

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: P254523

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254523
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-AF24-80-D-U-5WQ-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7874.2 lumens
Efficiency: N/A
Efficacy: 94.9 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 - U3 - G2

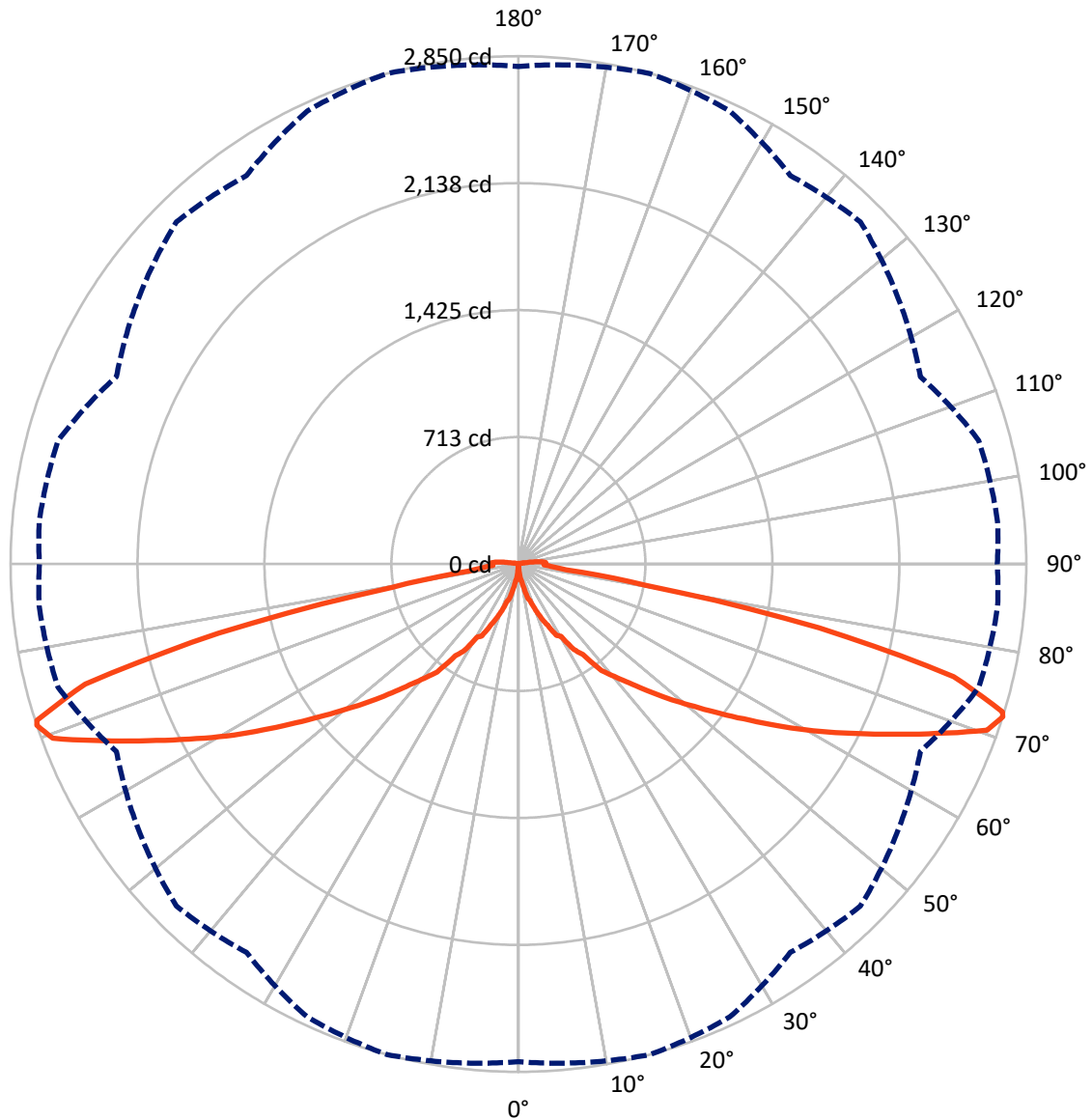
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



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

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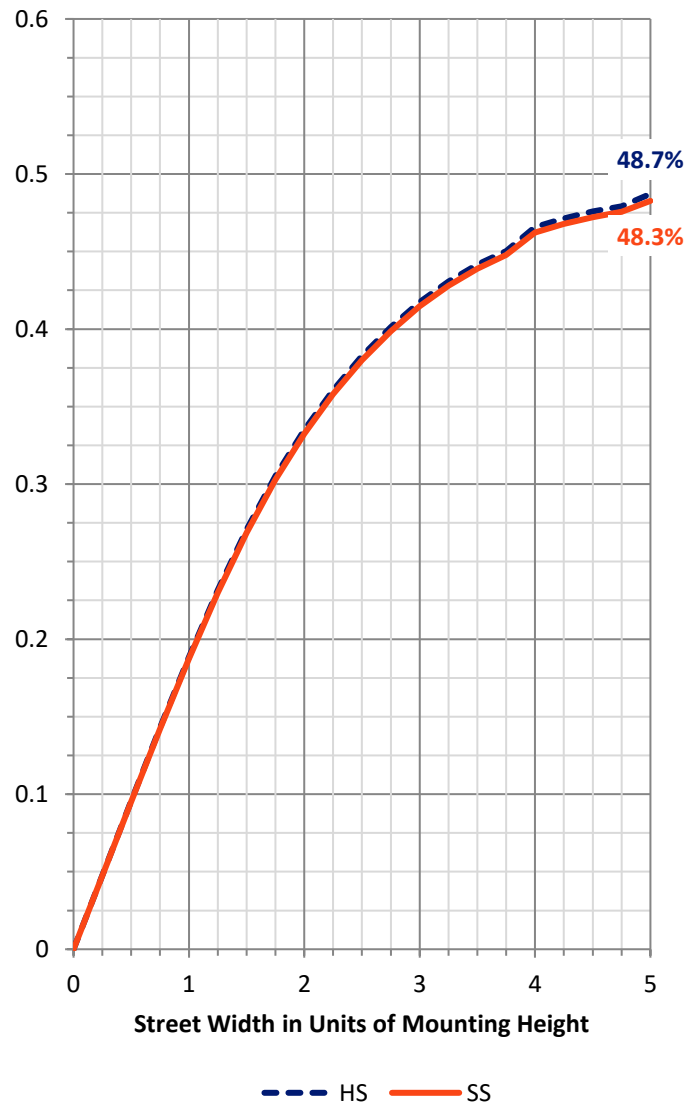
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3848.4	88.7	3937.1
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	3848.4	88.7	3937.1
	% Fixture	48.9	1.1	50.0
Total	Lumens	7696.7	177.5	7874.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	47.4	0.6
20°-30°	178.2	2.3
30°-40°	402.9	5.1
40°-50°	732.0	9.3
50°-60°	1312.7	16.7
60°-70°	2218.6	28.2
70°-80°	2383.5	30.3
80°-90°	417.9	5.3
90°-100°	145.2	1.8
100°-110°	19.3	0.2
110°-120°	5.5	0.1
120°-130°	3.4	0.0
130°-140°	2.0	0.0
140°-150°	1.6	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7696.7	97.7
0°-180°	7874.2	100.0



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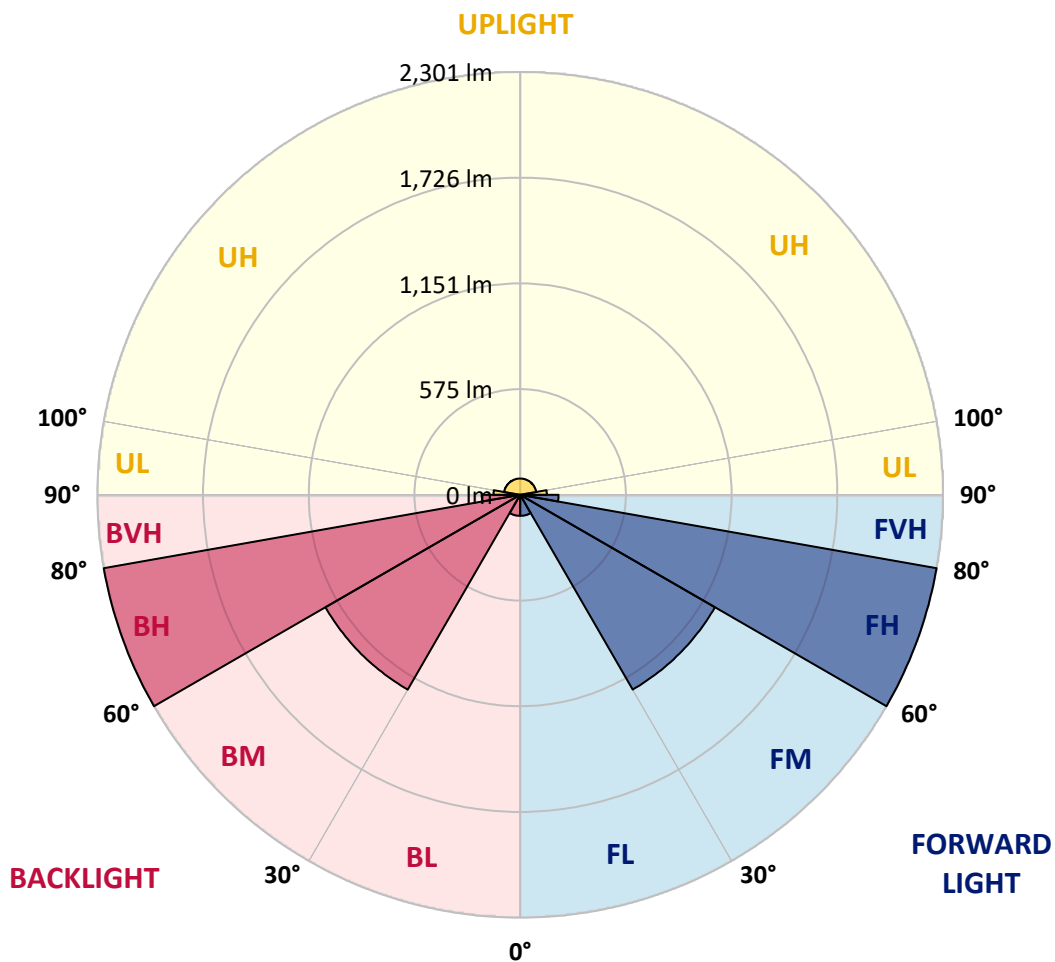
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.5	1.5			
FM (30°-60°)	1223.8	15.5			
FH (60°-80°)	2301.1	29.2			G2/5000
FVH (80°-90°)	208.9	2.7			G2/225
BL (0°-30°)	114.5	1.5	B1/500		
