

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: P253773

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-9-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6113.1 lumens
Efficiency: N/A
Efficacy: 113.2 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

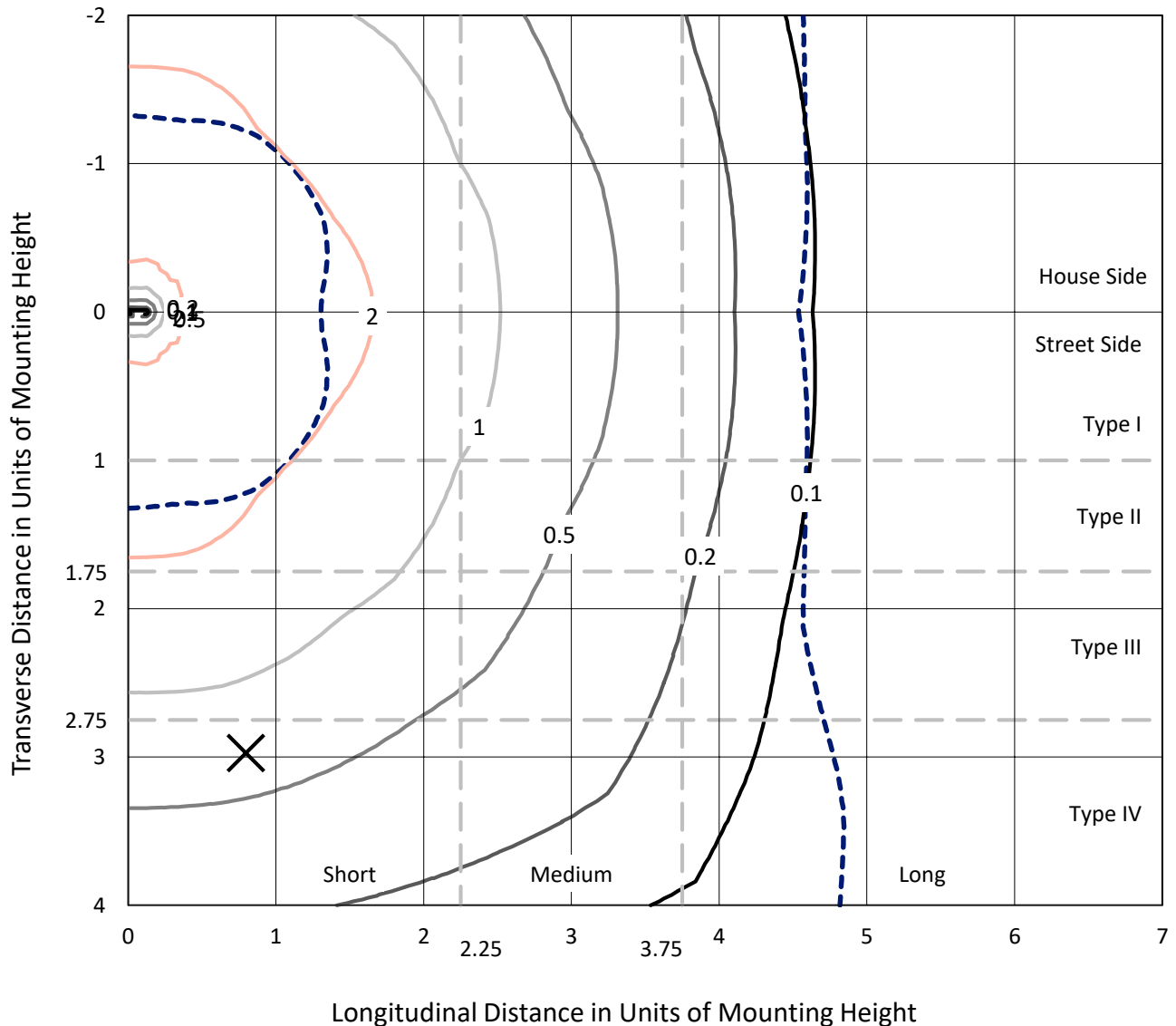
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

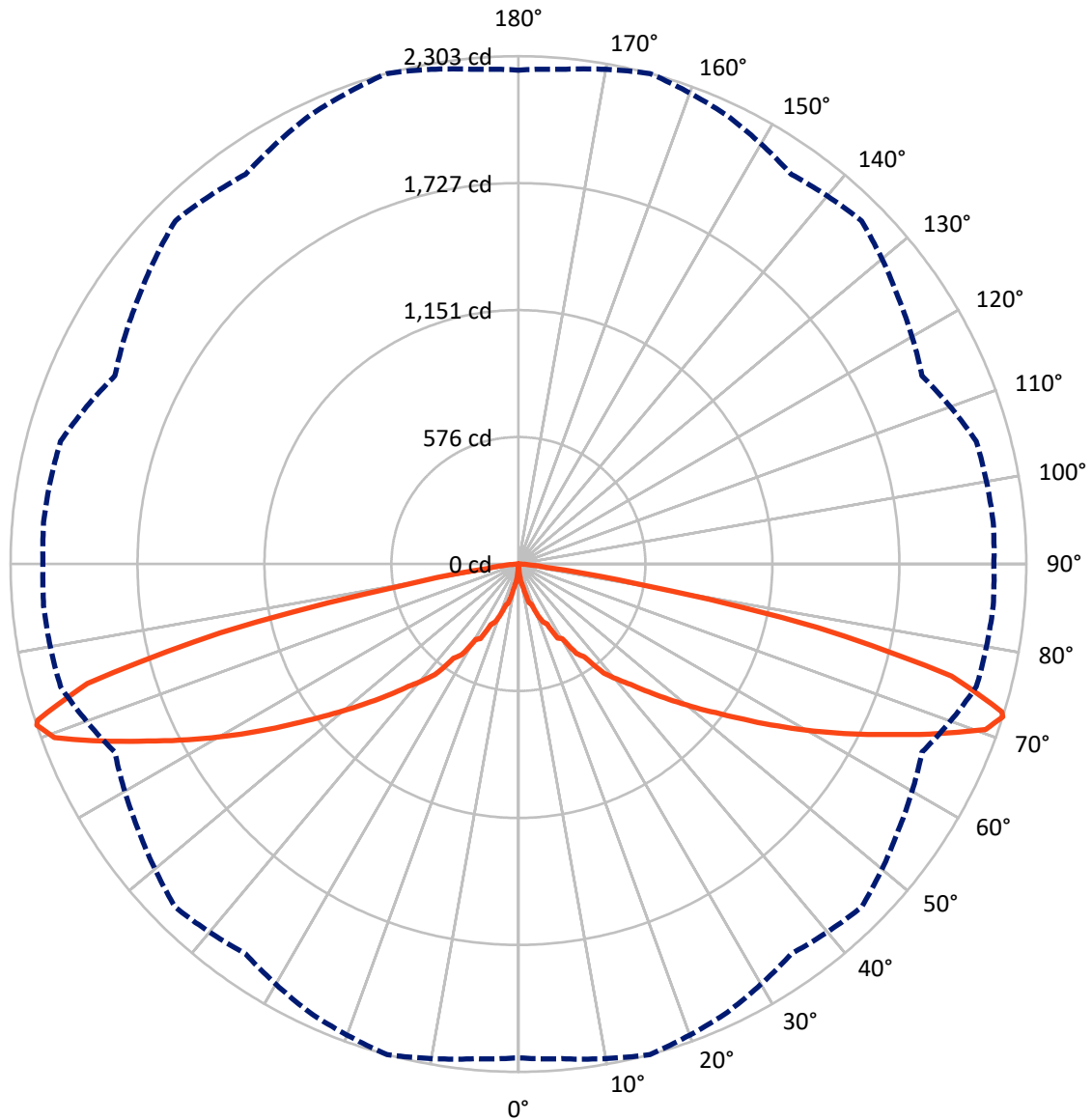


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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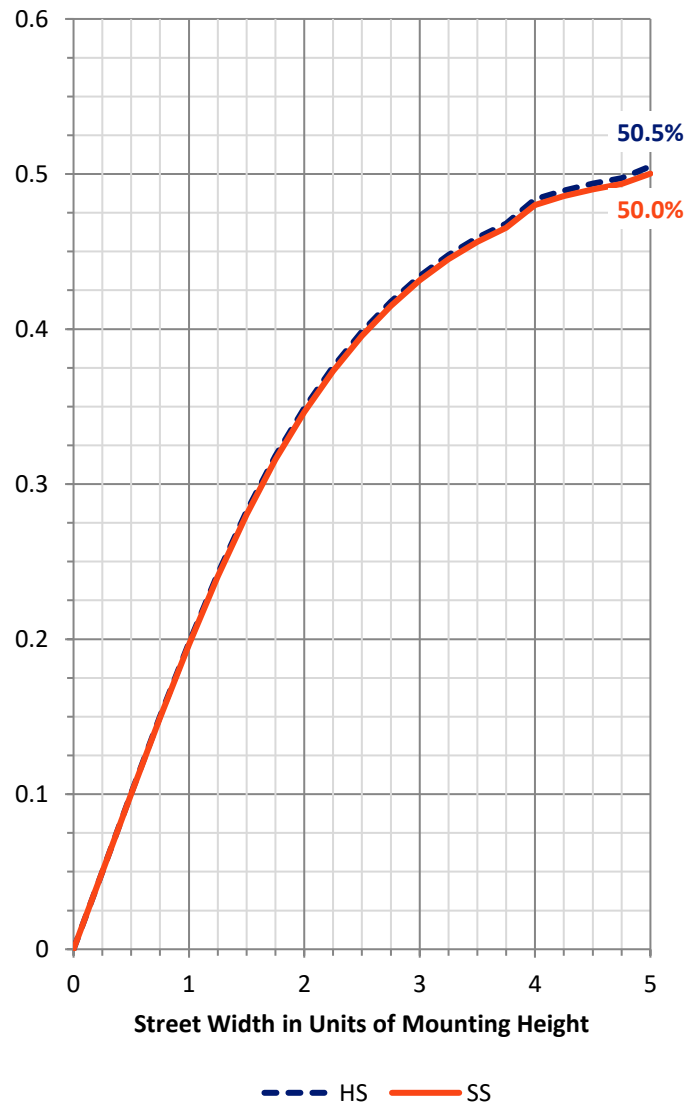
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3056.6	0.0	3056.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3056.6	0.0	3056.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6113.1	0.0	6113.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	41.4	0.7
