

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: P694765

Luminaire Tested: **LXF.LXT-PA16-30-727-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694765  
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-PA16-30-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3375 lumens  
Efficiency: N/A  
Efficacy: 115.6 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

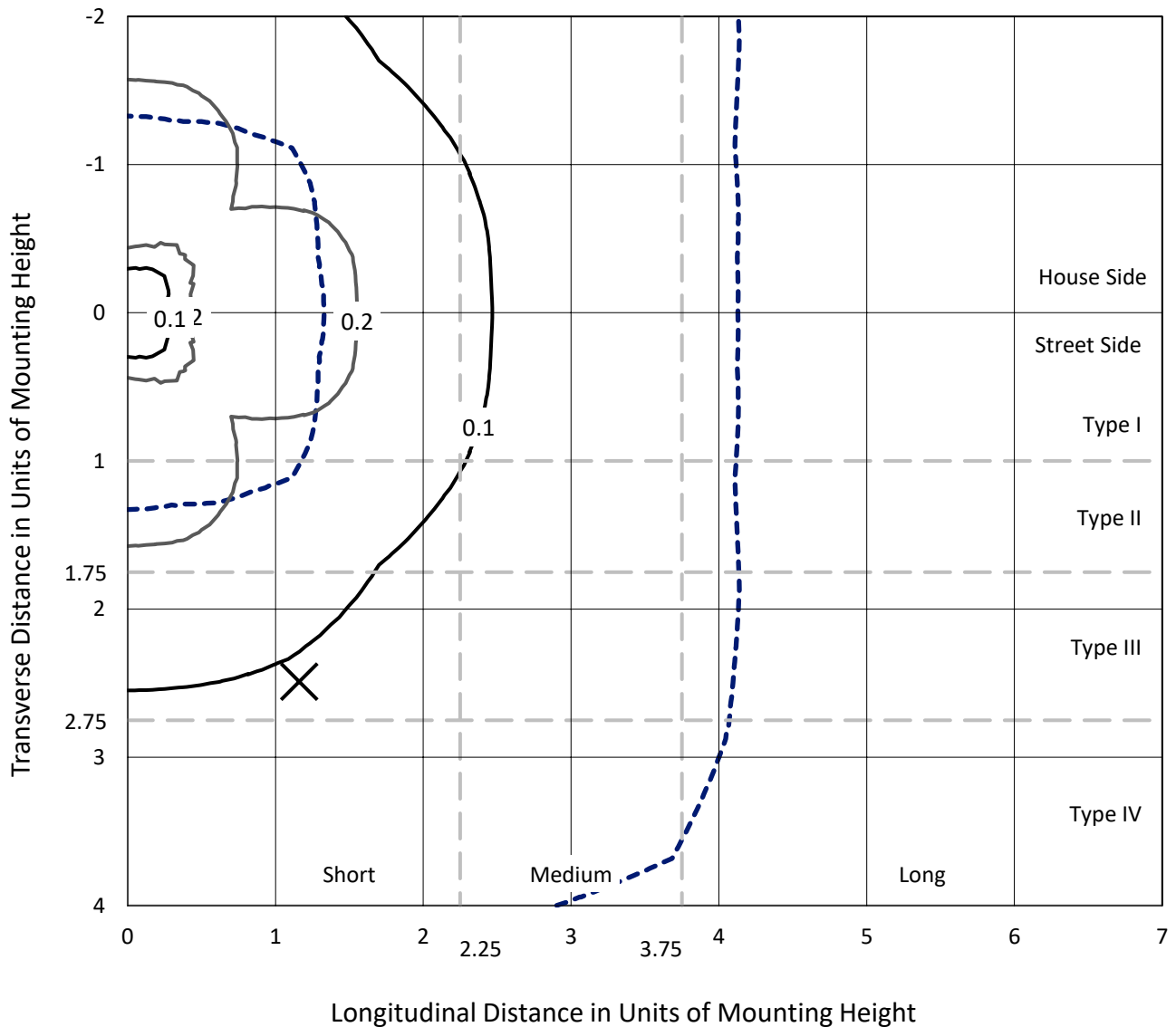
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694765  
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

