

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: P416481

Luminaire Tested: **LXF.LXT-PA1-70-827-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6551 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

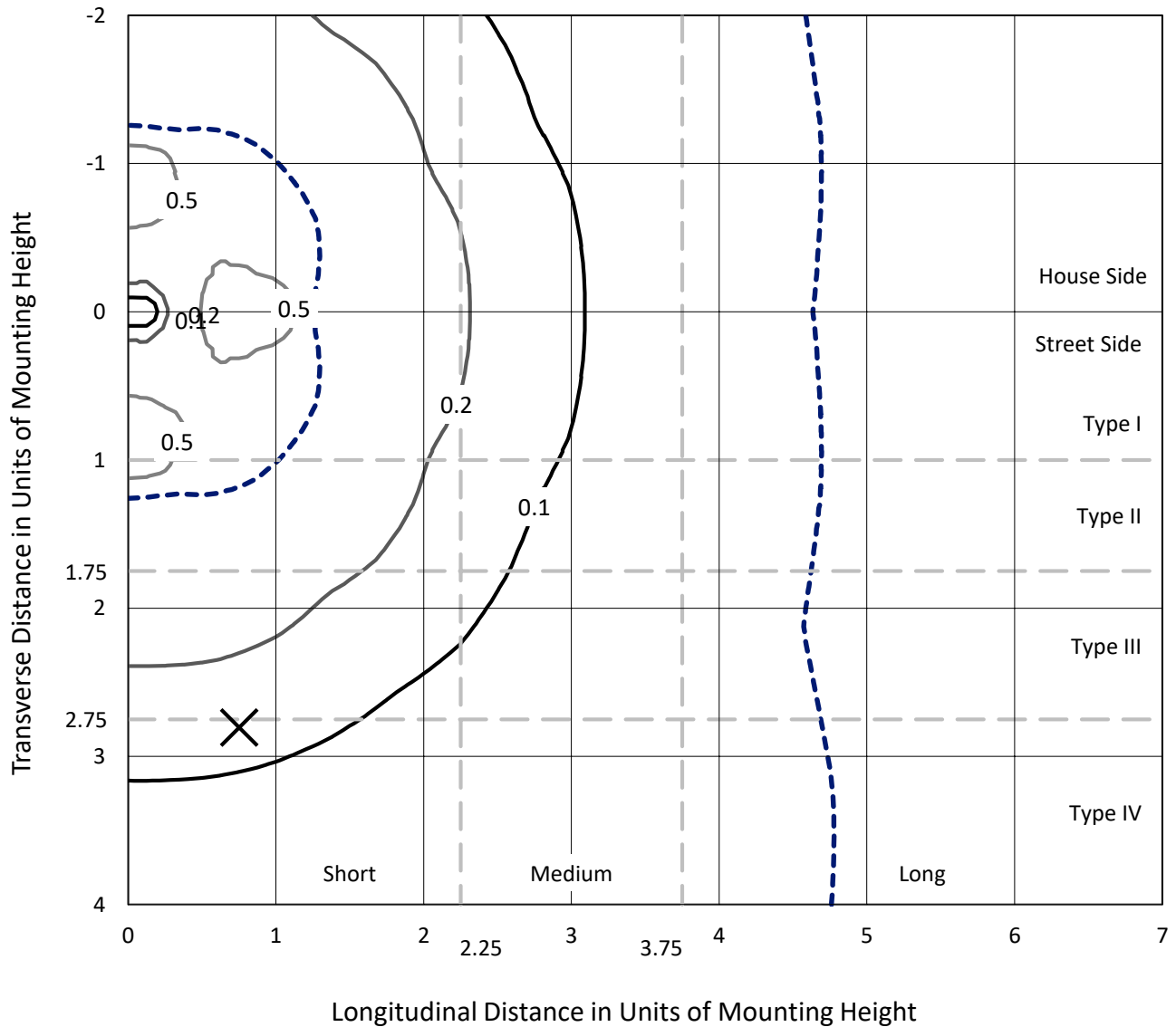
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

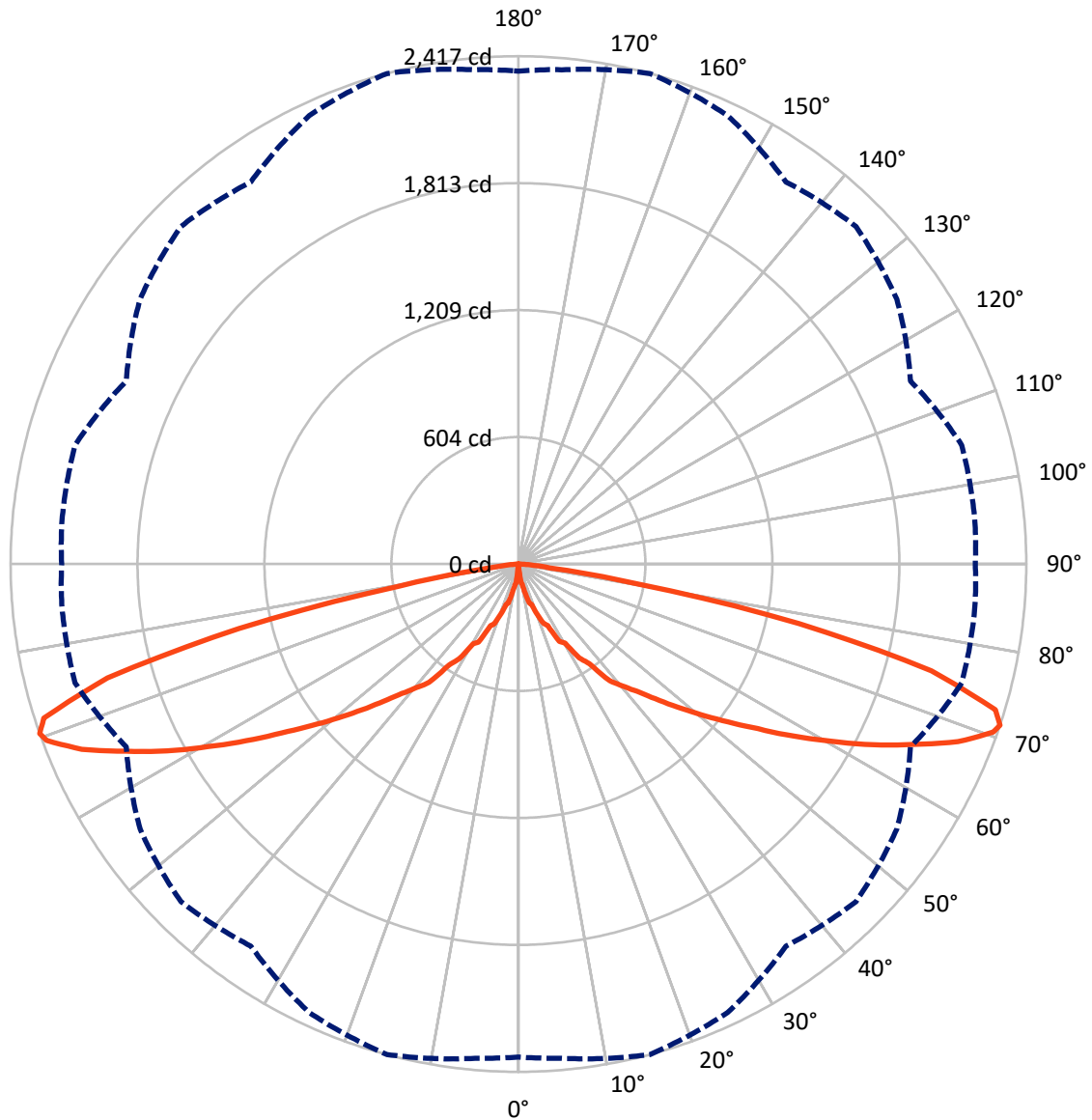
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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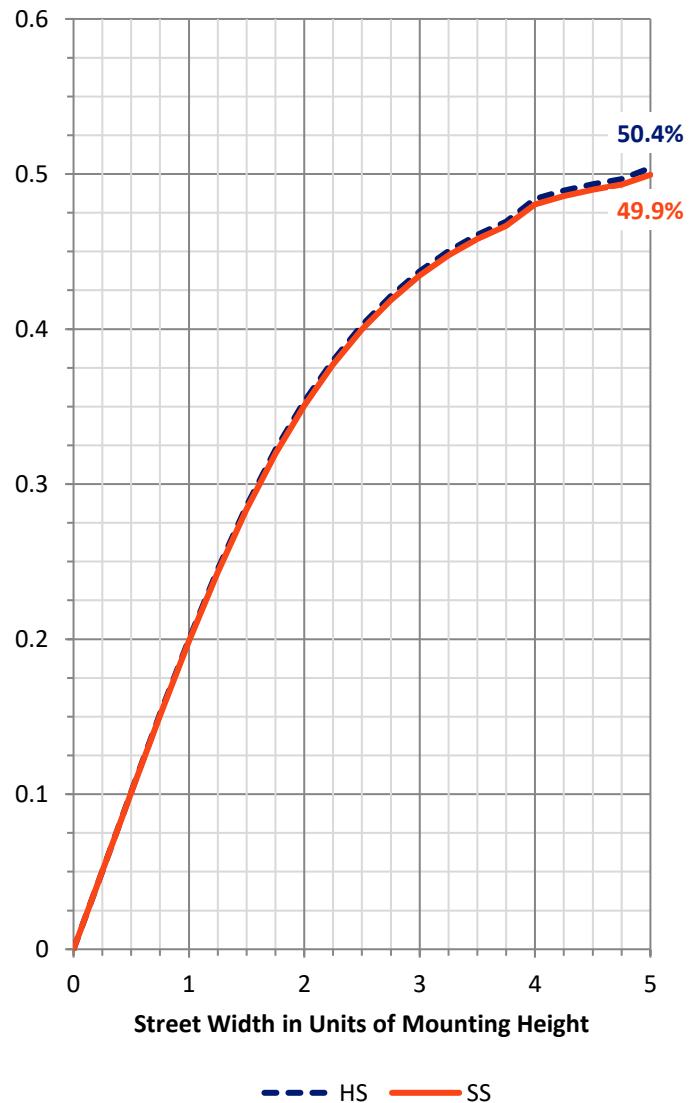
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3275.5	0.0	3275.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3275.5	0.0	3275.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6551.0	0.0	6551.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	43.5	0.7
20°-30°	164.1	2.5
30°-40°	371.6	5.7
40°-50°	664.1	10.1
