

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: P695335

Luminaire Tested: **LXF.LXT-PA16-50-730-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695335
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-PA16-50-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829 lumens
Efficiency: N/A
Efficacy: 109.8 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

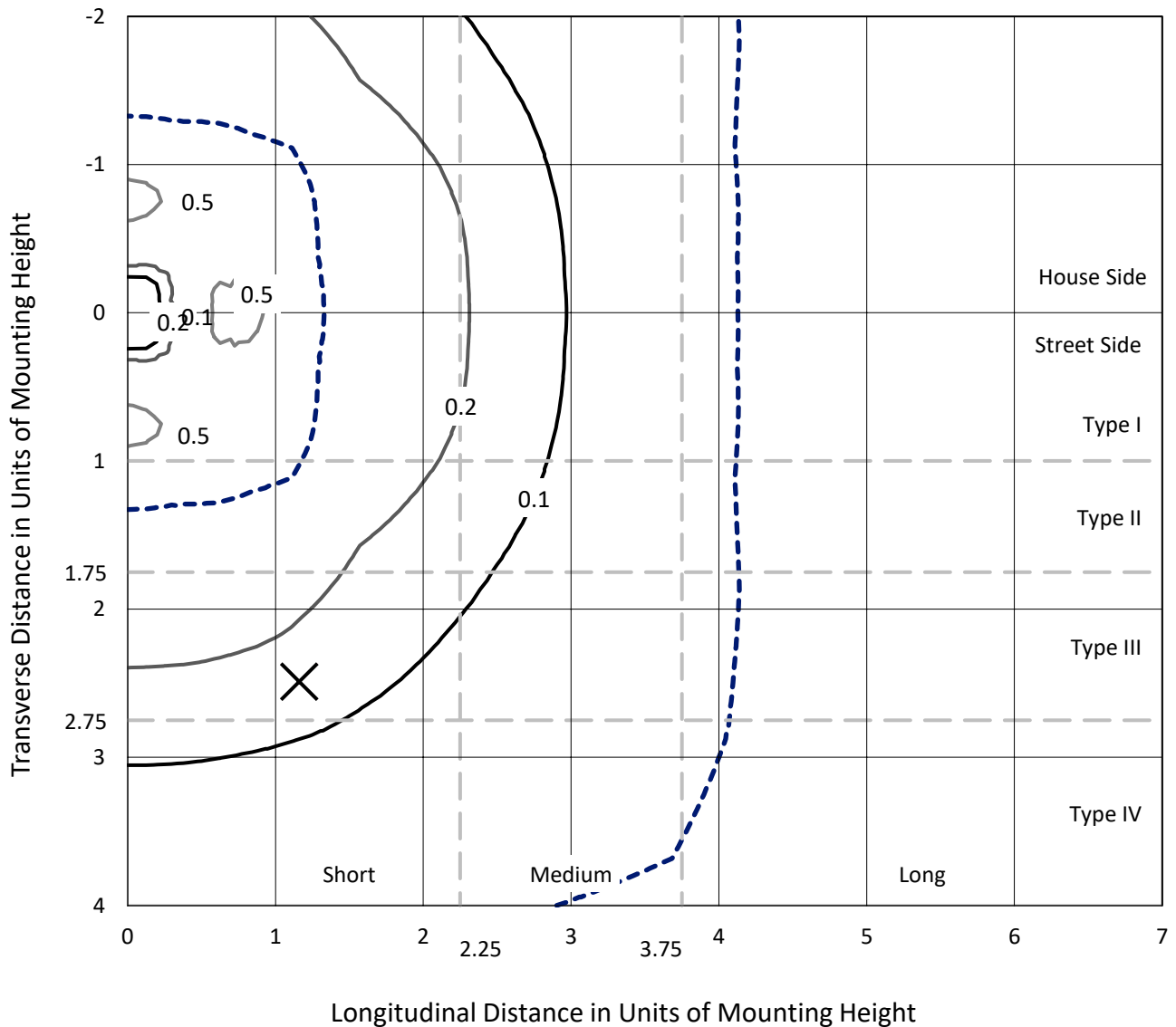
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