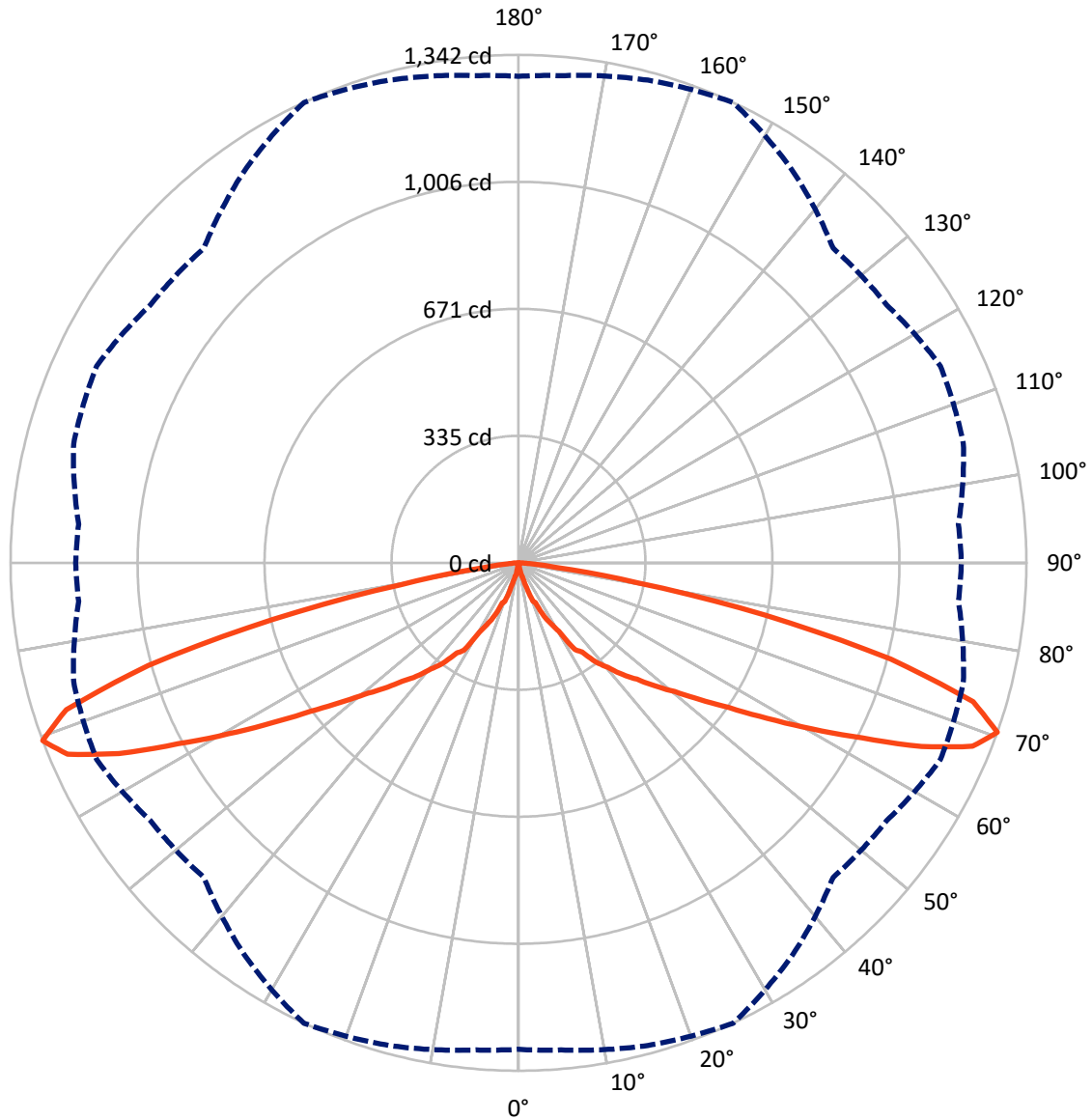
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P694765  
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P694765  
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-5WQ

