

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: P695575

Luminaire Tested: **LXF.LXT-PA16-60-727-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695575
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-PA16-60-727-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6070 lumens
Efficiency: N/A
Efficacy: 97.9 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

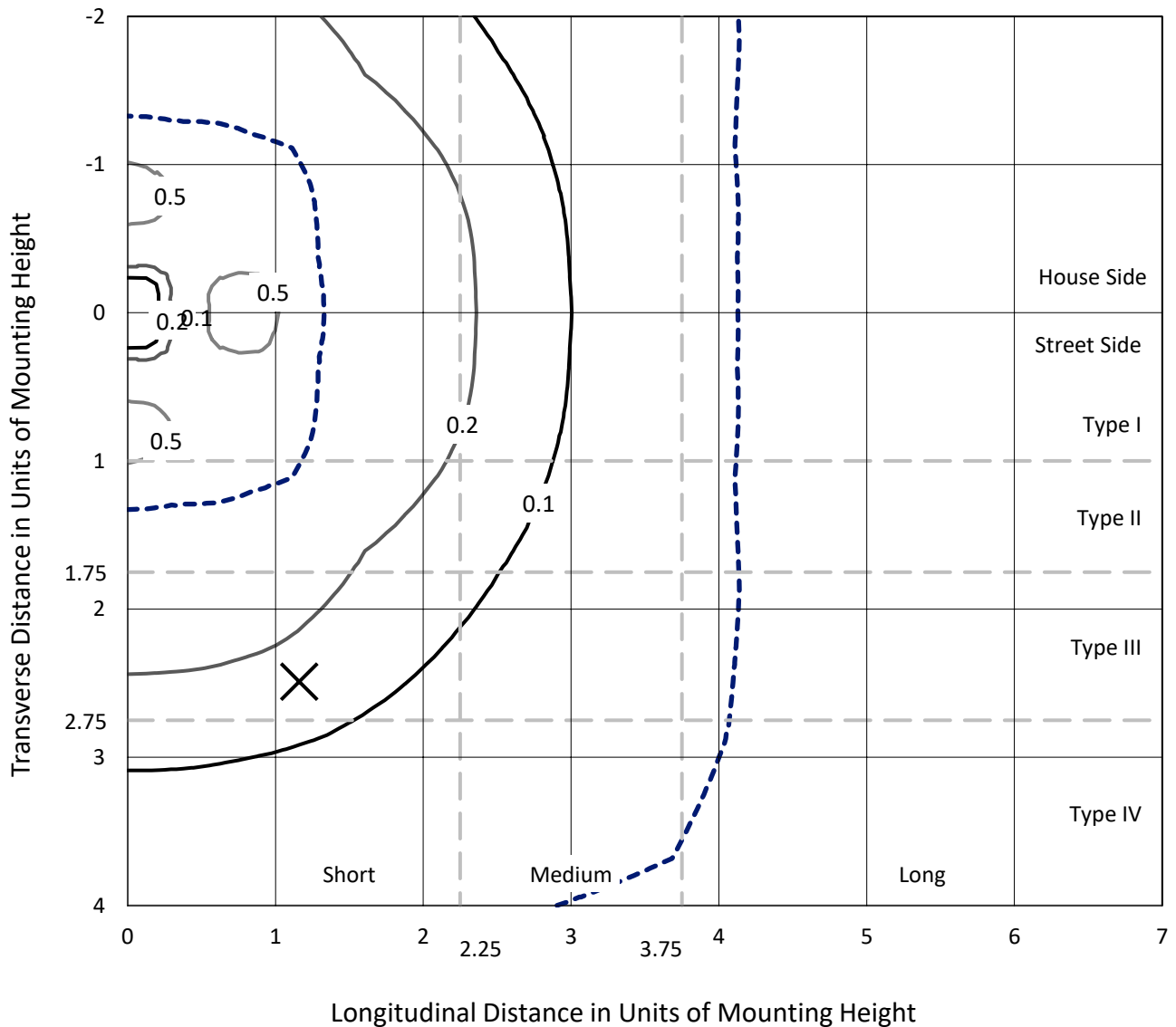
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

