

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: P253774

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253774  
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  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 7063.5 lumens  
Efficiency: N/A  
Efficacy: 110.4 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

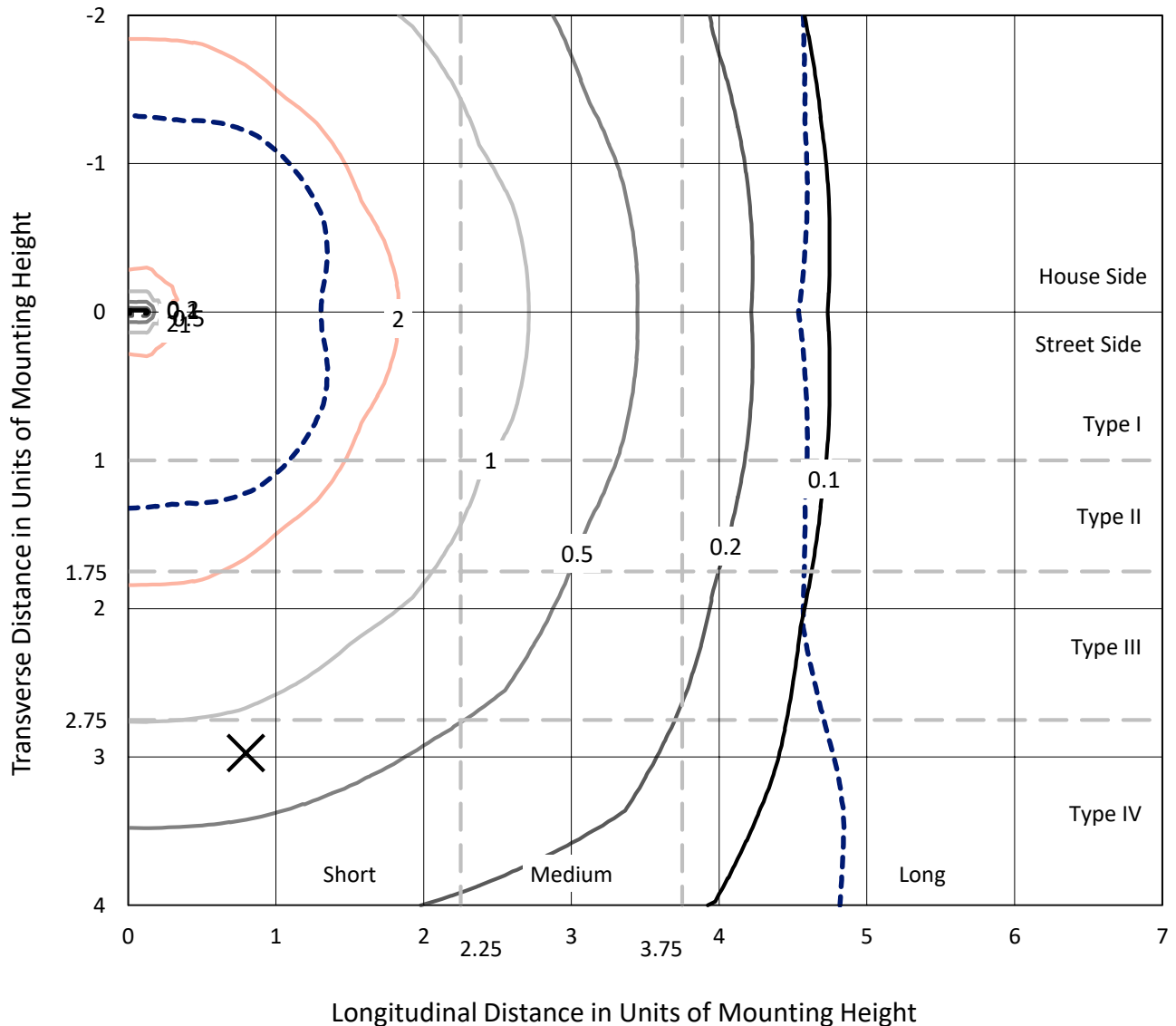


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

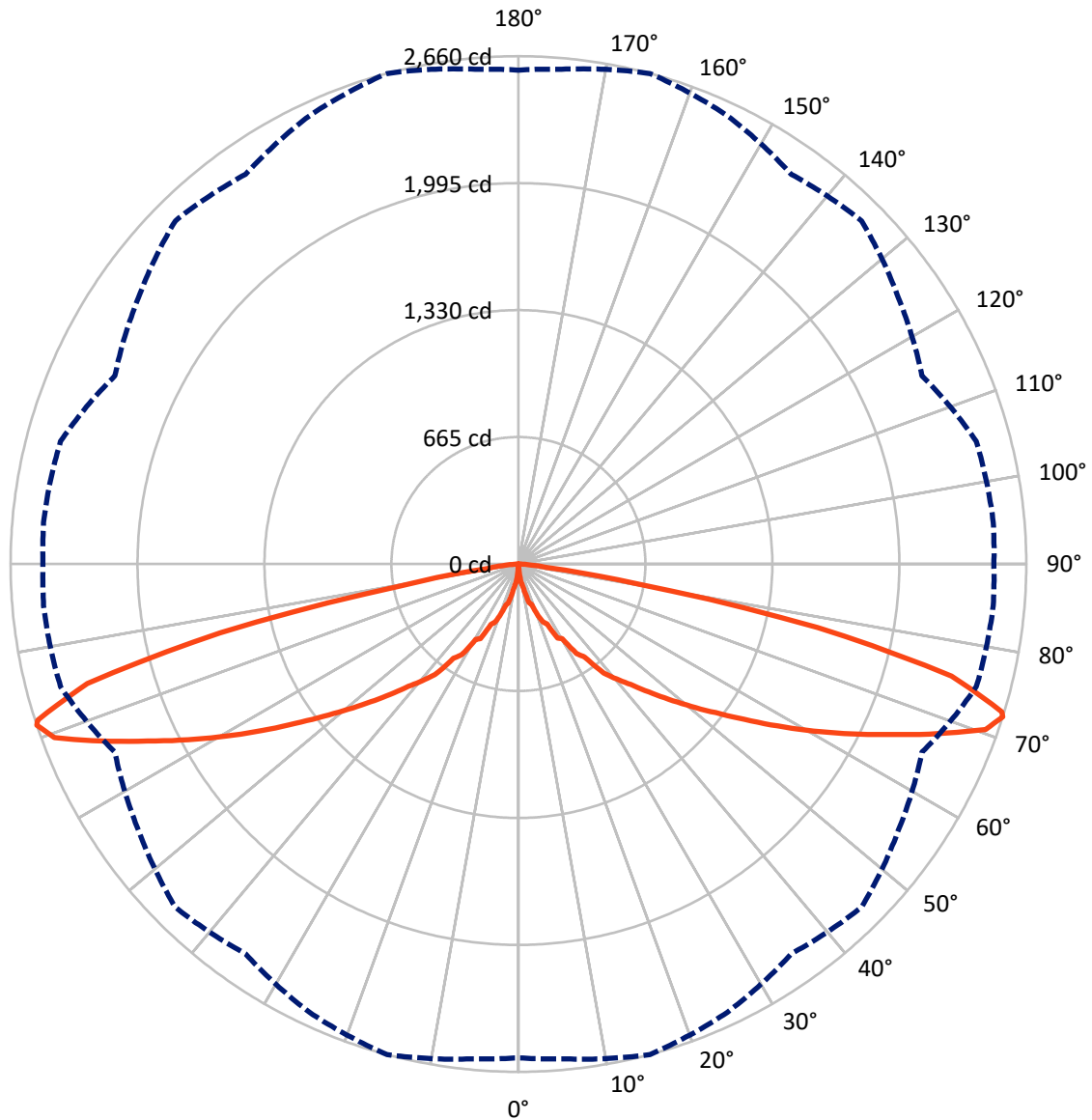


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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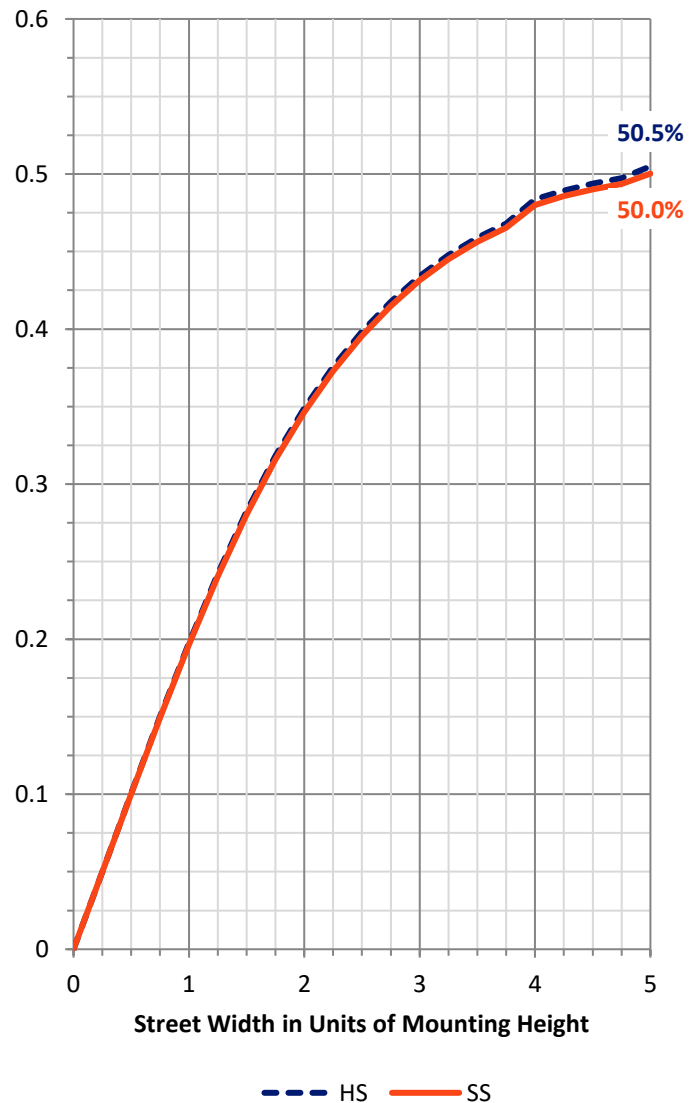
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3531.7	0.0	3531.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3531.7	0.0	3531.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7063.5	0.0	7063.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	47.9	0.7
