

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: P253769

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253769
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-AF24-100-D-U-5WQ-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 8936.3 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 96
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

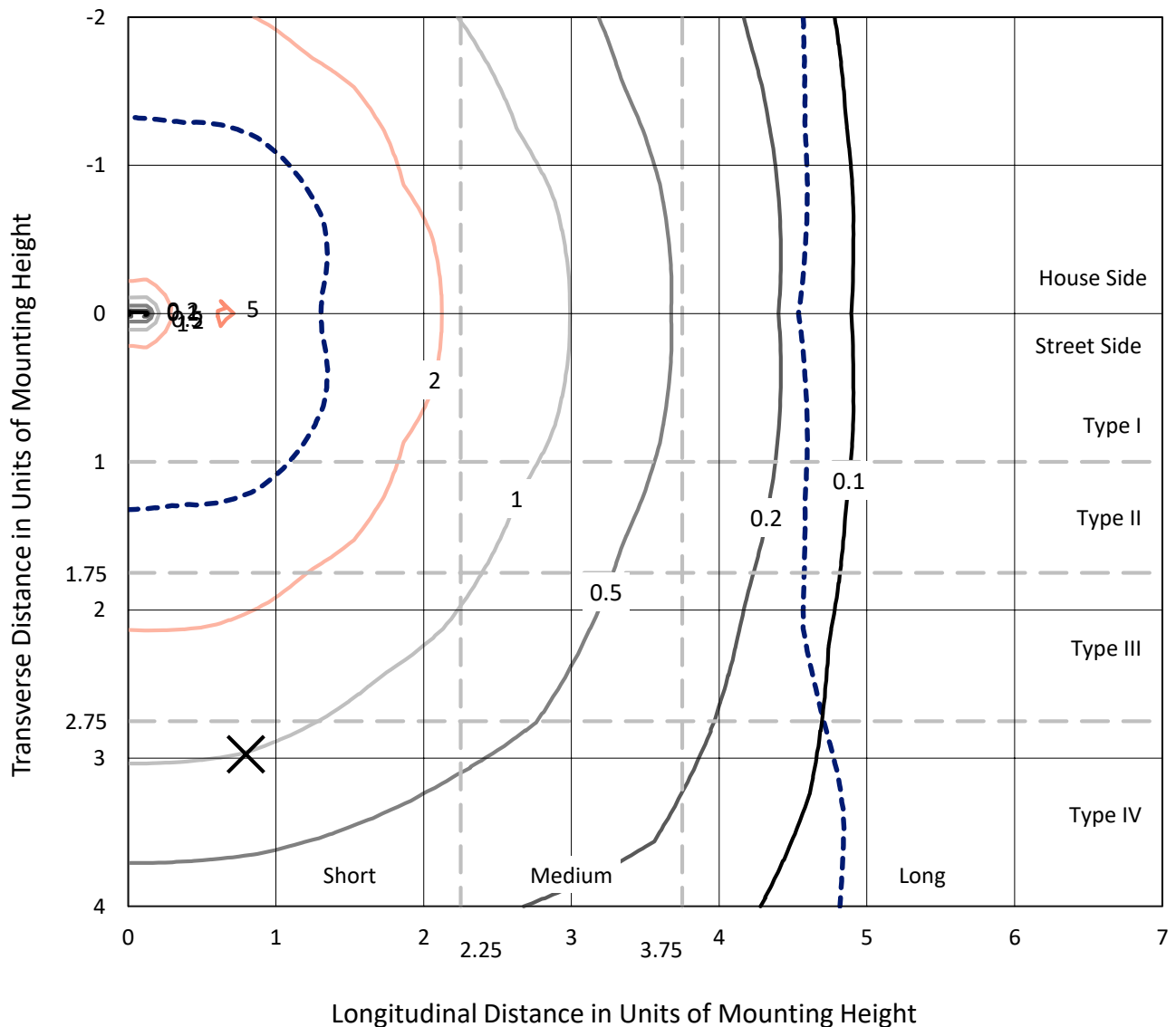


REPORT NUMBER: P253769

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

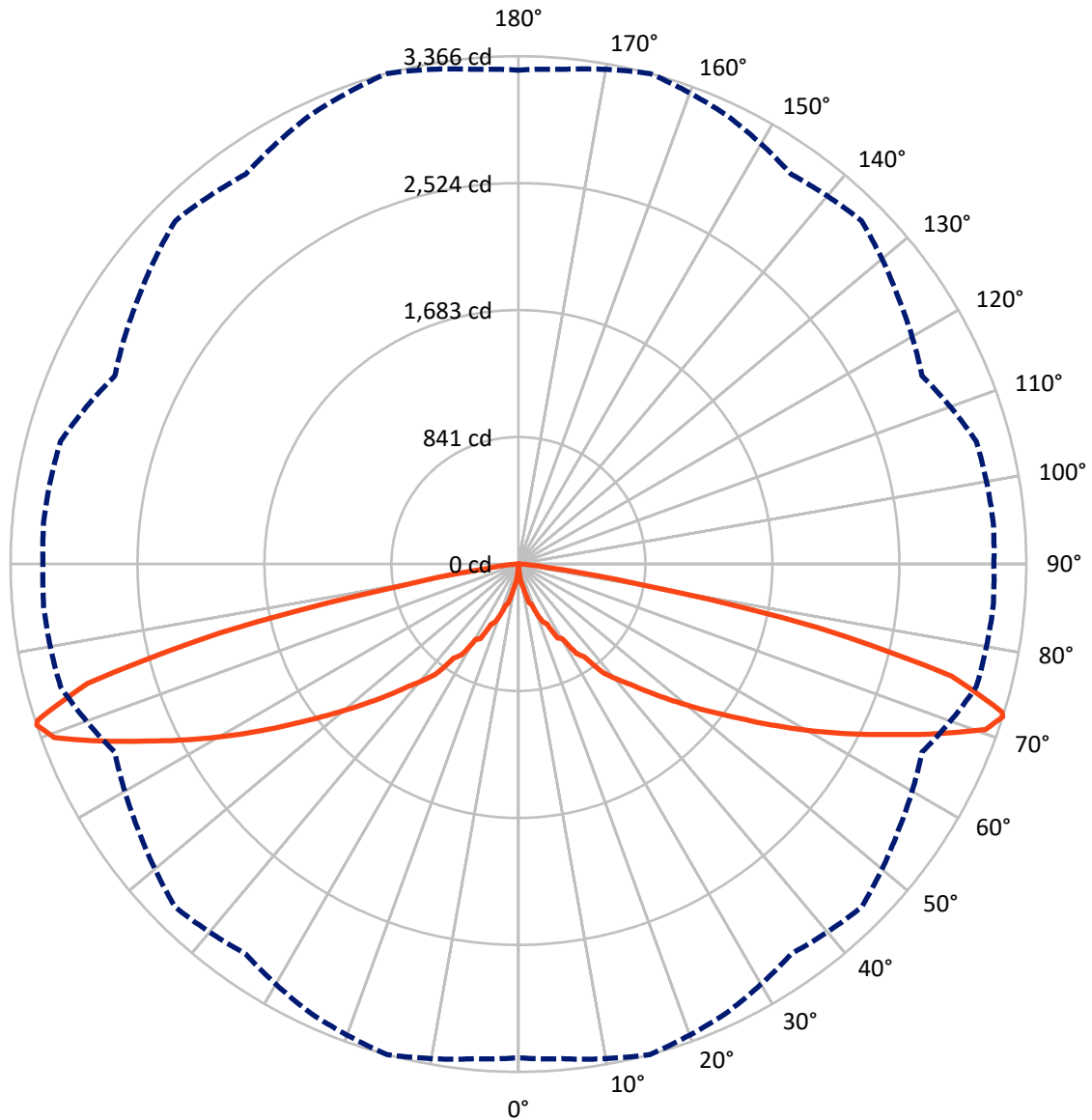


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P253769

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-5WQ-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P253769

