

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: P417105

Luminaire Tested: **LXF.LXT-PA1-90-730-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417105  
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-PA1-90-730-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 9565 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G2

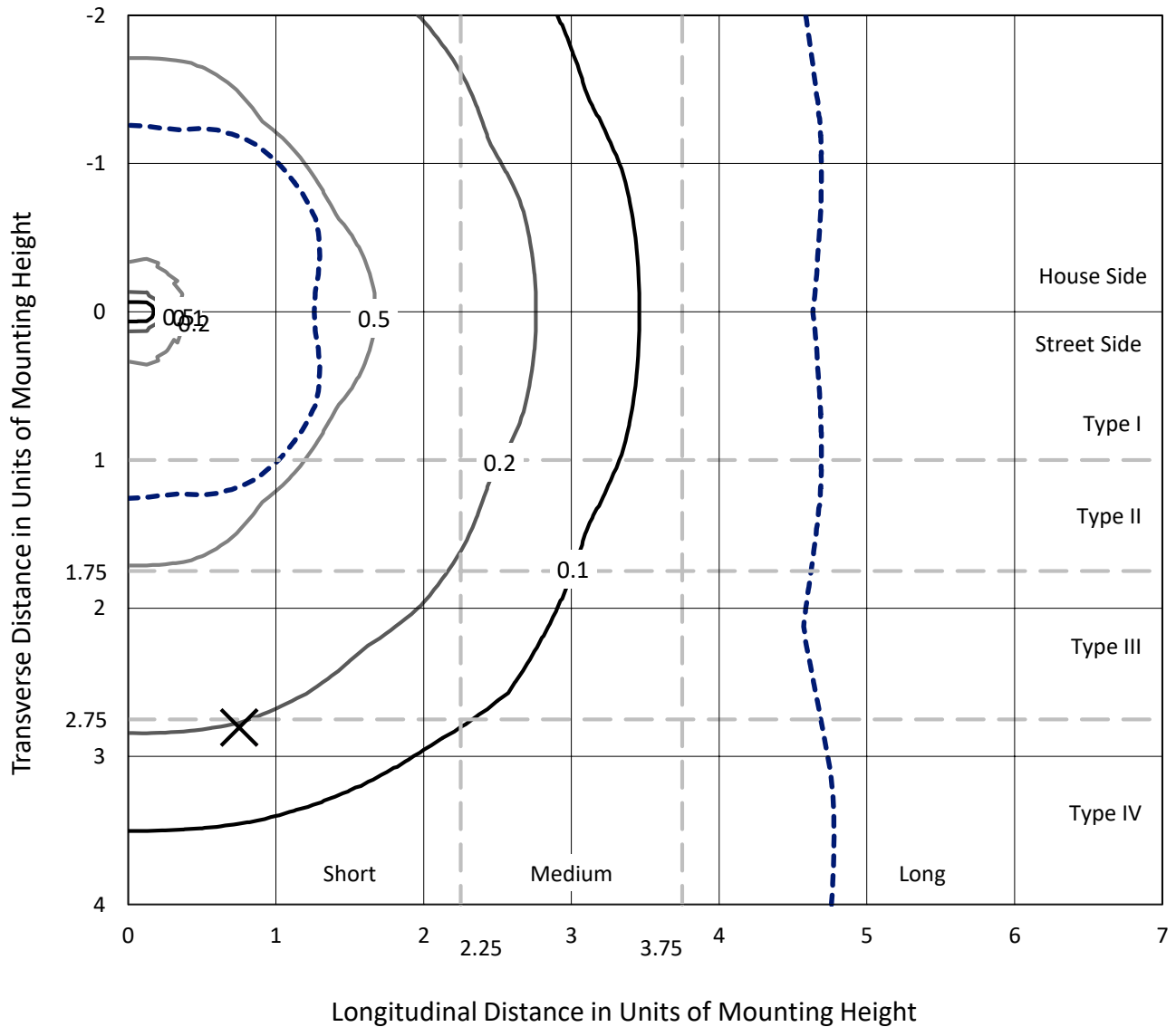
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

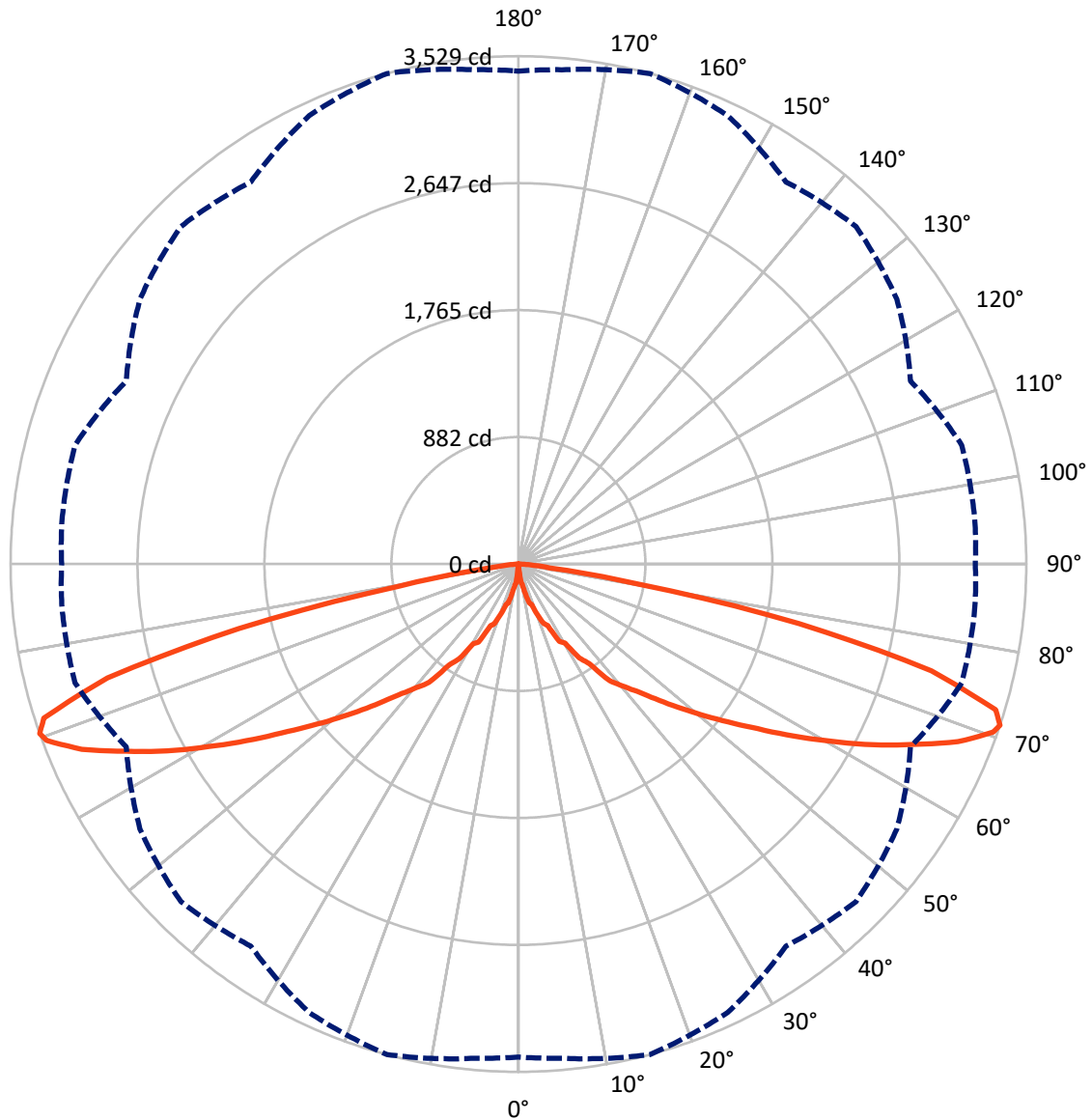
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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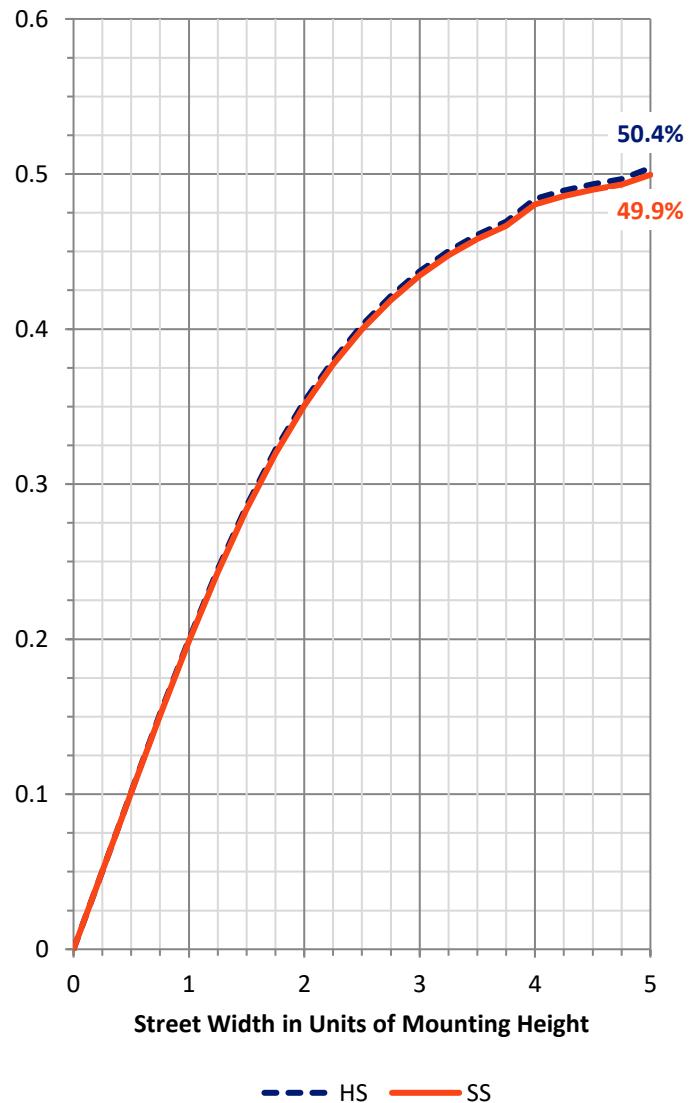
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4782.5	0.0	4782.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4782.5	0.0	4782.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9565.0	0.0	9565.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	0.0