20°-30°	175.3	2.5
30°-40°	387.0	5.5
40°-50°	693.5	9.8
50°-60°	1226.2	17.4
60°-70°	2062.4	29.2
70°-80°	2208.3	31.3
80°-90°	259.5	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°	7063.5	100.0
0°-180°	7063.5	100.0



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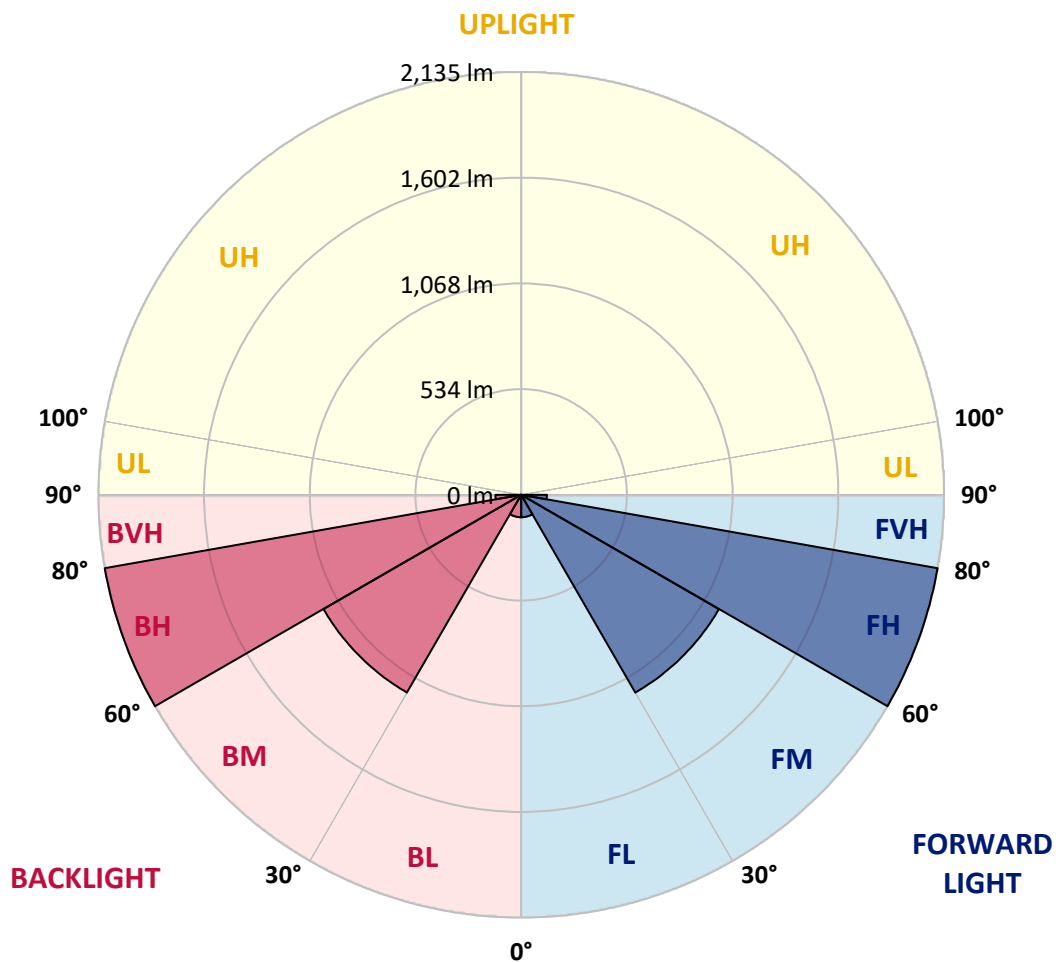
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.3	1.6			
FM (30°-60°)	1153.3	16.3			
FH (60°-80°)	2135.4	30.2			G2/5000
FVH (80°-90°)	129.8	1.8			G2/225
BL (0°-30°)	113.3	1.6	B1/500		
BM (30°-60°)	1153.3	16.3	B2/2500		
BH (60°-80°)	2135.4	30.2	B3/2500		G2/5000
BVH (80°-90°)	129.8	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°	2.3	2.3	2.3	2.3	1.5	1.5	0.7	0.7	1.5	1.5	1.5
5°	44.3	43.6	32.8	15.2	12.3	5.3	2.3	1.5	1.5	1.5	1.5
7.5°	101.7	99.4	97.1	82.6	63.4	45.1	13.0	3.1	2.3	1.5	1.5
