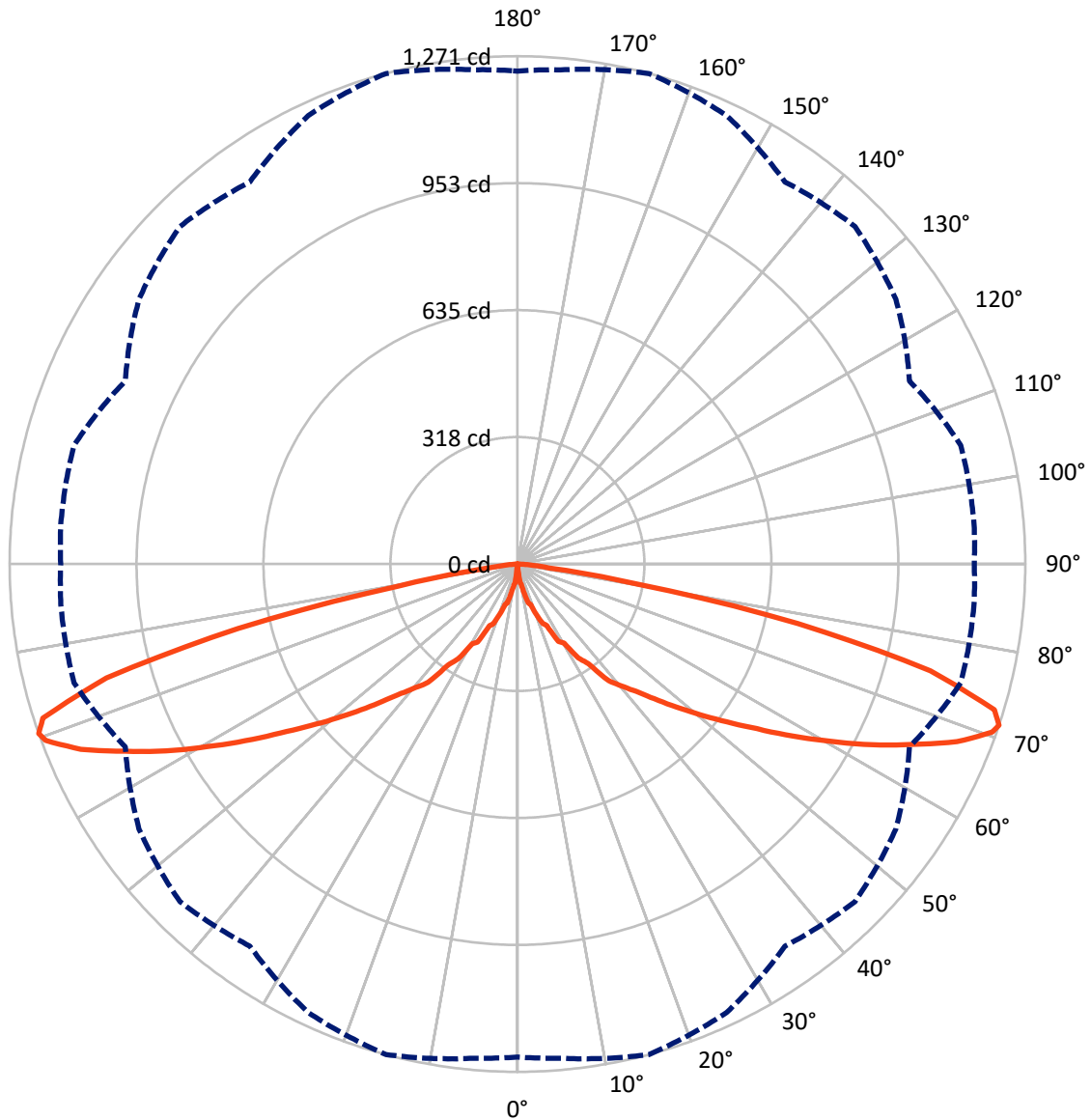
× Max cd  
 - - - 1/2 Max cd



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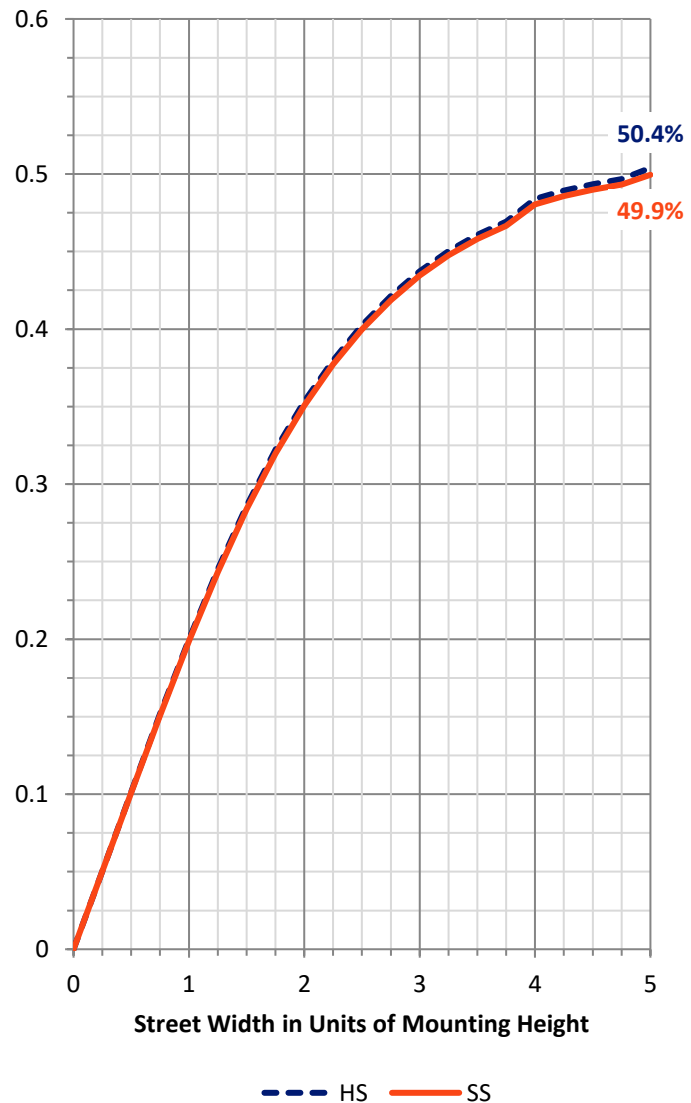
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1722.0	0.0	1722.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1722.0	0.0	1722.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3444.0	0.0	3444.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	22.8	0.7
20°-30°	86.3	2.5
30°-40°	195.4	5.7
40°-50°	349.1	10.1
50°-60°	614.4	17.8
60°-70°	1016.4	29.5
70°-80°	1027.9	29.8
80°-90°	130.2	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°	3444.0	100.0
0°-180°	3444.0	100.0



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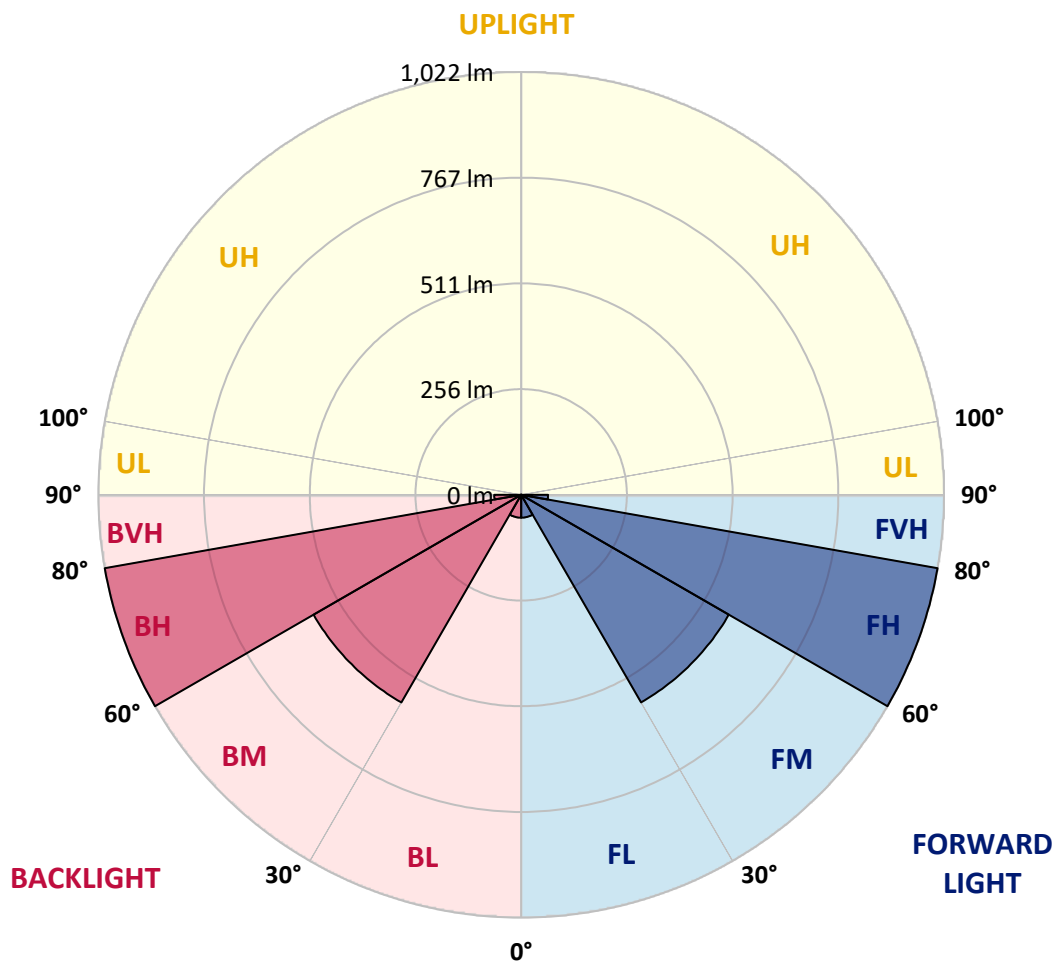
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.3	1.6			
FM	(30°-60°)	579.4	16.8			
FH	(60°-80°)	1022.1	29.7			G1/1800
FVH	(80°-90°)	65.1	1.9			G1/100
BL	(0°-30°)	55.3	1.6	B0/110		
BM	(30°-60°)	579.4	16.8	B1/1000		
BH	(60°-80°)	1022.1	29.7	B3/2500		G1/1800
BVH	(80°-90°)	65.1	1.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.1	1.1	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4
5°	21.2	15.2	7.4	6.0	4.2	1.4	0.7	0.7	0.7	0.4	0.4
