

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: P254521

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-5WQ-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6423.2 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

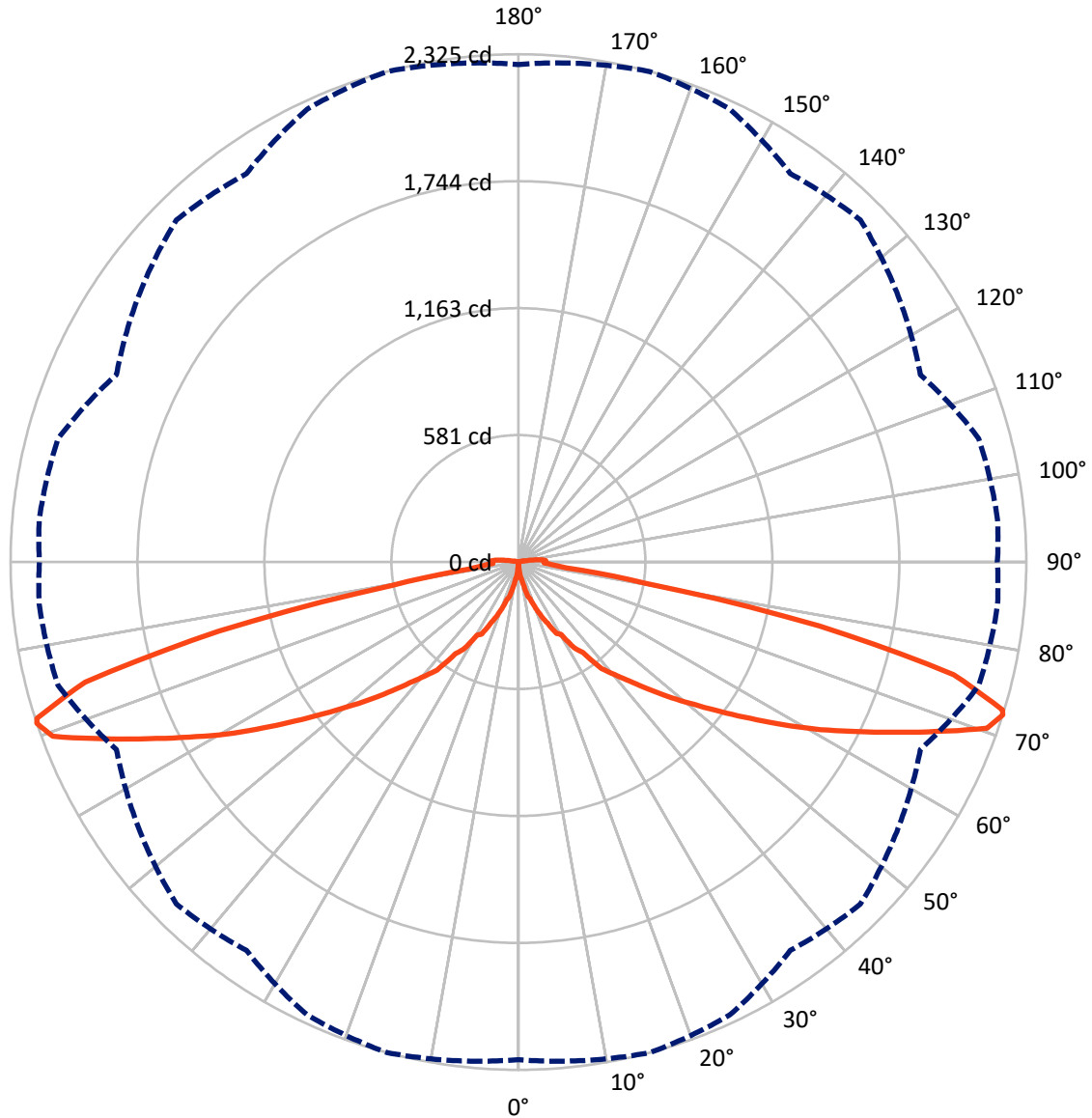
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Luminous Intensity Polar Plot



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

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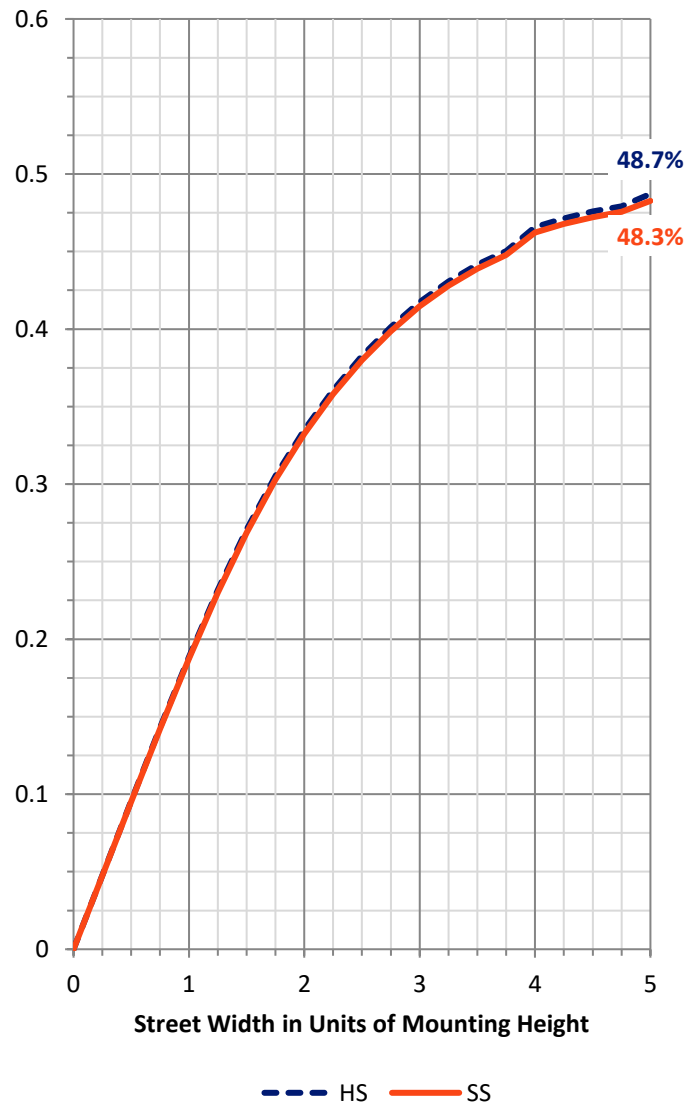
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3139.2	72.4	3211.6
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	3139.2	72.4	3211.6
	% Fixture	48.9	1.1	50.0
Total	Lumens	6278.4	144.8	6423.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.0
10°-20°	38.6	0.6
20°-30°	145.4	2.3
30°-40°	328.7	5.1
40°-50°	597.2	9.3
50°-60°	1070.8	16.7
60°-70°	1809.8	28.2
70°-80°	1944.3	30.3
80°-90°	340.9	5.3
90°-100°	118.5	1.8
100°-110°	15.7	0.2
110°-120°	4.5	0.1
120°-130°	2.8	0.0
130°-140°	1.6	0.0
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6278.4	97.7
0°-180°	6423.2	100.0



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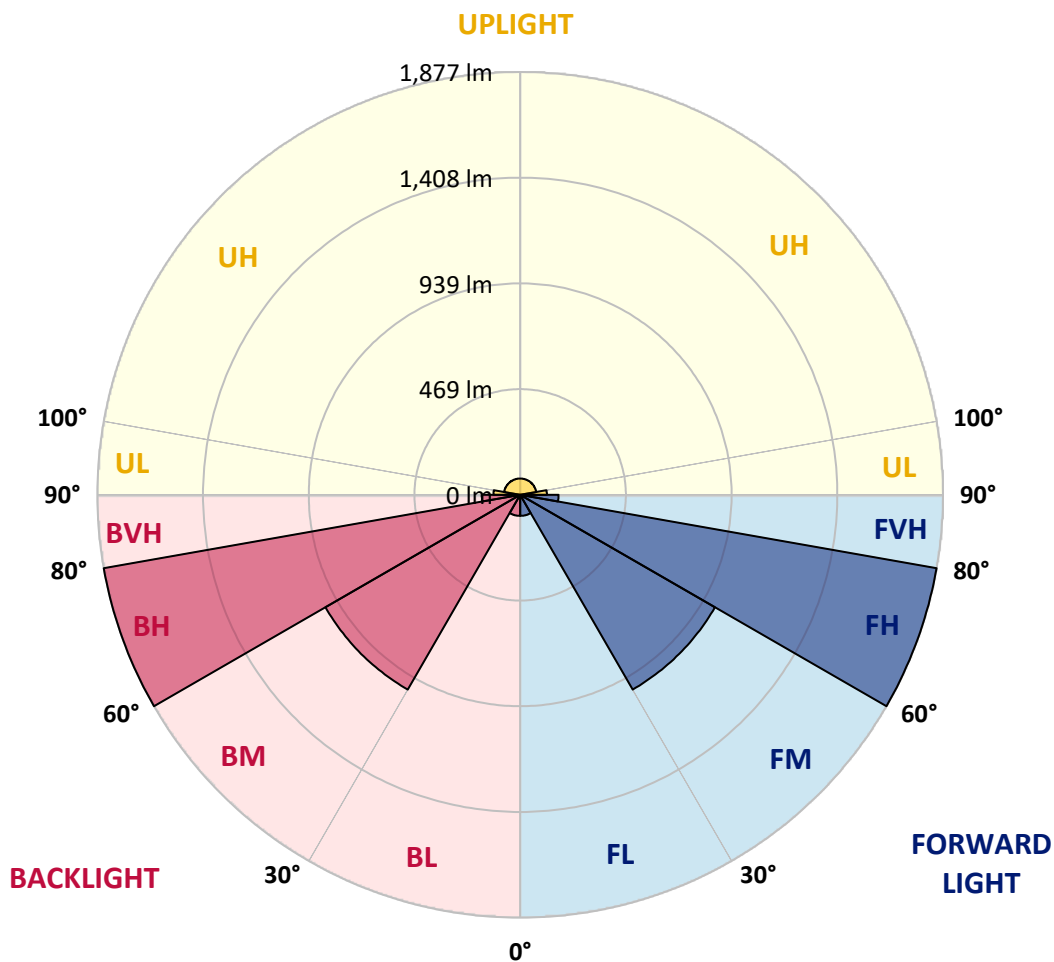
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.4	1.5			
FM (30°-60°)	998.3	15.5			
FH (60°-80°)	1877.0	29.2			G2/5000
FVH (80°-90°)	170.4	2.7			G2/225
BL (0°-30°)	93.4	1.5	B0/110		
BM (30°-60°)	998.3	15.5	B1/1000		
