

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: P416325

Luminaire Tested: **LXF.LXT-PA1-70-740-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416325
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-PA1-70-740-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8912 lumens
Efficiency: N/A
Efficacy: 120.4 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

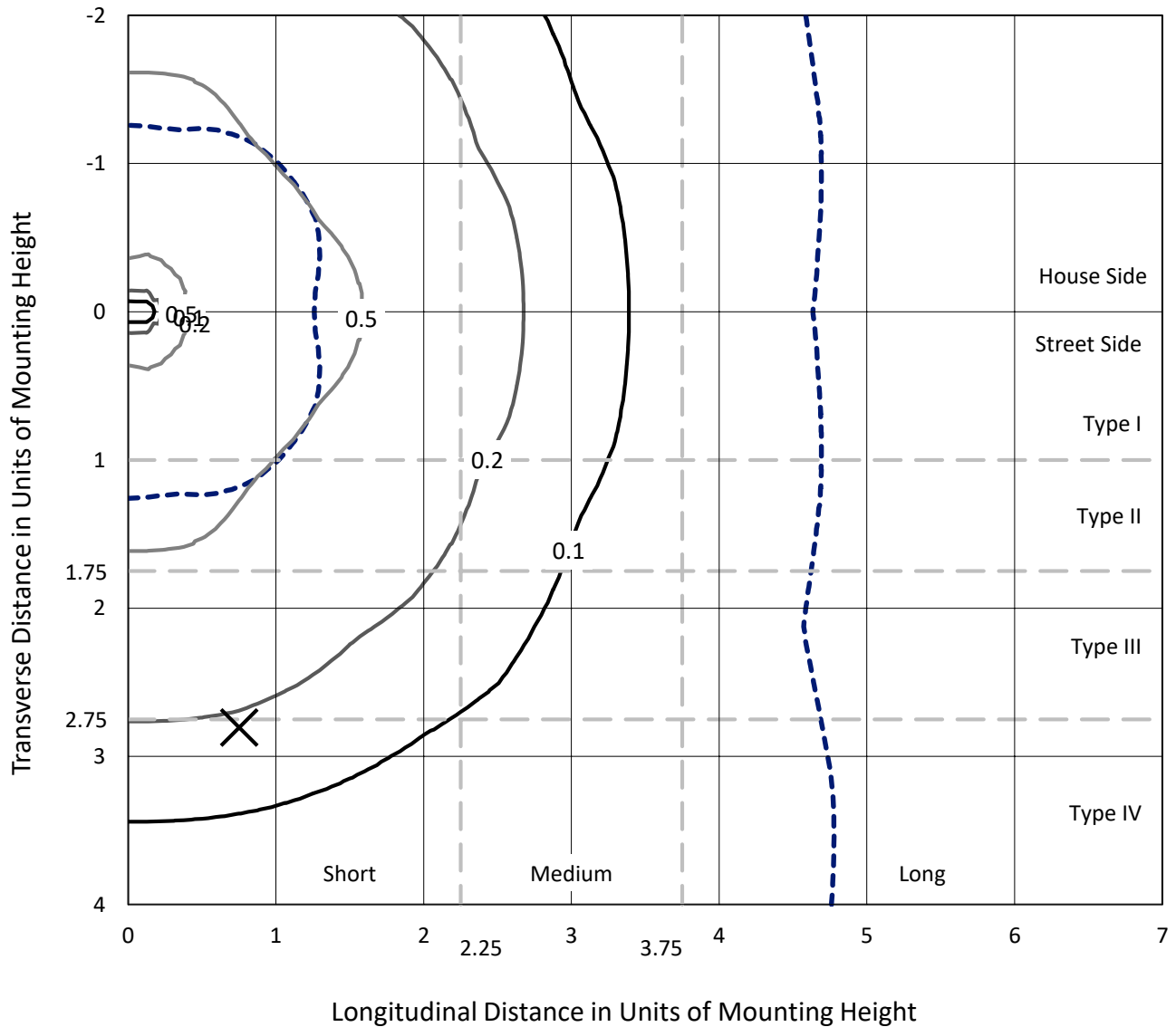
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

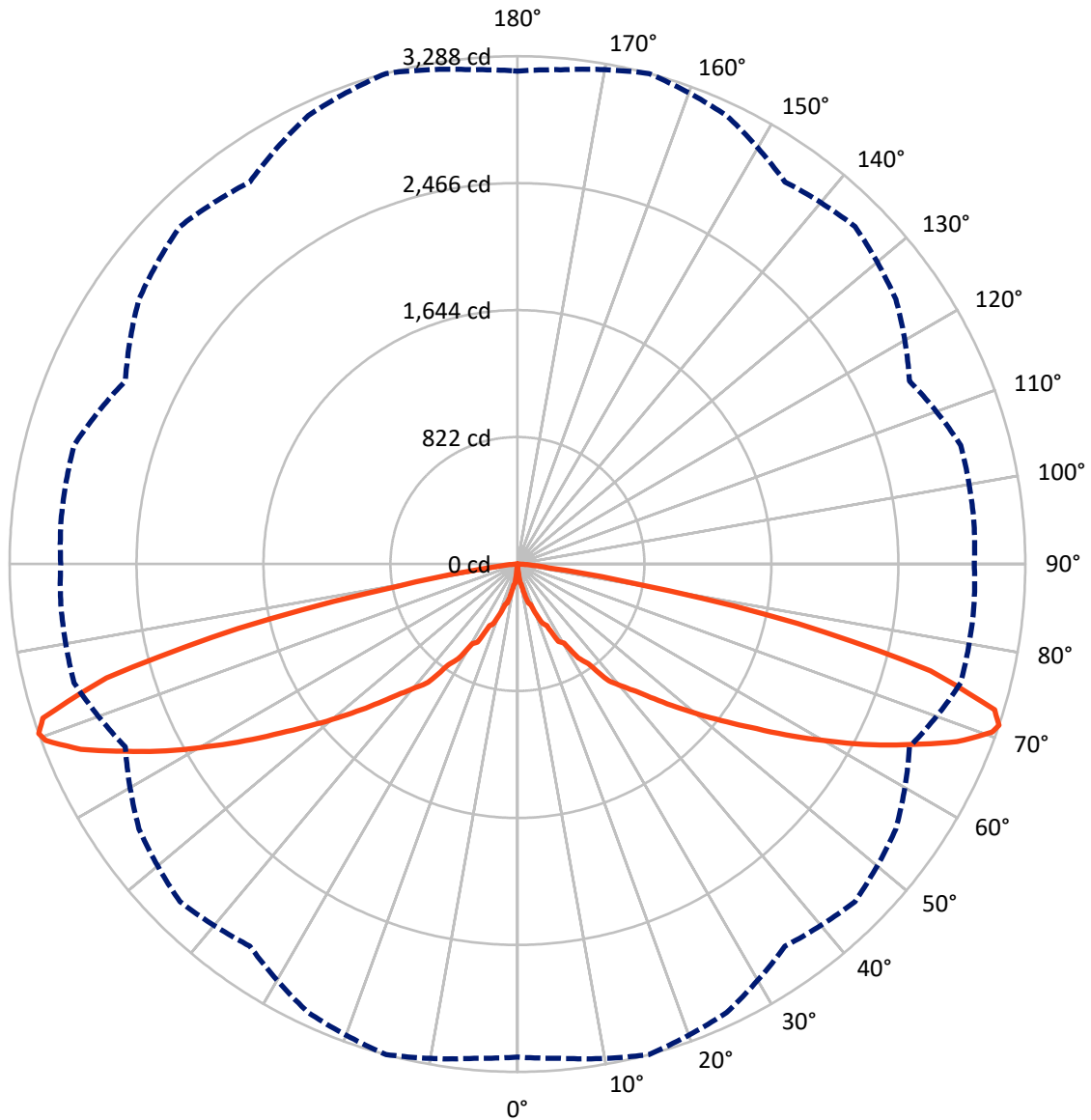
× Max cd
 - - - 1/2 Max cd



Based on 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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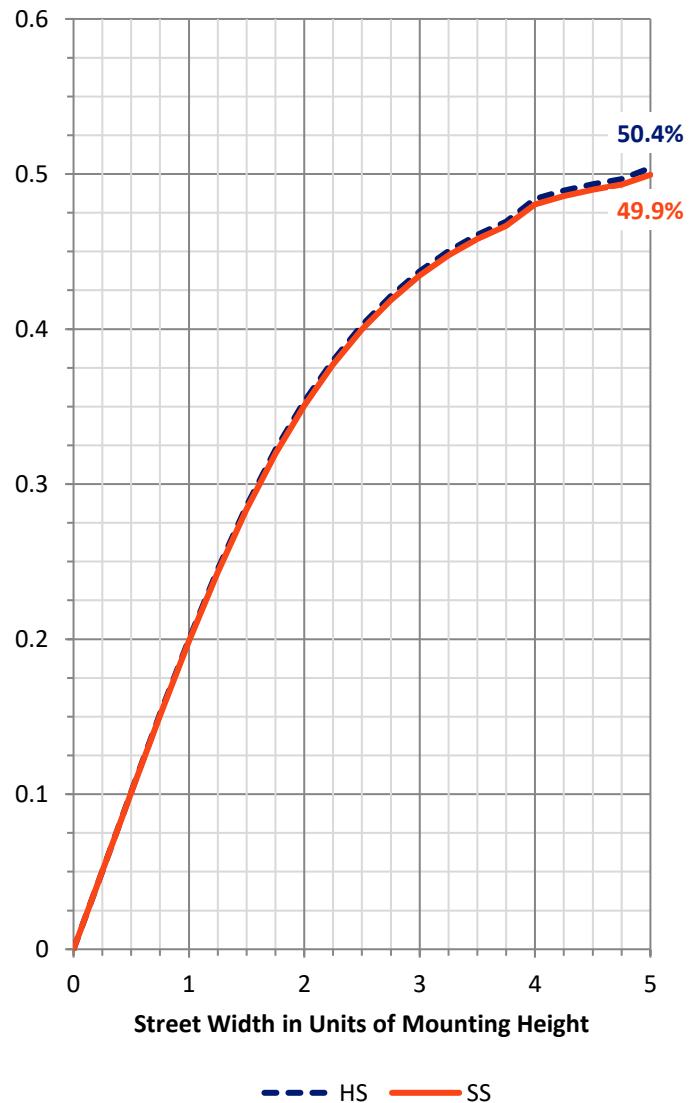
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4456.0	0.0	4456.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4456.0	0.0	4456.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8912.0	0.0	8912.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.0
