

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: P695485

Luminaire Tested: **LXF.LXT-PA16-50-827-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695485
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-PA16-50-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4811 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

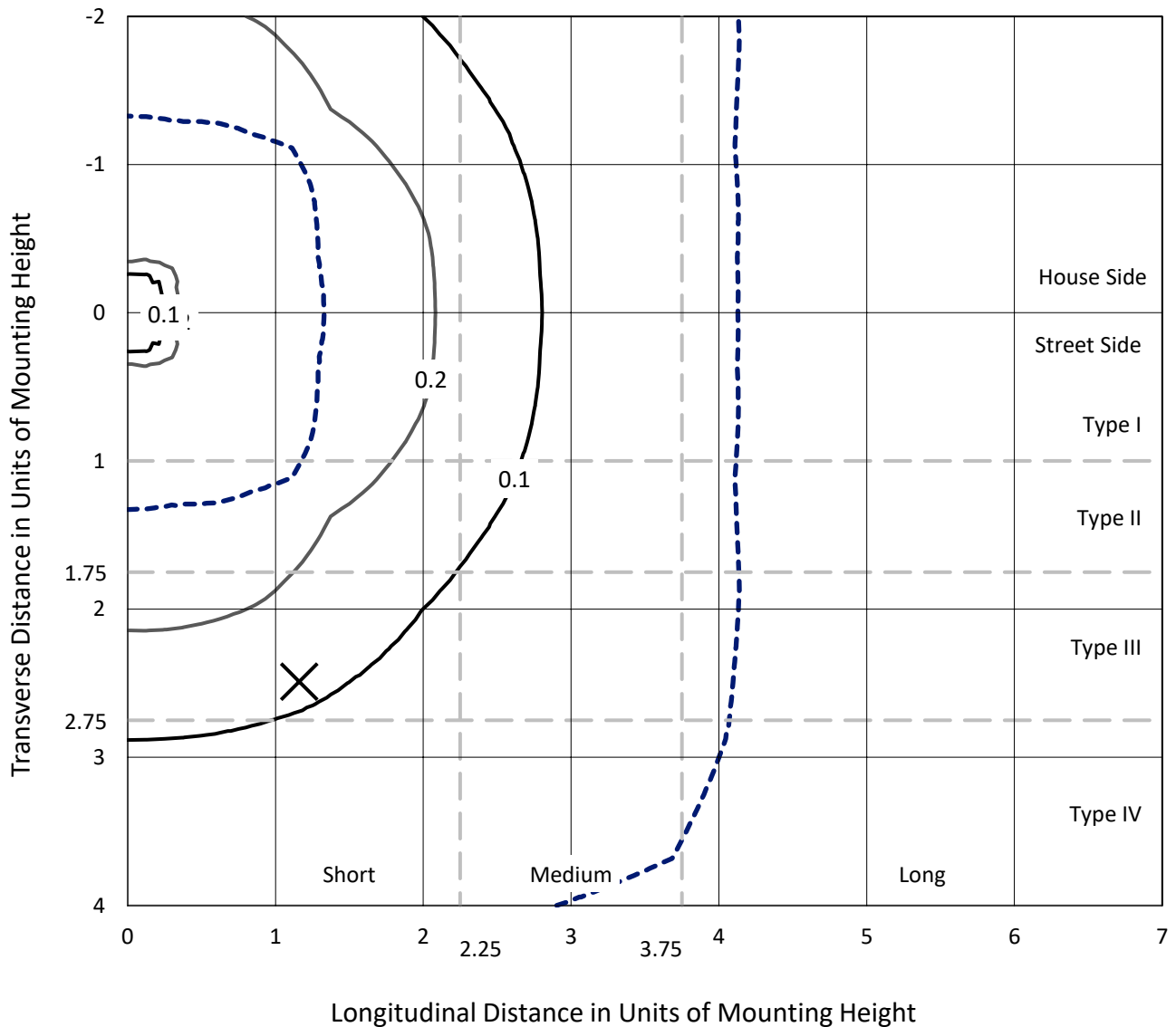
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

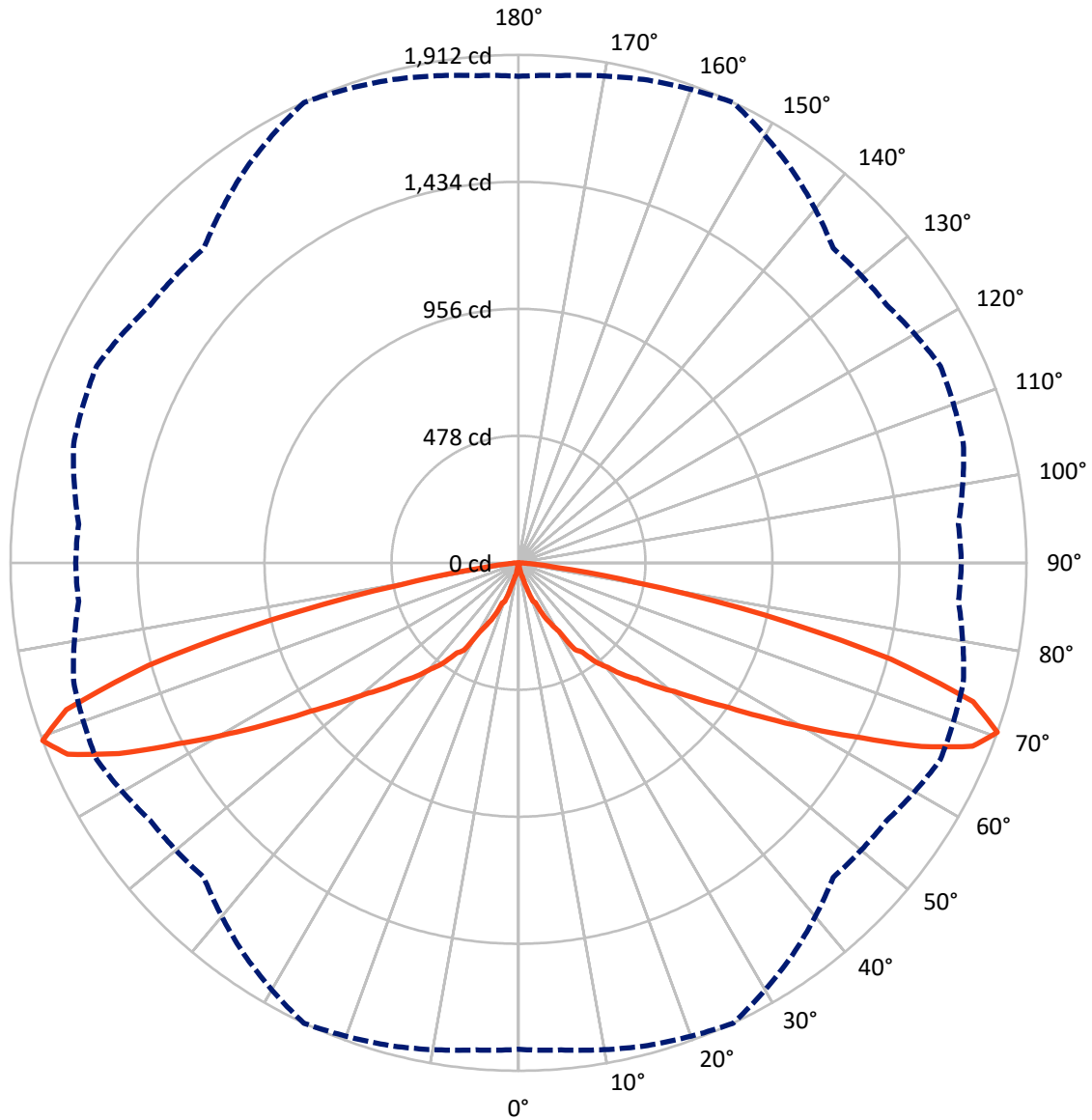
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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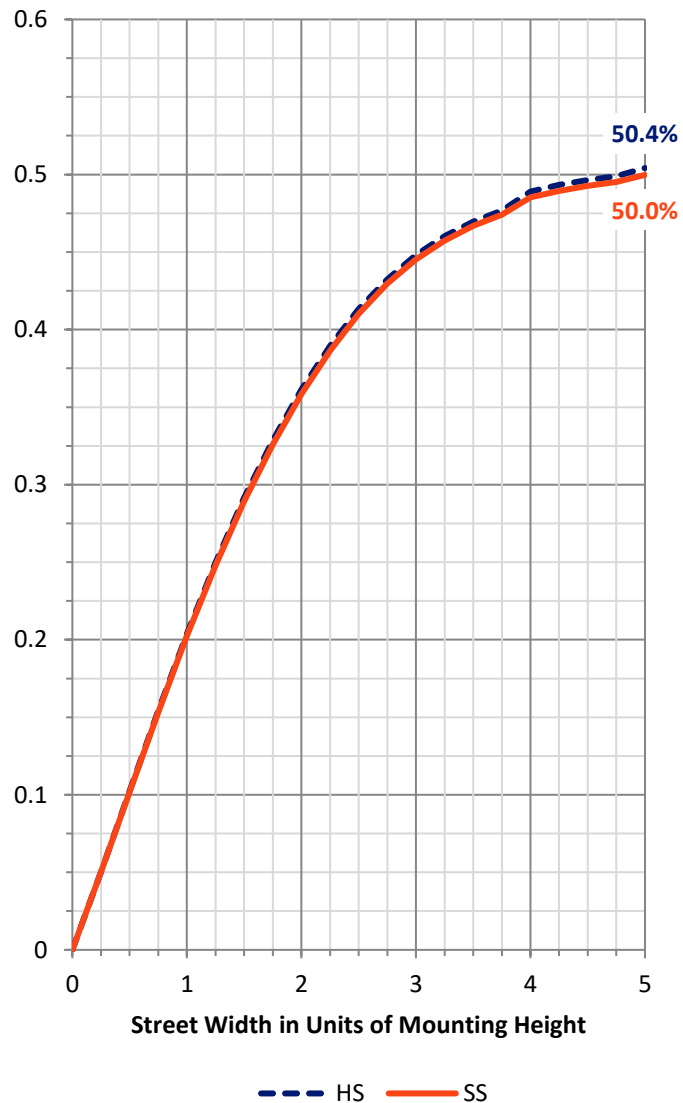
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2405.5	0.0	2405.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2405.5	0.0	2405.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4811.0	0.0	4811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.9	0.4
20°-30°	111.9	2.3
30°-40°	276.4	5.7
40°-50°	494.0	10.3
50°-60°	880.1	18.3
