

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: P414141

Luminaire Tested: **LXF.LXT-PA1-20-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414141
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-PA1-20-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2455 lumens
Efficiency: N/A
Efficacy: 116.9 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

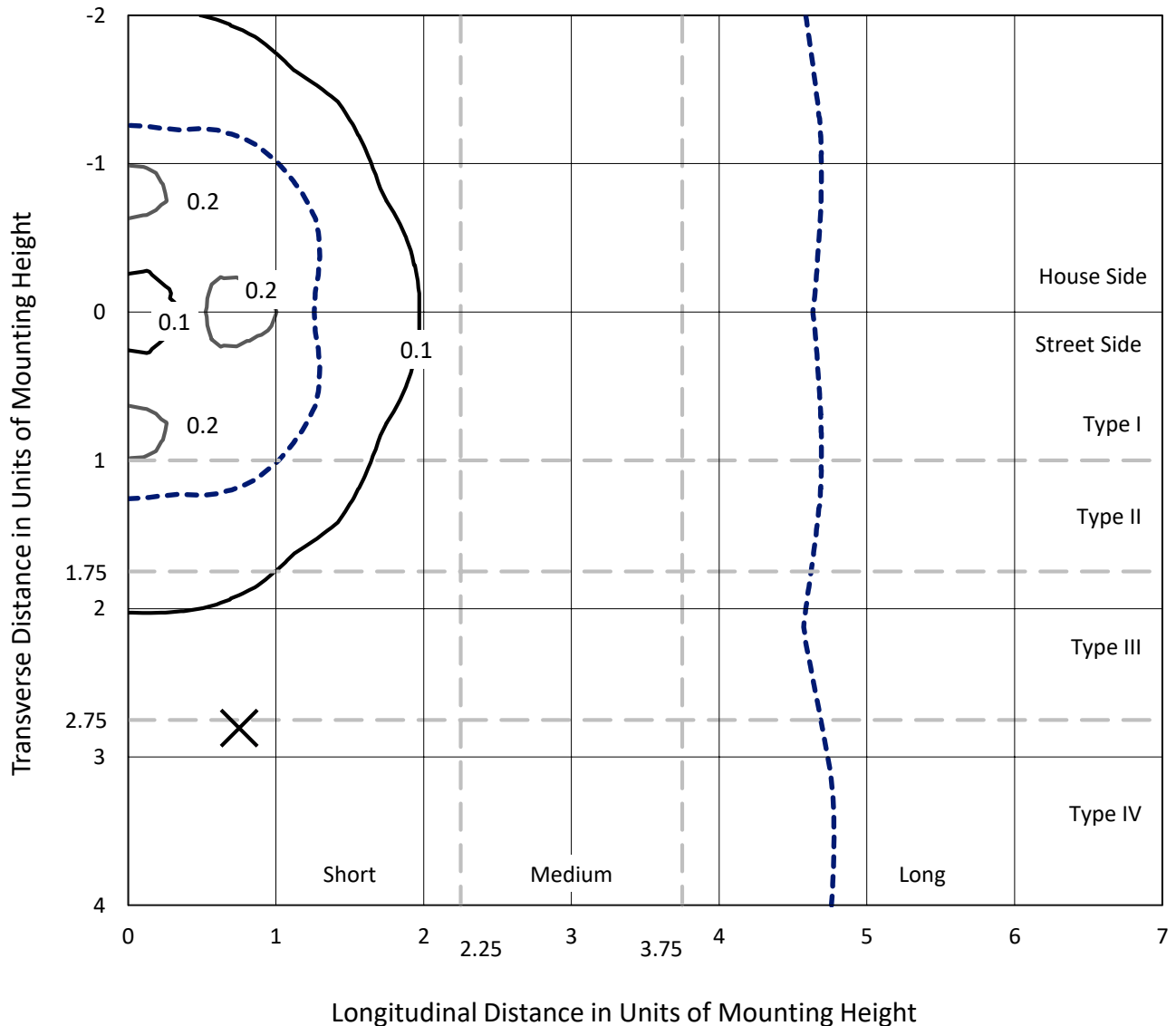
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

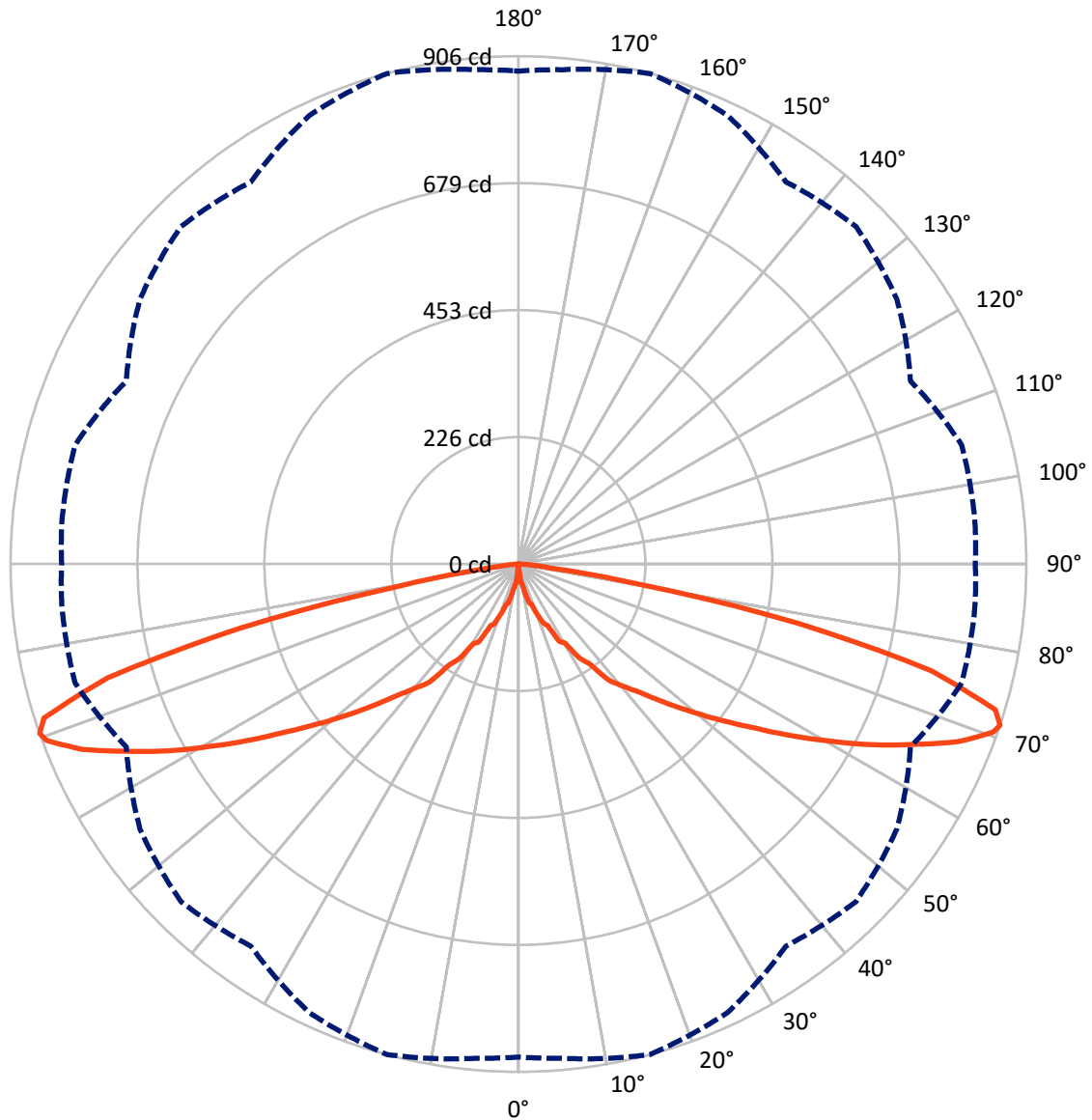
× Max cd
 - - - 1/2 Max cd



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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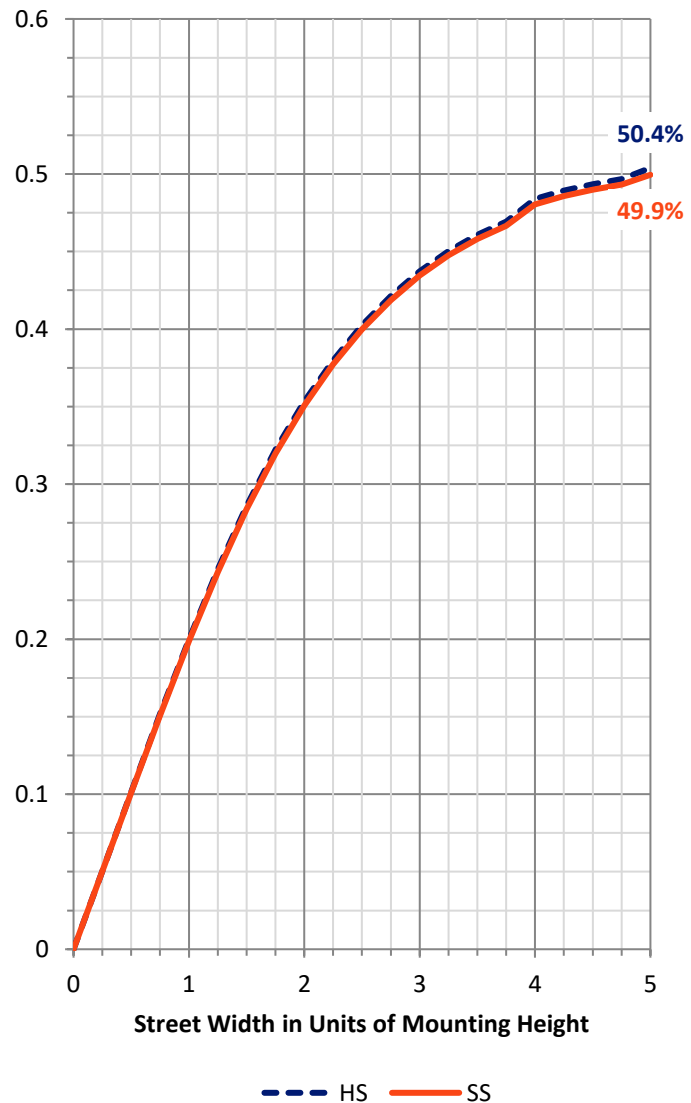
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.5	0.0	1227.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1227.5	0.0	1227.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2455.0	0.0	2455.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	16.3	0.7
20°-30°	61.5	2.5
30°-40°	139.3	5.7
40°-50°	248.9	10.1
