

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: P253772

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-9-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4740.3 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G1

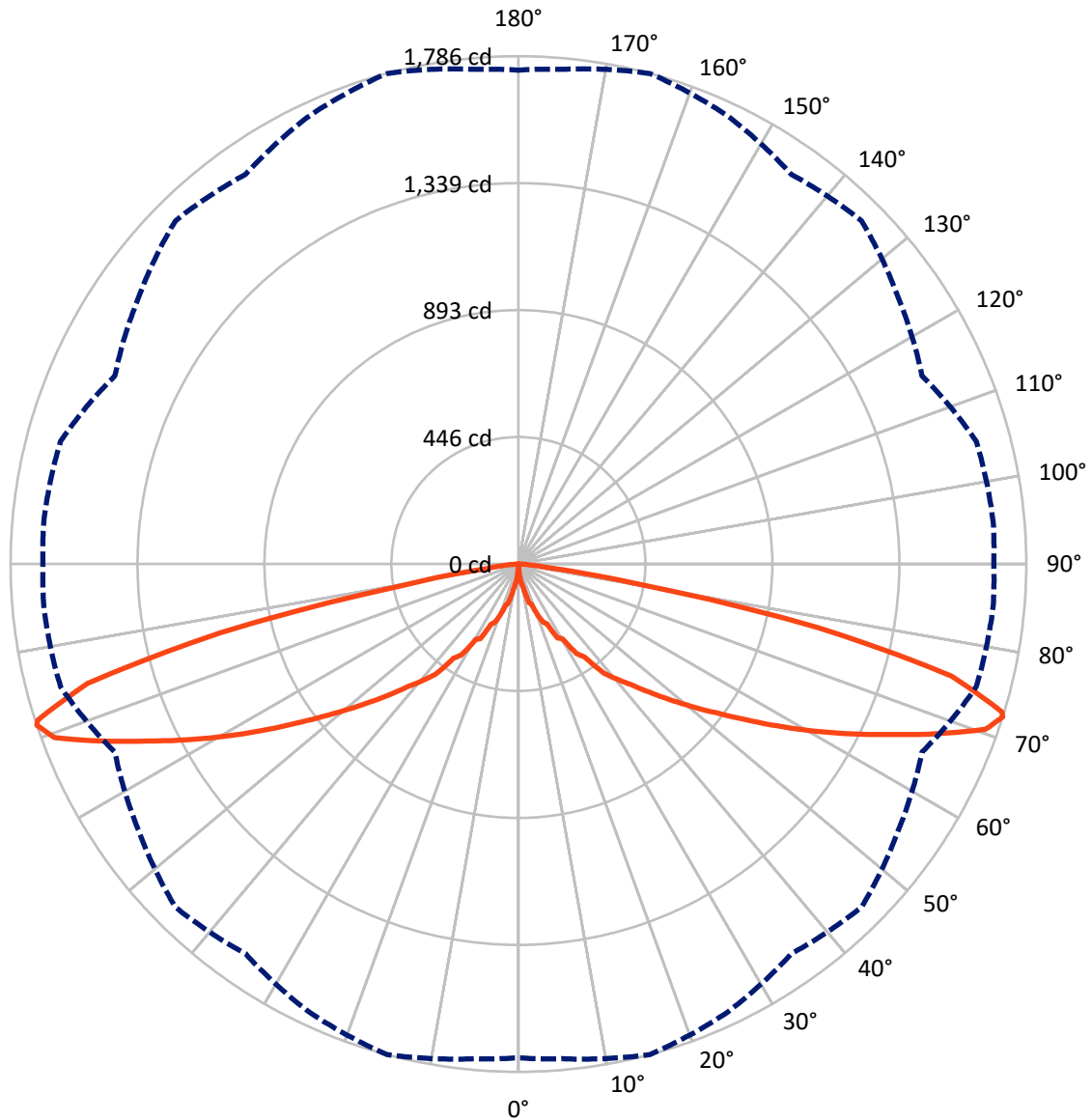
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



