

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: P265994

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P265994
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-AF24-20-D-U-5WQ-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA 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: 2215.2 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 21
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: 28.75 FT

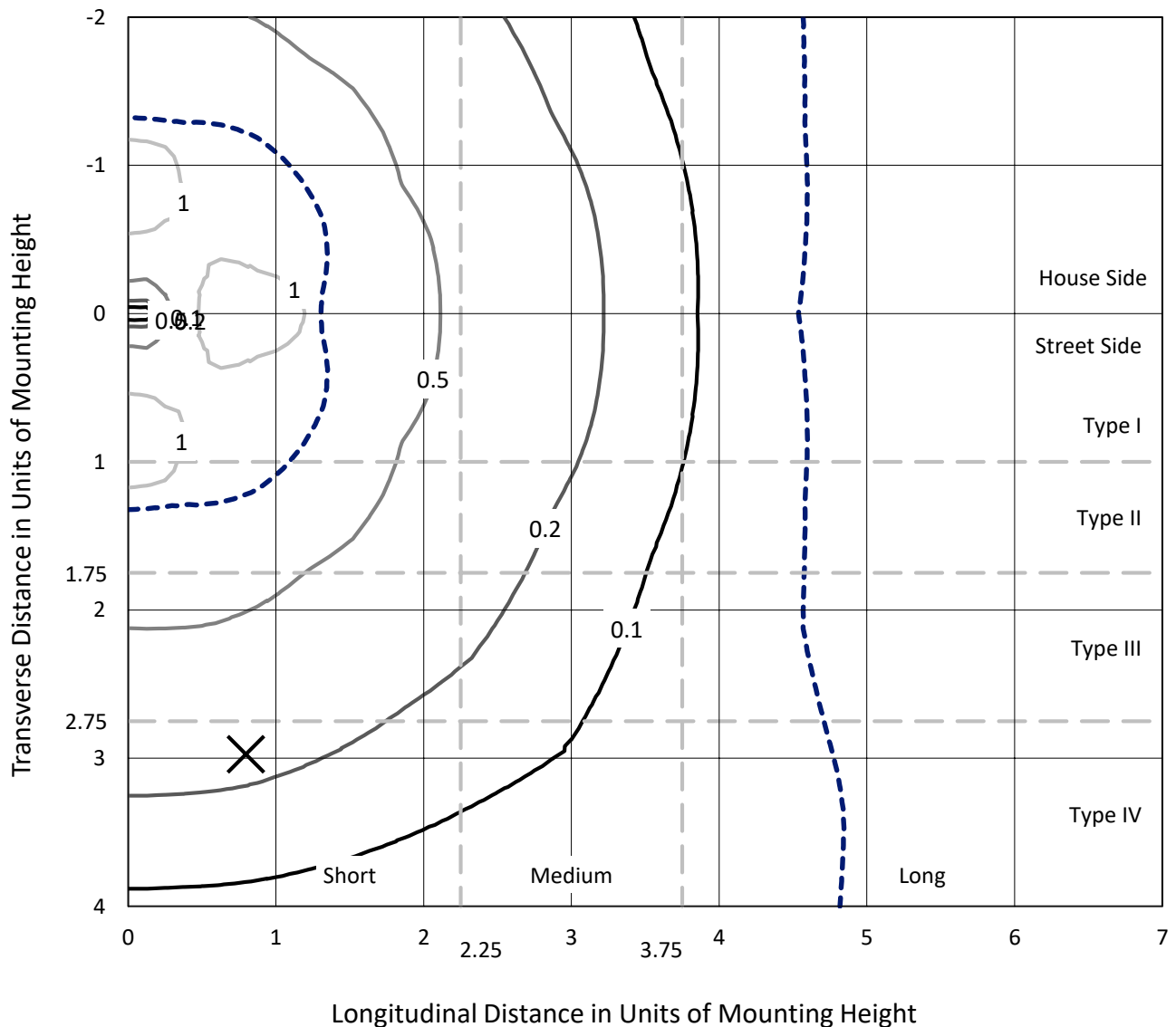


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Iso-Footcandle Lines of Horizontal Illumination

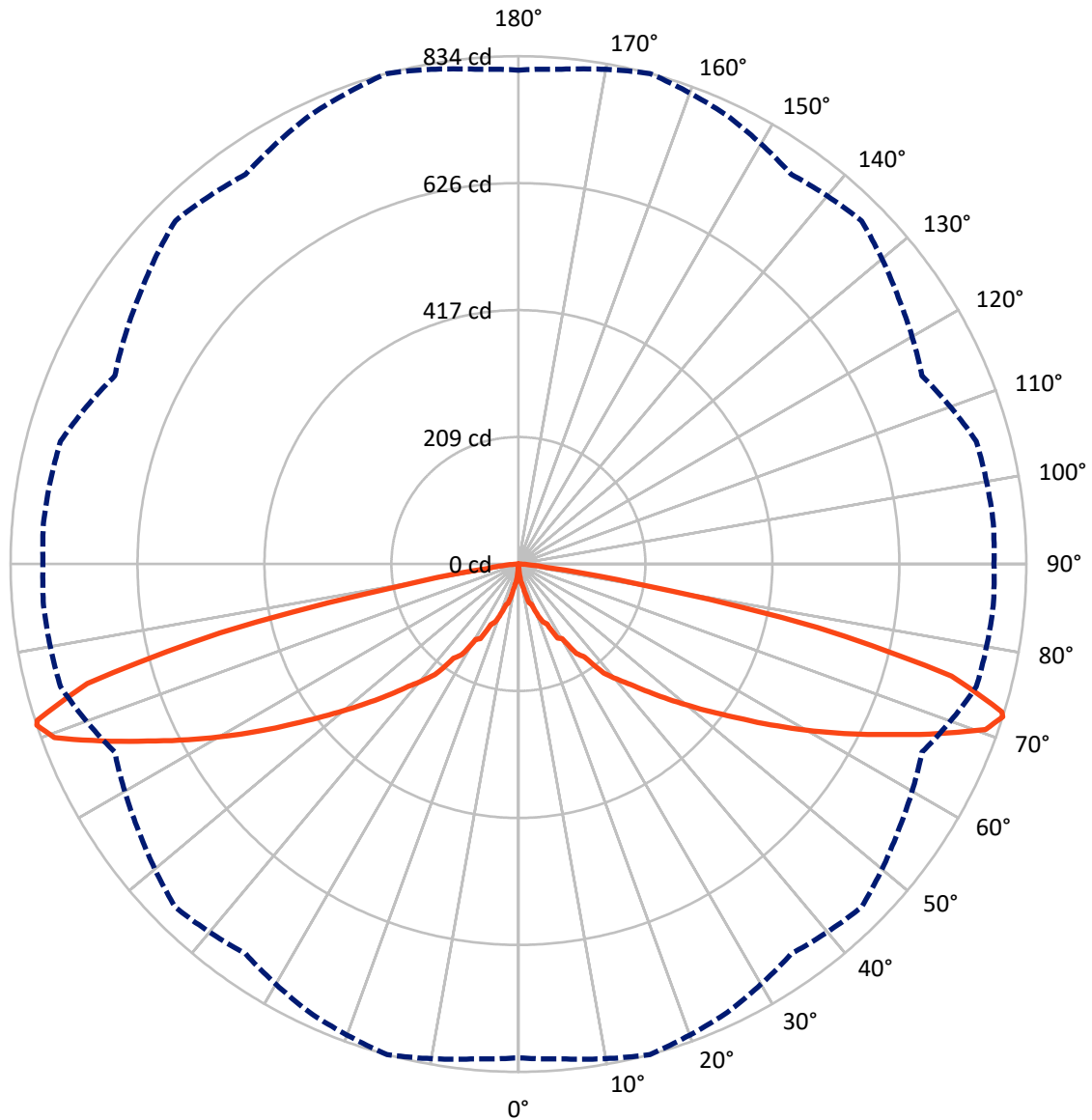
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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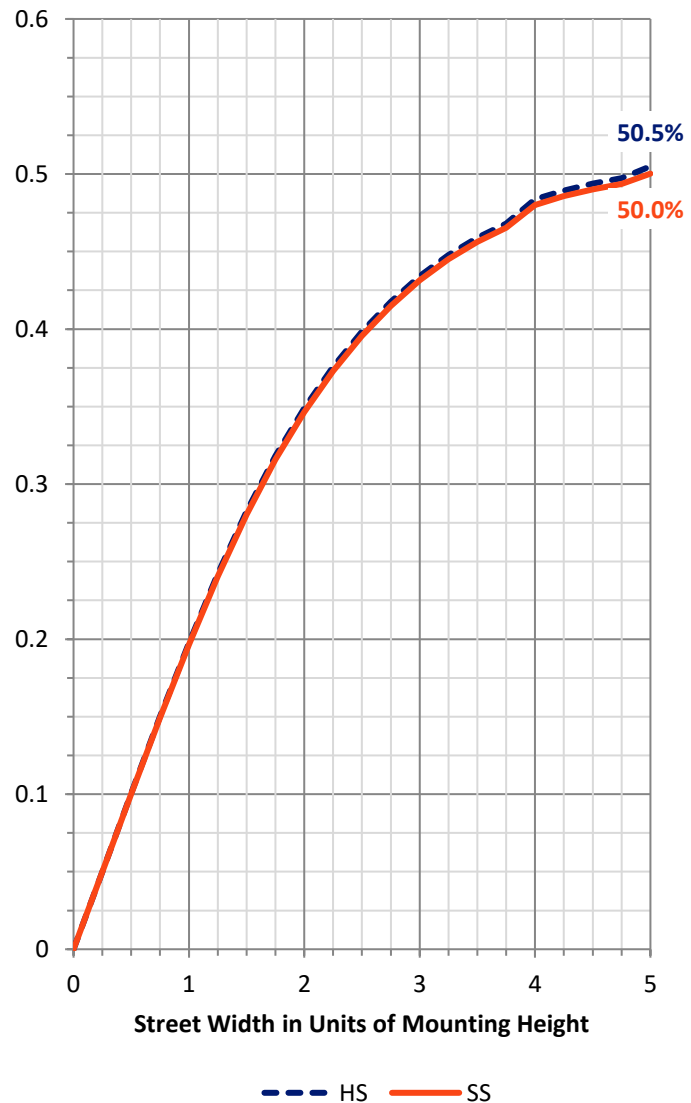
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.6	0.0	1107.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1107.6	0.0	1107.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2215.2	0.0	2215.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	15.0	0.7