7.5°	47.7	47.4	46.7	40.7	28.6	21.2	4.6	1.1	0.7	0.7	0.7
10°	53.0	52.7	52.3	51.3	49.9	45.3	23.7	4.6	1.8	2.1	2.1
12.5°	76.4	76.0	72.8	56.6	51.6	50.6	42.8	21.9	18.7	35.4	37.5
15°	104.3	103.9	100.4	86.3	73.9	54.4	70.7	78.5	70.0	77.4	77.4
17.5°	110.7	109.6	106.1	102.5	97.6	94.8	104.3	100.4	77.8	83.1	83.1
20°	148.8	141.4	134.3	114.2	105.7	138.6	112.4	109.6	123.0	145.3	149.2
22.5°	165.1	164.8	161.2	152.0	150.3	145.3	140.0	159.5	162.6	165.5	166.5
25°	194.5	192.3	170.4	163.0	186.7	159.1	188.8	172.5	178.2	204.4	207.2
27.5°	224.5	223.8	219.2	195.5	195.5	211.4	198.7	208.6	237.6	247.8	251.7
30°	251.0	237.6	229.1	233.0	216.7	226.6	227.3	244.3	251.4	264.5	268.0
32.5°	294.9	293.8	280.0	253.9	254.6	240.1	259.9	258.4	316.1	345.8	353.6
35°	327.0	329.5	306.2	295.9	271.9	286.0	277.9	314.3	333.0	367.0	371.9
37.5°	390.3	390.0	370.9	320.0	302.6	302.3	317.1	330.6	358.9	390.0	393.2
40°	417.5	416.8	400.9	370.9	326.3	329.5	338.0	350.4	381.8	417.2	419.0
42.5°	455.4	451.8	435.6	395.6	371.6	365.2	367.3	382.5	412.6	454.7	452.9
45°	493.6	494.6	480.5	434.9	411.2	398.1	402.0	422.1	455.7	497.4	497.1
47.5°	539.9	541.3	534.6	477.6	456.8	438.8	446.2	466.3	503.1	543.8	543.1
50°	597.1	596.8	592.2	530.0	508.4	490.7	496.4	513.4	552.2	592.6	596.8
