

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: P253778

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253778
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 9452 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

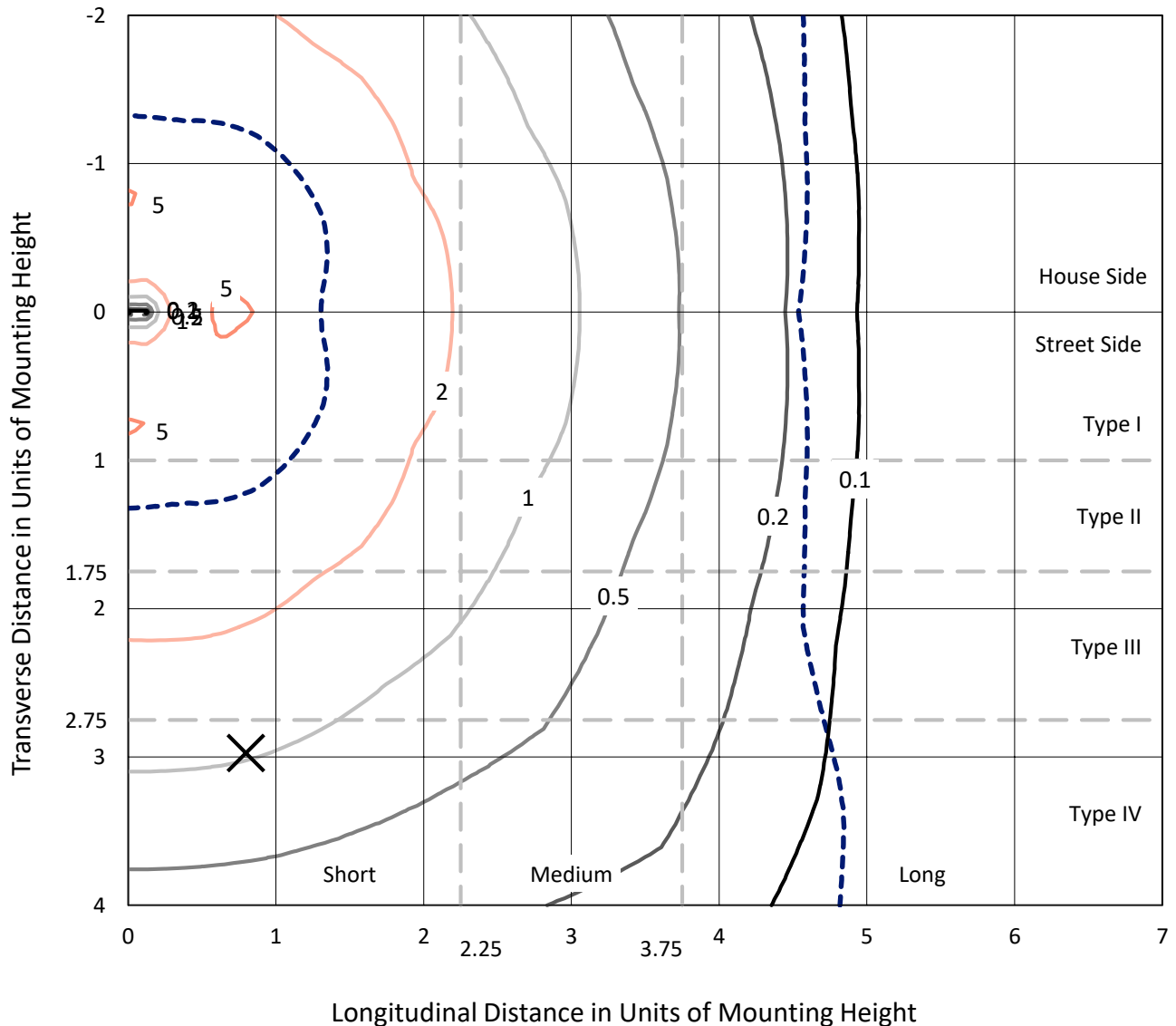
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

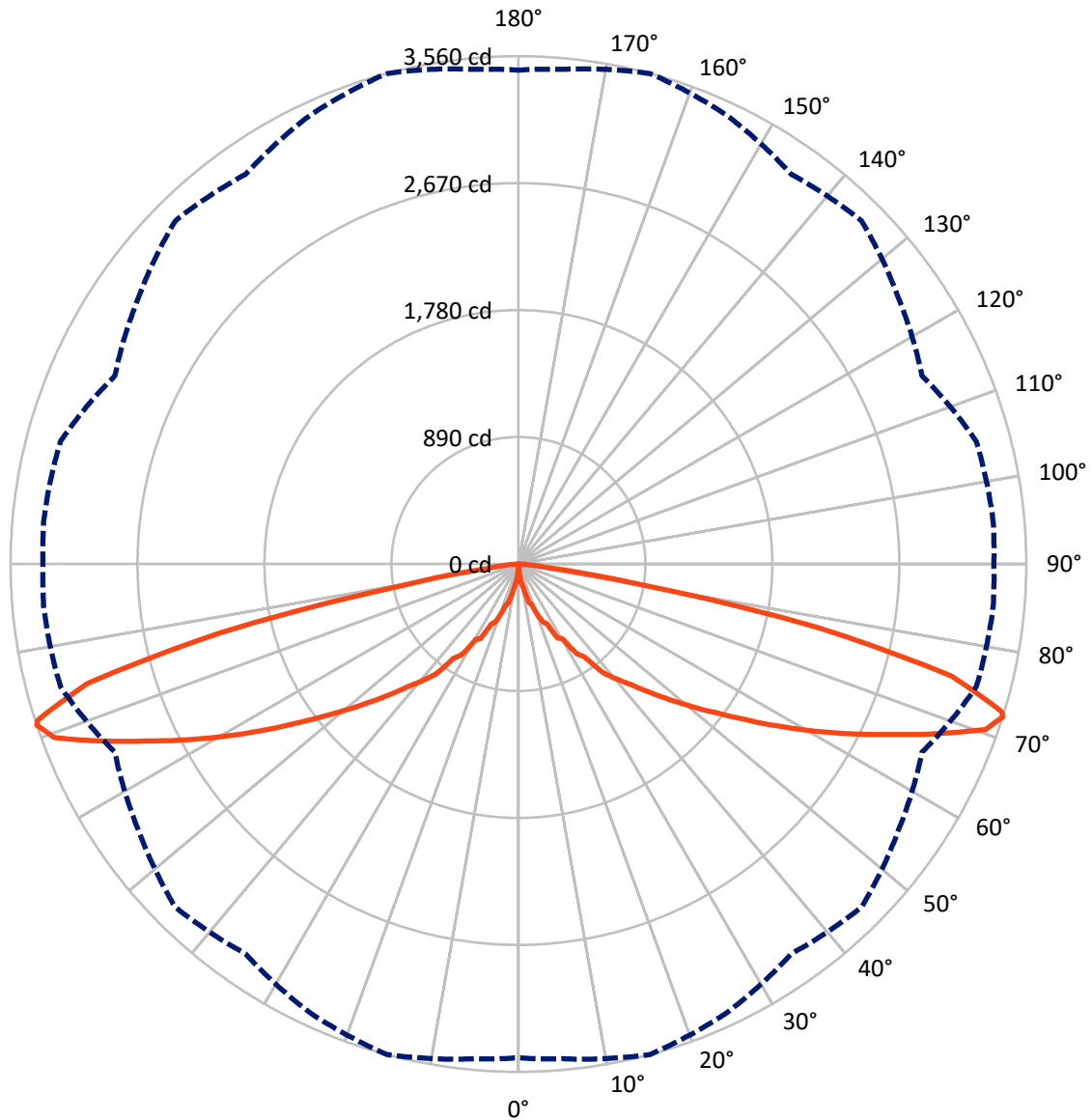
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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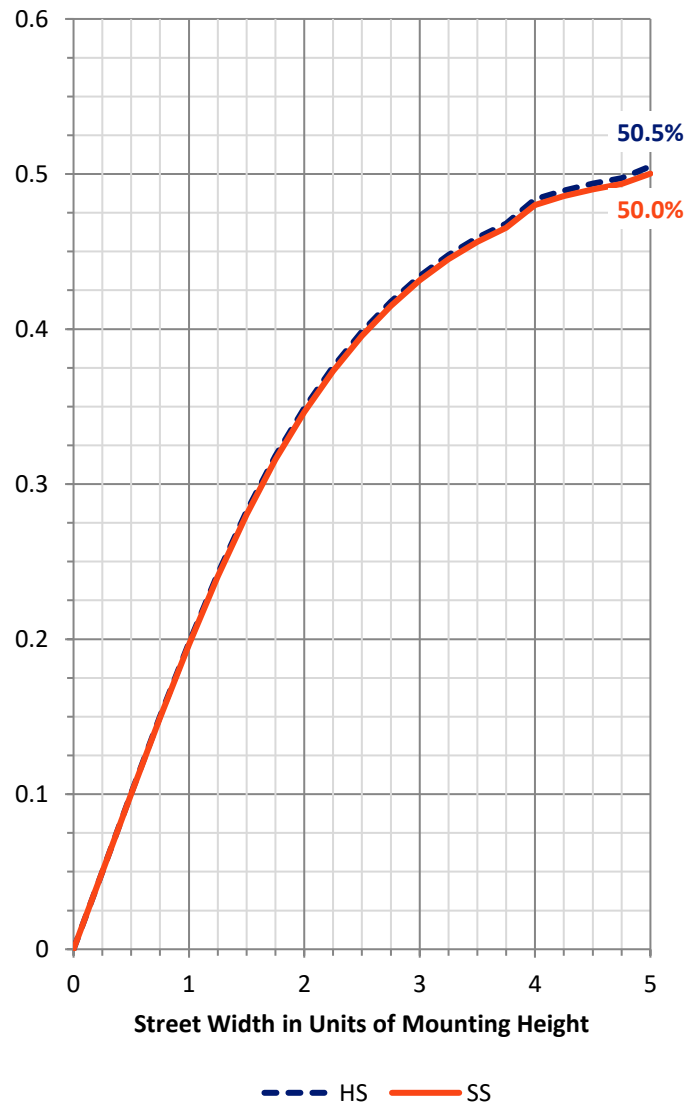
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4726.0	0.0	4726.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4726.0	0.0	4726.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9452.0	0.0	9452.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.0
10°-20°	64.1	0.7
20°-30°	234.6	2.5
30°-40°	517.8	5.5
