

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: P414609

Luminaire Tested: **LXF.LXT-PA1-30-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414609
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-PA1-30-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3751 lumens
Efficiency: N/A
Efficacy: 121.0 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

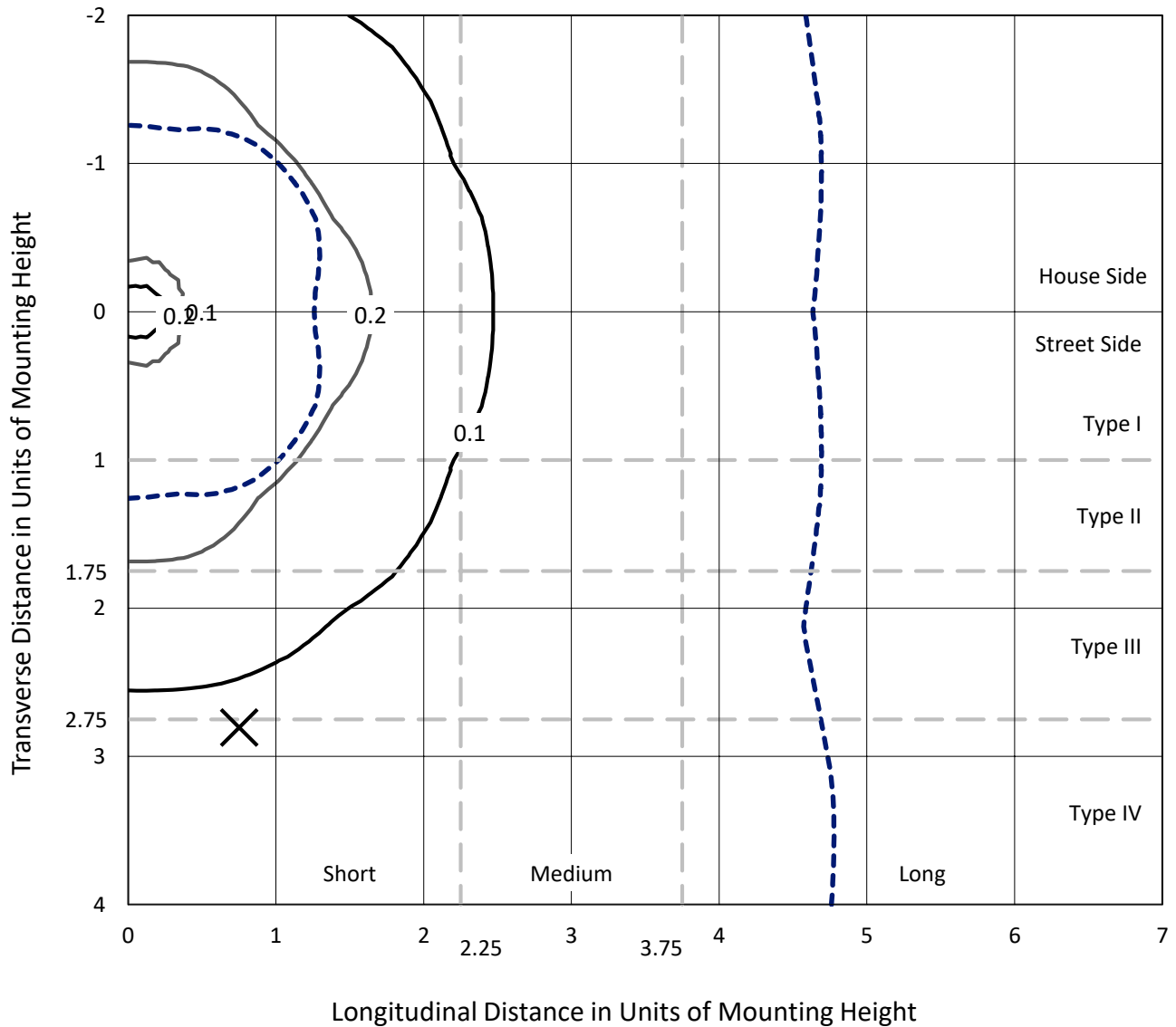
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

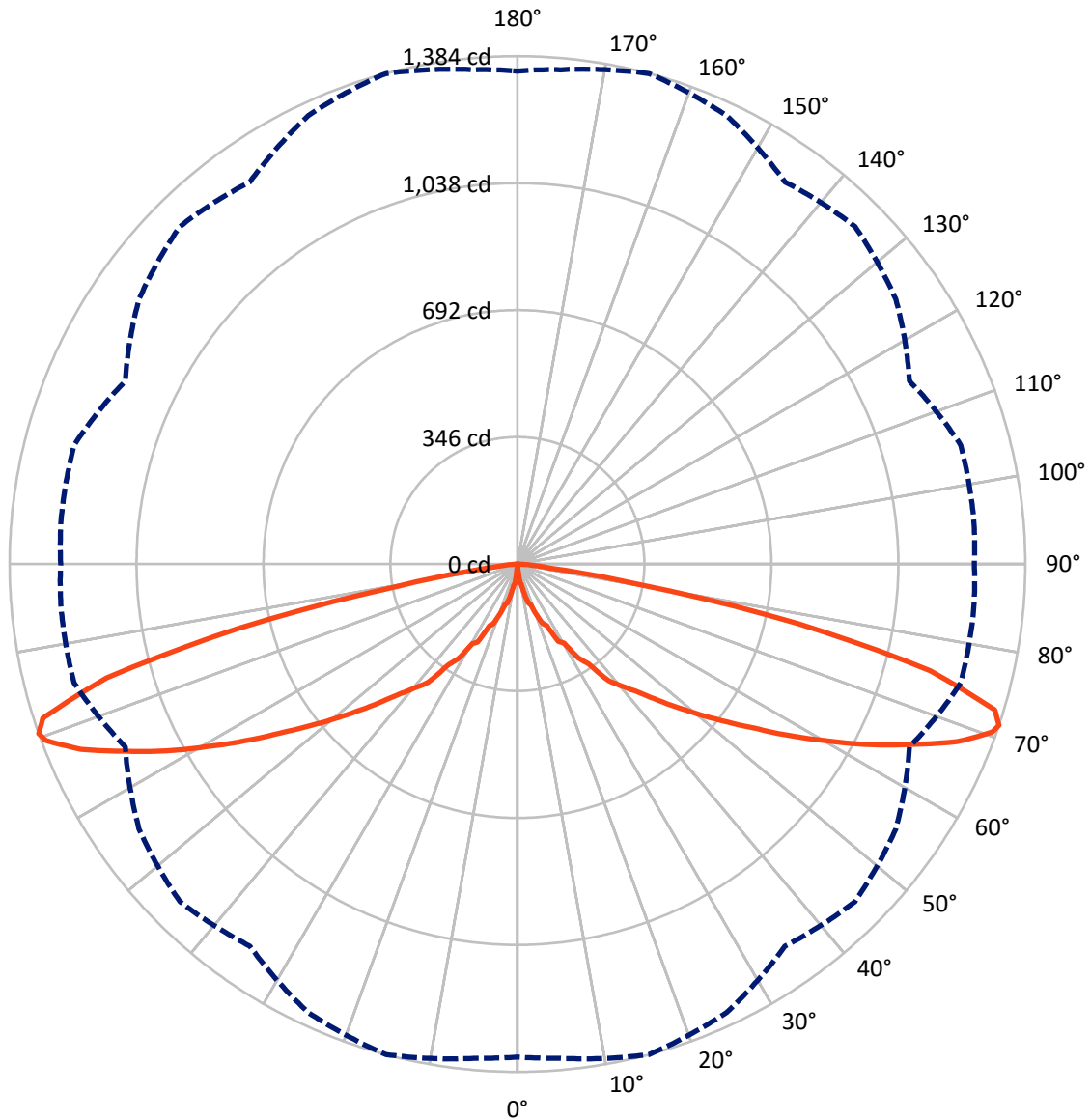
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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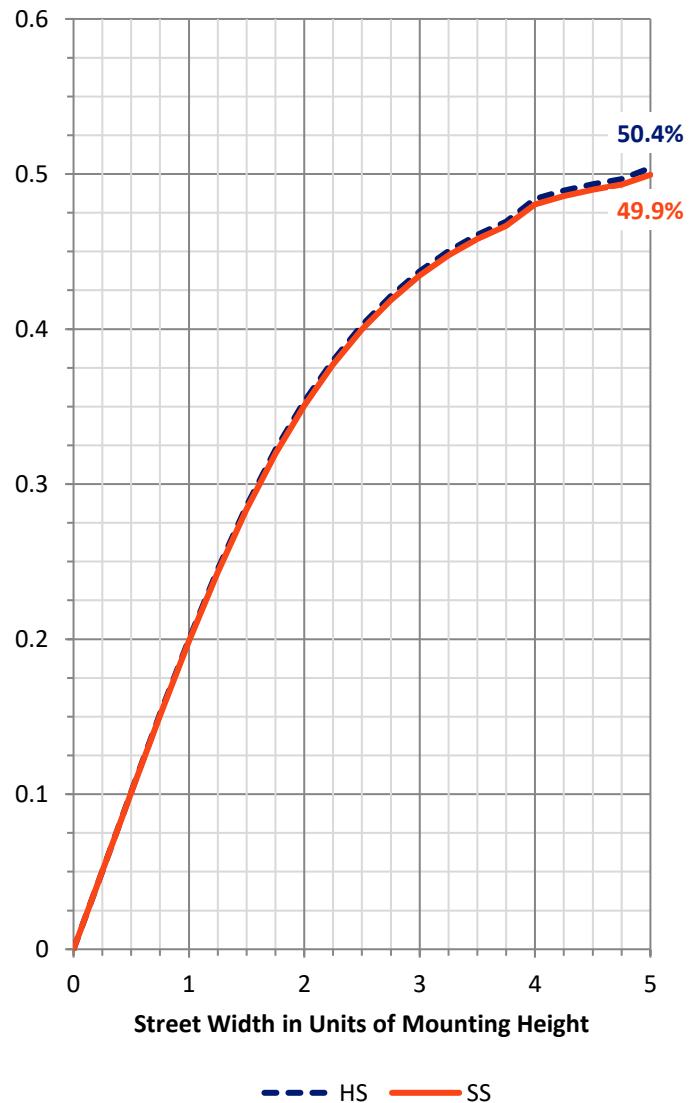
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1875.5	0.0	1875.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1875.5	0.0	1875.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3751.0	0.0	3751.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.0
10°-20°	24.9	0.7
20°-30°	94.0	2.5
30°-40°	212.8	5.7
40°-50°	380.2	10.1
50°-60°	669.2	17.8
60°-70°	1107.0	29.5