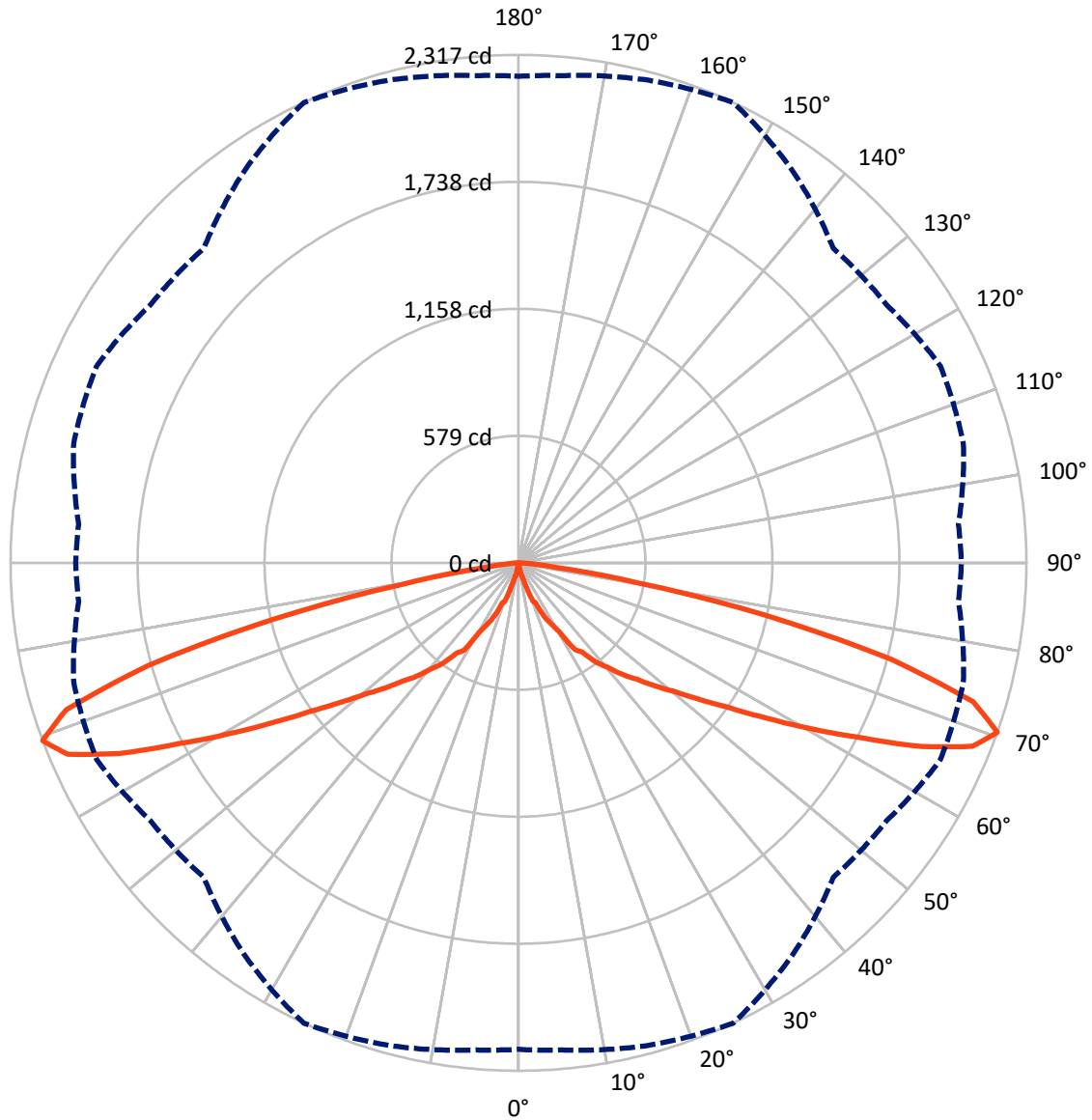
✕ Max cd
 - - - 1/2 Max cd



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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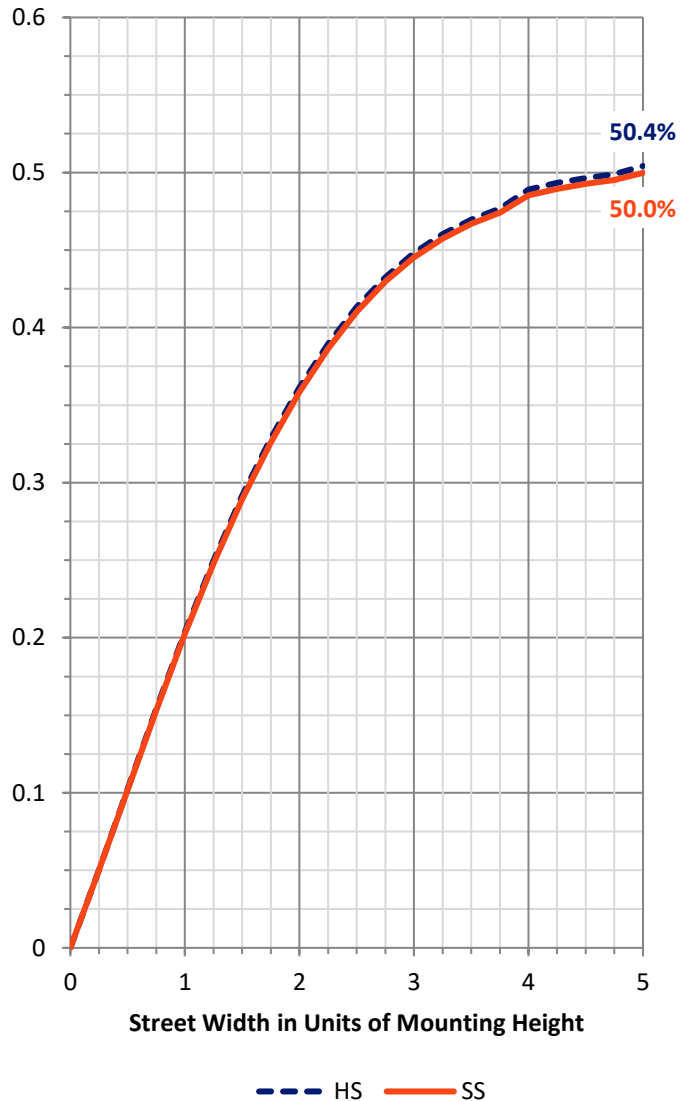
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2914.5	0.0	2914.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2914.5	0.0	2914.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5829.0	0.0	5829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	25.3	0.4
20°-30°	135.5	2.3
30°-40°	334.9	5.7
40°-50°	598.6	10.3
50°-60°	1066.3	18.3
60°-70°	1879.2	32.2
70°-80°	1633.7	28.0
80°-90°	155.3	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°	5829.0	100.0
0°-180°	5829.0	100.0

