

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: P266197

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266197
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-AF24-90-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 7927.4 lumens
Efficiency: N/A
Efficacy: 84.3 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): 94
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

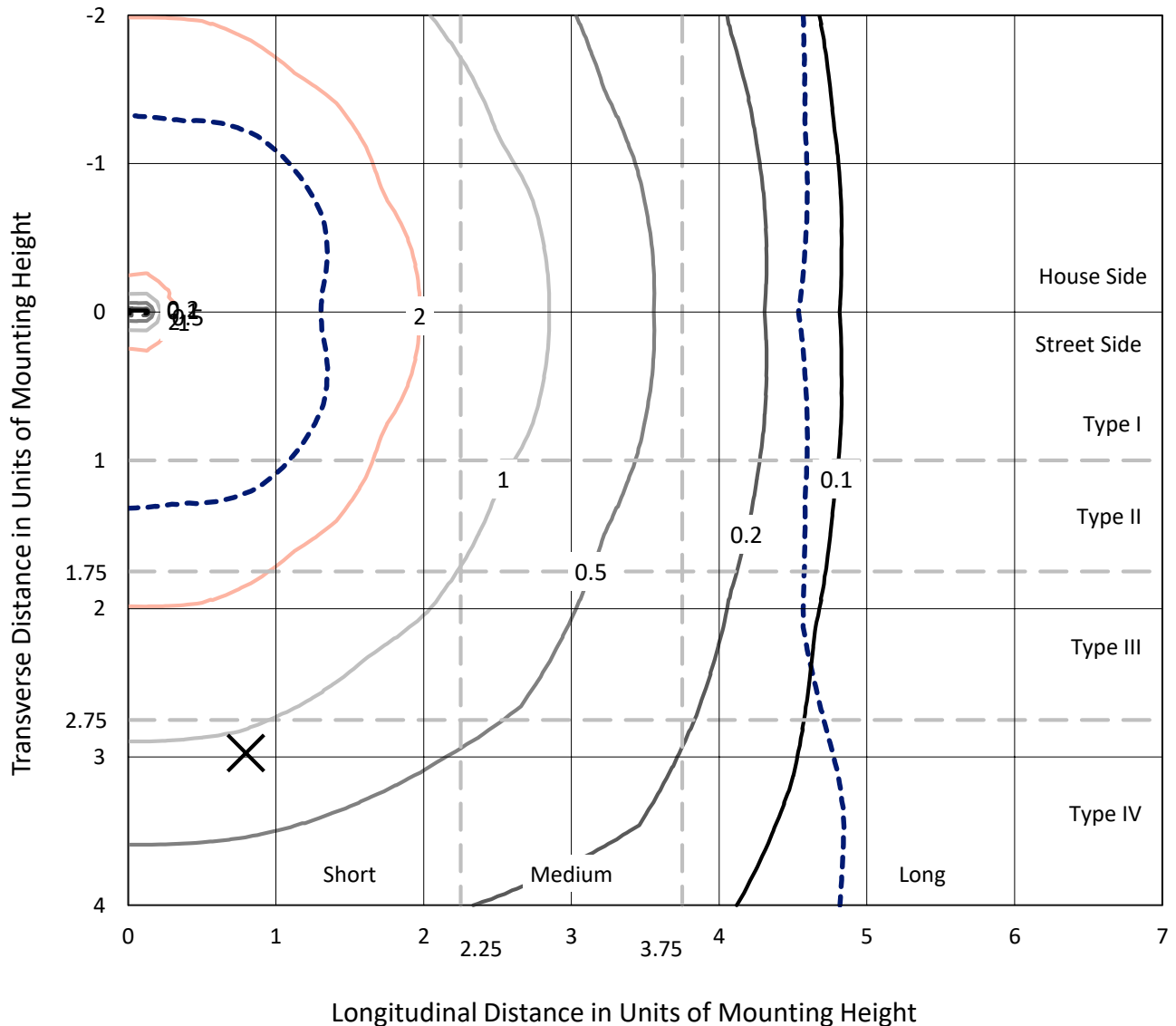


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

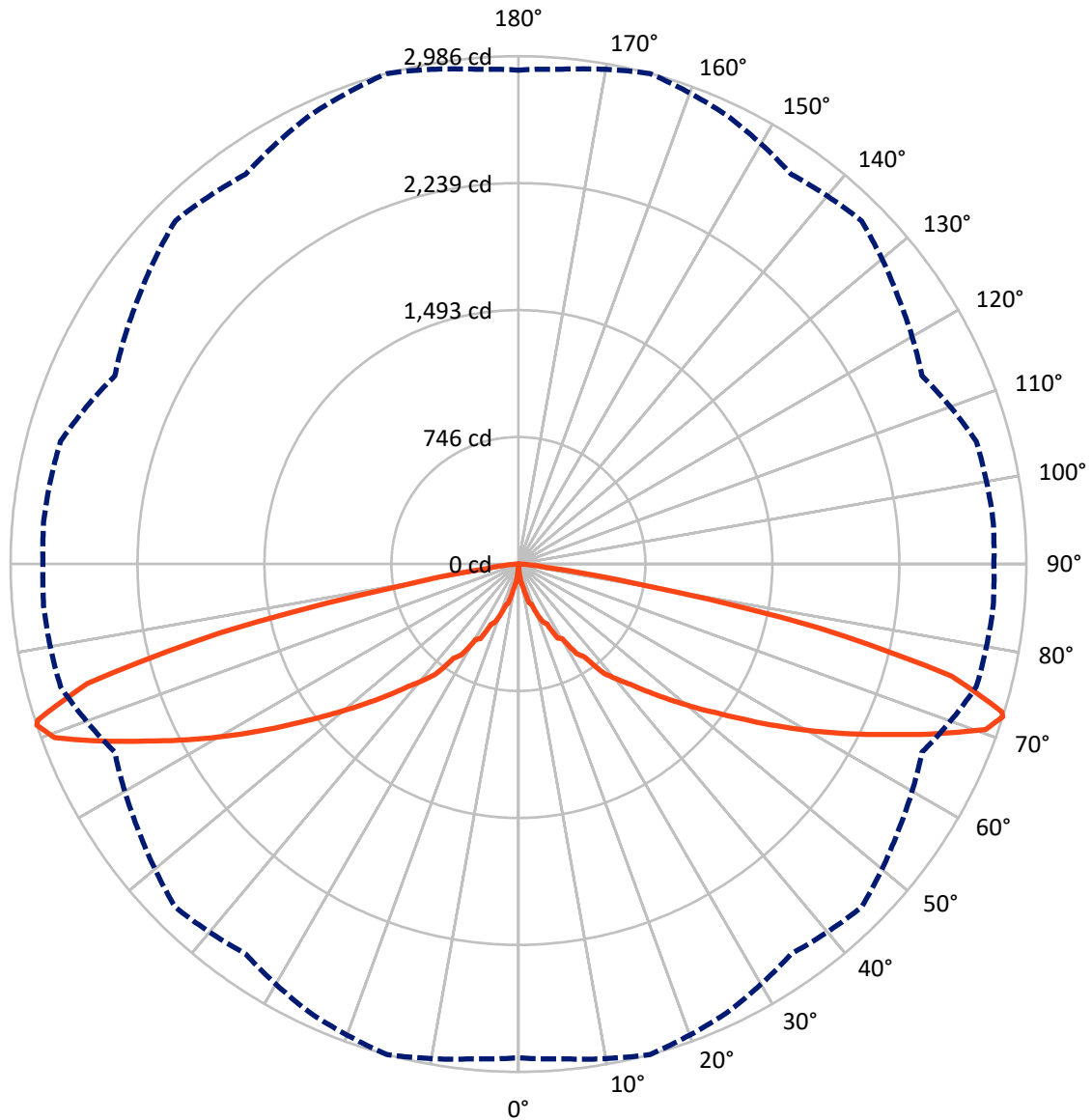


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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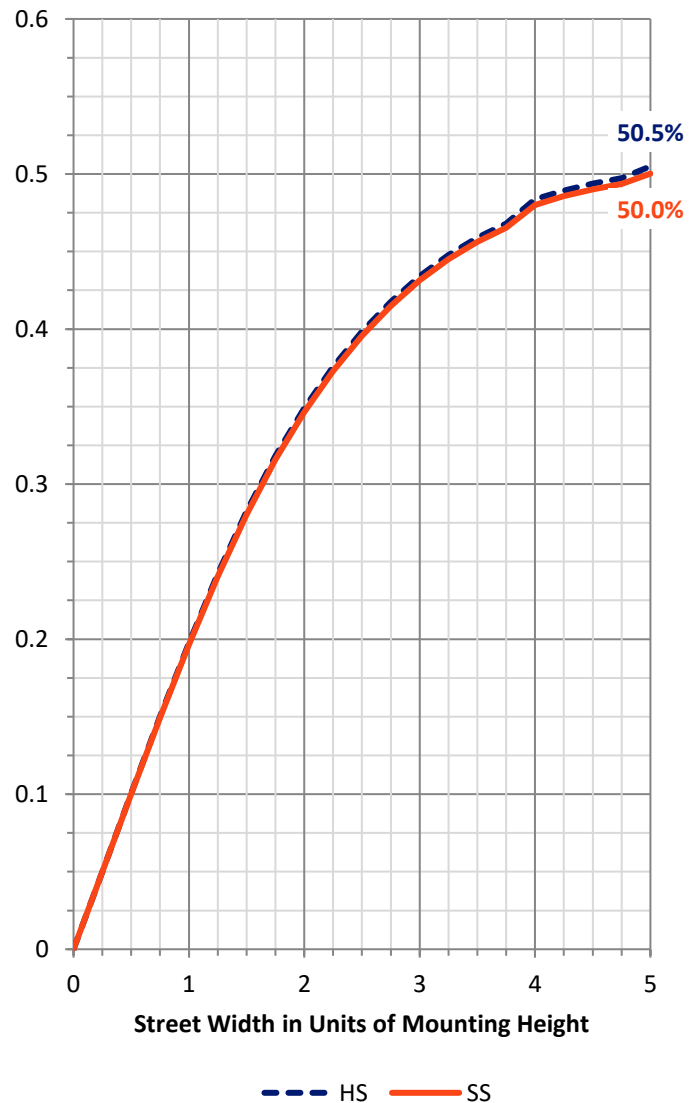
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3963.7	0.0	3963.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3963.7	0.0	3963.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7927.4	0.0	7927.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.0
