

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: P414245

Luminaire Tested: **LXF.LXT-PA1-20-740-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414245
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-PA1-20-740-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 2936 lumens
Efficiency: N/A
Efficacy: 139.8 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

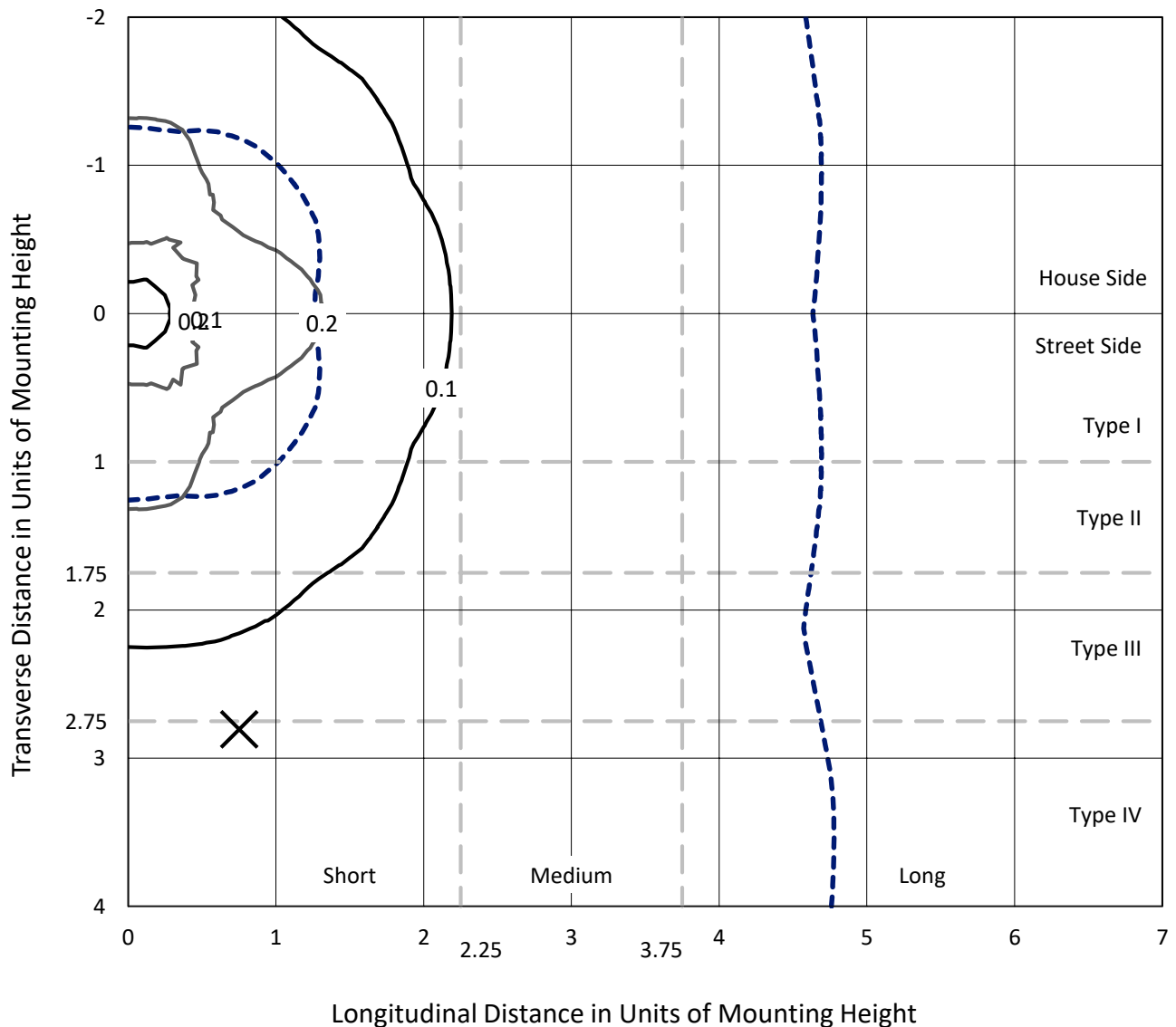
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

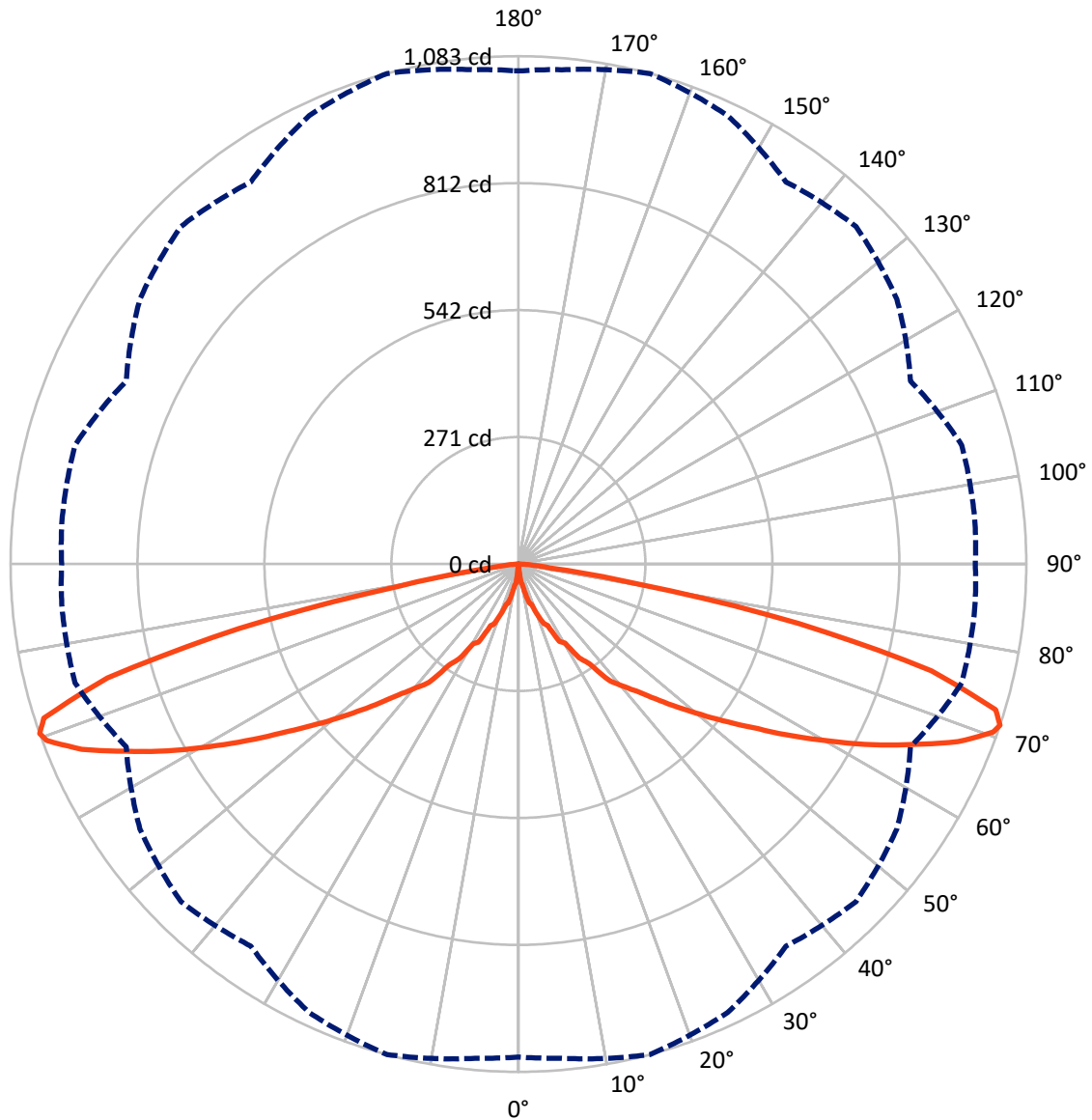
× Max cd
 - - - 1/2 Max cd



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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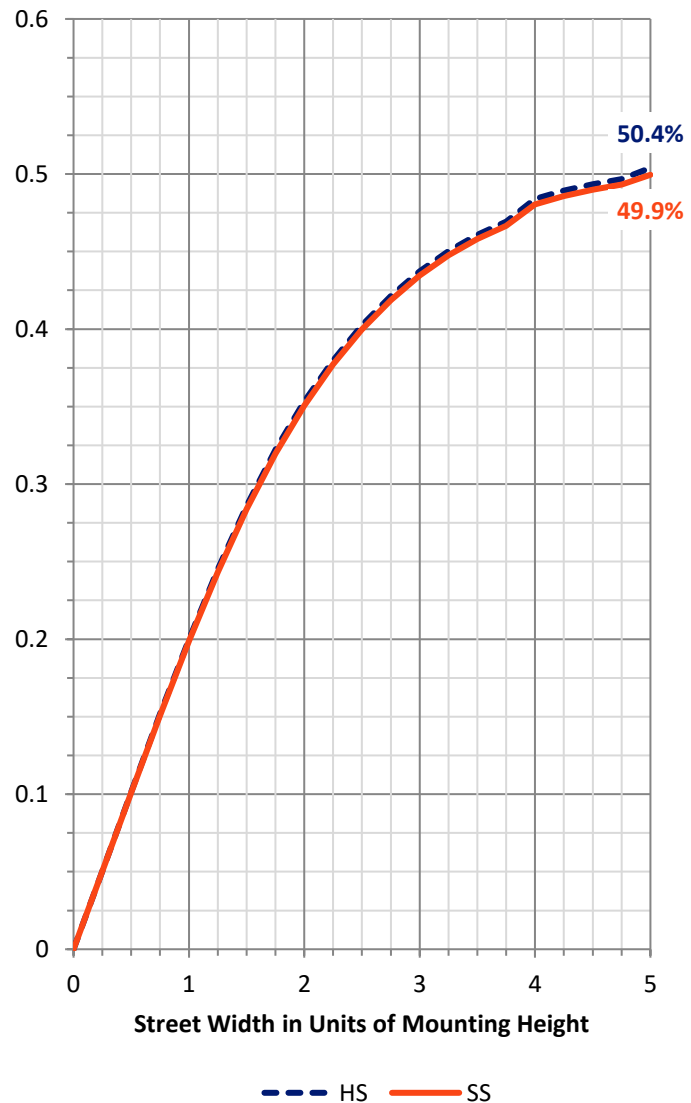
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1468.0	0.0	1468.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1468.0	0.0	1468.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2936.0	0.0	2936.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	19.5	0.7
20°-30°	73.5	2.5
30°-40°	166.6	5.7
