

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: P694675

Luminaire Tested: **LXF.LXT-PA16-20-827-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694675  
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-PA16-20-827-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2338 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

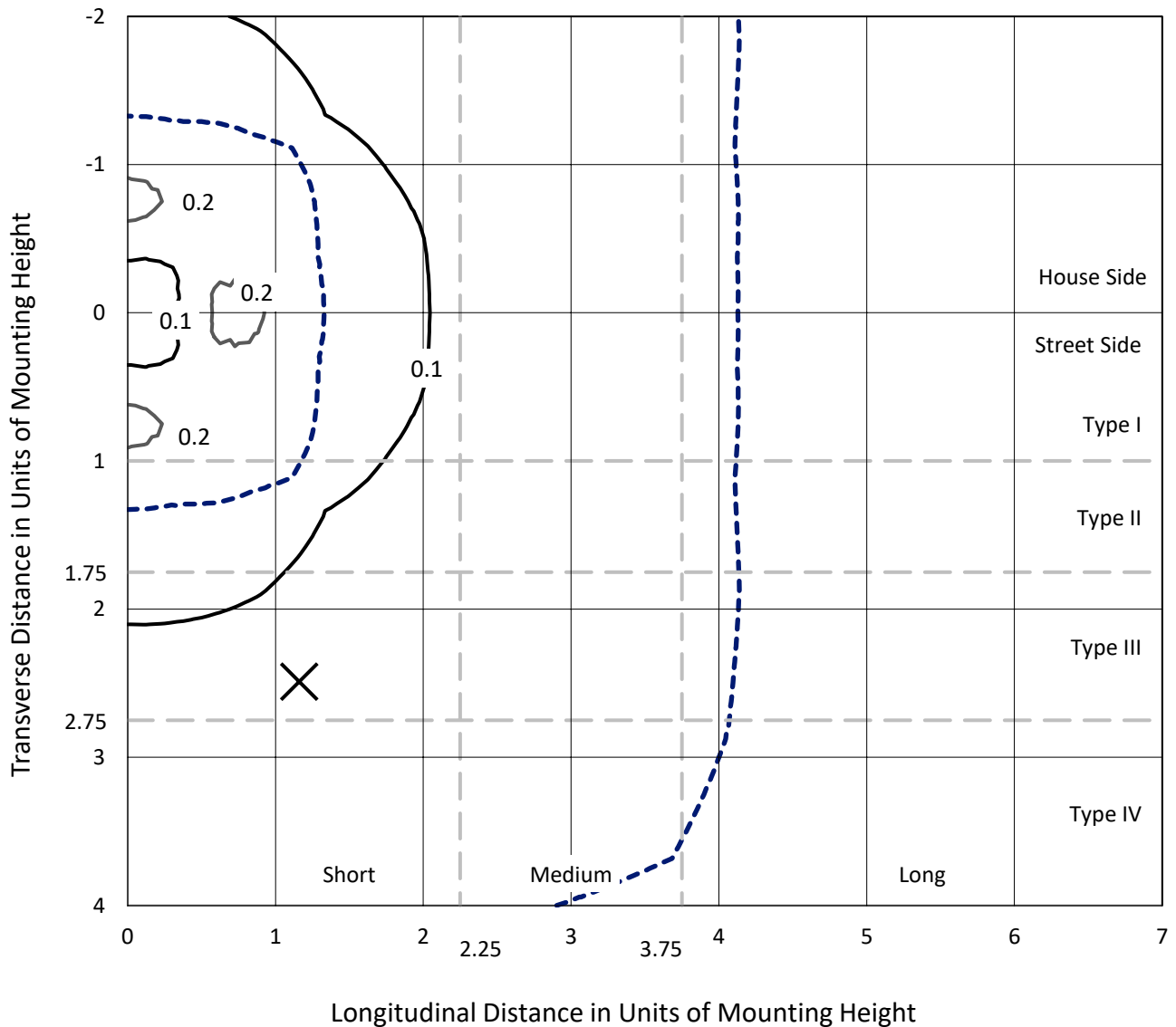
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

