

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: P253777

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253777  
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  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 9334.4 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

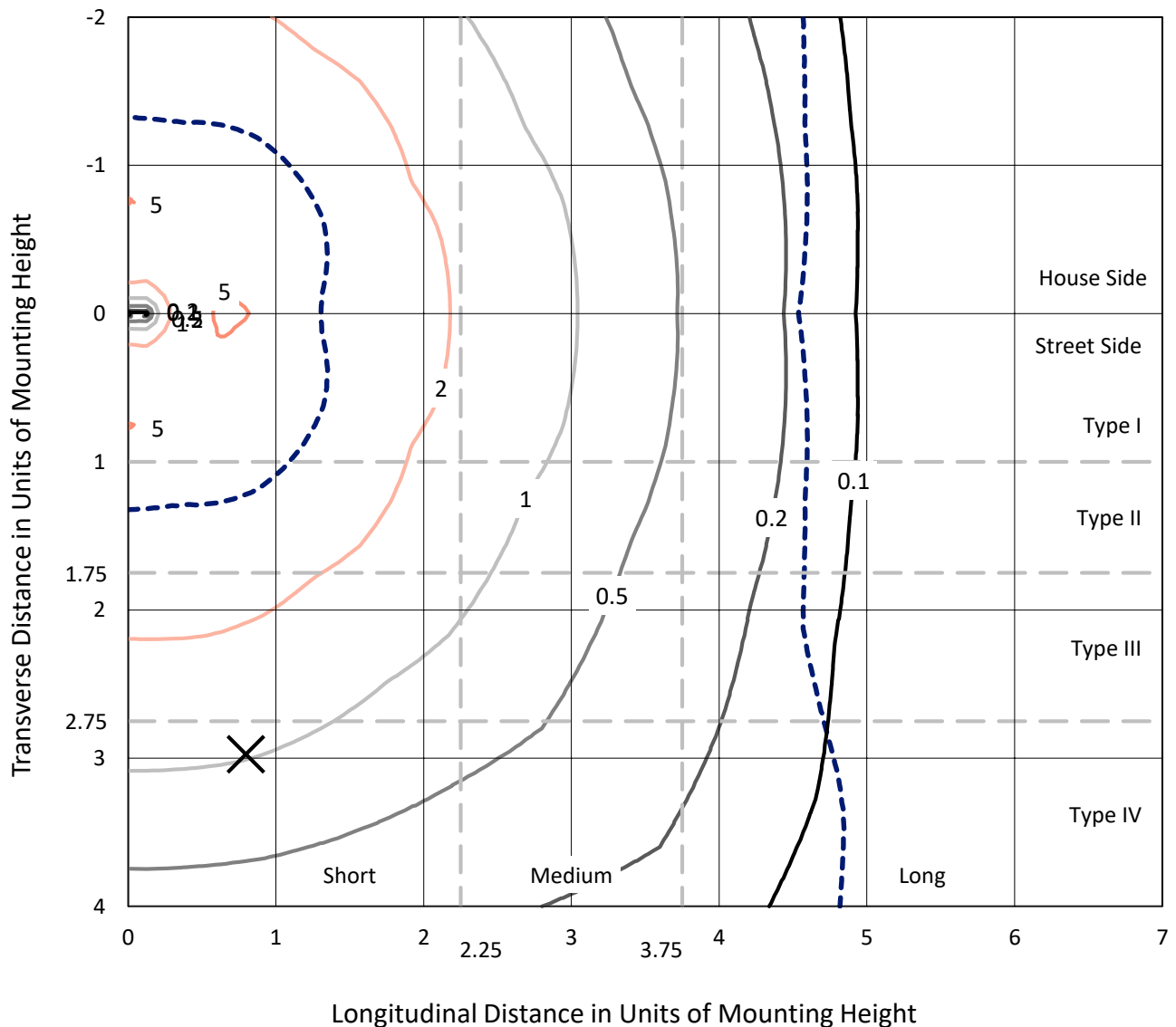


REPORT NUMBER: P253777

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

