

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: P417053

Luminaire Tested: **LXF.LXT-PA1-90-727-U-5WQ**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417053  
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-PA1-90-727-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8783 lumens  
Efficiency: N/A  
Efficacy: 93.4 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

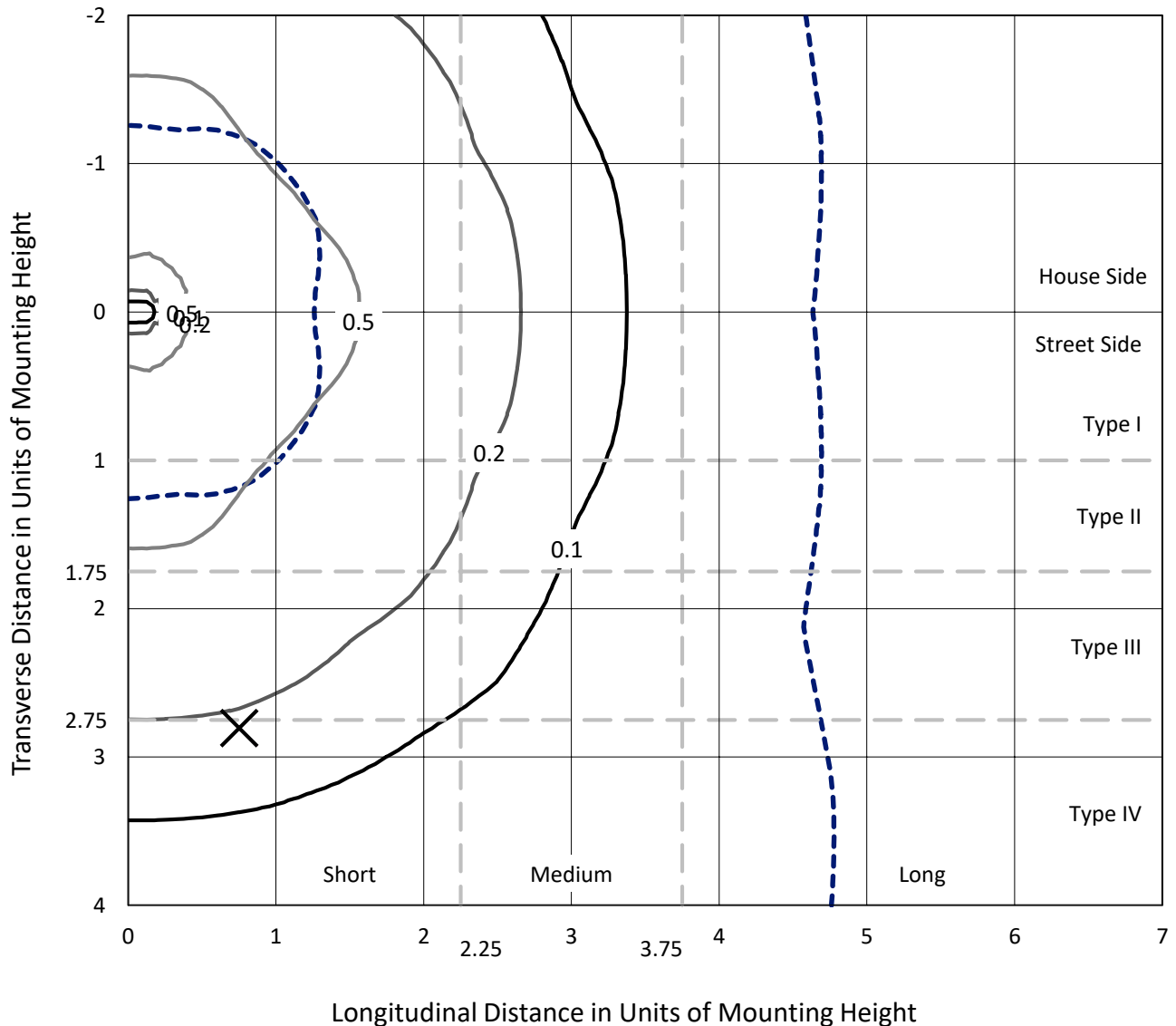
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

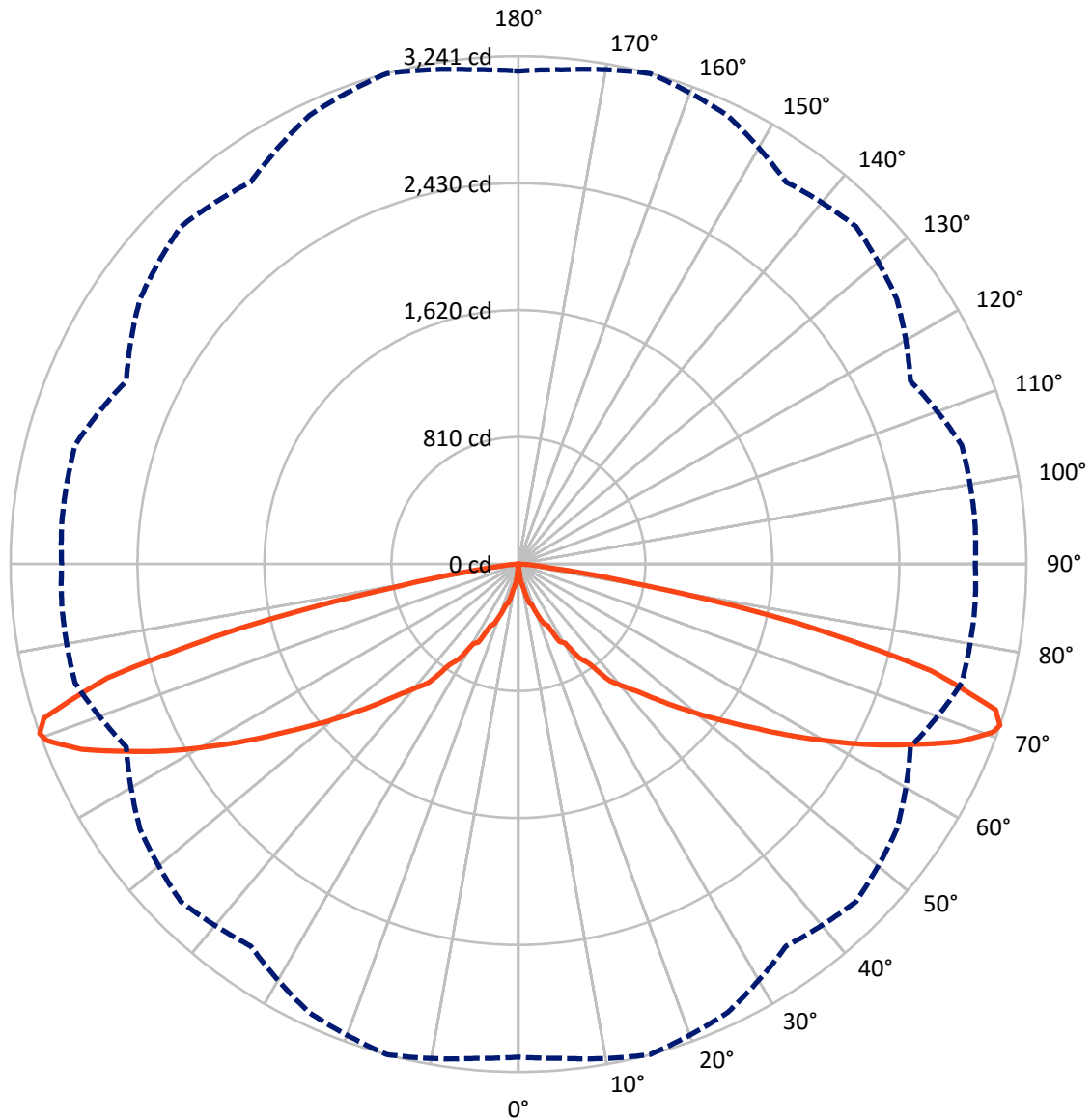
× Max cd  
 - - - 1/2 Max cd



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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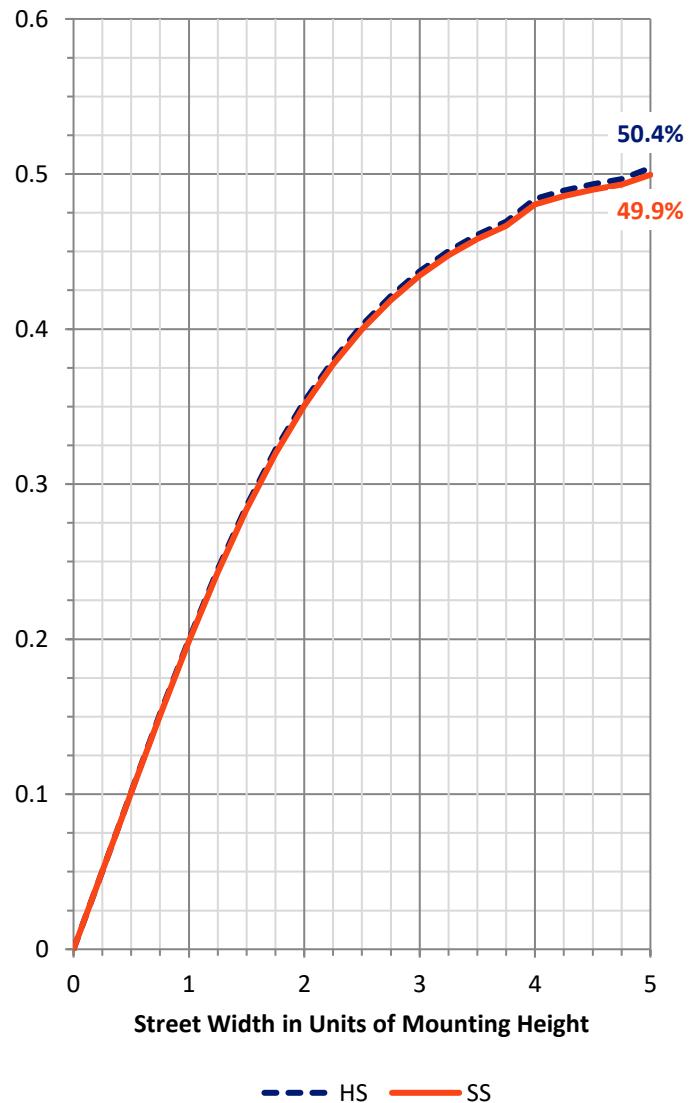
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4391.5	0.0	4391.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4391.5	0.0	4391.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8783.0	0.0	8783.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.0
