

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: P266139

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266139
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-AF24-70-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 6727.1 lumens
Efficiency: N/A
Efficacy: 90.9 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 - U0 - G2

Input Watts (W): 74
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

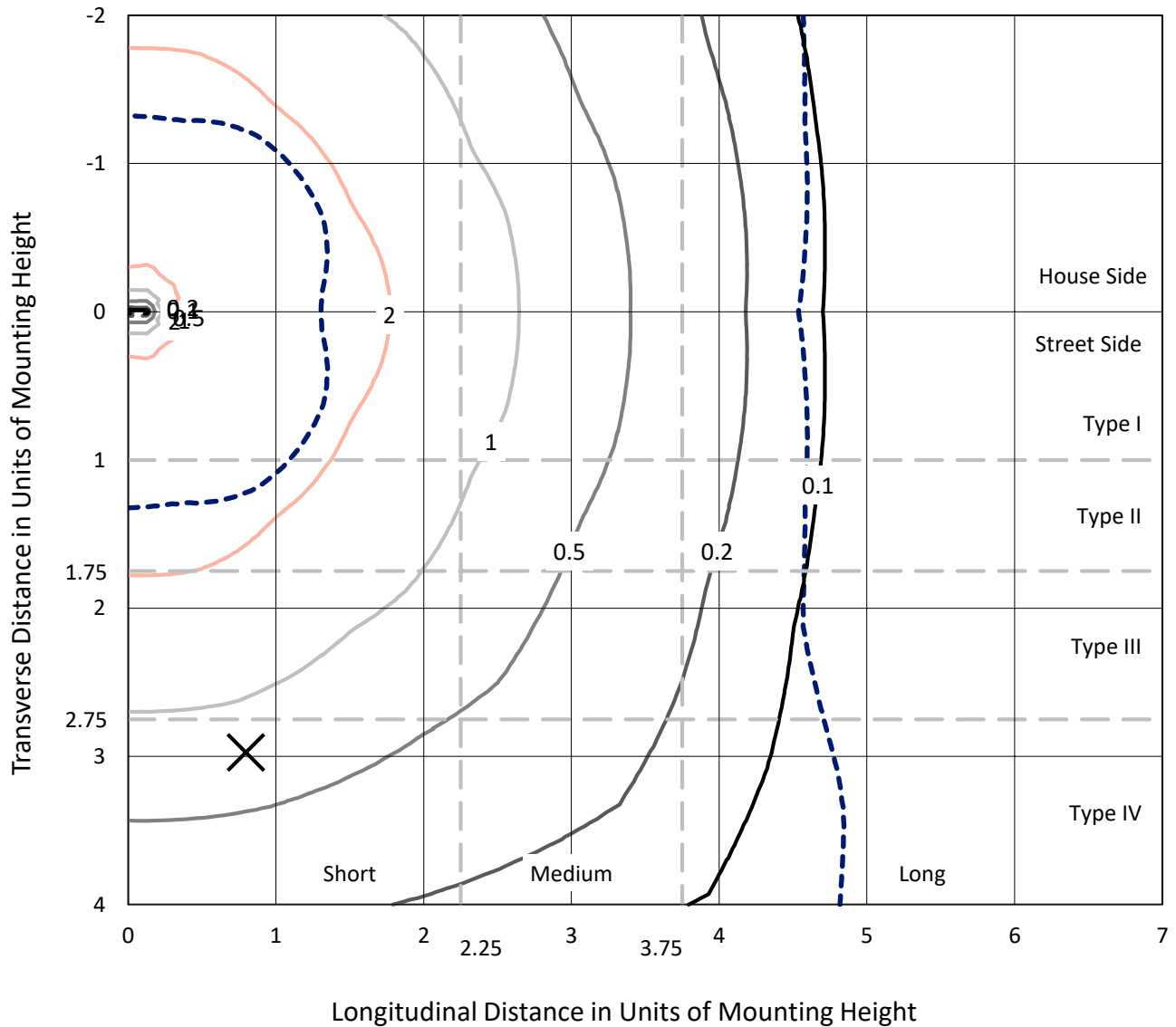


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

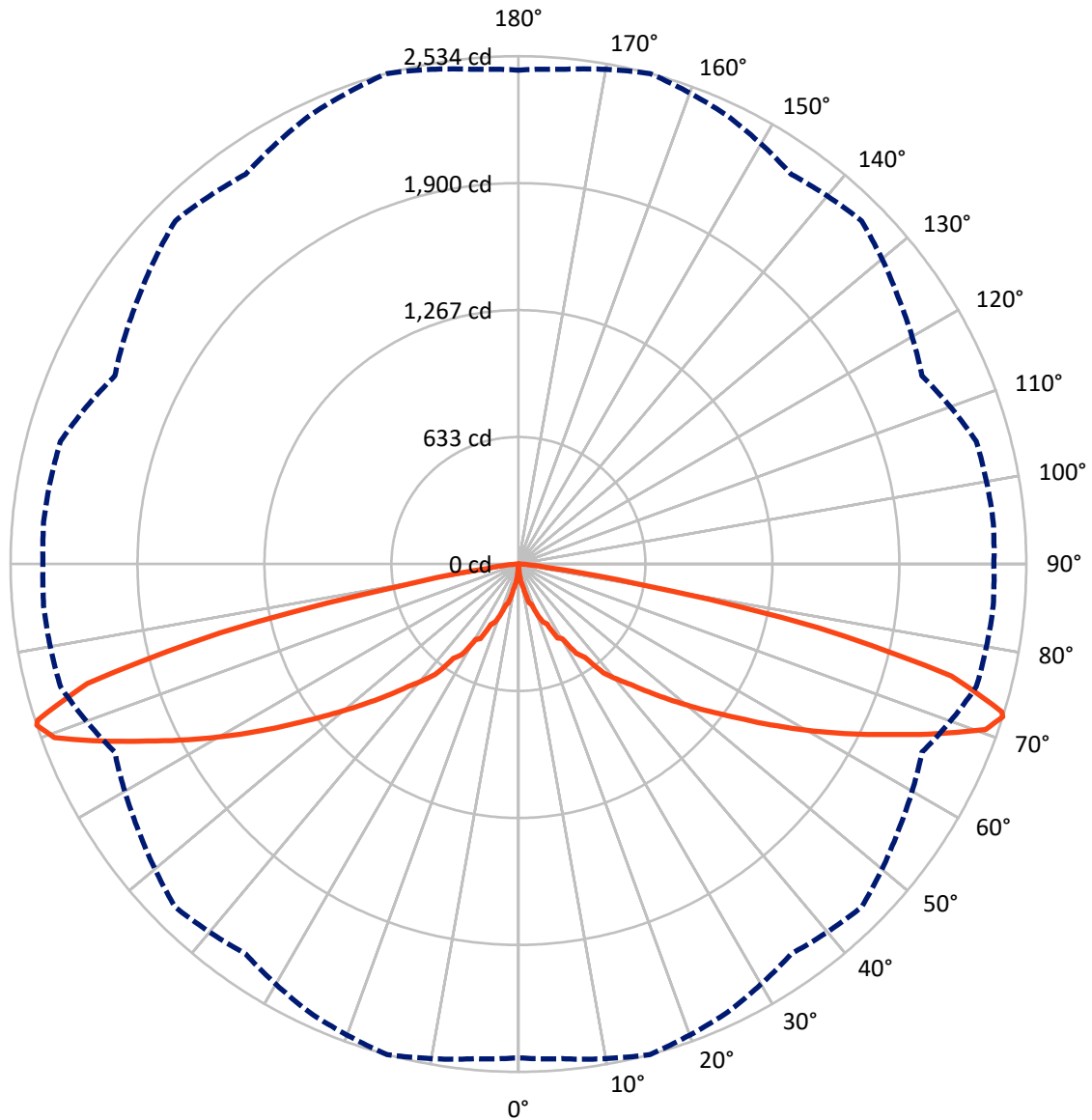


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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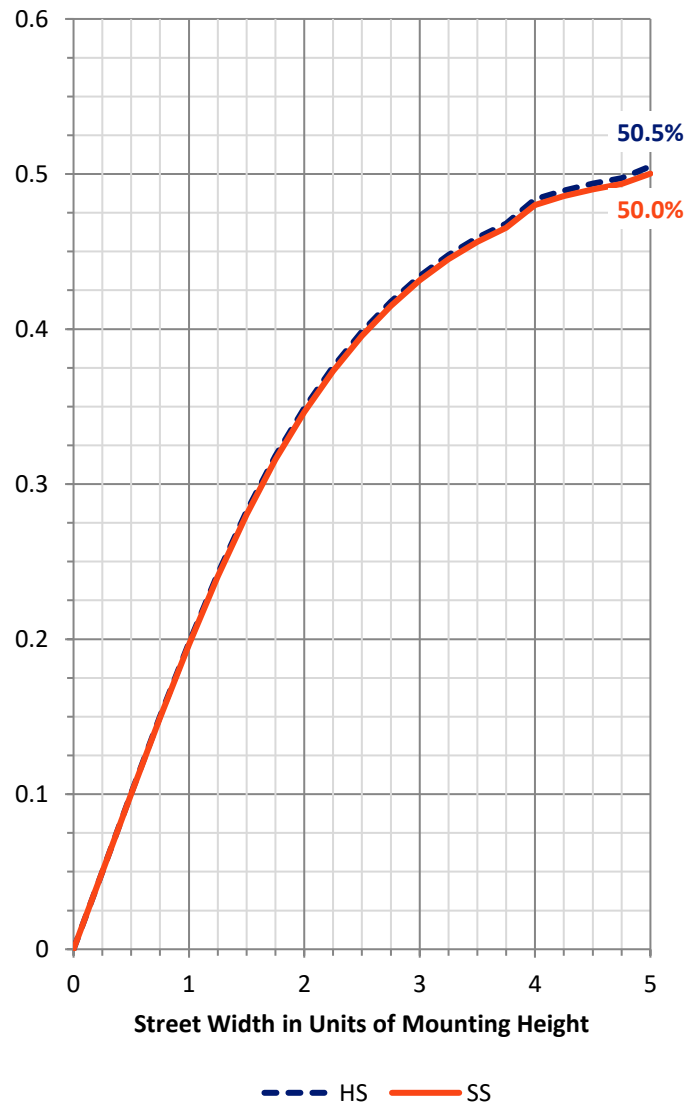
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3363.6	0.0	3363.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3363.6	0.0	3363.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6727.1	0.0	6727.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	45.6	0.7
