

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: P253766

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253766
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-AF24-70-D-U-5WQ-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7488.7 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

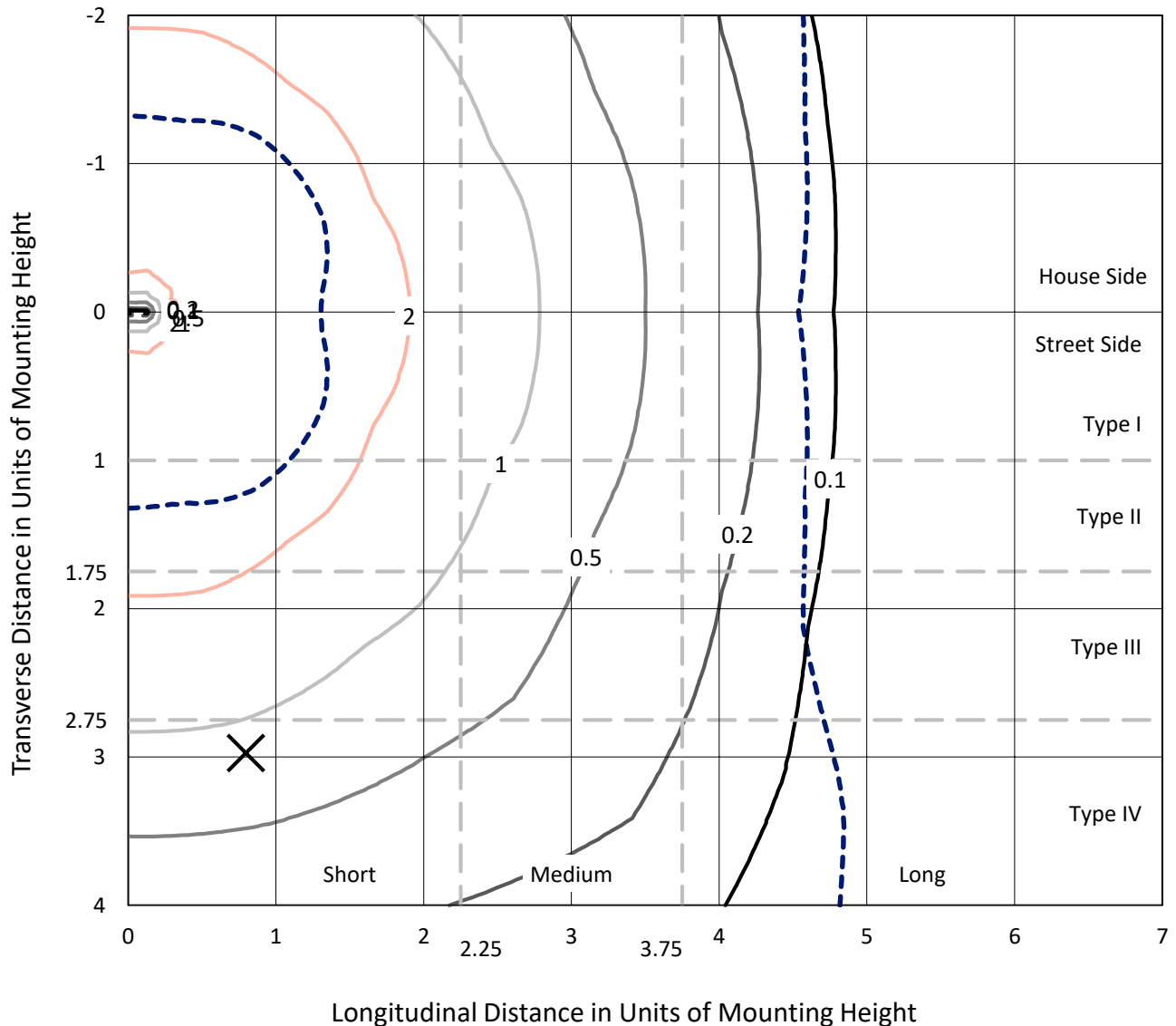
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

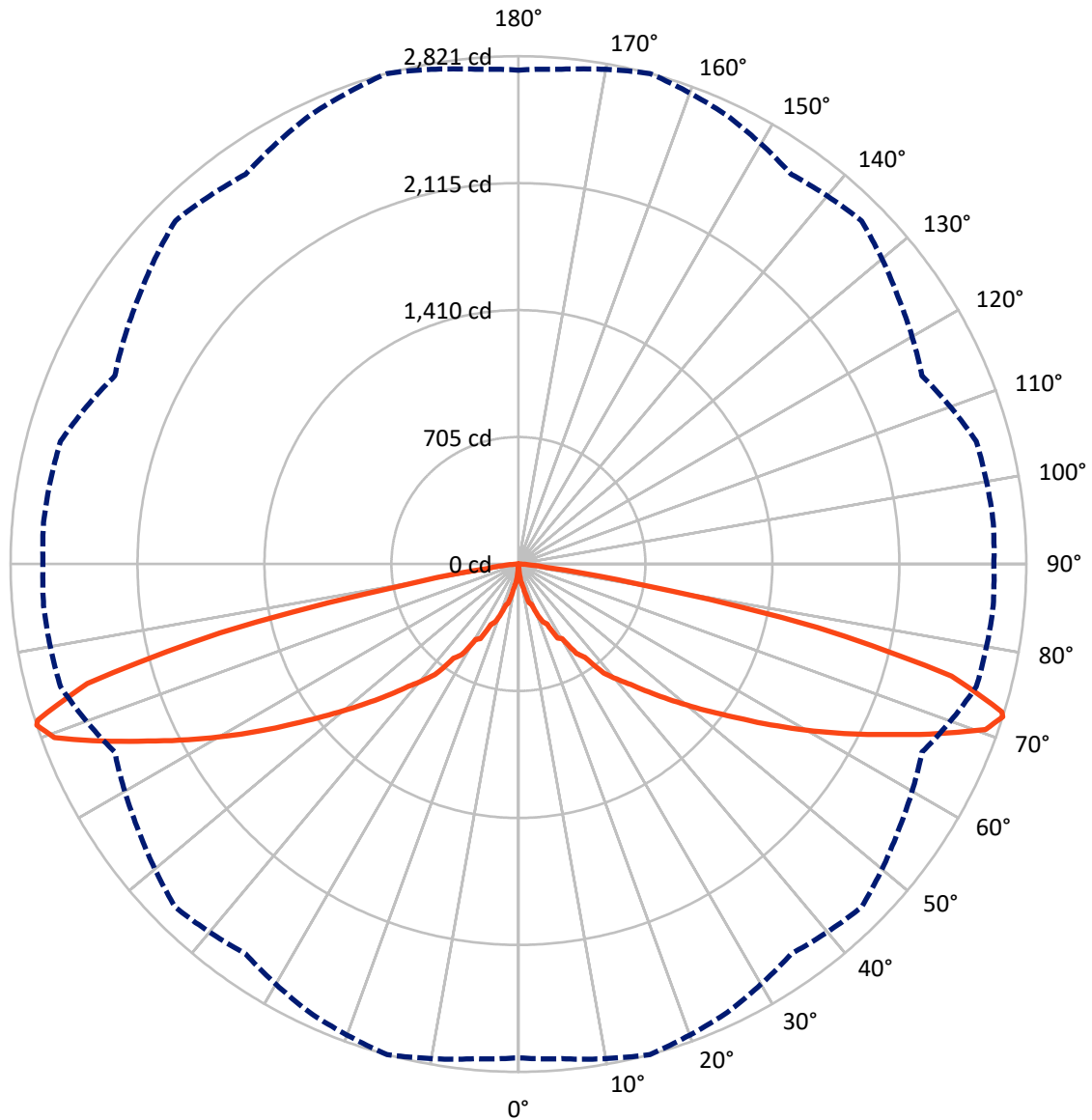


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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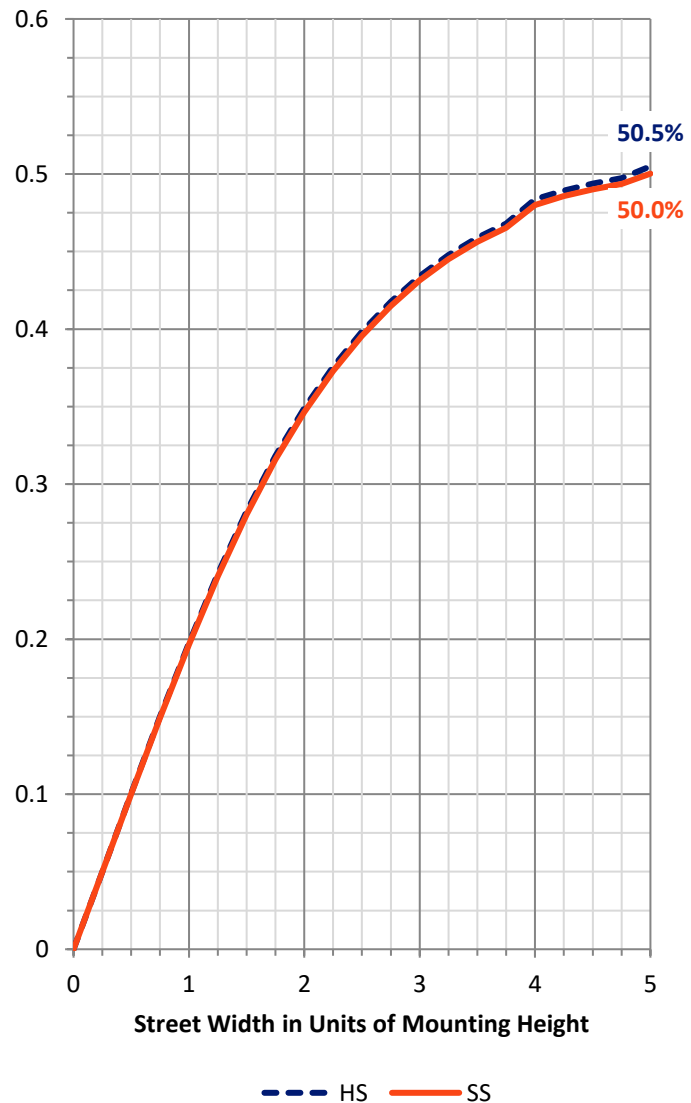
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3744.3	0.0	3744.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3744.3	0.0	3744.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7488.7	0.0	7488.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.0
