

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: P799855

Luminaire Tested: **ARCH2-60-722-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7808 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

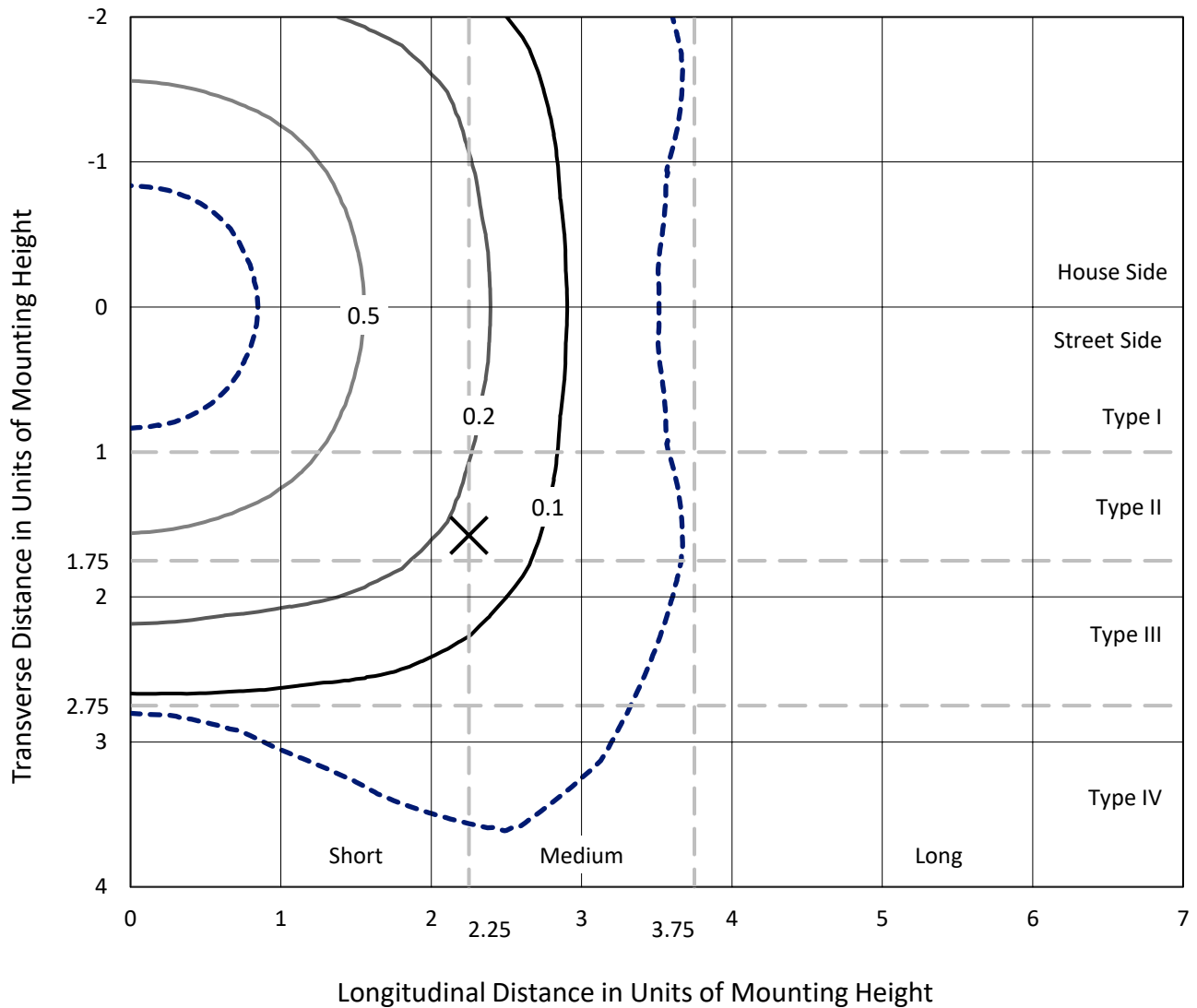
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