40°-50°	928.1	9.8
50°-60°	1640.9	17.4
60°-70°	2759.9	29.2
70°-80°	2955.1	31.3
80°-90°	347.3	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°	9452.0	100.0
0°-180°	9452.0	100.0



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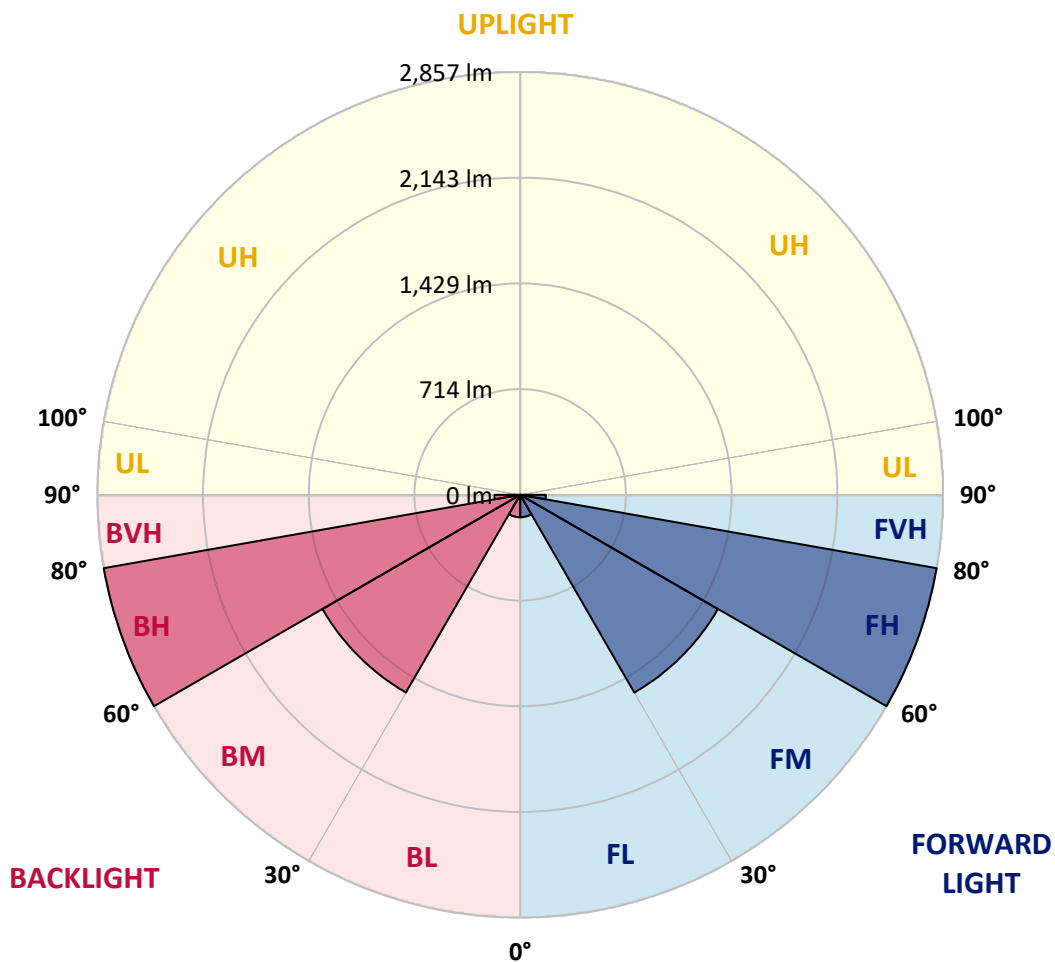
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.6	1.6			
FM (30°-60°)	1543.4	16.3			
FH (60°-80°)	2857.5	30.2			G2/5000
FVH (80°-90°)	173.6	1.8			G2/225
BL (0°-30°)	151.6	1.6	B1/500		
BM (30°-60°)	1543.4	16.3	B2/2500		
BH (60°-80°)	2857.5	30.2	B4/5000		G2/5000
BVH (80°-90°)	173.6	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°	3.1	3.1	3.1	3.1	2.0	2.0	1.0	1.0	2.0	2.0	2.0
5°	59.3	58.3	44.0	20.5	16.4	7.2	3.1	2.0	2.0	2.0	2.0
7.5°	136.1	133.0	129.9	110.5	84.9	60.4	17.4	4.1	3.1	2.0	2.0
10°	148.3	148.3	146.3	143.2	139.1	125.8	70.6	16.4	7.2	6.1	6.1