BM (30°-60°)	1223.8	15.5	B2/2500		
BH (60°-80°)	2301.1	29.2	B3/2500		G2/5000
BVH (80°-90°)	208.9	2.7			G2/225
UL (90°-100°)	145.2	1.8		U3/500	
UH (100°-180°)	88.7	1.1		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	7.1	7.1	7.1	6.2	6.2	6.2	6.2	5.4	6.2	6.2	6.2
5°	39.9	41.6	37.2	36.3	16.8	13.3	7.9	6.2	6.2	6.2	6.2
7.5°	89.5	89.5	86.9	78.0	57.6	47.8	26.6	9.8	7.1	6.2	6.2
10°	102.8	100.9	96.5	96.5	93.0	85.0	50.5	23.9	10.6	9.8	9.8
12.5°	155.9	155.9	142.7	131.1	103.7	94.0	79.8	56.7	58.5	94.0	107.2
15°	208.2	208.2	200.3	186.1	147.9	110.0	143.5	168.4	142.7	153.3	154.2
17.5°	231.2	230.3	219.7	207.4	191.4	210.9	199.4	193.2	168.4	169.3	172.7
20°	320.7	317.2	277.3	254.2	223.2	270.2	237.4	222.4	284.4	305.7	312.8
22.5°	342.8	340.3	329.6	308.3	322.6	289.7	292.4	321.7	326.9	337.6	340.3
25°	405.8	405.0	380.1	342.0	371.3	331.4	376.5	343.7	365.0	425.2	448.3
27.5°	463.4	461.6	452.8	409.2	391.5	429.7	401.3	446.6	493.6	506.8	517.5
30°	519.2	516.6	471.4	477.6	436.8	455.4	489.1	497.0	514.7	549.3	551.1
32.5°	608.7	602.4	572.3	531.5	520.1	487.3	525.4	527.1	650.3	714.1	729.2
35°	698.1	691.9	624.6	606.1	566.2	578.5	562.5	643.2	693.7	754.0	764.6
37.5°	815.1	808.9	758.4	670.8	631.7	614.0	654.8	687.6	731.0	811.6	810.7
40°	878.9	876.3	830.2	761.1	695.6	675.1	696.4	725.6	793.0	865.7	873.6
42.5°	955.2	948.9	912.6	831.9	777.1	746.0	741.6	799.1	870.9	948.1	949.8
45°	1047.2	1038.4	1012.8	906.5	852.3	827.5	826.6	886.8	970.1	1047.2	1056.1
47.5°	1150.9	1143.0	1126.1	1002.0	949.8	917.9	938.3	976.3	1061.5	1153.6	1163.3
