

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: P413829

Luminaire Tested: **LXF.LXT-PA1-100-740-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413829
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-PA1-100-740-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10635 lumens
Efficiency: N/A
Efficacy: 110.8 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

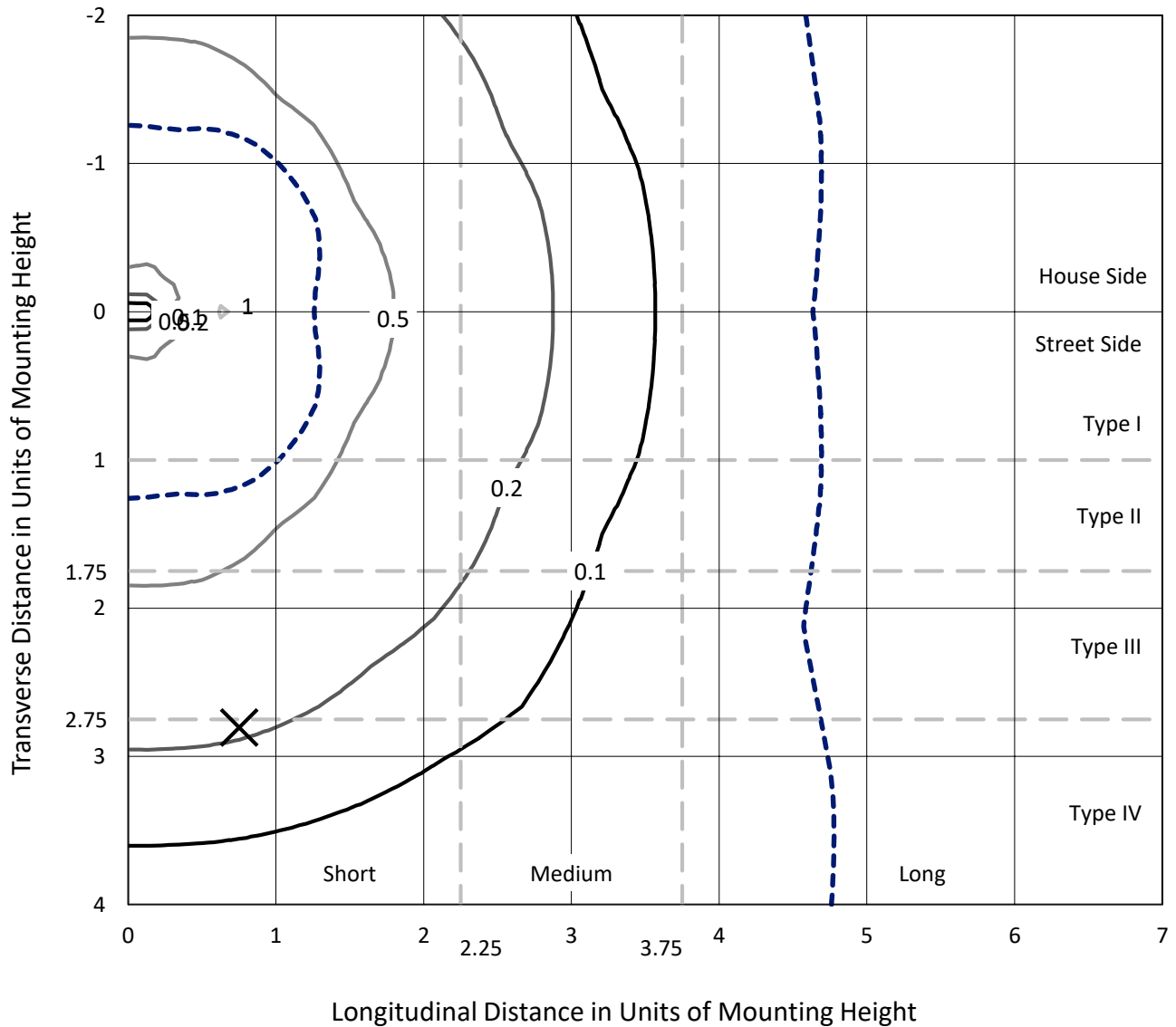
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

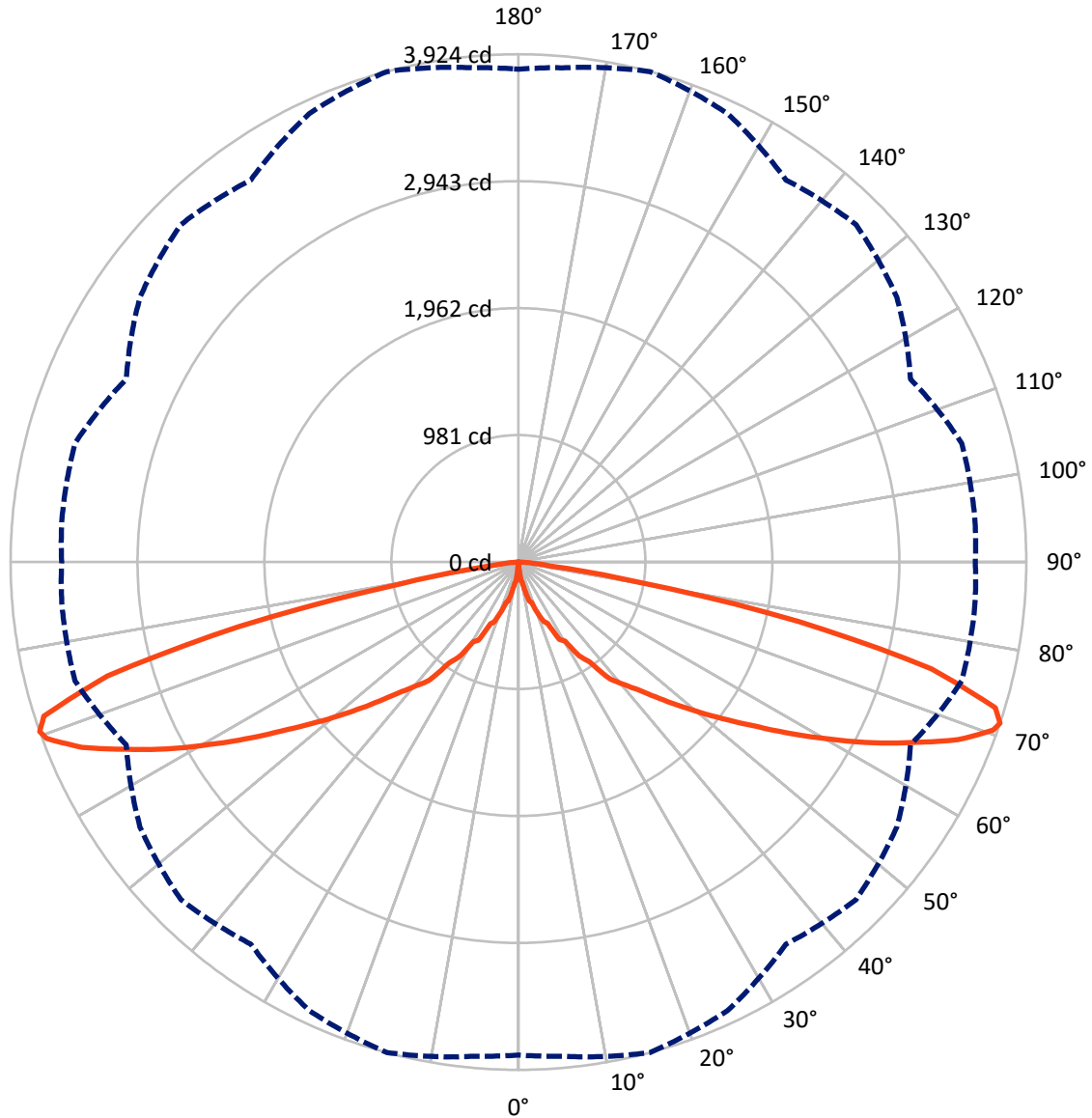
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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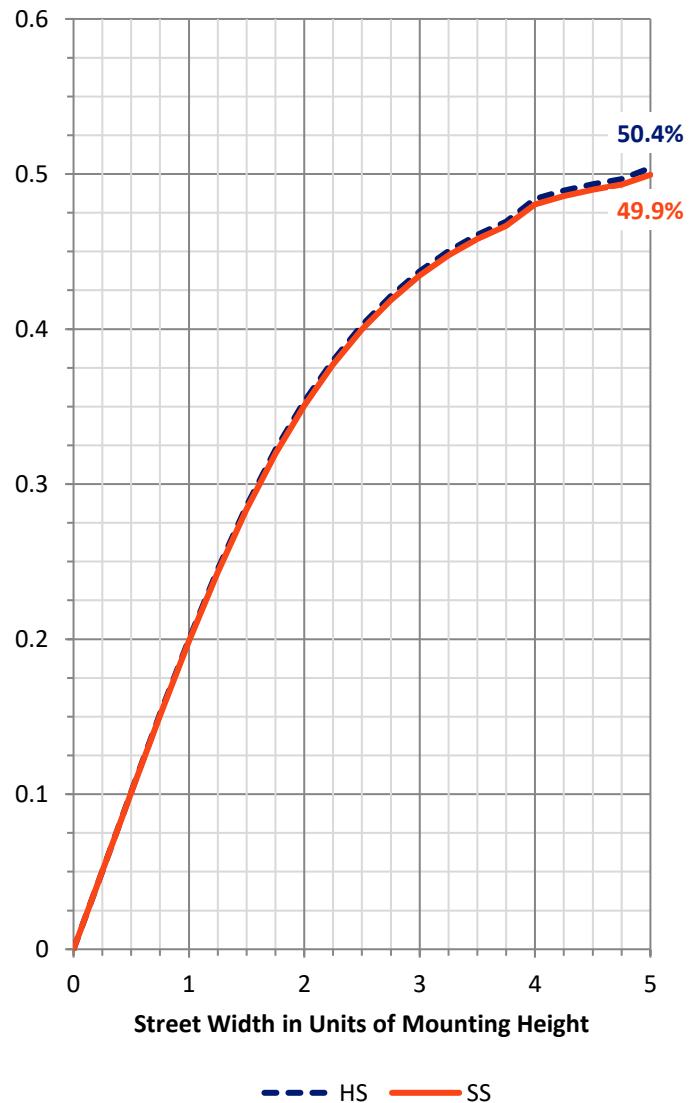
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5317.5	0.0	5317.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5317.5	0.0	5317.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10635.0	0.0	10635.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.0
