

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: P415805

Luminaire Tested: **LXF.LXT-PA1-60-727-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415805
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-PA1-60-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6646 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

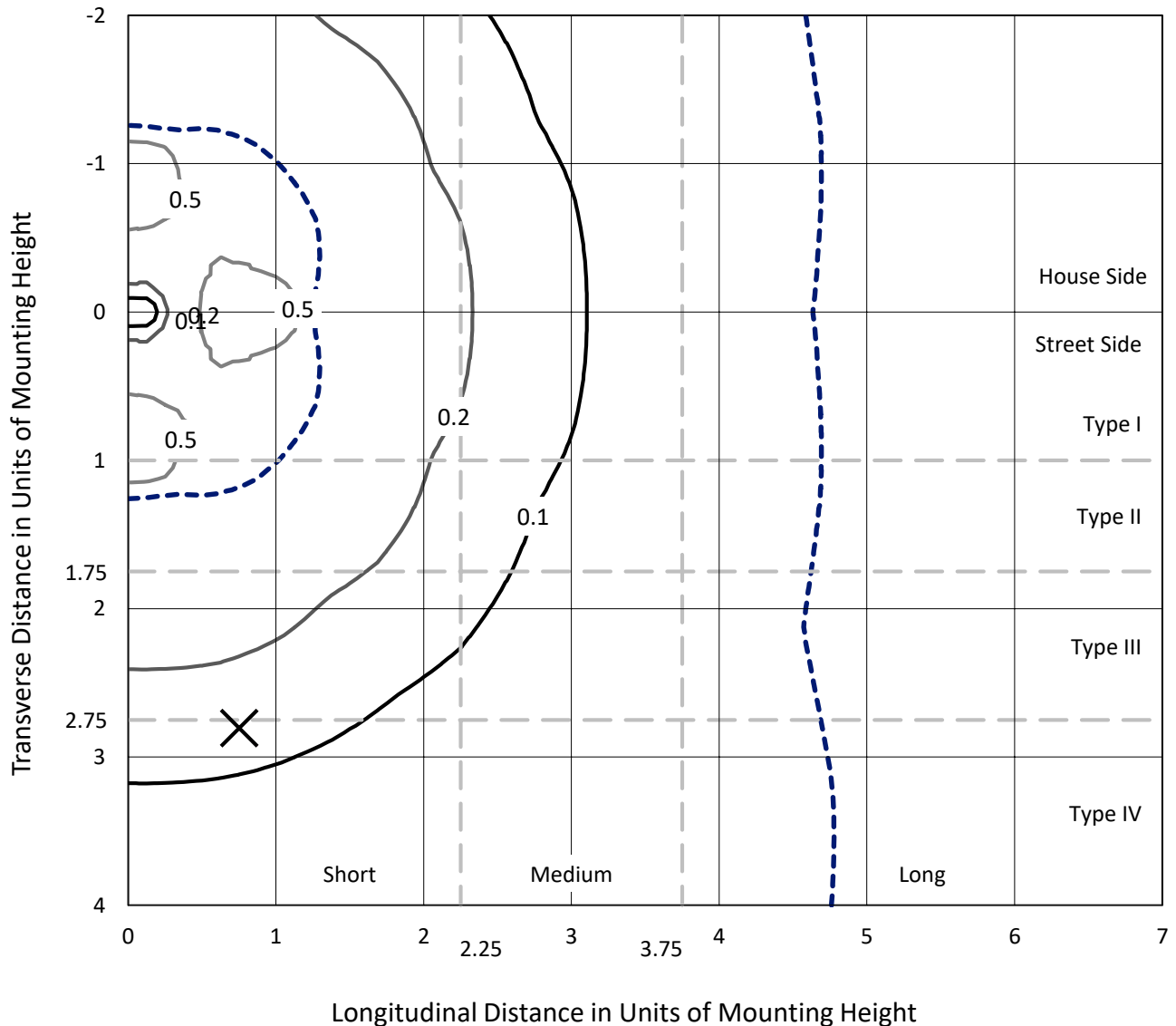
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

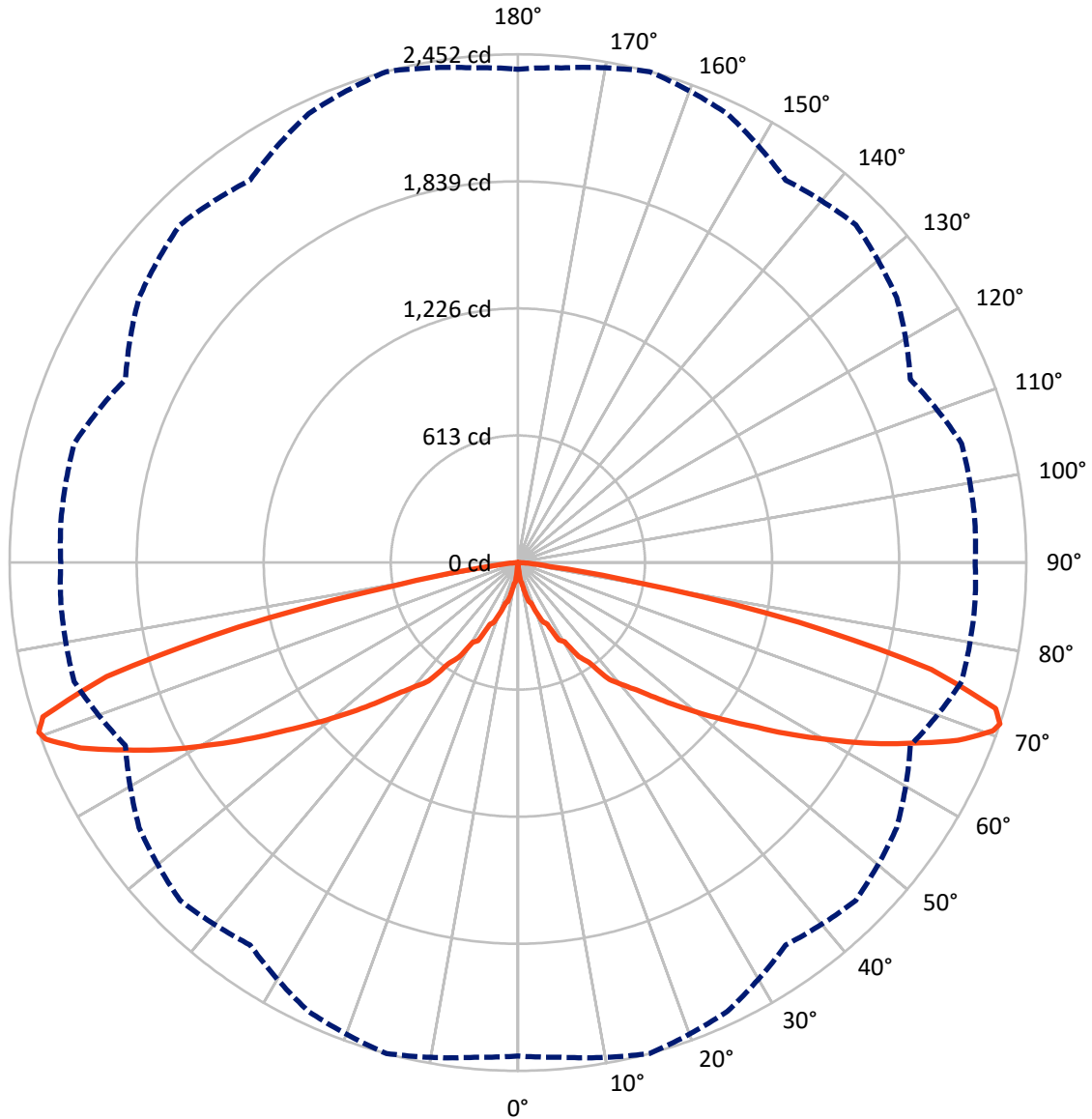
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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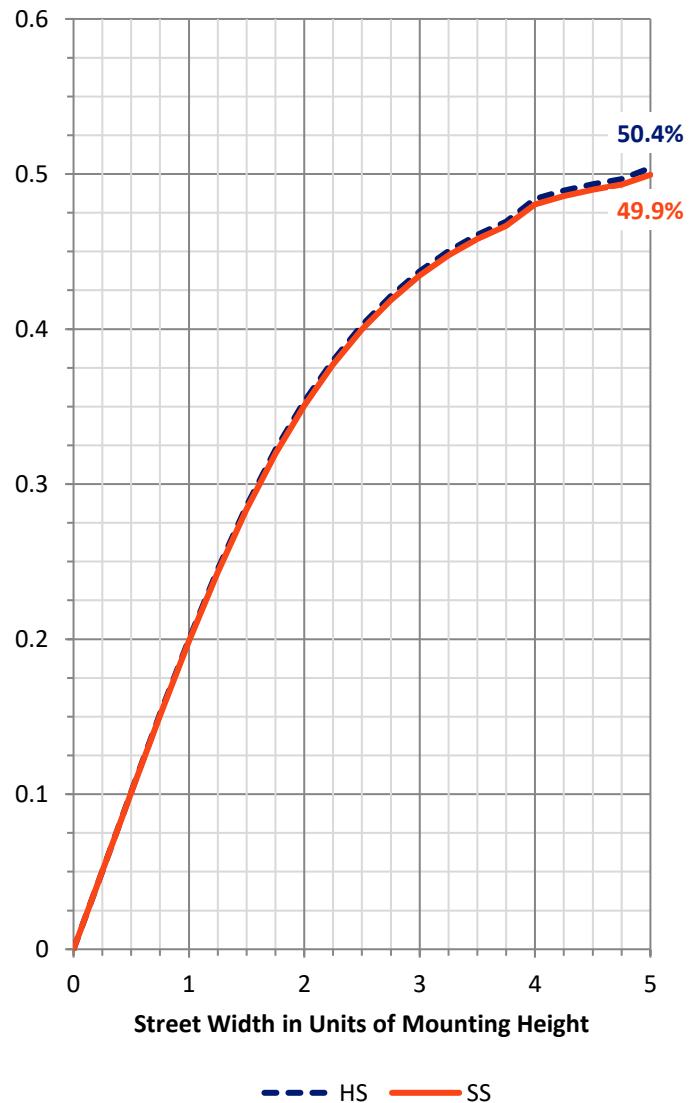
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3323.0	0.0	3323.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3323.0	0.0	3323.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6646.0	0.0	6646.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.0
