

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: P416689

Luminaire Tested: **LXF.LXT-PA1-80-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8871 lumens
Efficiency: N/A
Efficacy: 106.9 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): 83
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

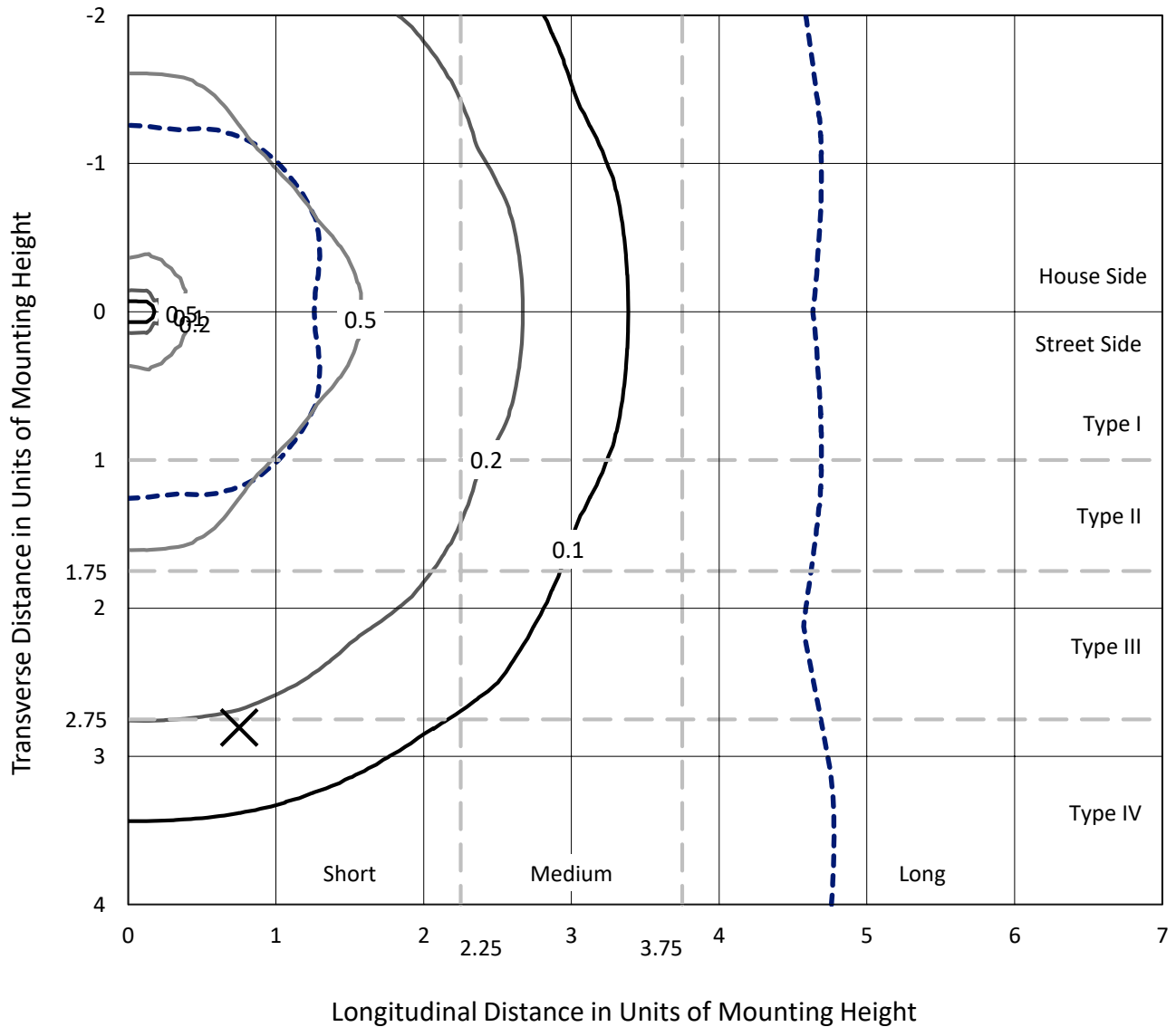


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Iso-Footcandle Lines of Horizontal Illumination

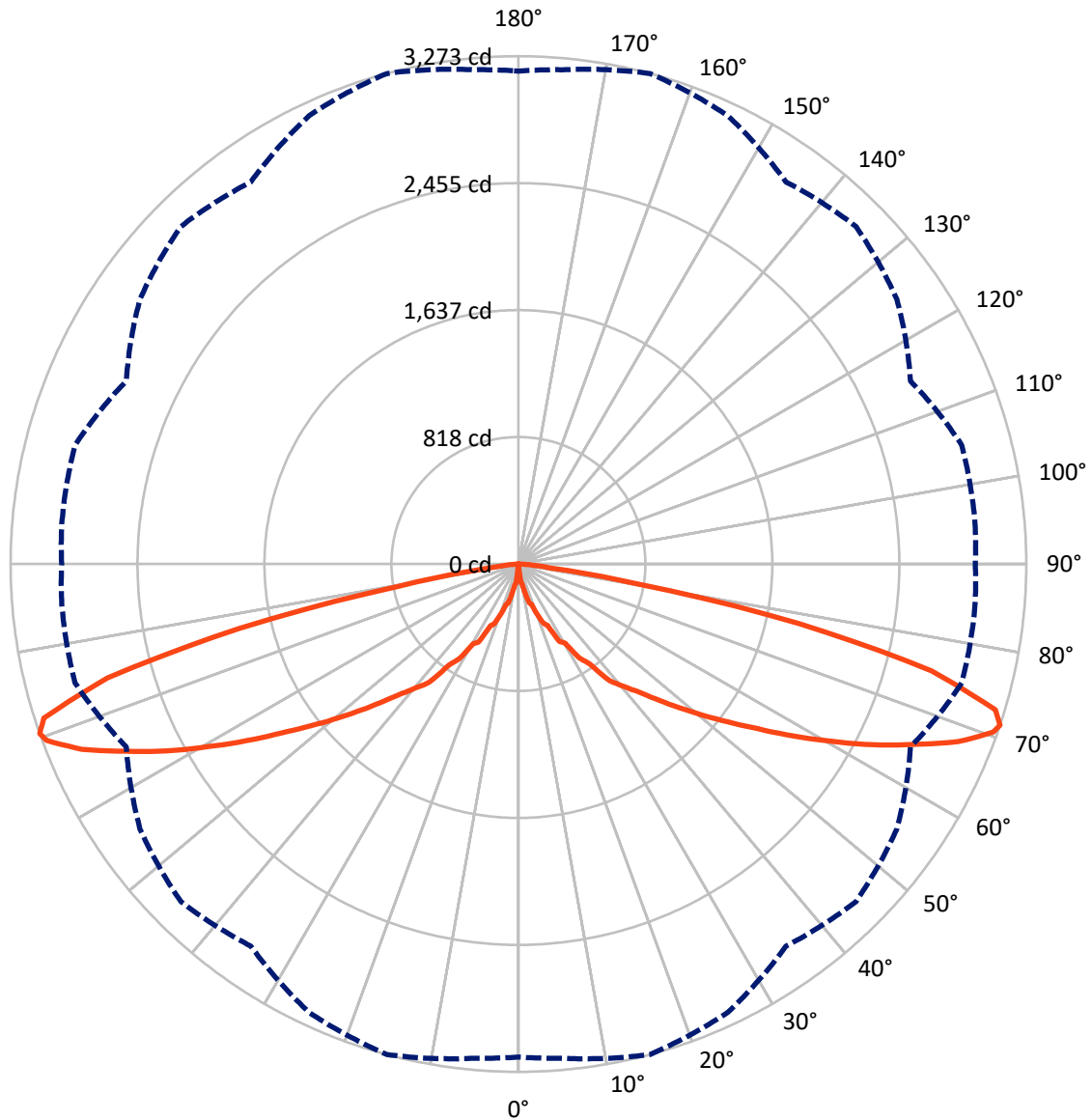
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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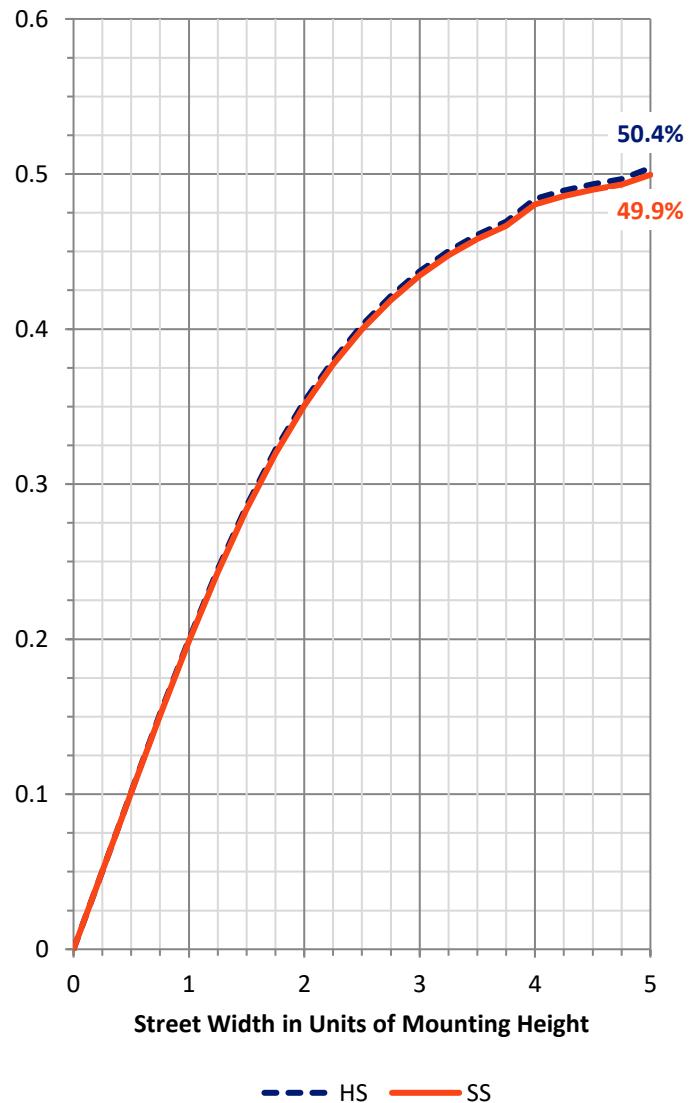
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4435.5	0.0	4435.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4435.5	0.0	4435.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8871.0	0.0	8871.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	58.8	0.7
