

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: P694945

Luminaire Tested: **LXF.LXT-PA16-30-827-U-5WQ**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694945
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-PA16-30-827-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 3026 lumens
Efficiency: N/A
Efficacy: 103.6 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

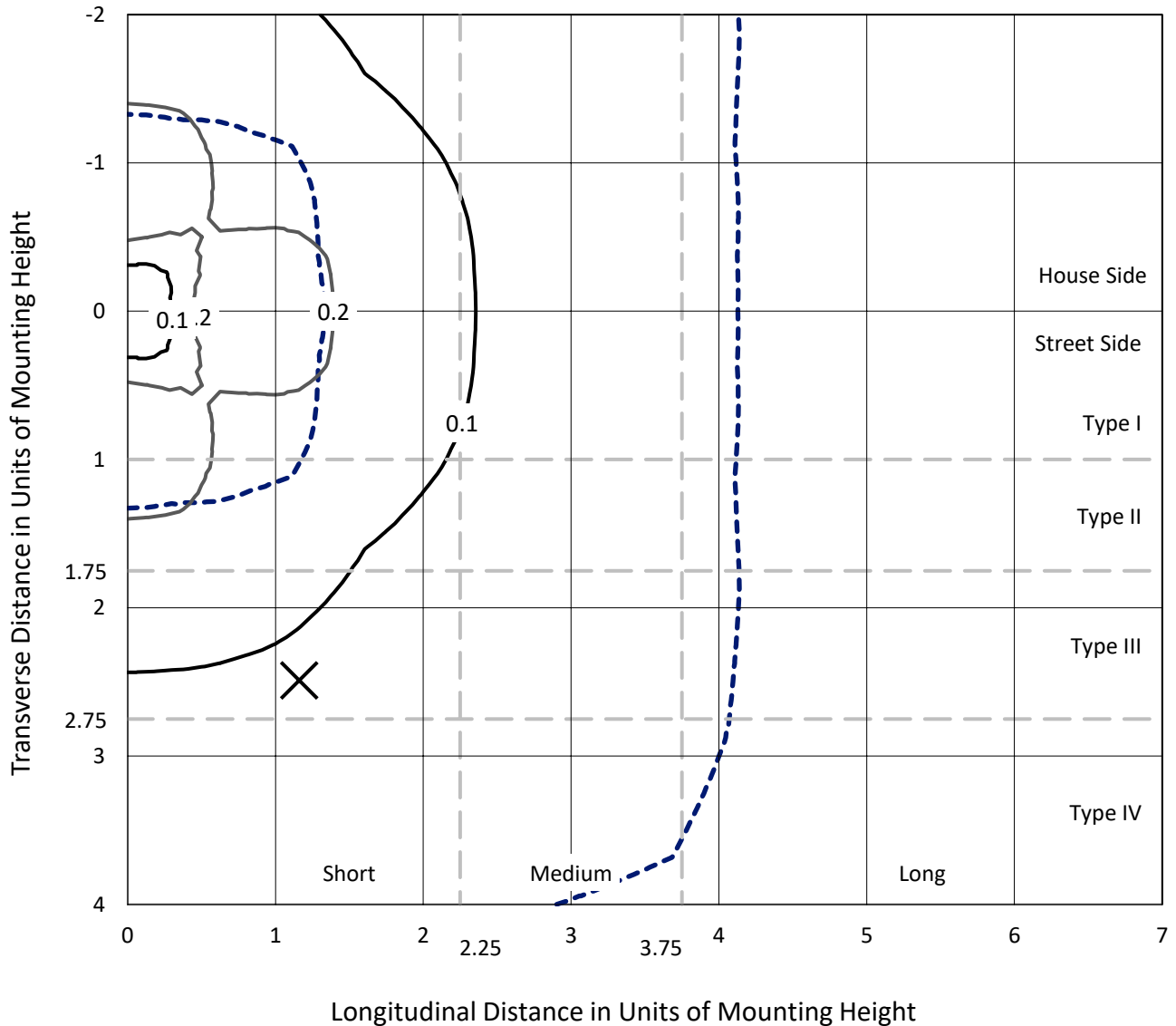
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

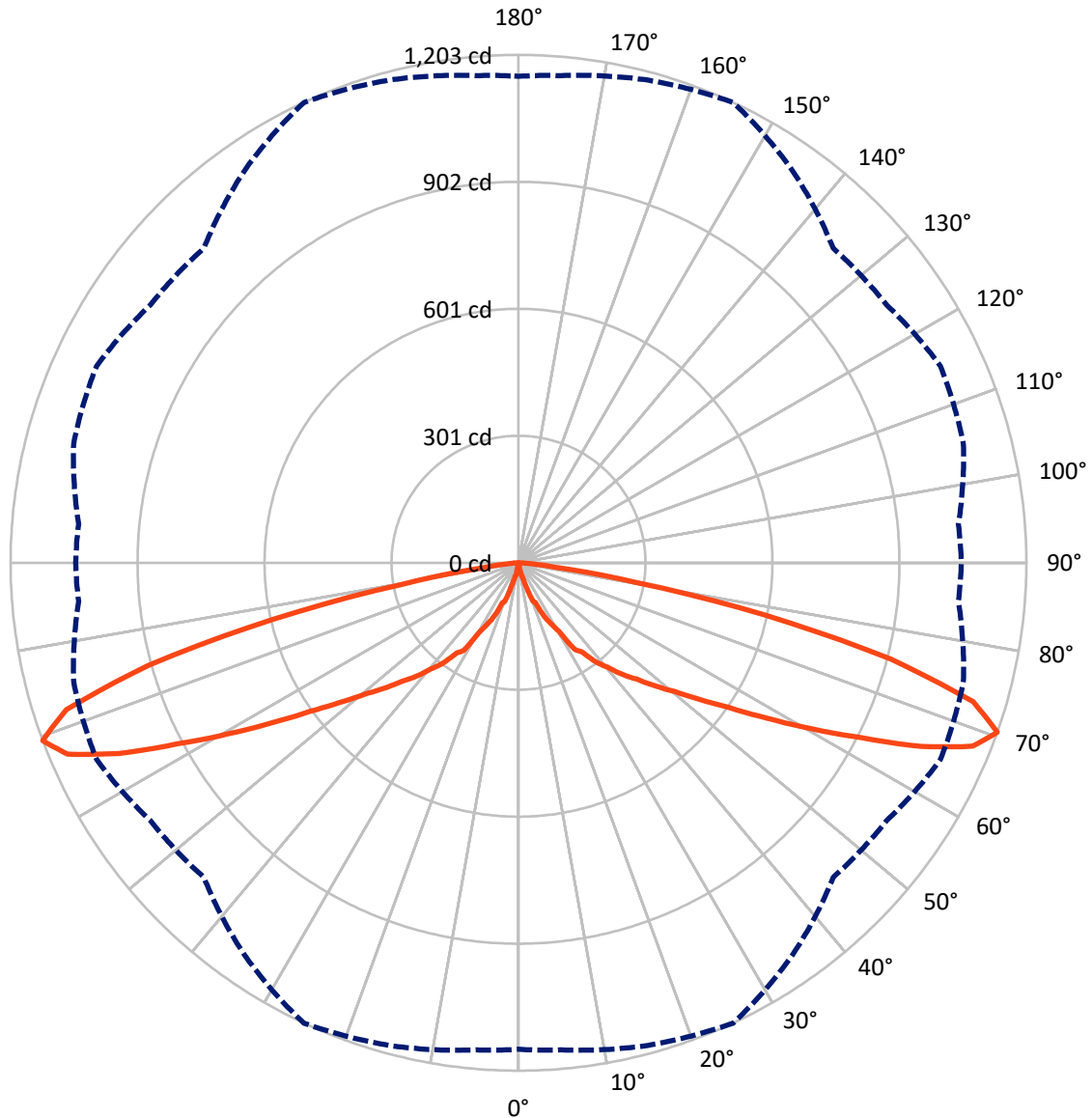
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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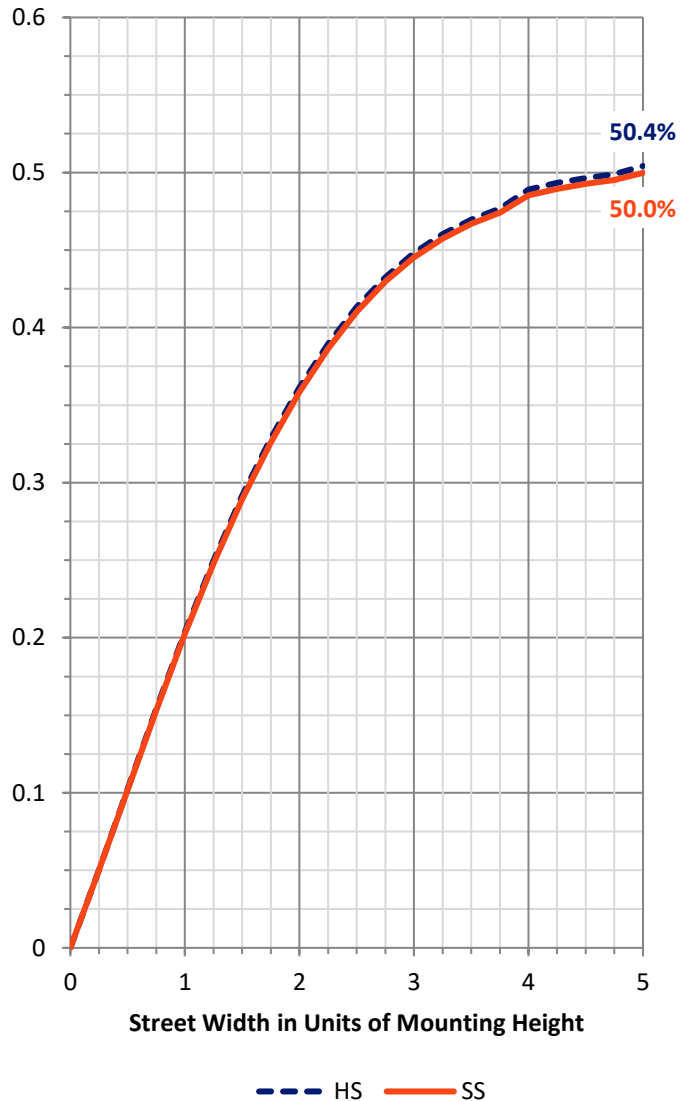
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.0	0.0	1513.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1513.0	0.0	1513.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3026.0	0.0	3026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	13.2	0.4
20°-30°	70.4	2.3