BH (60°-80°)	1877.0	29.2	B3/2500		G2/5000
BVH (80°-90°)	170.4	2.7			G2/225
UL (90°-100°)	118.5	1.8		U3/500	
UH (100°-180°)	72.4	1.1		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	5.8	5.8	5.8	5.0	5.0	5.0	5.0	4.4	5.0	5.0	5.0
5°	32.6	34.0	30.4	29.6	13.7	10.8	6.5	5.0	5.0	5.0	5.0
7.5°	72.9	72.9	70.8	63.6	47.0	39.0	21.7	7.9	5.8	5.0	5.0
10°	83.8	82.4	78.7	78.7	75.9	69.4	41.2	19.5	8.6	7.9	7.9
12.5°	127.2	127.2	116.4	107.0	84.5	76.6	65.0	46.2	47.7	76.6	87.4
15°	169.8	169.8	163.4	151.8	120.7	89.6	117.1	137.3	116.4	125.0	125.7
17.5°	188.6	187.9	179.1	169.2	156.1	172.0	162.6	157.6	137.3	138.0	141.0
20°	261.6	258.7	226.1	207.4	182.1	220.4	193.7	181.4	231.9	249.3	255.1
22.5°	279.7	277.5	268.9	251.6	263.1	236.3	238.5	262.3	266.7	275.4	277.5
25°	331.0	330.3	310.1	278.9	302.8	270.3	307.1	280.5	297.7	346.9	365.7
27.5°	378.0	376.5	369.3	333.9	319.5	350.5	327.4	364.3	402.5	413.4	422.1
30°	423.5	421.3	384.5	389.5	356.3	371.5	398.9	405.5	419.9	448.1	449.5
32.5°	496.5	491.4	466.9	433.6	424.3	397.4	428.7	430.1	530.5	582.6	594.8
35°	569.6	564.5	509.4	494.4	461.8	472.0	458.9	524.7	565.9	615.0	623.8
37.5°	665.0	659.8	618.6	547.1	515.2	500.9	534.1	560.8	596.2	662.0	661.3
40°	717.0	714.8	677.2	620.8	567.4	550.7	568.0	591.9	646.9	706.2	712.6
42.5°	779.1	774.1	744.4	678.6	633.8	608.6	605.0	651.9	710.4	773.3	774.7
45°	854.3	847.1	826.1	739.3	695.3	675.0	674.3	723.6	791.4	854.3	861.5
47.5°	938.9	932.3	918.7	817.4	774.7	748.8	765.4	796.5	865.9	941.0	948.9