10°-20°	70.5	0.7
20°-30°	266.4	2.5
30°-40°	603.3	5.7
40°-50°	1078.1	10.1
50°-60°	1897.3	17.8
60°-70°	3138.6	29.5
70°-80°	3174.0	29.8
80°-90°	402.1	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°	10635.0	100.0
0°-180°	10635.0	100.0



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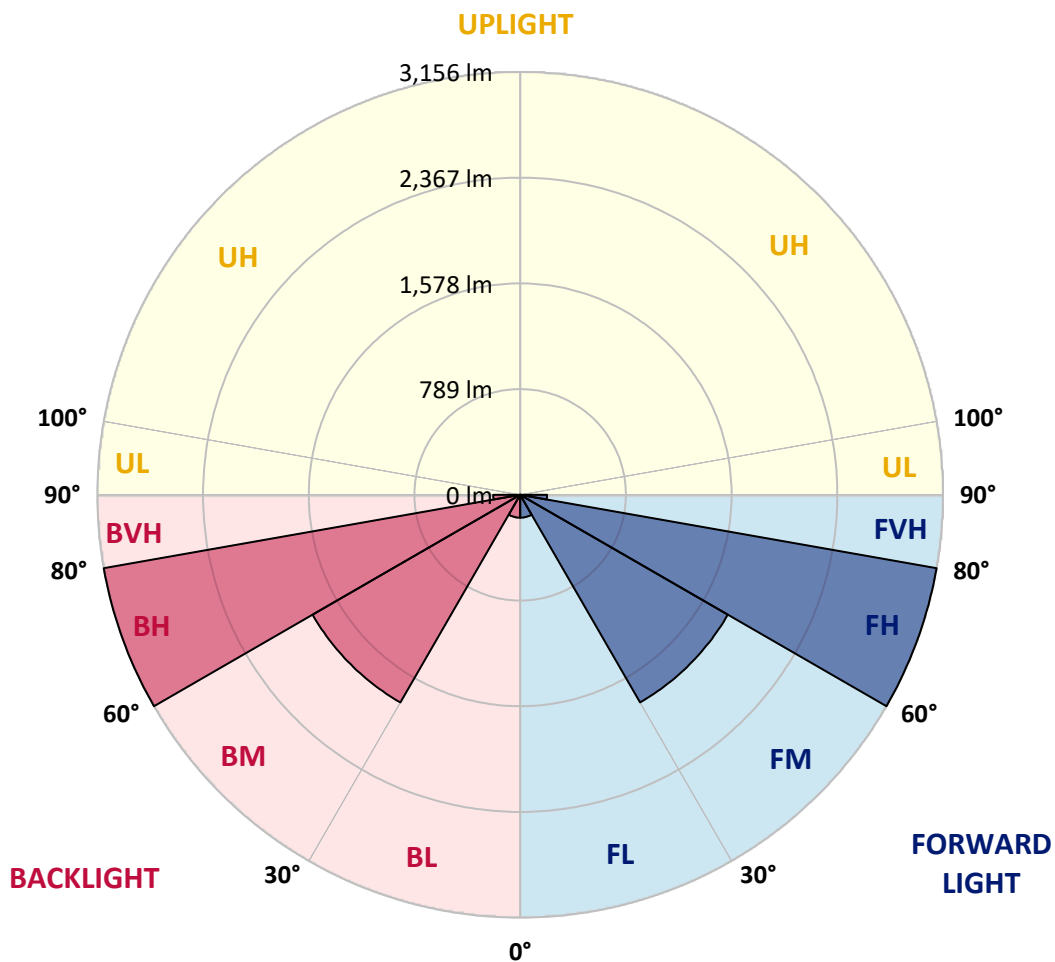
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.8	1.6			
FM (30°-60°)	1789.3	16.8			
FH (60°-80°)	3156.3	29.7			G2/5000
FVH (80°-90°)	201.1	1.9			G2/225
BL (0°-30°)	170.8	1.6	B1/500		
BM (30°-60°)	1789.3	16.8	B2/2500		
BH (60°-80°)	3156.3	29.7	B4/5000		G2/5000
BVH (80°-90°)	201.1	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	3.3	3.3	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
5°	65.5	46.9	22.9	18.6	13.1	4.4	2.2	2.2	2.2	1.1	1.1