20°-30°	167.0	2.5
30°-40°	368.5	5.5
40°-50°	660.5	9.8
50°-60°	1167.8	17.4
60°-70°	1964.2	29.2
70°-80°	2103.2	31.3
80°-90°	247.2	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°	6727.1	100.0
0°-180°	6727.1	100.0



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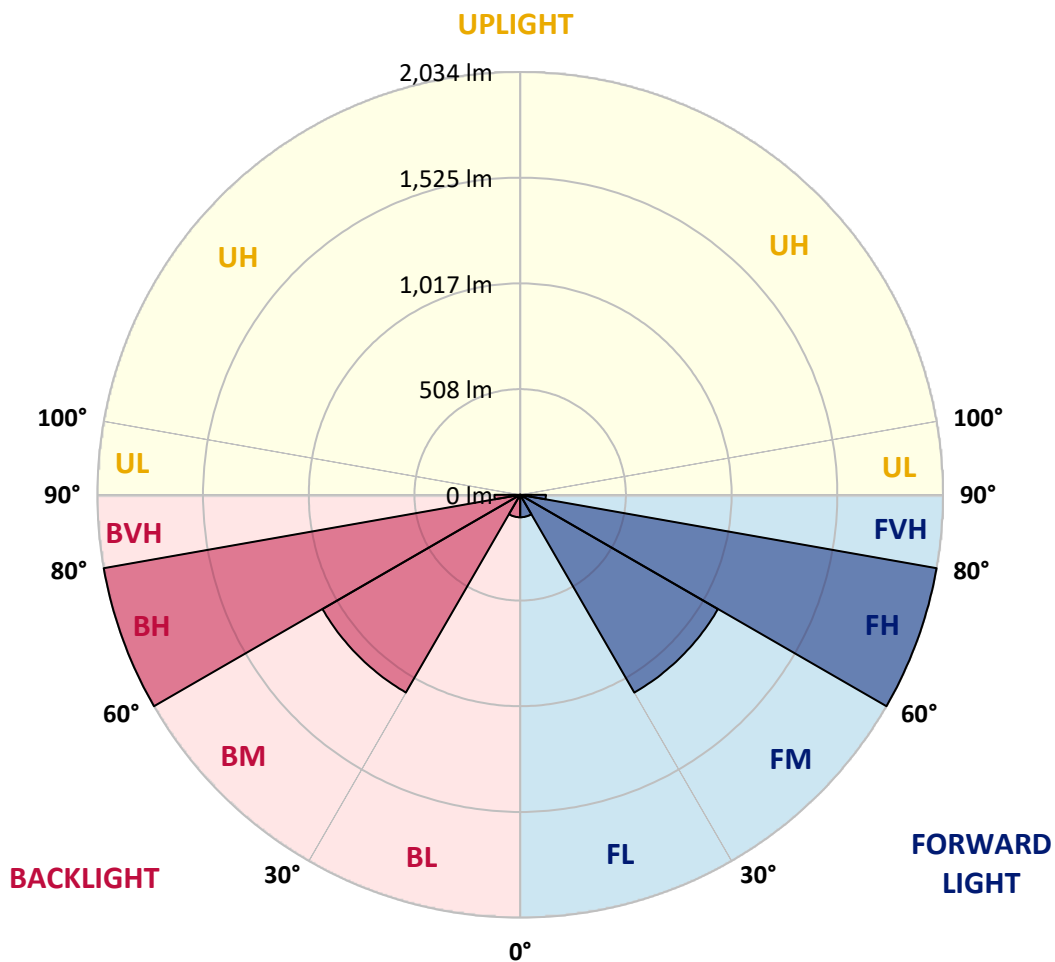
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.9	1.6			
FM	(30°-60°)	1098.4	16.3			
FH	(60°-80°)	2033.7	30.2			G2/5000
FVH	(80°-90°)	123.6	1.8			G2/225
BL	(0°-30°)	107.9	1.6	B0/110		
BM	(30°-60°)	1098.4	16.3	B2/2500		
BH	(60°-80°)	2033.7	30.2	B3/2500		G2/5000
BVH	(80°-90°)	123.6	1.8			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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.2	2.2	2.2	2.2	1.4	1.4	0.7	0.7	1.4	1.4	1.4