10°-20°	58.3	0.7
20°-30°	220.0	2.5
30°-40°	498.2	5.7
40°-50°	890.3	10.1
50°-60°	1566.9	17.8
60°-70°	2592.0	29.5
70°-80°	2621.3	29.8
80°-90°	332.1	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°	8783.0	100.0
0°-180°	8783.0	100.0



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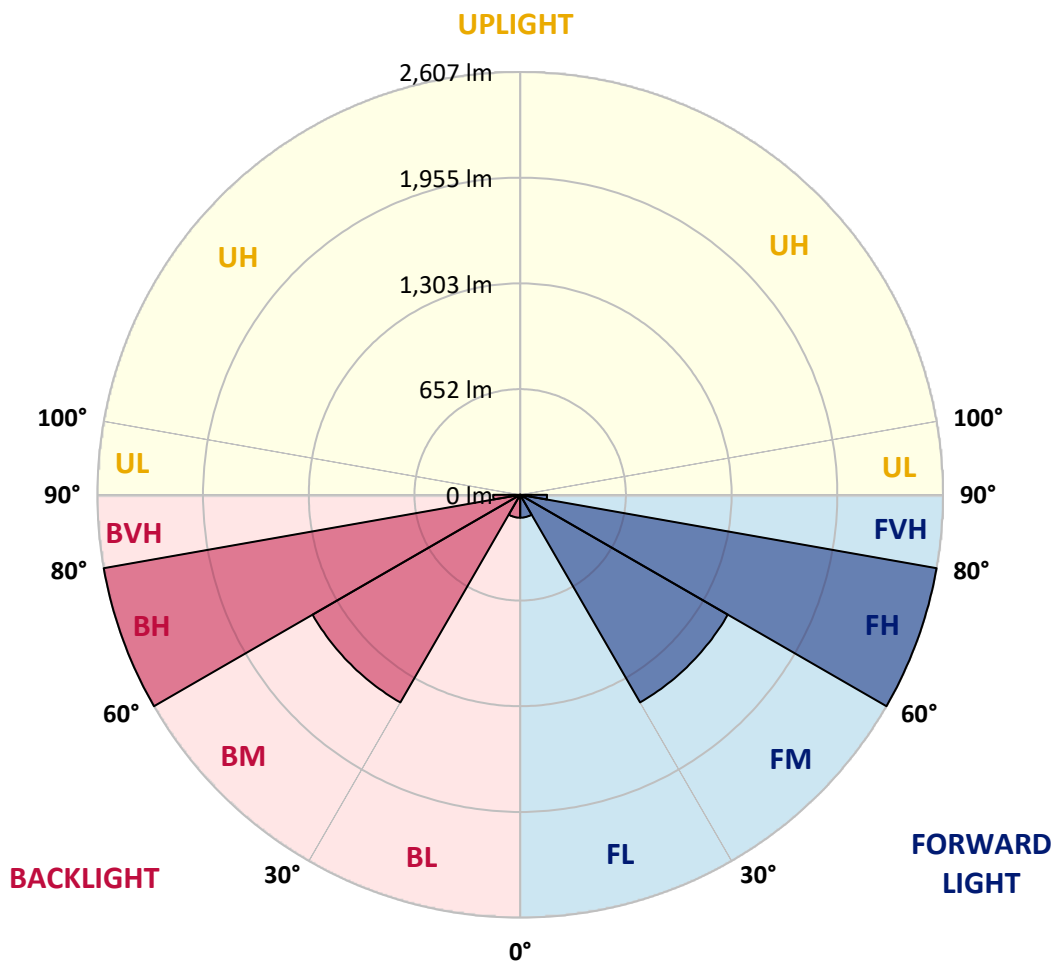
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.1	1.6			
FM	(30°-60°)	1477.7	16.8			
FH	(60°-80°)	2606.7	29.7			G2/5000
FVH	(80°-90°)	166.0	1.9			G2/225
BL	(0°-30°)	141.1	1.6	B1/500		
BM	(30°-60°)	1477.7	16.8	B2/2500		
BH	(60°-80°)	2606.7	29.7	B4/5000		G2/5000
BVH	(80°-90°)	166.0	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°	54.1	38.8	18.9	15.3	10.8	3.6	1.8	1.8	1.8	0.9	0.9
