

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: P416949

Luminaire Tested: **LXF.LXT-PA1-80-830-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416949  
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-PA1-80-830-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7741 lumens  
Efficiency: N/A  
Efficacy: 93.3 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

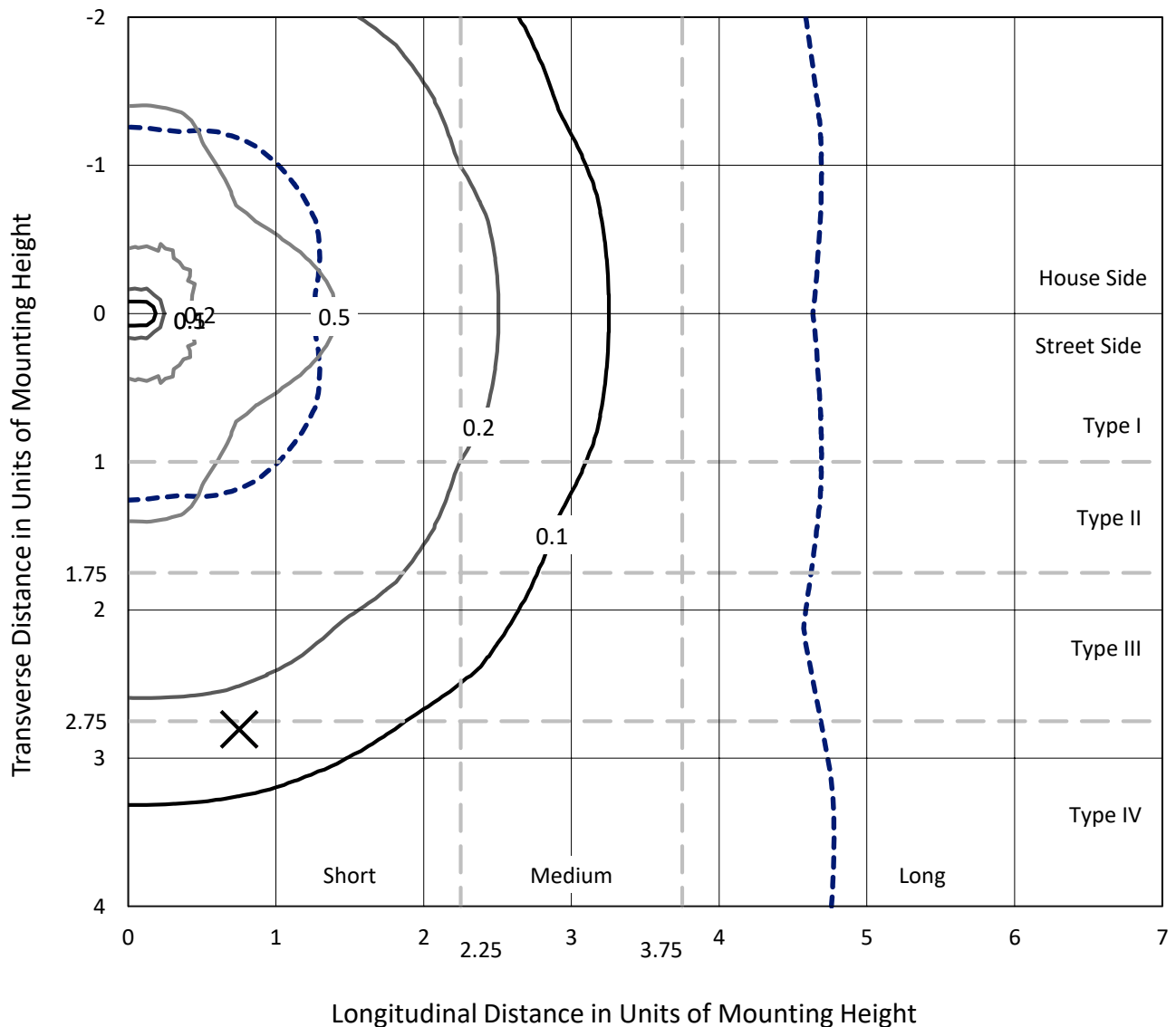
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

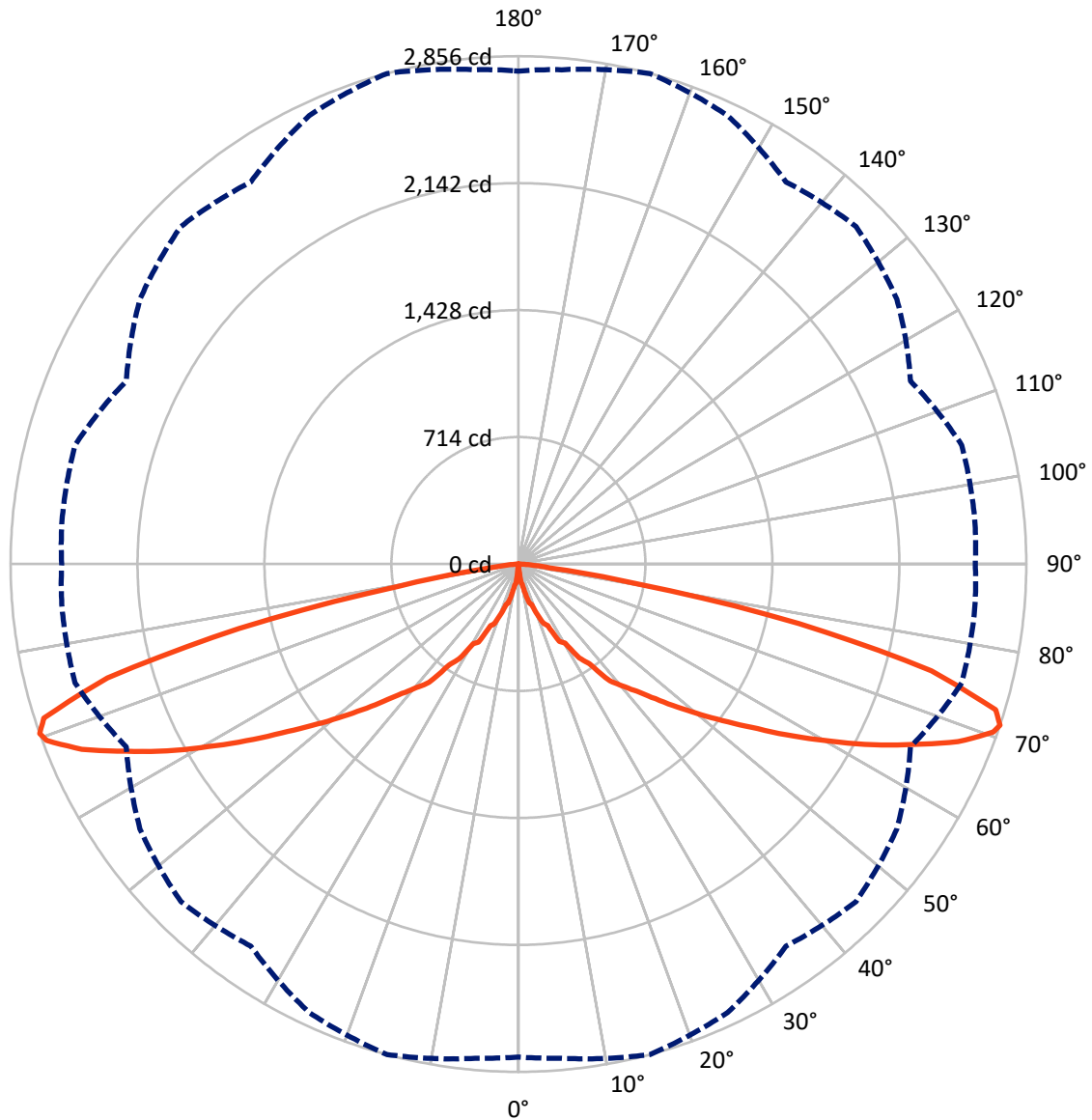
✕ Max cd  
 - - - 1/2 Max cd



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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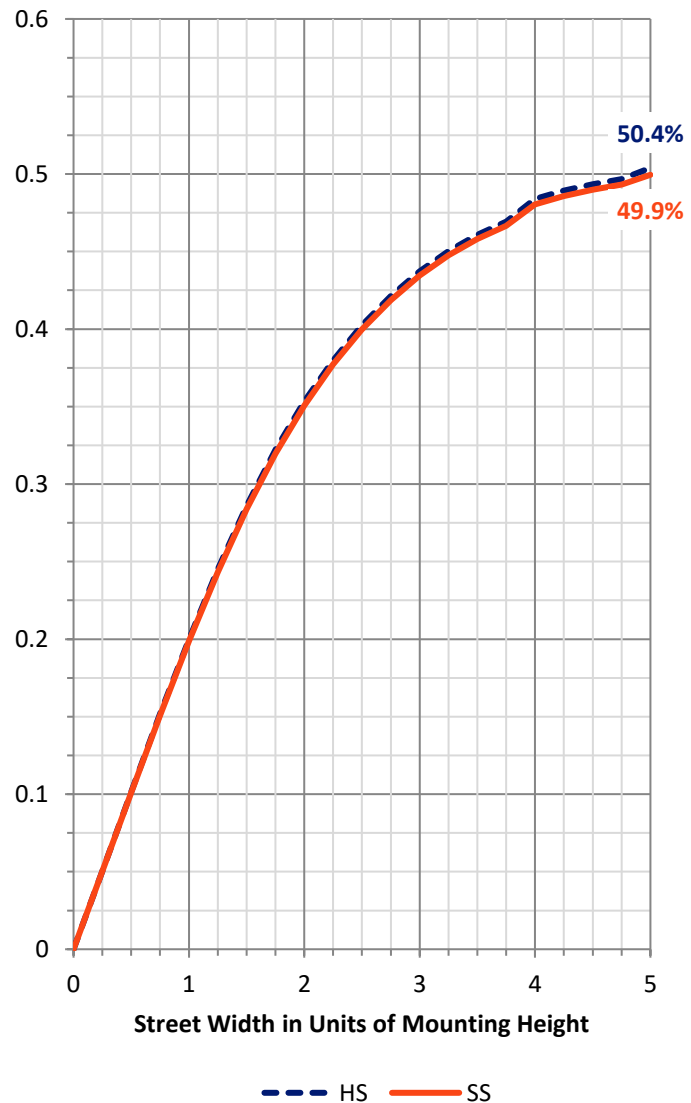
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3870.5	0.0	3870.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3870.5	0.0	3870.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7741.0	0.0	7741.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.0
