

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: P253765

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253765
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-AF24-60-D-U-5WQ-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6677.9 lumens
Efficiency: N/A
Efficacy: 104.3 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

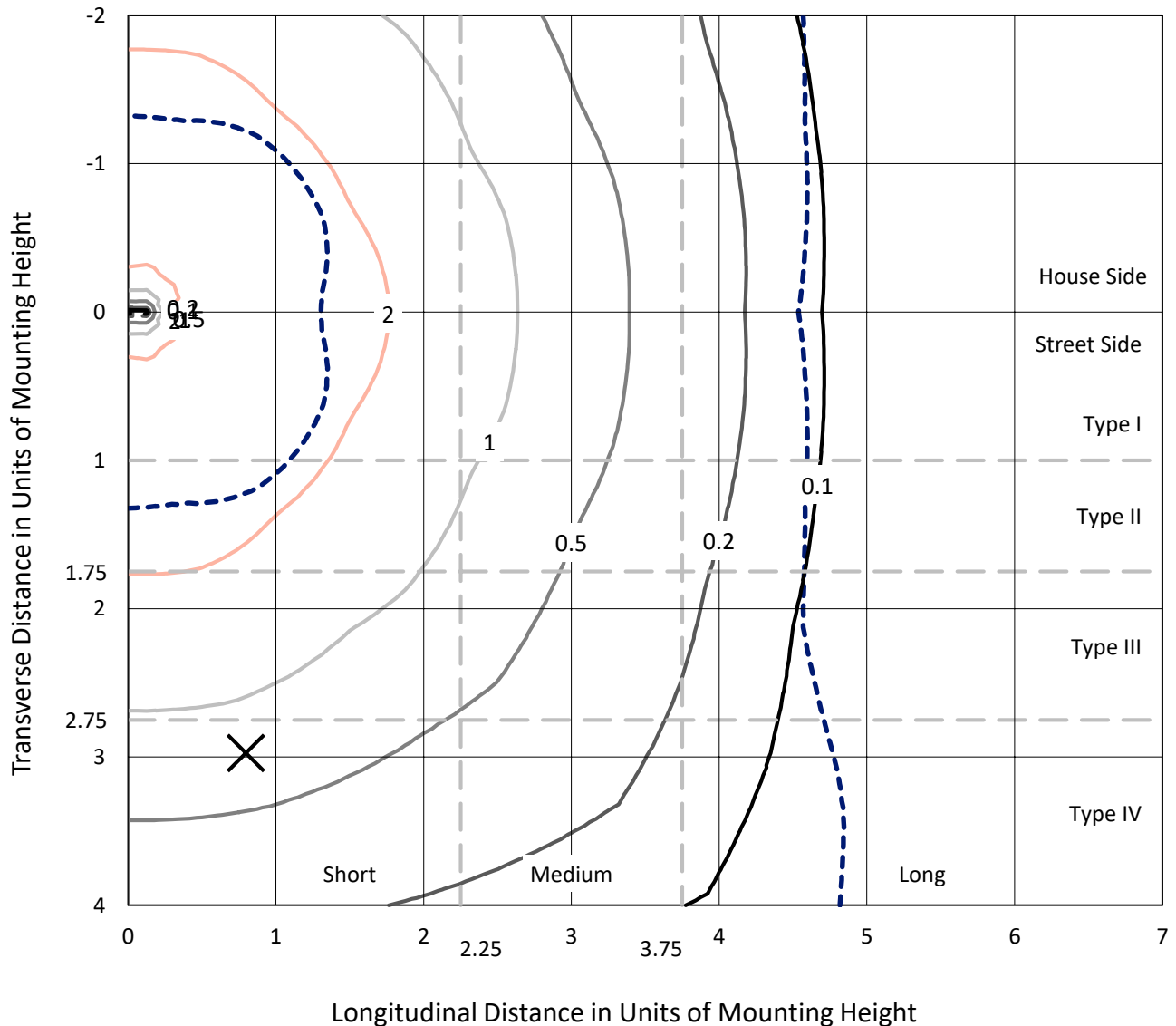
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

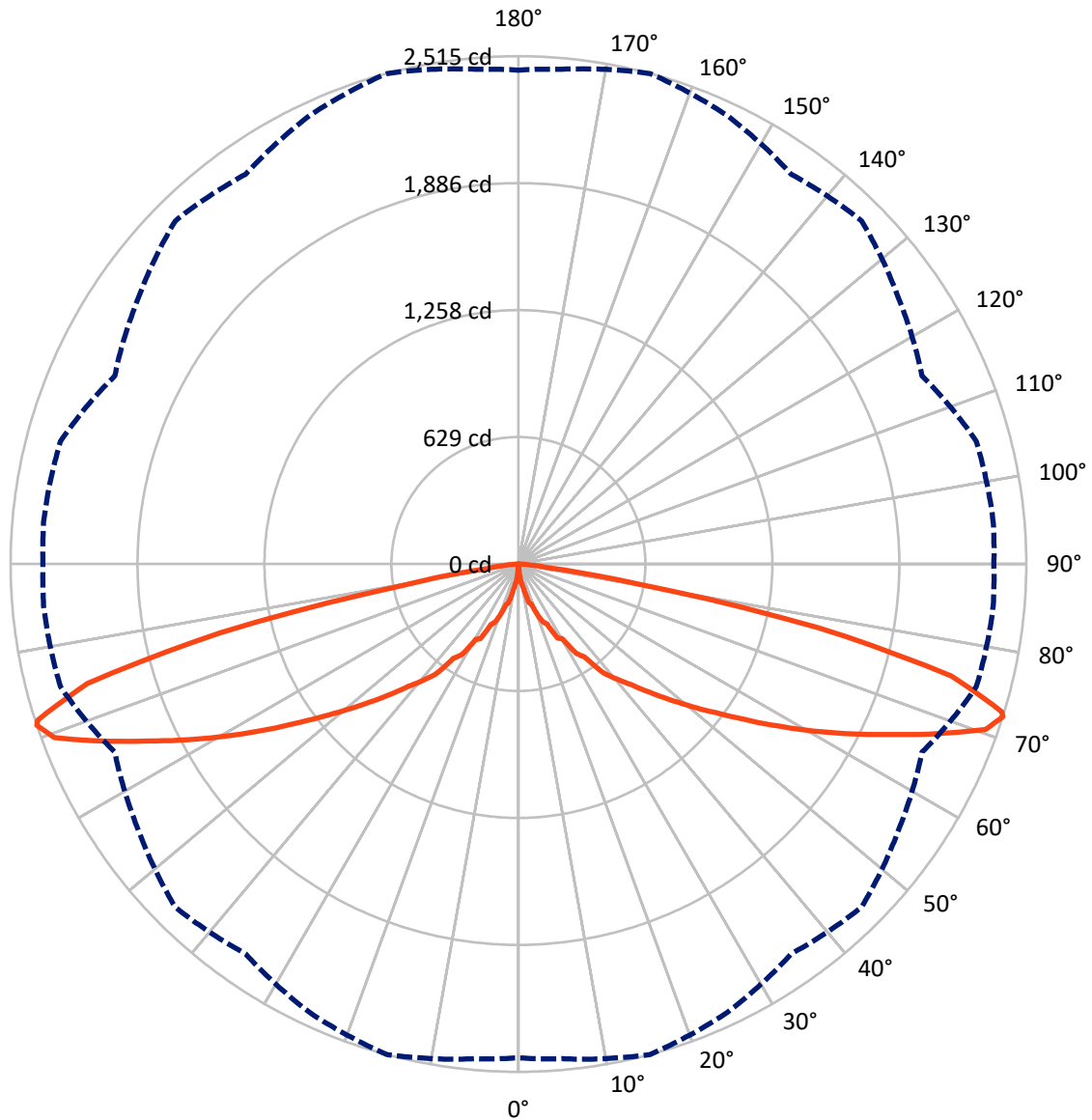
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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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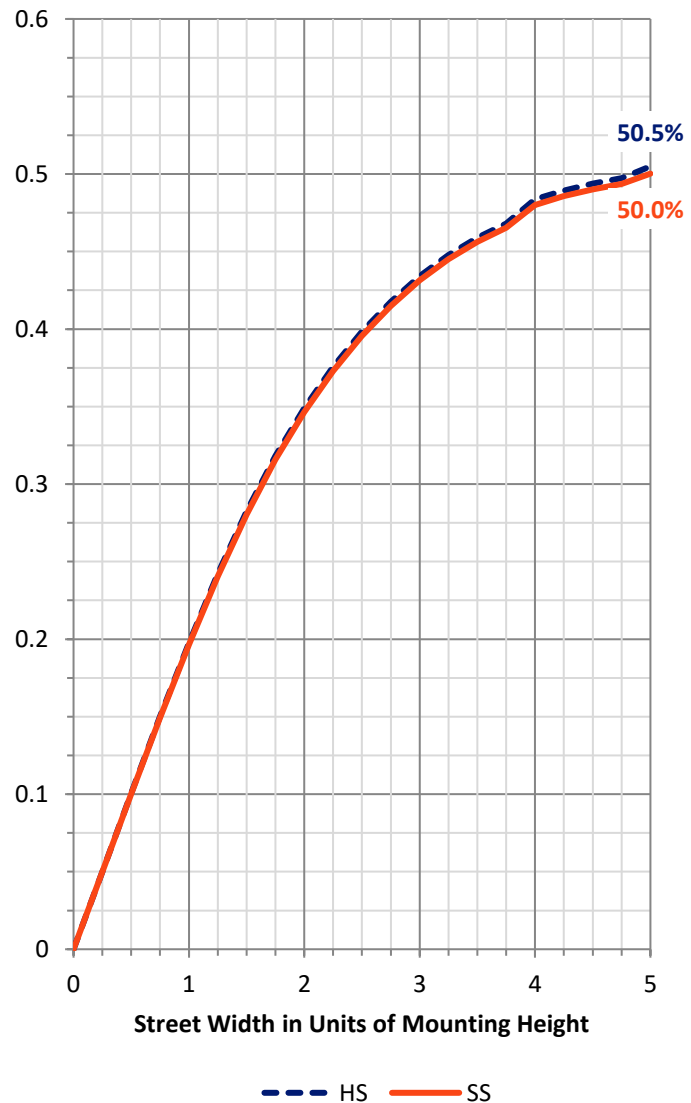
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3339.0	0.0	3339.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3339.0	0.0	3339.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6677.9	0.0	6677.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	45.3	0.7