10°-20°	63.4	0.7
20°-30°	239.6	2.5
30°-40°	542.6	5.7
40°-50°	969.6	10.1
50°-60°	1706.4	17.8
60°-70°	2822.8	29.5
70°-80°	2854.7	29.8
80°-90°	361.7	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°	9565.0	100.0
0°-180°	9565.0	100.0



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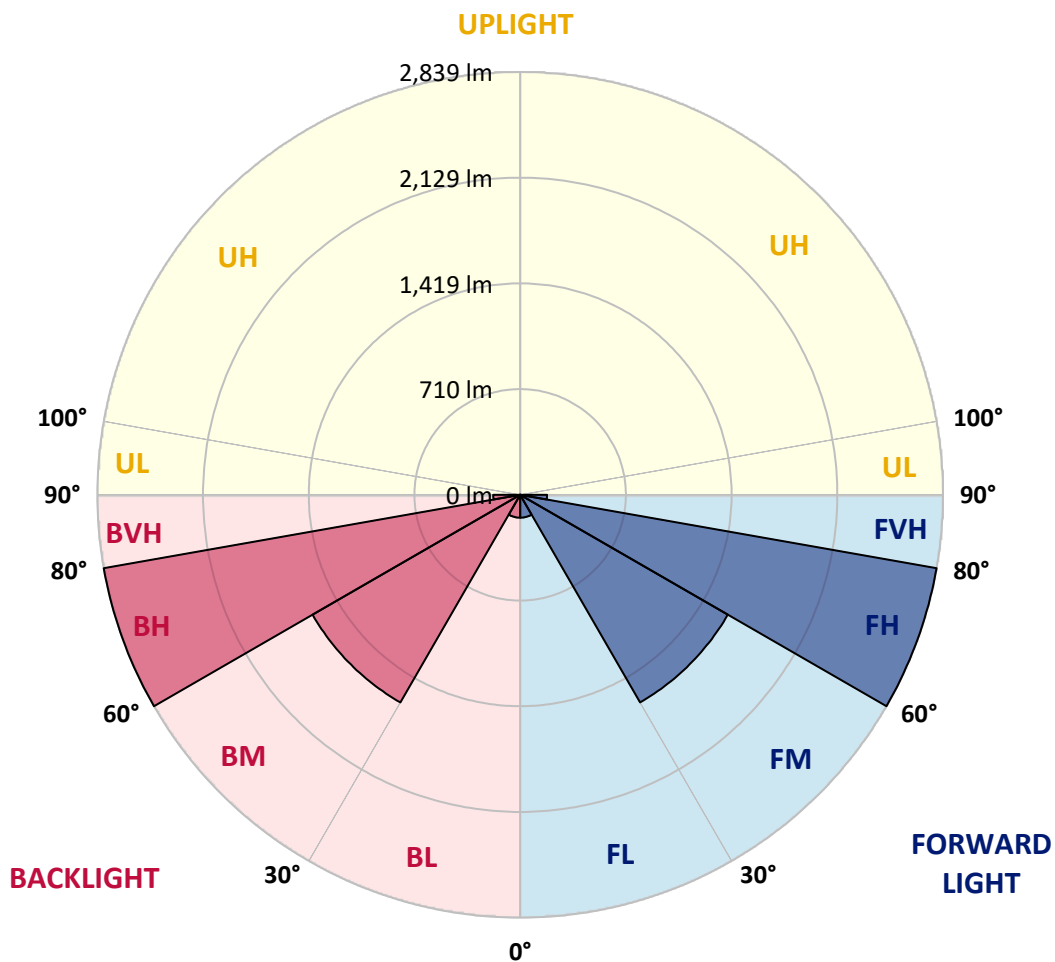
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.6	1.6			
FM	(30°-60°)	1609.3	16.8			
FH	(60°-80°)	2838.7	29.7			G2/5000
FVH	(80°-90°)	180.8	1.9			G2/225
BL	(0°-30°)	153.6	1.6	B1/500		
BM	(30°-60°)	1609.3	16.8	B2/2500		
BH	(60°-80°)	2838.7	29.7	B4/5000		G2/5000
BVH	(80°-90°)	180.8	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.9	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	58.9	42.2	20.6	16.7	11.8	3.9	2.0	2.0	2.0	1.0	1.0
7.5°	132.6	131.6	129.6	112.9	79.5	58.9	12.8	2.9	2.0	2.0	2.0