CATALOG NUMBER: LXF.LXT-AF24-100-D-U-5WQ-7030

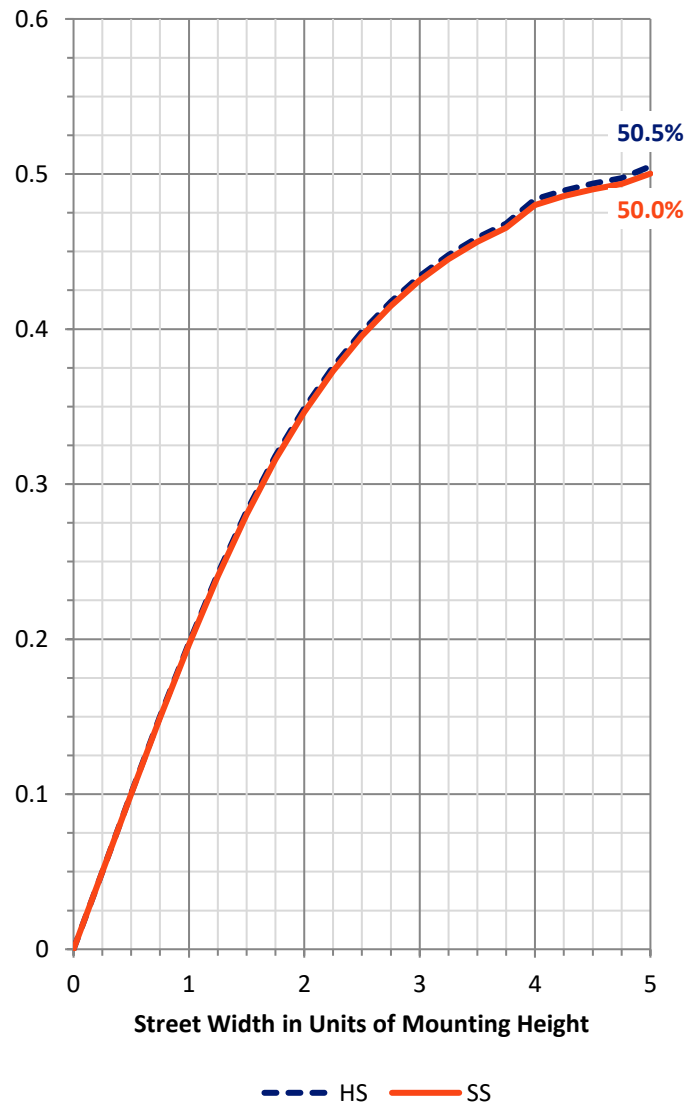
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4468.1	0.0	4468.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4468.1	0.0	4468.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8936.3	0.0	8936.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.0
10°-20°	60.6	0.7
20°-30°	221.8	2.5
30°-40°	489.6	5.5
40°-50°	877.4	9.8
50°-60°	1551.3	17.4
60°-70°	2609.3	29.2
70°-80°	2793.8	31.3
80°-90°	328.3	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°	8936.3	100.0
0°-180°	8936.3	100.0



