

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: P415545

Luminaire Tested: **LXF.LXT-PA1-50-750-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415545
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-PA1-50-750-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6878 lumens
Efficiency: N/A
Efficacy: 127.4 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

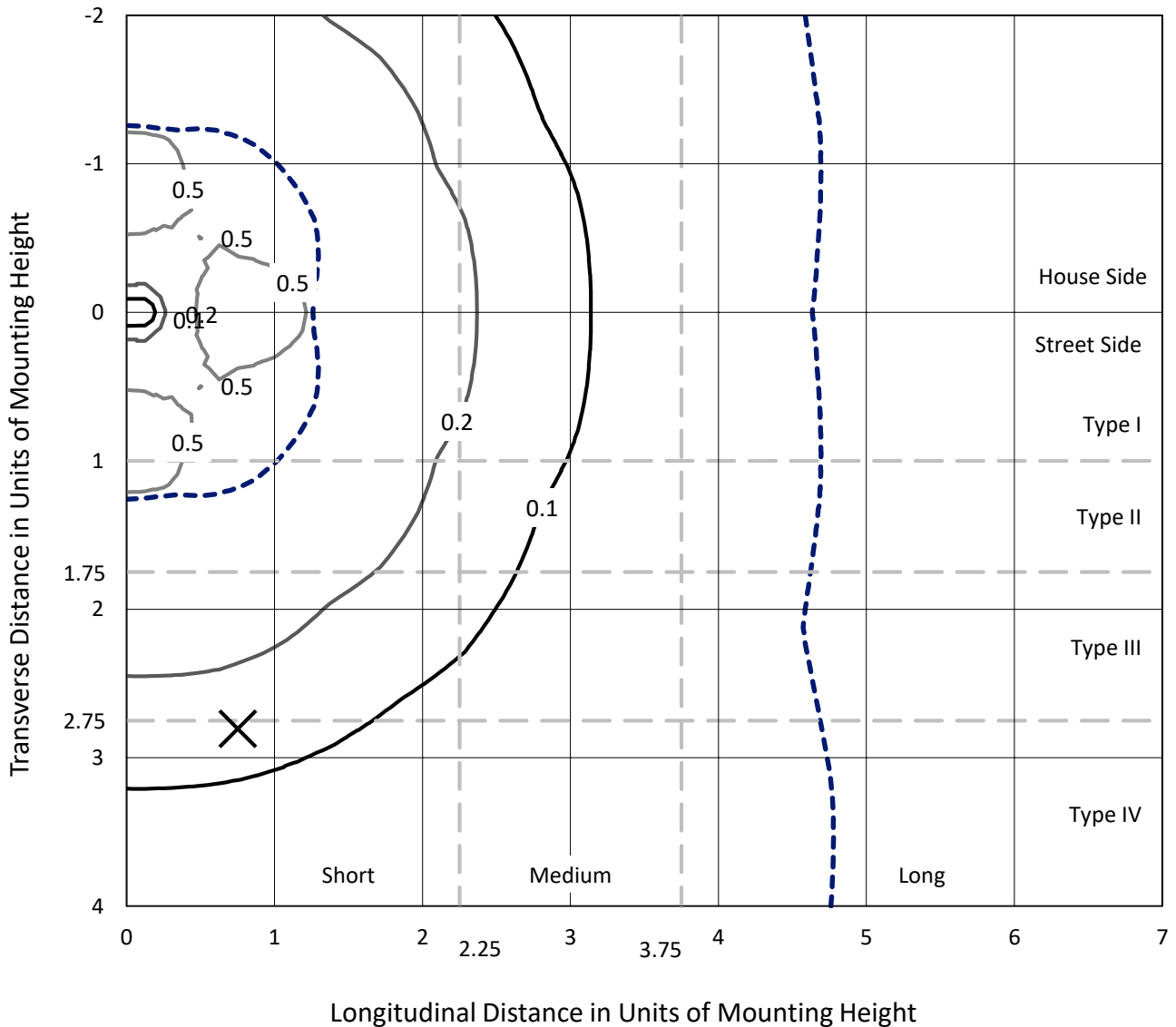
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

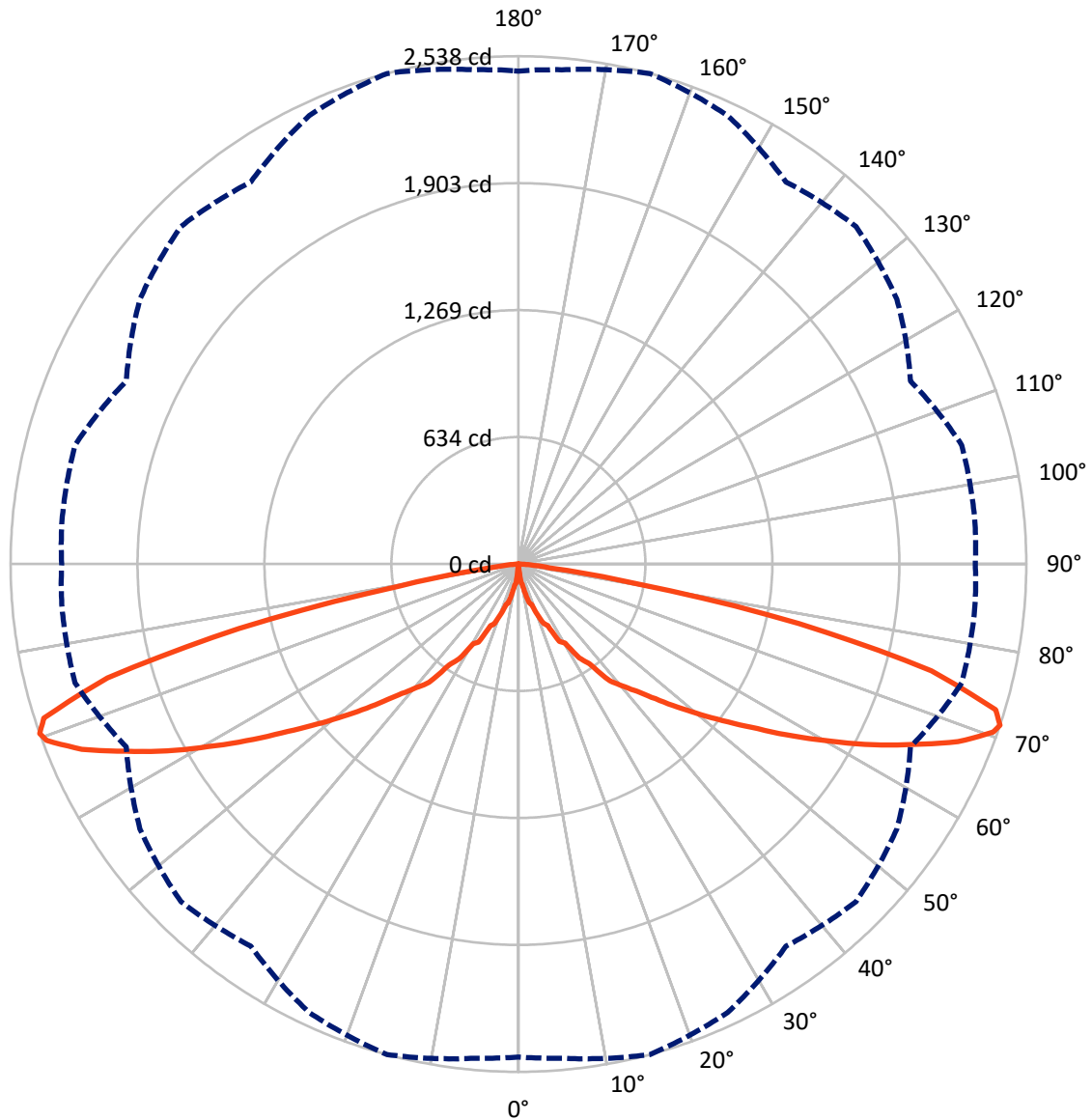
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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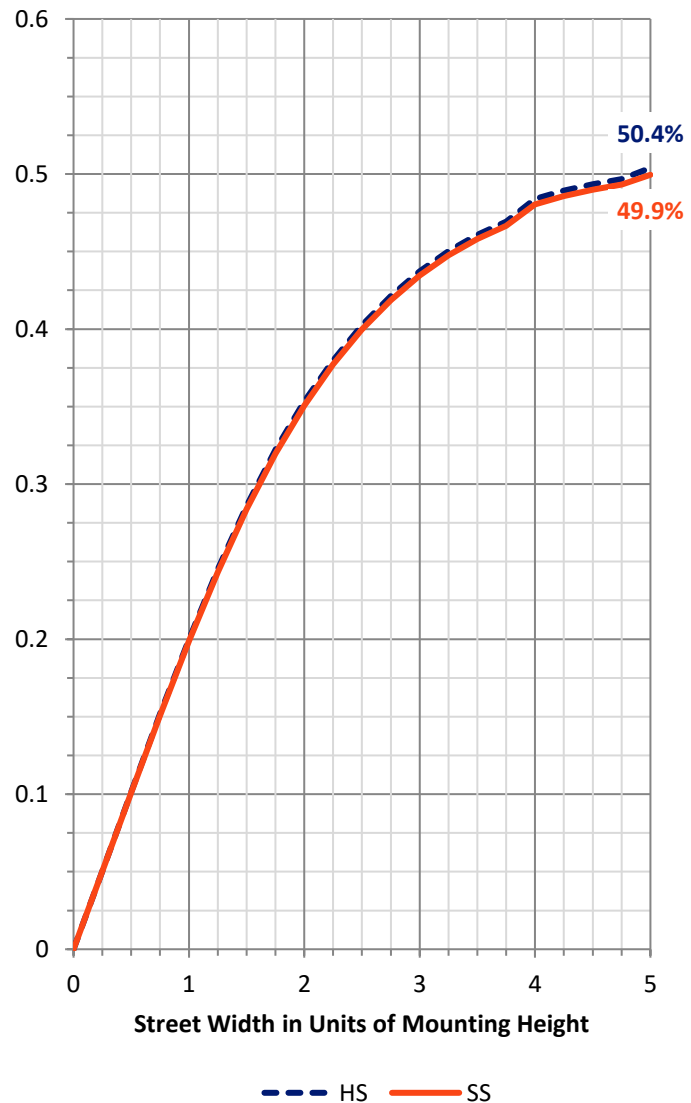
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3439.0	0.0	3439.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3439.0	0.0	3439.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6878.0	0.0	6878.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	45.6	0.7
