

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: P414037

Luminaire Tested: **LXF.LXT-PA1-100-830-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414037  
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-PA1-100-830-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8451 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G2

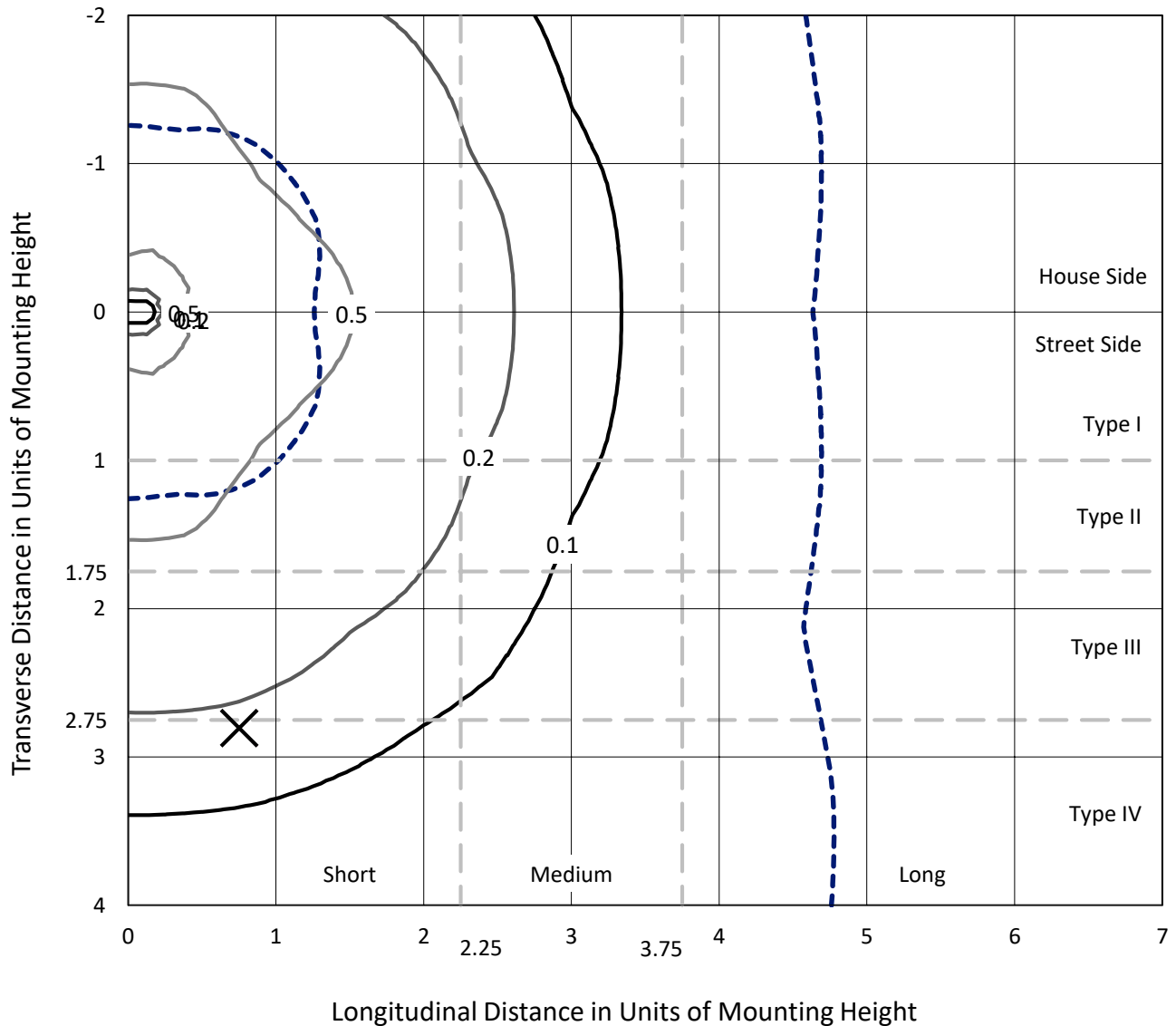
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

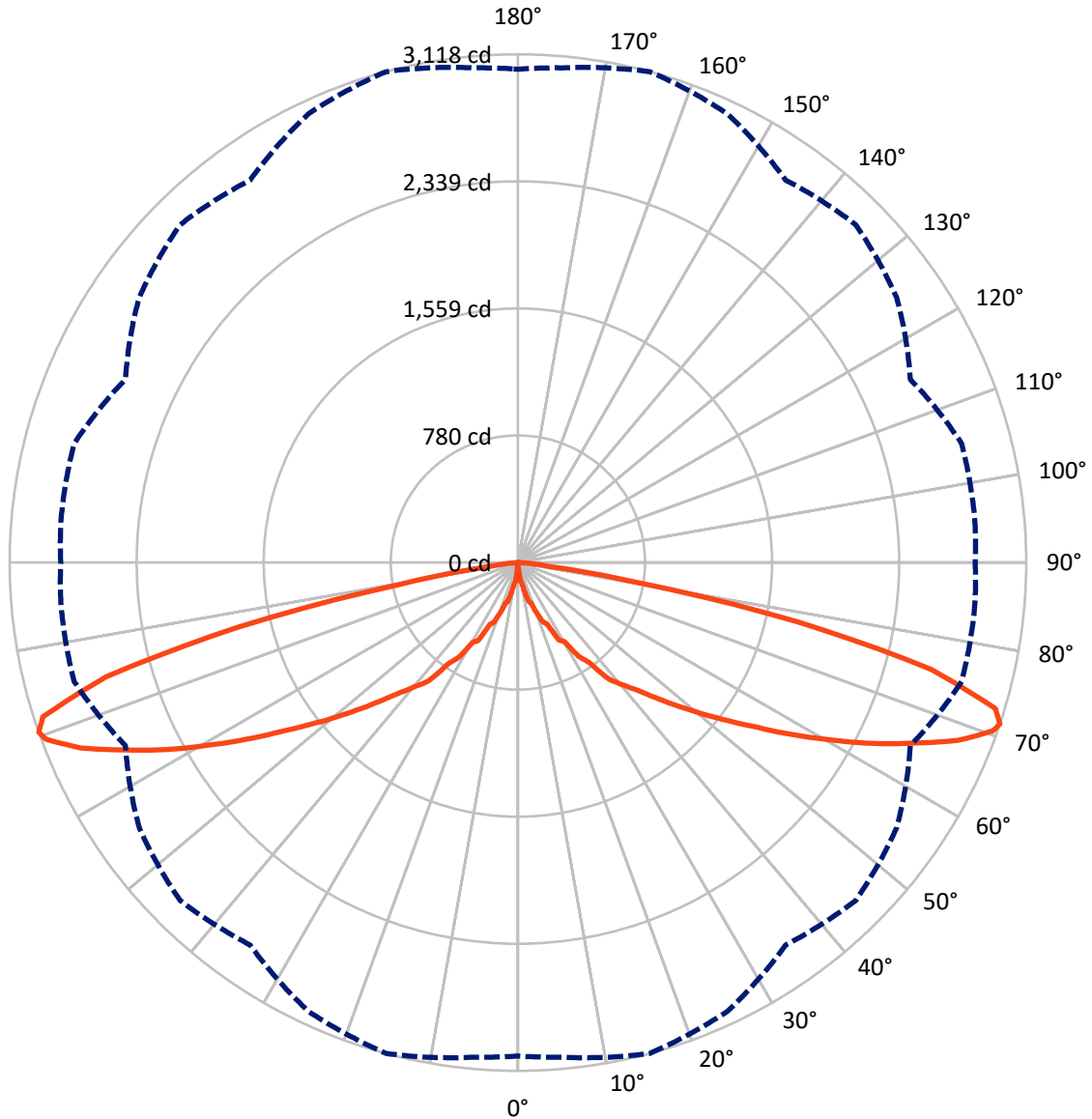
× Max cd  
 - - - 1/2 Max cd



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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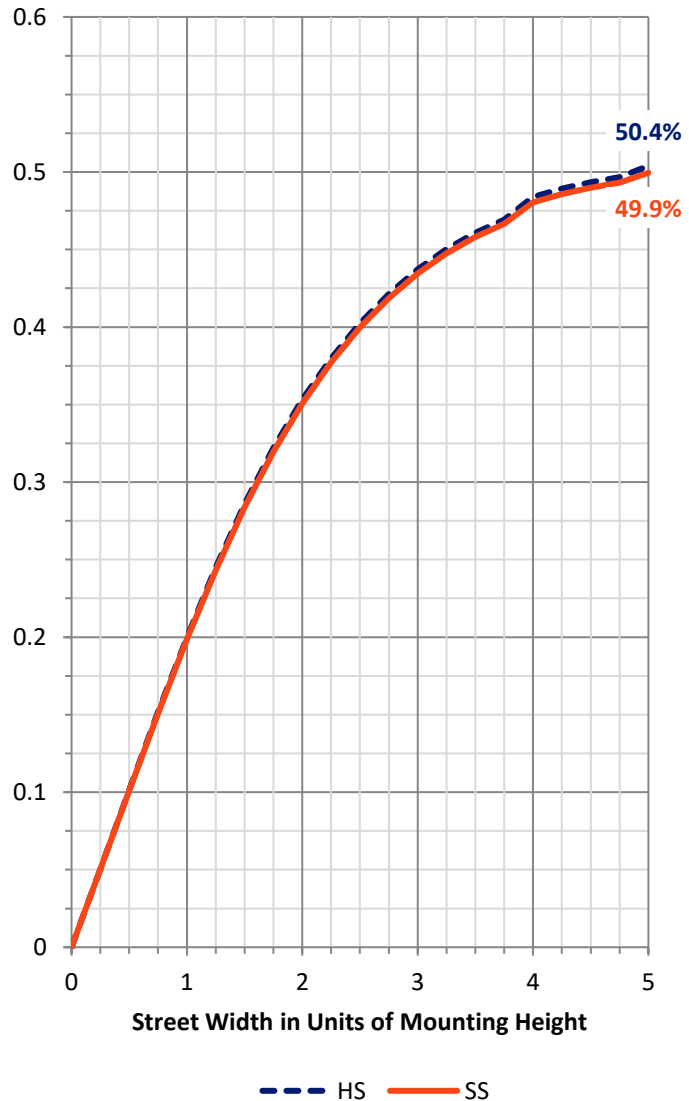
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4225.5	0.0	4225.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4225.5	0.0	4225.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8451.0	0.0	8451.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	56.1	0.7