10°-20°	51.3	0.7
20°-30°	193.9	2.5
30°-40°	439.1	5.7
40°-50°	784.7	10.1
50°-60°	1381.0	17.8
60°-70°	2284.5	29.5
70°-80°	2310.3	29.8
80°-90°	292.7	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°	7741.0	100.0
0°-180°	7741.0	100.0



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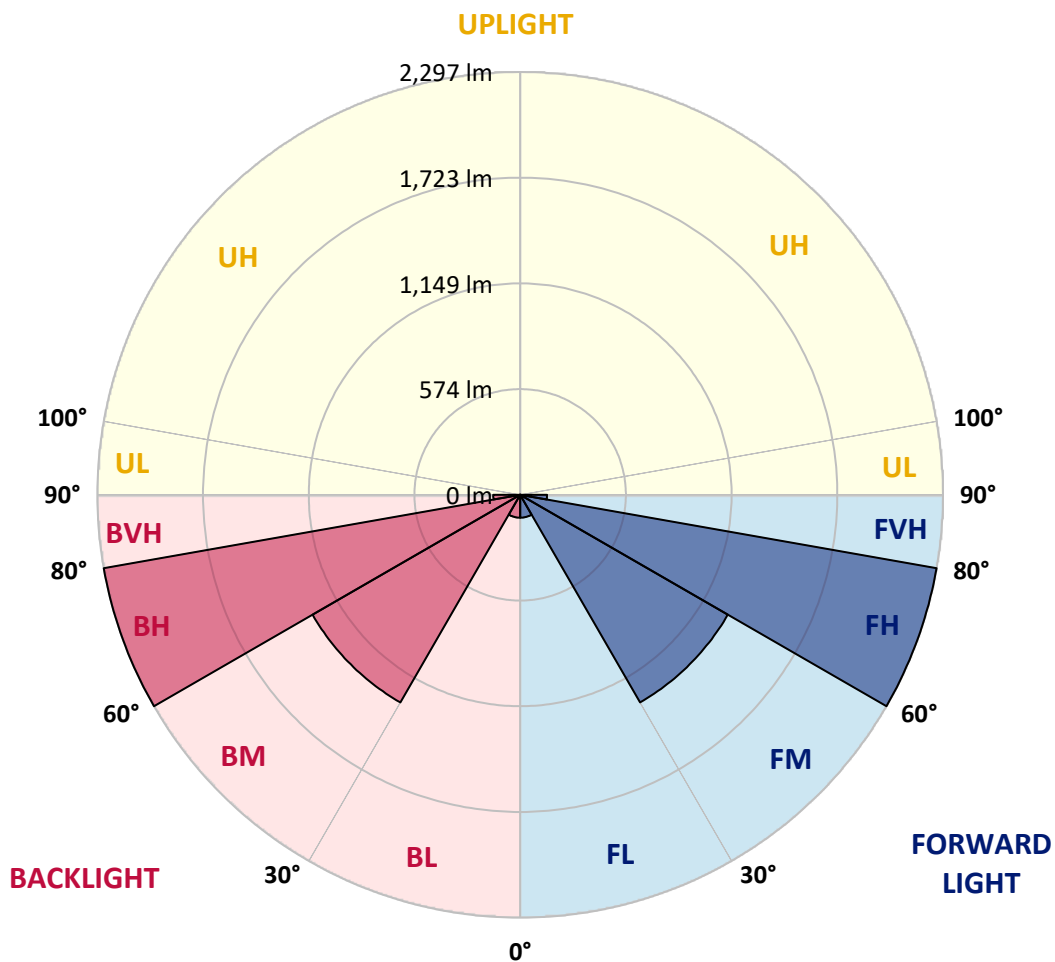
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.3	1.6			
FM	(30°-60°)	1302.4	16.8			
FH	(60°-80°)	2297.4	29.7			G2/5000
FVH	(80°-90°)	146.3	1.9			G2/225
BL	(0°-30°)	124.3	1.6	B1/500		
BM	(30°-60°)	1302.4	16.8	B2/2500		
BH	(60°-80°)	2297.4	29.7	B3/2500		G2/5000
BVH	(80°-90°)	146.3	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°	2.4	2.4	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
5°	47.7	34.2	16.7	13.5	9.5	3.2	1.6	1.6	1.6	0.8	0.8