50°-60°	1168.7	17.8
60°-70°	1933.3	29.5
70°-80°	1955.1	29.8
80°-90°	247.7	3.8
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°	6551.0	100.0
0°-180°	6551.0	100.0



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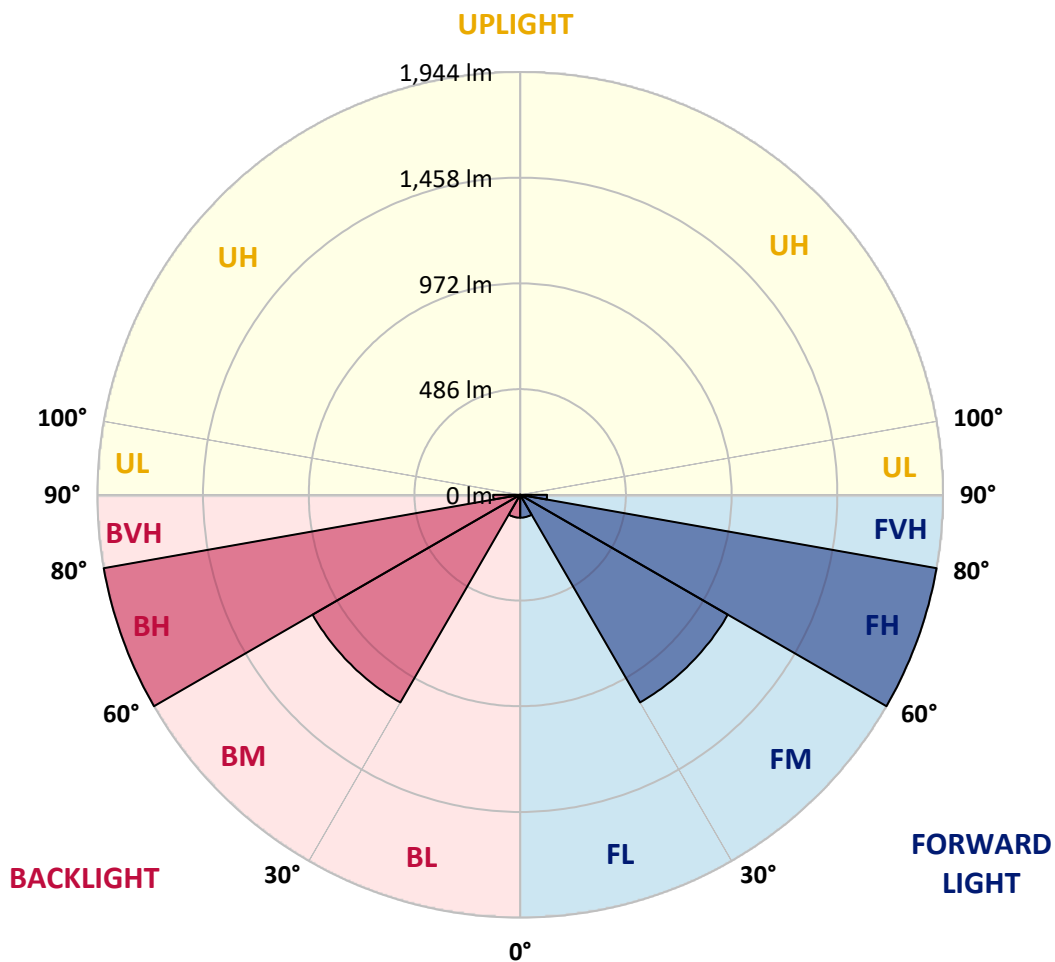
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.2	1.6			
FM (30°-60°)	1102.2	16.8			
FH (60°-80°)	1944.2	29.7			G2/5000
FVH (80°-90°)	123.9	1.9			G2/225
BL (0°-30°)	105.2	1.6	B0/110		
BM (30°-60°)	1102.2	16.8	B2/2500		
BH (60°-80°)	1944.2	29.7	B3/2500		G2/5000
BVH (80°-90°)	123.9	1.9			G2/225
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.0	2.0	1.3	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7
5°	40.4	28.9	14.1	11.4	8.1	2.7	1.3	1.3	1.3	0.7	0.7
7.5°	90.8	90.1	88.8	77.3	54.5	40.4	8.7	2.0	1.3	1.3	1.3