20°-30°	222.2	2.5
30°-40°	503.2	5.7
40°-50°	899.2	10.1
50°-60°	1582.6	17.8
60°-70°	2618.0	29.5
70°-80°	2647.5	29.8
80°-90°	335.4	3.8
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°	8871.0	100.0
0°-180°	8871.0	100.0



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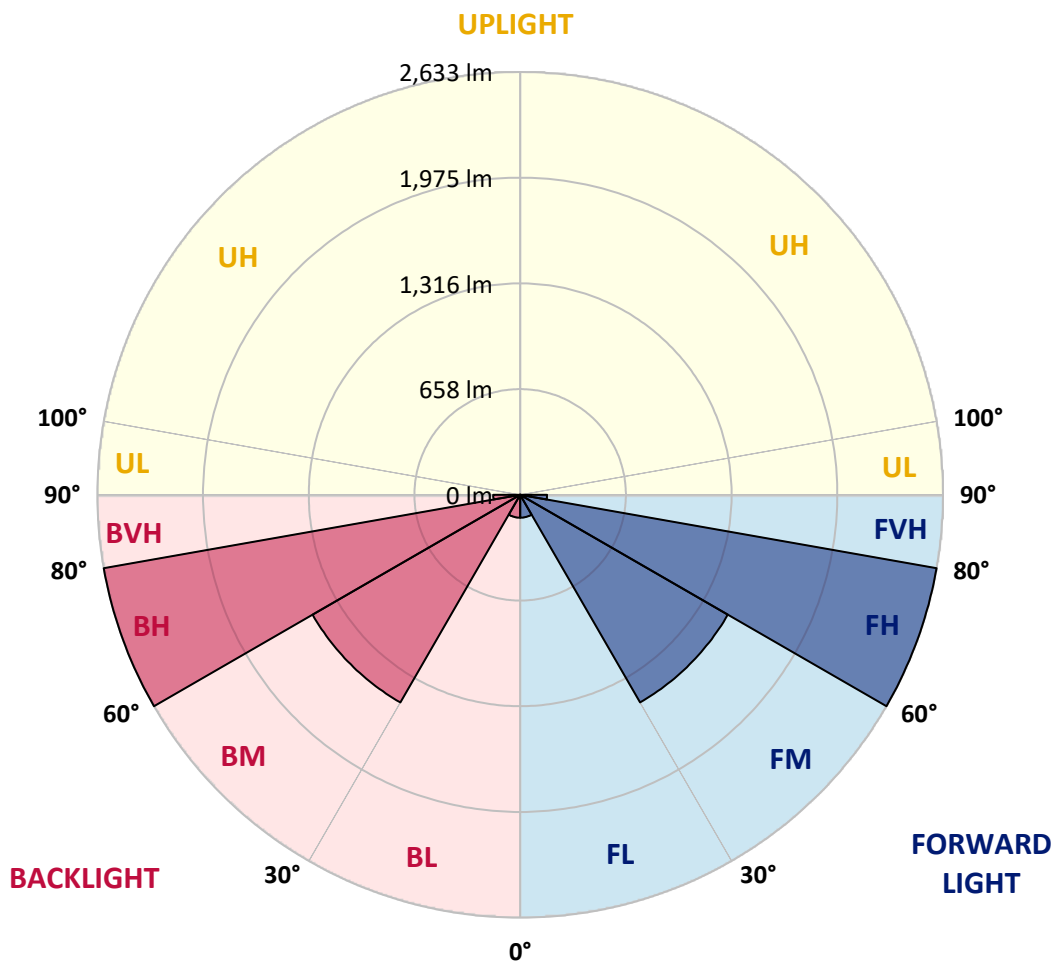
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.5	1.6			
FM	(30°-60°)	1492.5	16.8			
FH	(60°-80°)	2632.8	29.7			G2/5000
FVH	(80°-90°)	167.7	1.9			G2/225
BL	(0°-30°)	142.5	1.6	B1/500		
BM	(30°-60°)	1492.5	16.8	B2/2500		
BH	(60°-80°)	2632.8	29.7	B4/5000		G2/5000
BVH	(80°-90°)	167.7	1.9			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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
5°	54.6	39.2	19.1	15.5	10.9	3.6	1.8	1.8	1.8	0.9	0.9
7.5°	122.9	122.0	120.2	104.7	73.8	54.6	11.8	2.7	1.8	1.8	1.8