10°-20°	53.7	0.7
20°-30°	196.8	2.5
30°-40°	434.3	5.5
40°-50°	778.3	9.8
50°-60°	1376.2	17.4
60°-70°	2314.7	29.2
70°-80°	2478.4	31.3
80°-90°	291.2	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°	7927.4	100.0
0°-180°	7927.4	100.0



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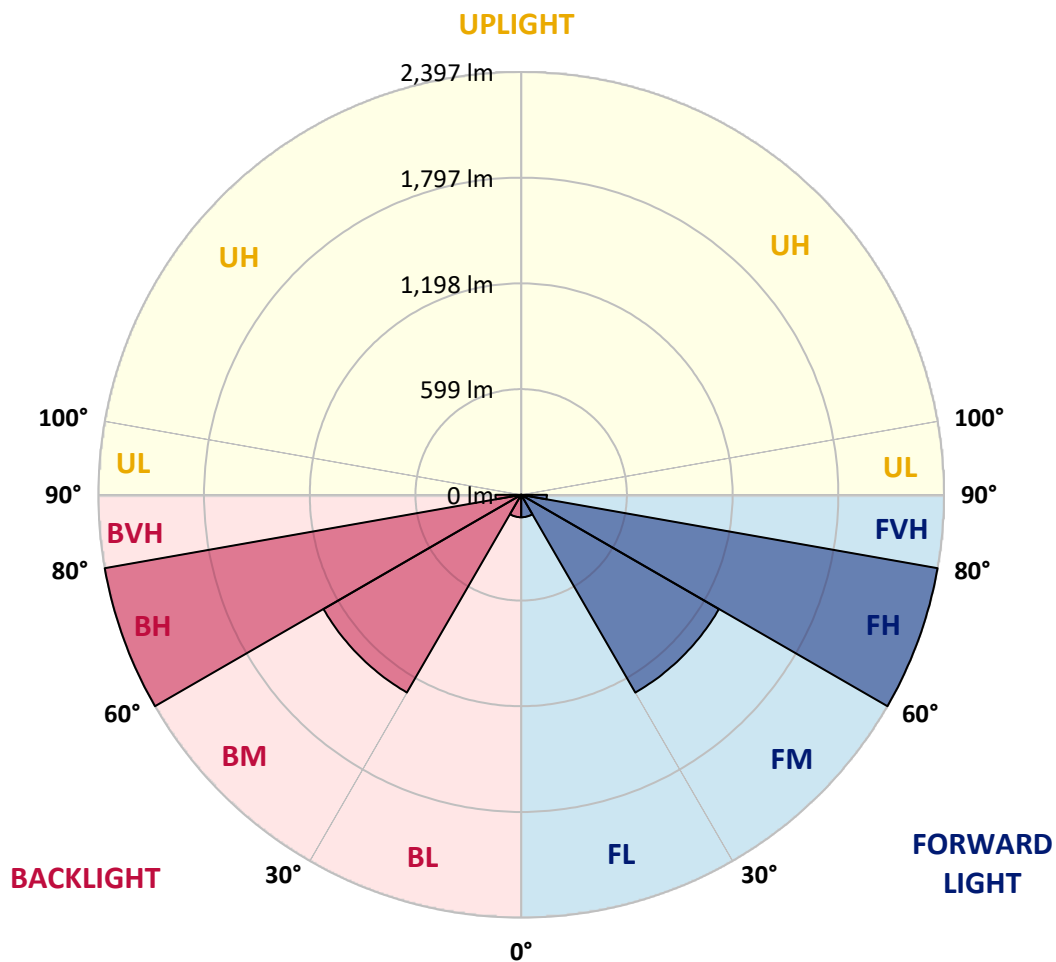
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.1	1.6			
FM (30°-60°)	1294.4	16.3			
FH (60°-80°)	2396.6	30.2			G2/5000
FVH (80°-90°)	145.6	1.8			G2/225
BL (0°-30°)	127.1	1.6	B1/500		
BM (30°-60°)	1294.4	16.3	B2/2500		
BH (60°-80°)	2396.6	30.2	B3/2500		G2/5000
BVH (80°-90°)	145.6	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.5	2.5	2.5	2.5	1.6	1.6	0.9	0.9	1.6	1.6	1.6
5°	49.8	48.9	36.9	17.2	13.7	6.0	2.5	1.6	1.6	1.6	1.6