10°	100.9	100.2	99.5	97.5	94.8	86.1	45.1	8.7	3.4	4.0	4.0
12.5°	145.3	144.6	138.5	107.6	98.2	96.2	81.4	41.7	35.6	67.3	71.3
15°	198.4	197.7	191.0	164.1	140.6	103.6	134.5	149.3	133.2	147.3	147.3
17.5°	210.5	208.5	201.8	195.0	185.6	180.2	198.4	191.0	148.0	158.0	158.0
20°	283.1	269.0	255.6	217.2	201.1	263.6	213.9	208.5	234.0	276.4	283.8
22.5°	314.1	313.4	306.7	289.2	285.8	276.4	266.3	303.3	309.4	314.7	316.8
25°	369.9	365.8	324.1	310.0	355.1	302.6	359.1	328.2	338.9	388.7	394.1
27.5°	427.0	425.7	417.0	371.9	371.9	402.2	378.0	396.8	451.9	471.4	478.8
30°	477.5	451.9	435.8	443.2	412.2	431.1	432.4	464.7	478.2	503.0	509.8
32.5°	560.9	558.9	532.6	482.9	484.2	456.6	494.3	491.6	601.2	657.7	672.5
35°	622.1	626.8	582.4	562.9	517.2	544.1	528.6	597.9	633.5	698.1	707.5
37.5°	742.4	741.8	705.5	608.6	575.7	575.0	603.2	628.8	682.6	741.8	747.8