20°-30°	165.7	2.5
30°-40°	365.8	5.5
40°-50°	655.7	9.8
50°-60°	1159.3	17.4
60°-70°	1949.9	29.2
70°-80°	2087.8	31.3
80°-90°	245.4	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°	6677.9	100.0
0°-180°	6677.9	100.0



REPORT NUMBER: P253765

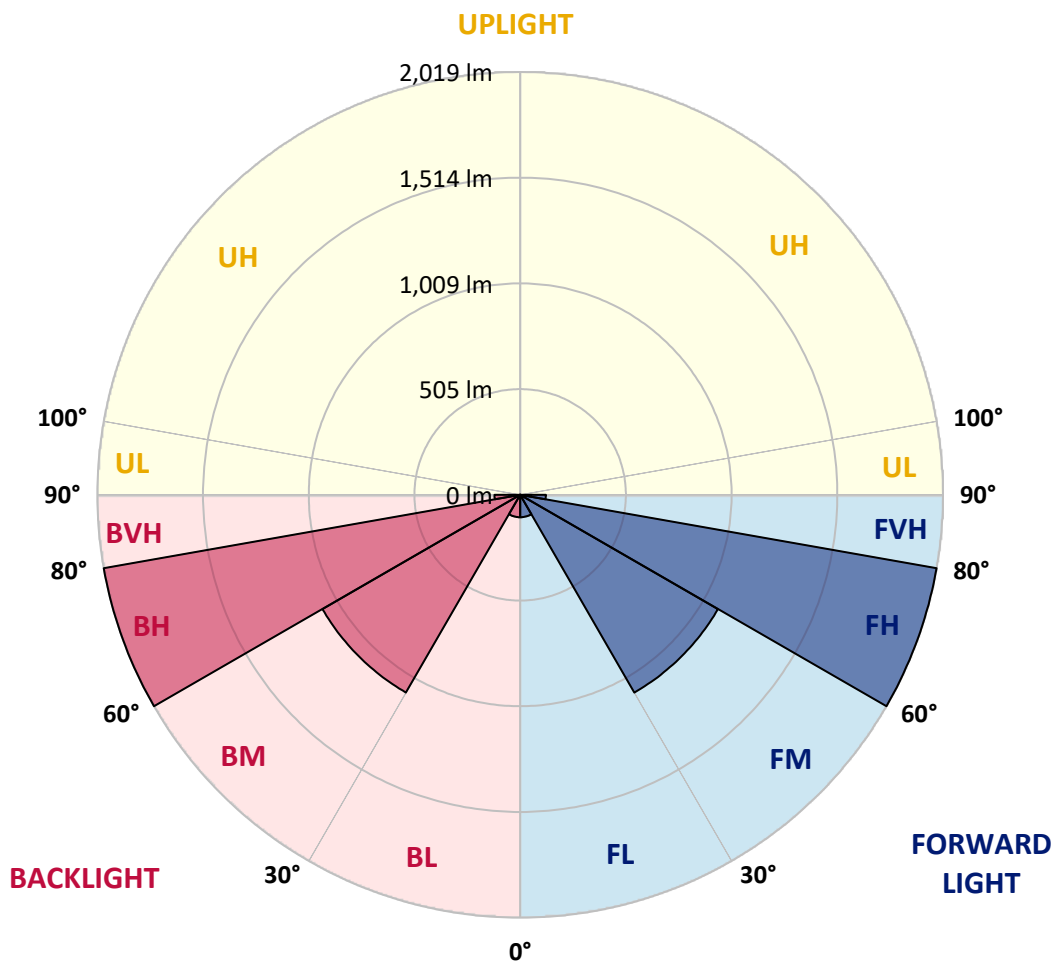
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.1	1.6			
FM (30°-60°)	1090.4	16.3			
FH (60°-80°)	2018.8	30.2			G2/5000
FVH (80°-90°)	122.7	1.8			G2/225
BL (0°-30°)	107.1	1.6	B0/110		
BM (30°-60°)	1090.4	16.3	B2/2500		
BH (60°-80°)	2018.8	30.2	B3/2500		G2/5000
BVH (80°-90°)	122.7	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.1	2.1	2.1	2.1	1.4	1.4	0.8	0.8	1.4	1.4	1.4
5°	41.9	41.2	31.0	14.4	11.6	5.0	2.1	1.4	1.4	1.4	1.4