20°-30°	151.7	2.5
30°-40°	334.9	5.5
40°-50°	600.2	9.8
50°-60°	1061.2	17.4
60°-70°	1784.9	29.2
70°-80°	1911.2	31.3
80°-90°	224.6	3.7
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°	6113.1	100.0
0°-180°	6113.1	100.0



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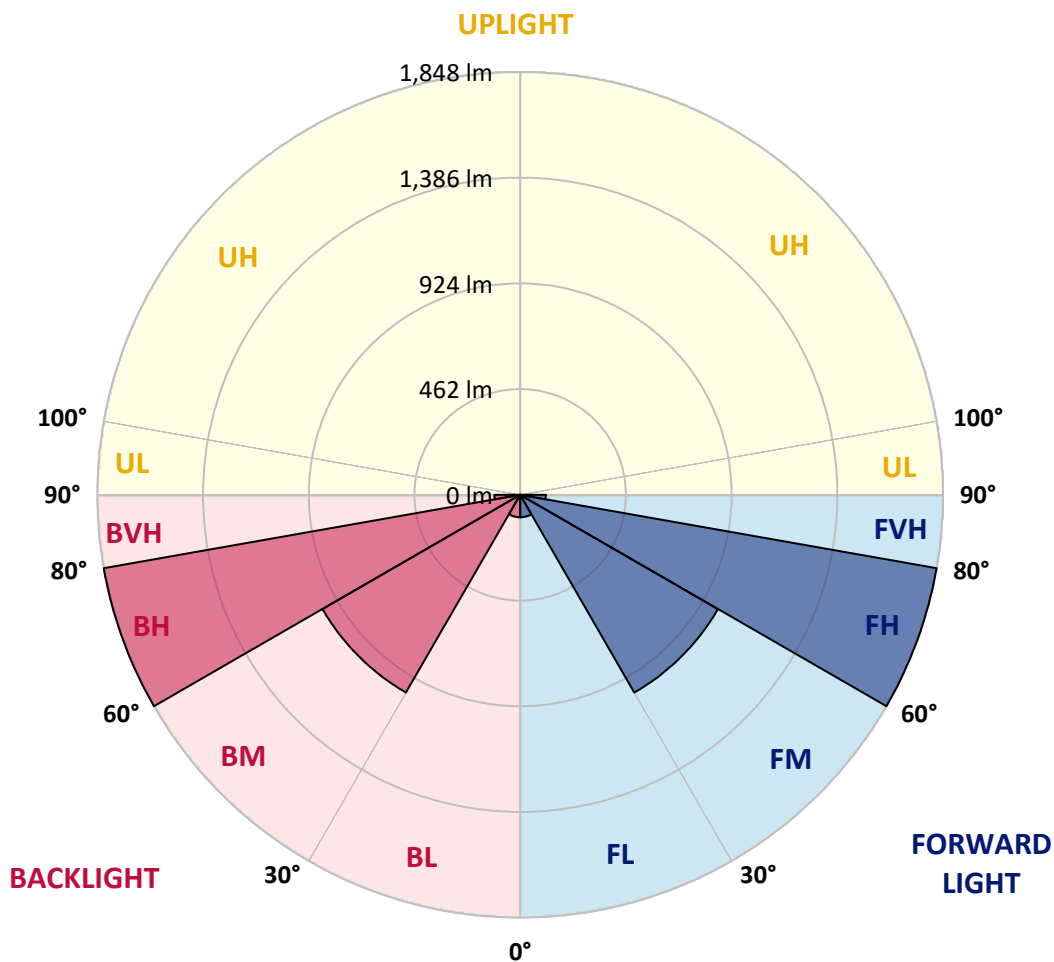
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.0	1.6			
FM (30°-60°)	998.2	16.3			
FH (60°-80°)	1848.1	30.2			G2/5000
FVH (80°-90°)	112.3	1.8			G2/225
BL (0°-30°)	98.0	1.6	B0/110		
BM (30°-60°)	998.2	16.3	B1/1000		
BH (60°-80°)	1848.1	30.2	B3/2500		G2/5000
BVH (80°-90°)	112.3	1.8			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	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3
5°	38.4	37.7	28.4	13.2	10.5	4.6	1.9	1.3	1.3	1.3	1.3
7.5°	88.0	86.0	84.0	71.5	54.9	39.1	11.3	2.7	1.9	1.3	1.3