7.5°	107.3	106.5	104.9	91.4	64.4	47.7	10.3	2.4	1.6	1.6	1.6
10°	119.2	118.4	117.6	115.2	112.0	101.7	53.2	10.3	4.0	4.8	4.8
12.5°	171.6	170.9	163.7	127.1	116.0	113.6	96.2	49.3	42.1	79.5	84.2
15°	234.4	233.6	225.7	193.9	166.1	122.4	158.9	176.4	157.3	174.0	174.0
17.5°	248.7	246.3	238.4	230.5	219.3	213.0	234.4	225.7	174.8	186.7	186.7
20°	334.6	317.9	302.0	256.7	237.6	311.5	252.7	246.3	276.5	326.6	335.4
22.5°	371.1	370.3	362.4	341.7	337.7	326.6	314.7	358.4	365.5	371.9	374.3
25°	437.1	432.3	383.0	366.3	419.6	357.6	424.4	387.8	400.5	459.3	465.7
27.5°	504.6	503.0	492.7	439.5	439.5	475.2	446.6	468.9	534.0	557.1	565.8
30°	564.2	534.0	514.9	523.7	487.1	509.4	511.0	549.1	565.0	594.4	602.4
32.5°	662.8	660.4	629.4	570.6	572.2	539.6	584.1	580.9	710.4	777.2	794.7
35°	735.1	740.6	688.2	665.1	611.1	642.9	624.6	706.5	748.6	824.9	836.0
