

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: P416117

Luminaire Tested: **LXF.LXT-PA1-60-830-U-5WQ**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416117
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-PA1-60-830-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6314 lumens
Efficiency: N/A
Efficacy: 98.7 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

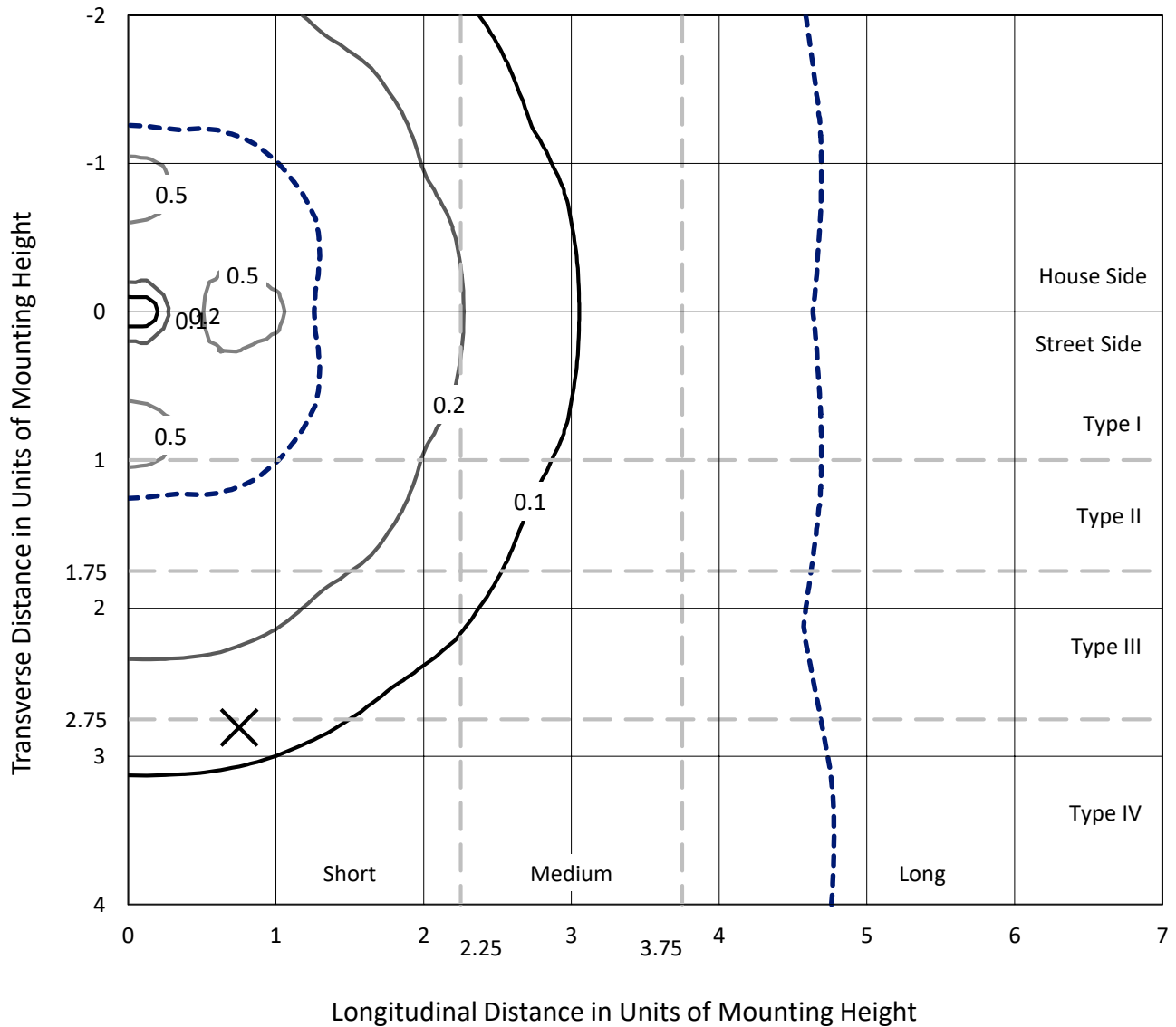
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

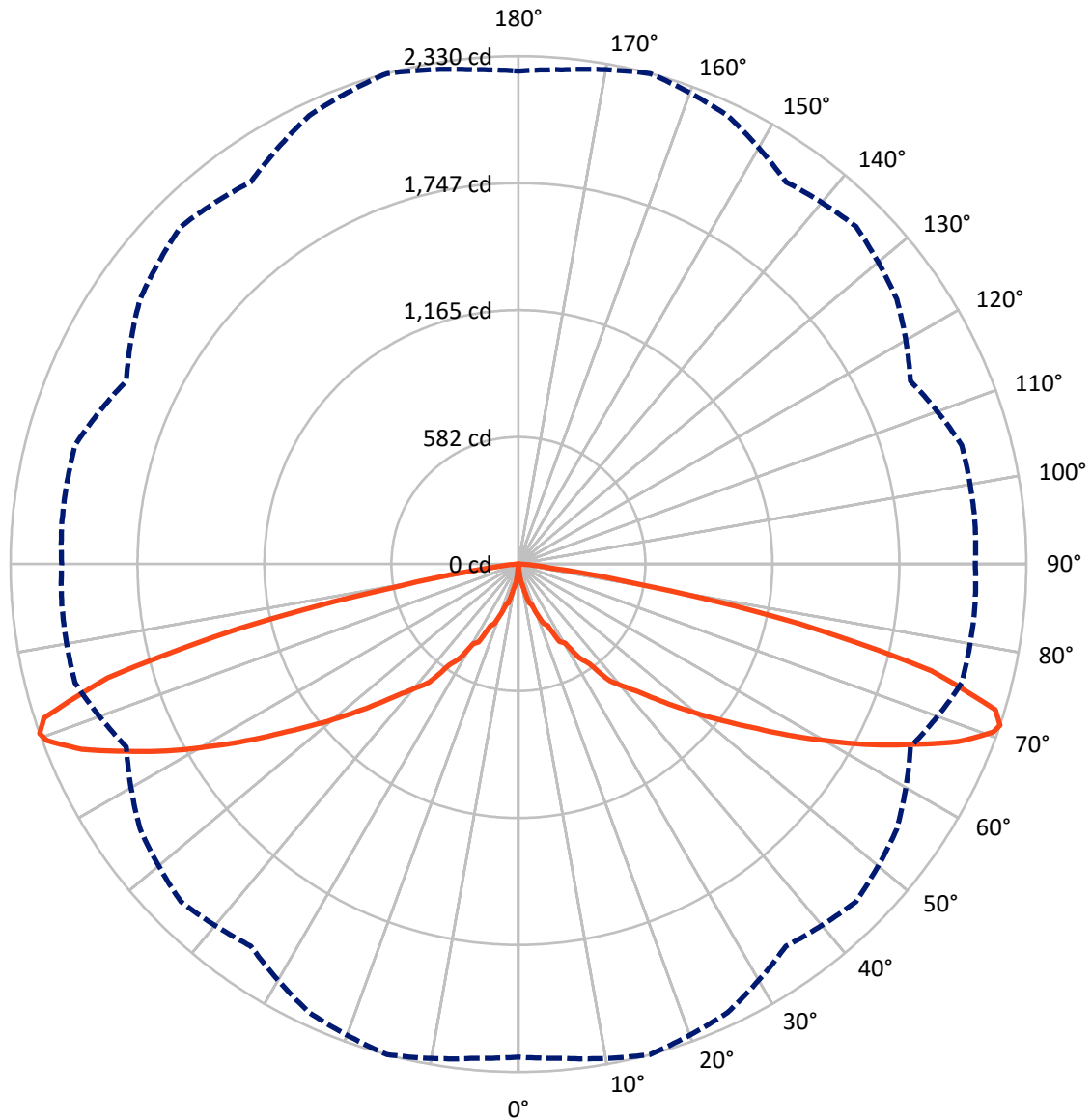
× Max cd
 - - - 1/2 Max cd



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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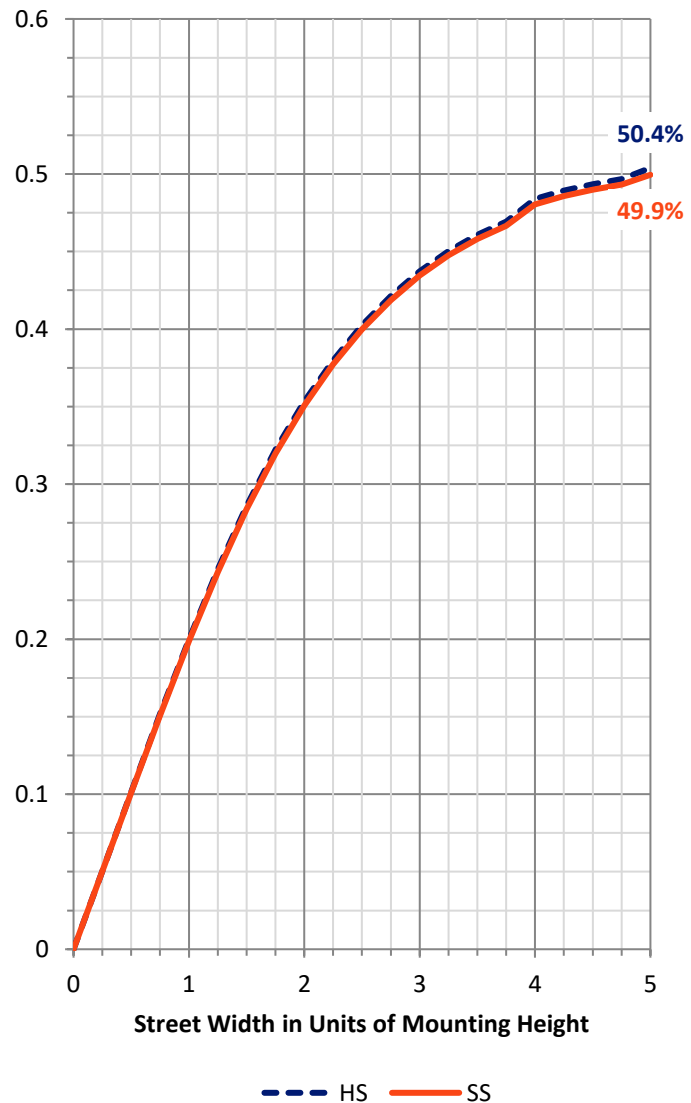
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3157.0	0.0	3157.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3157.0	0.0	3157.