70°-80°	1119.5	29.8
80°-90°	141.8	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°	3751.0	100.0
0°-180°	3751.0	100.0



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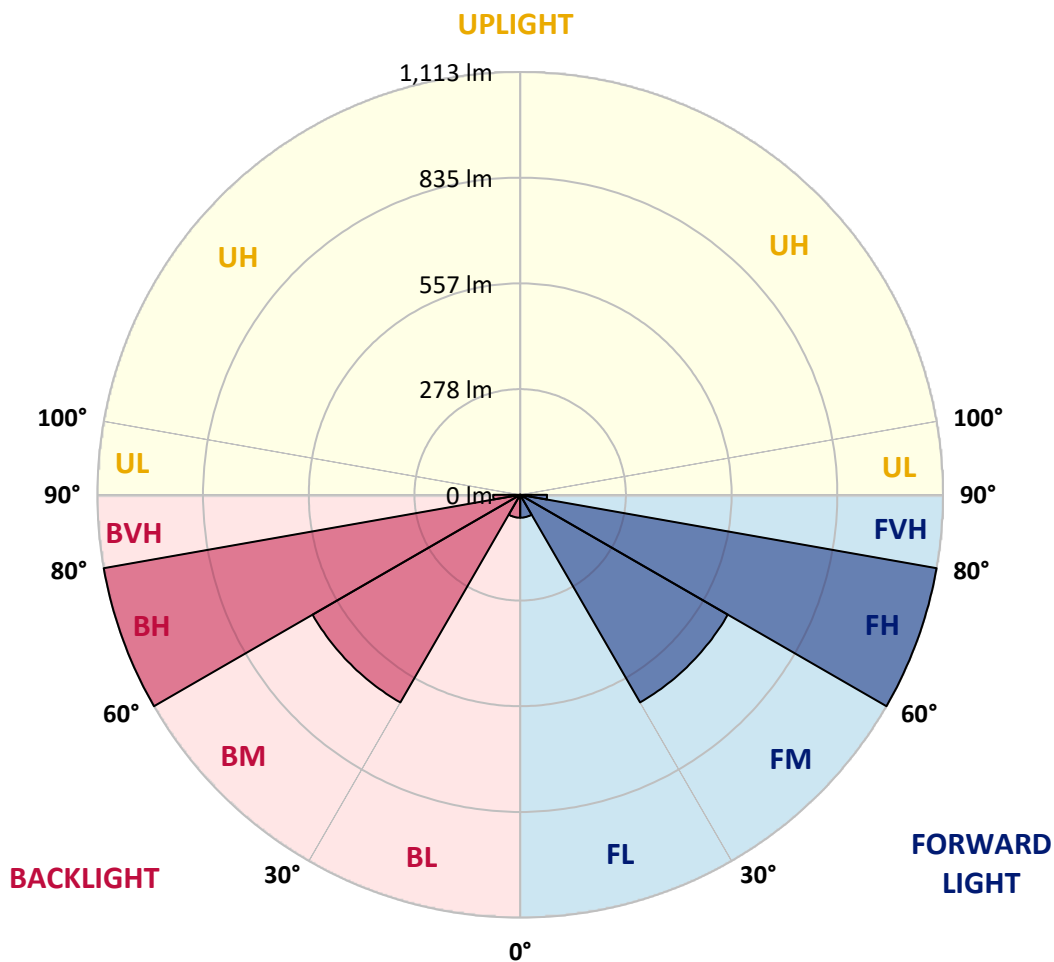
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.3	1.6			
FM (30°-60°)	631.1	16.8			
FH (60°-80°)	1113.2	29.7			G1/1800
FVH (80°-90°)	70.9	1.9			G1/100
BL (0°-30°)	60.3	1.6	B0/110		
BM (30°-60°)	631.1	16.8	B1/1000		
BH (60°-80°)	1113.2	29.7	B3/2500		G1/1800
BVH (80°-90°)	70.9	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°	1.2	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
5°	23.1	16.6	8.1	6.5	4.6	1.5	0.8	0.8	0.8	0.4	0.4
7.5°	52.0	51.6	50.8	44.3	31.2	23.1	5.0	1.2	0.8	0.8	0.8
10°	57.8	57.4	57.0	55.8	54.3	49.3	25.8	5.0	1.9	2.3	2.3
12.5°	83.2	82.8	79.3	61.6	56.2	55.1	46.6	23.9	20.4	38.5	40.8
15°	113.6	113.2	109.4	94.0	80.5	59.3	77.0	85.5	76.2	84.3	84.3
17.5°	120.5	119.4	115.5	111.7	106.3	103.2	113.6	109.4	84.7	90.5	90.5
20°	162.1	154.0	146.3	124.4	115.1	150.9	122.5	119.4	134.0	158.3	162.5