7.5°	121.7	120.8	119.0	103.7	73.0	54.1	11.7	2.7	1.8	1.8	1.8
10°	135.2	134.3	133.4	130.7	127.1	115.4	60.4	11.7	4.5	5.4	5.4
12.5°	194.8	193.9	185.7	144.3	131.6	128.9	109.1	55.9	47.8	90.2	95.6
15°	266.0	265.1	256.1	220.0	188.4	138.9	180.3	200.2	178.5	197.5	197.5
17.5°	282.2	279.5	270.5	261.5	248.9	241.6	266.0	256.1	198.4	211.9	211.9
20°	379.6	360.7	342.6	291.2	269.6	353.4	286.7	279.5	313.8	370.6	380.5
22.5°	421.1	420.2	411.1	387.7	383.2	370.6	357.0	406.6	414.8	422.0	424.7
25°	495.9	490.5	434.6	415.7	476.1	405.7	481.5	440.0	454.4	521.1	528.4
27.5°	572.5	570.7	559.0	498.6	498.6	539.2	506.7	532.0	605.9	632.0	642.0
30°	640.2	605.9	584.3	594.2	552.7	578.0	579.8	623.0	641.1	674.4	683.4
32.5°	752.0	749.3	714.1	647.4	649.2	612.2	662.7	659.1	806.1	881.8	901.6
35°	834.0	840.3	780.8	754.7	693.4	729.4	708.7	801.6	849.3	935.9	948.5
37.5°	995.4	994.5	945.8	816.0	771.8	770.9	808.8	843.0	915.2	994.5	1002.6