12.5°	215.8	214.8	204.6	159.6	145.3	142.2	118.7	63.4	41.9	85.9	102.3
15°	294.6	292.6	283.4	255.7	208.7	154.5	186.2	229.1	198.5	211.8	212.8
17.5°	312.0	308.9	297.7	287.4	270.1	259.8	290.5	279.3	221.0	224.0	225.0
20°	402.0	408.2	375.4	324.3	297.7	388.7	320.2	306.9	363.1	403.0	415.3
22.5°	453.2	451.1	440.9	416.3	433.7	403.0	390.8	439.9	440.9	447.0	449.1
25°	526.8	524.8	465.4	442.9	509.4	440.9	514.5	468.5	480.8	516.6	547.3
27.5°	602.5	599.4	587.2	526.8	525.8	580.0	537.0	579.0	641.4	663.9	676.2
30°	673.1	657.8	606.6	623.0	580.0	610.7	619.9	651.6	667.0	703.8	711.0
32.5°	777.4	774.4	747.8	671.1	685.4	647.5	690.5	687.4	845.0	913.5	936.0
35°	887.9	857.2	802.0	774.4	732.4	764.1	719.1	831.7	882.8	965.8	979.1
37.5°	1033.3	1031.2	970.9	846.0	809.2	803.0	846.0	872.6	940.1	1024.1	1035.3
40°	1111.0	1111.0	1059.9	961.7	881.8	874.6	899.2	936.0	1008.7	1098.8	1108.0