7.5°	96.1	94.0	91.8	78.0	60.0	42.6	12.2	2.8	2.1	1.4	1.4
10°	104.8	104.8	103.4	101.2	98.4	88.9	49.8	11.6	5.0	4.4	4.4
12.5°	152.5	151.8	144.5	112.7	102.6	100.4	83.8	44.8	29.6	60.7	72.3
15°	208.1	206.7	200.2	180.8	147.4	109.2	131.5	161.9	140.2	149.5	150.3
17.5°	220.4	218.3	210.4	203.1	190.7	183.5	205.3	197.3	156.1	158.3	159.0
20°	284.1	288.3	265.3	229.1	210.4	274.7	226.2	216.9	256.5	284.7	293.5
22.5°	320.1	318.7	311.5	294.1	306.5	284.7	276.1	310.8	311.5	315.9	317.3
25°	372.2	370.8	328.9	312.9	359.9	311.5	363.5	331.0	339.7	365.0	386.7
27.5°	425.7	423.5	414.8	372.2	371.5	409.8	379.4	409.0	453.2	469.0	477.8
30°	475.6	464.7	428.7	440.2	409.8	431.5	438.0	460.4	471.2	497.2	502.3
32.5°	549.2	547.2	528.4	474.0	484.2	457.5	487.9	485.6	597.0	645.4	661.3
35°	627.3	605.7	566.6	547.2	517.5	539.8	508.0	587.6	623.8	682.4	691.7
37.5°	730.0	728.5	685.9	597.7	571.8	567.4	597.7	616.6	664.2	723.6	731.4
