

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: P417365

Luminaire Tested: **LXF.LXT-PA1-90-830-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417365  
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-PA1-90-830-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8346 lumens  
Efficiency: N/A  
Efficacy: 88.8 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

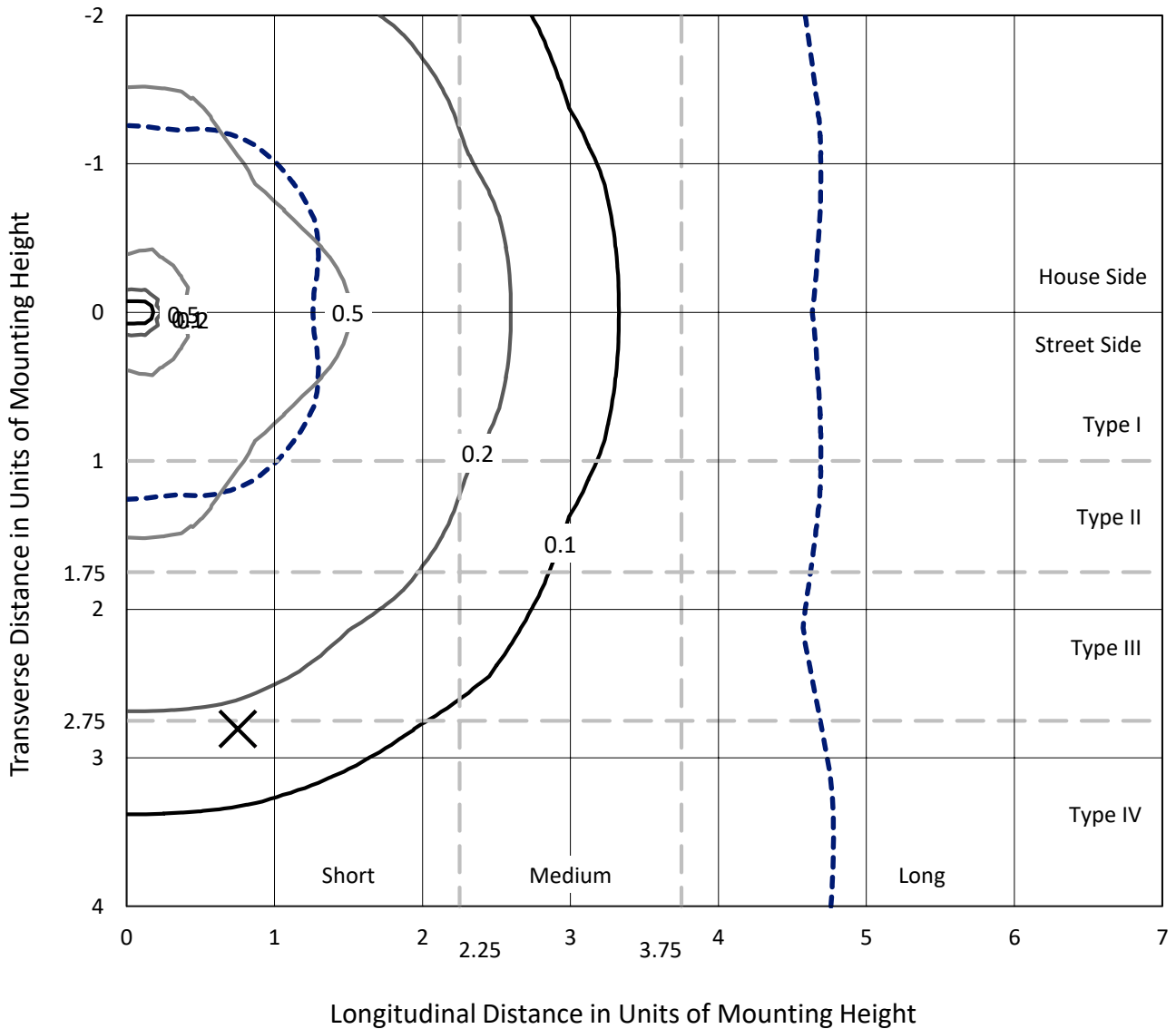
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

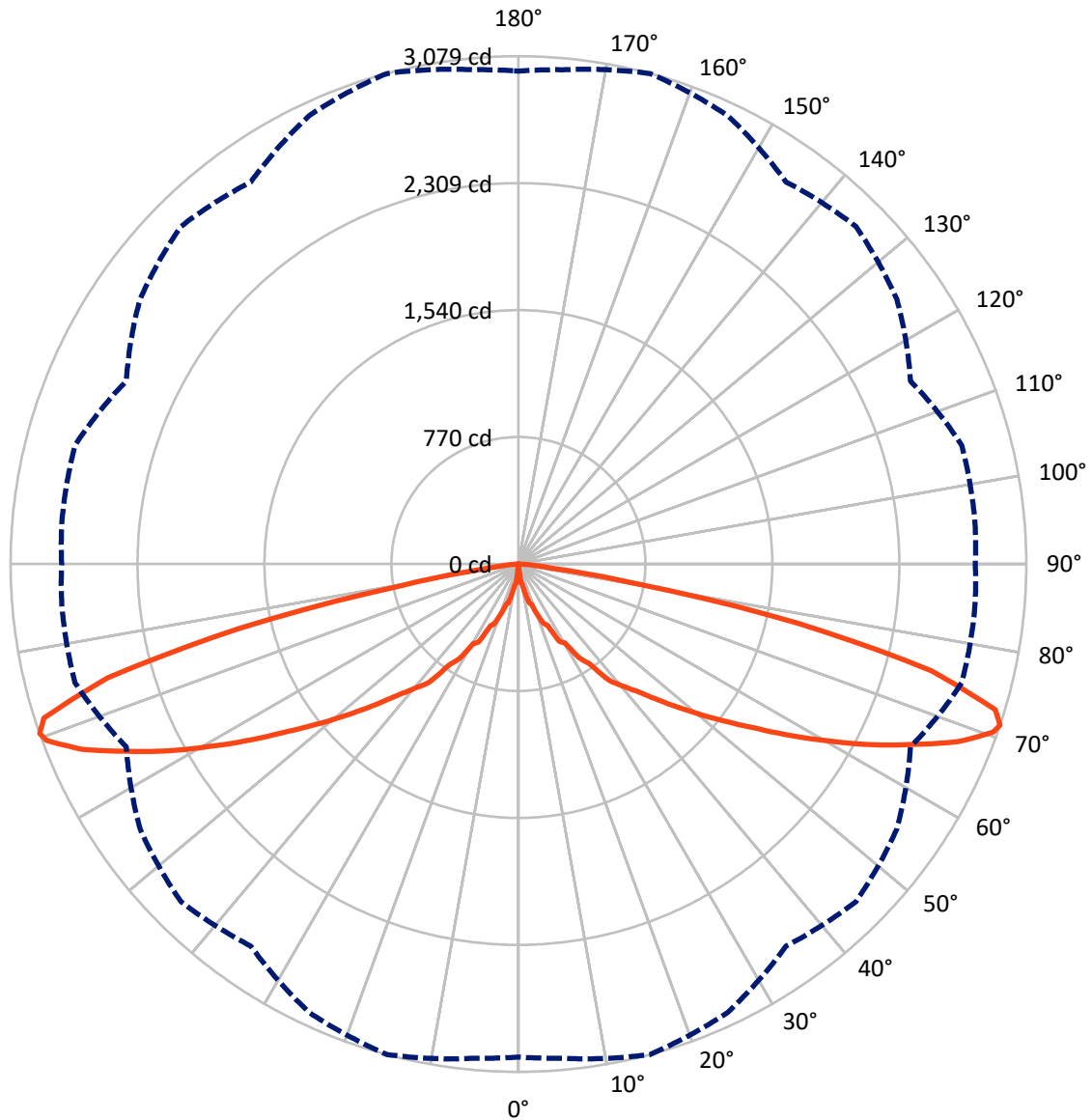
× Max cd  
 - - - 1/2 Max cd



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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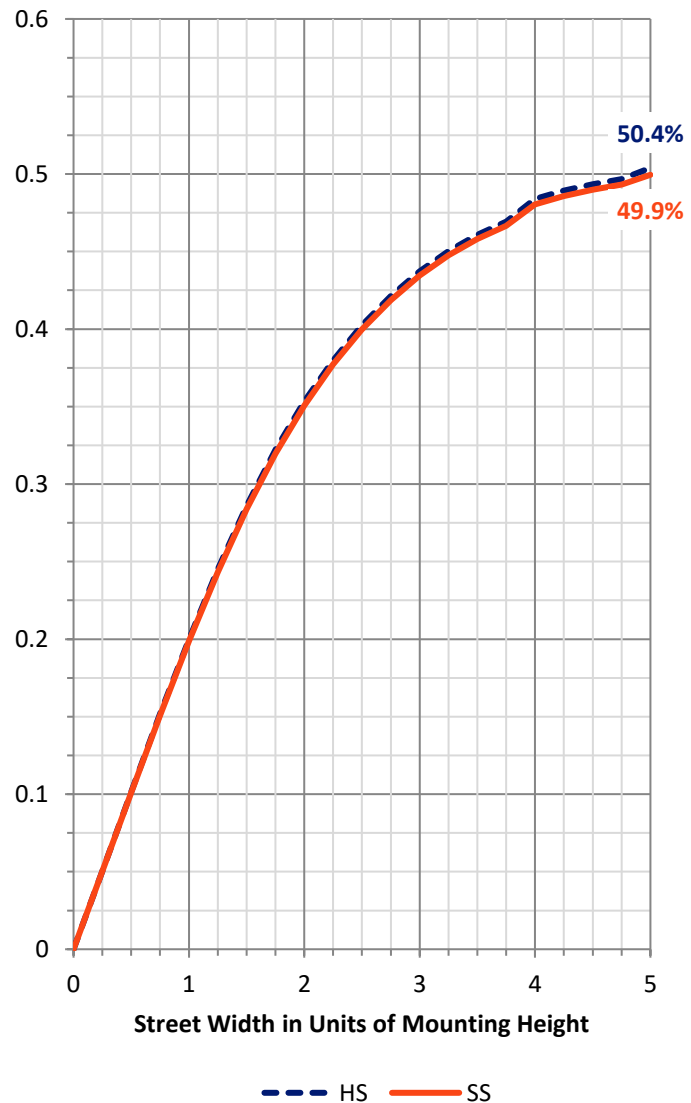
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4173.0	0.0	4173.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4173.0	0.0	4173.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8346.0	0.0	8346.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.0