10°-20°	50.7	0.7
20°-30°	185.9	2.5
30°-40°	410.2	5.5
40°-50°	735.3	9.8
50°-60°	1300.0	17.4
60°-70°	2186.6	29.2
70°-80°	2341.2	31.3
80°-90°	275.1	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°	7488.7	100.0
0°-180°	7488.7	100.0



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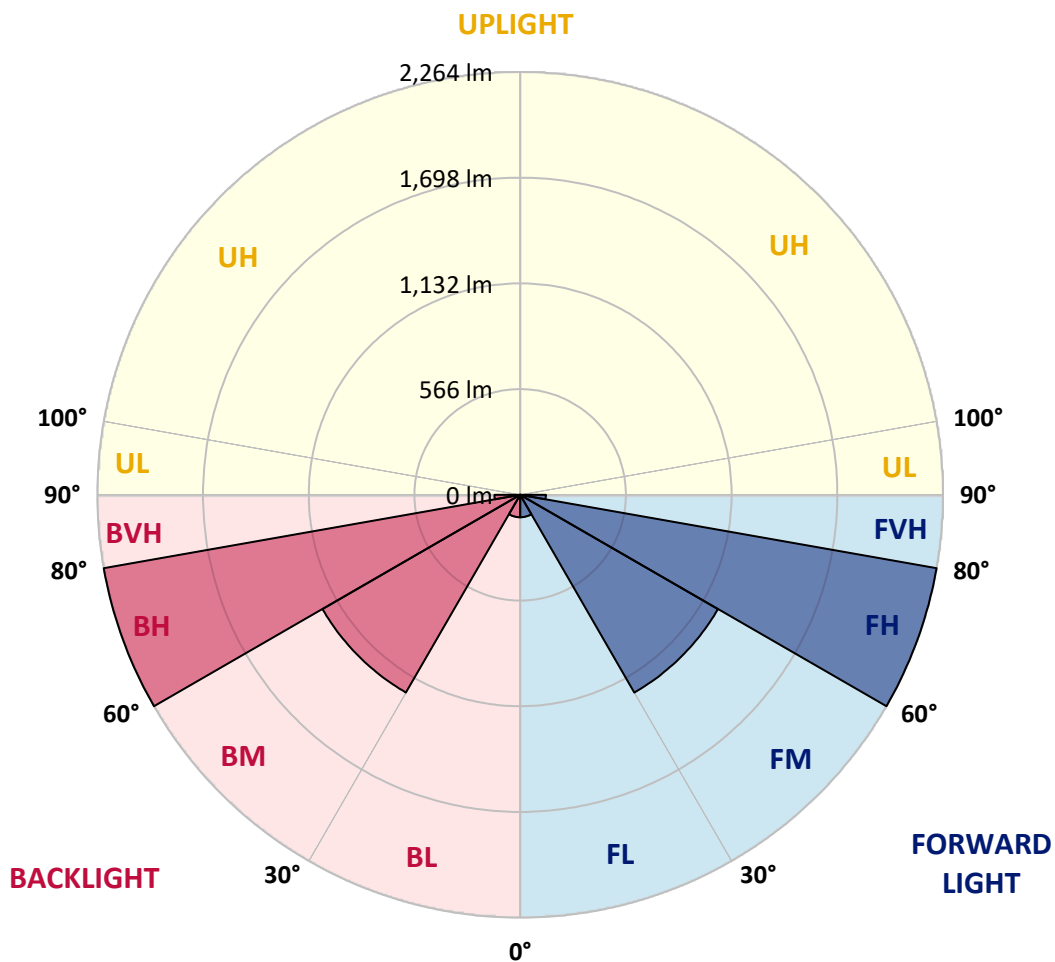
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.1	1.6			
FM (30°-60°)	1222.8	16.3			
FH (60°-80°)	2263.9	30.2			G2/5000
FVH (80°-90°)	137.6	1.8			G2/225
BL (0°-30°)	120.1	1.6	B1/500		
BM (30°-60°)	1222.8	16.3	B2/2500		
BH (60°-80°)	2263.9	30.2	B3/2500		G2/5000
BVH (80°-90°)	137.6	1.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.4	2.4	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
5°	47.0	46.2	34.9	16.2	13.0	5.7	2.4	1.6	1.6	1.6	1.6
7.5°	107.8	105.3	102.9	87.5	67.3	47.8	13.7	3.3	2.4	1.6	1.6