50°-60°	438.0	17.8
60°-70°	724.5	29.5
70°-80°	732.7	29.8
80°-90°	92.8	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°	2455.0	100.0
0°-180°	2455.0	100.0



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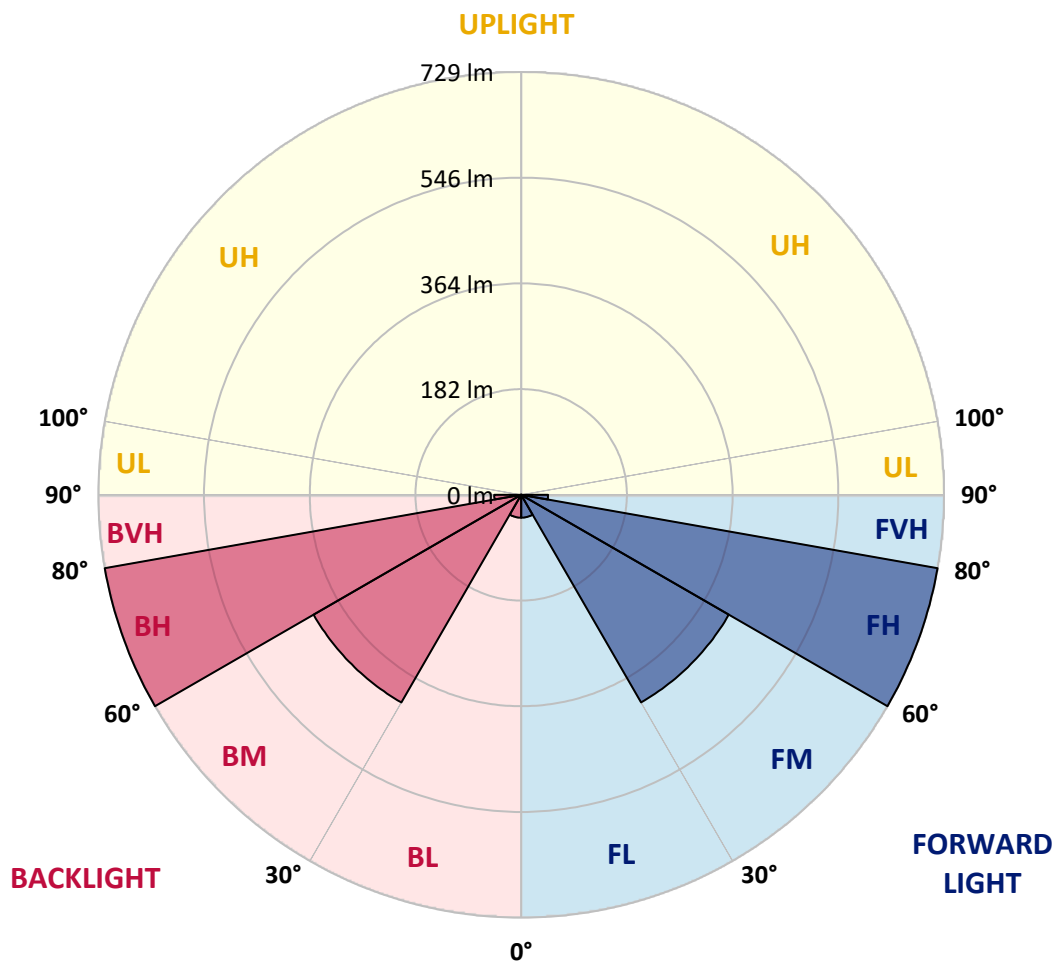
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.4	1.6			
FM (30°-60°)	413.1	16.8			
FH (60°-80°)	728.6	29.7			G1/1800
FVH (80°-90°)	46.4	1.9			G1/100
BL (0°-30°)	39.4	1.6	B0/110		
BM (30°-60°)	413.1	16.8	B1/1000		
BH (60°-80°)	728.6	29.7	B2/1000		G1/1800
BVH (80°-90°)	46.4	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°	0.8	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
5°	15.1	10.8	5.3	4.3	3.0	1.0	0.5	0.5	0.5	0.3	0.3
7.5°	34.0	33.8	33.3	29.0	20.4	15.1	3.3	0.8	0.5	0.5	0.5
10°	37.8	37.6	37.3	36.5	35.5	32.3	16.9	3.3	1.3	1.5	1.5
12.5°	54.4	54.2	51.9	40.3	36.8	36.0	30.5	15.6	13.4	25.2	26.7
15°	74.3	74.1	71.6	61.5	52.7	38.8	50.4	55.9	49.9	55.2	55.2
17.5°	78.9	78.1	75.6	73.1	69.6	67.5	74.3	71.6	55.4	59.2	59.2
20°	106.1	100.8	95.8	81.4	75.4	98.8	80.1	78.1	87.7	103.6	106.4
