

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: P694885

Luminaire Tested: **LXF.LXT-PA16-30-750-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694885  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-750-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4015 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

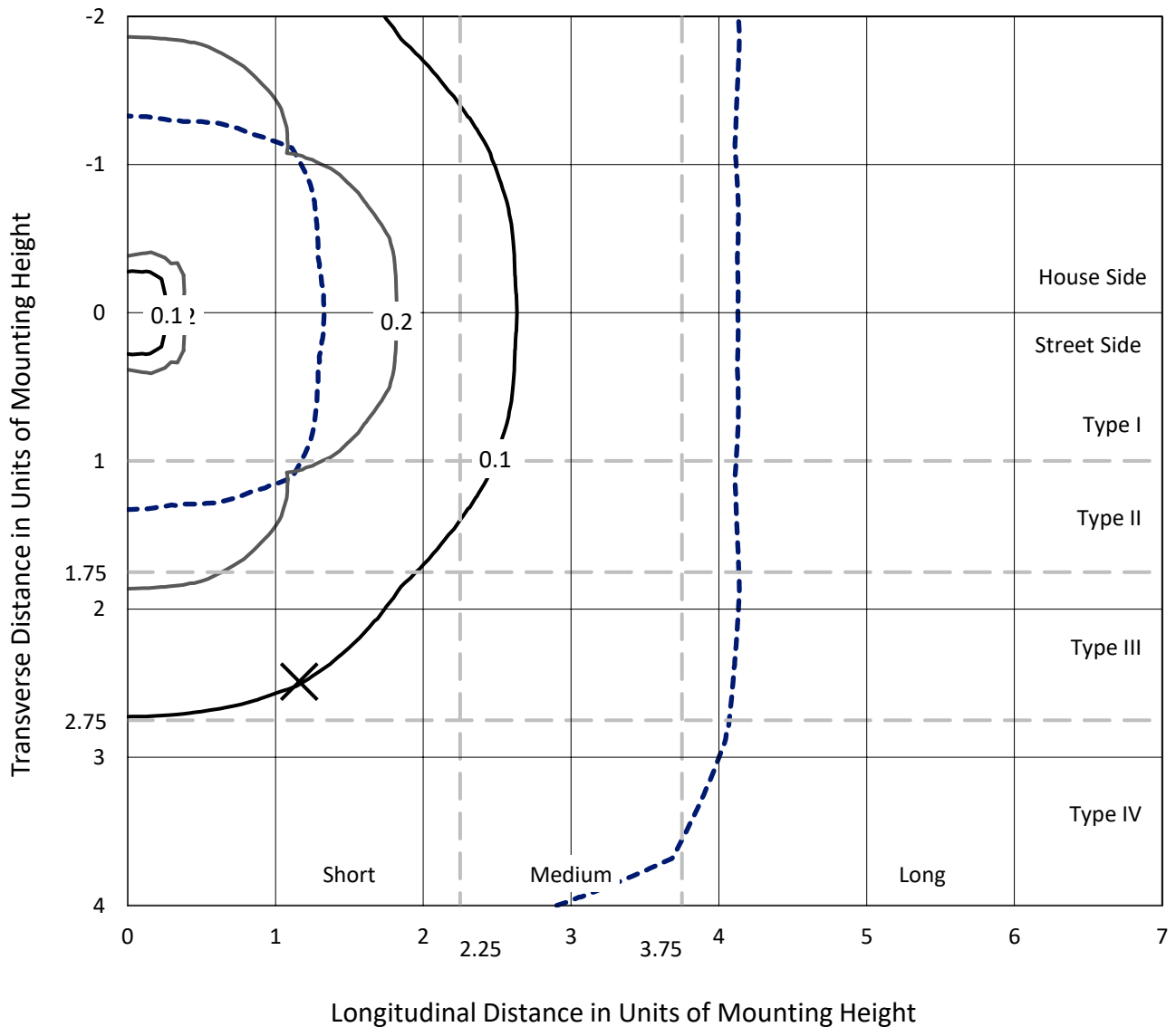
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694885  
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

