

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: P416221

Luminaire Tested: **LXF.LXT-PA1-70-727-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416221  
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-PA1-70-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 7453 lumens  
Efficiency: N/A  
Efficacy: 100.7 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

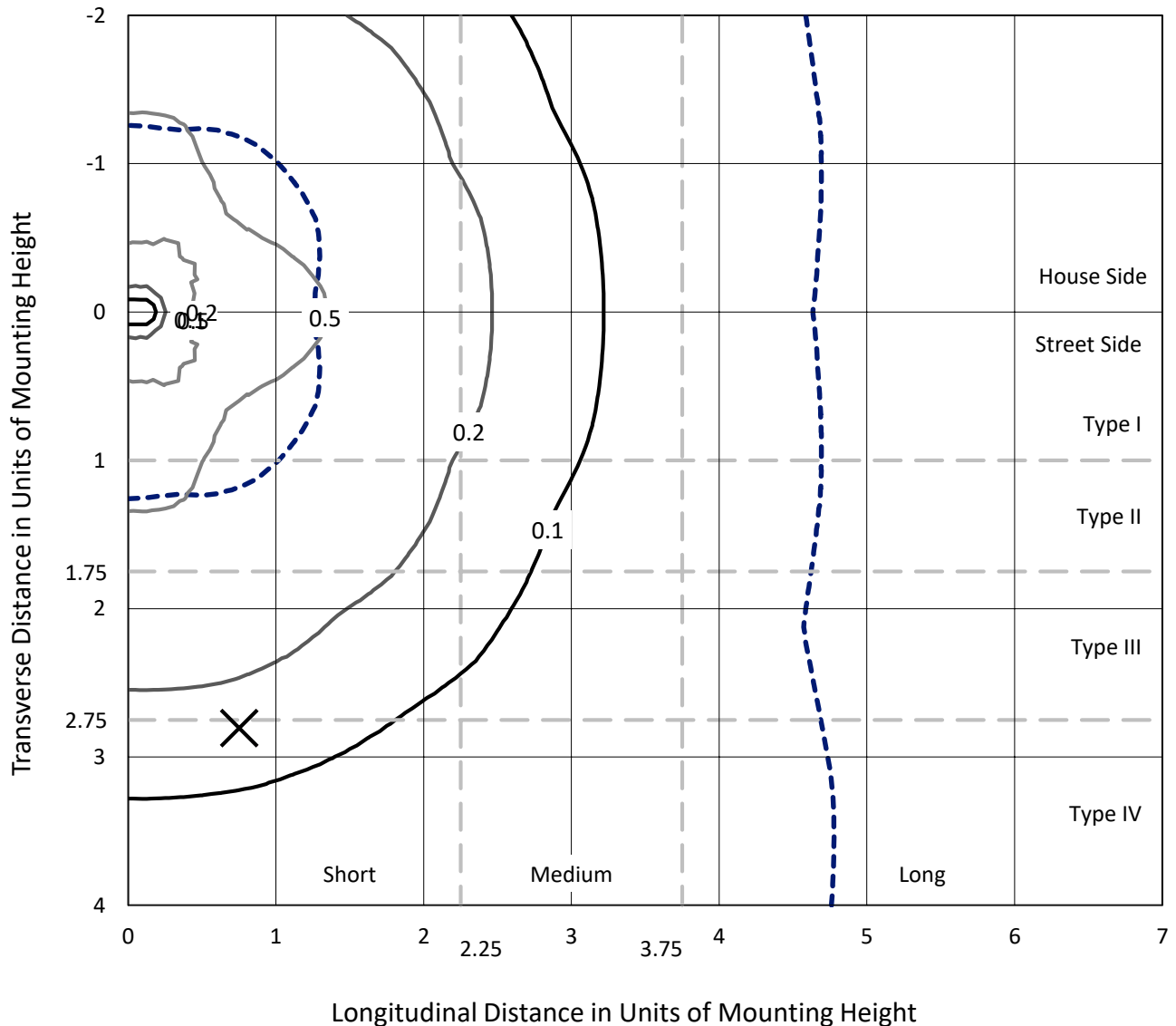
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

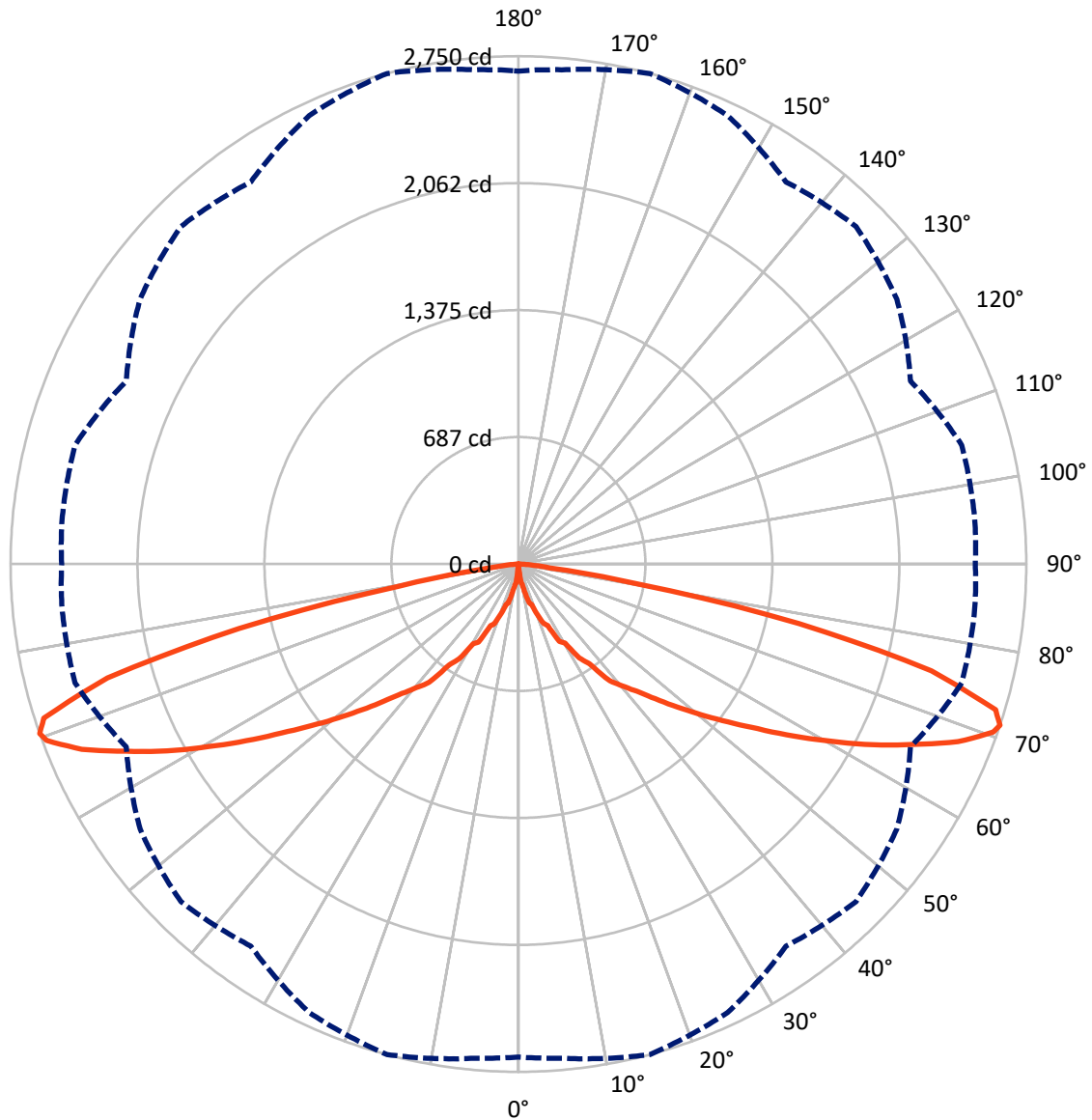
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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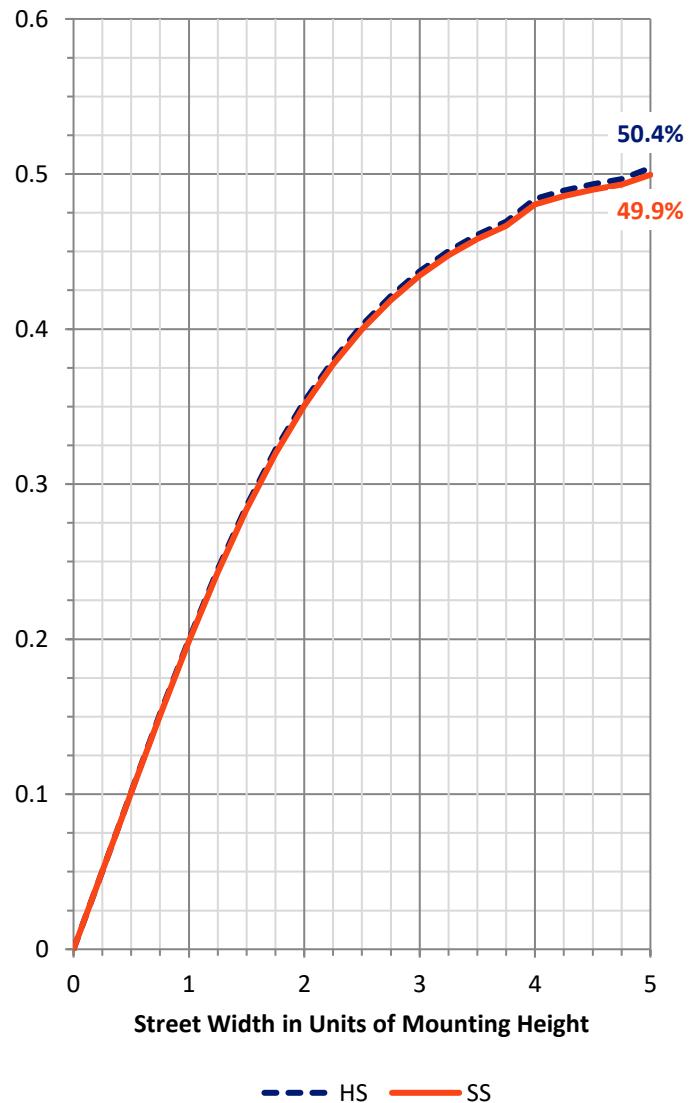
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3726.5	0.0	3726.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3726.5	0.0	3726.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7453.0	0.0	7453.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	49.4	0.7