20°-30°	172.3	2.5
30°-40°	390.2	5.7
40°-50°	697.2	10.1
50°-60°	1227.0	17.8
60°-70°	2029.8	29.5
70°-80°	2052.7	29.8
80°-90°	260.1	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°	6878.0	100.0
0°-180°	6878.0	100.0



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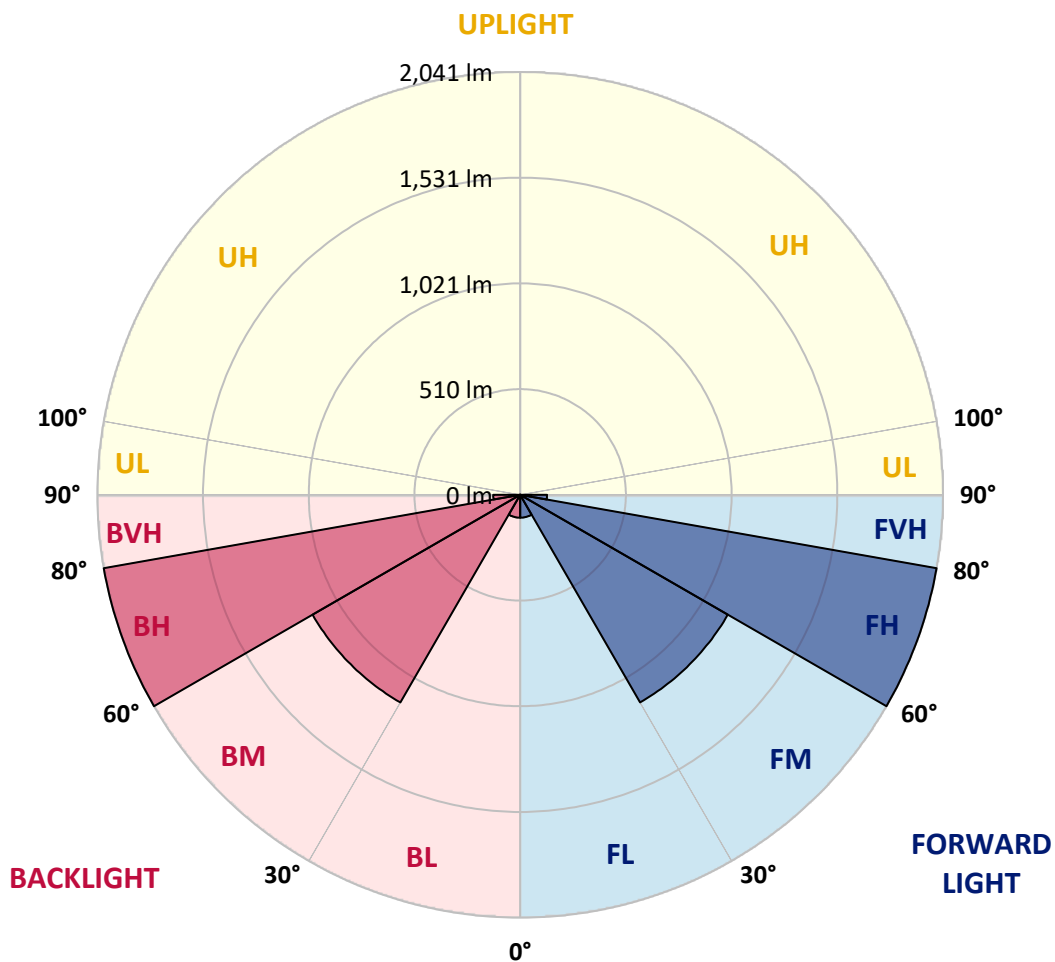
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.5	1.6			
FM	(30°-60°)	1157.2	16.8			
FH	(60°-80°)	2041.3	29.7			G2/5000
FVH	(80°-90°)	130.0	1.9			G2/225
BL	(0°-30°)	110.5	1.6	B1/500		
BM	(30°-60°)	1157.2	16.8	B2/2500		
BH	(60°-80°)	2041.3	29.7	B3/2500		G2/5000
BVH	(80°-90°)	130.0	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°	2.1	2.1	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7
5°	42.4	30.4	14.8	12.0	8.5	2.8	1.4	1.4	1.4	0.7	0.7