20°-30°	211.7	2.5
30°-40°	479.4	5.7
40°-50°	856.7	10.1
50°-60°	1507.7	17.8
60°-70°	2494.1	29.5
70°-80°	2522.2	29.8
80°-90°	319.5	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°	8451.0	100.0
0°-180°	8451.0	100.0

**Coefficient of Utilization**



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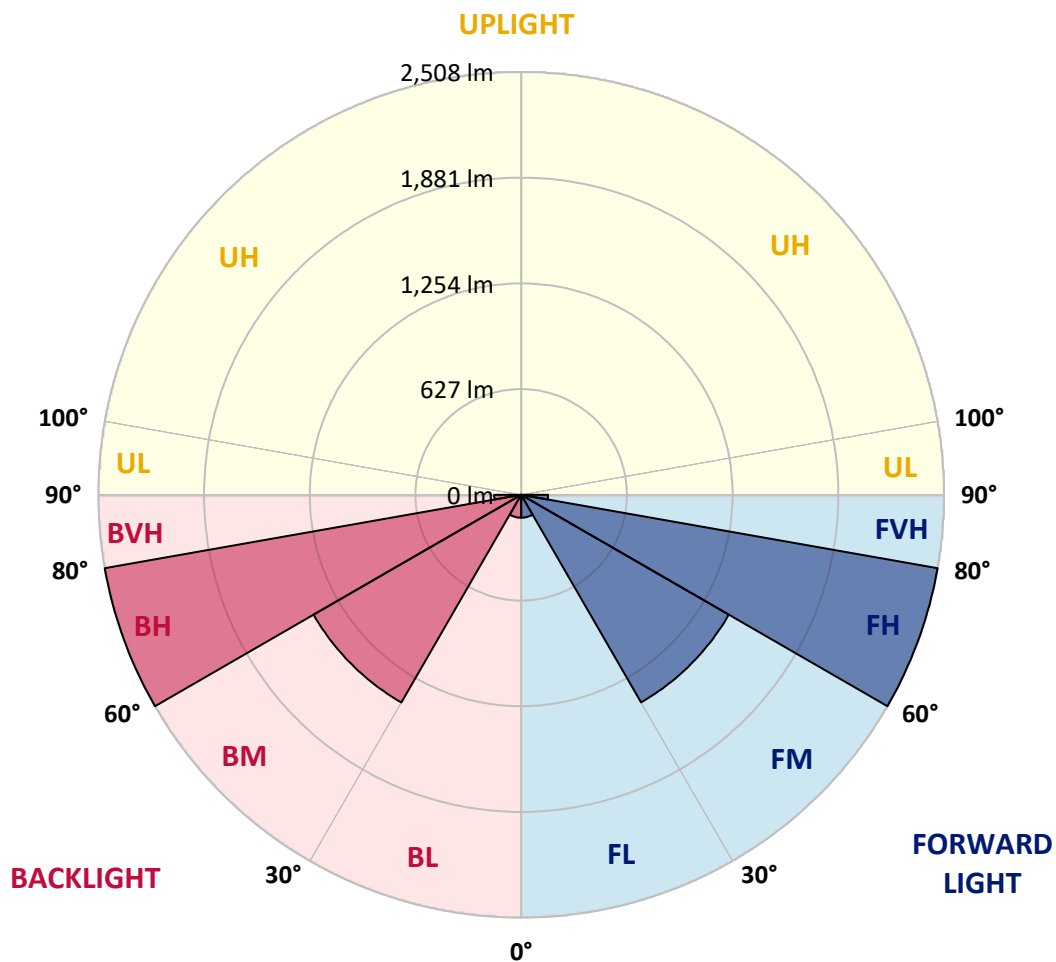
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.7	1.6			
FM	(30°-60°)	1421.9	16.8			
FH	(60°-80°)	2508.1	29.7			G2/5000
FVH	(80°-90°)	159.8	1.9			G2/225
BL	(0°-30°)	135.7	1.6	B1/500		
BM	(30°-60°)	1421.9	16.8	B2/2500		
BH	(60°-80°)	2508.1	29.7	B4/5000		G2/5000
BVH	(80°-90°)	159.8	1.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
5°	52.1	37.3	18.2	14.7	10.4	3.5	1.7	1.7	1.7	0.9	0.9
7.5°	117.1	116.3	114.5	99.8	70.3	52.1	11.3	2.6	1.7	1.7	1.7