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6314.0	0.0	6314.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	41.9	0.7
20°-30°	158.2	2.5
30°-40°	358.2	5.7
40°-50°	640.0	10.1
50°-60°	1126.4	17.8
60°-70°	1863.4	29.5
70°-80°	1884.4	29.8
80°-90°	238.7	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°	6314.0	100.0
0°-180°	6314.0	100.0



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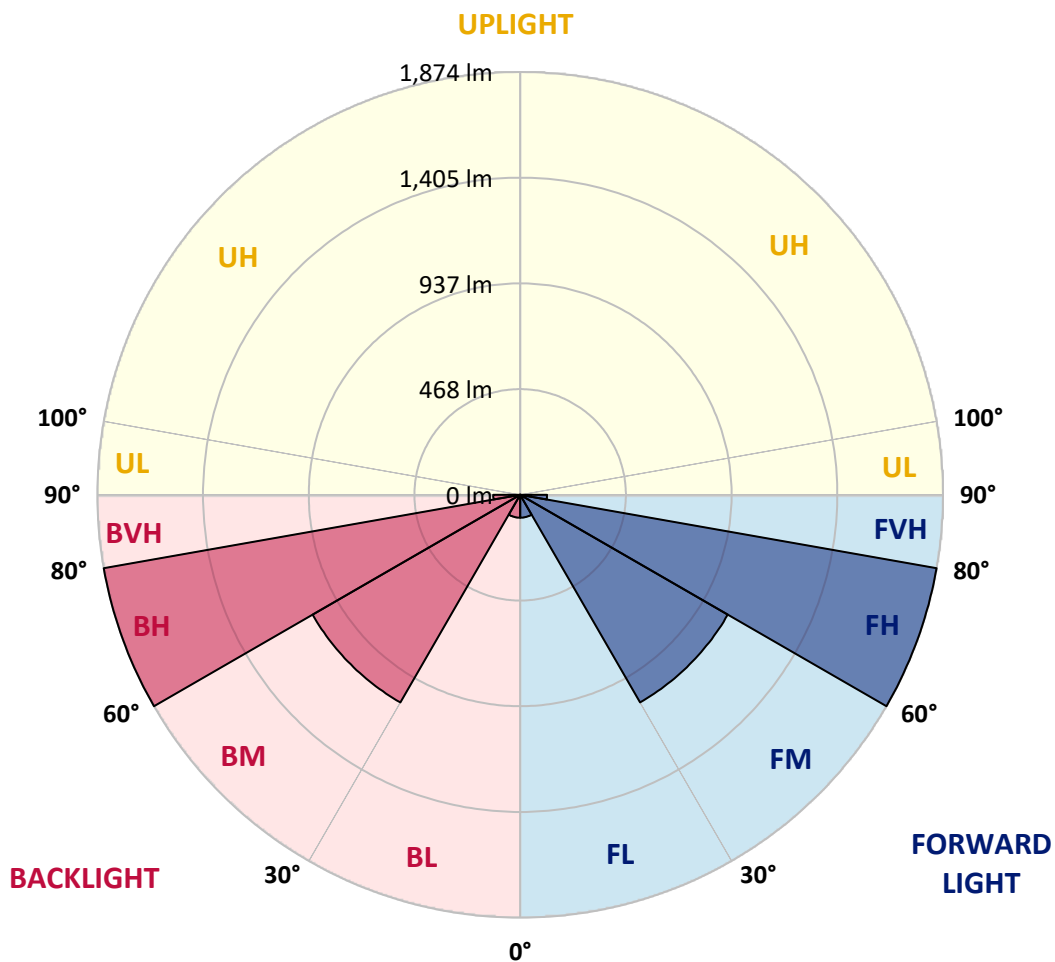
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.4	1.6			
FM	(30°-60°)	1062.3	16.8			
FH	(60°-80°)	1873.9	29.7			G2/5000
FVH	(80°-90°)	119.4	1.9			G2/225
BL	(0°-30°)	101.4	1.6	B0/110		
BM	(30°-60°)	1062.3	16.8	B2/2500		
BH	(60°-80°)	1873.9	29.7	B3/2500		G2/5000
BVH	(80°-90°)	119.4	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°	38.9	27.9	13.6	11.0	7.8	2.6	1.3	1.3	1.3	0.6	0.6