60°-70°	1551.0	32.2
70°-80°	1348.4	28.0
80°-90°	128.2	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°	4811.0	100.0
0°-180°	4811.0	100.0

Coefficient of Utilization



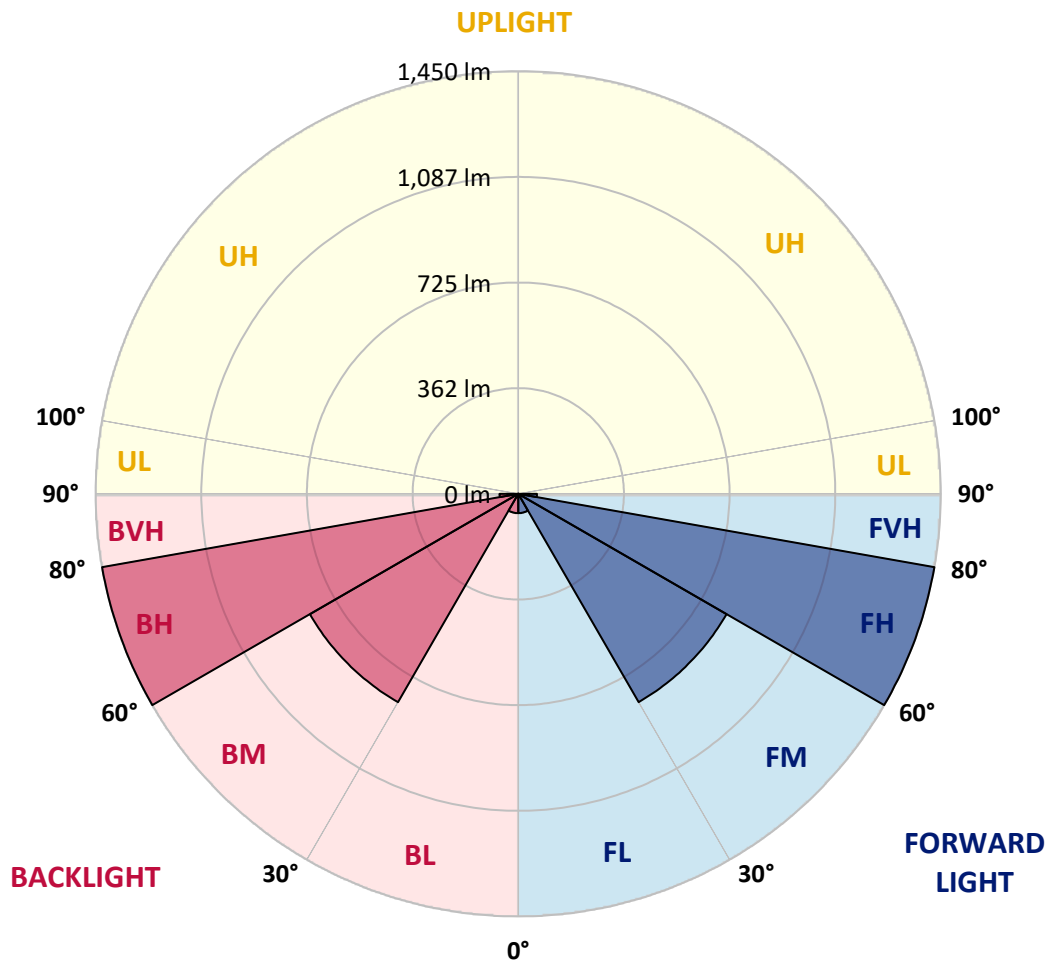
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.4	1.4			
FM (30°-60°)	825.3	17.2			
FH (60°-80°)	1449.7	30.1			G1/1800
FVH (80°-90°)	64.1	1.3			G1/100
BL (0°-30°)	66.4	1.4	B0/110		
BM (30°-60°)	825.3	17.2	B1/1000		
BH (60°-80°)	1449.7	30.1	B3/2500		G1/1800
BVH (80°-90°)	64.1	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°	12.4	12.4	9.3	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	52.7	52.7	51.2	48.1	24.8	3.1	1.6	3.1	14.0	18.6	20.2
15°	65.1	62.0	58.9	54.3	51.2	35.7	18.6	85.3	100.8	103.9	103.9
17.5°	153.5	152.0	142.7	96.2	57.4	58.9	113.2	103.9	107.0	110.1	110.1
20°	164.4	164.4	159.7	155.1	107.0	121.0	130.3	111.7	138.0	193.9	193.9
22.5°	221.8	217.1	178.4	162.8	186.1	161.3	142.7	198.5	218.7	223.3	224.9
