

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: P695215

Luminaire Tested: **LXF.LXT-PA16-40-827-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695215
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-PA16-40-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3822 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

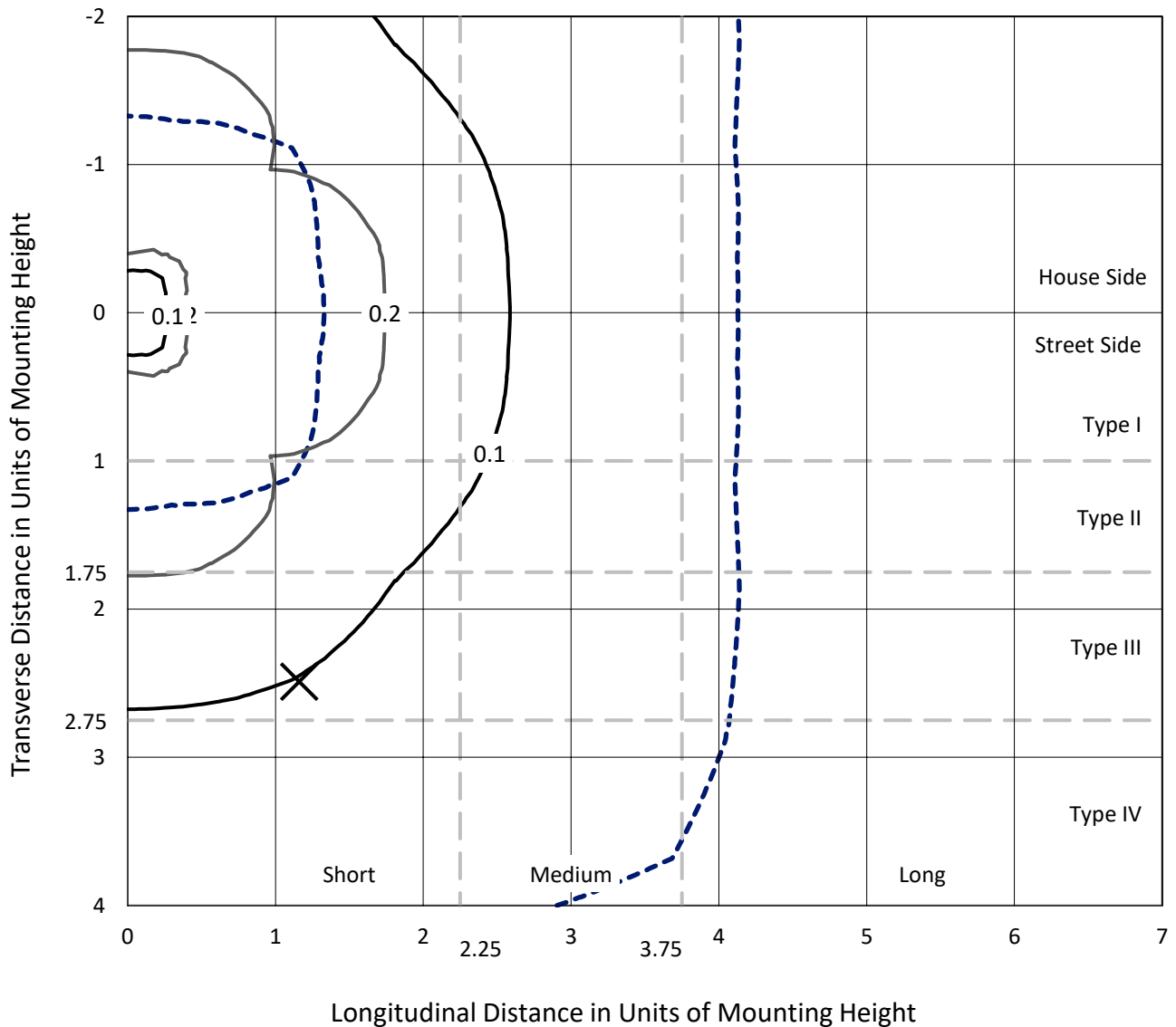
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