20°-30°	186.7	2.5
30°-40°	422.8	5.7
40°-50°	755.5	10.1
50°-60°	1329.6	17.8
60°-70°	2199.5	29.5
70°-80°	2224.3	29.8
80°-90°	281.8	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°	7453.0	100.0
0°-180°	7453.0	100.0



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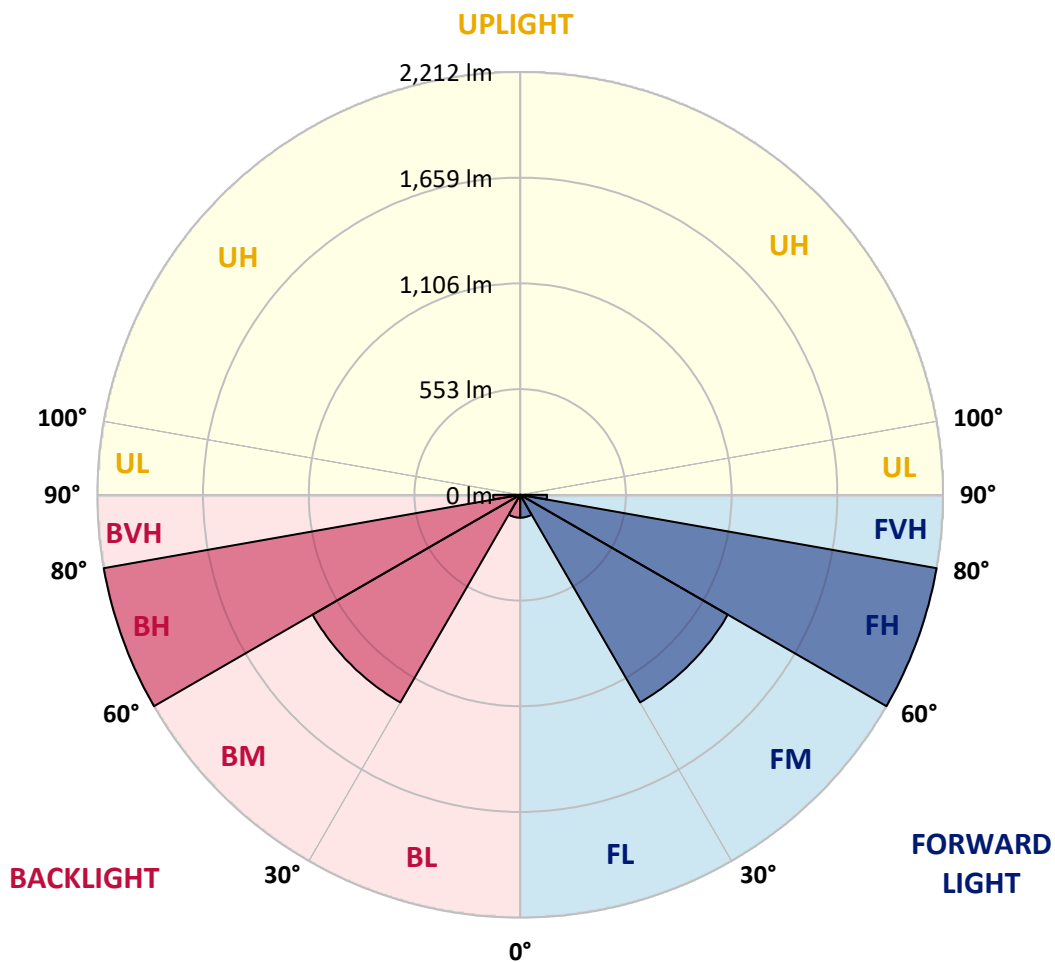
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.7	1.6			
FM (30°-60°)	1254.0	16.8			
FH (60°-80°)	2211.9	29.7			G2/5000
FVH (80°-90°)	140.9	1.9			G2/225
BL (0°-30°)	119.7	1.6	B1/500		
BM (30°-60°)	1254.0	16.8	B2/2500		
BH (60°-80°)	2211.9	29.7	B3/2500		G2/5000
BVH (80°-90°)	140.9	1.9			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°	2.3	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
5°	45.9	32.9	16.1	13.0	9.2	3.1	1.5	1.5	1.5	0.8	0.8