40°	784.9	784.9	748.8	679.4	623.0	618.0	635.4	661.3	712.6	776.3	782.8
42.5°	851.4	851.4	815.3	740.8	706.9	679.4	683.8	714.8	769.7	844.1	852.9
45°	929.5	929.5	904.1	806.6	776.3	745.9	761.1	791.5	855.7	929.5	940.2
47.5°	1023.4	1020.5	1000.3	891.9	860.9	824.7	845.6	878.1	945.4	1023.4	1031.4
50°	1123.8	1121.8	1107.3	994.5	949.0	923.7	943.2	969.2	1045.8	1127.5	1136.2
52.5°	1230.1	1229.3	1223.6	1118.9	1058.8	1039.3	1056.0	1081.2	1156.4	1244.6	1252.5
55°	1358.1	1361.7	1358.1	1269.9	1197.6	1188.2	1195.4	1212.0	1285.8	1370.3	1375.3
57.5°	1498.3	1500.4	1513.5	1452.7	1373.3	1358.1	1362.4	1373.9	1431.8	1501.2	1506.2
60°	1647.8	1653.6	1679.0	1634.8	1568.4	1569.8	1556.8	1526.5	1588.6	1637.8	1637.0
62.5°	1798.2	1804.8	1852.4	1816.3	1767.9	1794.6	1757.8	1681.2	1752.7	1786.6	1780.2