40°	1064.8	1063.0	1022.5	945.8	832.2	840.3	862.0	893.5	973.8	1063.9	1068.4
42.5°	1161.3	1152.3	1110.8	1008.9	947.6	931.4	936.8	975.6	1052.2	1159.5	1155.0
45°	1258.7	1261.4	1225.3	1109.0	1048.6	1015.2	1025.2	1076.6	1162.2	1268.6	1267.7
47.5°	1376.8	1380.4	1363.3	1218.1	1164.9	1118.9	1137.9	1189.3	1283.0	1386.7	1384.9
50°	1522.9	1522.0	1510.2	1351.6	1296.6	1251.5	1265.9	1309.2	1408.4	1511.1	1522.0
52.5°	1671.6	1675.2	1673.4	1513.0	1452.5	1409.3	1422.8	1463.4	1559.8	1662.6	1671.6
55°	1839.3	1856.5	1854.7	1721.2	1626.6	1614.8	1623.0	1632.0	1738.4	1838.4	1840.2
57.5°	2046.7	2054.8	2071.1	1956.6	1850.2	1843.9	1828.5	1824.9	1929.5	2012.5	1999.8
60°	2262.2	2270.3	2296.5	2222.5	2105.3	2118.0	2067.5	2012.5	2112.5	2179.3	2172.1
62.5°	2468.7	2487.6	2539.0	2479.5	2371.3	2410.1	2313.6	2220.7	2313.6	2368.6	2357.8
