

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: P416273

Luminaire Tested: **LXF.LXT-PA1-70-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416273
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-PA1-70-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8116 lumens
Efficiency: N/A
Efficacy: 109.7 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

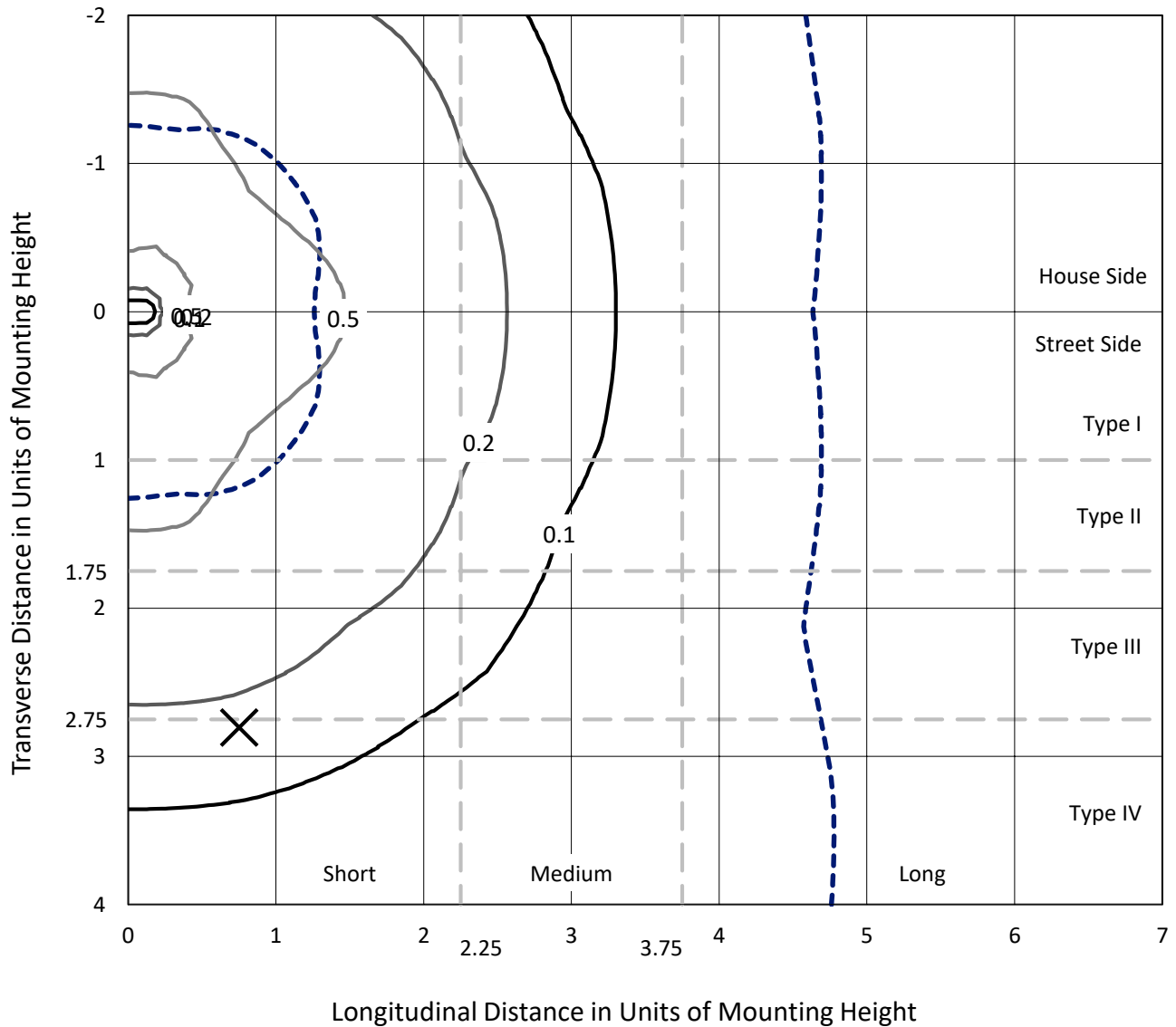
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

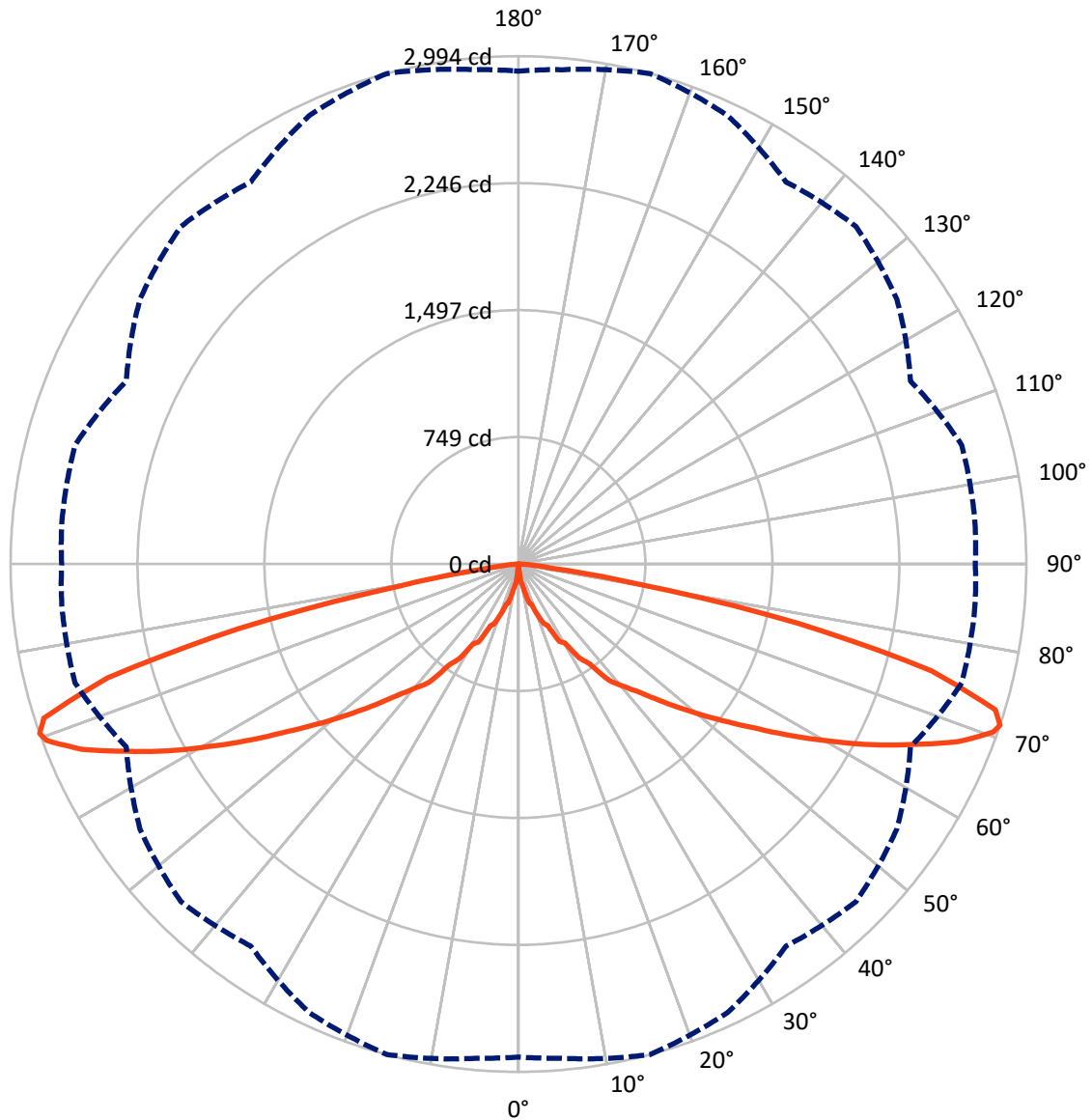
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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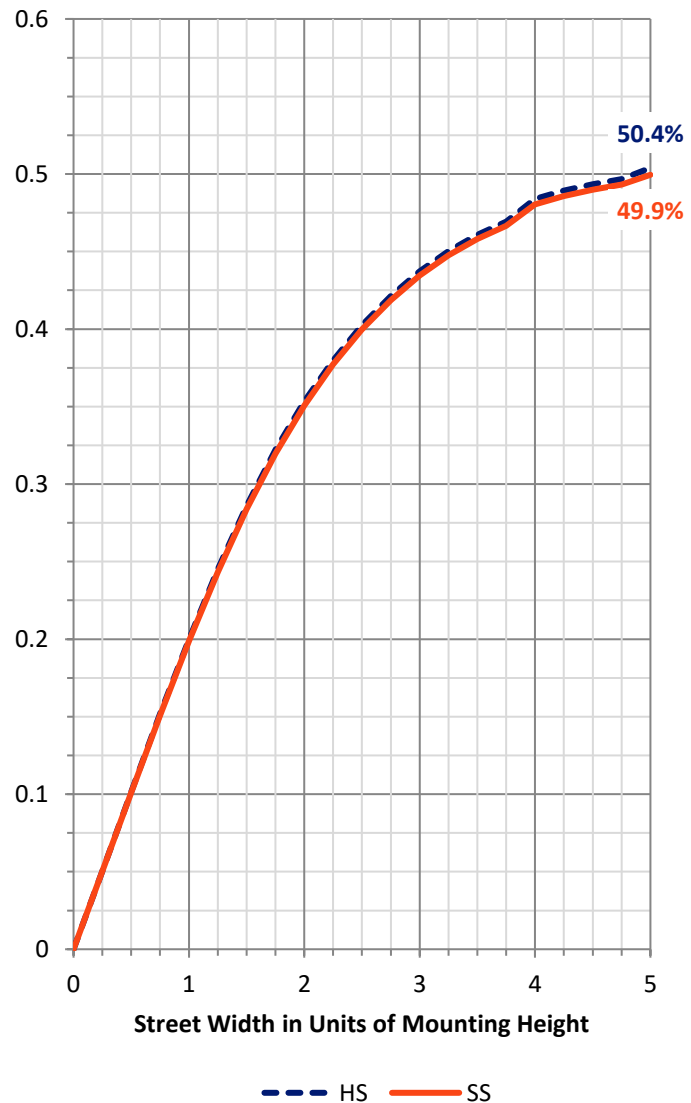
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4058.0	0.0	4058.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4058.0	0.0	4058.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8116.0	0.0	8116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.0