7.5°	103.3	102.5	101.0	88.0	62.0	45.9	9.9	2.3	1.5	1.5	1.5
10°	114.8	114.0	113.2	110.9	107.9	97.9	51.3	9.9	3.8	4.6	4.6
12.5°	165.3	164.5	157.6	122.4	111.7	109.4	92.6	47.4	40.6	76.5	81.1
15°	225.7	224.9	217.3	186.7	159.9	117.8	153.0	169.9	151.5	167.6	167.6
17.5°	239.5	237.2	229.5	221.9	211.2	205.0	225.7	217.3	168.3	179.8	179.8
20°	322.1	306.0	290.7	247.1	228.8	299.9	243.3	237.2	266.3	314.5	322.9
22.5°	357.3	356.5	348.9	329.0	325.2	314.5	303.0	345.1	351.9	358.1	360.4
25°	420.8	416.2	368.8	352.7	404.0	344.3	408.6	373.4	385.6	442.2	448.4
27.5°	485.8	484.3	474.4	423.1	423.1	457.5	430.0	451.4	514.2	536.3	544.8
30°	543.2	514.2	495.8	504.2	469.0	490.4	492.0	528.7	544.0	572.3	580.0
32.5°	638.1	635.8	606.0	549.3	550.9	519.5	562.4	559.3	684.0	748.3	765.1
35°	707.7	713.1	662.6	640.4	588.4	619.0	601.4	680.2	720.7	794.2	804.9
37.5°	844.7	843.9	802.6	692.4	654.9	654.2	686.3	715.4	776.6	843.9	850.8