25°	279.2	279.2	271.4	221.8	203.2	193.9	210.9	235.7	234.2	248.1	252.8
27.5°	302.4	300.9	285.4	260.5	266.8	248.1	255.9	266.8	330.3	344.3	345.8
30°	409.4	409.4	400.1	299.3	285.4	283.8	294.7	330.3	350.5	361.4	366.0
32.5°	429.6	428.0	420.3	389.3	324.1	316.4	344.3	348.9	462.2	485.4	487.0
35°	507.1	508.7	488.5	412.5	401.7	361.4	367.6	445.1	490.1	508.7	510.2
37.5°	545.9	544.4	535.1	474.6	423.4	393.9	426.5	474.6	521.1	545.9	547.5
40°	589.3	589.3	576.9	518.0	473.0	423.4	462.2	514.9	570.7	589.3	590.9
42.5°	634.3	637.4	625.0	575.4	514.9	457.5	504.0	563.0	628.1	637.4	640.5
45°	705.6	701.0	687.0	625.0	559.9	499.4	549.0	623.5	691.7	704.1	707.2
47.5°	778.5	773.9	756.8	693.2	620.4	552.1	607.9	697.9	766.1	775.4	783.2
50°	851.4	845.2	840.6	761.5	693.2	621.9	677.7	775.4	840.6	849.9	851.4
52.5°	932.1	930.5	929.0	854.5	784.7	702.5	764.6	860.7	930.5	932.1	933.6
55°	1032.9	1031.3	1034.4	961.5	905.7	818.9	874.7	970.8	1034.4	1026.7	1026.7
57.5°	1149.2	1144.5	1152.3	1104.2	1054.6	949.1	1008.1	1090.3	1147.6	1132.1	1133.7