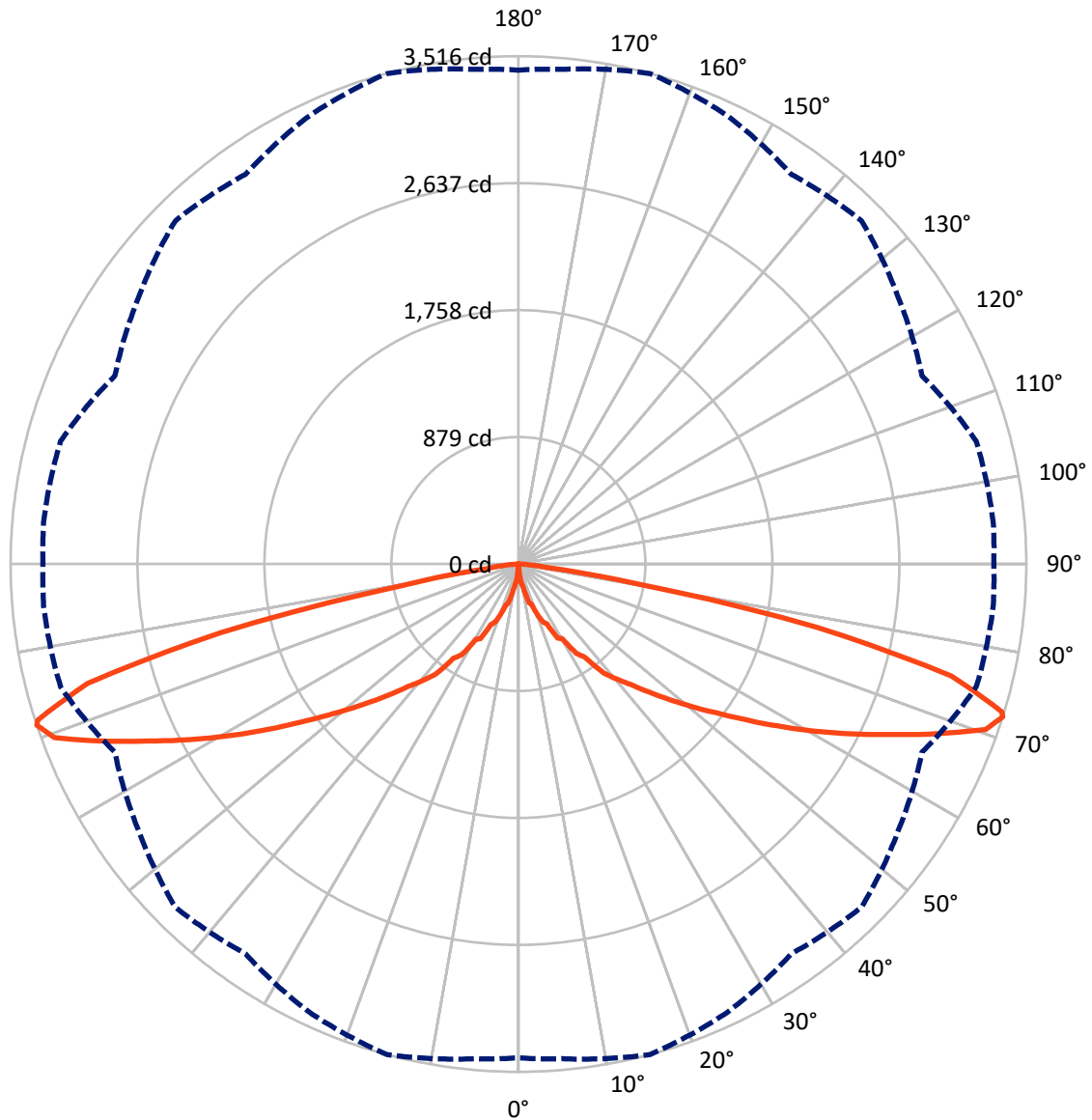


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P253777

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P253777

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-5WQ

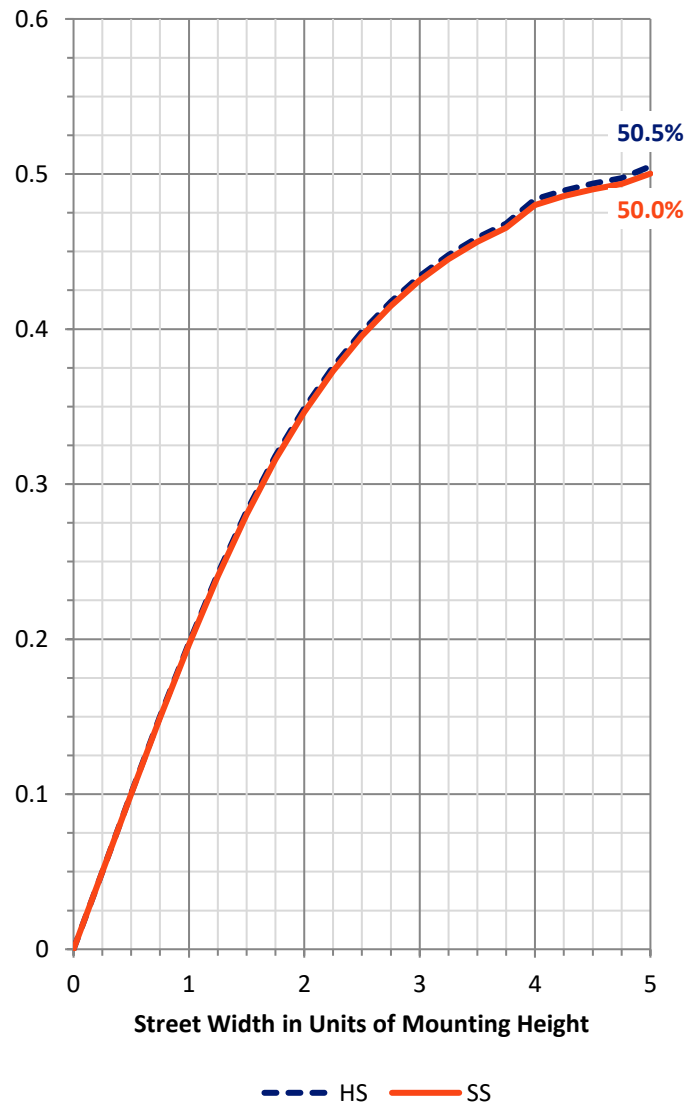
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4667.2	0.0	4667.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4667.2	0.0	4667.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9334.4	0.0	9334.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.4	0.0
10°-20°	63.3	0.7
20°-30°	231.7	2.5
30°-40°	511.4	5.5
40°-50°	916.5	9.8
50°-60°	1620.4	17.4
60°-70°	2725.5	29.2
70°-80°	2918.3	31.3
80°-90°	342.9	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°	9334.4	100.0
0°-180°	9334.4	100.0