30°-40°	173.9	5.7
40°-50°	310.7	10.3
50°-60°	553.6	18.3
60°-70°	975.5	32.2
70°-80°	848.1	28.0
80°-90°	80.6	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°	3026.0	100.0
0°-180°	3026.0	100.0

Coefficient of Utilization



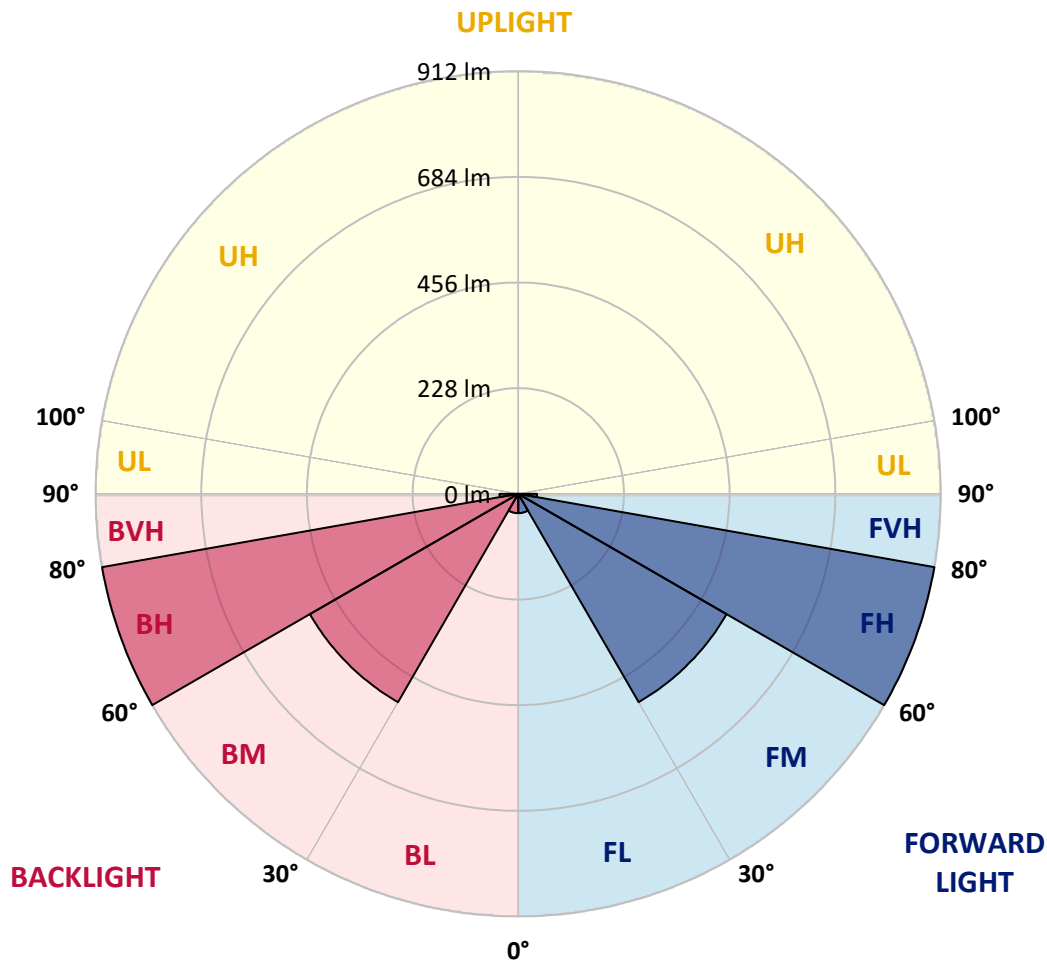
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	41.8	1.4			
FM (30°-60°)	519.1	17.2			
FH (60°-80°)	911.8	30.1			G1/1800
FVH (80°-90°)	40.3	1.3			G1/100
BL (0°-30°)	41.8	1.4	B0/110		
BM (30°-60°)	519.1	17.2	B1/1000		
BH (60°-80°)	911.8	30.1	B2/1000		G1/1800
BVH (80°-90°)	40.3	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°	7.8	7.8	5.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	33.2	33.2	32.2	30.2	15.6	2.0	1.0	2.0	8.8	11.7	12.7
15°	41.0	39.0	37.1	34.1	32.2	22.4	11.7	53.7	63.4	65.4	65.4
17.5°	96.6	95.6	89.7	60.5	36.1	37.1	71.2	65.4	67.3	69.3	69.3
20°	103.4	103.4	100.5	97.5	67.3	76.1	81.9	70.2	86.8	121.9	121.9
22.5°	139.5	136.6	112.2	102.4	117.1	101.4	89.7	124.9	137.5	140.5	141.4