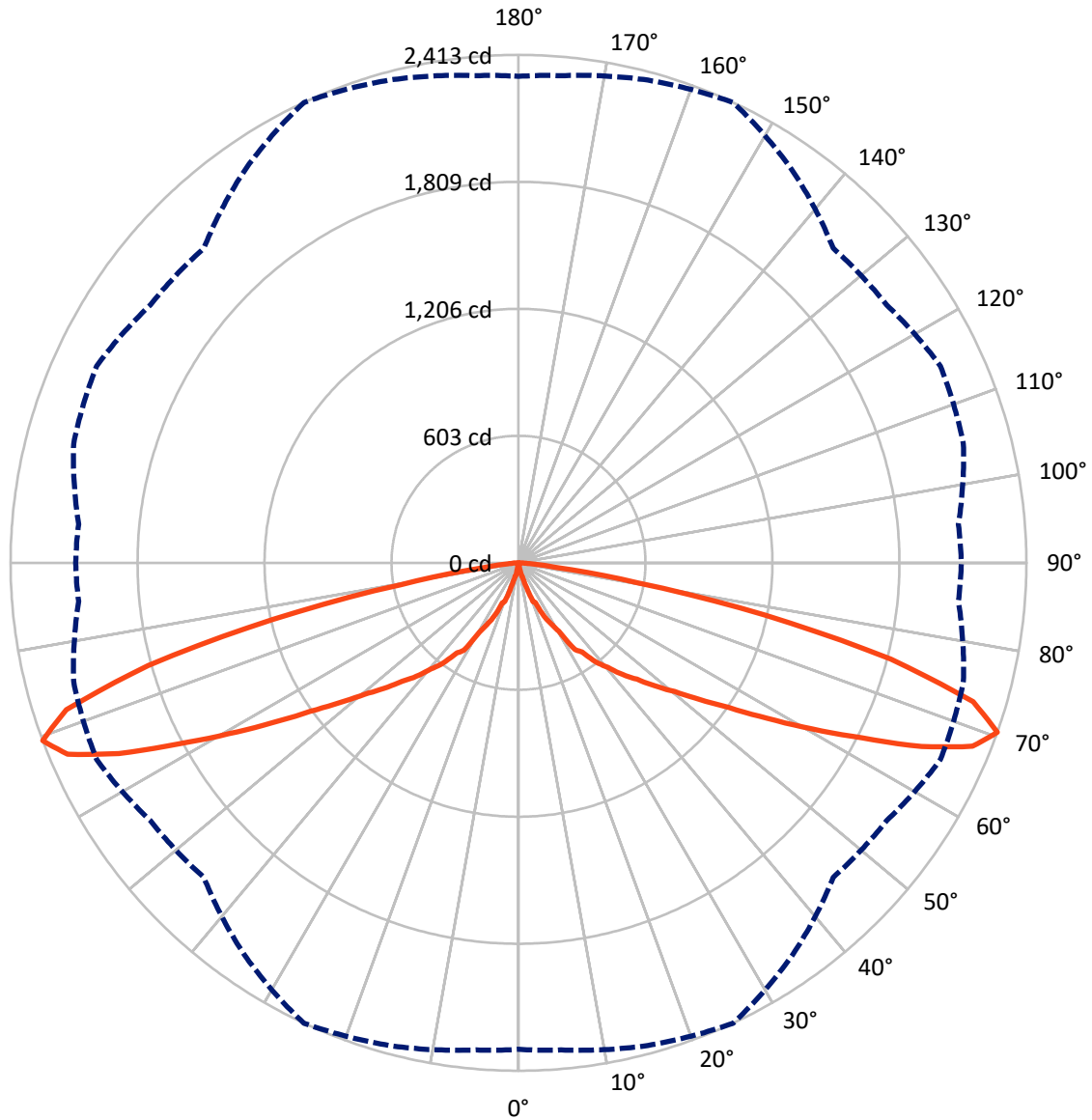
✕ Max cd
 - - - 1/2 Max cd



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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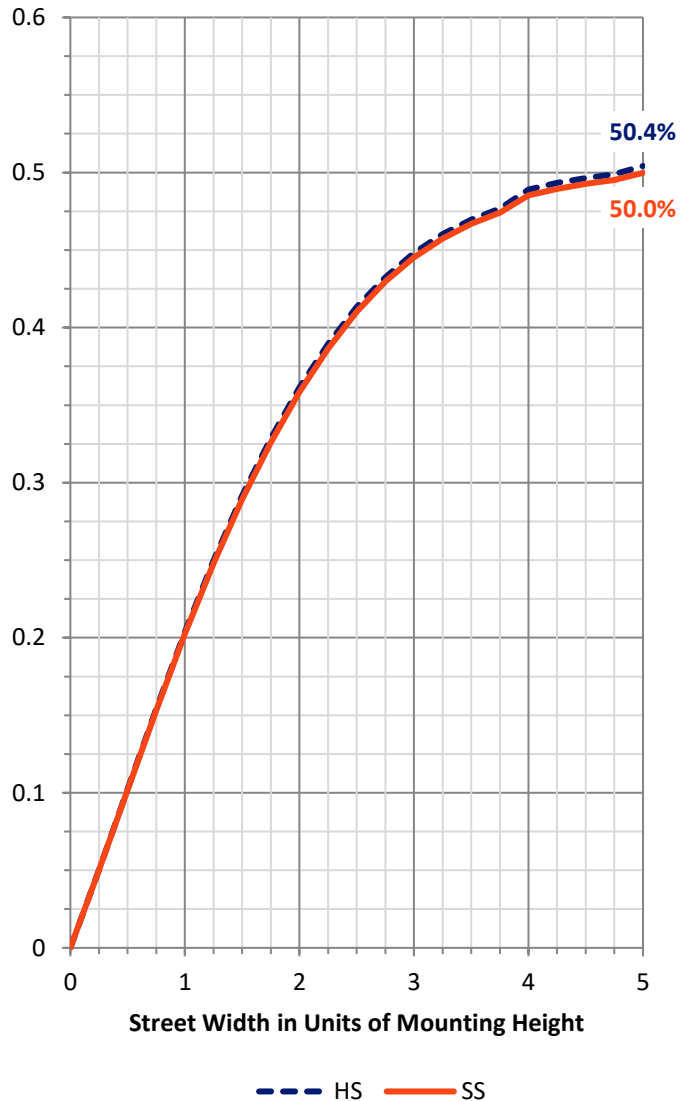
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3035.0	0.0	3035.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3035.0	0.0	3035.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6070.0	0.0	6070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.4	0.4
20°-30°	141.2	2.3
30°-40°	348.8	5.7
40°-50°	623.3	10.3
50°-60°	1110.4	18.3
60°-70°	1956.9	32.2
70°-80°	1701.3	28.0
80°-90°	161.7	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°	6070.0	100.0
0°-180°	6070.0	100.0