65°	2690.5	2713.9	2774.3	2750.9	2596.7	2678.8	2576.0	2420.9	2547.1	2574.2	2576.0
67.5°	2934.8	2953.8	3025.9	2983.5	2792.4	2880.7	2796.0	2617.5	2756.3	2746.4	2736.5
70°	3123.3	3146.7	3213.4	3125.1	2934.8	3008.8	2924.9	2741.9	2903.3	2908.7	2900.6
71°	3145.8	3165.7	3240.5	3157.5	2976.3	3045.7	2947.5	2760.8	2928.5	2924.9	2915.0
72.5°	3071.0	3095.3	3183.7	3130.5	3008.8	3091.7	2946.6	2730.2	2892.5	2859.1	2845.6
75°	2601.2	2613.9	2722.1	2819.4	2891.6	3071.9	2782.5	2489.4	2597.6	2546.2	2539.9
77.5°	1580.6	1613.0	1829.4	2127.9	2475.9	2765.3	2420.9	2013.4	1971.0	1818.6	1759.1
80°	545.5	602.3	773.6	1088.3	1665.3	2136.9	1706.8	1230.7	920.6	693.4	641.1
82.5°	91.1	132.5	201.1	340.8	748.4	1214.5	843.0	406.6	264.2	184.8	178.5
85°	30.7	36.1	76.6	94.7	174.9	334.5	196.6	112.7	97.4	62.2	57.7
87.5°	4.5	6.3	9.9	10.8	15.3	9.0	16.2	17.1	13.5	9.0	5.4
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)