10°	110.9	110.9	109.4	107.0	103.9	94.0	52.8	12.3	5.3	4.6	4.6
12.5°	161.3	160.5	152.9	119.3	108.5	106.3	88.7	47.4	31.3	64.2	76.4
15°	220.1	218.6	211.8	191.1	156.0	115.4	139.1	171.2	148.3	158.3	159.0
17.5°	233.1	230.9	222.5	214.8	201.8	194.2	217.1	208.7	165.1	167.5	168.2
20°	300.4	305.0	280.6	242.3	222.5	290.5	239.3	229.3	271.4	301.2	310.4
22.5°	338.7	337.2	329.5	311.2	324.2	301.2	292.1	328.8	329.5	334.1	335.6
25°	393.7	392.2	347.8	331.0	380.7	329.5	384.5	350.2	359.3	386.1	409.0
27.5°	450.3	448.0	438.8	393.7	392.9	433.4	401.4	432.7	479.4	496.1	505.3
30°	503.0	491.5	453.4	465.5	433.4	456.4	463.3	487.0	498.5	526.0	531.3
32.5°	581.0	578.7	558.8	501.6	512.2	484.0	516.1	513.7	631.5	682.7	699.5
35°	663.6	640.7	599.3	578.7	547.4	571.1	537.5	621.5	659.7	721.7	731.6
37.5°	772.1	770.6	725.5	632.2	604.7	600.2	632.2	652.1	702.6	765.3	773.7