10°-20°	53.8	0.7
20°-30°	203.3	2.5
30°-40°	460.4	5.7
40°-50°	822.7	10.1
50°-60°	1447.9	17.8
60°-70°	2395.2	29.5
70°-80°	2422.2	29.8
80°-90°	306.9	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°	8116.0	100.0
0°-180°	8116.0	100.0



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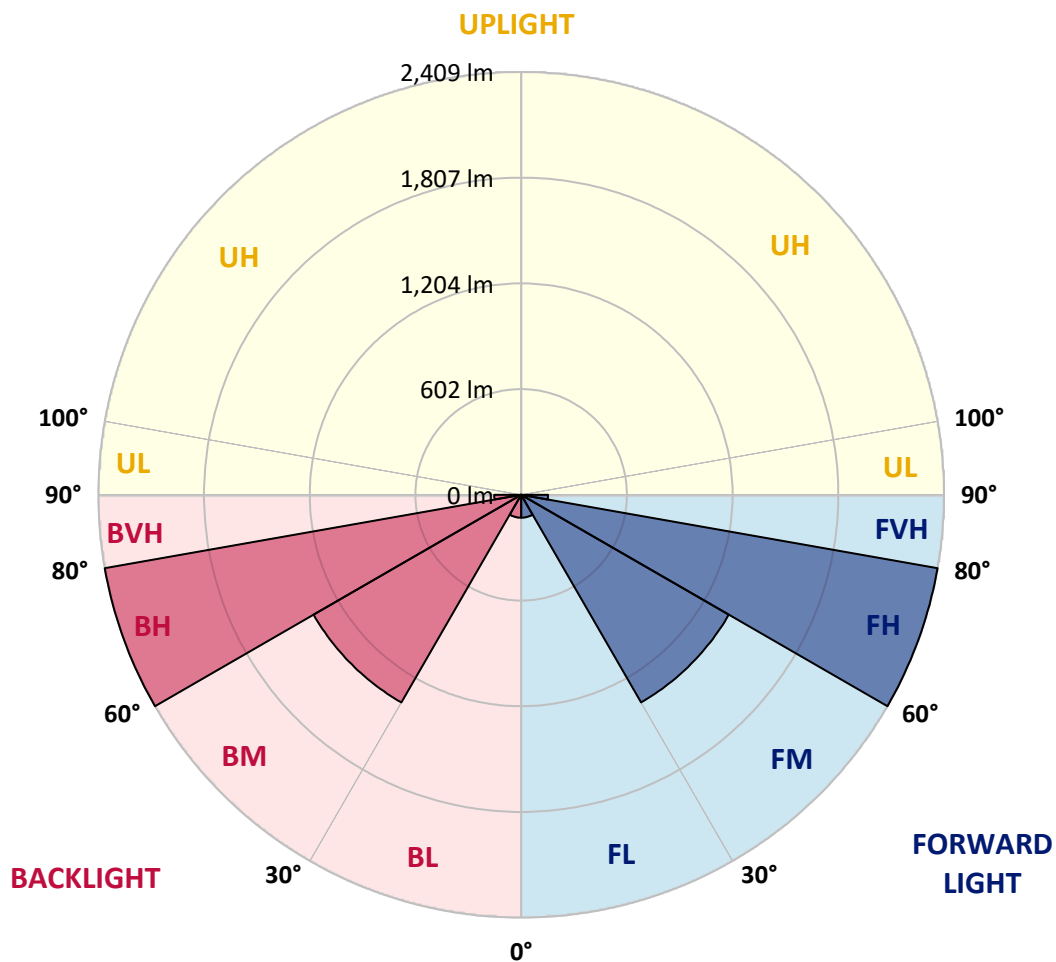
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.4	1.6			
FM	(30°-60°)	1365.5	16.8			
FH	(60°-80°)	2408.7	29.7			G2/5000
FVH	(80°-90°)	153.4	1.9			G2/225
BL	(0°-30°)	130.4	1.6	B1/500		
BM	(30°-60°)	1365.5	16.8	B2/2500		
BH	(60°-80°)	2408.7	29.7	B3/2500		G2/5000
BVH	(80°-90°)	153.4	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.5	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
5°	50.0	35.8	17.5	14.2	10.0	3.3	1.7	1.7	1.7	0.8	0.8