40°-50°	297.6	10.1
50°-60°	523.8	17.8
60°-70°	866.5	29.5
70°-80°	876.2	29.8
80°-90°	111.0	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°	2936.0	100.0
0°-180°	2936.0	100.0



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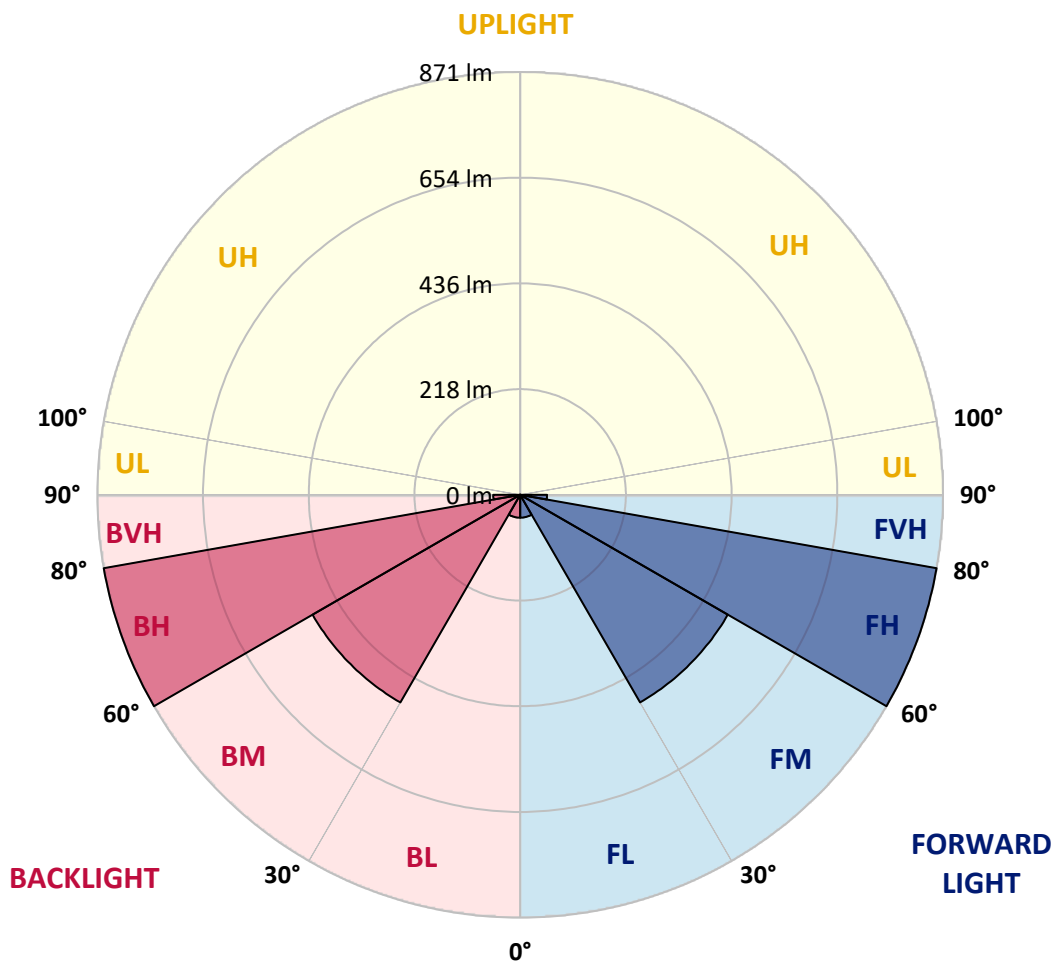
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.2	1.6			
FM	(30°-60°)	494.0	16.8			
FH	(60°-80°)	871.4	29.7			G1/1800
FVH	(80°-90°)	55.5	1.9			G1/100
BL	(0°-30°)	47.2	1.6	B0/110		
BM	(30°-60°)	494.0	16.8	B1/1000		
BH	(60°-80°)	871.4	29.7	B2/1000		G1/1800
BVH	(80°-90°)	55.5	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°	18.1	13.0	6.3	5.1	3.6	1.2	0.6	0.6	0.6	0.3	0.3
7.5°	40.7	40.4	39.8	34.7	24.4	18.1	3.9	0.9	0.6	0.6	0.6
10°	45.2	44.9	44.6	43.7	42.5	38.6	20.2	3.9	1.5	1.8	1.8
12.5°	65.1	64.8	62.1	48.2	44.0	43.1	36.5	18.7	16.0	30.1	31.9
15°	88.9	88.6	85.6	73.5	63.0	46.4	60.3	66.9	59.7	66.0	66.0
17.5°	94.3	93.4	90.4	87.4	83.2	80.8	88.9	85.6	66.3	70.8	70.8
20°	126.9	120.6	114.5	97.4	90.1	118.1	95.8	93.4	104.9	123.9	127.2