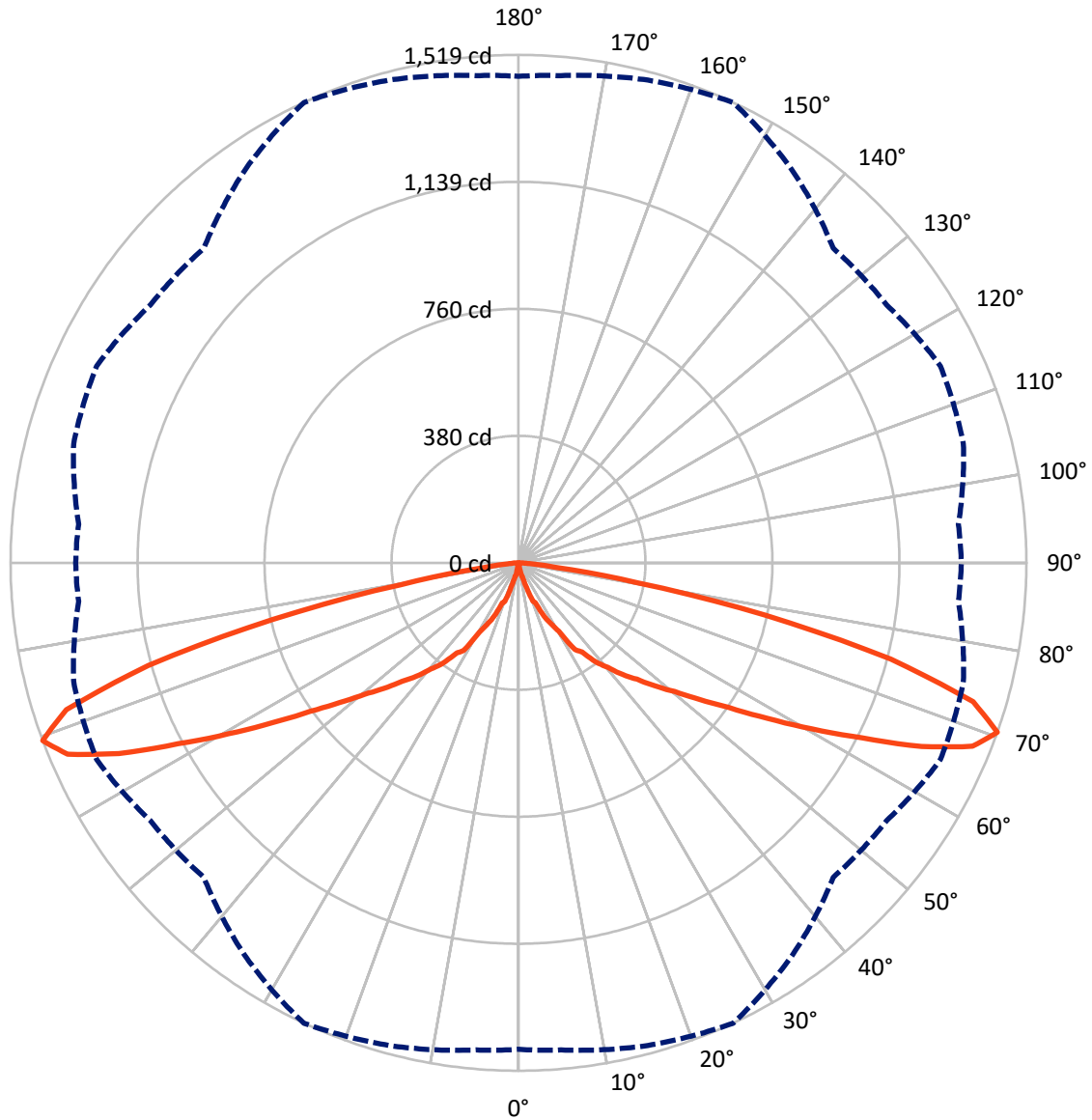
× Max cd
 - - - 1/2 Max cd



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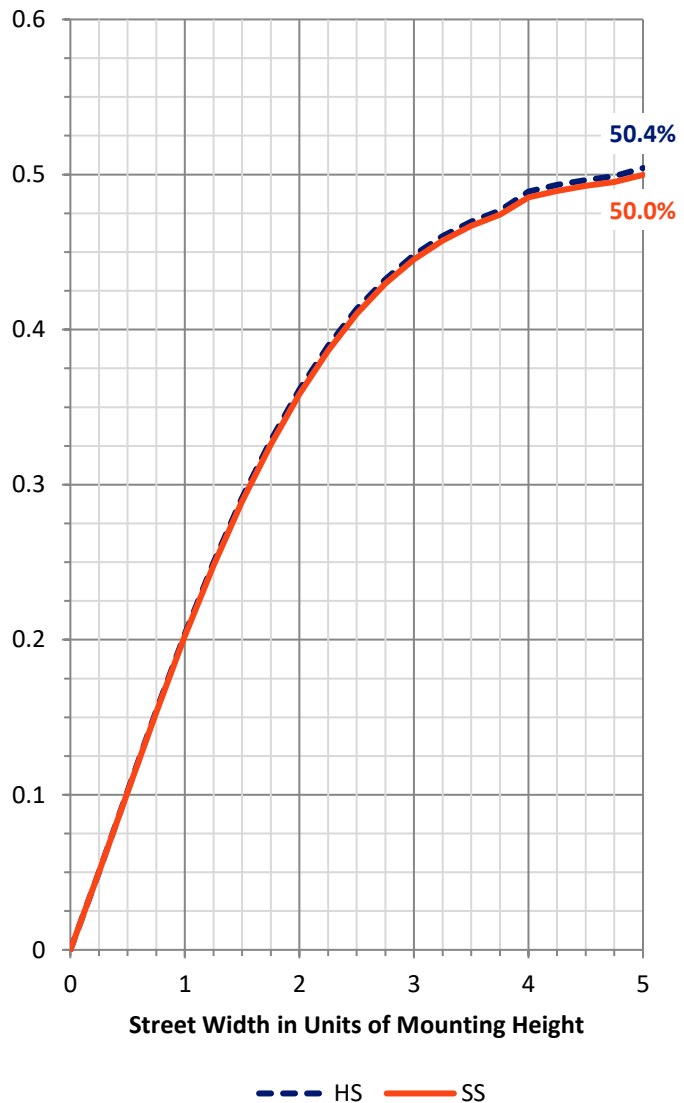
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1911.0	0.0	1911.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1911.0	0.0	1911.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3822.0	0.0	3822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	16.6	0.4
20°-30°	88.9	2.3
30°-40°	219.6	5.7
40°-50°	392.5	10.3
50°-60°	699.2	18.3
60°-70°	1232.2	32.2