7.5°	114.2	111.5	109.0	92.6	71.2	50.7	14.6	3.5	2.5	1.6	1.6
10°	124.4	124.4	122.7	120.2	116.7	105.6	59.2	13.7	6.0	5.1	5.1
12.5°	181.1	180.2	171.5	133.8	121.8	119.3	99.5	53.2	35.2	72.0	85.8
15°	247.2	245.3	237.6	214.4	175.0	129.5	156.1	192.1	166.5	177.7	178.5
17.5°	261.6	259.2	249.6	241.0	226.6	217.8	243.7	234.3	185.3	187.8	188.7
20°	337.3	342.3	314.9	271.9	249.6	326.1	268.6	257.5	304.5	338.0	348.4
22.5°	380.2	378.4	369.8	349.3	363.9	338.0	327.7	368.9	369.8	375.0	376.7
25°	441.8	440.2	390.5	371.4	427.2	369.8	431.5	393.0	403.2	433.3	459.0
27.5°	505.3	502.8	492.5	441.8	441.0	486.5	450.4	485.7	537.9	556.8	567.1
30°	564.6	551.6	508.8	522.5	486.5	512.3	519.9	546.6	559.5	590.2	596.4
32.5°	652.1	649.6	627.1	562.9	574.8	543.1	579.1	576.5	708.8	766.2	785.1
35°	744.8	719.1	672.7	649.6	614.4	640.9	603.1	697.5	740.5	809.9	821.1
37.5°	866.5	864.9	814.3	709.5	678.7	673.5	709.5	731.8	788.5	858.9	868.3