REPORT NUMBER: P253769

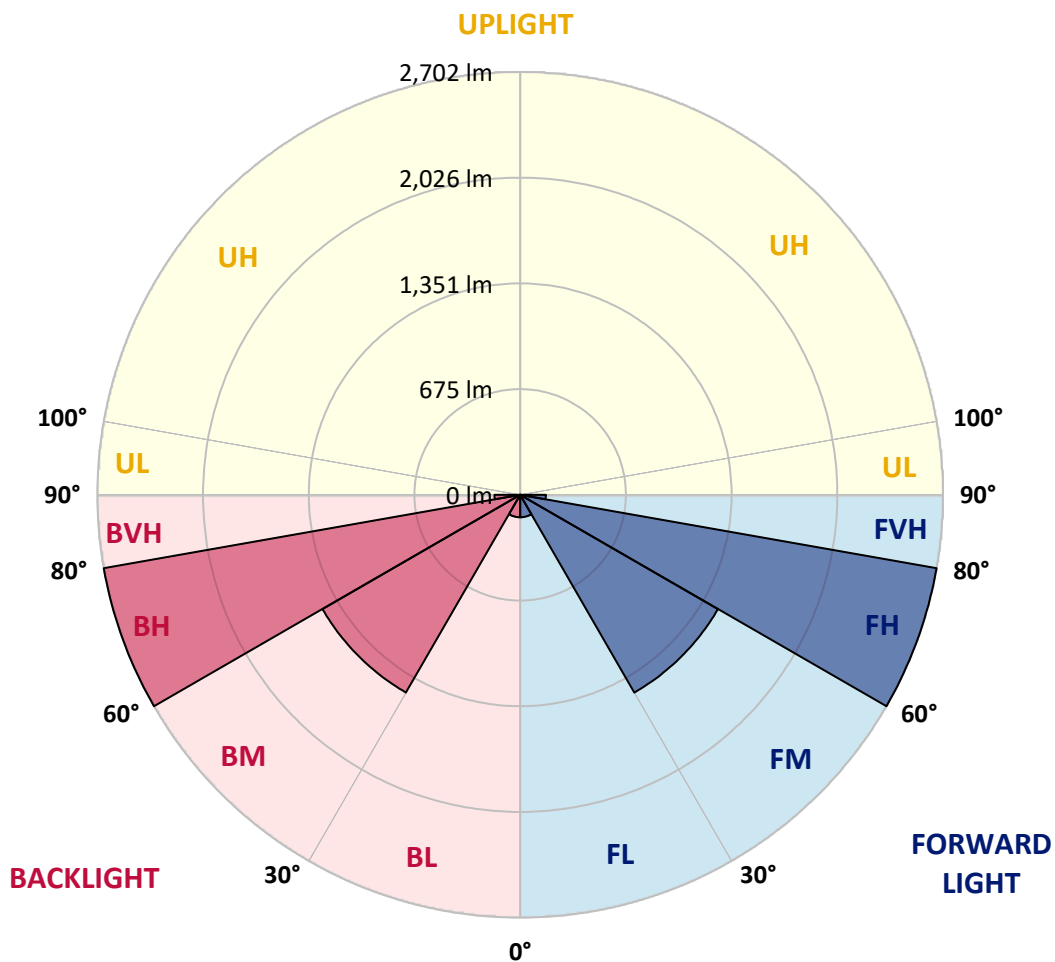
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.3	1.6			
FM (30°-60°)	1459.1	16.3			
FH (60°-80°)	2701.6	30.2			G2/5000
FVH (80°-90°)	164.2	1.8			G2/225
BL (0°-30°)	143.3	1.6	B1/500		
BM (30°-60°)	1459.1	16.3	B2/2500		
BH (60°-80°)	2701.6	30.2	B4/5000		G2/5000
BVH (80°-90°)	164.2	1.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.9	2.9	2.9	2.9	1.9	1.9	1.0	1.0	1.9	1.9	1.9
5°	56.0	55.1	41.6	19.3	15.6	6.8	2.9	1.9	1.9	1.9	1.9
7.5°	128.6	125.7	122.8	104.5	80.3	57.1	16.4	3.9	2.9	1.9	1.9
10°	140.3	140.3	138.3	135.4	131.5	119.0	66.7	15.6	6.8	5.8	5.8
12.5°	204.1	203.1	193.4	150.9	137.3	134.4	112.2	60.0	39.7	81.3	96.7
15°	278.5	276.7	267.9	241.8	197.3	146.1	176.0	216.7	187.6	200.2	201.1
17.5°	295.0	292.0	281.5	271.7	255.3	245.7	274.7	264.1	208.9	211.9	212.7
20°	380.1	385.9	355.0	306.6	281.5	367.5	302.7	290.2	343.4	381.1	392.7
22.5°	428.6	426.5	416.9	393.7	410.0	381.1	369.6	415.8	416.9	422.7	424.6
25°	498.1	496.1	440.1	418.8	481.7	416.9	486.5	442.9	454.6	488.4	517.5
27.5°	569.7	566.7	555.1	498.1	497.1	548.4	507.7	547.4	606.4	627.7	639.2
30°	636.4	621.9	573.5	589.0	548.4	577.4	586.0	616.1	630.7	665.4	672.2
32.5°	735.1	732.1	707.0	634.5	648.0	612.2	652.9	650.0	798.9	863.7	885.0
35°	839.5	810.4	758.3	732.1	692.4	722.5	679.9	786.3	834.6	913.0	925.7
37.5°	976.9	974.9	917.9	799.9	765.1	759.3	799.9	825.0	888.9	968.1	978.8
40°	1050.3	1050.3	1002.0	909.1	833.7	827.0	850.1	885.0	953.7	1038.7	1047.5
42.5°	1139.3	1139.3	1091.0	991.4	945.8	909.1	914.9	956.6	1030.1	1129.6	1141.3