40°	903.6	902.1	867.6	802.6	706.2	713.1	731.4	758.2	826.3	902.8	906.7
42.5°	985.5	977.8	942.6	856.2	804.1	790.4	794.9	827.8	892.9	983.9	980.1
45°	1068.1	1070.4	1039.8	941.1	889.8	861.5	869.9	913.5	986.2	1076.5	1075.7
47.5°	1168.3	1171.4	1156.8	1033.7	988.5	949.5	965.6	1009.2	1088.7	1176.7	1175.2
50°	1292.3	1291.5	1281.6	1146.9	1100.2	1062.0	1074.2	1110.9	1195.1	1282.3	1291.5
52.5°	1418.5	1421.6	1420.0	1283.8	1232.6	1195.9	1207.3	1241.8	1323.6	1410.9	1418.5
55°	1560.8	1575.4	1573.8	1460.6	1380.3	1370.3	1377.2	1384.8	1475.1	1560.1	1561.6
57.5°	1736.8	1743.7	1757.4	1660.3	1570.0	1564.6	1551.6	1548.6	1637.3	1707.7	1697.0
60°	1919.7	1926.5	1948.7	1886.0	1786.5	1797.2	1754.4	1707.7	1792.6	1849.3	1843.1
62.5°	2094.9	2110.9	2154.5	2104.0	2012.2	2045.1	1963.3	1884.5	1963.3	2009.9	2000.8