10°	117.6	117.6	116.0	113.5	110.3	99.7	55.9	13.0	5.7	4.9	4.9
12.5°	171.0	170.2	162.1	126.4	115.0	112.6	94.1	50.3	33.3	68.1	81.1
15°	233.4	231.8	224.5	202.6	165.3	122.4	147.5	181.6	157.3	167.8	168.6
17.5°	247.3	244.7	235.9	227.7	213.9	205.9	230.2	221.2	175.1	177.5	178.3
20°	318.5	323.4	297.4	257.0	235.9	308.0	253.7	243.1	287.7	319.4	329.1
22.5°	359.0	357.4	349.3	329.9	343.6	319.4	309.6	348.5	349.3	354.2	355.8
25°	417.4	415.8	368.8	350.9	403.6	349.3	407.6	371.3	381.0	409.2	433.6
27.5°	477.4	474.9	465.2	417.4	416.6	459.6	425.6	458.8	508.2	526.0	535.7
30°	533.3	521.1	480.6	493.7	459.6	483.9	491.1	516.2	528.5	557.7	563.3
32.5°	616.0	613.6	592.5	531.6	543.0	513.1	547.1	544.6	669.4	723.8	741.7
35°	703.5	679.1	635.5	613.6	580.2	605.4	569.8	659.0	699.5	765.2	775.6
37.5°	818.6	816.9	769.1	670.3	641.2	636.2	670.3	691.4	744.8	811.4	820.2
