

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: P695845

Luminaire Tested: **LXF.LXT-PA16-727-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6741 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

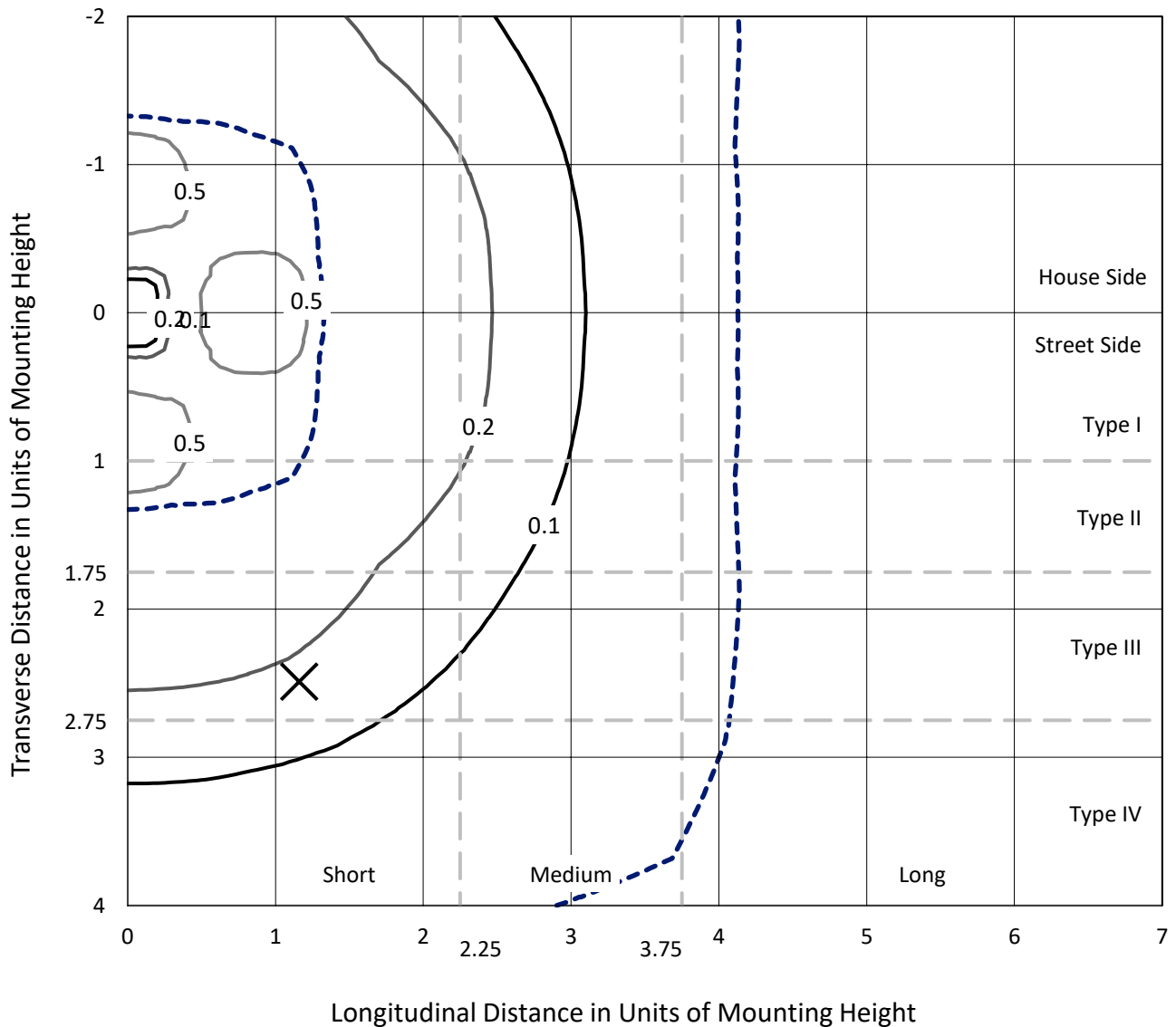
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

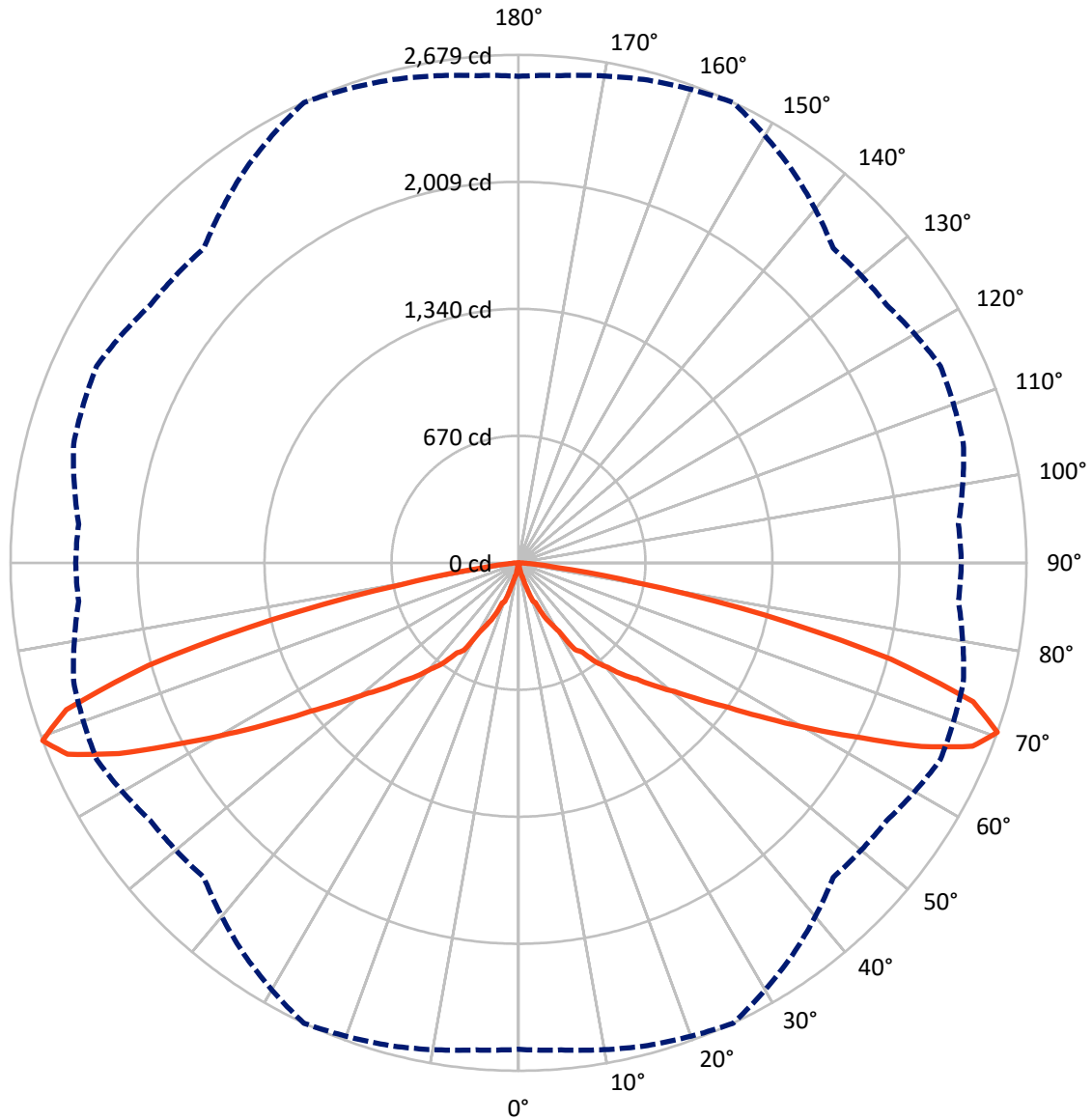
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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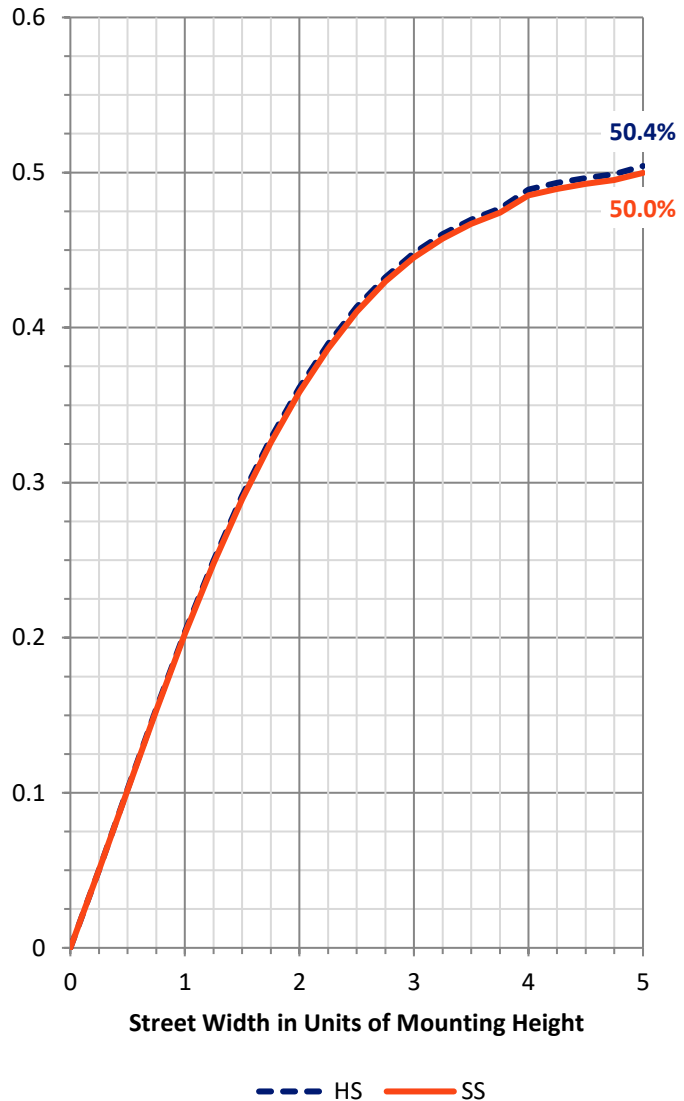
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3370.5	0.0	3370.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3370.5	0.0	3370.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6741.0	0.0	6741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	29.3	0.4
20°-30°	156.8	2.3
30°-40°	387.3	5.7
40°-50°	692.2	10.3
50°-60°	1233.2	18.3
60°-70°	2173.2	32.2
70°-80°	1889.3	28.0
80°-90°	179.6	2.7
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°	6741.0	100.0