40°	830.2	830.2	792.0	718.6	659.0	653.7	672.0	699.5	753.8	821.0	828.0
42.5°	900.6	900.6	862.3	783.6	747.7	718.6	723.2	756.1	814.2	892.9	902.1
45°	983.2	983.2	956.4	853.1	821.0	788.9	805.0	837.1	905.1	983.2	994.6
47.5°	1082.5	1079.4	1058.0	943.4	910.5	872.3	894.5	928.8	999.9	1082.5	1090.9
50°	1188.8	1186.5	1171.2	1051.9	1003.8	977.0	997.7	1025.2	1106.2	1192.6	1201.8
52.5°	1301.2	1300.4	1294.2	1183.5	1119.9	1099.4	1117.0	1143.7	1223.1	1316.4	1324.8
55°	1436.4	1440.3	1436.4	1343.2	1266.7	1256.8	1264.5	1282.1	1360.0	1449.4	1454.8
57.5°	1584.8	1587.1	1600.8	1536.6	1452.5	1436.4	1441.0	1453.3	1514.5	1587.8	1593.1
60°	1743.0	1749.1	1775.9	1729.3	1658.9	1660.5	1646.7	1614.6	1680.3	1732.4	1731.5
62.5°	1902.1	1908.9	1959.4	1921.2	1870.0	1898.2	1859.2	1778.2	1853.9	1889.8	1882.9
65°	2076.4	2093.2	2152.8	2138.3	2062.6	2123.7	2063.4	1954.8	2058.0	2060.3	2060.3