40°	880.2	880.2	839.6	761.9	698.6	693.0	712.5	741.7	799.1	870.5	877.8
42.5°	954.8	954.8	914.3	830.8	792.6	761.9	766.8	801.6	863.1	946.6	956.3
45°	1042.4	1042.4	1013.9	904.5	870.5	836.5	853.5	887.5	959.7	1042.4	1054.5
47.5°	1147.7	1144.4	1121.8	1000.2	965.3	924.8	948.3	984.8	1060.2	1147.7	1156.6
50°	1260.3	1257.9	1241.7	1115.2	1064.1	1035.8	1057.7	1086.9	1172.8	1264.3	1274.1
52.5°	1379.5	1378.7	1372.2	1254.7	1187.4	1165.5	1184.2	1212.6	1296.8	1395.7	1404.6
55°	1523.0	1527.0	1523.0	1424.0	1343.1	1332.4	1340.6	1359.1	1441.9	1536.7	1542.4
57.5°	1680.2	1682.6	1697.3	1629.0	1539.9	1523.0	1527.8	1540.8	1605.6	1683.3	1689.0
60°	1847.9	1854.4	1882.7	1833.4	1758.7	1760.3	1745.9	1711.8	1781.5	1836.6	1835.8
62.5°	2016.5	2023.8	2077.3	2036.8	1982.5	2012.4	1971.1	1885.3	1965.5	2003.6	1996.2
65°	2201.3	2219.2	2282.4	2267.0	2186.8	2251.7	2187.6	2072.4	2181.9	2184.3	2184.3