7.5°	147.4	146.3	144.1	125.6	88.4	65.5	14.2	3.3	2.2	2.2	2.2
10°	163.8	162.7	161.6	158.3	153.9	139.7	73.1	14.2	5.5	6.6	6.6
12.5°	235.8	234.7	224.9	174.7	159.4	156.1	132.1	67.7	57.9	109.2	115.7
15°	322.1	321.0	310.1	266.4	228.2	168.1	218.4	242.4	216.2	239.1	239.1
17.5°	341.7	338.4	327.5	316.6	301.3	292.6	322.1	310.1	240.2	256.6	256.6
20°	459.6	436.7	414.9	352.6	326.4	428.0	347.2	338.4	379.9	448.7	460.7
22.5°	509.9	508.8	497.8	469.5	464.0	448.7	432.3	492.4	502.2	510.9	514.2
25°	600.5	593.9	526.2	503.3	576.5	491.3	583.0	532.8	550.2	631.0	639.8
27.5°	693.3	691.1	676.9	603.7	603.7	652.9	613.6	644.1	733.7	765.3	777.3
30°	775.2	733.7	707.5	719.5	669.3	699.8	702.0	754.4	776.2	816.6	827.6
32.5°	910.5	907.3	864.7	783.9	786.1	741.3	802.4	798.1	976.0	1067.7	1091.8
35°	1009.9	1017.5	945.5	913.8	839.6	883.2	858.1	970.6	1028.4	1133.2	1148.5
37.5°	1205.3	1204.2	1145.3	988.0	934.5	933.5	979.3	1020.8	1108.1	1204.2	1214.0