40°	931.8	931.8	889.0	806.5	739.6	733.6	754.1	785.1	845.9	921.5	929.1
42.5°	1010.8	1010.8	967.8	879.4	839.0	806.5	811.7	848.5	913.8	1002.1	1012.4
45°	1103.4	1103.4	1073.4	957.6	921.5	885.5	903.4	939.4	1015.9	1103.4	1116.2
47.5°	1214.9	1211.5	1187.5	1058.7	1021.8	979.0	1003.9	1042.5	1122.3	1214.9	1224.4
50°	1334.3	1331.6	1314.4	1180.6	1126.6	1096.6	1119.6	1150.5	1241.5	1338.5	1348.7
52.5°	1460.4	1459.4	1452.6	1328.1	1257.0	1233.8	1253.6	1283.6	1372.8	1477.4	1487.0
55°	1612.2	1616.5	1612.2	1507.4	1421.7	1410.6	1419.1	1438.8	1526.4	1626.7	1632.8
57.5°	1778.6	1781.2	1796.6	1724.6	1630.2	1612.2	1617.3	1631.1	1699.8	1782.1	1788.0
60°	1956.1	1963.1	1993.1	1940.8	1861.8	1863.5	1848.2	1812.2	1885.8	1944.2	1943.4
62.5°	2134.7	2142.4	2199.1	2156.1	2098.6	2130.4	2086.7	1995.7	2080.7	2121.0	2113.3