20°-30°	55.0	2.5
30°-40°	121.4	5.5
40°-50°	217.5	9.8
50°-60°	384.5	17.4
60°-70°	646.8	29.2
70°-80°	692.6	31.3
80°-90°	81.4	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°	2215.2	100.0
0°-180°	2215.2	100.0



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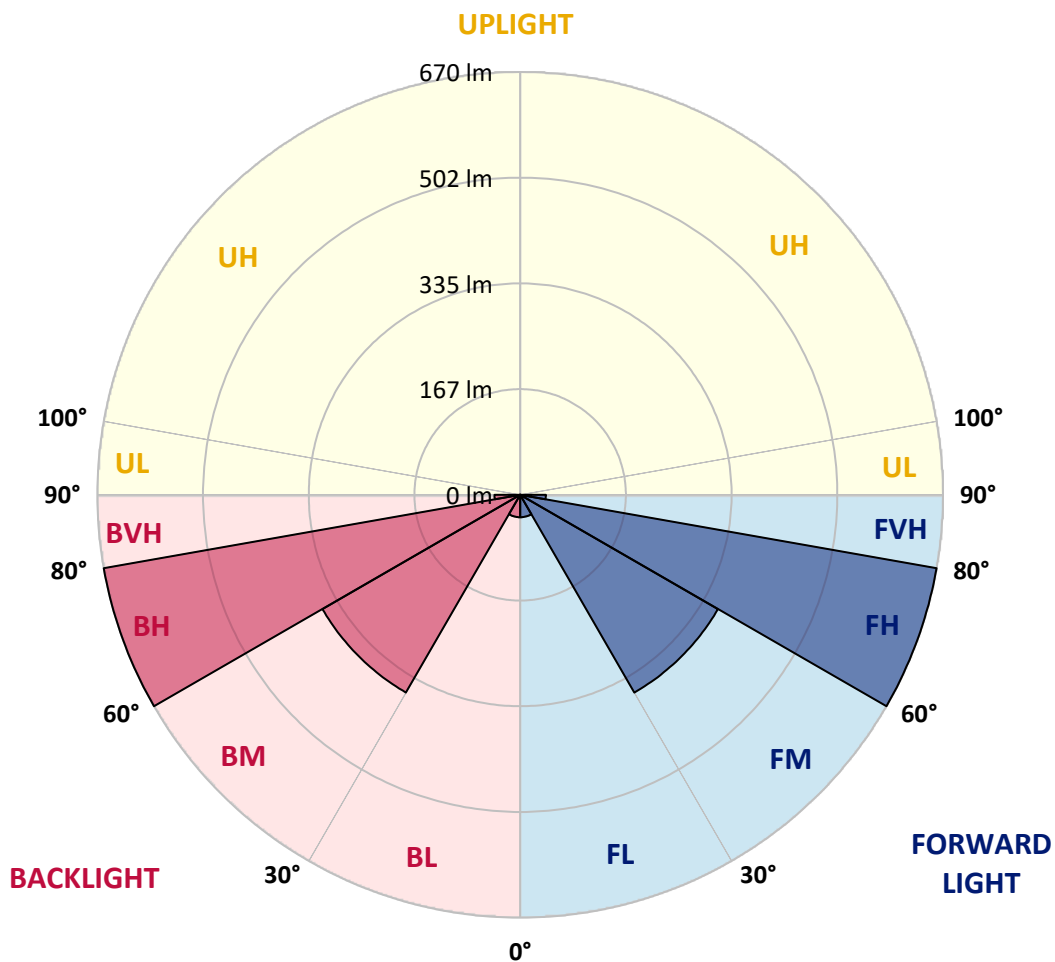
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	35.5	1.6			
FM	(30°-60°)	361.7	16.3			
FH	(60°-80°)	669.7	30.2			G1/1800
FVH	(80°-90°)	40.7	1.8			G1/100
BL	(0°-30°)	35.5	1.6	B0/110		
BM	(30°-60°)	361.7	16.3	B1/1000		
BH	(60°-80°)	669.7	30.2	B2/1000		G1/1800
BVH	(80°-90°)	40.7	1.8			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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.2	0.2	0.4	0.4	0.4
5°	14.0	13.7	10.3	4.9	3.9	1.6	0.7	0.4	0.4	0.4	0.4
7.5°	31.9	31.3	30.5	26.0	19.9	14.2	4.1	1.0	0.7	0.4	0.4
10°	34.8	34.8	34.2	33.5	32.6	29.5	16.6	3.9	1.6	1.4	1.4
12.5°	50.6	50.3	48.0	37.4	34.0	33.3	27.8	14.8	9.8	20.1	24.0
15°	69.1	68.6	66.5	59.9	48.9	36.2	43.7	53.7	46.5	49.6	49.9
17.5°	73.1	72.5	69.8	67.4	63.3	60.8	68.1	65.4	51.8	52.6	52.7