10°-20°	59.1	0.7
20°-30°	223.2	2.5
30°-40°	505.6	5.7
40°-50°	903.4	10.1
50°-60°	1589.9	17.8
60°-70°	2630.1	29.5
70°-80°	2659.8	29.8
80°-90°	337.0	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°	8912.0	100.0
0°-180°	8912.0	100.0



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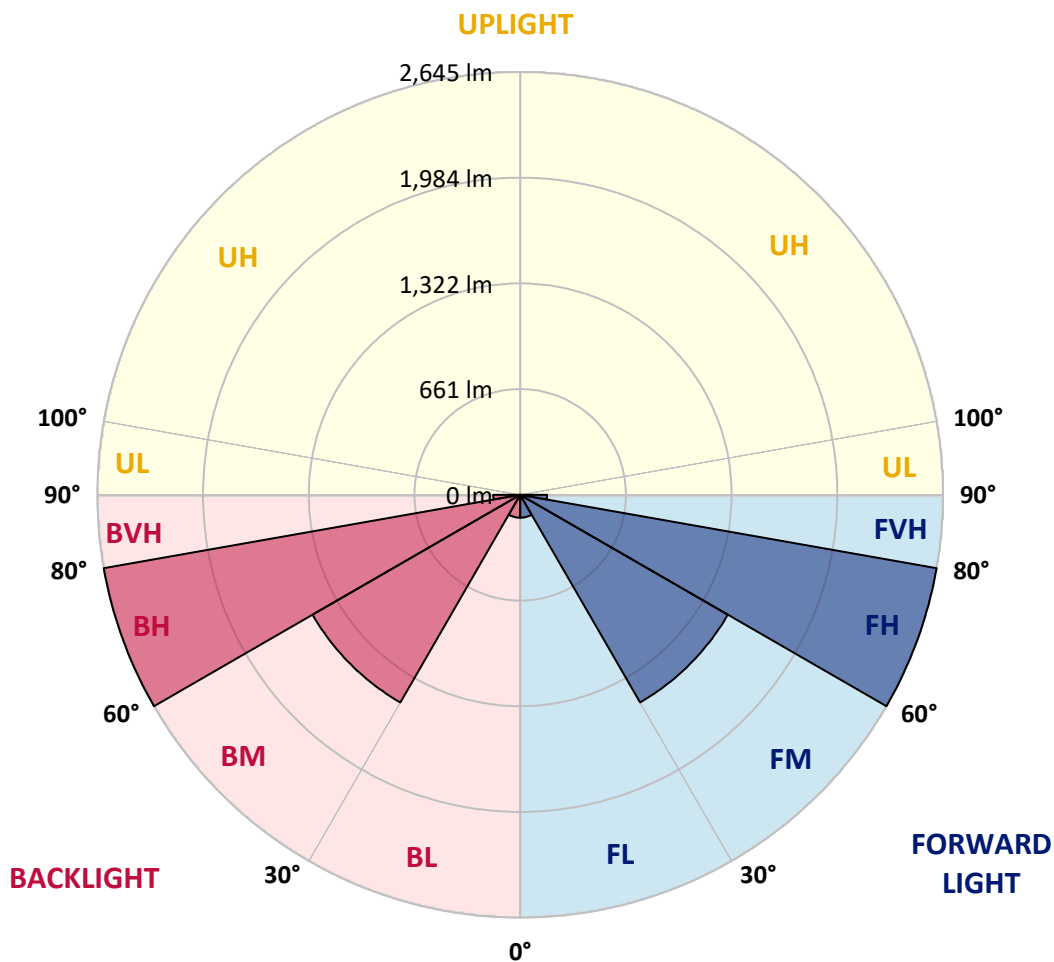
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.1	1.6			
FM	(30°-60°)	1499.4	16.8			
FH	(60°-80°)	2644.9	29.7			G2/5000
FVH	(80°-90°)	168.5	1.9			G2/225
BL	(0°-30°)	143.1	1.6	B1/500		
BM	(30°-60°)	1499.4	16.8	B2/2500		
BH	(60°-80°)	2644.9	29.7	B4/5000		G2/5000
BVH	(80°-90°)	168.5	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°	54.9	39.3	19.2	15.6	11.0	3.7	1.8	1.8	1.8	0.9	0.9