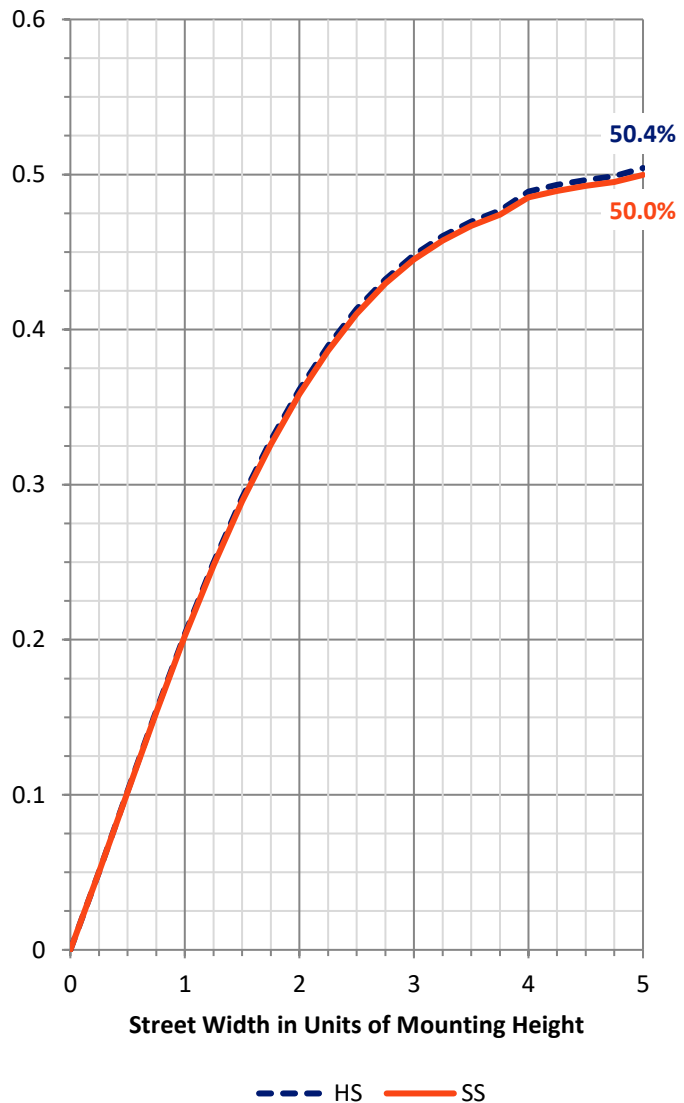
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1687.5	0.0	1687.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1687.5	0.0	1687.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3375.0	0.0	3375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	14.7	0.4
20°-30°	78.5	2.3
30°-40°	193.9	5.7
40°-50°	346.6	10.3
50°-60°	617.4	18.3
60°-70°	1088.0	32.2
70°-80°	945.9	28.0
80°-90°	89.9	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°	3375.0	100.0
0°-180°	3375.0	100.0