10°	147.3	146.3	145.3	142.4	138.5	125.7	65.8	12.8	4.9	5.9	5.9
12.5°	212.1	211.1	202.3	157.1	143.4	140.4	118.8	60.9	52.0	98.2	104.1
15°	289.7	288.7	278.9	239.6	205.2	151.2	196.4	218.0	194.4	215.0	215.0
17.5°	307.3	304.4	294.6	284.8	271.0	263.2	289.7	278.9	216.0	230.8	230.8
20°	413.4	392.8	373.1	317.2	293.6	384.9	312.3	304.4	341.7	403.6	414.4
22.5°	458.6	457.6	447.8	422.2	417.3	403.6	388.8	442.8	451.7	459.5	462.5
25°	540.1	534.2	473.3	452.7	518.5	441.9	524.3	479.2	494.9	567.5	575.4
27.5°	623.5	621.6	608.8	543.0	543.0	587.2	551.8	579.3	659.8	688.3	699.1
30°	697.2	659.8	636.3	647.1	601.9	629.4	631.4	678.5	698.1	734.5	744.3
32.5°	818.9	816.0	777.7	705.0	707.0	666.7	721.7	717.8	877.8	960.3	981.9
35°	908.3	915.1	850.3	821.9	755.1	794.4	771.8	872.9	925.0	1019.2	1033.0
37.5°	1084.0	1083.1	1030.0	888.6	840.5	839.5	880.8	918.1	996.6	1083.1	1091.9