65°	1963.1	1978.9	2035.3	2021.6	1950.0	2007.8	1950.8	1848.1	1945.7	1947.9	1947.9
67.5°	2169.1	2184.2	2242.0	2216.7	2110.5	2177.0	2111.2	2017.3	2115.5	2103.9	2109.7
70°	2393.8	2408.9	2453.8	2369.2	2252.8	2309.2	2237.0	2142.2	2283.9	2304.2	2299.2
72°	2445.8	2459.5	2515.1	2449.4	2356.1	2403.1	2297.6	2205.2	2347.6	2360.5	2354.7
72.5°	2429.9	2442.2	2504.3	2449.4	2372.8	2424.1	2306.4	2206.6	2337.4	2346.8	2338.8
75°	2103.9	2126.4	2215.2	2272.4	2346.8	2487.0	2272.4	2076.5	2098.3	2070.7	2037.4
77.5°	1355.9	1333.5	1515.7	1748.3	2013.6	2313.6	1993.3	1640.6	1477.3	1340.7	1280.7
80°	401.8	424.3	586.1	870.9	1361.7	1735.4	1384.8	881.0	539.2	377.3	359.9
82.5°	80.2	99.8	146.0	229.1	582.6	948.3	578.2	260.9	176.4	136.6	126.5
85°	31.0	31.8	63.6	72.3	98.4	192.3	138.8	90.3	86.0	57.2	51.4
87.5°	4.4	5.8	10.2	12.2	11.6	6.5	13.7	9.4	5.0	5.0	3.6
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)