5°	42.2	41.5	31.4	14.6	11.7	5.1	2.2	1.4	1.4	1.4	1.4
7.5°	96.8	94.6	92.4	78.6	60.5	42.9	12.3	3.0	2.2	1.4	1.4
10°	105.6	105.6	104.2	102.0	99.1	89.6	50.2	11.7	5.1	4.4	4.4
12.5°	153.6	152.9	145.6	113.5	103.3	101.1	84.5	45.2	29.9	61.2	72.9
15°	209.7	208.2	201.7	182.0	148.5	110.0	132.5	163.1	141.3	150.7	151.5
17.5°	222.2	219.8	211.9	204.5	192.1	185.0	206.8	198.7	157.3	159.4	160.2
20°	286.1	290.5	267.2	230.9	211.9	276.7	227.9	218.4	258.4	286.9	295.6
22.5°	322.5	321.1	313.8	296.4	308.7	286.9	278.1	313.1	313.8	318.2	319.6
25°	375.0	373.5	331.3	315.2	362.6	313.8	366.1	333.5	342.3	367.6	389.5
27.5°	428.9	426.6	417.9	375.0	374.2	412.9	382.3	412.1	456.5	472.5	481.2
30°	479.1	468.1	431.7	443.5	412.9	434.7	441.2	463.7	474.8	501.0	506.0
32.5°	553.4	551.2	532.2	477.5	487.8	460.9	491.5	489.2	601.3	650.2	666.3
35°	632.0	610.0	570.9	551.2	521.2	543.8	511.9	592.0	628.4	687.4	696.7
