

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: P253761

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253761
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2466 lumens
Efficiency: N/A
Efficacy: 117.4 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

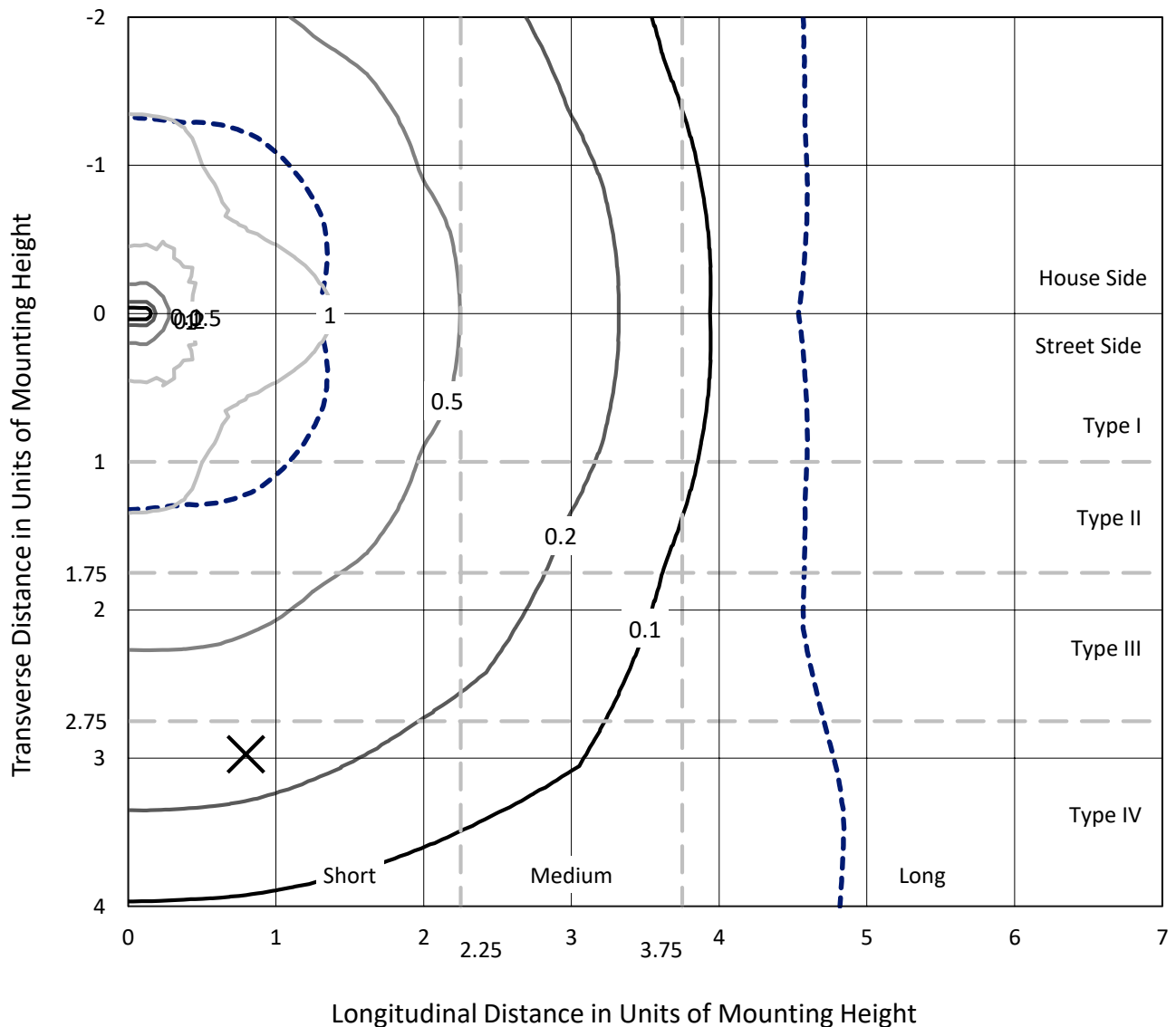


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

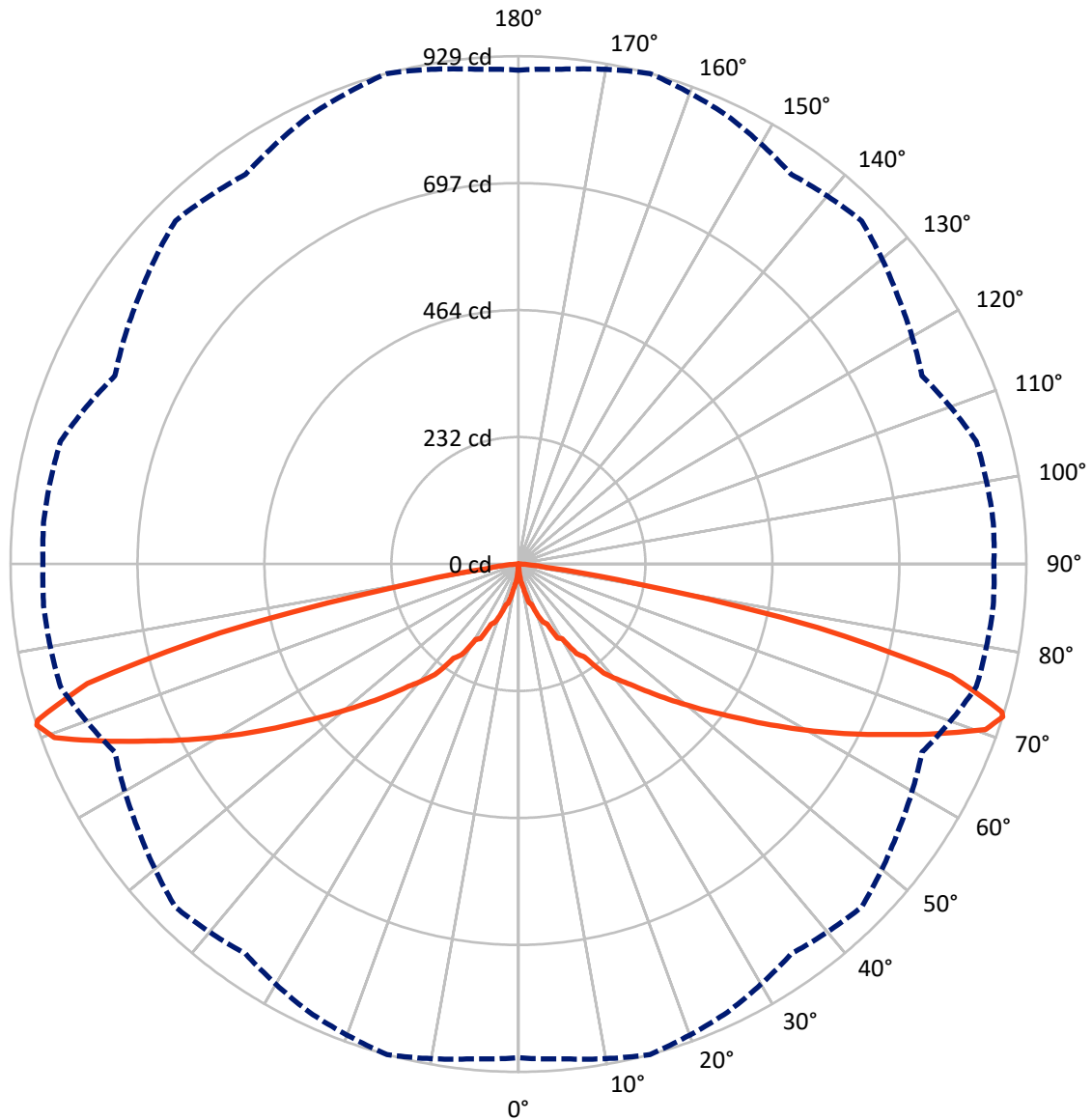


Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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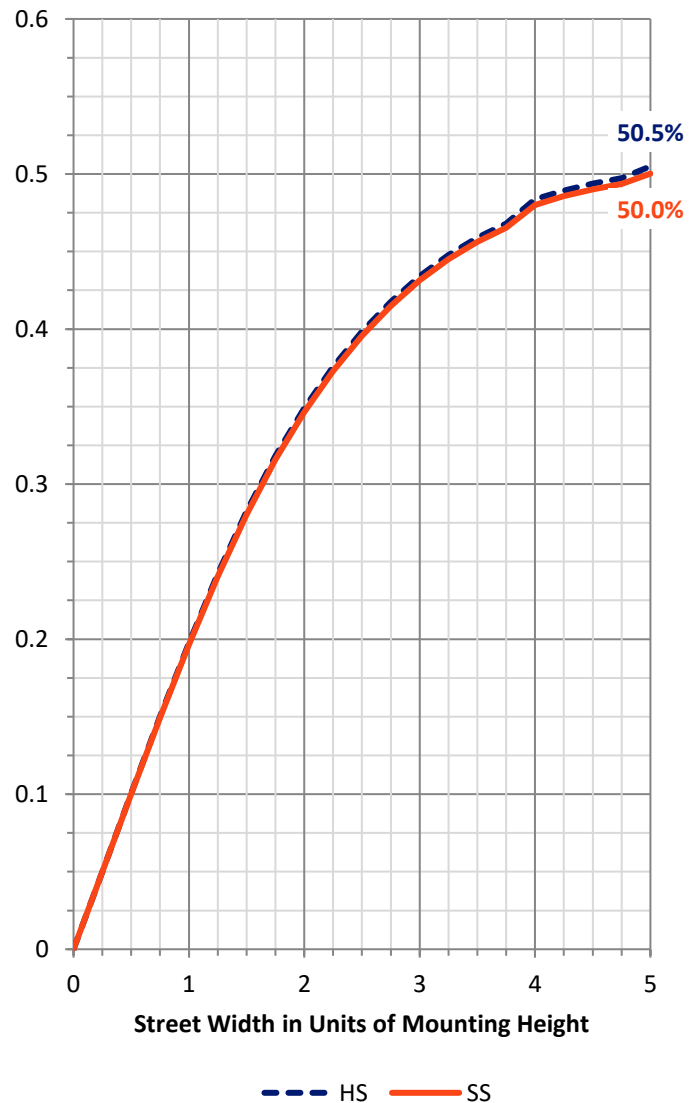
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1233.0	0.0	1233.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1233.0	0.0	1233.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2466.0	0.0	2466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	16.7	0.7
20°-30°	61.2	2.5
30°-40°	135.1	5.5
40°-50°	242.1	9.8
50°-60°	428.1	17.4
60°-70°	720.0	29.2
70°-80°	771.0	31.3
80°-90°	90.6	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°	2466.0	100.0
0°-180°	2466.0	100.0

