

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: P253768

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253768
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8824.9 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - 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

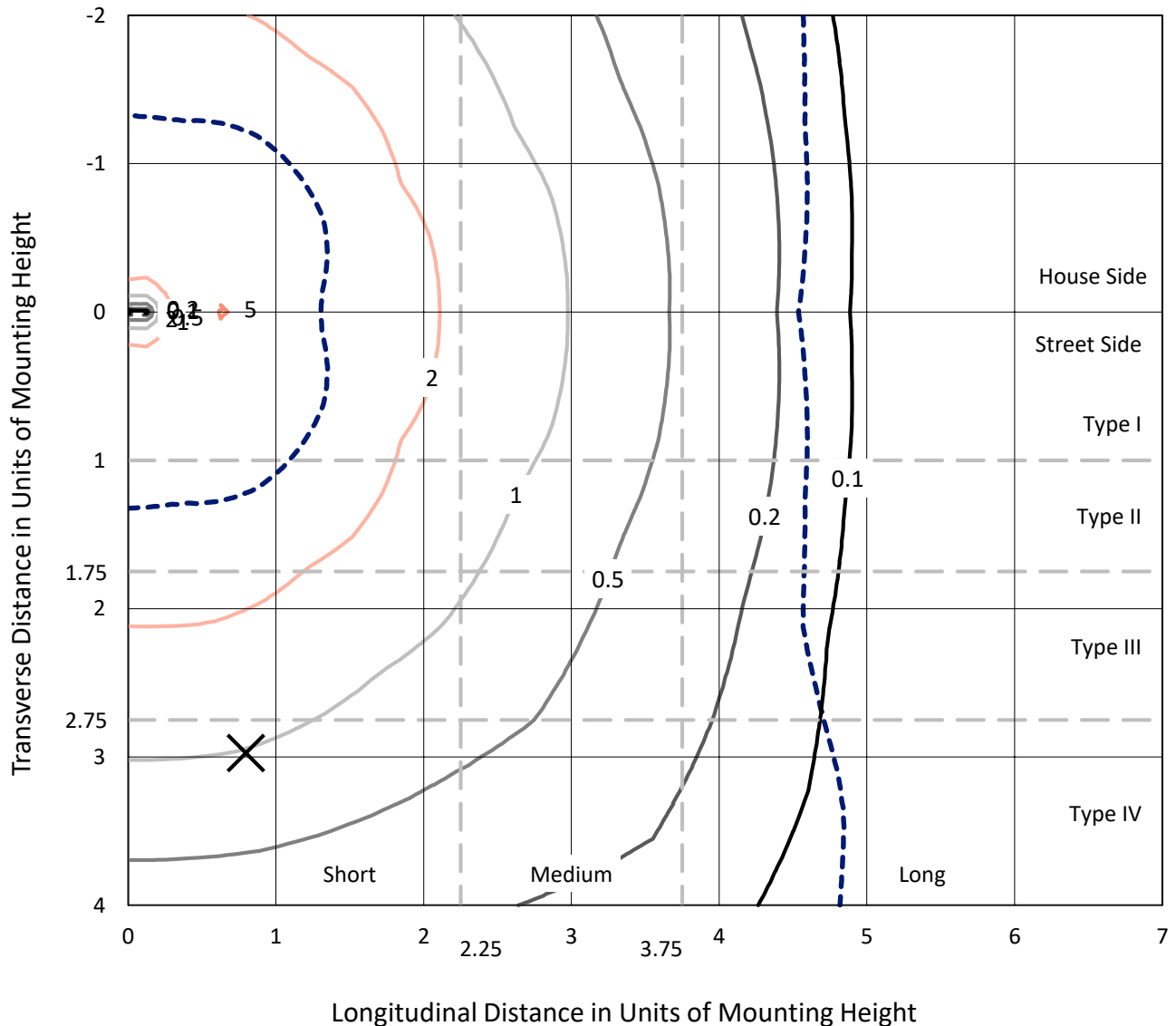


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

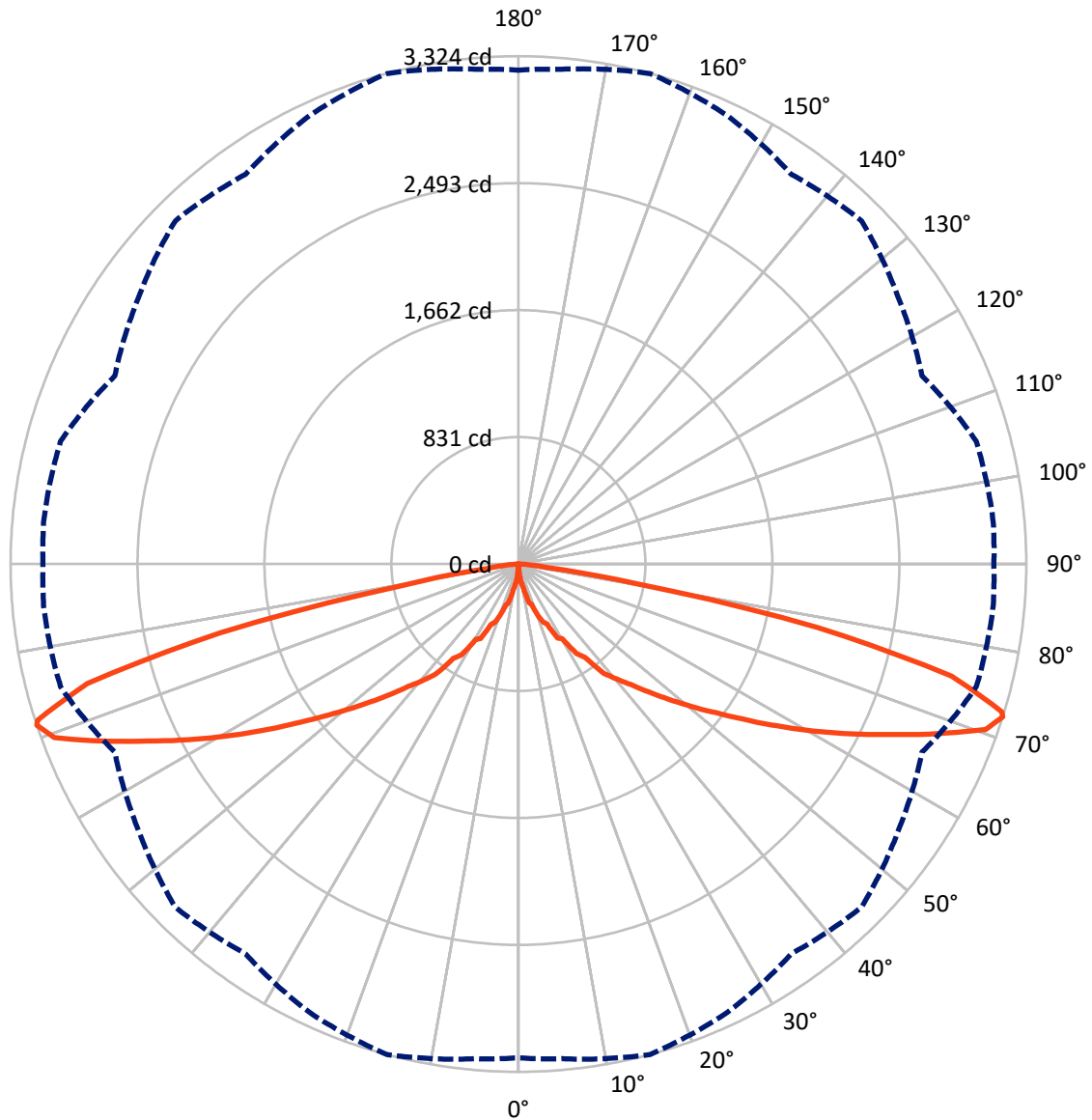


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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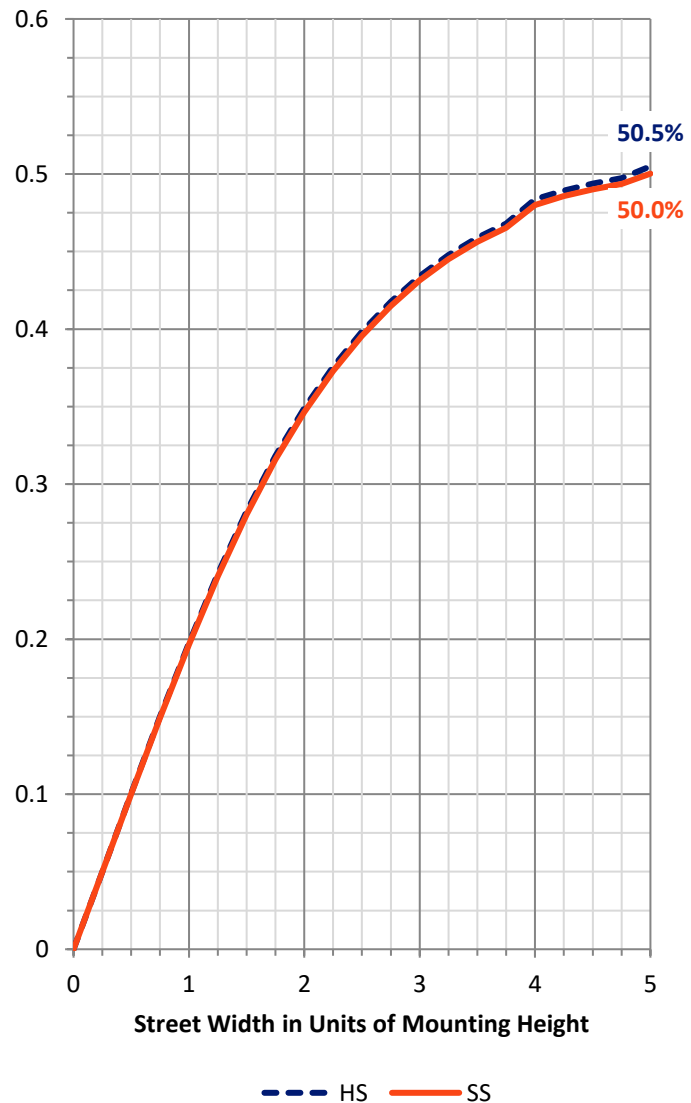
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4412.4	0.0	4412.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4412.4	0.0	4412.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8824.9	0.0	8824.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.0