0°-180°	6741.0	100.0

Coefficient of Utilization



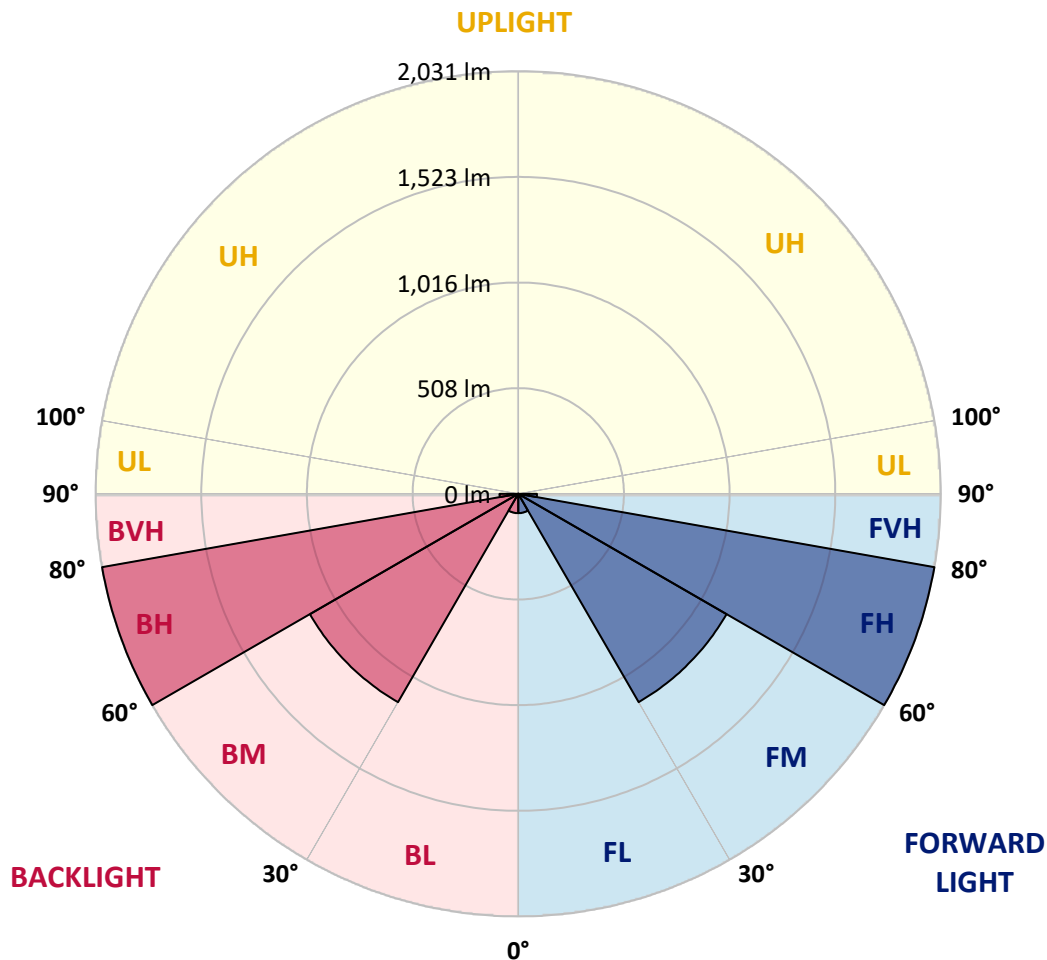
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.1	1.4			
FM (30°-60°)	1156.4	17.2			
FH (60°-80°)	2031.3	30.1			G2/5000
FVH (80°-90°)	89.8	1.3			G1/100
BL (0°-30°)	93.1	1.4	B0/110		
BM (30°-60°)	1156.4	17.2	B2/2500		
BH (60°-80°)	2031.3	30.1	B3/2500		G2/5000
BVH (80°-90°)	89.8	1.3			G1/100
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	17.4	17.4	13.0	6.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	73.9	73.9	71.7	67.4	34.8	4.3	2.2	4.3	19.6	26.1	28.2
15°	91.3	86.9	82.6	76.1	71.7	50.0	26.1	119.5	141.2	145.6	145.6
17.5°	215.1	213.0	199.9	134.7	80.4	82.6	158.6	145.6	149.9	154.3	154.3
20°	230.3	230.3	223.8	217.3	149.9	169.5	182.5	156.5	193.4	271.6	271.6
22.5°	310.7	304.2	249.9	228.2	260.8	226.0	199.9	278.1	306.4	312.9	315.1
25°	391.1	391.1	380.3	310.7	284.7	271.6	295.5	330.3	328.1	347.7	354.2