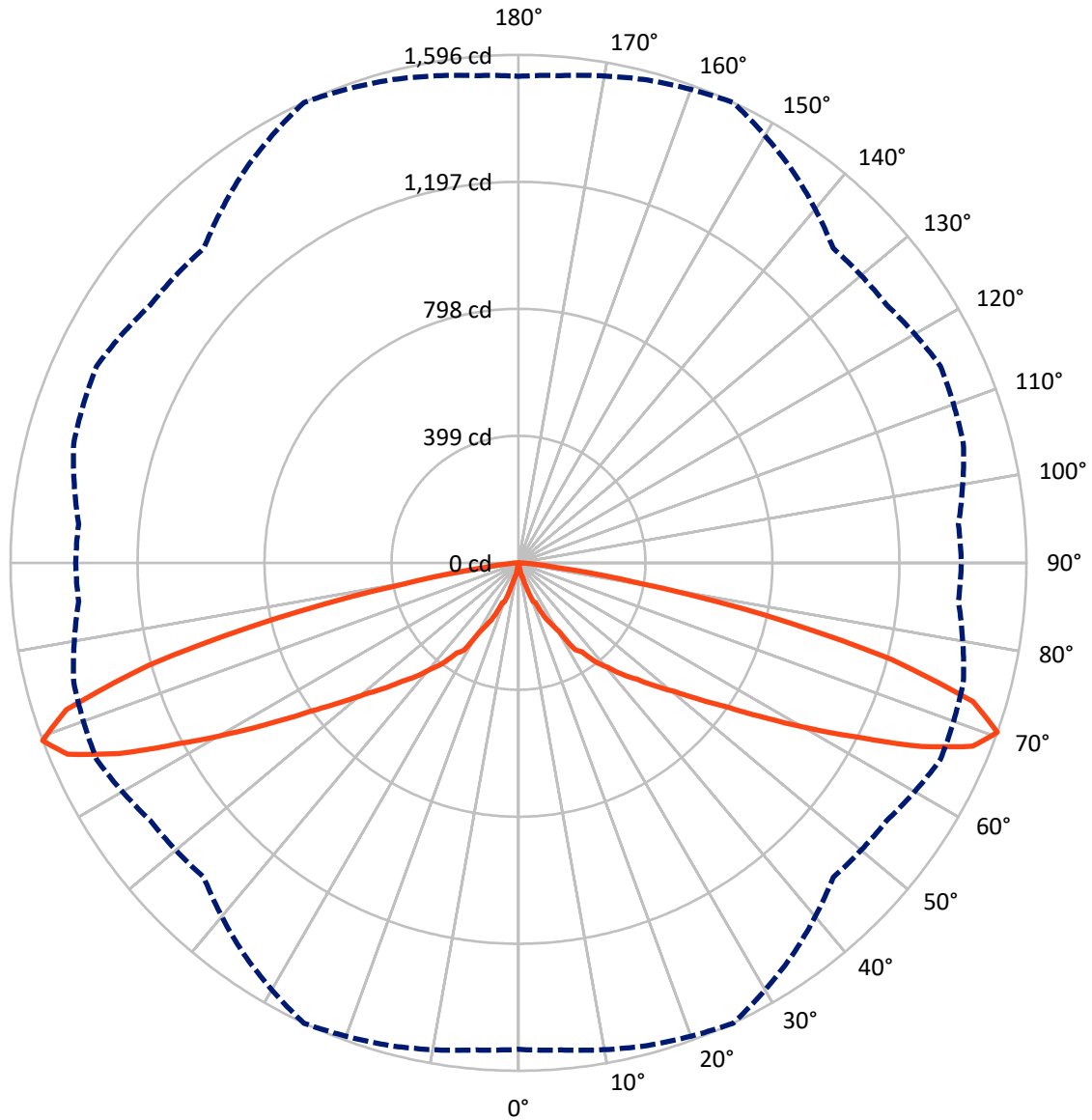
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P694885  
CATALOG NUMBER: LXF.LXT-PA16-30-750-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P694885  
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-5WQ