50°	1029.9	1026.3	1014.7	917.9	882.5	840.5	859.4	878.9	961.9	1034.2	1036.5
52.5°	1127.4	1129.6	1124.6	1030.7	991.6	961.3	982.2	978.6	1059.5	1143.4	1141.2
55°	1249.6	1249.6	1251.8	1175.2	1136.9	1084.1	1120.2	1111.6	1185.3	1259.8	1257.6
57.5°	1386.9	1387.7	1394.1	1333.4	1301.0	1257.6	1281.4	1264.7	1311.7	1376.7	1370.3
60°	1524.9	1530.7	1551.1	1524.9	1483.0	1446.1	1479.5	1396.4	1453.4	1513.5	1504.1
62.5°	1667.4	1676.0	1706.4	1701.2	1656.5	1640.6	1668.1	1559.6	1635.5	1649.3	1639.9
65°	1832.2	1834.4	1877.0	1879.2	1811.9	1842.9	1833.6	1712.8	1819.8	1807.5	1806.2
67.5°	2015.0	2030.1	2069.2	2051.2	1961.5	1987.5	1972.3	1857.4	1969.5	1965.8	1959.3
70°	2239.0	2245.5	2276.6	2210.1	2081.5	2116.9	2074.3	1977.4	2131.3	2157.4	2150.9
72°	2278.0	2294.0	2325.0	2288.2	2170.4	2214.4	2122.7	2030.1	2181.9	2202.2	2192.9
72.5°	2268.0	2281.0	2317.1	2286.0	2181.3	2228.9	2128.5	2028.7	2168.9	2189.9	2178.3
75°	1976.7	1975.2	2058.3	2116.2	2153.7	2294.7	2100.3	1916.0	1934.8	1931.1	1913.1
77.5°	1258.3	1297.4	1408.6	1598.7	1878.3	2134.9	1861.0	1535.1	1375.3	1282.1	1242.4
80°	438.6	469.0	589.0	843.5	1310.3	1629.0	1303.8	847.1	563.8	438.0	432.2
82.5°	174.2	199.5	219.7	291.2	613.6	953.3	609.2	315.1	252.9	228.4	221.1
85°	138.0	141.7	156.1	166.2	222.6	307.9	270.3	190.7	177.8	159.7	156.1
87.5°	121.4	124.3	117.1	119.9	155.3	172.7	169.8	122.9	109.8	120.7	116.4
90°	127.2	128.6	117.8	119.2	157.6	177.1	164.1	115.6	114.1	126.5	122.2
