

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: P694525

Luminaire Tested: **LXF.LXT-PA16-20-730-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694525  
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-PA16-20-730-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2832 lumens  
Efficiency: N/A  
Efficacy: 129.9 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

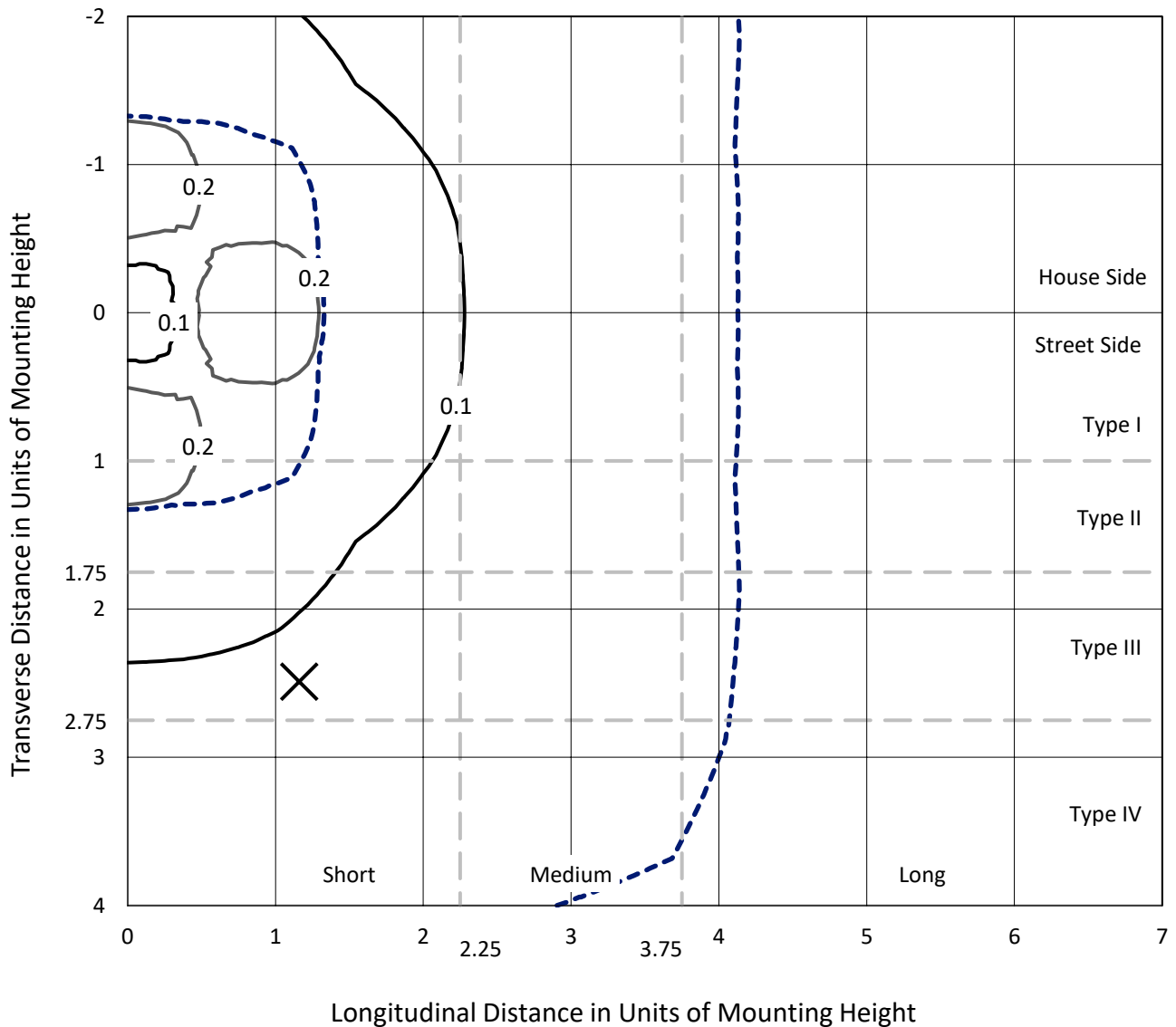
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