70°-80°	1071.2	28.0
80°-90°	101.8	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°	3822.0	100.0
0°-180°	3822.0	100.0

Coefficient of Utilization



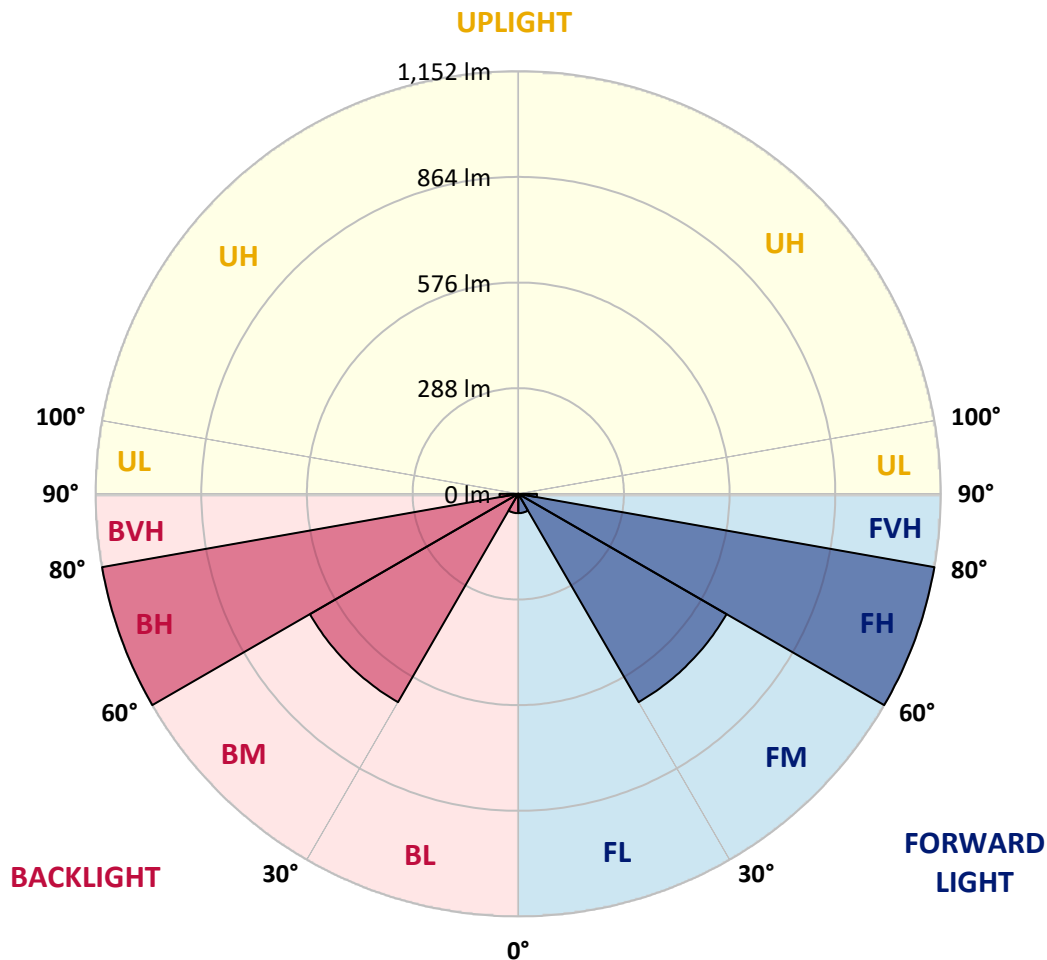
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.8	1.4			
FM (30°-60°)	655.6	17.2			
FH (60°-80°)	1151.7	30.1			G1/1800
FVH (80°-90°)	50.9	1.3			G1/100
BL (0°-30°)	52.8	1.4	B0/110		
BM (30°-60°)	655.6	17.2	B1/1000		
BH (60°-80°)	1151.7	30.1	B3/2500		G1/1800
BVH (80°-90°)	50.9	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-G1