50°	1262.5	1258.1	1243.9	1125.3	1081.7	1030.5	1053.5	1077.4	1179.2	1267.9	1270.4
52.5°	1382.1	1384.9	1378.7	1263.5	1215.6	1178.4	1204.0	1199.6	1298.9	1401.7	1398.9
55°	1532.0	1532.0	1534.5	1440.6	1393.7	1329.0	1373.3	1362.7	1453.0	1544.3	1541.6
57.5°	1700.2	1701.1	1709.1	1634.6	1594.7	1541.6	1570.8	1550.5	1608.1	1687.8	1679.9
60°	1869.4	1876.5	1901.3	1869.4	1818.1	1772.8	1813.6	1711.8	1781.7	1855.2	1843.7
62.5°	2044.0	2054.6	2091.9	2085.6	2030.7	2011.3	2044.9	1911.9	2005.0	2021.9	2010.4
65°	2246.1	2248.7	2300.9	2303.6	2221.2	2259.3	2247.8	2099.9	2231.0	2215.9	2214.1
67.5°	2470.2	2488.8	2536.6	2514.5	2404.6	2436.5	2417.9	2277.0	2414.3	2409.9	2401.9
70°	2744.8	2752.8	2790.9	2709.4	2551.6	2595.1	2542.8	2424.1	2612.8	2644.7	2636.8
72°	2792.6	2812.2	2850.2	2805.0	2660.7	2714.6	2602.1	2488.8	2674.7	2699.6	2688.1
72.5°	2780.2	2796.2	2840.5	2802.4	2673.9	2732.5	2609.2	2487.0	2658.9	2684.6	2670.4
75°	2423.2	2421.4	2523.4	2594.2	2640.2	2813.0	2574.7	2348.7	2371.8	2367.4	2345.2
77.5°	1542.5	1590.4	1726.9	1959.8	2302.7	2617.2	2281.5	1881.9	1686.1	1571.8	1523.1
80°	537.8	575.0	722.1	1033.9	1606.3	1997.0	1598.4	1038.4	691.1	536.9	529.8
82.5°	213.5	244.5	269.4	357.1	752.2	1168.6	746.9	386.3	310.1	279.9	271.1
85°	169.3	173.6	191.4	203.8	272.9	377.4	331.4	234.0	218.0	195.8	191.4
87.5°	148.8	152.4	143.5	147.1	190.4	211.8	208.2	150.7	134.7	147.9	142.7
90°	155.9	157.7	144.4	146.2	193.2	217.1	201.1	141.7	140.0	155.0	149.6
92.5°	166.6	169.3	155.0	155.9	199.4	225.1	202.0	140.8	152.4	166.6	161.2