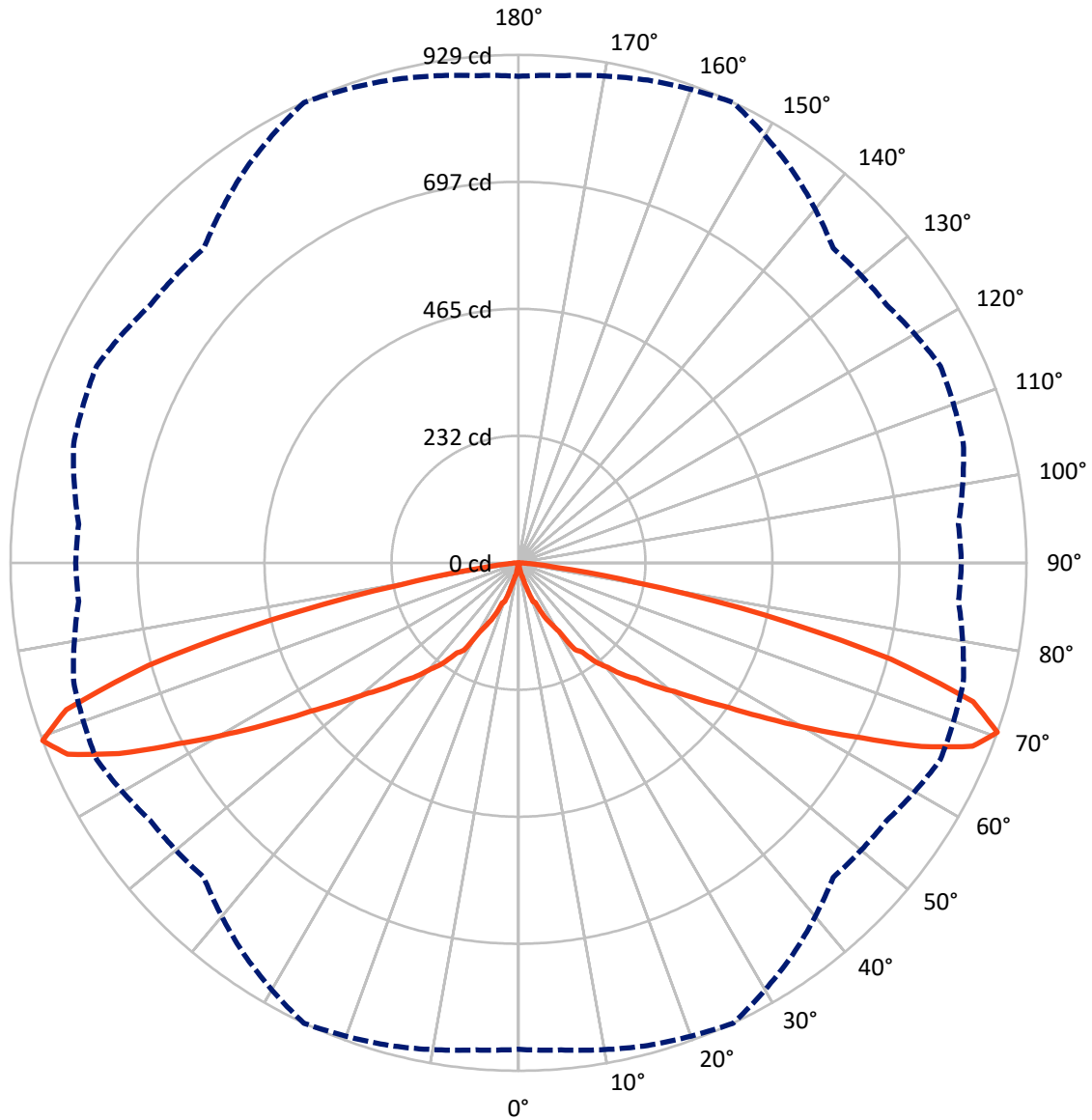
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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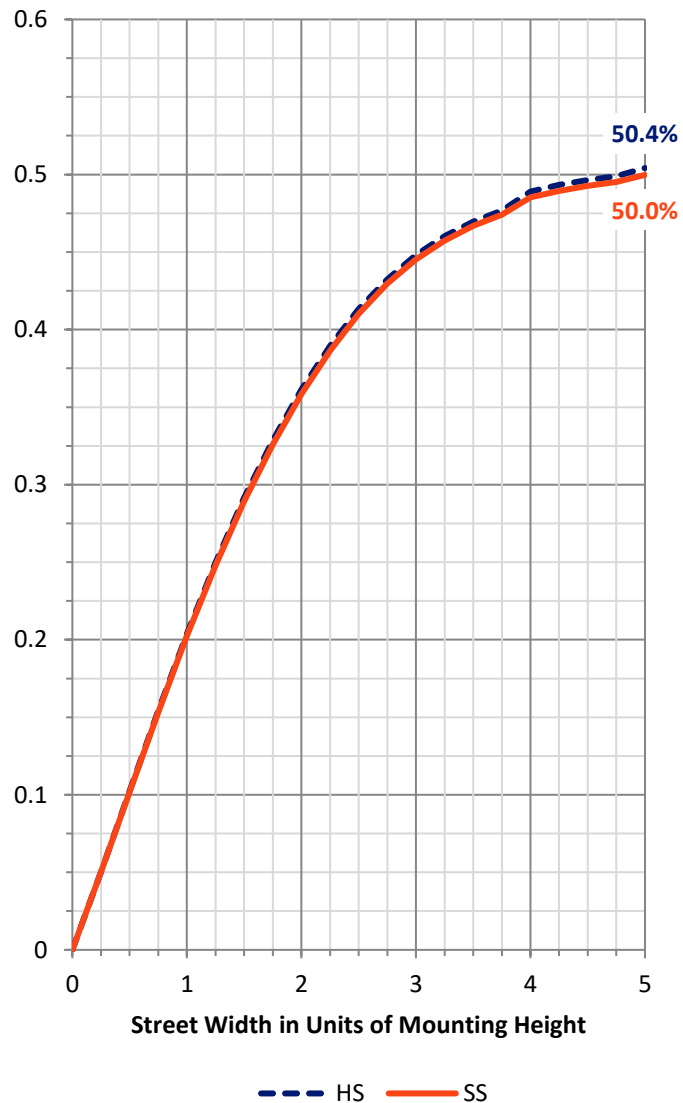
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1169.0	0.0	1169.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1169.0	0.0	1169.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2338.0	0.0	2338.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	10.2	0.4
20°-30°	54.4	2.3
30°-40°	134.3	5.7
40°-50°	240.1	10.3
50°-60°	427.7	18.3
60°-70°	753.7	32.2
70°-80°	655.3	28.0
80°-90°	62.3	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°	2338.0	100.0
0°-180°	2338.0	100.0