10°	130.1	129.3	128.4	125.8	122.3	111.0	58.1	11.3	4.3	5.2	5.2
12.5°	187.4	186.5	178.7	138.8	126.7	124.1	105.0	53.8	46.0	86.8	92.0
15°	255.9	255.1	246.4	211.7	181.3	133.6	173.5	192.6	171.8	190.0	190.0
17.5°	271.5	268.9	260.3	251.6	239.4	232.5	255.9	246.4	190.9	203.9	203.9
20°	365.2	347.0	329.7	280.2	259.4	340.1	275.9	268.9	301.9	356.6	366.1
22.5°	405.1	404.3	395.6	373.0	368.7	356.6	343.6	391.3	399.1	406.0	408.6
25°	477.2	472.0	418.2	399.9	458.1	390.4	463.3	423.4	437.2	501.4	508.4
27.5°	550.9	549.2	537.9	479.8	479.8	518.8	487.6	511.9	583.0	608.2	617.7
30°	616.0	583.0	562.2	571.7	531.8	556.1	557.8	599.5	616.8	648.9	657.6
32.5°	723.5	720.9	687.1	622.9	624.6	589.1	637.7	634.2	775.6	848.5	867.6
35°	802.5	808.6	751.3	726.1	667.2	701.9	681.9	771.3	817.2	900.5	912.7
37.5°	957.8	956.9	910.1	785.1	742.6	741.8	778.2	811.2	880.6	956.9	964.7