22.5°	140.8	140.5	137.4	129.6	128.1	123.9	119.4	135.9	138.6	141.1	142.0
25°	165.8	164.0	145.3	138.9	159.1	135.6	160.9	147.1	151.9	174.2	176.6
27.5°	191.4	190.8	186.9	166.7	166.7	180.2	169.4	177.8	202.5	211.3	214.6
30°	214.0	202.5	195.3	198.6	184.8	193.2	193.8	208.3	214.3	225.4	228.5
32.5°	251.4	250.5	238.7	216.4	217.0	204.7	221.5	220.3	269.5	294.8	301.4
35°	278.8	280.9	261.0	252.3	231.8	243.8	236.9	267.9	283.9	312.9	317.1
37.5°	332.7	332.4	316.2	272.8	258.0	257.7	270.4	281.8	305.9	332.4	335.2
40°	356.0	355.4	341.8	316.2	278.2	280.9	288.1	298.7	325.5	355.7	357.2
42.5°	388.2	385.2	371.3	337.3	316.8	311.3	313.2	326.1	351.7	387.6	386.1
45°	420.8	421.7	409.6	370.7	350.5	339.4	342.7	359.9	388.5	424.1	423.8
47.5°	460.2	461.4	455.7	407.2	389.4	374.0	380.4	397.5	428.9	463.6	463.0
50°	509.1	508.8	504.8	451.8	433.4	418.3	423.2	437.6	470.8	505.2	508.8
52.5°	558.8	560.0	559.4	505.8	485.6	471.1	475.6	489.2	521.4	555.8	558.8
55°	614.9	620.6	620.0	575.4	543.7	539.8	542.5	545.5	581.1	614.6	615.2