Coefficient of Utilization



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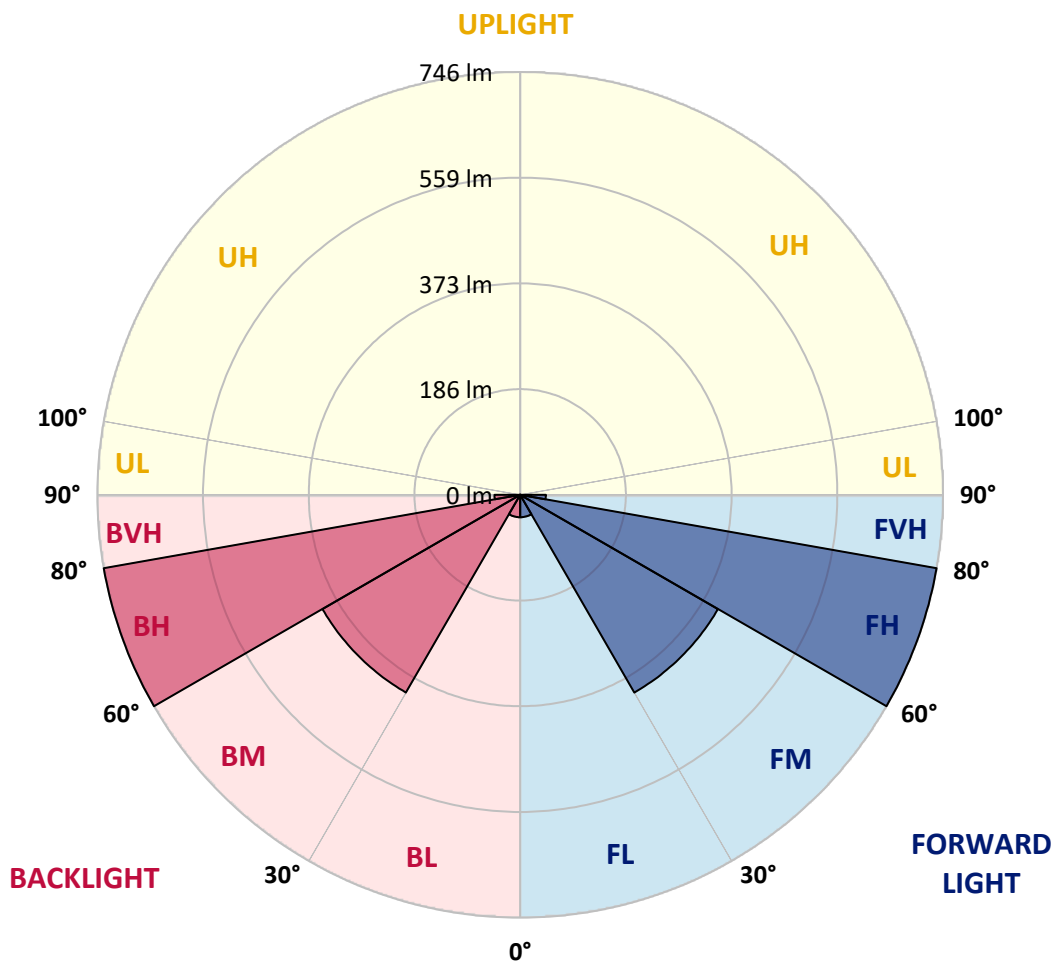
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.5	1.6			
FM (30°-60°)	402.7	16.3			
FH (60°-80°)	745.5	30.2			G1/1800
FVH (80°-90°)	45.3	1.8			G1/100
BL (0°-30°)	39.5	1.6	B0/110		
BM (30°-60°)	402.7	16.3	B1/1000		
BH (60°-80°)	745.5	30.2	B2/1000		G1/1800
BVH (80°-90°)	45.3	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°	0.8	0.8	0.8	0.8	0.5	0.5	0.2	0.2	0.5	0.5	0.5
5°	15.6	15.2	11.5	5.4	4.3	1.8	0.8	0.5	0.5	0.5	0.5
7.5°	35.5	34.8	33.9	28.9	22.2	15.8	4.6	1.1	0.8	0.5	0.5
10°	38.7	38.7	38.1	37.3	36.3	32.8	18.5	4.3	1.8	1.6	1.6
12.5°	56.3	56.0	53.4	41.6	37.9	37.1	30.9	16.5	10.9	22.4	26.7
15°	76.9	76.4	74.0	66.7	54.4	40.3	48.6	59.8	51.8	55.2	55.5
17.5°	81.4	80.7	77.7	75.0	70.5	67.7	75.8	72.8	57.7	58.5	58.7
20°	104.9	106.5	97.9	84.5	77.7	101.4	83.6	80.1	94.7	105.1	108.3
22.5°	118.2	117.7	115.0	108.6	113.2	105.1	101.9	114.7	115.0	116.6	117.1
25°	137.4	136.9	121.4	115.6	133.0	115.0	134.3	122.3	125.4	134.8	142.8
27.5°	157.3	156.3	153.2	137.4	137.2	151.4	140.1	151.1	167.3	173.1	176.5
30°	175.6	171.6	158.3	162.6	151.4	159.3	161.7	170.0	174.0	183.7	185.5
32.5°	202.9	202.0	195.1	175.1	178.8	169.0	180.2	179.4	220.4	238.3	244.2
35°	231.6	223.7	209.2	202.0	191.1	199.4	187.6	217.0	230.3	252.0	255.4
37.5°	269.6	269.0	253.3	220.7	211.1	209.6	220.7	227.7	245.3	267.1	270.1
40°	289.9	289.9	276.5	250.9	230.1	228.3	234.6	244.2	263.2	286.7	289.1