27.5°	423.7	421.6	399.8	365.1	373.8	347.7	358.6	373.8	462.9	482.4	484.6
30°	573.7	573.7	560.6	419.4	399.8	397.7	412.9	462.9	491.1	506.3	512.8
32.5°	601.9	599.8	588.9	545.4	454.2	443.3	482.4	488.9	647.6	680.2	682.3
35°	710.6	712.8	684.5	578.0	562.8	506.3	515.0	623.7	686.7	712.8	714.9
37.5°	764.9	762.7	749.7	664.9	593.2	551.9	597.6	664.9	730.1	764.9	767.1
40°	825.8	825.8	808.4	725.8	662.8	593.2	647.6	721.4	799.7	825.8	827.9
42.5°	888.8	893.1	875.7	806.2	721.4	641.0	706.2	788.8	880.1	893.1	897.5
45°	988.7	982.2	962.7	875.7	784.5	699.7	769.3	873.6	969.2	986.6	990.9
47.5°	1090.9	1084.3	1060.4	971.3	869.2	773.6	851.8	977.9	1073.5	1086.5	1097.4
50°	1193.0	1184.3	1177.8	1067.0	971.3	871.4	949.6	1086.5	1177.8	1190.8	1193.0
52.5°	1306.0	1303.8	1301.6	1197.3	1099.6	984.4	1071.3	1206.0	1303.8	1306.0	1308.2
55°	1447.2	1445.1	1449.4	1347.3	1269.1	1147.4	1225.6	1360.3	1449.4	1438.5	1438.5
57.5°	1610.2	1603.7	1614.6	1547.2	1477.7	1329.9	1412.5	1527.6	1608.0	1586.3	1588.5
