

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: P415441

Luminaire Tested: **LXF.LXT-PA1-50-730-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415441
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-PA1-50-730-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6264 lumens
Efficiency: N/A
Efficacy: 116.0 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

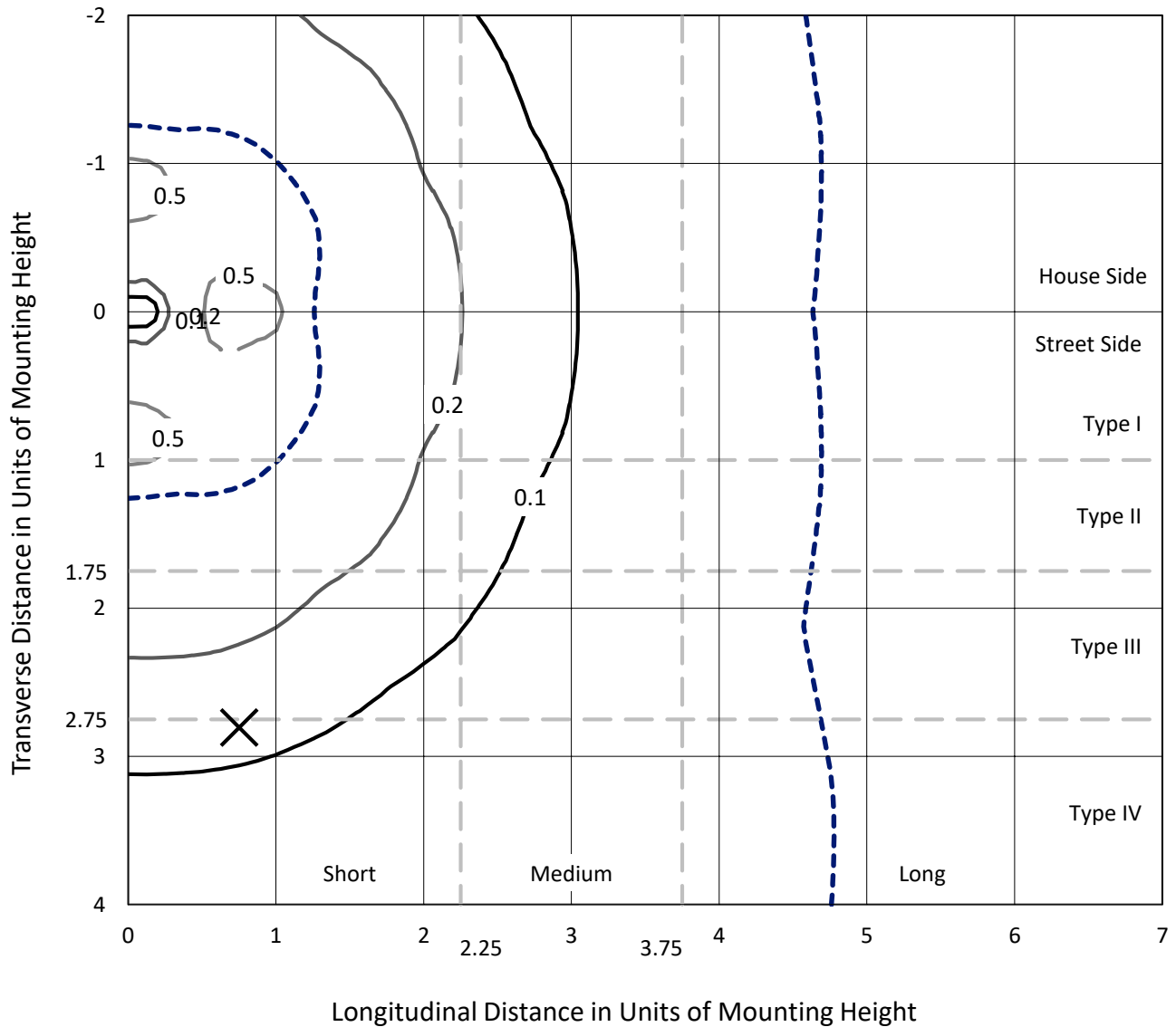
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

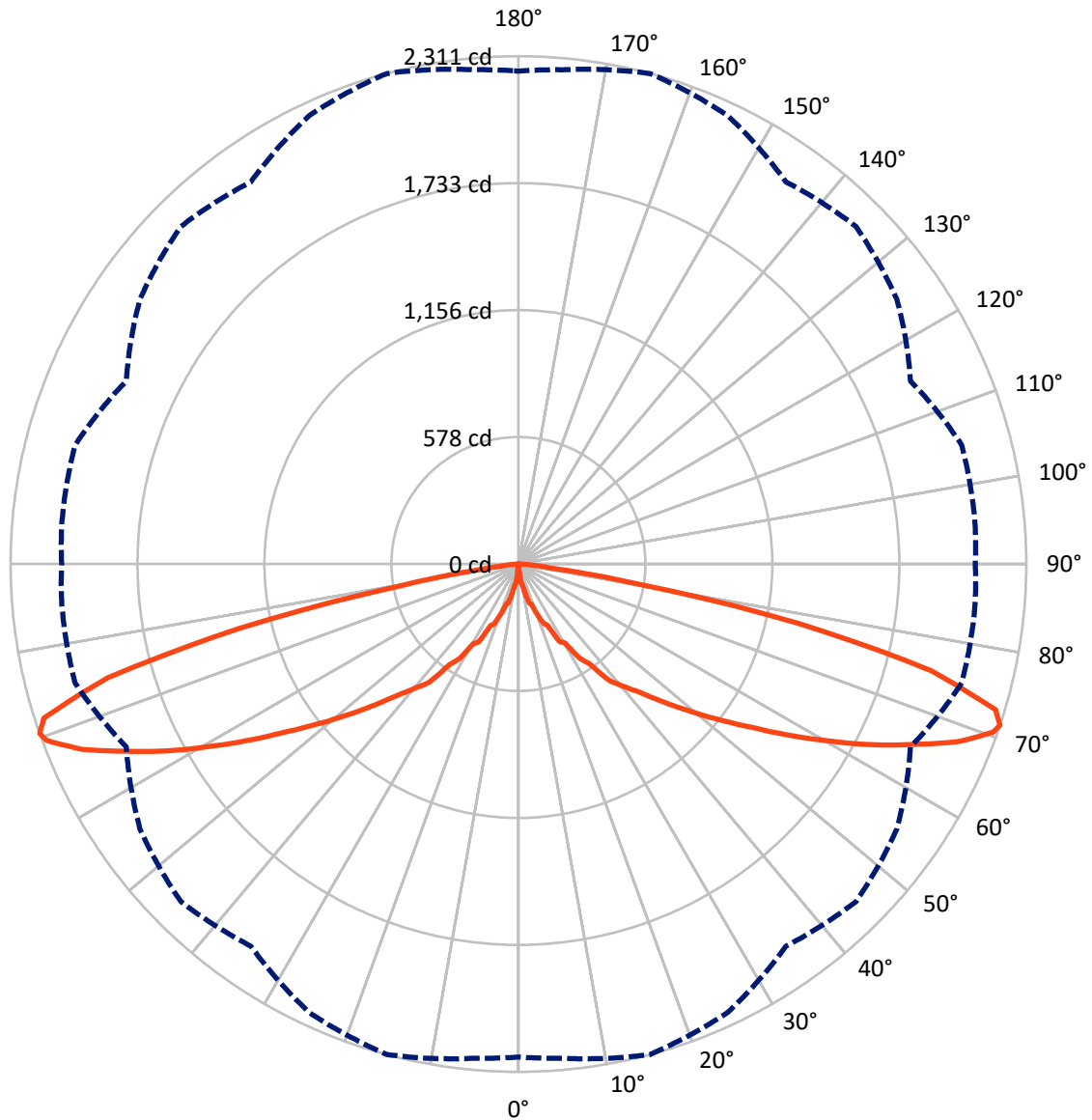
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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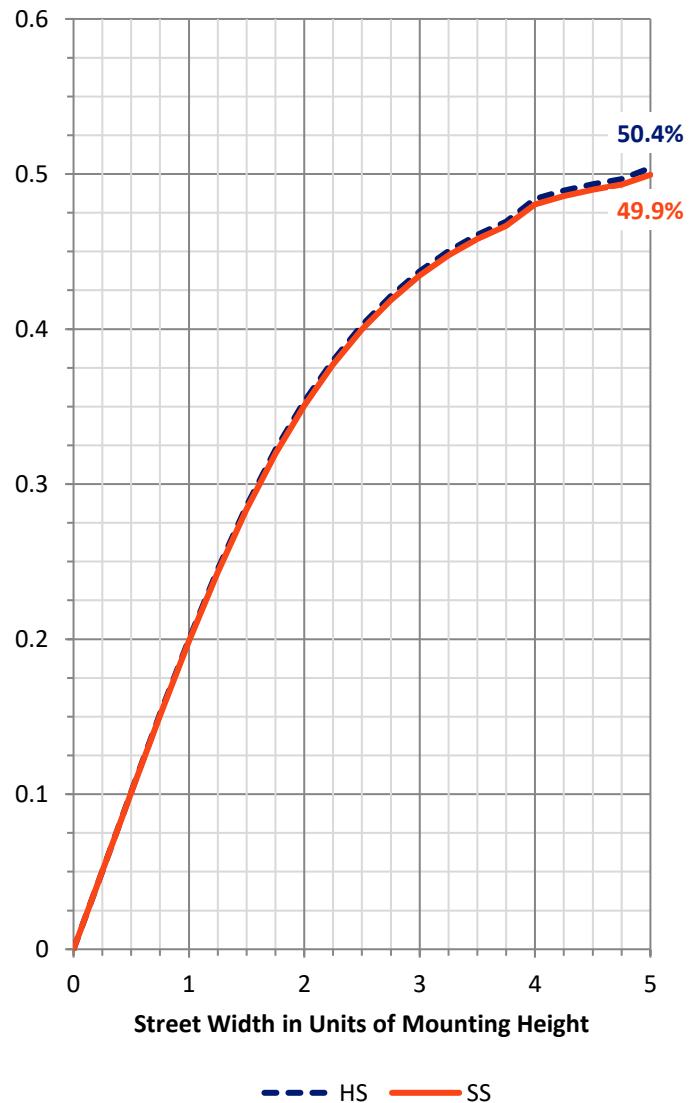
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3132.0	0.0	3132.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3132.0	0.0	3132.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6264.0	0.0	6264.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	41.5	0.7