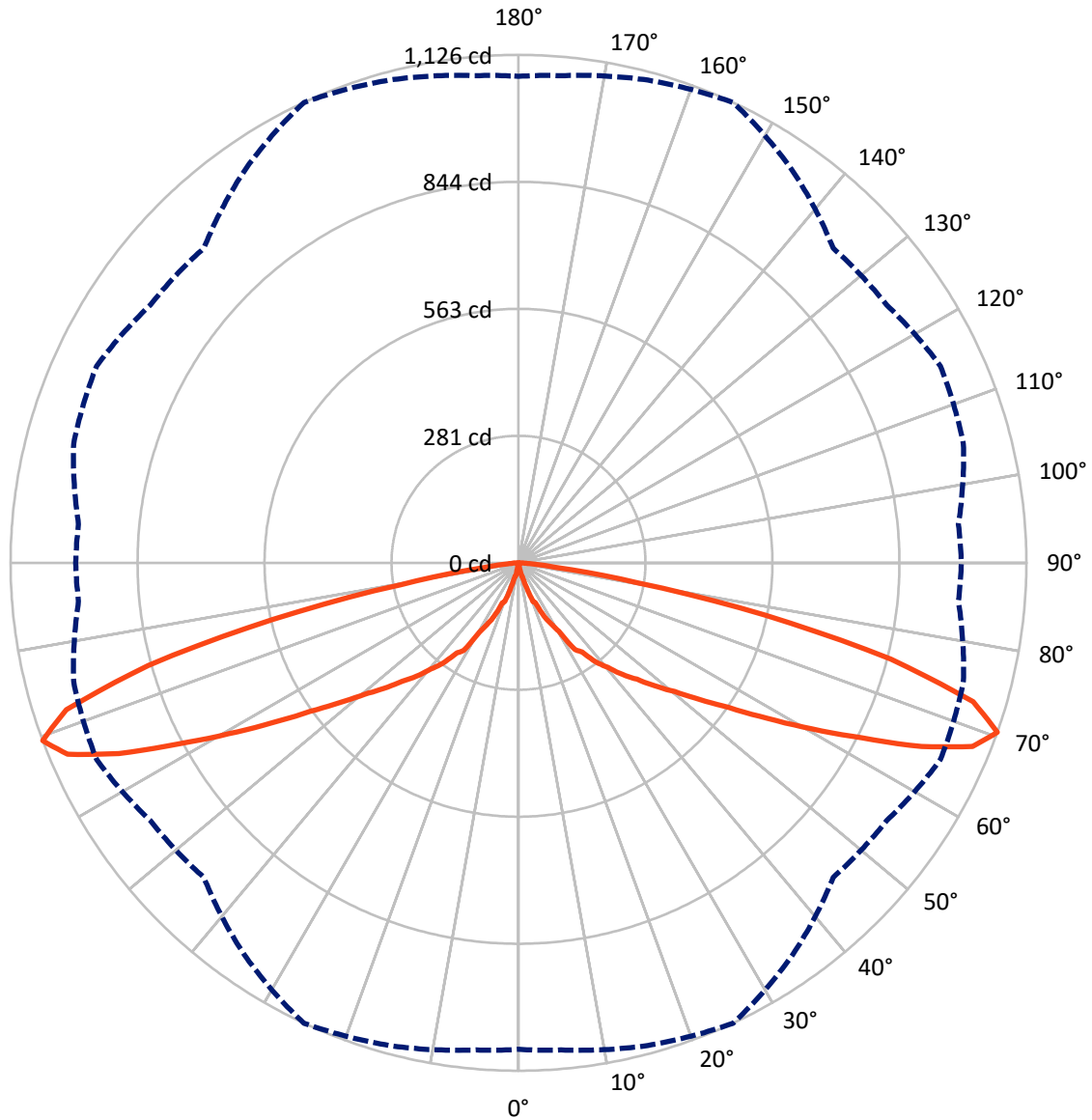
× Max cd  
 - - - 1/2 Max cd



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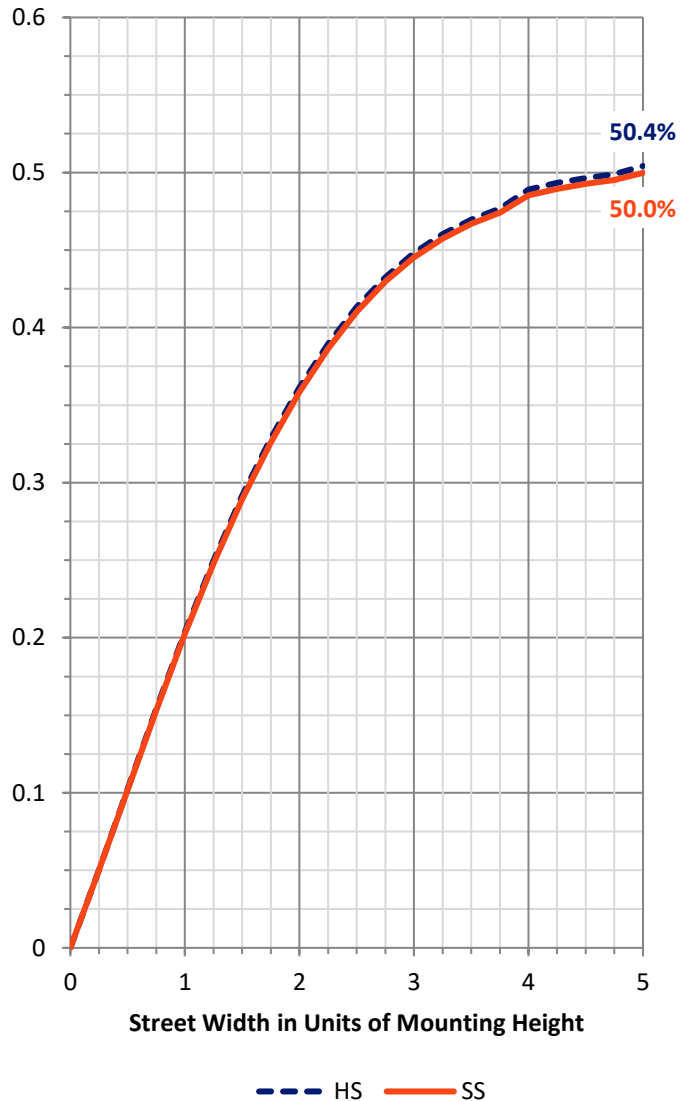
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1416.0	0.0	1416.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1416.0	0.0	1416.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2832.0	0.0	2832.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	12.3	0.4
20°-30°	65.9	2.3
30°-40°	162.7	5.7
40°-50°	290.8	10.3
50°-60°	518.1	18.3
60°-70°	913.0	32.2
70°-80°	793.7	28.0
80°-90°	75.4	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°	2832.0	100.0
0°-180°	2832.0	100.0