10°-20°	55.4	0.7
20°-30°	209.1	2.5
30°-40°	473.4	5.7
40°-50°	846.0	10.1
50°-60°	1488.9	17.8
60°-70°	2463.1	29.5
70°-80°	2490.8	29.8
80°-90°	315.6	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°	8346.0	100.0
0°-180°	8346.0	100.0



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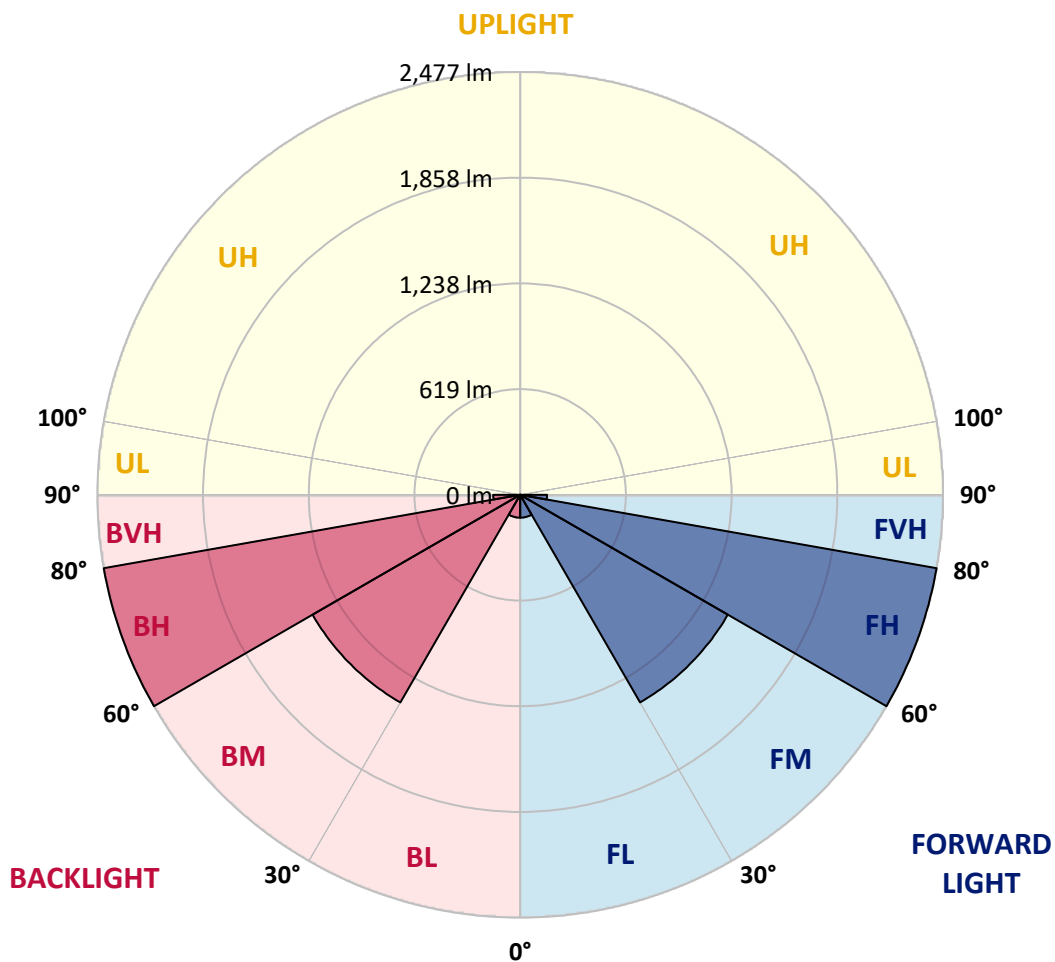
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.1	1.6			
FM (30°-60°)	1404.2	16.8			
FH (60°-80°)	2477.0	29.7			G2/5000
FVH (80°-90°)	157.8	1.9			G2/225
BL (0°-30°)	134.1	1.6	B1/500		
BM (30°-60°)	1404.2	16.8	B2/2500		
BH (60°-80°)	2477.0	29.7	B3/2500		G2/5000
BVH (80°-90°)	157.8	1.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	0.9	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°	51.4	36.8	18.0	14.6	10.3	3.4	1.7	1.7	1.7	0.9	0.9