20°-30°	156.9	2.5
30°-40°	355.3	5.7
40°-50°	635.0	10.1
50°-60°	1117.5	17.8
60°-70°	1848.6	29.5
70°-80°	1869.5	29.8
80°-90°	236.8	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°	6264.0	100.0
0°-180°	6264.0	100.0



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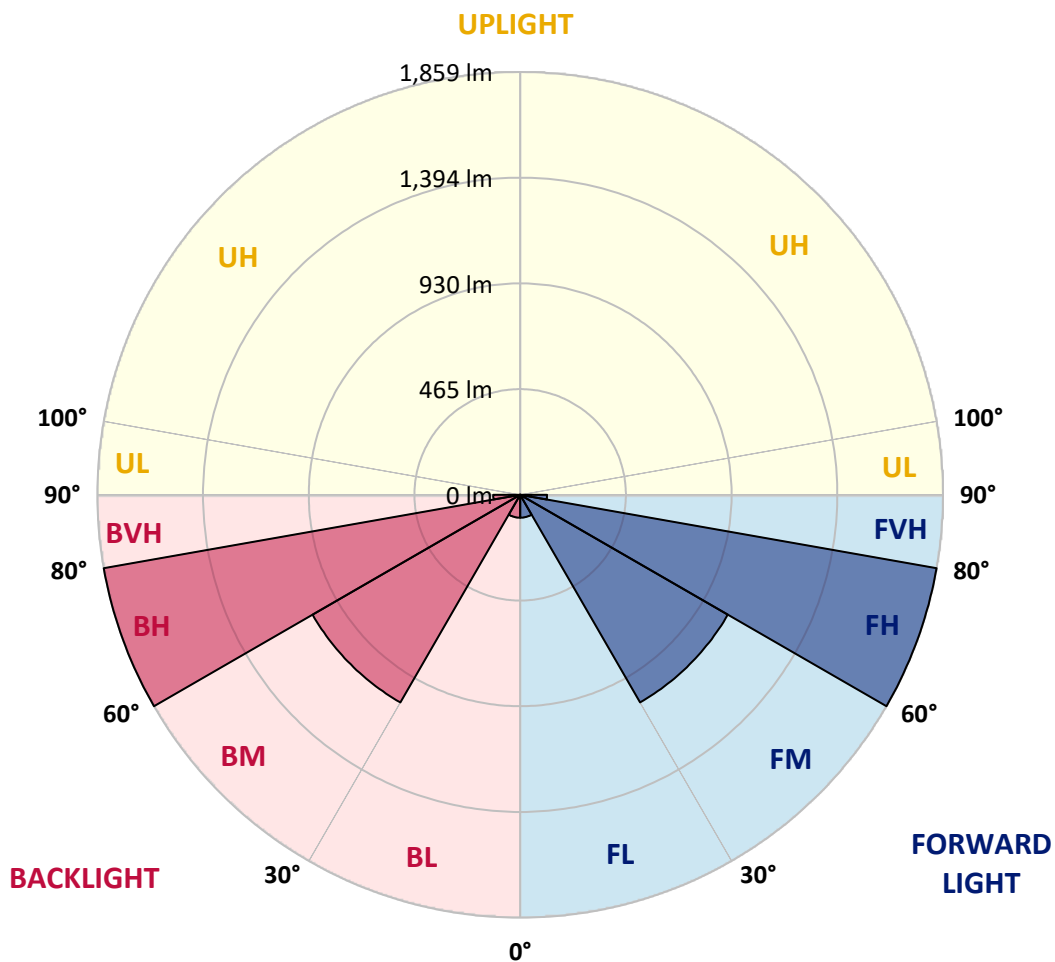
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.6	1.6			
FM	(30°-60°)	1053.9	16.8			
FH	(60°-80°)	1859.1	29.7			G2/5000
FVH	(80°-90°)	118.4	1.9			G2/225
BL	(0°-30°)	100.6	1.6	B0/110		
BM	(30°-60°)	1053.9	16.8	B2/2500		
BH	(60°-80°)	1859.1	29.7	B3/2500		G2/5000
BVH	(80°-90°)	118.4	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.9	1.9	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6
5°	38.6	27.7	13.5	10.9	7.7	2.6	1.3	1.3	1.3	0.6	0.6