**Coefficient of Utilization**



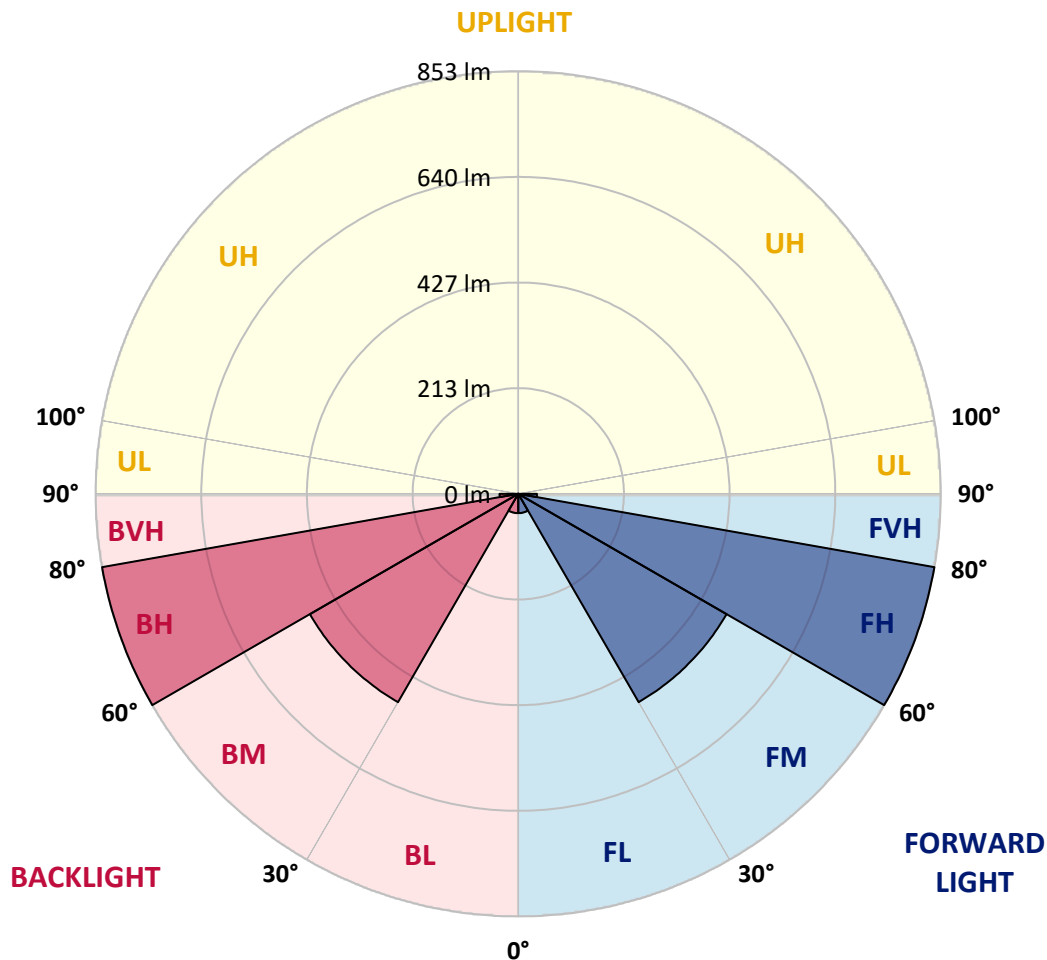
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.1	1.4			
FM (30°-60°)	485.8	17.2			
FH (60°-80°)	853.4	30.1			G1/1800
FVH (80°-90°)	37.7	1.3			G1/100
BL (0°-30°)	39.1	1.4	B0/110		
BM (30°-60°)	485.8	17.2	B1/1000		
BH (60°-80°)	853.4	30.1	B2/1000		G1/1800
BVH (80°-90°)	37.7	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°	7.3	7.3	5.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	31.0	31.0	30.1	28.3	14.6	1.8	0.9	1.8	8.2	11.0	11.9
15°	38.3	36.5	34.7	32.0	30.1	21.0	11.0	50.2	59.3	61.2	61.2
17.5°	90.4	89.5	84.0	56.6	33.8	34.7	66.6	61.2	63.0	64.8	64.8
20°	96.8	96.8	94.0	91.3	63.0	71.2	76.7	65.7	81.3	114.1	114.1
22.5°	130.5	127.8	105.0	95.9	109.6	94.9	84.0	116.9	128.7	131.5	132.4
25°	164.3	164.3	159.8	130.5	119.6	114.1	124.2	138.8	137.9	146.1	148.8
27.5°	178.0	177.1	168.0	153.4	157.0	146.1	150.6	157.0	194.5	202.7	203.6
30°	241.0	241.0	235.5	176.2	168.0	167.1	173.5	194.5	206.3	212.7	215.5
32.5°	252.9	252.0	247.4	229.1	190.8	186.2	202.7	205.4	272.1	285.7	286.7
35°	298.5	299.4	287.6	242.8	236.4	212.7	216.4	262.0	288.5	299.4	300.4
37.5°	321.3	320.4	315.0	279.4	249.2	231.9	251.1	279.4	306.7	321.3	322.3
40°	346.9	346.9	339.6	304.9	278.4	249.2	272.1	303.1	336.0	346.9	347.8
42.5°	373.4	375.2	367.9	338.7	303.1	269.3	296.7	331.4	369.7	375.2	377.0