7.5°	112.5	111.6	110.0	95.8	67.5	50.0	10.8	2.5	1.7	1.7	1.7
10°	125.0	124.1	123.3	120.8	117.5	106.6	55.8	10.8	4.2	5.0	5.0
12.5°	180.0	179.1	171.6	133.3	121.6	119.1	100.8	51.7	44.2	83.3	88.3
15°	245.8	245.0	236.6	203.3	174.1	128.3	166.6	185.0	165.0	182.5	182.5
17.5°	260.8	258.3	250.0	241.6	230.0	223.3	245.8	236.6	183.3	195.8	195.8
20°	350.8	333.3	316.6	269.1	249.1	326.6	264.9	258.3	289.9	342.4	351.6
22.5°	389.1	388.3	379.9	358.3	354.1	342.4	329.9	375.8	383.3	389.9	392.4
25°	458.2	453.2	401.6	384.1	439.9	374.9	444.9	406.6	419.9	481.6	488.2
27.5°	529.1	527.4	516.6	460.7	460.7	498.2	468.2	491.6	559.9	584.1	593.2
30°	591.5	559.9	539.9	549.1	510.7	534.1	535.7	575.7	592.4	623.2	631.5
32.5°	694.9	692.4	659.9	598.2	599.9	565.7	612.4	609.0	744.9	814.8	833.2
35°	770.7	776.5	721.5	697.4	640.7	674.0	654.9	740.7	784.8	864.8	876.5
37.5°	919.8	919.0	874.0	754.0	713.2	712.4	747.4	779.0	845.7	919.0	926.5