22.5°	117.7	117.4	114.9	108.4	107.1	103.6	99.8	113.7	115.9	117.9	118.7
25°	138.6	137.1	121.5	116.2	133.1	113.4	134.6	123.0	127.0	145.7	147.7
27.5°	160.0	159.5	156.3	139.4	139.4	150.7	141.6	148.7	169.4	176.7	179.4
30°	178.9	169.4	163.3	166.1	154.5	161.5	162.1	174.1	179.2	188.5	191.0
32.5°	210.2	209.4	199.6	181.0	181.5	171.1	185.2	184.2	225.3	246.5	252.0
35°	233.1	234.9	218.3	210.9	193.8	203.9	198.1	224.0	237.4	261.6	265.1
37.5°	278.2	278.0	264.4	228.1	215.7	215.5	226.1	235.6	255.8	278.0	280.3
40°	297.6	297.1	285.8	264.4	232.6	234.9	240.9	249.8	272.2	297.4	298.6
42.5°	324.6	322.1	310.5	282.0	264.9	260.3	261.9	272.7	294.1	324.1	322.8
45°	351.8	352.6	342.5	310.0	293.1	283.8	286.6	300.9	324.9	354.6	354.3
47.5°	384.8	385.8	381.1	340.5	325.6	312.8	318.1	332.4	358.6	387.6	387.1
50°	425.7	425.4	422.1	377.8	362.4	349.8	353.8	365.9	393.7	422.4	425.4
52.5°	467.3	468.3	467.8	422.9	406.0	393.9	397.7	409.0	436.0	464.7	467.3
55°	514.1	518.9	518.4	481.1	454.7	451.4	453.6	456.2	485.9	513.9	514.4