92.5°	135.9	138.0	126.5	127.2	162.6	183.5	164.8	114.9	124.3	135.9	131.5
95°	111.3	114.1	106.2	109.2	141.7	164.1	146.7	102.6	110.6	132.3	128.0
97.5°	65.8	68.7	68.0	86.8	93.2	102.6	95.4	70.8	68.0	74.4	70.2
100°	11.6	14.4	30.4	57.2	52.8	44.8	49.1	44.1	29.0	15.2	10.8
102.5°	10.8	11.6	22.4	31.0	22.4	16.0	21.7	26.0	16.6	10.2	10.2
105°	10.8	11.6	12.2	13.0	7.2	6.5	9.4	15.2	10.2	10.2	10.2
107.5°	10.2	10.2	6.5	5.8	5.8	6.5	5.8	6.5	7.2	9.4	10.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	8.6	8.6	5.8	5.0	5.0	5.8	5.0	5.8	5.8	7.2	7.2
112.5°	6.5	6.5	4.4	4.4	4.4	5.0	4.4	4.4	5.0	5.8	5.8
115°	6.5	6.5	4.4	3.6	3.6	4.4	3.6	3.6	4.4	5.8	5.8
117.5°	5.8	5.8	3.6	2.8	2.8	2.8	2.8	2.8	4.4	5.8	5.8
120°	5.8	5.8	3.6	2.8	2.8	2.1	2.8	2.8	3.6	5.8	5.8
122.5°	5.8	5.8	3.6	2.1	2.1	2.1	2.1	2.8	3.6	5.0	5.8
125°	5.8	5.0	3.6	2.1	2.1	2.1	2.1	2.1	3.6	5.0	5.0
127.5°	5.0	5.0	3.6	2.1	2.1	1.4	1.4	2.1	2.8	4.4	5.0
130°	5.0	5.0	3.6	2.1	2.1	1.4	1.4	1.4	2.8	4.4	4.4
132.5°	4.4	4.4	2.8	1.4	1.4	1.4	1.4	1.4	2.1	3.6	3.6
135°	3.6	3.6	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
137.5°	3.6	3.6	2.8	2.1	1.4	1.4	1.4	1.4	1.4	2.1	2.1
140°	3.6	3.6	2.8	2.1	1.4	1.4	1.4	1.4	2.1	2.1	2.1
142.5°	3.6	3.6	2.8	2.1	1.4	1.4	1.4	1.4	2.1	2.1	2.1
145°	3.6	3.6	2.8	2.1	1.4	1.4	1.4	2.1	2.1	2.8	2.8
147.5°	3.6	3.6	2.8	2.1	1.4	0.8	1.4	2.1	2.8	2.8	2.8
150°	3.6	3.6	2.8	1.4	0.8	0.0	0.8	1.4	2.1	2.8	2.8
152.5°	2.8	2.8	2.1	0.8	0.8	0.0	0.0	0.8	2.1	2.1	2.1
155°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)