65°	2330.4	2349.2	2416.1	2399.8	2314.8	2383.6	2315.7	2193.9	2309.7	2312.2	2312.2
67.5°	2574.8	2592.9	2661.5	2631.4	2505.4	2584.2	2506.2	2394.6	2511.3	2497.6	2504.5
70°	2841.7	2859.7	2912.8	2812.6	2674.3	2741.3	2655.5	2543.1	2711.3	2735.2	2729.3
72°	2903.4	2919.8	2985.8	2907.8	2797.1	2852.8	2727.6	2617.8	2786.7	2802.3	2795.3
72.5°	2884.5	2899.2	2972.9	2907.8	2816.7	2877.7	2737.9	2619.5	2774.8	2786.0	2776.4
75°	2497.6	2524.1	2629.8	2697.5	2786.0	2952.4	2697.5	2464.9	2490.7	2458.1	2418.6
77.5°	1609.7	1583.1	1799.2	2075.4	2390.4	2746.5	2366.3	1947.6	1753.8	1591.5	1520.3
80°	477.0	503.6	695.8	1033.9	1616.5	2060.1	1643.9	1045.8	640.0	447.9	427.2
82.5°	95.2	118.3	173.4	271.9	691.5	1125.7	686.3	309.7	209.3	162.1	150.1
85°	36.9	37.8	75.5	85.8	116.7	228.2	164.7	107.3	102.0	67.8	60.9
87.5°	5.1	6.8	11.9	14.6	13.7	7.7	16.3	11.1	6.0	6.0	4.3
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)