37.5°	735.4	733.8	690.9	602.1	576.0	571.5	602.1	621.1	669.1	728.9	736.8
40°	790.7	790.7	754.2	684.4	627.6	622.5	640.0	666.3	717.8	782.0	788.5
42.5°	857.7	857.7	821.3	746.3	712.0	684.4	688.8	720.1	775.3	850.3	859.0
45°	936.4	936.4	910.8	812.5	782.0	751.4	766.7	797.2	862.1	936.4	947.3
47.5°	1031.0	1028.0	1007.7	898.5	867.1	830.8	851.9	884.7	952.4	1031.0	1039.0
50°	1132.1	1130.0	1115.4	1001.8	955.9	930.5	950.1	976.4	1053.5	1135.7	1144.5
52.5°	1239.2	1238.5	1232.7	1127.1	1066.6	1047.0	1063.8	1089.3	1164.9	1253.8	1261.8
55°	1368.1	1371.7	1368.1	1279.2	1206.5	1196.9	1204.3	1220.9	1295.3	1380.4	1385.5
57.5°	1509.3	1511.5	1524.7	1463.3	1383.3	1368.1	1372.4	1384.1	1442.3	1512.1	1517.2
60°	1660.0	1665.8	1691.2	1647.0	1579.8	1581.3	1568.4	1537.7	1600.3	1649.8	1649.1
62.5°	1811.4	1818.0	1866.0	1829.7	1780.9	1807.7	1770.6	1693.6	1765.6	1799.8	1793.2