10°	96.0	96.0	94.6	92.7	90.0	81.4	45.6	10.5	4.6	4.0	4.0
12.5°	139.6	138.9	132.4	103.2	93.9	92.0	76.7	41.0	27.1	55.5	66.2
15°	190.6	189.2	183.3	165.4	134.9	99.9	120.4	148.2	128.4	137.0	137.6
17.5°	201.8	199.8	192.5	185.9	174.7	168.1	187.9	180.7	142.9	144.8	145.6
20°	260.0	264.0	242.8	209.7	192.5	251.4	207.0	198.5	234.9	260.6	268.6
22.5°	293.1	291.7	285.2	269.2	280.5	260.6	252.8	284.5	285.2	289.1	290.4
25°	340.7	339.4	301.1	286.5	329.5	285.2	332.8	303.0	311.0	334.1	353.9
27.5°	389.7	387.7	379.8	340.7	340.0	375.1	347.4	374.5	414.8	429.4	437.3
30°	435.4	425.4	392.3	402.9	375.1	395.0	401.0	421.5	431.4	455.2	459.8
32.5°	502.9	500.8	483.7	434.0	443.2	418.8	446.6	444.6	546.5	590.9	605.4
35°	574.3	554.4	518.7	500.8	473.7	494.3	465.1	537.9	571.0	624.6	633.2
37.5°	668.3	667.0	627.9	547.2	523.3	519.4	547.2	564.4	608.0	662.3	669.5