42.5°	1205.1	1205.1	1154.0	1048.6	1000.5	961.7	967.8	1011.8	1089.5	1194.9	1207.2
45°	1315.6	1315.6	1279.8	1141.7	1098.8	1055.8	1077.3	1120.2	1211.3	1315.6	1331.0
47.5°	1448.6	1444.5	1415.9	1262.4	1218.4	1167.3	1197.0	1243.0	1338.1	1448.6	1459.9
50°	1590.8	1587.7	1567.3	1407.7	1343.2	1307.4	1335.1	1371.9	1480.3	1595.9	1608.2
52.5°	1741.2	1740.1	1732.0	1583.6	1498.7	1471.1	1494.6	1530.4	1636.8	1761.6	1772.9
55°	1922.2	1927.3	1922.2	1797.4	1695.1	1681.8	1692.1	1715.6	1819.9	1939.6	1946.8
57.5°	2120.7	2123.7	2142.2	2056.2	1943.7	1922.2	1928.4	1944.7	2026.6	2124.8	2131.9
60°	2332.4	2340.6	2376.4	2314.0	2219.9	2222.0	2203.5	2160.6	2248.5	2318.1	2317.1
62.5°	2545.2	2554.4	2621.9	2570.8	2502.2	2540.1	2487.9	2379.5	2480.8	2528.8	2519.6
65°	2778.4	2800.9	2880.8	2861.3	2760.0	2841.9	2761.0	2615.8	2753.9	2757.0	2757.0