Coefficient of Utilization



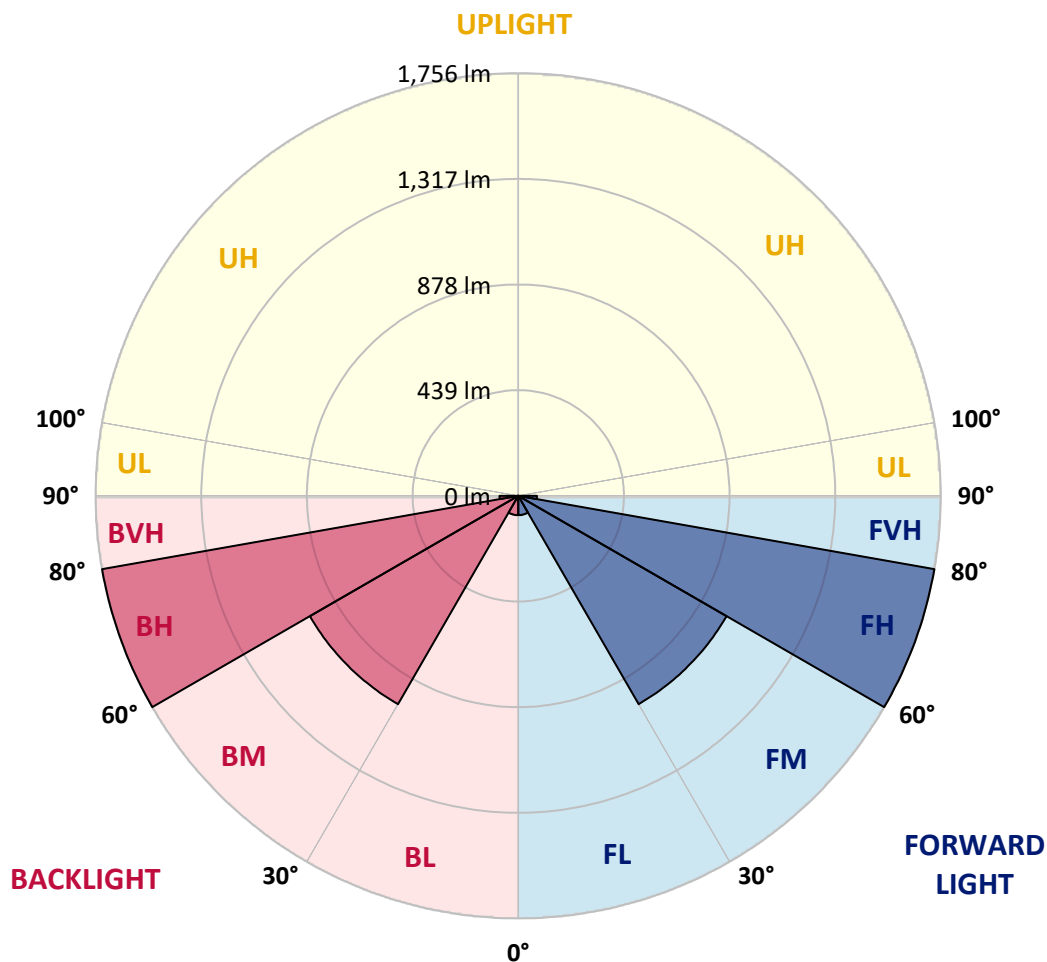
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	80.5	1.4			
FM (30°-60°)	999.9	17.2			
FH (60°-80°)	1756.5	30.1			G1/1800
FVH (80°-90°)	77.6	1.3			G1/100
BL (0°-30°)	80.5	1.4	B0/110		
BM (30°-60°)	999.9	17.2	B1/1000		
BH (60°-80°)	1756.5	30.1	B3/2500		G1/1800
BVH (80°-90°)	77.6	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°	15.0	15.0	11.3	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	63.9	63.9	62.0	58.3	30.1	3.8	1.9	3.8	16.9	22.5	24.4
15°	78.9	75.2	71.4	65.8	62.0	43.2	22.5	103.3	122.1	125.9	125.9
17.5°	186.0	184.1	172.9	116.5	69.5	71.4	137.2	125.9	129.7	133.4	133.4
20°	199.2	199.2	193.5	187.9	129.7	146.6	157.8	135.3	167.2	234.9	234.9
22.5°	268.7	263.1	216.1	197.3	225.5	195.4	172.9	240.5	264.9	270.6	272.5
25°	338.2	338.2	328.8	268.7	246.2	234.9	255.5	285.6	283.7	300.6	306.3
27.5°	366.4	364.5	345.7	315.7	323.2	300.6	310.0	323.2	400.2	417.1	419.0
30°	496.1	496.1	484.8	362.7	345.7	343.9	357.0	400.2	424.7	437.8	443.5
32.5°	520.5	518.6	509.2	471.6	392.7	383.3	417.1	422.8	560.0	588.1	590.0
35°	614.4	616.3	591.9	499.8	486.7	437.8	445.3	539.3	593.8	616.3	618.2
37.5°	661.4	659.5	648.3	575.0	513.0	477.3	516.7	575.0	631.4	661.4	663.3
40°	714.0	714.0	699.0	627.6	573.1	513.0	560.0	623.8	691.5	714.0	715.9
42.5°	768.5	772.3	757.3	697.1	623.8	554.3	610.7	682.1	761.0	772.3	776.0