10°-20°	44.1	0.7
20°-30°	166.5	2.5
30°-40°	377.0	5.7
40°-50°	673.7	10.1
50°-60°	1185.6	17.8
60°-70°	1961.4	29.5
70°-80°	1983.5	29.8
80°-90°	251.3	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°	6646.0	100.0
0°-180°	6646.0	100.0



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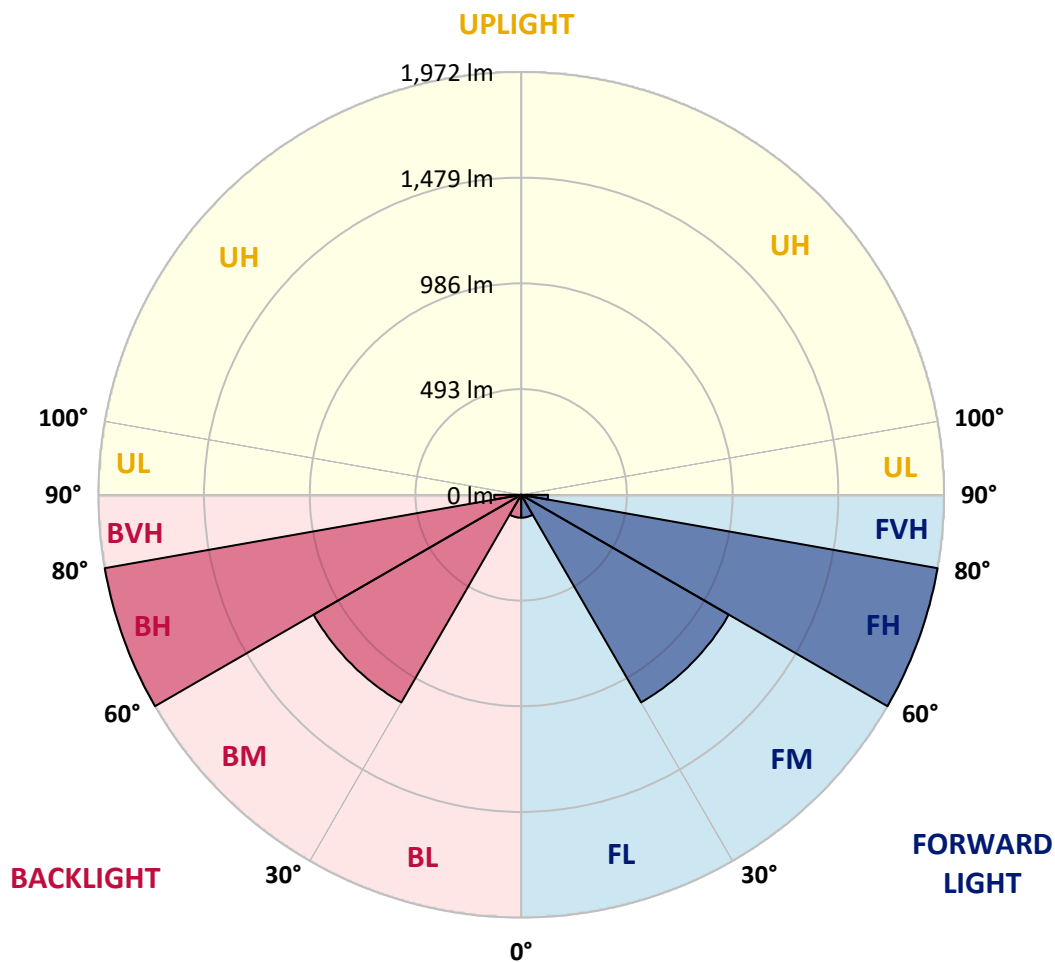
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.8	1.6			
FM (30°-60°)	1118.2	16.8			
FH (60°-80°)	1972.4	29.7			G2/5000
FVH (80°-90°)	125.6	1.9			G2/225
BL (0°-30°)	106.8	1.6	B0/110		
BM (30°-60°)	1118.2	16.8	B2/2500		
BH (60°-80°)	1972.4	29.7	B3/2500		G2/5000
BVH (80°-90°)	125.6	1.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.0	2.0	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
5°	40.9	29.3	14.3	11.6	8.2	2.7	1.4	1.4	1.4	0.7	0.7