Coefficient of Utilization



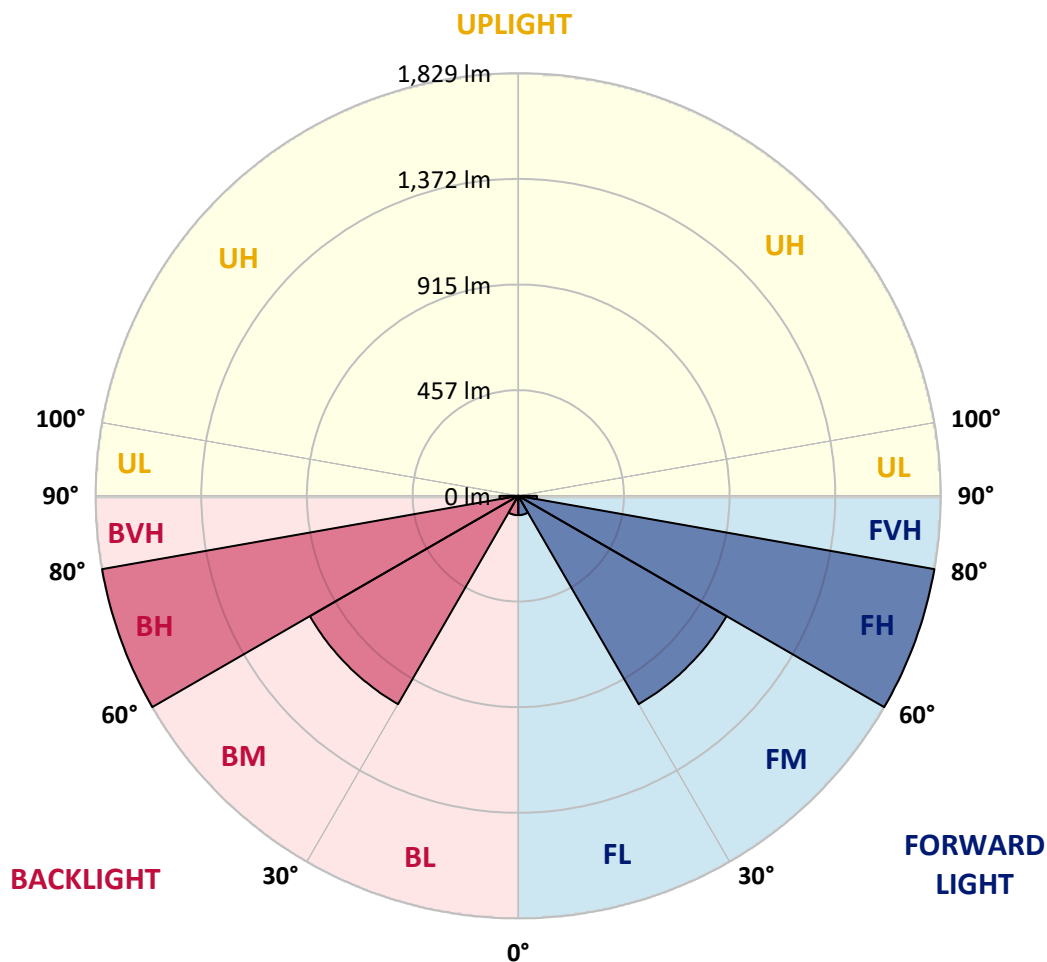
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.8	1.4			
FM (30°-60°)	1041.3	17.2			
FH (60°-80°)	1829.1	30.1			G2/5000
FVH (80°-90°)	80.9	1.3			G1/100
BL (0°-30°)	83.8	1.4	B0/110		
BM (30°-60°)	1041.3	17.2	B2/2500		
BH (60°-80°)	1829.1	30.1	B3/2500		G2/5000
BVH (80°-90°)	80.9	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-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°	15.7	15.7	11.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	66.5	66.5	64.6	60.7	31.3	3.9	2.0	3.9	17.6	23.5	25.4
15°	82.2	78.3	74.4	68.5	64.6	45.0	23.5	107.6	127.2	131.1	131.1
17.5°	193.7	191.8	180.0	121.3	72.4	74.4	142.8	131.1	135.0	138.9	138.9
20°	207.4	207.4	201.5	195.7	135.0	152.6	164.4	140.9	174.1	244.6	244.6
22.5°	279.8	273.9	225.0	205.5	234.8	203.5	180.0	250.5	275.9	281.8	283.7
25°	352.2	352.2	342.4	279.8	256.3	244.6	266.1	297.4	295.5	313.1	318.9
27.5°	381.6	379.6	360.0	328.7	336.6	313.1	322.9	336.6	416.8	434.4	436.4
30°	516.6	516.6	504.8	377.6	360.0	358.1	371.8	416.8	442.2	455.9	461.8
32.5°	542.0	540.1	530.3	491.1	409.0	399.2	434.4	440.3	583.1	612.5	614.4
35°	639.8	641.8	616.4	520.5	506.8	455.9	463.7	561.6	618.3	641.8	643.8
37.5°	688.8	686.8	675.1	598.8	534.2	497.0	538.1	598.8	657.5	688.8	690.7
40°	743.6	743.6	727.9	653.5	596.8	534.2	583.1	649.6	720.1	743.6	745.5
42.5°	800.3	804.2	788.6	725.9	649.6	577.2	635.9	710.3	792.5	804.2	808.1
