

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: P254525

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-5WQ-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8596.5 lumens  
Efficiency: N/A  
Efficacy: 89.5 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 - U3 - G3

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

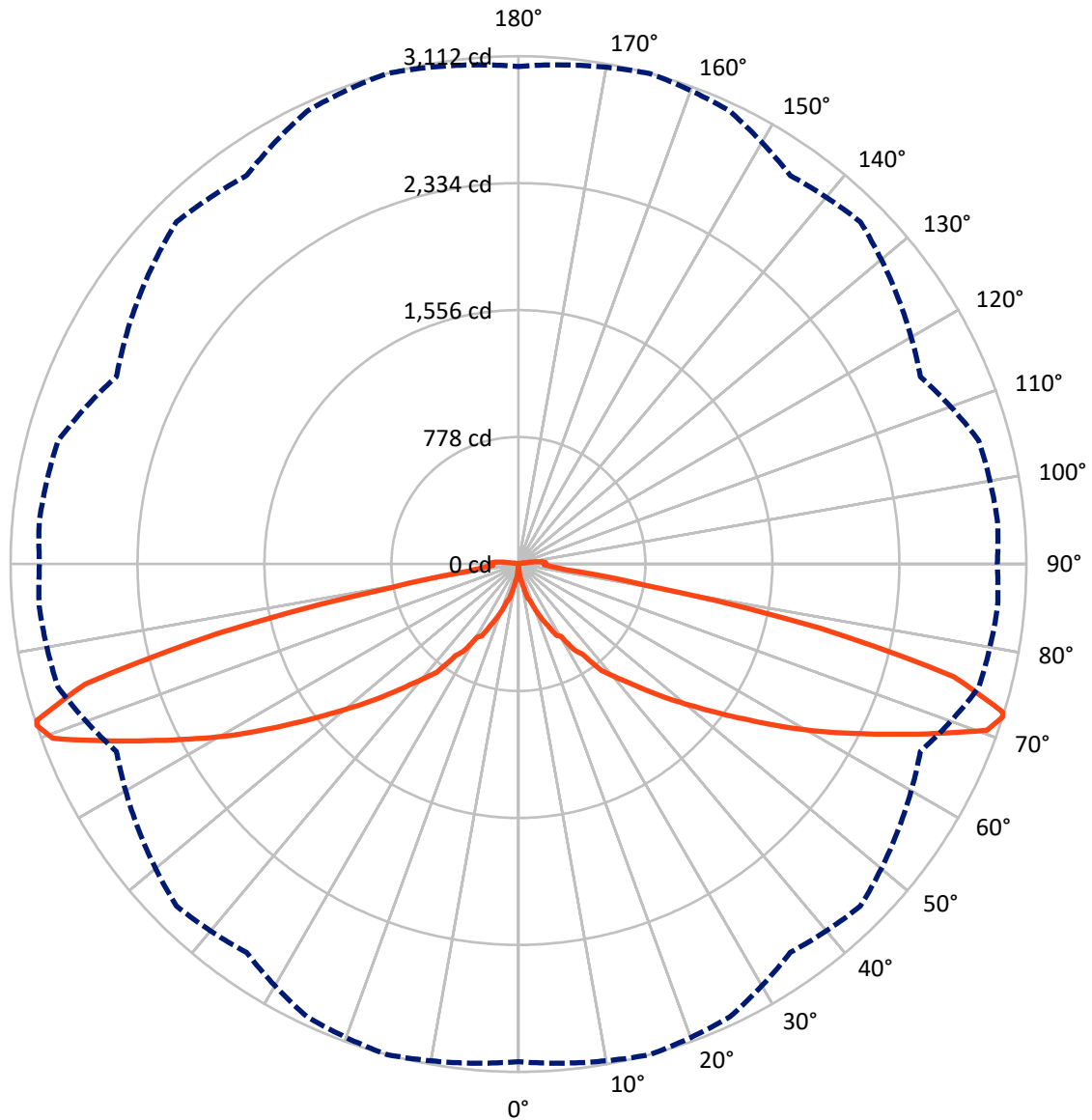




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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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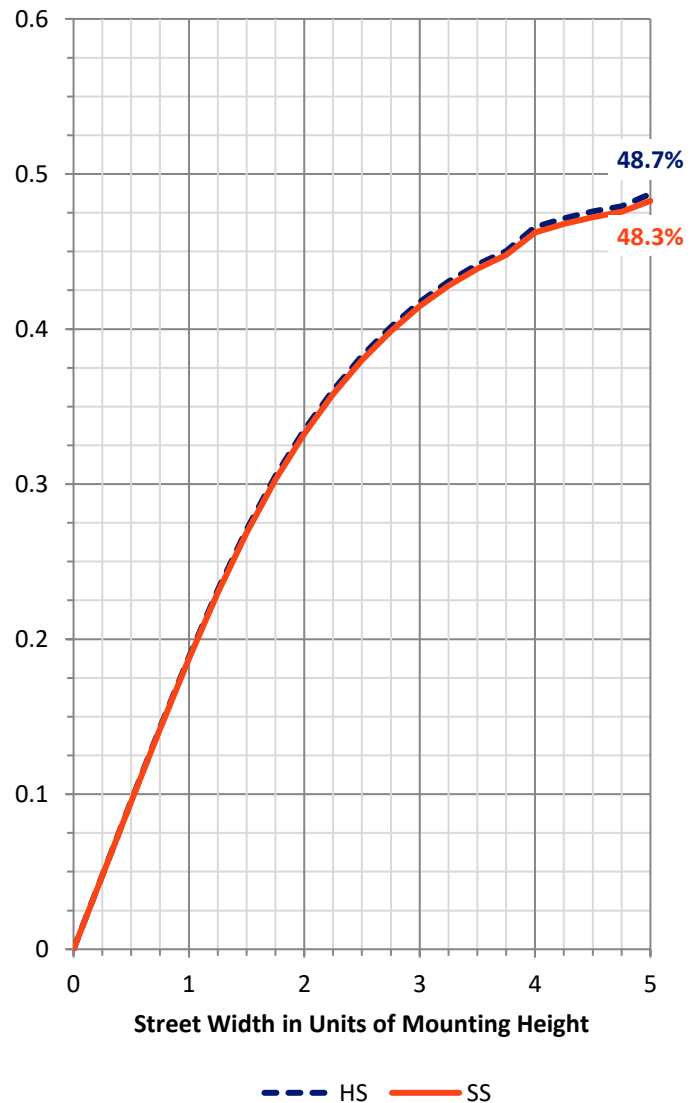
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4201.3	96.9	4298.2
	% Fixture	48.9	1.1	50.0
<b>Street Side</b>	Lumens	4201.3	96.9	4298.2
	% Fixture	48.9	1.1	50.0
<b>Total</b>	Lumens	8402.6	193.9	8596.5
