

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: P414193

Luminaire Tested: **LXF.LXT-PA1-20-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414193
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-PA1-20-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2674 lumens
Efficiency: N/A
Efficacy: 127.3 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

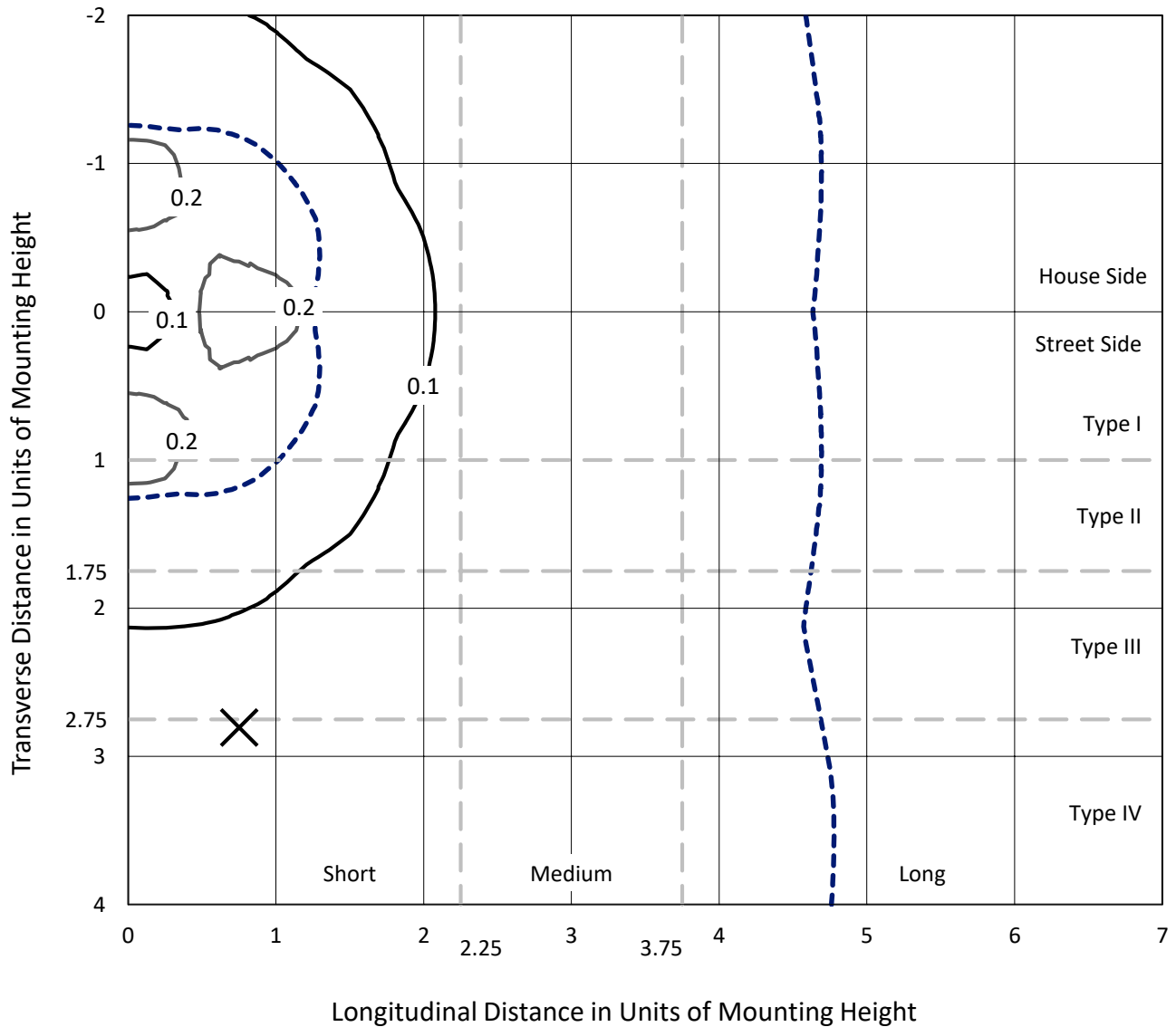
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

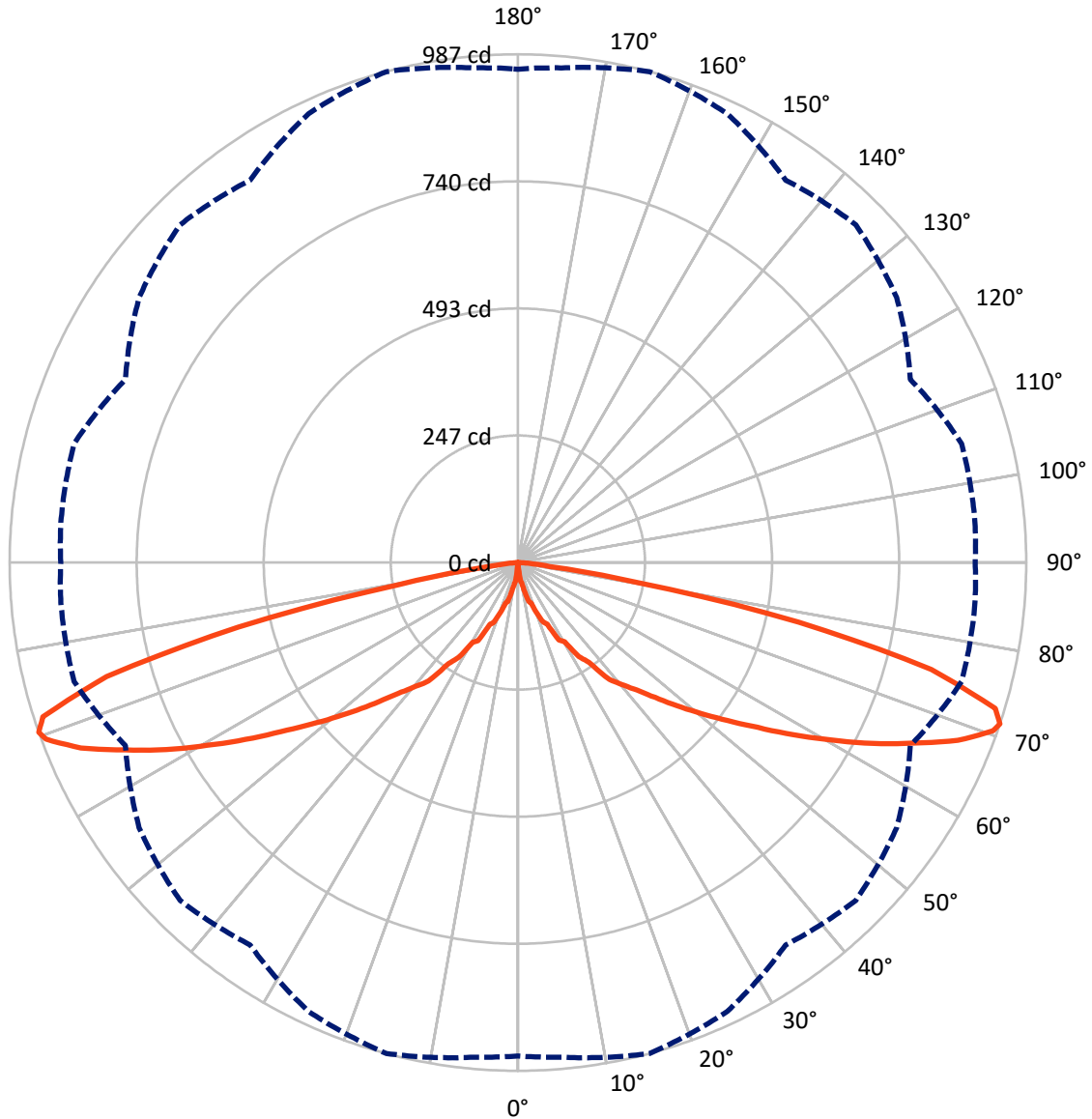
× Max cd
 - - - 1/2 Max cd



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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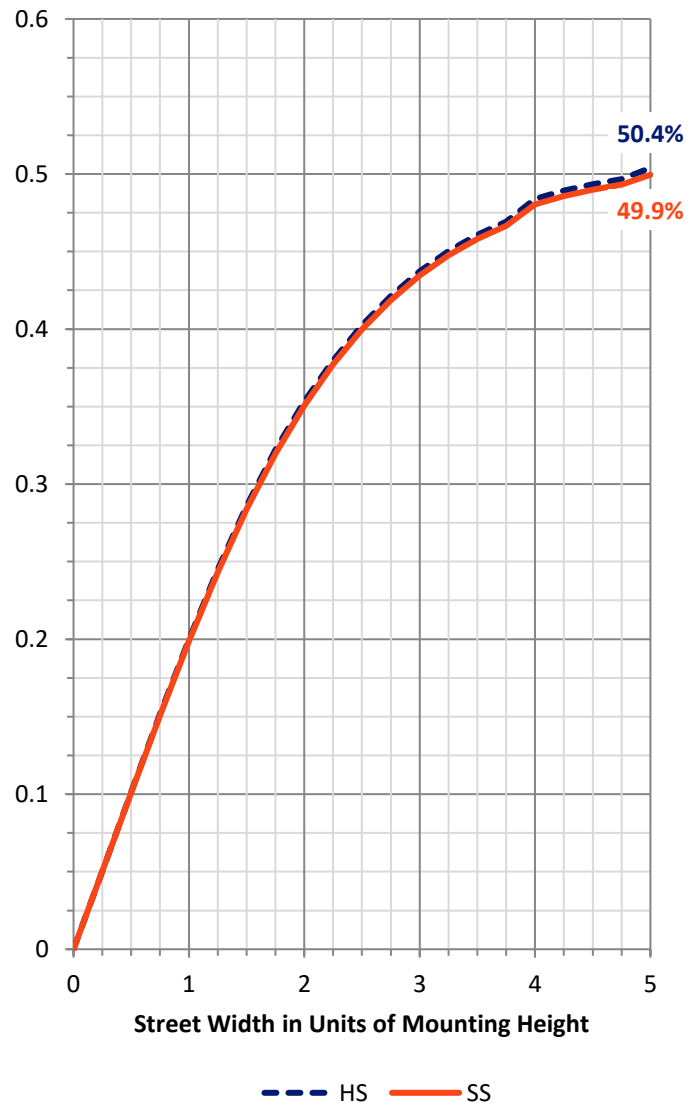
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1337.0	0.0	1337.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1337.0	0.0	1337.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2674.0	0.0	2674.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	17.7	0.7
20°-30°	67.0	2.5
30°-40°	151.7	5.7
40°-50°	271.1	10.1