REPORT NUMBER: P253777

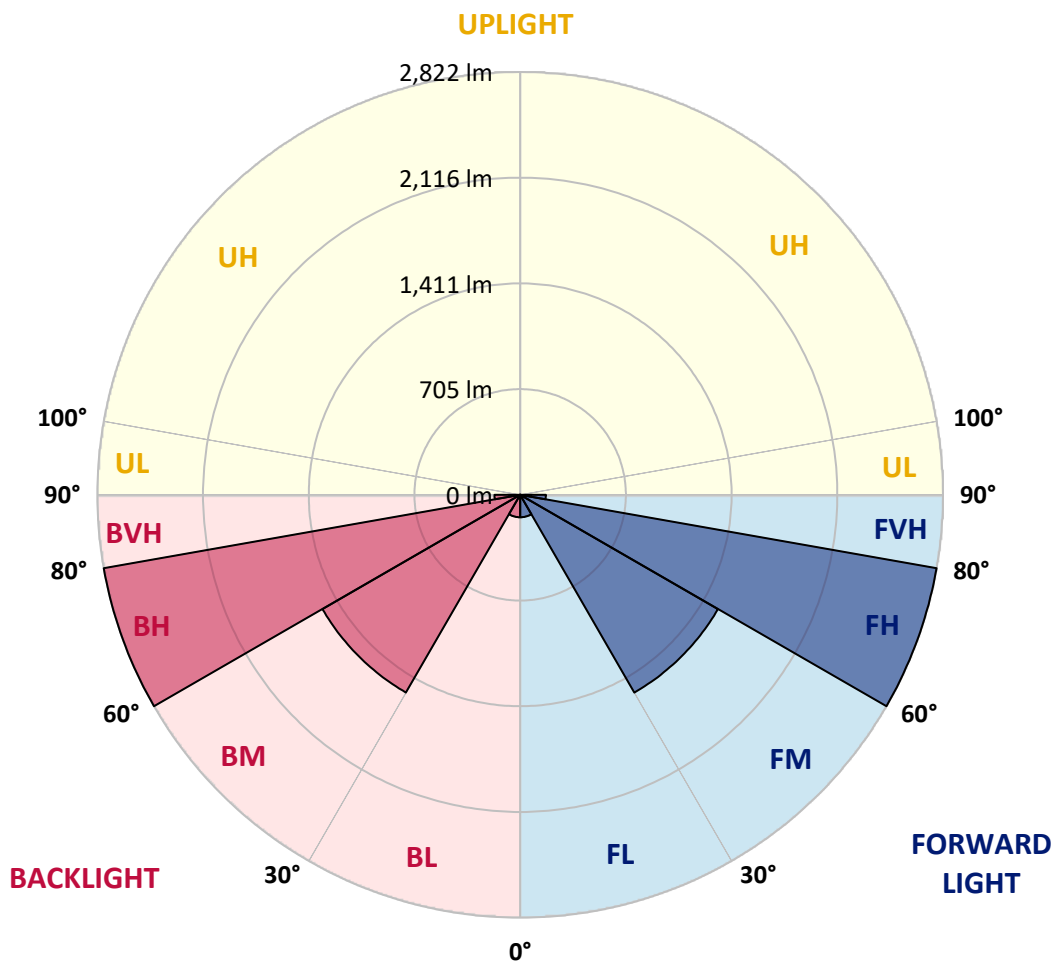
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-5WQ

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.7	1.6			
FM	(30°-60°)	1524.2	16.3			
FH	(60°-80°)	2821.9	30.2			G2/5000
FVH	(80°-90°)	171.5	1.8			G2/225
BL	(0°-30°)	149.7	1.6	B1/500		
BM	(30°-60°)	1524.2	16.3	B2/2500		
BH	(60°-80°)	2821.9	30.2	B4/5000		G2/5000
BVH	(80°-90°)	171.5	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