40°	718.5	718.5	685.5	622.0	570.3	565.7	581.5	605.4	652.3	710.6	716.6
42.5°	779.4	779.4	746.3	678.2	647.1	622.0	625.9	654.4	704.6	772.7	780.7
45°	850.9	850.9	827.7	738.4	710.6	682.8	696.7	724.5	783.4	850.9	860.8
47.5°	936.9	934.3	915.7	816.4	788.0	754.9	774.1	803.8	865.4	936.9	944.2
50°	1028.9	1026.8	1013.6	910.4	868.7	845.6	863.5	887.2	957.4	1032.2	1040.1
52.5°	1126.1	1125.5	1120.1	1024.2	969.2	951.4	966.7	989.8	1058.7	1139.4	1146.6
55°	1243.2	1246.5	1243.2	1162.5	1096.3	1087.7	1094.4	1109.6	1177.0	1254.4	1259.0
57.5°	1371.6	1373.5	1385.5	1329.8	1257.1	1243.2	1247.2	1257.7	1310.7	1374.2	1378.8
60°	1508.5	1513.9	1537.0	1496.6	1435.7	1437.0	1425.2	1397.4	1454.2	1499.2	1498.6
62.5°	1646.1	1652.1	1695.7	1662.7	1618.3	1642.9	1609.1	1538.9	1604.5	1635.6	1629.6
65°	1797.0	1811.5	1863.2	1850.6	1785.0	1838.0	1785.8	1691.8	1781.2	1783.1	1783.1