10°	136.6	135.7	134.8	132.0	128.4	116.6	61.0	11.8	4.6	5.5	5.5
12.5°	196.7	195.8	187.6	145.7	133.0	130.2	110.2	56.5	48.3	91.1	96.5
15°	268.6	267.7	258.6	222.2	190.3	140.2	182.1	202.2	180.3	199.4	199.4
17.5°	285.0	282.3	273.2	264.1	251.3	244.1	268.6	258.6	200.3	214.0	214.0
20°	383.4	364.3	346.1	294.1	272.3	357.0	289.6	282.3	316.9	374.3	384.3
22.5°	425.3	424.4	415.3	391.6	387.0	374.3	360.6	410.7	418.9	426.2	428.9
25°	500.9	495.4	438.9	419.8	480.8	409.8	486.3	444.4	459.0	526.4	533.7
27.5°	578.3	576.5	564.6	503.6	503.6	544.6	511.8	537.3	612.0	638.4	648.4
30°	646.6	612.0	590.1	600.1	558.2	583.7	585.6	629.3	647.5	681.2	690.3
32.5°	759.5	756.8	721.3	653.9	655.7	618.3	669.3	665.7	814.1	890.6	910.7
35°	842.4	848.7	788.6	762.2	700.3	736.7	715.8	809.6	857.9	945.3	958.0
37.5°	1005.4	1004.5	955.3	824.2	779.5	778.6	816.9	851.5	924.3	1004.5	1012.7