45°	890.3	884.4	866.8	788.6	706.4	630.1	692.7	786.6	872.7	888.4	892.3
47.5°	982.3	976.4	954.9	874.7	782.7	696.6	767.0	880.5	966.6	978.4	988.1
50°	1074.2	1066.4	1060.5	960.8	874.7	784.6	855.1	978.4	1060.5	1072.3	1074.2
52.5°	1176.0	1174.0	1172.1	1078.2	990.1	886.4	964.7	1086.0	1174.0	1176.0	1177.9
55°	1303.2	1301.2	1305.1	1213.2	1142.7	1033.2	1103.6	1224.9	1305.1	1295.4	1295.4
57.5°	1449.9	1444.1	1453.8	1393.2	1330.6	1197.5	1271.9	1375.6	1448.0	1428.4	1430.4
60°	1624.1	1630.0	1649.5	1600.6	1530.2	1399.1	1481.2	1543.9	1620.2	1594.7	1594.7
62.5°	1853.0	1849.1	1870.6	1831.5	1741.5	1624.1	1706.3	1743.4	1831.5	1804.1	1804.1
65°	2089.8	2101.5	2113.3	2103.5	1970.4	1827.6	1917.6	1997.8	2035.0	1993.9	1991.9
67.5°	2295.2	2287.4	2328.5	2326.5	2160.2	1991.9	2072.2	2173.9	2189.6	2125.0	2127.0
70°	2310.9	2322.6	2373.5	2412.6	2271.8	2113.3	2134.8	2211.1	2187.6	2097.6	2103.5
72.5°	2095.7	2109.4	2158.3	2258.1	2226.8	2164.1	2078.0	2046.7	1974.3	1903.9	1913.7
75°	1539.9	1551.7	1665.2	1825.6	1945.0	2001.7	1849.1	1723.9	1643.7	1573.2	1588.9
77.5°	833.6	857.0	994.0	1197.5	1457.8	1579.1	1448.0	1238.6	1021.4	923.6	894.2
80°	318.9	311.1	397.2	571.4	827.7	1003.8	888.4	620.3	391.3	289.6	297.4
82.5°	82.2	90.0	127.2	174.1	338.5	524.4	395.3	193.7	123.3	99.8	84.1
85°	25.4	25.4	41.1	50.9	97.8	154.6	80.2	52.8	43.0	25.4	21.5
87.5°	5.9	7.8	11.7	13.7	15.7	9.8	9.8	5.9	2.0	2.0	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)