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	51.7	0.6
20°-30°	194.6	2.3
30°-40°	439.9	5.1
40°-50°	799.2	9.3
50°-60°	1433.1	16.7
60°-70°	2422.1	28.2
70°-80°	2602.1	30.3
80°-90°	456.2	5.3
90°-100°	158.6	1.8
100°-110°	21.0	0.2
110°-120°	6.0	0.1
120°-130°	3.7	0.0
130°-140°	2.2	0.0
140°-150°	1.8	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8402.6	97.7
0°-180°	8596.5	100.0



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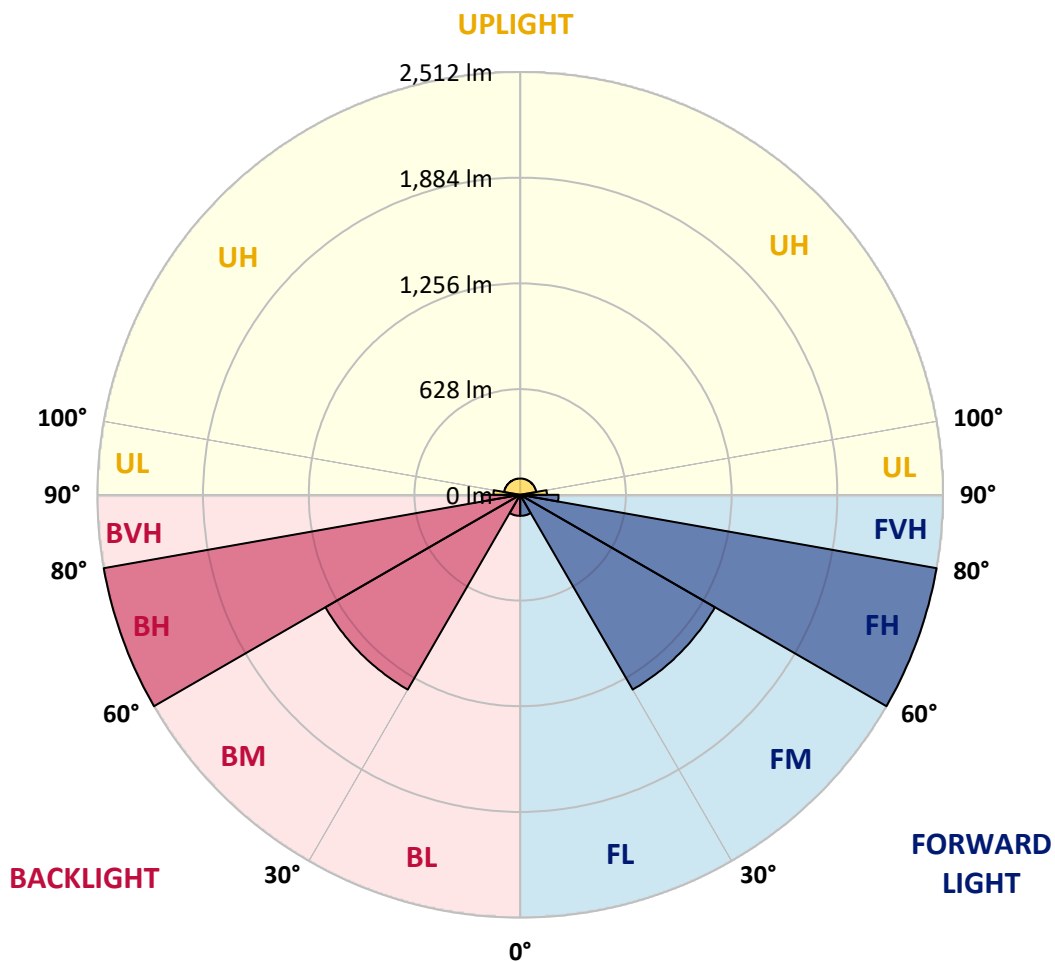
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.0	1.5			
FM (30°-60°)	1336.1	15.5			
FH (60°-80°)	2512.1	29.2			G2/5000
FVH (80°-90°)	228.1	2.7			G3/500
BL (0°-30°)	125.0	1.5	B1/500		
BM (30°-60°)	1336.1	15.5	B2/2500		
BH (60°-80°)	2512.1	29.2	B4/5000		G2/5000
BVH (80°-90°)	228.1	2.7			G3/500
UL (90°-100°)	158.6	1.8		U3/500	
UH (100°-180°)	96.9	1.1		U3/500	