65°	2283.1	2303.0	2354.2	2334.3	2203.5	2273.1	2185.9	2054.3	2161.4	2184.4	2185.9
67.5°	2490.4	2506.5	2567.7	2531.7	2369.5	2444.5	2372.6	2221.1	2338.9	2330.5	2322.1
70°	2650.3	2670.2	2726.8	2651.9	2490.4	2553.2	2482.0	2326.7	2463.6	2468.2	2461.3
71°	2669.5	2686.3	2749.8	2679.4	2525.6	2584.5	2501.1	2342.8	2485.1	2482.0	2473.6
72.5°	2606.0	2626.6	2701.6	2656.4	2553.2	2623.5	2500.4	2316.7	2454.5	2426.2	2414.7
75°	2207.3	2218.0	2309.9	2392.5	2453.7	2606.7	2361.1	2112.5	2204.3	2160.7	2155.3
77.5°	1341.2	1368.8	1552.4	1805.7	2101.0	2346.6	2054.3	1708.5	1672.5	1543.2	1492.7
80°	462.9	511.1	656.5	923.5	1413.2	1813.3	1448.3	1044.4	781.2	588.4	544.0
82.5°	77.3	112.5	170.6	289.2	635.0	1030.6	715.4	345.1	224.2	156.8	151.5
85°	26.0	30.6	65.0	80.3	148.4	283.9	166.8	95.6	82.6	52.8	49.0
87.5°	3.8	5.4	8.4	9.2	13.0	7.7	13.8	14.5	11.5	7.7	4.6
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)