7.5°	115.7	114.8	113.1	98.5	69.4	51.4	11.1	2.6	1.7	1.7	1.7
10°	128.5	127.7	126.8	124.2	120.8	109.7	57.4	11.1	4.3	5.1	5.1
12.5°	185.1	184.2	176.5	137.1	125.1	122.5	103.7	53.1	45.4	85.7	90.8
15°	252.7	251.9	243.3	209.1	179.1	131.9	171.4	190.2	169.6	187.6	187.6
17.5°	268.2	265.6	257.0	248.5	236.5	229.6	252.7	243.3	188.5	201.3	201.3
20°	360.7	342.7	325.6	276.7	256.2	335.9	272.5	265.6	298.2	352.1	361.6
22.5°	400.1	399.3	390.7	368.4	364.1	352.1	339.3	386.4	394.1	401.0	403.5
25°	471.2	466.1	413.0	395.0	452.4	385.6	457.5	418.1	431.8	495.2	502.1
27.5°	544.1	542.3	531.2	473.8	473.8	512.4	481.5	505.5	575.8	600.6	610.0
30°	608.3	575.8	555.2	564.6	525.2	549.2	550.9	592.0	609.2	640.9	649.4
32.5°	714.6	712.0	678.6	615.2	616.9	581.8	629.7	626.3	766.0	837.9	856.8
35°	792.5	798.5	742.0	717.1	658.9	693.1	673.4	761.7	807.1	889.3	901.3