**BUG Rating: B4-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	7.7	7.7	7.7	6.8	6.8	6.8	6.8	5.8	6.8	6.8	6.8
5°	43.4	45.5	40.7	39.7	18.3	14.5	8.7	6.8	6.8	6.8	6.8
7.5°	97.7	97.7	94.8	85.1	62.9	52.2	29.1	10.6	7.7	6.8	6.8
10°	112.2	110.3	105.4	105.4	101.6	92.9	55.1	26.1	11.6	10.6	10.6
12.5°	170.2	170.2	155.7	143.1	113.2	102.4	87.1	62.0	63.8	102.4	117.0
15°	227.3	227.3	218.6	203.1	161.4	119.9	156.7	183.8	155.7	167.3	168.3
17.5°	252.5	251.6	240.0	226.3	208.9	230.2	217.7	210.9	183.8	184.7	188.6
20°	350.1	346.3	302.7	277.6	243.7	295.0	259.3	242.8	310.6	333.7	341.4
22.5°	374.3	371.4	359.8	336.6	352.1	316.3	319.1	351.2	356.9	368.5	371.4
25°	443.0	442.1	414.9	373.3	405.3	361.7	411.1	375.3	398.5	464.3	489.5
27.5°	505.9	503.9	494.3	446.9	427.5	469.2	438.1	487.6	538.7	553.3	564.9
30°	566.8	563.9	514.6	521.3	476.8	497.1	533.9	542.6	562.0	599.8	601.6
32.5°	664.6	657.7	624.9	580.3	567.8	532.0	573.6	575.5	709.9	779.6	796.1
35°	762.2	755.4	681.9	661.6	618.1	631.6	614.2	702.2	757.3	823.2	834.7
37.5°	889.9	883.2	827.9	732.2	689.7	670.3	714.8	750.6	798.0	886.0	885.0
40°	959.6	956.6	906.3	830.9	759.3	737.1	760.2	792.1	865.7	945.0	953.8
42.5°	1042.7	1035.9	996.2	908.3	848.3	814.4	809.6	872.4	950.8	1035.0	1036.9
45°	1143.3	1133.7	1105.6	989.5	930.5	903.5	902.5	968.2	1059.2	1143.3	1153.0
47.5°	1256.5	1247.7	1229.3	1094.0	1036.9	1002.1	1024.3	1066.0	1158.8	1259.3	1270.0
50°	1378.3	1373.5	1358.0	1228.4	1181.0	1125.0	1150.1	1176.1	1287.4	1384.1	1387.0
52.5°	1508.9	1511.8	1505.0	1379.3	1327.1	1286.4	1314.5	1309.7	1417.9	1530.1	1527.3
55°	1672.4	1672.4	1675.3	1572.8	1521.6	1450.9	1499.2	1487.7	1586.3	1686.0	1683.0
57.5°	1856.2	1857.1	1865.8	1784.6	1741.0	1683.0	1715.0	1692.8	1755.6	1842.6	1833.9
60°	2041.0	2048.6	2075.7	2041.0	1984.8	1935.5	1980.0	1868.8	1945.2	2025.4	2012.9
62.5°	2231.5	2243.1	2283.7	2277.0	2217.0	2195.7	2232.3	2087.3	2188.9	2207.2	2194.7
65°	2452.0	2454.9	2512.0	2514.8	2424.9	2466.5	2454.0	2292.4	2435.5	2419.1	2417.2
67.5°	2696.7	2717.1	2769.2	2745.0	2625.2	2659.9	2639.6	2485.8	2635.8	2631.0	2622.2
70°	2996.6	3005.2	3046.9	2957.8	2785.7	2833.1	2776.1	2646.4	2852.4	2887.2	2878.6
72°	3048.8	3070.0	3111.7	3062.3	2904.6	2963.6	2840.8	2717.1	2920.2	2947.3	2934.7