37.5°	877.3	876.5	833.6	719.2	680.2	679.4	712.8	743.0	806.6	876.5	883.7
40°	938.5	936.9	901.2	833.6	733.5	740.6	759.7	787.5	858.2	937.7	941.7
42.5°	1023.5	1015.6	979.0	889.2	835.2	820.9	825.7	859.8	927.4	1021.9	1018.0
45°	1109.4	1111.7	1080.0	977.4	924.2	894.8	903.5	948.8	1024.3	1118.1	1117.3
47.5°	1213.5	1216.6	1201.5	1073.6	1026.7	986.2	1002.9	1048.2	1130.8	1222.2	1220.6
50°	1342.2	1341.4	1331.1	1191.2	1142.7	1103.0	1115.7	1153.9	1241.3	1331.9	1341.4
52.5°	1473.3	1476.5	1474.9	1333.5	1280.2	1242.1	1254.0	1289.8	1374.8	1465.4	1473.3
55°	1621.1	1636.2	1634.6	1517.0	1433.6	1423.3	1430.4	1438.4	1532.1	1620.3	1621.9
57.5°	1803.9	1811.1	1825.4	1724.4	1630.7	1625.1	1611.6	1608.4	1700.6	1773.7	1762.6
60°	1993.8	2001.0	2024.0	1958.9	1855.6	1866.7	1822.2	1773.7	1861.9	1920.7	1914.4
62.5°	2175.8	2192.5	2237.8	2185.3	2090.0	2124.2	2039.1	1957.3	2039.1	2087.6	2078.1