37.5°	945.9	945.0	898.8	775.4	733.4	732.5	768.5	801.1	869.6	945.0	952.7
40°	1011.9	1010.1	971.6	898.8	790.8	798.5	819.1	849.1	925.3	1011.0	1015.3
42.5°	1103.5	1095.0	1055.6	958.7	900.5	885.1	890.2	927.0	999.9	1101.8	1097.5
45°	1196.1	1198.6	1164.4	1053.8	996.4	964.7	974.2	1023.0	1104.4	1205.5	1204.6
47.5°	1308.3	1311.7	1295.4	1157.5	1107.0	1063.3	1081.3	1130.1	1219.2	1317.7	1316.0
50°	1447.1	1446.2	1435.1	1284.3	1232.0	1189.2	1202.9	1244.0	1338.3	1436.0	1446.2
52.5°	1588.5	1591.9	1590.2	1437.7	1380.3	1339.1	1352.0	1390.6	1482.2	1579.9	1588.5
55°	1747.8	1764.1	1762.4	1635.6	1545.6	1534.5	1542.2	1550.8	1651.9	1747.0	1748.7
57.5°	1944.9	1952.6	1968.0	1859.2	1758.1	1752.1	1737.5	1734.1	1833.5	1912.3	1900.3
60°	2149.7	2157.4	2182.2	2112.0	2000.6	2012.6	1964.6	1912.3	2007.4	2070.8	2064.0
62.5°	2345.9	2363.9	2412.7	2356.1	2253.3	2290.2	2198.5	2110.2	2198.5	2250.8	2240.5