40°	984.0	982.3	944.8	874.0	769.0	776.5	796.5	825.7	899.8	983.1	987.3
42.5°	1073.1	1064.8	1026.5	932.3	875.7	860.7	865.7	901.5	972.3	1071.5	1067.3
45°	1163.1	1165.6	1132.3	1024.8	969.0	938.1	947.3	994.8	1074.0	1172.3	1171.4
47.5°	1272.2	1275.6	1259.7	1125.6	1076.5	1034.0	1051.5	1098.9	1185.6	1281.4	1279.7
50°	1407.2	1406.4	1395.6	1248.9	1198.1	1156.4	1169.8	1209.8	1301.4	1396.4	1406.4
52.5°	1544.7	1548.0	1546.4	1398.1	1342.2	1302.2	1314.7	1352.2	1441.4	1536.4	1544.7
55°	1699.7	1715.5	1713.8	1590.5	1503.0	1492.2	1499.7	1508.0	1606.3	1698.8	1700.5
57.5°	1891.3	1898.8	1913.8	1808.0	1709.7	1703.8	1689.7	1686.3	1783.0	1859.6	1848.0
60°	2090.4	2097.9	2122.1	2053.8	1945.4	1957.1	1910.5	1859.6	1952.1	2013.8	2007.1
62.5°	2281.2	2298.7	2346.2	2291.2	2191.2	2227.1	2137.9	2052.1	2137.9	2188.7	2178.7