20°	94.2	95.7	87.9	75.9	69.8	91.1	75.1	72.0	85.1	94.4	97.3
22.5°	106.2	105.7	103.3	97.6	101.7	94.4	91.5	103.0	103.3	104.7	105.2
25°	123.4	123.0	109.1	103.8	119.5	103.3	120.6	109.9	112.6	121.1	128.3
27.5°	141.3	140.4	137.6	123.4	123.2	136.0	125.9	135.7	150.3	155.5	158.6
30°	157.7	154.1	142.2	146.1	136.0	143.1	145.3	152.7	156.3	165.0	166.6
32.5°	182.3	181.5	175.3	157.3	160.6	151.8	161.9	161.2	198.0	214.1	219.4
35°	208.0	201.0	187.9	181.5	171.7	179.1	168.5	194.9	206.9	226.4	229.4
37.5°	242.2	241.6	227.5	198.3	189.6	188.3	198.3	204.5	220.4	239.9	242.6
40°	260.4	260.4	248.4	225.4	206.7	205.1	210.7	219.4	236.4	257.5	259.7
42.5°	282.4	282.4	270.4	245.7	234.5	225.4	226.8	237.2	255.4	280.0	282.8
45°	308.3	308.3	299.9	267.5	257.5	247.5	252.5	262.6	283.9	308.3	311.9
47.5°	339.5	338.5	331.8	295.8	285.5	273.5	280.5	291.3	313.6	339.5	342.2
50°	372.8	372.1	367.2	329.9	314.8	306.4	312.9	321.6	346.9	374.1	376.8
52.5°	408.1	407.8	405.9	371.1	351.2	344.8	350.2	358.7	383.5	412.9	415.5
55°	450.5	451.7	450.5	421.2	397.3	394.1	396.5	402.1	426.5	454.5	456.2