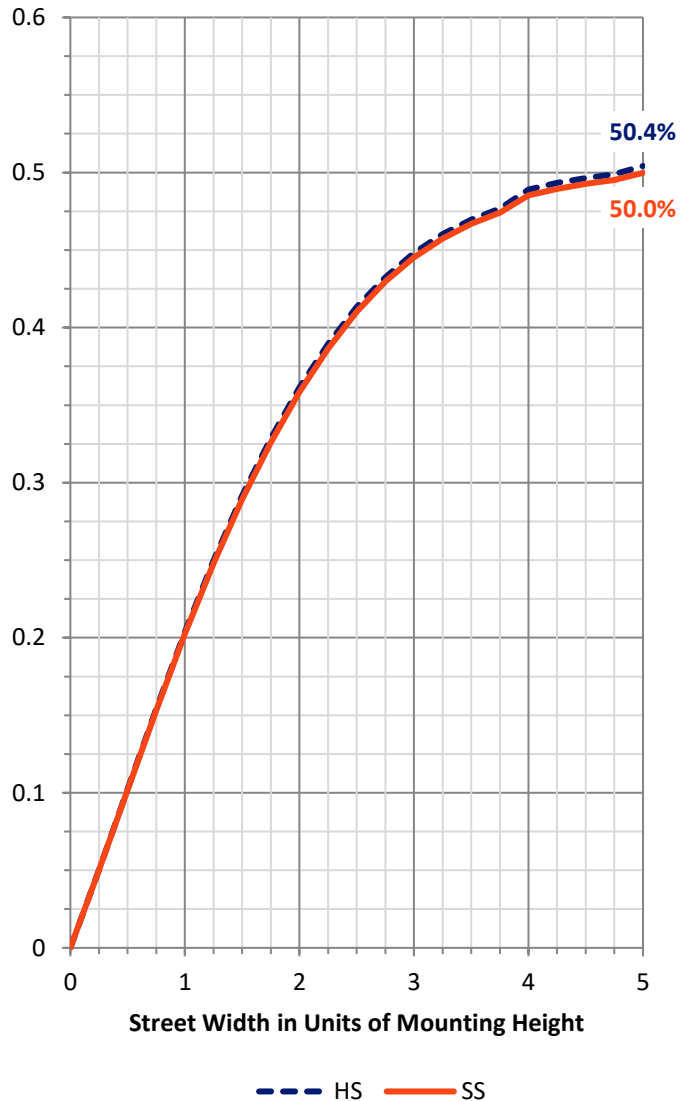
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2007.5	0.0	2007.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2007.5	0.0	2007.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4015.0	0.0	4015.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	17.5	0.4
20°-30°	93.4	2.3
30°-40°	230.7	5.7
40°-50°	412.3	10.3
50°-60°	734.5	18.3
60°-70°	1294.4	32.2
70°-80°	1125.3	28.0
80°-90°	107.0	2.7
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°	4015.0	100.0
0°-180°	4015.0	100.0

**Coefficient of Utilization**



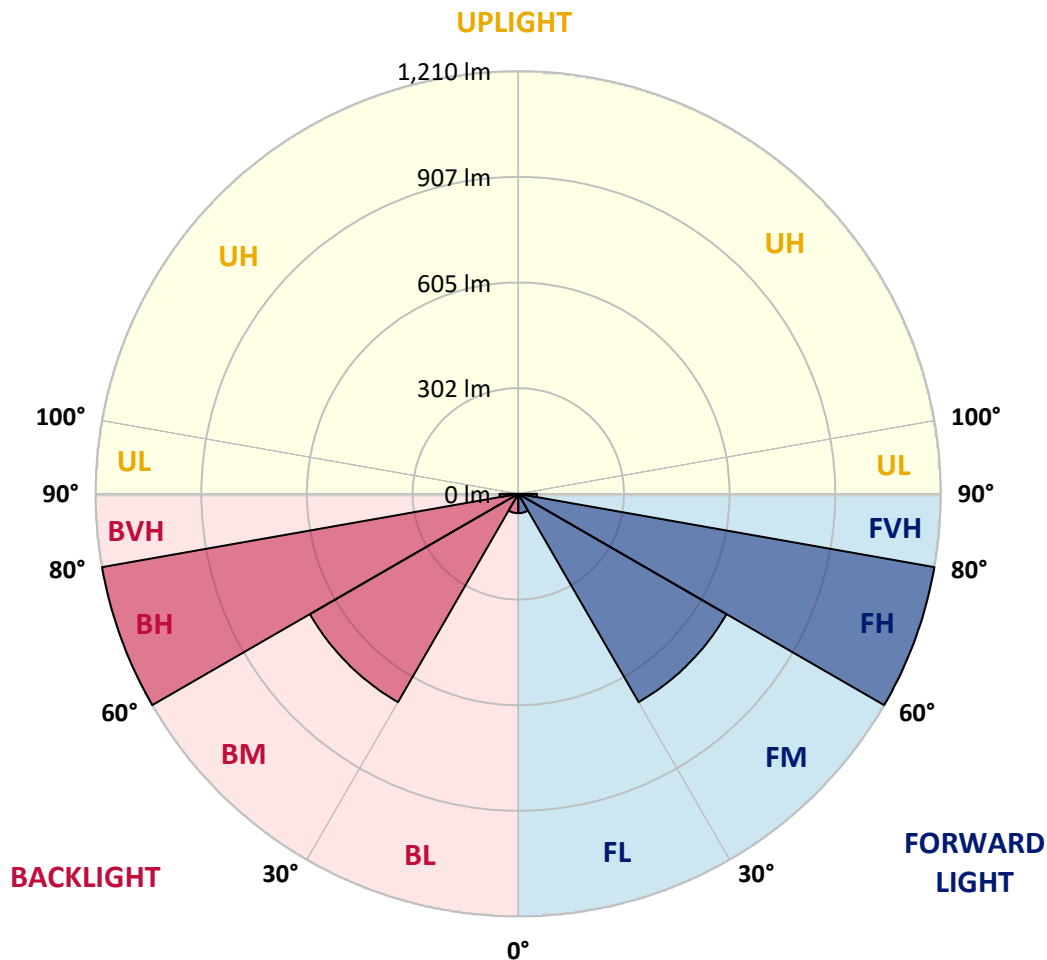
REPORT NUMBER: P694885  
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.4	1.4			
FM (30°-60°)	688.7	17.2			
FH (60°-80°)	1209.8	30.1			G1/1800
FVH (80°-90°)	53.5	1.3			G1/100
BL (0°-30°)	55.4	1.4	B0/110		
BM (30°-60°)	688.7	17.2	B1/1000		
BH (60°-80°)	1209.8	30.1	B3/2500		G1/1800
BVH (80°-90°)	53.5	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