57.5°	572.1	574.4	578.9	546.9	517.2	515.4	511.1	510.1	539.3	562.5	559.0
60°	632.3	634.6	641.9	621.2	588.5	592.0	577.9	562.5	590.5	609.1	607.1
62.5°	690.0	695.3	709.7	693.1	662.8	673.7	646.7	620.7	646.7	662.1	659.0
65°	752.0	758.6	775.5	768.9	725.8	748.8	720.0	676.7	712.0	719.5	720.0
67.5°	820.3	825.6	845.8	833.9	780.5	805.2	781.5	731.6	770.4	767.7	764.9
70°	873.0	879.6	898.2	873.5	820.3	841.0	817.6	766.4	811.5	813.0	810.8
71°	879.3	884.9	905.8	882.6	831.9	851.3	823.9	771.7	818.6	817.6	814.8
72.5°	858.4	865.2	889.9	875.0	841.0	864.2	823.6	763.1	808.5	799.2	795.4
75°	727.1	730.6	760.9	788.1	808.2	858.6	777.7	695.8	726.1	711.7	710.0
77.5°	441.8	450.9	511.4	594.8	692.1	773.0	676.7	562.8	550.9	508.3	491.7
80°	152.5	168.4	216.2	304.2	465.5	597.3	477.1	344.0	257.3	193.8	179.2
82.5°	25.5	37.0	56.2	95.3	209.2	339.5	235.6	113.7	73.8	51.7	49.9
85°	8.6	10.1	21.4	26.5	48.9	93.5	54.9	31.5	27.2	17.4	16.1
87.5°	1.3	1.8	2.8	3.0	4.3	2.5	4.5	4.8	3.8	2.5	1.5
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)