67.5°	3070.1	3091.6	3173.4	3137.6	2987.2	3081.3	2988.2	2855.2	2994.4	2978.0	2986.2
70°	3388.2	3409.7	3473.1	3353.4	3188.7	3268.5	3166.2	3032.2	3232.7	3261.4	3254.2
72°	3461.9	3481.3	3560.1	3467.0	3335.0	3401.5	3252.2	3121.2	3322.7	3341.2	3333.0
72.5°	3439.4	3456.8	3544.7	3467.0	3358.6	3431.2	3264.4	3123.3	3308.4	3321.7	3310.5
75°	2978.0	3009.7	3135.5	3216.4	3321.7	3520.2	3216.4	2939.1	2969.8	2931.0	2883.9
77.5°	1919.2	1887.4	2145.2	2474.6	2850.0	3274.7	2821.4	2322.2	2091.0	1897.7	1812.8
80°	568.8	600.5	829.6	1232.8	1927.3	2456.2	1960.1	1247.1	763.1	534.0	509.4
82.5°	113.5	141.2	206.6	324.3	824.5	1342.2	818.4	369.3	249.6	193.3	179.0
85°	44.0	45.0	90.0	102.3	139.1	272.1	196.4	127.9	121.7	80.8	72.6
87.5°	6.1	8.2	14.3	17.4	16.4	9.2	19.4	13.3	7.2	7.2	5.1
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)