7.5°	123.5	122.6	120.8	105.2	74.1	54.9	11.9	2.7	1.8	1.8	1.8
10°	137.2	136.3	135.4	132.7	129.0	117.1	61.3	11.9	4.6	5.5	5.5
12.5°	197.6	196.7	188.5	146.4	133.6	130.8	110.7	56.7	48.5	91.5	97.0
15°	269.9	269.0	259.8	223.2	191.2	140.9	183.0	203.1	181.1	200.4	200.4
17.5°	286.4	283.6	274.5	265.3	252.5	245.2	269.9	259.8	201.3	215.0	215.0
20°	385.2	366.0	347.7	295.5	273.6	358.6	290.9	283.6	318.4	376.0	386.1
22.5°	427.3	426.3	417.2	393.4	388.8	376.0	362.3	412.6	420.8	428.2	430.9
25°	503.2	497.7	441.0	421.8	483.1	411.7	488.5	446.5	461.1	528.8	536.1
27.5°	581.0	579.1	567.2	505.9	505.9	547.1	514.2	539.8	614.8	641.3	651.4
30°	649.6	614.8	592.8	602.9	560.8	586.4	588.3	632.2	650.5	684.3	693.5
32.5°	763.0	760.3	724.6	656.9	658.7	621.2	672.4	668.8	817.9	894.8	914.9
35°	846.3	852.7	792.3	765.8	703.5	740.1	719.1	813.3	861.8	949.6	962.5
37.5°	1010.0	1009.1	959.7	828.0	783.1	782.2	820.7	855.4	928.6	1009.1	1017.4