67.5°	1985.5	1999.5	2052.3	2029.2	1931.9	1992.8	1932.7	1846.6	1936.5	1926.0	1931.3
70°	2191.4	2205.2	2246.2	2168.9	2062.3	2113.9	2047.7	1961.1	2090.7	2109.3	2104.6
72°	2238.9	2251.5	2302.5	2242.3	2156.9	2200.0	2103.3	2018.6	2149.0	2160.9	2155.6
72.5°	2224.4	2235.7	2292.5	2242.3	2172.1	2219.1	2111.3	2019.9	2139.7	2148.3	2141.0
75°	1926.0	1946.6	2027.9	2080.2	2148.3	2276.7	2080.2	1900.8	1920.7	1895.5	1865.1
77.5°	1241.2	1220.7	1387.4	1600.5	1843.4	2117.9	1824.7	1501.9	1352.3	1227.3	1172.4
80°	367.9	388.4	536.5	797.3	1246.5	1588.5	1267.6	806.5	493.6	345.3	329.5
82.5°	73.4	91.3	133.7	209.7	533.3	868.1	529.3	238.9	161.4	125.0	115.8
85°	28.4	29.2	58.2	66.2	90.0	175.9	127.1	82.7	78.8	52.3	47.0
87.5°	4.0	5.3	9.3	11.3	10.5	5.9	12.6	8.6	4.6	4.6	3.3
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)