7.5°	87.5	86.9	85.6	74.5	52.5	38.9	8.4	1.9	1.3	1.3	1.3
10°	97.2	96.6	95.9	94.0	91.4	83.0	43.4	8.4	3.2	3.9	3.9
12.5°	140.0	139.4	133.5	103.7	94.6	92.7	78.4	40.2	34.4	64.8	68.7
15°	191.2	190.6	184.1	158.2	135.5	99.8	129.6	143.9	128.3	142.0	142.0
17.5°	202.9	200.9	194.5	188.0	178.9	173.7	191.2	184.1	142.6	152.3	152.3
20°	272.9	259.3	246.3	209.4	193.8	254.1	206.1	200.9	225.6	266.4	273.5
22.5°	302.7	302.1	295.6	278.7	275.5	266.4	256.7	292.3	298.2	303.3	305.3
25°	356.5	352.6	312.4	298.8	342.2	291.7	346.1	316.3	326.7	374.6	379.8
27.5°	411.6	410.3	401.9	358.4	358.4	387.6	364.3	382.4	435.6	454.4	461.5
30°	460.2	435.6	420.0	427.2	397.3	415.5	416.8	447.9	460.9	484.8	491.3
32.5°	540.6	538.6	513.4	465.4	466.7	440.1	476.4	473.8	579.5	633.9	648.2
35°	599.6	604.1	561.3	542.5	498.4	524.4	509.5	576.2	610.6	672.8	681.9
37.5°	715.6	714.9	679.9	586.6	554.8	554.2	581.4	606.0	657.9	714.9	720.8