40°	1159.6	1157.7	1113.5	1030.0	906.3	915.1	938.7	973.1	1060.5	1158.7	1163.6
42.5°	1264.7	1254.9	1209.7	1098.8	1032.0	1014.3	1020.2	1062.4	1145.9	1262.7	1257.8
45°	1370.8	1373.7	1334.4	1207.8	1142.0	1105.6	1116.4	1172.4	1265.7	1381.6	1380.6
47.5°	1499.4	1503.3	1484.7	1326.6	1268.6	1218.6	1239.2	1295.2	1397.3	1510.2	1508.2
50°	1658.5	1657.5	1644.7	1471.9	1412.0	1362.9	1378.6	1425.7	1533.8	1645.7	1657.5
52.5°	1820.5	1824.4	1822.4	1647.7	1581.9	1534.7	1549.5	1593.7	1698.7	1810.7	1820.5
55°	2003.1	2021.8	2019.8	1874.5	1771.4	1758.6	1767.5	1777.3	1893.1	2002.1	2004.1
57.5°	2229.0	2237.8	2255.5	2130.8	2014.9	2008.0	1991.3	1987.4	2101.3	2191.6	2177.9
60°	2463.6	2472.5	2500.9	2420.4	2292.8	2306.5	2251.5	2191.6	2300.6	2373.3	2365.4
62.5°	2688.5	2709.1	2765.1	2700.3	2582.4	2624.7	2519.6	2418.5	2519.6	2579.5	2567.7