7.5°	92.1	91.4	90.1	78.5	55.3	40.9	8.9	2.0	1.4	1.4	1.4
10°	102.3	101.7	101.0	98.9	96.2	87.3	45.7	8.9	3.4	4.1	4.1
12.5°	147.4	146.7	140.5	109.2	99.6	97.6	82.6	42.3	36.2	68.2	72.3
15°	201.3	200.6	193.8	166.5	142.6	105.1	136.5	151.5	135.1	149.4	149.4
17.5°	213.5	211.5	204.7	197.9	188.3	182.8	201.3	193.8	150.1	160.3	160.3
20°	287.2	272.9	259.3	220.4	204.0	267.4	217.0	211.5	237.4	280.4	287.9
22.5°	318.6	317.9	311.1	293.4	290.0	280.4	270.2	307.7	313.8	319.3	321.3
25°	375.2	371.2	328.8	314.5	360.2	307.0	364.3	332.9	343.9	394.3	399.8
27.5°	433.2	431.9	423.0	377.3	377.3	408.0	383.4	402.5	458.5	478.3	485.8
30°	484.4	458.5	442.1	449.6	418.2	437.3	438.7	471.4	485.1	510.3	517.2
32.5°	569.0	567.0	540.4	489.9	491.2	463.3	501.5	498.7	609.9	667.3	682.3
35°	631.1	635.9	590.8	571.1	524.7	551.9	536.3	606.5	642.7	708.2	717.7
37.5°	753.2	752.5	715.7	617.4	584.0	583.3	612.0	637.9	692.5	752.5	758.7