67.5°	2294.3	2310.2	2371.4	2344.7	2232.3	2302.7	2233.1	2133.7	2237.6	2225.4	2231.6
70°	2532.0	2548.1	2595.4	2506.0	2382.9	2442.5	2366.1	2265.9	2415.8	2437.2	2431.9
72°	2587.0	2601.6	2660.4	2590.8	2492.2	2541.9	2430.3	2332.4	2483.0	2496.8	2490.7
72.5°	2570.2	2583.2	2648.9	2590.8	2509.8	2564.1	2439.4	2334.0	2472.4	2482.3	2473.9
75°	2225.4	2249.2	2343.2	2403.5	2482.3	2630.6	2403.5	2196.4	2219.3	2190.2	2155.1
77.5°	1434.2	1410.4	1603.2	1849.3	2129.9	2447.1	2108.4	1735.3	1562.7	1418.1	1354.7
80°	425.0	448.8	620.0	921.2	1440.3	1835.5	1464.8	931.9	570.3	399.1	380.7
82.5°	84.9	105.5	154.5	242.3	616.2	1003.0	611.6	276.0	186.5	144.4	133.8
85°	32.8	33.7	67.3	76.4	103.9	203.4	146.8	95.5	90.9	60.4	54.3
87.5°	4.6	6.1	10.7	13.0	12.3	6.9	14.5	9.9	5.3	5.3	3.8
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)