40°	765.5	764.2	735.0	679.9	598.3	604.1	619.7	642.3	700.0	764.9	768.1
42.5°	834.9	828.4	798.6	725.3	681.2	669.6	673.5	701.3	756.4	833.6	830.3
45°	904.9	906.8	880.9	797.3	753.8	729.8	737.0	773.9	835.5	912.0	911.3
47.5°	989.8	992.4	980.0	875.7	837.4	804.4	818.0	854.9	922.4	996.9	995.6
50°	1094.8	1094.1	1085.7	971.6	932.1	899.7	910.0	941.2	1012.5	1086.3	1094.1
52.5°	1201.7	1204.3	1203.0	1087.6	1044.2	1013.1	1022.8	1052.0	1121.3	1195.2	1201.7
55°	1322.3	1334.6	1333.3	1237.4	1169.3	1160.9	1166.7	1173.2	1249.7	1321.6	1322.9
57.5°	1471.4	1477.2	1488.9	1406.5	1330.1	1325.5	1314.5	1311.9	1387.1	1446.7	1437.7
60°	1626.3	1632.1	1650.9	1597.8	1513.5	1522.6	1486.3	1446.7	1518.7	1566.6	1561.5
62.5°	1774.7	1788.3	1825.3	1782.5	1704.7	1732.6	1663.2	1596.5	1663.2	1702.8	1695.0