22.5°	179.8	179.4	175.6	165.6	163.7	158.3	152.5	173.7	177.1	180.2	181.4
25°	211.8	209.5	185.6	177.5	203.3	173.3	205.6	187.9	194.1	222.6	225.6
27.5°	244.5	243.7	238.7	212.9	212.9	230.3	216.4	227.2	258.8	269.9	274.2
30°	273.4	258.8	249.5	253.8	236.0	246.8	247.6	266.1	273.8	288.0	291.9
32.5°	321.1	320.0	305.0	276.5	277.2	261.5	283.0	281.5	344.3	376.6	385.1
35°	356.2	358.9	333.5	322.3	296.1	311.5	302.7	342.3	362.7	399.7	405.1
37.5°	425.1	424.7	403.9	348.5	329.6	329.2	345.4	360.0	390.8	424.7	428.2
40°	454.8	454.0	436.7	403.9	355.4	358.9	368.1	381.6	415.9	454.4	456.3
42.5°	496.0	492.1	474.4	430.9	404.7	397.8	400.1	416.6	449.4	495.2	493.3
45°	537.6	538.7	523.3	473.6	447.8	433.6	437.8	459.8	496.4	541.8	541.4
47.5°	588.0	589.5	582.2	520.2	497.5	477.9	486.0	507.9	548.0	592.2	591.5
50°	650.4	650.0	645.0	577.2	553.7	534.5	540.6	559.1	601.5	645.4	650.0
52.5°	713.9	715.5	714.7	646.1	620.3	601.9	607.6	625.0	666.2	710.1	713.9
55°	785.5	792.9	792.1	735.1	694.7	689.7	693.1	697.0	742.4	785.2	785.9
57.5°	874.1	877.6	884.5	835.6	790.2	787.5	780.9	779.4	824.0	859.5	854.1