57.5°	684.2	686.9	692.3	654.0	618.5	616.4	611.2	610.0	645.0	672.7	668.5
60°	756.2	758.9	767.7	743.0	703.8	708.0	691.1	672.7	706.2	728.5	726.1
62.5°	825.2	831.6	848.7	828.9	792.7	805.6	773.4	742.4	773.4	791.8	788.2
65°	899.4	907.2	927.4	919.6	868.0	895.5	861.1	809.3	851.5	860.5	861.1
67.5°	981.1	987.4	1011.5	997.3	933.4	963.0	934.6	875.0	921.4	918.1	914.8
70°	1044.1	1051.9	1074.2	1044.7	981.1	1005.8	977.7	916.6	970.5	972.3	969.6
71°	1051.6	1058.2	1083.2	1055.5	994.9	1018.1	985.3	922.9	979.0	977.7	974.4
72.5°	1026.6	1034.7	1064.3	1046.5	1005.8	1033.5	985.0	912.6	966.9	955.7	951.2
75°	869.5	873.8	909.9	942.5	966.6	1026.9	930.1	832.2	868.3	851.2	849.1
77.5°	528.4	539.2	611.5	711.3	827.7	924.4	809.3	673.0	658.9	607.9	588.0
80°	182.3	201.3	258.6	363.8	556.7	714.3	570.6	411.4	307.7	231.8	214.3
82.5°	30.4	44.3	67.2	113.9	250.2	406.0	281.8	135.9	88.3	61.8	59.7
85°	10.2	12.1	25.6	31.6	58.5	111.8	65.7	37.7	32.6	20.8	19.3
87.5°	1.5	2.1	3.3	3.6	5.1	3.0	5.4	5.7	4.5	3.0	1.8
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)