45°	855.0	849.3	832.4	757.3	678.3	605.1	665.2	755.4	838.1	853.1	856.8
47.5°	943.3	937.6	917.0	839.9	751.6	668.9	736.6	845.6	928.2	939.5	948.9
50°	1031.6	1024.1	1018.4	922.6	839.9	753.5	821.1	939.5	1018.4	1029.7	1031.6
52.5°	1129.3	1127.4	1125.5	1035.4	950.8	851.2	926.4	1042.9	1127.4	1129.3	1131.2
55°	1251.4	1249.6	1253.3	1165.0	1097.4	992.1	1059.8	1176.3	1253.3	1243.9	1243.9
57.5°	1392.4	1386.7	1396.1	1337.9	1277.7	1150.0	1221.4	1321.0	1390.5	1371.7	1373.6
60°	1559.6	1565.2	1584.0	1537.1	1469.4	1343.5	1422.4	1482.6	1555.8	1531.4	1531.4
62.5°	1779.4	1775.7	1796.4	1758.8	1672.3	1559.6	1638.5	1674.2	1758.8	1732.5	1732.5
65°	2006.8	2018.1	2029.4	2020.0	1892.2	1755.0	1841.5	1918.5	1954.2	1914.7	1912.9
67.5°	2204.1	2196.6	2236.1	2234.2	2074.5	1912.9	1989.9	2087.6	2102.6	2040.6	2042.5
70°	2219.1	2230.4	2279.3	2316.9	2181.6	2029.4	2050.0	2123.3	2100.8	2014.3	2020.0
72.5°	2012.4	2025.6	2072.6	2168.4	2138.3	2078.2	1995.5	1965.5	1895.9	1828.3	1837.7
75°	1478.8	1490.1	1599.1	1753.1	1867.8	1922.3	1775.7	1655.4	1578.4	1510.7	1525.8
77.5°	800.5	823.0	954.6	1150.0	1399.9	1516.4	1390.5	1189.4	980.9	886.9	858.7
80°	306.3	298.8	381.4	548.7	794.8	963.9	853.1	595.7	375.8	278.1	285.6
82.5°	78.9	86.4	122.1	167.2	325.1	503.6	379.6	186.0	118.4	95.8	80.8
85°	24.4	24.4	39.5	48.9	94.0	148.4	77.0	50.7	41.3	24.4	20.7
87.5°	5.6	7.5	11.3	13.2	15.0	9.4	9.4	5.6	1.9	1.9	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)