7.5°	95.3	94.6	93.2	81.2	57.2	42.4	9.2	2.1	1.4	1.4	1.4
10°	105.9	105.2	104.5	102.4	99.6	90.4	47.3	9.2	3.5	4.2	4.2
12.5°	152.5	151.8	145.5	113.0	103.1	101.0	85.4	43.8	37.4	70.6	74.8
15°	208.3	207.6	200.5	172.3	147.6	108.7	141.2	156.7	139.8	154.6	154.6
17.5°	221.0	218.9	211.8	204.8	194.9	189.2	208.3	200.5	155.3	165.9	165.9
20°	297.3	282.4	268.3	228.1	211.1	276.8	224.5	218.9	245.7	290.2	298.0
22.5°	329.7	329.0	322.0	303.6	300.1	290.2	279.6	318.4	324.8	330.4	332.6
25°	388.3	384.1	340.3	325.5	372.8	317.7	377.0	344.6	355.9	408.1	413.8
27.5°	448.4	446.9	437.8	390.5	390.5	422.2	396.8	416.6	474.5	495.0	502.7
30°	501.3	474.5	457.5	465.3	432.8	452.6	454.0	487.9	502.0	528.1	535.2
32.5°	588.9	586.8	559.2	507.0	508.4	479.4	519.0	516.1	631.2	690.5	706.1
35°	653.1	658.1	611.5	591.0	543.0	571.2	555.0	627.7	665.1	732.9	742.8