40°	1024.6	1022.9	983.8	910.1	800.8	808.6	829.4	859.8	937.0	1023.7	1028.1
42.5°	1117.4	1108.7	1068.8	970.8	911.8	896.2	901.4	938.7	1012.4	1115.7	1111.3
45°	1211.1	1213.7	1179.0	1067.1	1009.0	976.9	986.4	1035.9	1118.3	1220.7	1219.8
47.5°	1324.8	1328.2	1311.7	1172.1	1120.9	1076.6	1094.9	1144.3	1234.5	1334.3	1332.6
50°	1465.3	1464.4	1453.2	1300.5	1247.5	1204.2	1218.1	1259.7	1355.1	1454.0	1464.4
52.5°	1608.5	1611.9	1610.2	1455.8	1397.6	1356.0	1369.0	1408.0	1500.9	1599.8	1608.5
55°	1769.8	1786.3	1784.6	1656.2	1565.1	1553.8	1561.6	1570.3	1672.7	1769.0	1770.7
57.5°	1969.4	1977.2	1992.8	1882.6	1780.2	1774.2	1759.4	1755.9	1856.6	1936.4	1924.2
60°	2176.7	2184.5	2209.7	2138.5	2025.7	2037.9	1989.3	1936.4	2032.7	2096.9	2089.9
62.5°	2375.4	2393.6	2443.0	2385.8	2281.7	2319.0	2226.2	2136.8	2226.2	2279.1	2268.7