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

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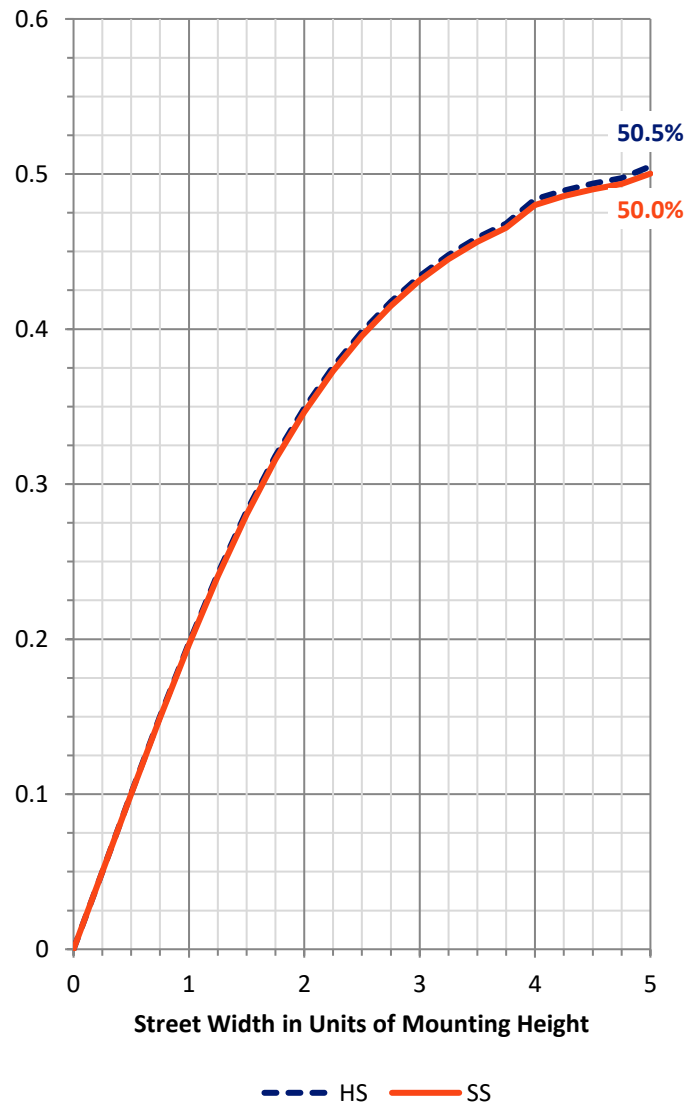
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2370.2	0.0	2370.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2370.2	0.0	2370.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4740.3	0.0	4740.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.0
10°-20°	32.1	0.7
20°-30°	117.7	2.5
30°-40°	259.7	5.5
40°-50°	465.4	9.8
50°-60°	822.9	17.4
60°-70°	1384.1	29.2
70°-80°	1482.0	31.3
80°-90°	174.2	3.7
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°	4740.3	100.0
0°-180°	4740.3	100.0