REPORT NUMBER: P694885  
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	10.4	10.4	7.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	44.0	44.0	42.7	40.1	20.7	2.6	1.3	2.6	11.6	15.5	16.8
15°	54.4	51.8	49.2	45.3	42.7	29.8	15.5	71.2	84.1	86.7	86.7
17.5°	128.1	126.8	119.1	80.2	47.9	49.2	94.5	86.7	89.3	91.9	91.9
20°	137.2	137.2	133.3	129.4	89.3	101.0	108.7	93.2	115.2	161.8	161.8
22.5°	185.1	181.2	148.8	135.9	155.3	134.6	119.1	165.7	182.5	186.4	187.7
25°	233.0	233.0	226.5	185.1	169.6	161.8	176.0	196.7	195.4	207.1	211.0
27.5°	252.4	251.1	238.1	217.4	222.6	207.1	213.6	222.6	275.7	287.3	288.6
30°	341.7	341.7	333.9	249.8	238.1	236.9	245.9	275.7	292.5	301.6	305.4
32.5°	358.5	357.2	350.7	324.9	270.5	264.0	287.3	291.2	385.7	405.1	406.4
35°	423.2	424.5	407.7	344.3	335.2	301.6	306.7	371.5	409.0	424.5	425.8
37.5°	455.6	454.3	446.5	396.0	353.3	328.7	355.9	396.0	434.9	455.6	456.9
40°	491.8	491.8	481.5	432.3	394.8	353.3	385.7	429.7	476.3	491.8	493.1
42.5°	529.4	531.9	521.6	480.2	429.7	381.8	420.6	469.8	524.2	531.9	534.5
45°	588.9	585.0	573.4	521.6	467.2	416.8	458.2	520.3	577.2	587.6	590.2
47.5°	649.7	645.8	631.6	578.5	517.7	460.8	507.4	582.4	639.4	647.1	653.6
50°	710.6	705.4	701.5	635.5	578.5	519.0	565.6	647.1	701.5	709.3	710.6
52.5°	777.9	776.6	775.3	713.1	654.9	586.3	638.1	718.3	776.6	777.9	779.2
55°	862.0	860.7	863.3	802.5	755.9	683.4	730.0	810.2	863.3	856.8	856.8
57.5°	959.1	955.2	961.6	921.5	880.1	792.1	841.3	909.9	957.8	944.8	946.1
60°	1074.2	1078.1	1091.1	1058.7	1012.1	925.4	979.8	1021.2	1071.7	1054.8	1054.8
62.5°	1225.7	1223.1	1237.3	1211.4	1151.9	1074.2	1128.6	1153.2	1211.4	1193.3	1193.3
65°	1382.3	1390.1	1397.8	1391.3	1303.3	1208.9	1268.4	1321.5	1346.0	1318.9	1317.6
67.5°	1518.2	1513.0	1540.2	1538.9	1428.9	1317.6	1370.6	1437.9	1448.3	1405.6	1406.9
70°	1528.5	1536.3	1570.0	1595.8	1502.7	1397.8	1412.1	1462.5	1447.0	1387.5	1391.3
72.5°	1386.2	1395.2	1427.6	1493.6	1472.9	1431.5	1374.5	1353.8	1305.9	1259.3	1265.8
75°	1018.6	1026.4	1101.4	1207.6	1286.5	1324.0	1223.1	1140.3	1087.2	1040.6	1051.0
77.5°	551.4	566.9	657.5	792.1	964.2	1044.5	957.8	819.3	675.6	610.9	591.5
80°	211.0	205.8	262.7	377.9	547.5	664.0	587.6	410.3	258.9	191.6	196.7
82.5°	54.4	59.5	84.1	115.2	223.9	346.9	261.4	128.1	81.5	66.0	55.7
85°	16.8	16.8	27.2	33.7	64.7	102.2	53.1	34.9	28.5	16.8	14.2
87.5°	3.9	5.2	7.8	9.1	10.4	6.5	6.5	3.9	1.3	1.3	0.0
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)