45°	1243.8	1243.8	1209.9	1079.4	1038.7	998.1	1018.4	1059.0	1145.1	1243.8	1258.3
47.5°	1369.6	1365.6	1338.5	1193.5	1151.9	1103.5	1131.6	1175.1	1265.1	1369.6	1380.2
50°	1504.0	1501.1	1481.8	1330.9	1269.9	1236.0	1262.2	1297.0	1399.5	1508.8	1520.5
52.5°	1646.1	1645.2	1637.5	1497.2	1416.9	1390.8	1413.0	1446.9	1547.5	1665.4	1676.1
55°	1817.3	1822.2	1817.3	1699.3	1602.7	1590.0	1599.8	1622.0	1720.7	1833.8	1840.6
57.5°	2005.0	2007.8	2025.3	1944.0	1837.6	1817.3	1823.1	1838.7	1916.0	2008.8	2015.7
60°	2205.2	2212.9	2246.8	2187.8	2098.8	2100.7	2083.3	2042.7	2125.8	2191.6	2190.6
62.5°	2406.3	2415.0	2478.9	2430.6	2365.7	2401.5	2352.3	2249.6	2345.5	2390.9	2382.2
65°	2626.9	2648.1	2723.7	2705.3	2609.4	2686.8	2610.4	2473.1	2603.6	2606.6	2606.6
67.5°	2902.5	2922.8	3000.3	2966.4	2824.2	2913.2	2825.1	2699.5	2830.9	2815.5	2823.3
70°	3203.4	3223.5	3283.6	3170.4	3014.7	3090.2	2993.4	2866.8	3056.3	3083.4	3076.6
72°	3273.0	3291.3	3365.8	3277.8	3153.0	3215.9	3074.7	2950.9	3141.4	3158.8	3151.0
72.5°	3251.7	3268.2	3351.3	3277.8	3175.3	3243.9	3086.2	2952.8	3127.9	3140.4	3129.8
75°	2815.5	2845.4	2964.4	3040.8	3140.4	3328.0	3040.8	2778.7	2807.8	2771.1	2726.4
77.5°	1814.5	1784.4	2028.2	2339.6	2694.6	3096.0	2667.4	2195.6	1976.9	1794.1	1713.8
80°	537.8	567.7	784.4	1165.5	1822.2	2322.2	1853.1	1179.0	721.5	504.9	481.7
82.5°	107.4	133.6	195.3	306.6	779.6	1268.9	773.8	349.2	236.0	182.8	169.3
85°	41.6	42.5	85.1	96.7	131.5	257.3	185.7	121.0	115.0	76.4	68.8
87.5°	5.8	7.7	13.5	16.4	15.6	8.7	18.3	12.6	6.8	6.8	4.8
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)