60°	1287.2	1291.9	1307.4	1268.6	1212.8	1108.9	1174.0	1223.6	1284.1	1264.0	1264.0
62.5°	1468.7	1465.6	1482.6	1451.6	1380.3	1287.2	1352.4	1381.8	1451.6	1429.9	1429.9
65°	1656.3	1665.6	1674.9	1667.2	1561.7	1448.5	1519.9	1583.4	1612.9	1580.3	1578.8
67.5°	1819.2	1813.0	1845.5	1844.0	1712.2	1578.8	1642.4	1723.0	1735.4	1684.3	1685.8
70°	1831.6	1840.9	1881.2	1912.2	1800.6	1674.9	1692.0	1752.5	1733.9	1662.5	1667.2
72.5°	1661.0	1671.8	1710.6	1789.7	1764.9	1715.3	1647.0	1622.2	1564.8	1509.0	1516.8
75°	1220.5	1229.8	1319.8	1447.0	1541.6	1586.5	1465.6	1366.3	1302.7	1246.9	1259.3
77.5°	660.7	679.3	787.8	949.1	1155.4	1251.6	1147.6	981.7	809.6	732.0	708.8
80°	252.8	246.6	314.8	452.9	656.0	795.6	704.1	491.6	310.2	229.5	235.7
82.5°	65.1	71.3	100.8	138.0	268.3	415.6	313.3	153.5	97.7	79.1	66.7
85°	20.2	20.2	32.6	40.3	77.5	122.5	63.6	41.9	34.1	20.2	17.1
87.5°	4.7	6.2	9.3	10.9	12.4	7.8	7.8	4.7	1.6	1.6	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)