40°	1289.4	1287.2	1238.1	1145.3	1007.7	1017.5	1043.7	1081.9	1179.1	1288.3	1293.7
42.5°	1406.2	1395.3	1345.1	1221.7	1147.4	1127.8	1134.3	1181.3	1274.1	1404.0	1398.5
45°	1524.1	1527.4	1483.7	1342.9	1269.7	1229.3	1241.3	1303.6	1407.3	1536.1	1535.0
47.5°	1667.1	1671.5	1650.7	1475.0	1410.6	1354.9	1377.8	1440.0	1553.6	1679.1	1676.9
50°	1844.0	1842.9	1828.7	1636.6	1570.0	1515.4	1532.8	1585.2	1705.3	1829.8	1842.9
52.5°	2024.1	2028.5	2026.3	1832.0	1758.8	1706.4	1722.8	1771.9	1888.7	2013.2	2024.1
55°	2227.2	2247.9	2245.8	2084.2	1969.5	1955.3	1965.2	1976.1	2104.9	2226.1	2228.3
57.5°	2478.3	2488.1	2507.8	2369.1	2240.3	2232.7	2214.1	2209.7	2336.4	2436.8	2421.5
60°	2739.2	2749.1	2780.7	2691.2	2549.3	2564.5	2503.4	2436.8	2558.0	2638.8	2630.1
62.5°	2989.2	3012.2	3074.4	3002.3	2871.3	2918.3	2801.5	2689.0	2801.5	2868.1	2855.0