REPORT NUMBER: P253777

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-5WQ

**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°	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	2.0	2.0	2.0
5°	58.6	57.6	43.5	20.3	16.2	7.1	3.1	2.0	2.0	2.0	2.0
7.5°	134.4	131.3	128.3	109.1	83.9	59.6	17.2	4.1	3.1	2.0	2.0
10°	146.5	146.5	144.4	141.5	137.4	124.3	69.7	16.2	7.1	6.0	6.0
12.5°	213.2	212.2	202.0	157.6	143.4	140.5	117.2	62.6	41.4	84.9	101.1
15°	290.9	289.0	279.9	252.6	206.1	152.5	183.8	226.3	196.0	209.1	210.1
17.5°	308.1	305.1	294.0	283.9	266.7	256.7	286.9	275.8	218.2	221.3	222.3
20°	397.0	403.1	370.8	320.3	294.0	383.9	316.2	303.1	358.6	398.0	410.2
22.5°	447.5	445.5	435.5	411.2	428.3	398.0	386.0	434.4	435.5	441.5	443.6
25°	520.3	518.2	459.7	437.4	503.1	435.5	508.2	462.7	474.9	510.1	540.5
27.5°	595.1	592.0	579.9	520.3	519.2	572.9	530.4	571.8	633.4	655.7	667.8
30°	664.7	649.6	599.1	615.3	572.9	603.1	612.2	643.5	658.7	695.1	702.2
32.5°	767.8	764.8	738.5	662.8	676.9	639.5	681.9	678.9	834.5	902.1	924.4
35°	876.9	846.6	792.1	764.8	723.3	754.6	710.2	821.3	871.9	953.7	966.8
37.5°	1020.4	1018.3	958.7	835.5	799.1	793.1	835.5	861.7	928.4	1011.3	1022.4
40°	1097.1	1097.1	1046.7	949.7	870.8	863.8	888.0	924.4	996.1	1085.0	1094.1
42.5°	1190.1	1190.1	1139.6	1035.5	988.1	949.7	955.7	999.1	1075.9	1180.0	1192.1
45°	1299.2	1299.2	1263.9	1127.5	1085.0	1042.6	1063.9	1106.2	1196.1	1299.2	1314.4
47.5°	1430.6	1426.5	1398.2	1246.7	1203.2	1152.8	1182.0	1227.4	1321.4	1430.6	1441.6
50°	1570.9	1568.0	1547.7	1390.1	1326.5	1291.2	1318.4	1354.8	1461.9	1576.1	1588.1
52.5°	1719.5	1718.5	1710.4	1563.9	1480.0	1452.8	1476.0	1511.4	1616.5	1739.7	1750.8
55°	1898.3	1903.4	1898.3	1775.0	1674.1	1660.9	1671.0	1694.2	1797.3	1915.5	1922.5
57.5°	2094.3	2097.4	2115.5	2030.7	1919.6	1898.3	1904.3	1920.5	2001.3	2098.4	2105.4
60°	2303.4	2311.5	2346.9	2285.3	2192.3	2194.3	2176.1	2133.7	2220.6	2289.3	2288.2
62.5°	2513.6	2522.7	2589.3	2538.9	2471.1	2508.5	2457.0	2349.9	2449.9	2497.4	2488.3
65°	2743.9	2766.2	2844.9	2825.7	2725.8	2806.6	2726.8	2583.3	2719.6	2722.7	2722.7
67.5°	3031.8	3053.0	3133.9	3098.5	2950.0	3043.0	2951.0	2819.7	2957.0	2940.9	2949.0
70°	3346.1	3367.2	3429.9	3311.7	3149.1	3227.8	3126.8	2994.5	3192.4	3220.8	3213.7
72°	3418.8	3437.9	3515.8	3423.8	3293.5	3359.2	3211.7	3082.4	3281.3	3299.5	3291.4
72.5°	3396.5	3413.7	3500.6	3423.8	3316.7	3388.4	3223.8	3084.4	3267.2	3280.4	3269.2
75°	2940.9	2972.2	3096.5	3176.3	3280.4	3476.4	3176.3	2902.5	2932.8	2894.4	2848.0
77.5°	1895.3	1863.9	2118.5	2443.8	2814.6	3233.9	2786.3	2293.4	2065.0	1874.0	1790.2
80°	561.7	593.0	819.3	1217.4	1903.4	2425.6	1935.7	1231.5	753.7	527.3	503.1
82.5°	112.1	139.4	204.1	320.3	814.3	1325.4	808.2	364.7	246.5	191.0	176.8
85°	43.5	44.5	88.9	101.1	137.4	268.7	194.0	126.3	120.2	79.8	71.7
87.5°	6.0	8.1	14.1	17.2	16.2	9.1	19.2	13.1	7.1	7.1	5.0
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)