60°	966.1	969.6	980.8	949.2	899.1	904.5	883.0	859.5	902.2	930.7	927.6
62.5°	1054.3	1062.4	1084.4	1058.9	1012.7	1029.3	988.1	948.4	988.1	1011.6	1007.0
65°	1149.0	1159.1	1184.9	1174.8	1109.0	1144.0	1100.1	1033.9	1087.8	1099.4	1100.1
67.5°	1253.4	1261.5	1292.3	1274.2	1192.6	1230.3	1194.1	1117.9	1177.2	1172.9	1168.7
70°	1333.9	1343.9	1372.4	1334.6	1253.4	1285.0	1249.2	1171.0	1239.9	1242.2	1238.8
71°	1343.5	1352.0	1383.9	1348.5	1271.1	1300.8	1258.8	1179.1	1250.7	1249.2	1244.9
72.5°	1311.5	1321.9	1359.7	1337.0	1285.0	1320.4	1258.4	1166.0	1235.3	1221.1	1215.3
75°	1110.9	1116.3	1162.5	1204.1	1234.9	1311.9	1188.3	1063.2	1109.4	1087.4	1084.7
77.5°	675.0	688.9	781.3	908.8	1057.4	1181.0	1033.9	859.9	841.8	776.7	751.3
80°	233.0	257.2	330.4	464.8	711.2	912.6	728.9	525.6	393.2	296.1	273.8
82.5°	38.9	56.6	85.9	145.6	319.6	518.7	360.0	173.7	112.8	78.9	76.2
85°	13.1	15.4	32.7	40.4	74.7	142.9	83.9	48.1	41.6	26.6	24.6
87.5°	1.9	2.7	4.2	4.6	6.5	3.9	6.9	7.3	5.8	3.9	2.3
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)