40°	805.8	804.4	773.7	715.7	629.7	635.9	652.2	676.1	736.8	805.1	808.5
42.5°	878.8	871.9	840.5	763.5	717.1	704.8	708.9	738.2	796.2	877.4	874.0
45°	952.4	954.5	927.2	839.2	793.5	768.2	775.7	814.6	879.4	959.9	959.3
47.5°	1041.8	1044.5	1031.6	921.7	881.5	846.7	861.0	899.9	970.9	1049.3	1048.0
50°	1152.3	1151.7	1142.8	1022.7	981.1	947.0	957.9	990.6	1065.7	1143.5	1151.7
52.5°	1264.9	1267.6	1266.3	1144.8	1099.1	1066.4	1076.6	1107.3	1180.3	1258.1	1264.9
55°	1391.8	1404.8	1403.4	1302.4	1230.8	1221.9	1228.1	1234.9	1315.4	1391.1	1392.5
57.5°	1548.7	1554.9	1567.2	1480.5	1400.0	1395.2	1383.6	1380.9	1460.0	1522.8	1513.3
60°	1711.8	1717.9	1737.7	1681.8	1593.1	1602.6	1564.4	1522.8	1598.5	1649.0	1643.6
62.5°	1868.0	1882.4	1921.2	1876.2	1794.3	1823.7	1750.7	1680.4	1750.7	1792.3	1784.1
65°	2035.9	2053.6	2099.3	2081.6	1964.9	2027.0	1949.2	1831.9	1927.4	1947.9	1949.2