65°	2486.2	2507.8	2563.7	2542.0	2399.5	2475.3	2380.4	2237.1	2353.7	2378.7	2380.4
67.5°	2712.0	2729.5	2796.1	2757.0	2580.3	2662.0	2583.7	2418.7	2547.0	2537.8	2528.7
70°	2886.1	2907.8	2969.4	2887.8	2712.0	2780.3	2702.8	2533.7	2682.8	2687.8	2680.3
71°	2906.9	2925.3	2994.4	2917.8	2750.3	2814.4	2723.6	2551.2	2706.1	2702.8	2693.6
72.5°	2837.8	2860.3	2941.9	2892.8	2780.3	2856.9	2722.8	2522.8	2672.8	2642.0	2629.5
75°	2403.7	2415.4	2515.3	2605.3	2672.0	2838.6	2571.2	2300.4	2400.4	2352.9	2347.0
77.5°	1460.5	1490.5	1690.5	1966.3	2287.9	2555.3	2237.1	1860.5	1821.3	1680.5	1625.5
80°	504.1	556.6	714.9	1005.6	1538.9	1974.6	1577.2	1137.3	850.7	640.7	592.4
82.5°	84.1	122.5	185.8	314.9	691.5	1122.3	779.0	375.8	244.1	170.8	165.0
85°	28.3	33.3	70.8	87.5	161.6	309.1	181.6	104.1	90.0	57.5	53.3
87.5°	4.2	5.8	9.2	10.0	14.2	8.3	15.0	15.8	12.5	8.3	5.0
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)