10°-20°	59.8	0.7
20°-30°	219.0	2.5
30°-40°	483.5	5.5
40°-50°	866.5	9.8
50°-60°	1532.0	17.4
60°-70°	2576.7	29.2
70°-80°	2759.0	31.3
80°-90°	324.2	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°	8824.9	100.0
0°-180°	8824.9	100.0



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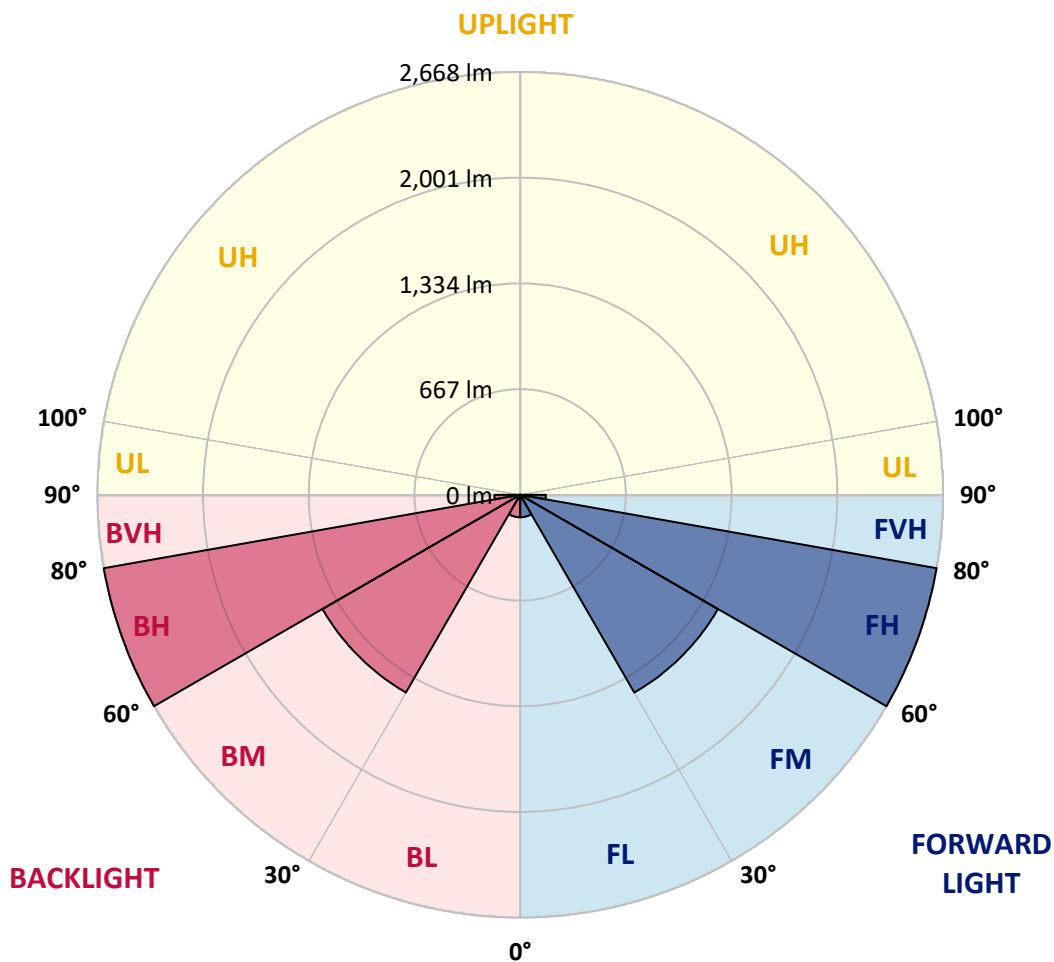
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.5	1.6			
FM	(30°-60°)	1440.9	16.3			
FH	(60°-80°)	2667.9	30.2			G2/5000
FVH	(80°-90°)	162.1	1.8			G2/225
BL	(0°-30°)	141.5	1.6	B1/500		
BM	(30°-60°)	1440.9	16.3	B2/2500		
BH	(60°-80°)	2667.9	30.2	B4/5000		G2/5000
BVH	(80°-90°)	162.1	1.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.8	2.8	2.8	2.8	1.8	1.8	1.0	1.0	1.8	1.8	1.8
5°	55.4	54.4	41.1	19.1	15.3	6.7	2.8	1.8	1.8	1.8	1.8
7.5°	127.1	124.1	121.3	103.1	79.3	56.4	16.3	3.9	2.8	1.8	1.8