40°	794.2	792.9	762.6	705.5	620.7	626.8	642.9	666.5	726.3	793.6	796.9
42.5°	866.2	859.5	828.5	752.5	706.8	694.7	698.7	727.7	784.8	864.8	861.5
45°	938.8	940.8	913.9	827.2	782.1	757.2	764.6	803.0	866.9	946.2	945.5
47.5°	1026.9	1029.6	1016.8	908.6	868.9	834.6	848.7	887.0	957.0	1034.3	1033.0
50°	1135.9	1135.2	1126.5	1008.1	967.1	933.4	944.2	976.5	1050.5	1127.1	1135.2
52.5°	1246.8	1249.5	1248.2	1128.5	1083.4	1051.1	1061.2	1091.5	1163.4	1240.1	1246.8
55°	1371.9	1384.7	1383.4	1283.8	1213.2	1204.5	1210.5	1217.2	1296.6	1371.2	1372.6
57.5°	1526.6	1532.6	1544.8	1459.3	1380.0	1375.3	1363.8	1361.2	1439.2	1501.0	1491.6
60°	1687.3	1693.4	1712.9	1657.7	1570.3	1579.7	1542.1	1501.0	1575.7	1625.5	1620.1
62.5°	1841.3	1855.5	1893.8	1849.4	1768.7	1797.6	1725.7	1656.4	1725.7	1766.7	1758.6
65°	2006.8	2024.3	2069.3	2051.8	1936.8	1998.0	1921.4	1805.7	1899.8	1920.0	1921.4