65°	3257.8	3286.2	3359.4	3331.0	3144.3	3243.6	3119.2	2931.4	3084.2	3117.0	3119.2
67.5°	3553.7	3576.6	3664.0	3612.6	3381.2	3488.2	3385.6	3169.4	3337.5	3325.5	3313.5
70°	3781.9	3810.2	3891.0	3784.0	3553.7	3643.2	3541.7	3320.0	3515.5	3522.0	3512.2
71°	3809.2	3833.2	3923.8	3823.4	3603.9	3688.0	3569.0	3343.0	3546.0	3541.7	3529.7
72.5°	3718.5	3748.0	3855.0	3790.6	3643.2	3743.7	3567.9	3305.9	3502.4	3462.0	3445.6
75°	3149.7	3165.0	3296.0	3413.9	3501.3	3719.6	3369.2	3014.4	3145.4	3083.1	3075.5
77.5°	1913.9	1953.2	2215.2	2576.6	2998.0	3348.4	2931.4	2437.9	2386.6	2202.1	2130.0
80°	660.5	729.3	936.7	1317.8	2016.5	2587.5	2066.7	1490.3	1114.7	839.6	776.2
82.5°	110.3	160.5	243.5	412.7	906.2	1470.6	1020.8	492.4	319.9	223.8	216.2
85°	37.1	43.7	92.8	114.6	211.8	405.0	238.0	136.5	117.9	75.3	69.9
87.5°	5.5	7.6	12.0	13.1	18.6	10.9	19.7	20.7	16.4	10.9	6.6
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)