10°	138.5	138.5	136.6	133.8	129.9	117.5	65.9	15.3	6.7	5.7	5.7
12.5°	201.6	200.6	190.9	149.0	135.6	132.8	110.8	59.2	39.2	80.2	95.5
15°	275.2	273.1	264.5	238.7	194.8	144.2	173.8	213.9	185.3	197.8	198.7
17.5°	291.2	288.5	277.9	268.3	252.2	242.5	271.3	260.8	206.3	209.1	210.1
20°	375.5	381.1	350.5	302.7	277.9	363.0	299.0	286.6	339.0	376.3	387.8
22.5°	423.2	421.2	411.7	388.8	405.1	376.3	364.8	410.7	411.7	417.4	419.3
25°	491.8	490.0	434.7	413.5	475.6	411.7	480.4	437.5	448.9	482.4	511.0
27.5°	562.5	559.7	548.3	491.8	490.9	541.6	501.4	540.7	598.8	619.8	631.3
30°	628.5	614.1	566.4	581.7	541.6	570.3	578.8	608.5	622.8	657.0	663.9
32.5°	725.9	723.1	698.1	626.6	639.9	604.6	644.7	641.8	789.0	852.9	874.0
35°	829.1	800.5	748.9	723.1	683.9	713.5	671.4	776.5	824.3	901.6	914.1
37.5°	964.6	962.8	906.5	789.8	755.5	749.7	789.8	814.7	877.8	956.1	966.6