50°-60°	477.0	17.8
60°-70°	789.2	29.5
70°-80°	798.0	29.8
80°-90°	101.1	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°	2674.0	100.0
0°-180°	2674.0	100.0



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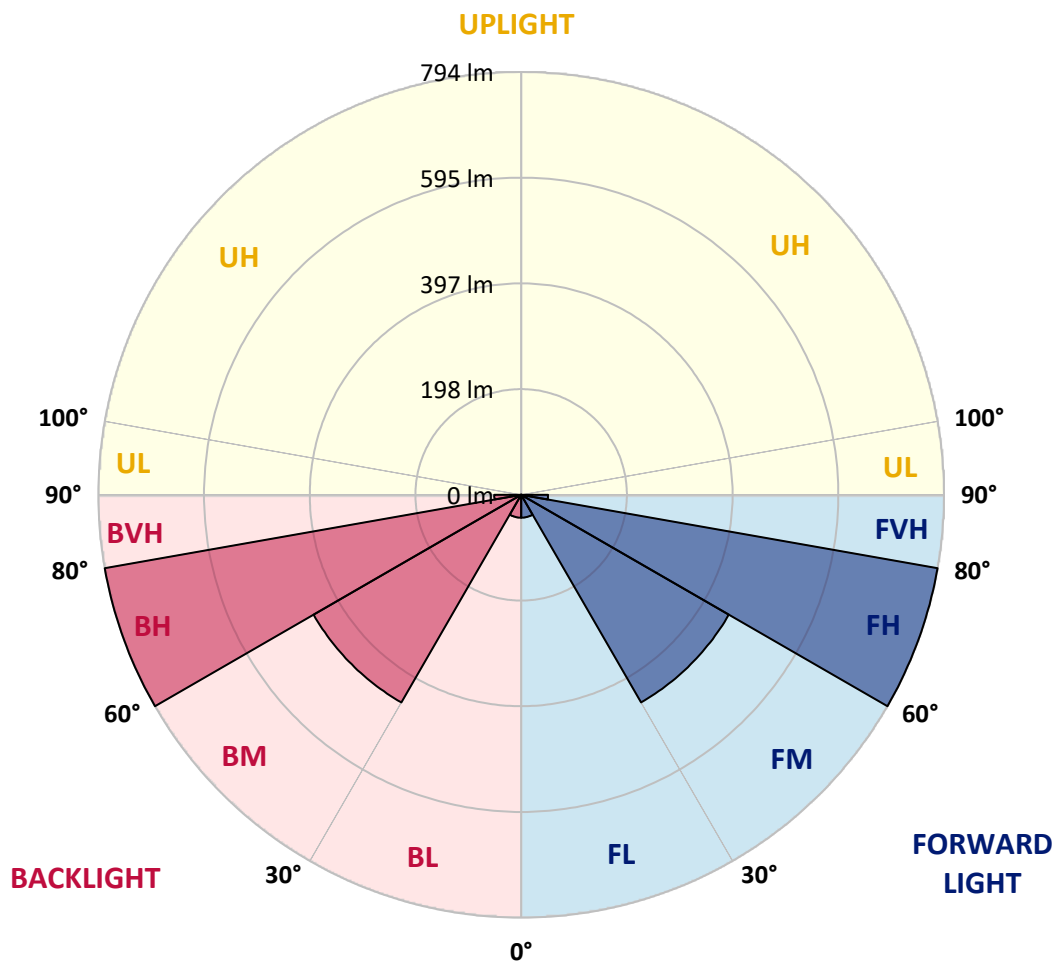
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.0	1.6			
FM (30°-60°)	449.9	16.8			
FH (60°-80°)	793.6	29.7			G1/1800
FVH (80°-90°)	50.5	1.9			G1/100
BL (0°-30°)	43.0	1.6	B0/110		
BM (30°-60°)	449.9	16.8	B1/1000		
BH (60°-80°)	793.6	29.7	B2/1000		G1/1800
BVH (80°-90°)	50.5	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°	0.8	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3
5°	16.5	11.8	5.8	4.7	3.3	1.1	0.5	0.5	0.5	0.3	0.3
7.5°	37.1	36.8	36.2	31.6	22.2	16.5	3.6	0.8	0.5	0.5	0.5
10°	41.2	40.9	40.6	39.8	38.7	35.1	18.4	3.6	1.4	1.6	1.6
12.5°	59.3	59.0	56.5	43.9	40.1	39.3	33.2	17.0	14.5	27.5	29.1
15°	81.0	80.7	78.0	67.0	57.4	42.3	54.9	60.9	54.4	60.1	60.1
17.5°	85.9	85.1	82.4	79.6	75.8	73.6	81.0	78.0	60.4	64.5	64.5