65°	2930.0	2955.6	3021.4	2995.8	2827.9	2917.3	2805.3	2636.5	2773.9	2803.4	2805.3
67.5°	3196.1	3216.8	3295.3	3249.2	3041.0	3137.2	3044.9	2850.5	3001.7	2990.9	2980.1
70°	3401.4	3426.9	3499.6	3403.3	3196.1	3276.7	3185.3	2986.0	3161.8	3167.7	3158.8
71°	3425.9	3447.5	3529.0	3438.7	3241.3	3316.9	3209.9	3006.6	3189.3	3185.3	3174.5
72.5°	3344.4	3370.9	3467.2	3409.2	3276.7	3367.0	3208.9	2973.2	3150.0	3113.7	3098.9
75°	2832.8	2846.6	2964.4	3070.5	3149.0	3345.4	3030.2	2711.1	2828.9	2772.9	2766.1
77.5°	1721.3	1756.7	1992.3	2317.3	2696.3	3011.5	2636.5	2192.6	2146.5	1980.5	1915.7
80°	594.1	655.9	842.5	1185.2	1813.6	2327.1	1858.8	1340.3	1002.5	755.1	698.1
82.5°	99.2	144.3	219.0	371.2	815.0	1322.6	918.1	442.8	287.7	201.3	194.4
85°	33.4	39.3	83.5	103.1	190.5	364.3	214.1	122.7	106.0	67.8	62.8
87.5°	4.9	6.9	10.8	11.8	16.7	9.8	17.7	18.7	14.7	9.8	5.9
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)