67.5°	2432.3	2449.4	2514.2	2485.7	2366.7	2441.2	2367.4	2262.1	2372.3	2359.4	2365.9
70°	2684.4	2701.4	2751.7	2656.8	2526.3	2589.6	2508.5	2402.3	2561.1	2583.9	2578.2
72°	2742.7	2758.1	2820.5	2746.8	2642.2	2694.9	2576.6	2472.9	2632.5	2647.2	2640.6
72.5°	2724.9	2738.7	2808.4	2746.8	2660.9	2718.4	2586.2	2474.5	2621.1	2631.7	2622.8
75°	2359.4	2384.5	2484.2	2548.3	2631.7	2789.0	2548.3	2328.6	2352.9	2322.1	2284.8
77.5°	1520.5	1495.3	1699.6	1960.5	2258.1	2594.4	2235.3	1839.8	1656.7	1503.5	1436.2
80°	450.5	475.8	657.3	976.7	1527.0	1946.0	1552.9	988.0	604.6	423.1	403.6
82.5°	89.9	111.9	163.7	257.0	653.3	1063.4	648.5	292.6	197.8	153.2	141.8
85°	34.9	35.6	71.3	81.1	110.3	215.6	155.5	101.3	96.4	64.0	57.6
87.5°	4.9	6.4	11.4	13.7	13.0	7.3	15.4	10.5	5.7	5.7	4.1
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)