40°	1037.3	1037.3	989.6	897.8	823.3	816.6	839.5	874.0	941.7	1025.8	1034.3
42.5°	1125.2	1125.2	1077.4	979.0	934.0	897.8	903.6	944.6	1017.2	1115.5	1127.0
45°	1228.3	1228.3	1194.9	1066.0	1025.8	985.7	1005.7	1045.8	1130.9	1228.3	1242.6
47.5°	1352.4	1348.6	1321.9	1178.6	1137.5	1089.8	1117.5	1160.5	1249.3	1352.4	1363.0
50°	1485.3	1482.3	1463.2	1314.3	1254.1	1220.7	1246.4	1280.8	1382.0	1490.0	1501.4
52.5°	1625.7	1624.6	1617.0	1478.5	1399.3	1373.5	1395.5	1428.9	1528.2	1644.7	1655.3
55°	1794.7	1799.5	1794.7	1678.1	1582.6	1570.3	1579.8	1601.7	1699.2	1810.9	1817.6
57.5°	1980.0	1982.8	2000.0	1919.8	1814.7	1794.7	1800.4	1815.7	1892.2	1983.8	1990.4
60°	2177.6	2185.3	2218.7	2160.5	2072.6	2074.5	2057.4	2017.3	2099.3	2164.3	2163.4
62.5°	2376.4	2384.9	2448.0	2400.2	2336.2	2371.6	2322.9	2221.6	2316.2	2361.1	2352.5
65°	2594.2	2615.1	2689.6	2671.5	2576.9	2653.4	2577.9	2442.3	2571.2	2574.0	2574.0