**Coefficient of Utilization**



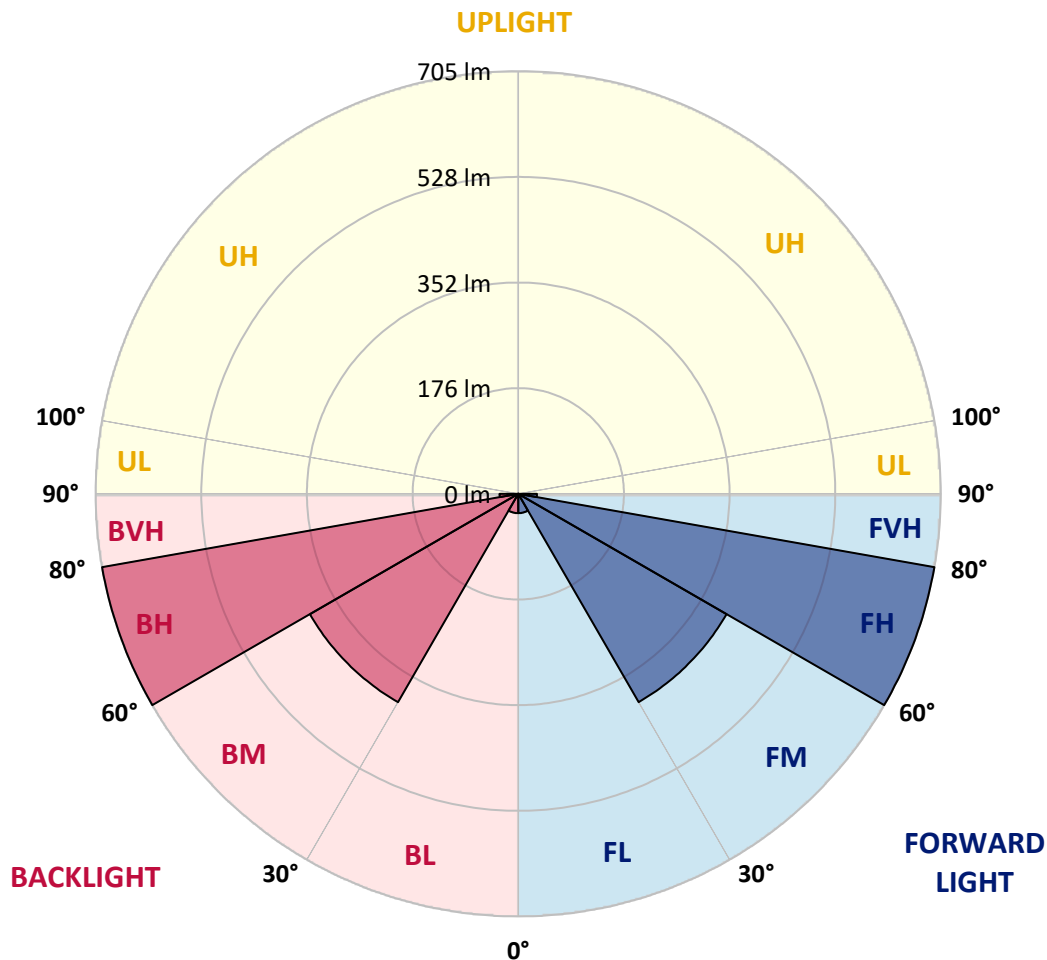
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	32.3	1.4			
FM (30°-60°)	401.1	17.2			
FH (60°-80°)	704.5	30.1			G1/1800
FVH (80°-90°)	31.1	1.3			G1/100
BL (0°-30°)	32.3	1.4	B0/110		
BM (30°-60°)	401.1	17.2	B1/1000		
BH (60°-80°)	704.5	30.1	B2/1000		G1/1800
BVH (80°-90°)	31.1	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short