42.5°	314.4	314.4	301.0	273.5	261.0	250.9	252.5	264.0	284.3	311.7	314.8
45°	343.2	343.2	333.9	297.8	286.7	275.5	281.1	292.3	316.0	343.2	347.2
47.5°	377.9	376.8	369.4	329.3	317.8	304.5	312.3	324.3	349.1	377.9	380.9
50°	415.0	414.2	408.8	367.2	350.4	341.1	348.3	358.0	386.2	416.4	419.5
52.5°	454.3	454.0	451.9	413.1	391.0	383.8	389.9	399.3	426.9	459.6	462.5
55°	501.5	502.8	501.5	468.9	442.3	438.7	441.4	447.6	474.8	506.0	507.9
57.5°	553.3	554.1	558.9	536.5	507.1	501.5	503.1	507.4	528.7	554.4	556.2
60°	608.6	610.6	620.0	603.7	579.2	579.7	574.9	563.7	586.6	604.8	604.5
62.5°	664.1	666.5	684.1	670.8	652.9	662.6	649.1	620.8	647.3	659.8	657.4
65°	724.9	730.7	751.6	746.5	720.1	741.5	720.3	682.5	718.5	719.3	719.3
67.5°	801.0	806.6	827.8	818.6	779.3	803.9	779.6	744.9	781.2	777.0	779.0
70°	883.9	889.6	906.1	874.8	831.9	852.8	826.0	791.0	843.4	850.9	849.0
72°	903.1	908.3	928.8	904.5	870.0	887.4	848.5	814.3	866.9	871.7	869.6
72.5°	897.3	901.8	924.8	904.5	876.3	895.2	851.6	814.8	863.1	866.7	863.7
75°	777.0	785.2	818.1	839.1	866.7	918.5	839.1	766.8	774.7	764.7	752.4
77.5°	500.7	492.4	559.6	645.6	743.6	854.3	736.1	605.9	545.5	495.1	473.0
80°	148.4	156.7	216.5	321.7	502.8	640.8	511.4	325.4	199.1	139.3	133.0
82.5°	29.6	36.8	53.9	84.5	215.1	350.1	213.5	96.3	65.1	50.5	46.7
85°	11.5	11.7	23.5	26.7	36.3	71.0	51.3	33.4	31.8	21.1	18.9
87.5°	1.6	2.1	3.8	4.6	4.3	2.4	5.0	3.5	1.8	1.8	1.3
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)