**Coefficient of Utilization**



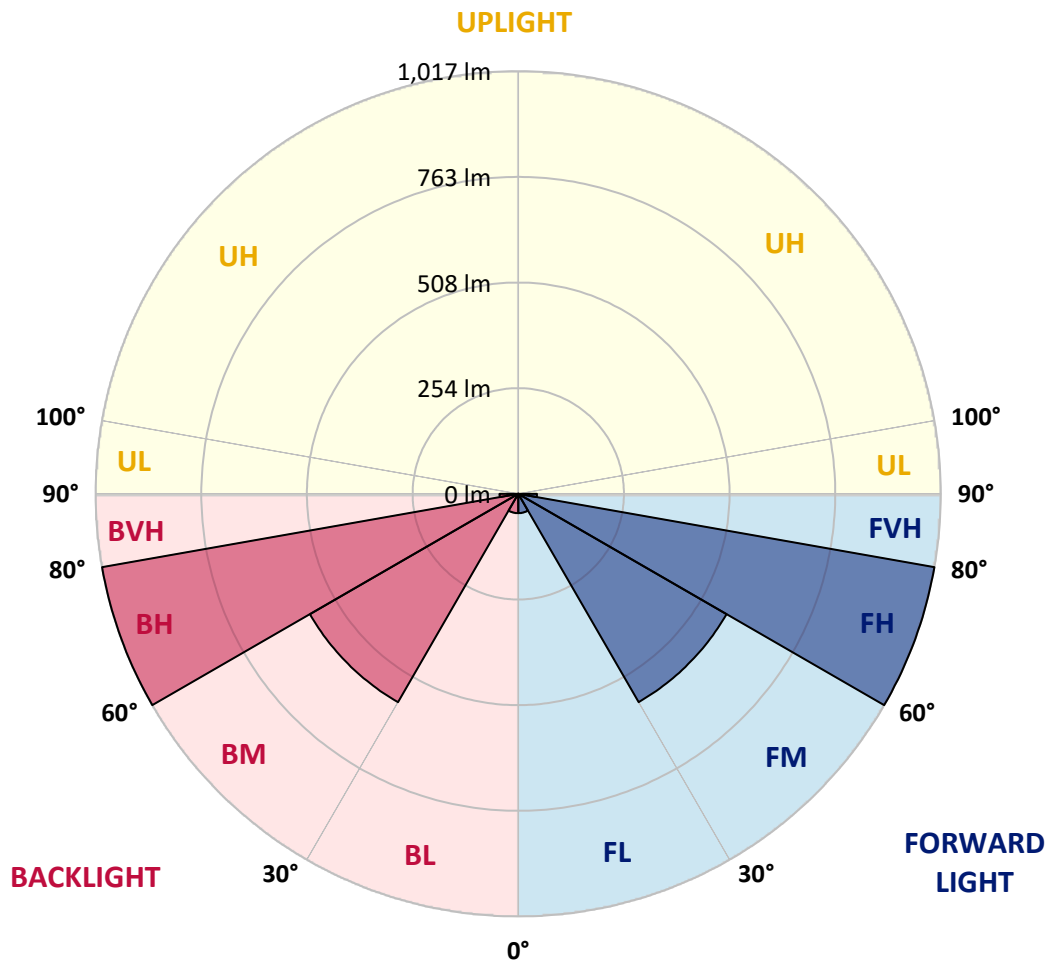
REPORT NUMBER: P694765  
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	46.6	1.4			
FM (30°-60°)	578.9	17.2			
FH (60°-80°)	1017.0	30.1			G1/1800
FVH (80°-90°)	45.0	1.3			G1/100
BL (0°-30°)	46.6	1.4	B0/110		
BM (30°-60°)	578.9	17.2	B1/1000		
BH (60°-80°)	1017.0	30.1	B3/2500		G1/1800
BVH (80°-90°)	45.0	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: P694765  
 CATALOG NUMBER: LXF.LXT-PA16-30-727-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°	8.7	8.7	6.5	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	37.0	37.0	35.9	33.7	17.4	2.2	1.1	2.2	9.8	13.1	14.1
15°	45.7	43.5	41.3	38.1	35.9	25.0	13.1	59.8	70.7	72.9	72.9
17.5°	107.7	106.6	100.1	67.5	40.3	41.3	79.4	72.9	75.1	77.2	77.2
20°	115.3	115.3	112.1	108.8	75.1	84.9	91.4	78.3	96.8	136.0	136.0
22.5°	155.6	152.3	125.1	114.2	130.6	113.1	100.1	139.3	153.4	156.7	157.8
25°	195.8	195.8	190.4	155.6	142.5	136.0	148.0	165.4	164.3	174.1	177.3
27.5°	212.2	211.1	200.2	182.8	187.1	174.1	179.5	187.1	231.7	241.5	242.6
30°	287.2	287.2	280.7	210.0	200.2	199.1	206.7	231.7	245.9	253.5	256.8
32.5°	301.4	300.3	294.8	273.1	227.4	221.9	241.5	244.8	324.2	340.5	341.6
35°	355.8	356.9	342.7	289.4	281.8	253.5	257.8	312.2	343.8	356.9	357.9
37.5°	383.0	381.9	375.3	332.9	297.0	276.3	299.2	332.9	365.6	383.0	384.1
40°	413.4	413.4	404.7	363.4	331.8	297.0	324.2	361.2	400.4	413.4	414.5
42.5°	445.0	447.2	438.5	403.6	361.2	320.9	353.6	394.9	440.6	447.2	449.3
45°	495.0	491.8	482.0	438.5	392.8	350.3	385.1	437.4	485.2	493.9	496.1
47.5°	546.2	542.9	530.9	486.3	435.2	387.3	426.5	489.6	537.5	544.0	549.4
50°	597.3	592.9	589.7	534.2	486.3	436.3	475.4	544.0	589.7	596.2	597.3
52.5°	653.9	652.8	651.7	599.5	550.5	492.8	536.4	603.8	652.8	653.9	655.0
55°	724.6	723.5	725.7	674.5	635.4	574.4	613.6	681.1	725.7	720.2	720.2
57.5°	806.2	802.9	808.4	774.6	739.8	665.8	707.2	764.8	805.1	794.2	795.3
60°	903.0	906.3	917.2	890.0	850.8	777.9	823.6	858.4	900.8	886.7	886.7
62.5°	1030.3	1028.1	1040.1	1018.3	968.3	903.0	948.7	969.4	1018.3	1003.1	1003.1
65°	1161.9	1168.5	1175.0	1169.6	1095.6	1016.2	1066.2	1110.8	1131.5	1108.6	1107.5
67.5°	1276.2	1271.8	1294.7	1293.6	1201.1	1107.5	1152.2	1208.7	1217.4	1181.5	1182.6
70°	1284.9	1291.4	1319.7	1341.5	1263.1	1175.0	1187.0	1229.4	1216.3	1166.3	1169.6
72.5°	1165.2	1172.8	1200.0	1255.5	1238.1	1203.3	1155.4	1138.0	1097.8	1058.6	1064.0
75°	856.2	862.8	925.9	1015.1	1081.4	1113.0	1028.1	958.5	913.9	874.7	883.4
77.5°	463.5	476.5	552.7	665.8	810.5	878.0	805.1	688.7	567.9	513.5	497.2
80°	177.3	173.0	220.9	317.7	460.2	558.1	493.9	344.9	217.6	161.0	165.4
82.5°	45.7	50.0	70.7	96.8	188.2	291.6	219.8	107.7	68.5	55.5	46.8
85°	14.1	14.1	22.8	28.3	54.4	85.9	44.6	29.4	23.9	14.1	12.0
87.5°	3.3	4.4	6.5	7.6	8.7	5.4	5.4	3.3	1.1	1.1	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)