7.5°	86.8	86.2	84.9	74.0	52.1	38.6	8.4	1.9	1.3	1.3	1.3
10°	96.5	95.8	95.2	93.2	90.7	82.3	43.1	8.4	3.2	3.9	3.9
12.5°	138.9	138.3	132.5	102.9	93.9	92.0	77.8	39.9	34.1	64.3	68.2
15°	189.7	189.1	182.6	156.9	134.4	99.0	128.6	142.8	127.3	140.8	140.8
17.5°	201.3	199.3	192.9	186.5	177.5	172.3	189.7	182.6	141.5	151.1	151.1
20°	270.7	257.2	244.4	207.7	192.3	252.1	204.5	199.3	223.8	264.3	271.4
22.5°	300.3	299.7	293.2	276.5	273.3	264.3	254.6	290.0	295.8	300.9	302.9
25°	353.7	349.8	309.9	296.4	339.5	289.4	343.4	313.8	324.1	371.7	376.8
27.5°	408.3	407.0	398.7	355.6	355.6	384.5	361.4	379.4	432.1	450.8	457.8
30°	456.6	432.1	416.7	423.8	394.2	412.2	413.5	444.3	457.2	481.0	487.4
32.5°	536.3	534.4	509.3	461.7	463.0	436.6	472.6	470.1	574.9	628.9	643.0
35°	594.8	599.3	556.9	538.2	494.5	520.2	505.4	571.7	605.7	667.5	676.5