67.5°	2220.8	2235.1	2289.7	2257.6	2113.0	2179.8	2115.7	1980.6	2085.7	2078.2	2070.7
70°	2363.4	2381.1	2431.6	2364.7	2220.8	2276.7	2213.3	2074.8	2196.9	2201.0	2194.8
71°	2380.4	2395.4	2452.0	2389.3	2252.1	2304.7	2230.3	2089.1	2216.0	2213.3	2205.8
72.5°	2323.8	2342.2	2409.1	2368.8	2276.7	2339.5	2229.6	2065.9	2188.7	2163.5	2153.2
75°	1968.3	1977.9	2059.7	2133.4	2188.0	2324.5	2105.5	1883.7	1965.6	1926.7	1921.9
77.5°	1196.0	1220.6	1384.3	1610.1	1873.5	2092.5	1831.9	1523.5	1491.4	1376.1	1331.1
80°	412.8	455.8	585.4	823.5	1260.1	1617.0	1291.5	931.3	696.6	524.7	485.1
82.5°	68.9	100.3	152.1	257.9	566.3	919.0	637.9	307.7	199.9	139.9	135.1
85°	23.2	27.3	58.0	71.6	132.4	253.1	148.7	85.3	73.7	47.1	43.7
87.5°	3.4	4.8	7.5	8.2	11.6	6.8	12.3	13.0	10.2	6.8	4.1
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)