52.5°	655.5	656.9	656.2	593.3	569.6	552.6	557.9	573.8	611.6	652.0	655.5
55°	721.2	728.0	727.3	674.9	637.8	633.2	636.4	639.9	681.6	720.9	721.6
57.5°	802.6	805.7	812.1	767.2	725.5	723.0	717.0	715.6	756.6	789.1	784.2
60°	887.1	890.2	900.5	871.5	825.5	830.5	810.7	789.1	828.4	854.5	851.7
62.5°	968.0	975.5	995.6	972.3	929.8	945.0	907.2	870.8	907.2	928.8	924.5
65°	1055.0	1064.2	1087.9	1078.7	1018.2	1050.4	1010.1	949.3	998.8	1009.4	1010.1
67.5°	1150.8	1158.2	1186.5	1169.9	1095.0	1129.6	1096.4	1026.4	1080.8	1076.9	1073.0
70°	1224.7	1233.9	1260.1	1225.4	1150.8	1179.8	1146.9	1075.2	1138.4	1140.6	1137.4
71°	1233.5	1241.3	1270.7	1238.1	1167.1	1194.3	1155.8	1082.6	1148.3	1146.9	1143.0
72.5°	1204.2	1213.7	1248.4	1227.5	1179.8	1212.3	1155.4	1070.6	1134.2	1121.1	1115.8
75°	1020.0	1024.9	1067.4	1105.6	1133.8	1204.6	1091.1	976.2	1018.6	998.4	996.0
77.5°	619.8	632.5	717.4	834.4	970.9	1084.3	949.3	789.5	772.9	713.1	689.8
80°	213.9	236.2	303.3	426.7	653.0	837.9	669.3	482.6	361.0	271.9	251.4
82.5°	35.7	52.0	78.8	133.6	293.4	476.2	330.6	159.5	103.6	72.5	70.0
85°	12.0	14.1	30.1	37.1	68.6	131.2	77.1	44.2	38.2	24.4	22.6
87.5°	1.8	2.5	3.9	4.2	6.0	3.5	6.4	6.7	5.3	3.5	2.1
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)