65°	2588.8	2611.3	2669.5	2646.9	2498.6	2577.5	2478.6	2329.4	2450.9	2476.9	2478.6
67.5°	2823.9	2842.1	2911.5	2870.7	2686.8	2771.8	2690.3	2518.5	2652.1	2642.6	2633.0
70°	3005.2	3027.8	3092.0	3007.0	2823.9	2895.0	2814.4	2638.2	2793.5	2798.7	2790.9
71°	3026.9	3046.0	3118.0	3038.2	2863.8	2930.6	2836.0	2656.5	2817.8	2814.4	2804.8
72.5°	2954.9	2978.3	3063.3	3012.2	2895.0	2974.9	2835.2	2627.0	2783.1	2751.0	2738.0
75°	2502.9	2515.1	2619.2	2712.9	2782.3	2955.8	2677.3	2395.3	2499.4	2450.0	2443.9
77.5°	1520.8	1552.1	1760.3	2047.4	2382.3	2660.8	2329.4	1937.3	1896.5	1749.9	1692.6
80°	524.9	579.5	744.4	1047.1	1602.4	2056.1	1642.3	1184.2	885.8	667.2	616.8
82.5°	87.6	127.5	193.5	327.9	720.1	1168.6	811.2	391.3	254.2	177.8	171.8
85°	29.5	34.7	73.7	91.1	168.3	321.9	189.1	108.4	93.7	59.9	55.5
87.5°	4.3	6.1	9.5	10.4	14.7	8.7	15.6	16.5	13.0	8.7	5.2
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)