37.5°	709.9	709.3	674.6	582.0	550.4	549.8	576.8	601.2	652.7	709.3	715.1
40°	759.4	758.2	729.2	674.6	593.5	599.3	614.8	637.3	694.5	758.8	762.0
42.5°	828.2	821.8	792.2	719.6	675.8	664.3	668.1	695.8	750.4	827.0	823.7
45°	897.7	899.6	873.9	790.9	747.9	724.1	731.1	767.8	828.9	904.8	904.1
47.5°	981.9	984.5	972.3	868.8	830.8	798.0	811.5	848.2	915.1	989.0	987.7
50°	1086.1	1085.5	1077.1	963.9	924.7	892.5	902.8	933.7	1004.4	1077.7	1085.5
52.5°	1192.2	1194.8	1193.5	1079.0	1035.9	1005.1	1014.7	1043.7	1112.5	1185.8	1192.2
55°	1311.8	1324.0	1322.7	1227.6	1160.1	1151.7	1157.5	1163.9	1239.8	1311.2	1312.5
57.5°	1459.7	1465.5	1477.1	1395.4	1319.5	1315.0	1304.1	1301.5	1376.1	1435.3	1426.3
60°	1613.4	1619.2	1637.8	1585.1	1501.5	1510.5	1474.5	1435.3	1506.7	1554.2	1549.1
62.5°	1760.7	1774.2	1810.8	1768.4	1691.2	1718.9	1650.1	1583.8	1650.1	1689.3	1681.6