65°	2371.3	2392.0	2445.2	2424.5	2288.7	2361.0	2270.4	2133.7	2244.9	2268.8	2270.4
67.5°	2586.7	2603.3	2666.9	2629.6	2461.1	2539.0	2464.3	2306.9	2429.3	2420.6	2411.8
70°	2752.7	2773.4	2832.2	2754.3	2586.7	2651.8	2577.9	2416.6	2558.8	2563.6	2556.5
71°	2772.6	2790.1	2856.0	2782.9	2623.2	2684.4	2597.8	2433.3	2581.1	2577.9	2569.2
72.5°	2706.7	2728.1	2806.0	2759.1	2651.8	2724.9	2597.0	2406.3	2549.3	2519.9	2508.0
75°	2292.6	2303.8	2399.1	2484.9	2548.5	2707.4	2452.4	2194.1	2289.4	2244.2	2238.6
77.5°	1393.1	1421.7	1612.4	1875.4	2182.2	2437.3	2133.7	1774.5	1737.2	1602.9	1550.4
80°	480.8	530.8	681.8	959.2	1467.8	1883.4	1504.3	1084.7	811.4	611.1	565.0
82.5°	80.3	116.8	177.2	300.4	659.6	1070.4	743.0	358.4	232.8	162.9	157.3
85°	27.0	31.8	67.5	83.4	154.2	294.8	173.2	99.3	85.8	54.8	50.9
87.5°	4.0	5.6	8.7	9.5	13.5	7.9	14.3	15.1	11.9	7.9	4.8
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)