37.5°	779.5	778.8	740.7	639.0	604.4	603.7	633.4	660.2	716.7	778.8	785.2
40°	833.9	832.5	800.7	740.7	651.7	658.1	675.0	699.7	762.6	833.2	836.7
42.5°	909.4	902.4	869.9	790.1	742.1	729.4	733.6	764.0	824.0	908.0	904.5
45°	985.7	987.8	959.6	868.5	821.2	795.0	802.8	843.1	910.1	993.5	992.7
47.5°	1078.2	1081.0	1067.6	953.9	912.3	876.2	891.1	931.3	1004.7	1085.9	1084.5
50°	1192.6	1191.9	1182.7	1058.4	1015.3	980.0	991.3	1025.2	1102.9	1183.4	1191.9
52.5°	1309.1	1311.9	1310.5	1184.8	1137.5	1103.6	1114.2	1146.0	1221.5	1302.0	1309.1
55°	1440.4	1453.8	1452.4	1347.9	1273.8	1264.6	1270.9	1278.0	1361.3	1439.7	1441.1
57.5°	1602.8	1609.2	1621.9	1532.2	1448.9	1443.9	1431.9	1429.1	1511.0	1576.0	1566.1
60°	1771.5	1777.9	1798.4	1740.5	1648.7	1658.6	1619.0	1576.0	1654.3	1706.6	1700.9
62.5°	1933.2	1948.1	1988.3	1941.7	1857.0	1887.3	1811.8	1739.1	1811.8	1854.9	1846.4