40°	1075.5	1073.7	1032.7	955.3	840.6	848.7	870.6	902.5	983.5	1074.6	1079.1
42.5°	1172.9	1163.8	1122.0	1019.0	957.1	940.7	946.2	985.3	1062.8	1171.1	1166.6
45°	1271.3	1274.0	1237.6	1120.1	1059.1	1025.4	1035.4	1087.3	1173.9	1281.3	1280.4
47.5°	1390.6	1394.2	1376.9	1230.3	1176.6	1130.1	1149.3	1201.2	1295.9	1400.6	1398.8
50°	1538.1	1537.2	1525.4	1365.1	1309.5	1264.0	1278.6	1322.3	1422.5	1526.3	1537.2
52.5°	1688.4	1692.0	1690.2	1528.1	1467.1	1423.4	1437.0	1478.0	1575.5	1679.3	1688.4
55°	1857.8	1875.1	1873.3	1738.5	1642.9	1631.0	1639.2	1648.3	1755.8	1856.9	1858.7
57.5°	2067.2	2075.4	2091.8	1976.2	1868.7	1862.3	1846.8	1843.2	1948.8	2032.6	2019.9
60°	2284.9	2293.1	2319.5	2244.8	2126.4	2139.2	2088.2	2032.6	2133.7	2201.1	2193.8
62.5°	2493.4	2512.6	2564.5	2504.4	2395.1	2434.2	2336.8	2243.0	2336.8	2392.3	2381.4