25°	175.6	175.6	170.7	139.5	127.8	121.9	132.7	148.3	147.3	156.1	159.0
27.5°	190.2	189.2	179.5	163.9	167.8	156.1	161.0	167.8	207.8	216.6	217.5
30°	257.5	257.5	251.7	188.3	179.5	178.5	185.3	207.8	220.5	227.3	230.2
32.5°	270.2	269.2	264.4	244.8	203.9	199.0	216.6	219.5	290.7	305.3	306.3
35°	319.0	320.0	307.3	259.5	252.6	227.3	231.2	280.0	308.2	320.0	320.9
37.5°	343.4	342.4	336.5	298.5	266.3	247.8	268.3	298.5	327.8	343.4	344.3
40°	370.7	370.7	362.9	325.8	297.5	266.3	290.7	323.9	359.0	370.7	371.7
42.5°	399.0	400.9	393.1	361.9	323.9	287.8	317.0	354.1	395.1	400.9	402.9
45°	443.8	440.9	432.1	393.1	352.1	314.1	345.3	392.1	435.1	442.9	444.8
47.5°	489.7	486.8	476.0	436.0	390.2	347.3	382.4	439.0	481.9	487.7	492.6
50°	535.5	531.6	528.7	479.0	436.0	391.2	426.3	487.7	528.7	534.6	535.5
52.5°	586.3	585.3	584.3	537.5	493.6	441.9	480.9	541.4	585.3	586.3	587.2
55°	649.7	648.7	650.6	604.8	569.7	515.0	550.2	610.6	650.6	645.8	645.8