65°	1977.4	1993.5	2050.3	2036.5	1964.4	2022.7	1965.1	1861.6	1960.0	1962.2	1962.2
67.5°	2184.9	2200.3	2258.5	2232.9	2126.0	2192.9	2126.6	2032.1	2131.0	2119.5	2125.3
70°	2411.4	2426.7	2471.9	2386.6	2269.4	2326.3	2253.4	2158.0	2300.6	2321.1	2316.0
72°	2463.8	2477.6	2533.7	2467.5	2373.5	2420.8	2314.6	2221.4	2364.8	2378.0	2372.1
72.5°	2447.8	2460.2	2522.8	2467.5	2390.3	2442.0	2323.2	2222.9	2354.5	2364.1	2356.1
75°	2119.5	2142.0	2231.6	2289.2	2364.1	2505.4	2289.2	2091.8	2113.6	2086.0	2052.4
77.5°	1365.9	1343.2	1526.8	1761.1	2028.5	2330.6	2008.0	1652.7	1488.2	1350.6	1290.1
80°	404.7	427.4	590.5	877.4	1371.7	1748.1	1395.0	887.5	543.1	380.1	362.6
82.5°	80.8	100.5	147.1	230.9	586.9	955.3	582.6	262.8	177.7	137.6	127.4
85°	31.4	32.0	64.0	72.9	99.1	193.7	139.7	91.0	86.6	57.5	51.7
87.5°	4.4	5.7	10.2	12.3	11.7	6.6	13.8	9.4	5.1	5.1	3.7
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)