65°	1918.8	1935.6	1978.7	1961.9	1852.0	1910.5	1837.2	1726.6	1816.6	1835.9	1837.2
67.5°	2093.1	2106.6	2158.1	2127.8	1991.5	2054.5	1994.1	1866.8	1965.8	1958.7	1951.6
70°	2227.5	2244.2	2291.8	2228.8	2093.1	2145.8	2086.0	1955.5	2070.6	2074.5	2068.7
71°	2243.6	2257.7	2311.1	2251.9	2122.7	2172.2	2102.1	1969.0	2088.6	2086.0	2079.0
72.5°	2190.2	2207.6	2270.6	2232.7	2145.8	2205.0	2101.5	1947.1	2062.9	2039.1	2029.5
75°	1855.2	1864.2	1941.4	2010.8	2062.2	2190.9	1984.4	1775.5	1852.6	1816.0	1811.5
77.5°	1127.3	1150.4	1304.7	1517.6	1765.8	1972.2	1726.6	1435.9	1405.7	1297.0	1254.6
80°	389.0	429.6	551.7	776.2	1187.7	1524.0	1217.3	877.8	656.6	494.5	457.2
82.5°	64.9	94.5	143.4	243.1	533.7	866.2	601.2	290.0	188.4	131.8	127.3
85°	21.9	25.7	54.7	67.5	124.8	238.6	140.2	80.4	69.4	44.4	41.2
87.5°	3.2	4.5	7.1	7.7	10.9	6.4	11.6	12.2	9.6	6.4	3.9
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)