95°	136.5	140.0	130.2	133.8	173.6	201.1	179.8	125.7	135.6	162.1	156.8
97.5°	80.7	84.1	83.2	106.3	114.2	125.7	116.9	86.9	83.2	91.2	86.0
100°	14.2	17.7	37.2	70.0	64.7	54.9	60.2	54.1	35.4	18.6	13.3
102.5°	13.3	14.2	27.5	38.1	27.5	19.4	26.6	31.9	20.4	12.4	12.4
105°	13.3	14.2	15.1	16.0	8.8	7.9	11.5	18.6	12.4	12.4	12.4
107.5°	12.4	12.4	7.9	7.1	7.1	7.9	7.1	7.9	8.8	11.5	12.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	10.6	10.6	7.1	6.2	6.2	7.1	6.2	7.1	7.1	8.8	8.8
112.5°	7.9	7.9	5.4	5.4	5.4	6.2	5.4	5.4	6.2	7.1	7.1
115°	7.9	7.9	5.4	4.5	4.5	5.4	4.5	4.5	5.4	7.1	7.1
117.5°	7.1	7.1	4.5	3.5	3.5	3.5	3.5	3.5	5.4	7.1	7.1
120°	7.1	7.1	4.5	3.5	3.5	2.6	3.5	3.5	4.5	7.1	7.1
122.5°	7.1	7.1	4.5	2.6	2.6	2.6	2.6	3.5	4.5	6.2	7.1
125°	7.1	6.2	4.5	2.6	2.6	2.6	2.6	2.6	4.5	6.2	6.2
127.5°	6.2	6.2	4.5	2.6	2.6	1.7	1.7	2.6	3.5	5.4	6.2
130°	6.2	6.2	4.5	2.6	2.6	1.7	1.7	1.7	3.5	5.4	5.4
132.5°	5.4	5.4	3.5	1.7	1.7	1.7	1.7	1.7	2.6	4.5	4.5
135°	4.5	4.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
137.5°	4.5	4.5	3.5	2.6	1.7	1.7	1.7	1.7	1.7	2.6	2.6
140°	4.5	4.5	3.5	2.6	1.7	1.7	1.7	1.7	2.6	2.6	2.6
142.5°	4.5	4.5	3.5	2.6	1.7	1.7	1.7	1.7	2.6	2.6	2.6
145°	4.5	4.5	3.5	2.6	1.7	1.7	1.7	2.6	2.6	3.5	3.5
147.5°	4.5	4.5	3.5	2.6	1.7	0.9	1.7	2.6	3.5	3.5	3.5
150°	4.5	4.5	3.5	1.7	0.9	0.0	0.9	1.7	2.6	3.5	3.5
152.5°	3.5	3.5	2.6	0.9	0.9	0.0	0.0	0.9	2.6	2.6	2.6
155°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
157.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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)