65°	1934.2	1951.0	1994.4	1977.6	1866.8	1925.7	1851.8	1740.4	1831.1	1850.6	1851.8
67.5°	2109.8	2123.4	2175.3	2144.8	2007.4	2070.9	2010.0	1881.7	1981.5	1974.4	1967.2
70°	2245.3	2262.1	2310.1	2246.6	2109.8	2163.0	2102.7	1971.1	2087.1	2091.0	2085.2
71°	2261.5	2275.8	2329.6	2269.9	2139.6	2189.5	2118.9	1984.7	2105.3	2102.7	2095.6
72.5°	2207.7	2225.2	2288.7	2250.5	2163.0	2222.6	2118.2	1962.7	2079.4	2055.4	2045.7
75°	1870.0	1879.1	1956.9	2026.9	2078.7	2208.3	2000.3	1789.6	1867.4	1830.5	1825.9
77.5°	1136.3	1159.6	1315.2	1529.7	1779.9	1988.0	1740.4	1447.4	1416.9	1307.4	1264.6
80°	392.1	433.0	556.1	782.4	1197.2	1536.2	1227.0	884.8	661.8	498.4	460.9
82.5°	65.5	95.3	144.5	245.0	538.0	873.1	606.0	292.3	189.9	132.9	128.3
85°	22.0	25.9	55.1	68.1	125.7	240.5	141.3	81.0	70.0	44.7	41.5
87.5°	3.2	4.5	7.1	7.8	11.0	6.5	11.7	12.3	9.7	6.5	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)