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**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°	6.0	6.0	4.5	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	25.6	25.6	24.9	23.4	12.1	1.5	0.8	1.5	6.8	9.0	9.8
15°	31.7	30.1	28.6	26.4	24.9	17.3	9.0	41.5	49.0	50.5	50.5
17.5°	74.6	73.9	69.3	46.7	27.9	28.6	55.0	50.5	52.0	53.5	53.5
20°	79.9	79.9	77.6	75.4	52.0	58.8	63.3	54.3	67.1	94.2	94.2
22.5°	107.8	105.5	86.7	79.1	90.4	78.4	69.3	96.5	106.3	108.5	109.3
25°	135.7	135.7	131.9	107.8	98.7	94.2	102.5	114.6	113.8	120.6	122.8
27.5°	147.0	146.2	138.7	126.6	129.6	120.6	124.4	129.6	160.5	167.3	168.1
30°	199.0	199.0	194.4	145.5	138.7	137.9	143.2	160.5	170.3	175.6	177.9
32.5°	208.8	208.0	204.2	189.2	157.5	153.8	167.3	169.6	224.6	235.9	236.7
35°	246.5	247.2	237.4	200.5	195.2	175.6	178.6	216.3	238.2	247.2	248.0
37.5°	265.3	264.5	260.0	230.6	205.8	191.4	207.3	230.6	253.2	265.3	266.0
40°	286.4	286.4	280.4	251.7	229.9	205.8	224.6	250.2	277.4	286.4	287.2
42.5°	308.3	309.8	303.7	279.6	250.2	222.3	244.9	273.6	305.2	309.8	311.3
45°	342.9	340.7	333.9	303.7	272.1	242.7	266.8	303.0	336.1	342.2	343.7
47.5°	378.3	376.1	367.8	336.9	301.5	268.3	295.4	339.2	372.3	376.8	380.6
50°	413.8	410.8	408.5	370.1	336.9	302.2	329.4	376.8	408.5	413.0	413.8
52.5°	453.0	452.2	451.5	415.3	381.4	341.4	371.6	418.3	452.2	453.0	453.7
55°	501.9	501.2	502.7	467.3	440.1	397.9	425.1	471.8	502.7	498.9	498.9
57.5°	558.5	556.2	560.0	536.6	512.5	461.3	489.9	529.8	557.7	550.2	550.9
60°	625.6	627.8	635.4	616.5	589.4	538.9	570.5	594.7	624.0	614.2	614.2
62.5°	713.7	712.2	720.5	705.4	670.8	625.6	657.2	671.5	705.4	694.9	694.9
65°	804.9	809.5	814.0	810.2	759.0	703.9	738.6	769.5	783.8	768.0	767.2
67.5°	884.1	881.1	896.9	896.1	832.1	767.2	798.1	837.3	843.4	818.5	819.2
70°	890.1	894.6	914.2	929.3	875.0	814.0	822.3	851.7	842.6	807.9	810.2
72.5°	807.2	812.5	831.3	869.7	857.7	833.6	800.4	788.3	760.5	733.3	737.1
75°	593.1	597.7	641.4	703.2	749.2	771.0	712.2	664.0	633.1	606.0	612.0
77.5°	321.1	330.1	382.9	461.3	561.5	608.2	557.7	477.1	393.4	355.7	344.4
80°	122.8	119.8	153.0	220.1	318.8	386.6	342.2	238.9	150.7	111.5	114.6
82.5°	31.7	34.7	49.0	67.1	130.4	202.0	152.2	74.6	47.5	38.4	32.4
85°	9.8	9.8	15.8	19.6	37.7	59.5	30.9	20.3	16.6	9.8	8.3
87.5°	2.3	3.0	4.5	5.3	6.0	3.8	3.8	2.3	0.8	0.8	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)