57.5°	722.8	719.9	724.8	694.5	663.3	597.0	634.1	685.8	721.8	712.1	713.1
60°	809.6	812.6	822.3	797.9	762.8	697.5	738.4	769.6	807.7	795.0	795.0
62.5°	923.8	921.8	932.5	913.0	868.2	809.6	850.6	869.1	913.0	899.4	899.4
65°	1041.8	1047.6	1053.5	1048.6	982.3	911.1	956.0	995.9	1014.5	994.0	993.0
67.5°	1144.2	1140.3	1160.8	1159.8	1076.9	993.0	1033.0	1083.7	1091.5	1059.4	1060.3
70°	1152.0	1157.9	1183.2	1202.7	1132.5	1053.5	1064.2	1102.3	1090.6	1045.7	1048.6
72.5°	1044.7	1051.5	1075.9	1125.7	1110.1	1078.9	1035.9	1020.3	984.2	949.1	954.0
75°	767.7	773.5	830.1	910.1	969.6	997.9	921.8	859.4	819.4	784.3	792.1
77.5°	415.5	427.3	495.5	597.0	726.7	787.2	721.8	617.5	509.2	460.4	445.8
80°	159.0	155.1	198.0	284.8	412.6	500.4	442.9	309.2	195.1	144.4	148.3
82.5°	41.0	44.9	63.4	86.8	168.8	261.4	197.0	96.6	61.5	49.7	41.9
85°	12.7	12.7	20.5	25.4	48.8	77.1	40.0	26.3	21.5	12.7	10.7
87.5°	2.9	3.9	5.9	6.8	7.8	4.9	4.9	2.9	1.0	1.0	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)