20°	115.6	109.8	104.3	88.7	82.1	107.6	87.3	85.1	95.5	112.8	115.8
22.5°	128.2	127.9	125.2	118.0	116.7	112.8	108.7	123.8	126.3	128.5	129.3
25°	151.0	149.3	132.3	126.5	144.9	123.5	146.6	134.0	138.4	158.7	160.9
27.5°	174.3	173.8	170.2	151.8	151.8	164.2	154.3	162.0	184.5	192.4	195.4
30°	194.9	184.5	177.9	180.9	168.3	176.0	176.5	189.7	195.2	205.3	208.1
32.5°	228.9	228.1	217.4	197.1	197.6	186.4	201.8	200.7	245.4	268.5	274.5
35°	253.9	255.8	237.7	229.8	211.1	222.1	215.8	244.0	258.6	284.9	288.8
37.5°	303.1	302.8	288.0	248.4	235.0	234.7	246.2	256.7	278.6	302.8	305.3
40°	324.2	323.6	311.3	288.0	253.4	255.8	262.4	272.0	296.5	323.9	325.3
42.5°	353.6	350.8	338.2	307.2	288.5	283.6	285.2	297.0	320.3	353.0	351.6
45°	383.2	384.0	373.1	337.6	319.3	309.1	312.1	327.8	353.8	386.2	386.0
47.5°	419.2	420.3	415.1	370.9	354.7	340.7	346.4	362.1	390.6	422.2	421.6
50°	463.6	463.4	459.8	411.5	394.7	381.0	385.4	398.6	428.8	460.1	463.4
52.5°	508.9	510.0	509.5	460.6	442.2	429.1	433.2	445.5	474.9	506.2	508.9
55°	560.0	565.2	564.7	524.0	495.2	491.6	494.1	496.9	529.2	559.7	560.3