72.5°	3035.2	3052.7	3101.0	3059.5	2919.2	2983.0	2848.6	2715.1	2902.7	2930.8	2915.4
75°	2645.5	2643.5	2754.8	2832.1	2882.5	3071.1	2810.8	2564.2	2589.3	2584.5	2560.4
77.5°	1684.0	1736.2	1885.2	2139.7	2513.9	2857.2	2490.7	2054.4	1840.7	1715.9	1662.7
80°	587.2	627.8	788.3	1128.7	1753.6	2180.2	1745.0	1133.7	754.4	586.1	578.4
82.5°	233.2	266.9	294.0	389.8	821.2	1275.8	815.4	421.7	338.6	305.7	296.0
85°	184.7	189.6	208.9	222.5	297.9	412.0	361.7	255.3	237.9	213.7	208.9
87.5°	162.5	166.4	156.7	160.6	207.9	231.2	227.3	164.4	147.1	161.4	155.7
90°	170.2	172.2	157.7	159.6	210.9	237.0	219.6	154.7	152.9	169.3	163.5
92.5°	181.8	184.7	169.3	170.2	217.7	245.8	220.4	153.8	166.4	181.8	176.0
95°	148.9	152.9	142.1	146.1	189.6	219.6	196.3	137.3	147.9	177.0	171.2
97.5°	88.1	91.9	90.9	116.1	124.8	137.3	127.8	94.8	90.9	99.7	93.9
100°	15.6	19.3	40.7	76.4	70.6	60.0	65.8	59.0	38.7	20.3	14.5
102.5°	14.5	15.6	29.9	41.6	29.9	21.3	29.1	34.9	22.3	13.5	13.5
105°	14.5	15.6	16.4	17.4	9.8	8.7	12.6	20.3	13.5	13.5	13.5
107.5°	13.5	13.5	8.7	7.7	7.7	8.7	7.7	8.7	9.8	12.6	13.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.6	11.6	7.7	6.8	6.8	7.7	6.8	7.7	7.7	9.8	9.8
112.5°	8.7	8.7	5.8	5.8	5.8	6.8	5.8	5.8	6.8	7.7	7.7
115°	8.7	8.7	5.8	4.8	4.8	5.8	4.8	4.8	5.8	7.7	7.7
117.5°	7.7	7.7	4.8	3.9	3.9	3.9	3.9	3.9	5.8	7.7	7.7
120°	7.7	7.7	4.8	3.9	3.9	2.9	3.9	3.9	4.8	7.7	7.7
122.5°	7.7	7.7	4.8	2.9	2.9	2.9	2.9	3.9	4.8	6.8	7.7
125°	7.7	6.8	4.8	2.9	2.9	2.9	2.9	2.9	4.8	6.8	6.8
127.5°	6.8	6.8	4.8	2.9	2.9	1.9	1.9	2.9	3.9	5.8	6.8
130°	6.8	6.8	4.8	2.9	2.9	1.9	1.9	1.9	3.9	5.8	5.8
132.5°	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	2.9	4.8	4.8
135°	4.8	4.8	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
137.5°	4.8	4.8	3.9	2.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
140°	4.8	4.8	3.9	2.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9
142.5°	4.8	4.8	3.9	2.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9
145°	4.8	4.8	3.9	2.9	1.9	1.9	1.9	2.9	2.9	3.9	3.9
147.5°	4.8	4.8	3.9	2.9	1.9	1.0	1.9	2.9	3.9	3.9	3.9
150°	4.8	4.8	3.9	1.9	1.0	0.0	1.0	1.9	2.9	3.9	3.9
152.5°	3.9	3.9	2.9	1.0	1.0	0.0	0.0	1.0	2.9	2.9	2.9
155°	1.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
157.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)