67.5°	2189.0	2203.1	2256.9	2225.3	2082.8	2148.7	2085.5	1952.3	2055.9	2048.5	2041.1
70°	2329.6	2347.1	2396.8	2330.9	2189.0	2244.2	2181.6	2045.1	2165.5	2169.5	2163.5
71°	2346.4	2361.2	2417.0	2355.1	2220.0	2271.7	2198.4	2059.2	2184.3	2181.6	2174.2
72.5°	2290.6	2308.7	2374.6	2335.0	2244.2	2306.0	2197.8	2036.4	2157.4	2132.5	2122.4
75°	1940.2	1949.6	2030.3	2102.9	2156.7	2291.2	2075.4	1856.8	1937.5	1899.2	1894.5
77.5°	1178.9	1203.1	1364.5	1587.1	1846.7	2062.6	1805.7	1501.7	1470.1	1356.5	1312.1
80°	406.9	449.2	577.0	811.7	1242.1	1593.8	1273.1	918.0	686.6	517.2	478.2
82.5°	67.9	98.9	150.0	254.2	558.2	905.9	628.8	303.3	197.0	137.9	133.2
85°	22.9	26.9	57.2	70.6	130.5	249.5	146.6	84.1	72.6	46.4	43.0
87.5°	3.4	4.7	7.4	8.1	11.4	6.7	12.1	12.8	10.1	6.7	4.0
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)