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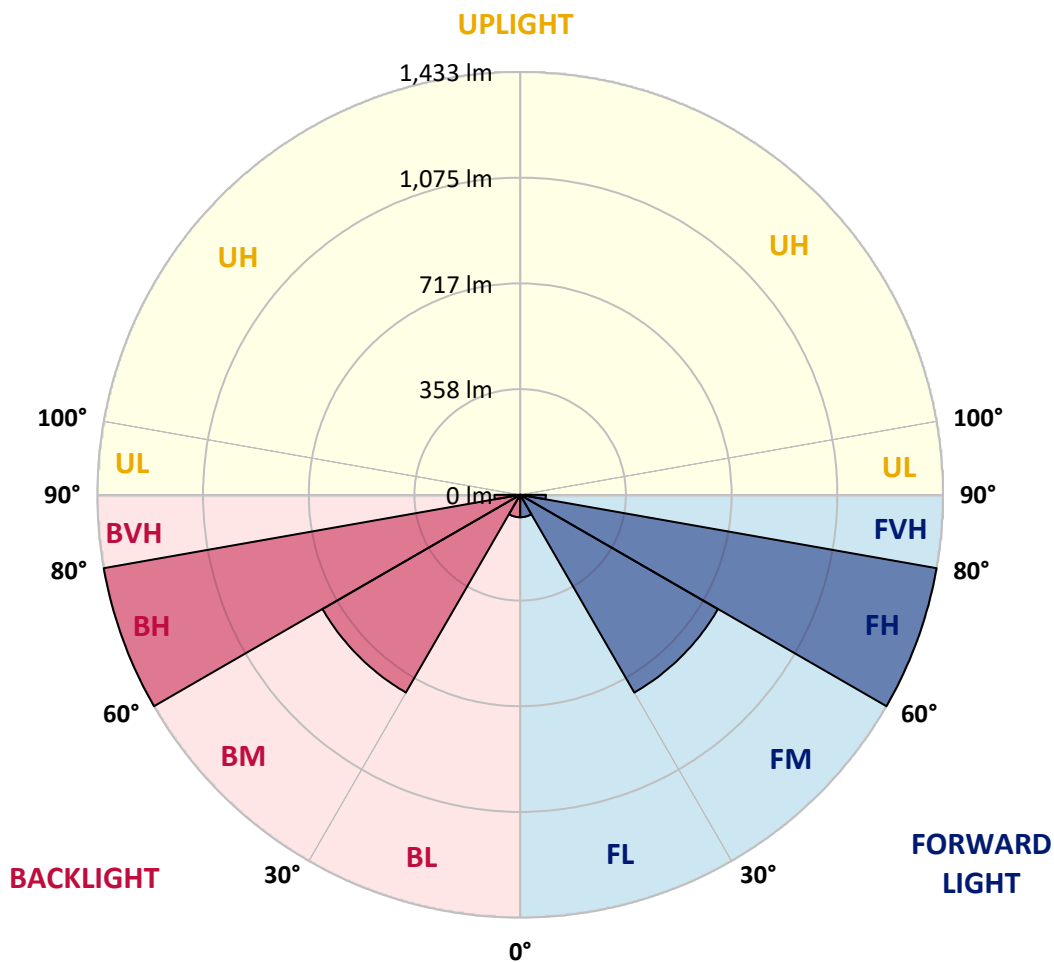
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.0	1.6			
FM	(30°-60°)	774.0	16.3			
FH	(60°-80°)	1433.1	30.2			G1/1800
FVH	(80°-90°)	87.1	1.8			G1/100
BL	(0°-30°)	76.0	1.6	B0/110		
BM	(30°-60°)	774.0	16.3	B1/1000		
BH	(60°-80°)	1433.1	30.2	B3/2500		G1/1800
BVH	(80°-90°)	87.1	1.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.5	1.5	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0
5°	29.8	29.3	22.1	10.2	8.2	3.6	1.5	1.0	1.0	1.0	1.0
7.5°	68.2	66.7	65.2	55.4	42.6	30.3	8.7	2.0	1.5	1.0	1.0
10°	74.4	74.4	73.3	71.8	69.8	63.1	35.4	8.2	3.6	3.1	3.1
12.5°	108.2	107.7	102.6	80.0	72.8	71.3	59.5	31.8	21.1	43.1	51.4
15°	147.7	146.7	142.1	128.3	104.6	77.4	93.4	114.9	99.5	106.2	106.7
17.5°	156.5	155.0	149.2	144.1	135.4	130.3	145.7	140.0	110.8	112.3	112.8
20°	201.6	204.7	188.3	162.6	149.2	195.0	160.6	154.0	182.1	202.1	208.3
22.5°	227.3	226.3	221.2	208.8	217.6	202.1	196.0	220.7	221.2	224.2	225.3
25°	264.2	263.2	233.4	222.2	255.5	221.2	258.1	235.0	241.1	259.1	274.5
27.5°	302.2	300.6	294.5	264.2	263.7	290.9	269.3	290.4	321.7	333.0	339.1
30°	337.6	329.9	304.2	312.4	290.9	306.3	310.9	326.8	334.5	353.0	356.6
32.5°	389.9	388.4	375.0	336.6	343.7	324.8	346.3	344.7	423.8	458.2	469.4
35°	445.3	429.9	402.2	388.4	367.3	383.3	360.7	417.2	442.7	484.4	491.0
37.5°	518.2	517.2	486.9	424.3	405.8	402.7	424.3	437.6	471.5	513.5	519.2
40°	557.2	557.2	531.5	482.2	442.2	438.6	451.0	469.4	505.8	551.1	555.7
42.5°	604.4	604.4	578.7	525.9	501.8	482.2	485.4	507.4	546.4	599.2	605.4
45°	659.8	659.8	641.8	572.5	551.1	529.5	540.2	561.8	607.4	659.8	667.5
47.5°	726.5	724.5	710.0	633.1	611.0	585.4	600.3	623.4	671.1	726.5	732.1
50°	797.8	796.3	786.0	705.9	673.6	655.7	669.5	688.0	742.4	800.4	806.5
52.5°	873.2	872.7	868.6	794.2	751.7	737.8	749.6	767.5	820.9	883.5	889.1
55°	964.0	966.6	964.0	901.4	850.2	843.4	848.6	860.4	912.7	972.7	976.3
57.5°	1063.6	1065.1	1074.3	1031.2	974.8	964.0	967.1	975.3	1016.4	1065.6	1069.2
60°	1169.7	1173.8	1191.8	1160.5	1113.3	1114.3	1105.1	1083.6	1127.7	1162.6	1162.1
62.5°	1276.4	1281.1	1315.0	1289.3	1255.0	1273.9	1247.8	1193.4	1244.1	1268.3	1263.7
65°	1393.5	1404.7	1444.7	1435.0	1384.3	1425.3	1384.8	1311.8	1381.2	1382.7	1382.7
67.5°	1539.6	1550.5	1591.5	1573.5	1498.1	1545.3	1498.6	1431.9	1501.7	1493.5	1497.6
70°	1699.2	1710.0	1741.8	1681.8	1599.2	1639.2	1587.9	1520.7	1621.3	1635.6	1632.0
72°	1736.2	1745.9	1785.5	1738.7	1672.5	1705.9	1631.0	1565.3	1666.4	1675.6	1671.5
72.5°	1724.9	1733.6	1777.7	1738.7	1684.4	1720.8	1637.1	1566.3	1659.2	1665.9	1660.2
75°	1493.5	1509.4	1572.5	1613.0	1665.9	1765.4	1613.0	1474.0	1489.4	1469.9	1446.2
77.5°	962.5	946.5	1075.8	1241.0	1429.4	1642.2	1415.0	1164.6	1048.7	951.8	909.1
80°	285.3	301.2	416.1	618.3	966.6	1231.8	983.1	625.4	382.8	267.8	255.5
82.5°	57.0	70.8	103.6	162.6	413.5	673.1	410.4	185.3	125.2	97.0	89.8
85°	22.1	22.6	45.1	51.4	69.8	136.5	98.5	64.1	61.1	40.5	36.4
87.5°	3.1	4.1	7.2	8.7	8.2	4.6	9.7	6.6	3.6	3.6	2.6
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)