65°	2556.6	2578.9	2636.3	2614.0	2467.5	2545.5	2447.8	2300.5	2420.4	2446.1	2447.8
67.5°	2788.8	2806.8	2875.4	2835.1	2653.4	2737.4	2656.9	2487.2	2619.2	2609.7	2600.3
70°	2967.9	2990.2	3053.6	2969.6	2788.8	2859.1	2779.4	2605.5	2758.8	2764.0	2756.3
71°	2989.3	3008.2	3079.3	3000.4	2828.2	2894.2	2800.8	2623.5	2782.8	2779.4	2770.0
72.5°	2918.2	2941.3	3025.3	2974.7	2859.1	2937.9	2800.0	2594.3	2748.5	2716.8	2704.0
75°	2471.8	2483.8	2586.6	2679.1	2747.7	2919.0	2644.0	2365.6	2468.4	2419.5	2413.5
77.5°	1501.9	1532.8	1738.4	2022.0	2352.7	2627.7	2300.5	1913.2	1872.9	1728.1	1671.6
80°	518.4	572.3	735.1	1034.1	1582.5	2030.6	1621.9	1169.5	874.8	658.9	609.2
82.5°	86.5	125.9	191.1	323.9	711.1	1154.1	801.1	386.4	251.0	175.6	169.6
85°	29.1	34.3	72.8	90.0	166.2	317.9	186.8	107.1	92.5	59.1	54.8
87.5°	4.3	6.0	9.4	10.3	14.6	8.6	15.4	16.3	12.9	8.6	5.1
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)