60°	1803.6	1810.1	1831.9	1777.5	1699.3	1553.7	1645.0	1714.5	1799.3	1771.0	1771.0
62.5°	2057.9	2053.5	2077.4	2034.0	1934.0	1803.6	1894.9	1936.2	2034.0	2003.5	2003.5
65°	2320.8	2333.8	2346.9	2336.0	2188.2	2029.6	2129.6	2218.7	2260.0	2214.3	2212.1
67.5°	2549.0	2540.3	2585.9	2583.7	2399.0	2212.1	2301.2	2414.2	2431.6	2359.9	2362.1
70°	2566.3	2579.4	2635.9	2679.3	2522.9	2346.9	2370.8	2455.5	2429.4	2329.5	2336.0
72.5°	2327.3	2342.5	2396.9	2507.7	2472.9	2403.4	2307.8	2273.0	2192.6	2114.4	2125.2
75°	1710.2	1723.2	1849.2	2027.4	2160.0	2223.0	2053.5	1914.4	1825.3	1747.1	1764.5
77.5°	925.7	951.8	1103.9	1329.9	1618.9	1753.6	1608.0	1375.5	1134.3	1025.7	993.1
80°	354.2	345.5	441.1	634.5	919.2	1114.8	986.6	688.9	434.6	321.6	330.3
82.5°	91.3	100.0	141.2	193.4	375.9	582.4	439.0	215.1	136.9	110.8	93.4
85°	28.2	28.2	45.6	56.5	108.7	171.7	89.1	58.7	47.8	28.2	23.9
87.5°	6.5	8.7	13.0	15.2	17.4	10.9	10.9	6.5	2.2	2.2	0.0
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)