45°	415.4	412.6	404.4	367.9	329.6	294.0	323.2	367.0	407.2	414.5	416.3
47.5°	458.3	455.5	445.5	408.1	365.2	325.0	357.9	410.8	451.0	456.5	461.0
50°	501.2	497.5	494.8	448.2	408.1	366.1	398.9	456.5	494.8	500.3	501.2
52.5°	548.7	547.8	546.8	503.0	461.9	413.6	450.1	506.7	547.8	548.7	549.6
55°	608.0	607.1	608.9	566.0	533.1	482.0	514.9	571.5	608.9	604.4	604.4
57.5°	676.5	673.7	678.3	650.0	620.8	558.7	593.4	641.8	675.6	666.4	667.3
60°	757.7	760.5	769.6	746.8	713.9	652.7	691.1	720.3	755.9	744.0	744.0
62.5°	864.5	862.7	872.8	854.5	812.5	757.7	796.1	813.4	854.5	841.7	841.7
65°	975.0	980.5	986.0	981.4	919.3	852.7	894.7	932.1	949.4	930.3	929.4
67.5°	1070.9	1067.2	1086.4	1085.5	1007.9	929.4	966.8	1014.3	1021.6	991.4	992.3
70°	1078.2	1083.6	1107.4	1125.6	1059.9	986.0	996.0	1031.6	1020.6	978.7	981.4
72.5°	977.7	984.1	1007.0	1053.5	1038.9	1009.7	969.5	954.9	921.1	888.3	892.8
75°	718.5	723.9	776.9	851.8	907.4	933.9	862.7	804.3	766.9	734.0	741.3
77.5°	388.9	399.9	463.8	558.7	680.1	736.7	675.6	577.9	476.5	430.9	417.2
80°	148.8	145.2	185.3	266.6	386.2	468.3	414.5	289.4	182.6	135.1	138.8
82.5°	38.3	42.0	59.3	81.3	157.9	244.7	184.4	90.4	57.5	46.6	39.3
85°	11.9	11.9	19.2	23.7	45.6	72.1	37.4	24.6	20.1	11.9	10.0
87.5°	2.7	3.7	5.5	6.4	7.3	4.6	4.6	2.7	0.9	0.9	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)