40°	1080.5	1078.6	1037.5	959.7	844.4	852.7	874.6	906.6	988.1	1079.6	1084.1
42.5°	1178.4	1169.2	1127.1	1023.8	961.5	945.1	950.6	989.9	1067.7	1176.5	1172.0
45°	1277.2	1279.9	1243.3	1125.3	1064.0	1030.2	1040.2	1092.4	1179.3	1287.2	1286.3
47.5°	1397.0	1400.7	1383.3	1236.0	1182.0	1135.4	1154.6	1206.7	1301.9	1407.1	1405.3
50°	1545.2	1544.3	1532.4	1371.4	1315.6	1269.9	1284.5	1328.4	1429.0	1533.3	1544.3
52.5°	1696.2	1699.9	1698.0	1535.2	1473.9	1430.0	1443.7	1484.9	1582.7	1687.0	1696.2
55°	1866.4	1883.7	1881.9	1746.5	1650.4	1638.6	1646.8	1655.9	1763.9	1865.4	1867.3
57.5°	2076.8	2085.0	2101.5	1985.3	1877.3	1870.9	1855.4	1851.7	1957.8	2042.0	2029.2
60°	2295.4	2303.7	2330.2	2255.2	2136.3	2149.1	2097.8	2042.0	2143.6	2211.3	2204.0
62.5°	2505.0	2524.2	2576.3	2515.9	2406.1	2445.5	2347.6	2253.4	2347.6	2403.4	2392.4