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°	9.9	9.9	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	41.9	41.9	40.7	38.2	19.7	2.5	1.2	2.5	11.1	14.8	16.0
15°	51.7	49.3	46.8	43.1	40.7	28.3	14.8	67.8	80.1	82.5	82.5
17.5°	122.0	120.7	113.3	76.4	45.6	46.8	89.9	82.5	85.0	87.5	87.5
20°	130.6	130.6	126.9	123.2	85.0	96.1	103.5	88.7	109.7	154.0	154.0
22.5°	176.2	172.5	141.7	129.4	147.8	128.1	113.3	157.7	173.7	177.4	178.6
25°	221.8	221.8	215.6	176.2	161.4	154.0	167.6	187.3	186.0	197.1	200.8
27.5°	240.3	239.0	226.7	207.0	211.9	197.1	203.3	211.9	262.4	273.5	274.7
30°	325.3	325.3	317.9	237.8	226.7	225.5	234.1	262.4	278.4	287.1	290.8
32.5°	341.3	340.0	333.9	309.2	257.5	251.3	273.5	277.2	367.2	385.6	386.9
35°	402.9	404.1	388.1	327.7	319.1	287.1	292.0	353.6	389.3	404.1	405.3
37.5°	433.7	432.5	425.1	377.0	336.4	312.9	338.8	377.0	414.0	433.7	434.9
40°	468.2	468.2	458.3	411.5	375.8	336.4	367.2	409.0	453.4	468.2	469.4
42.5°	503.9	506.4	496.5	457.1	409.0	363.5	400.4	447.2	499.0	506.4	508.8
45°	560.6	556.9	545.8	496.5	444.8	396.7	436.1	495.3	549.5	559.4	561.8
47.5°	618.5	614.8	601.2	550.7	492.8	438.6	483.0	554.4	608.6	616.0	622.2
50°	676.4	671.5	667.8	604.9	550.7	494.1	538.4	616.0	667.8	675.2	676.4
52.5°	740.5	739.2	738.0	678.9	623.4	558.1	607.4	683.8	739.2	740.5	741.7
55°	820.6	819.3	821.8	763.9	719.5	650.5	694.9	771.3	821.8	815.6	815.6
57.5°	913.0	909.3	915.4	877.2	837.8	754.0	800.8	866.1	911.7	899.4	900.6
60°	1022.6	1026.3	1038.6	1007.8	963.5	880.9	932.7	972.1	1020.1	1004.1	1004.1
62.5°	1166.8	1164.3	1177.9	1153.2	1096.5	1022.6	1074.4	1097.8	1153.2	1136.0	1136.0
65°	1315.8	1323.2	1330.6	1324.5	1240.7	1150.7	1207.4	1257.9	1281.3	1255.5	1254.2
67.5°	1445.2	1440.3	1466.2	1464.9	1360.2	1254.2	1304.8	1368.8	1378.7	1338.0	1339.3
70°	1455.1	1462.5	1494.5	1519.1	1430.4	1330.6	1344.2	1392.2	1377.4	1320.8	1324.5
72.5°	1319.5	1328.2	1359.0	1421.8	1402.1	1362.7	1308.4	1288.7	1243.1	1198.8	1205.0
75°	969.6	977.0	1048.5	1149.5	1224.7	1260.4	1164.3	1085.4	1034.9	990.6	1000.4
77.5°	524.9	539.6	625.9	754.0	917.9	994.3	911.7	779.9	643.1	581.5	563.1
80°	200.8	195.9	250.1	359.8	521.2	632.0	559.4	390.6	246.4	182.3	187.3
82.5°	51.7	56.7	80.1	109.7	213.1	330.2	248.9	122.0	77.6	62.8	53.0
85°	16.0	16.0	25.9	32.0	61.6	97.3	50.5	33.3	27.1	16.0	13.6
87.5°	3.7	4.9	7.4	8.6	9.9	6.2	6.2	3.7	1.2	1.2	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)