57.5°	497.0	497.8	502.1	481.9	455.5	450.5	451.9	455.8	474.9	498.0	499.6
60°	546.7	548.5	556.9	542.3	520.3	520.7	516.4	506.4	526.9	543.3	543.0
62.5°	596.6	598.7	614.5	602.6	586.5	595.2	583.1	557.7	581.5	592.7	590.5
65°	651.2	656.4	675.2	670.6	646.9	666.1	647.0	613.1	645.4	646.2	646.2
67.5°	719.5	724.6	743.6	735.4	700.0	722.1	700.3	669.1	701.8	698.0	699.8
70°	794.0	799.1	814.0	785.8	747.3	766.1	742.0	710.6	757.6	764.4	762.7
72°	811.3	815.9	834.3	812.5	781.5	797.2	762.2	731.5	778.7	783.1	781.2
72.5°	806.0	810.1	830.8	812.5	787.2	804.2	765.0	731.9	775.3	778.6	775.9
75°	698.0	705.3	734.9	753.8	778.6	825.1	753.8	688.8	695.9	686.9	675.9
77.5°	449.8	442.3	502.7	579.9	668.0	767.4	661.2	544.3	490.0	444.8	424.9
80°	133.3	140.8	194.5	289.0	451.7	575.6	459.4	292.3	178.9	125.1	119.5
82.5°	26.6	33.1	48.4	75.9	193.2	314.5	191.8	86.5	58.5	45.4	42.0
85°	10.3	10.5	21.1	24.0	32.6	63.8	46.1	30.0	28.6	19.0	17.0
87.5°	1.4	1.9	3.4	4.1	3.9	2.2	4.5	3.1	1.6	1.6	1.2
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)