65°	2730.0	2753.8	2815.1	2791.3	2634.9	2718.1	2613.8	2456.5	2584.5	2612.0	2613.8
67.5°	2977.9	2997.2	3070.3	3027.3	2833.4	2923.1	2837.1	2655.9	2796.8	2786.7	2776.7
70°	3169.2	3192.9	3260.6	3171.0	2977.9	3053.0	2967.9	2782.2	2945.9	2951.4	2943.2
71°	3192.0	3212.2	3288.1	3203.9	3020.0	3090.5	2990.8	2801.4	2971.5	2967.9	2957.8
72.5°	3116.1	3140.8	3230.5	3176.5	3053.0	3137.1	2989.8	2770.3	2934.9	2901.1	2887.4
75°	2639.4	2652.2	2762.0	2860.8	2934.0	3117.0	2823.3	2526.0	2635.8	2583.6	2577.2
77.5°	1603.8	1636.7	1856.3	2159.1	2512.3	2805.9	2456.5	2042.9	1999.9	1845.3	1784.9
80°	553.5	611.1	785.0	1104.3	1689.8	2168.3	1731.9	1248.8	934.1	703.5	650.5
82.5°	92.4	134.5	204.0	345.8	759.4	1232.3	855.4	412.6	268.1	187.6	181.1
85°	31.1	36.6	77.8	96.1	177.5	339.4	199.4	114.4	98.8	63.1	58.6
87.5°	4.6	6.4	10.1	11.0	15.6	9.1	16.5	17.4	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)