65°	2717.5	2741.1	2802.1	2778.5	2622.7	2705.6	2601.8	2445.2	2572.7	2600.0	2601.8
67.5°	2964.2	2983.4	3056.2	3013.4	2820.4	2909.6	2824.0	2643.7	2783.9	2773.9	2763.9
70°	3154.6	3178.3	3245.6	3156.4	2964.2	3038.9	2954.2	2769.4	2932.4	2937.8	2929.6
71°	3177.3	3197.4	3273.0	3189.2	3006.1	3076.3	2977.0	2788.5	2957.9	2954.2	2944.2
72.5°	3101.8	3126.3	3215.6	3161.9	3038.9	3122.7	2976.1	2757.5	2921.4	2887.7	2874.1
75°	2627.3	2640.0	2749.3	2847.7	2920.5	3102.7	2810.3	2514.4	2623.7	2571.7	2565.4
77.5°	1596.4	1629.2	1847.8	2149.2	2500.7	2793.0	2445.2	2033.5	1990.7	1836.8	1776.7
80°	551.0	608.3	781.4	1099.2	1682.0	2158.3	1723.9	1243.1	929.8	700.3	647.5
82.5°	92.0	133.9	203.1	344.2	755.9	1226.7	851.5	410.7	266.8	186.7	180.3
85°	31.0	36.4	77.4	95.6	176.7	337.9	198.5	113.8	98.4	62.8	58.3
87.5°	4.6	6.4	10.0	10.9	15.5	9.1	16.4	17.3	13.7	9.1	5.5
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)