57.5°	623.1	625.6	630.5	595.7	563.3	561.4	556.7	555.6	587.4	612.7	608.9
60°	688.7	691.2	699.2	676.7	641.0	644.8	629.4	612.7	643.2	663.5	661.3
62.5°	751.6	757.4	773.0	754.9	722.0	733.8	704.4	676.1	704.4	721.1	717.8
65°	819.1	826.3	844.7	837.5	790.6	815.6	784.3	737.0	775.5	783.7	784.3
67.5°	893.5	899.3	921.2	908.3	850.1	877.0	851.2	796.9	839.2	836.1	833.1
70°	950.9	958.0	978.3	951.4	893.5	916.0	890.5	834.8	883.9	885.6	883.1
71°	957.8	963.8	986.6	961.3	906.1	927.3	897.4	840.5	891.6	890.5	887.5
72.5°	935.0	942.4	969.3	953.1	916.0	941.3	897.1	831.2	880.6	870.5	866.3
75°	791.9	795.8	828.7	858.4	880.3	935.2	847.1	757.9	790.9	775.2	773.3
77.5°	481.2	491.1	557.0	647.8	753.8	841.9	737.0	613.0	600.1	553.7	535.6
80°	166.1	183.4	235.5	331.3	507.0	650.6	519.6	374.7	280.3	211.1	195.2
82.5°	27.7	40.4	61.2	103.8	227.8	369.8	256.7	123.8	80.4	56.3	54.4
85°	9.3	11.0	23.3	28.8	53.3	101.8	59.8	34.3	29.6	18.9	17.6
87.5°	1.4	1.9	3.0	3.3	4.7	2.7	4.9	5.2	4.1	2.7	1.6
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)