65°	2106.9	2125.3	2172.6	2154.2	2033.5	2097.8	2017.3	1895.8	1994.7	2015.9	2017.3
67.5°	2298.3	2313.1	2369.6	2336.4	2186.7	2255.9	2189.5	2049.7	2158.5	2150.7	2142.9
70°	2445.9	2464.2	2516.5	2447.3	2298.3	2356.2	2290.5	2147.2	2273.6	2277.8	2271.5
71°	2463.5	2479.0	2537.6	2472.7	2330.8	2385.1	2308.2	2162.0	2293.3	2290.5	2282.7
72.5°	2404.9	2424.0	2493.2	2451.5	2356.2	2421.1	2307.5	2138.0	2265.1	2239.0	2228.4
75°	2037.0	2046.9	2131.6	2207.9	2264.4	2405.6	2179.0	1949.5	2034.2	1994.0	1989.0
77.5°	1237.8	1263.2	1432.6	1666.3	1938.9	2165.5	1895.8	1576.7	1543.5	1424.2	1377.6
80°	427.2	471.7	605.8	852.2	1304.1	1673.4	1336.6	963.8	720.9	543.0	502.0
82.5°	71.3	103.8	157.5	266.9	586.0	951.1	660.2	318.4	206.9	144.7	139.8
85°	24.0	28.2	60.0	74.1	137.0	262.0	153.9	88.3	76.3	48.7	45.2
87.5°	3.5	4.9	7.8	8.5	12.0	7.1	12.7	13.4	10.6	7.1	4.2
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)