67.5°	2866.3	2886.4	2962.8	2929.3	2789.0	2876.8	2789.9	2665.7	2795.6	2780.3	2788.0
70°	3163.4	3183.4	3242.6	3131.0	2977.1	3051.6	2956.1	2831.0	3018.2	3044.9	3038.3
72°	3232.1	3250.3	3323.8	3237.0	3113.7	3175.8	3036.4	2914.1	3102.2	3119.5	3111.8
72.5°	3211.1	3227.4	3309.5	3237.0	3135.6	3203.5	3047.8	2916.0	3088.9	3101.4	3090.7
75°	2780.3	2809.9	2927.5	3002.9	3101.4	3286.6	3002.9	2744.0	2772.7	2736.4	2692.4
77.5°	1791.9	1762.3	2002.9	2310.4	2661.0	3057.4	2634.2	2168.1	1952.3	1771.7	1692.4
80°	531.0	560.6	774.6	1150.9	1799.5	2293.3	1830.0	1164.2	712.5	498.6	475.6
82.5°	106.0	131.7	193.0	302.7	769.8	1253.1	764.0	344.8	233.0	180.5	167.1
85°	41.1	42.1	84.0	95.5	129.9	254.0	183.3	119.4	113.6	75.5	67.8
87.5°	5.7	7.6	13.3	16.3	15.3	8.6	18.1	12.4	6.7	6.7	4.8
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)