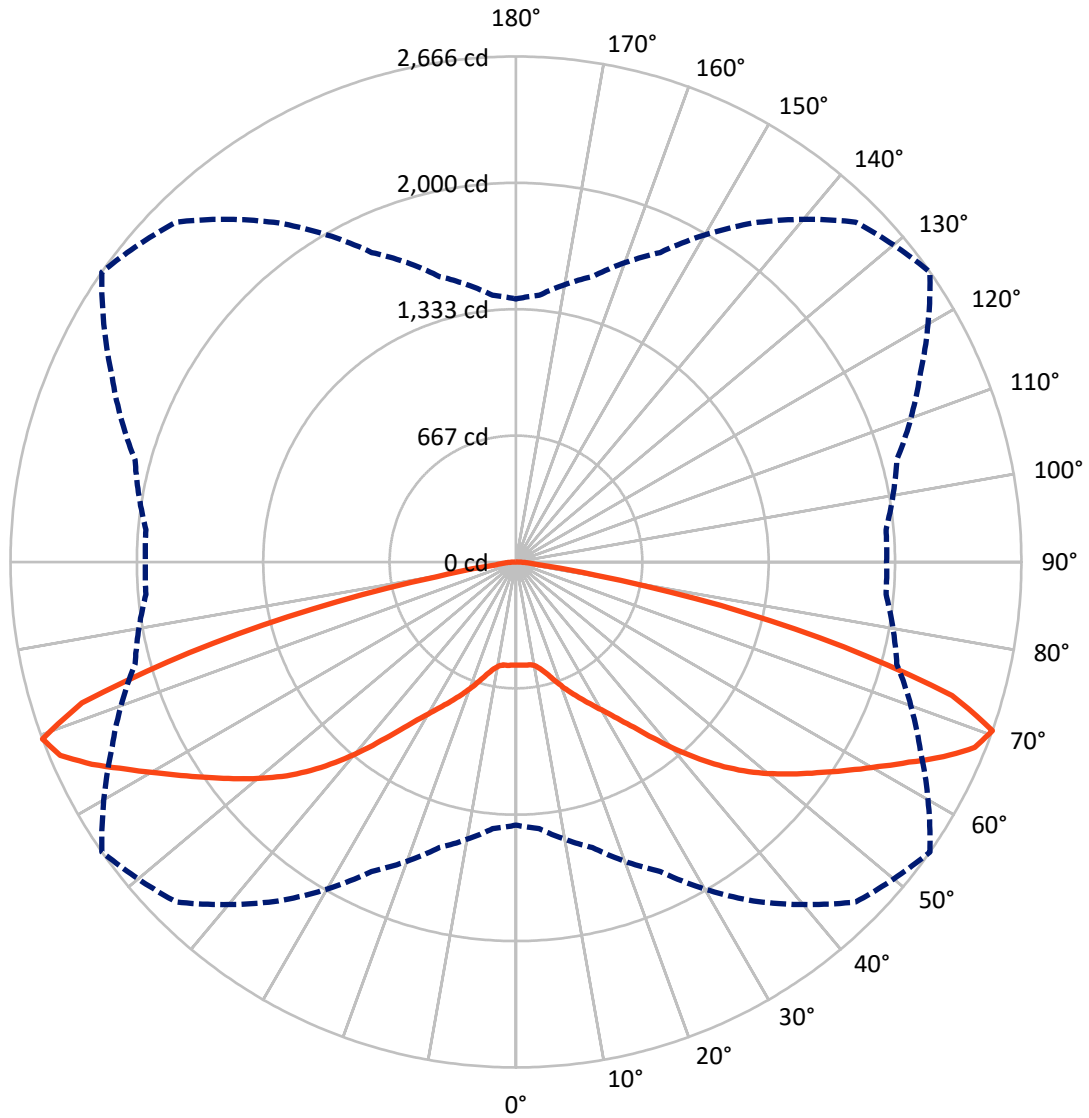
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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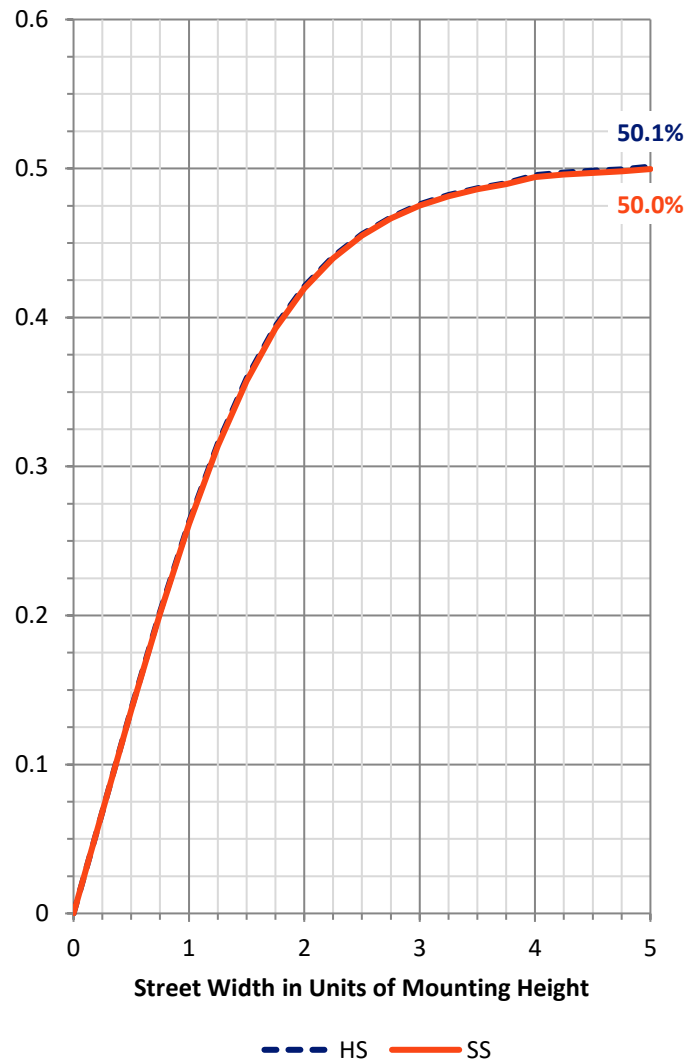
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3904.0	0.0	3904.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3904.0	0.0	3904.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7808.0	0.0	7808.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	0.7
10°-20°	178.8	2.3
20°-30°	371.6	4.8
30°-40°	686.3	8.8
40°-50°	1205.7	15.4
50°-60°	1738.9	22.3
60°-70°	2128.2	27.3
70°-80°	1354.2	17.3
80°-90°	91.6	1.2
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°	7808.0	100.0
0°-180°	7808.0	100.0



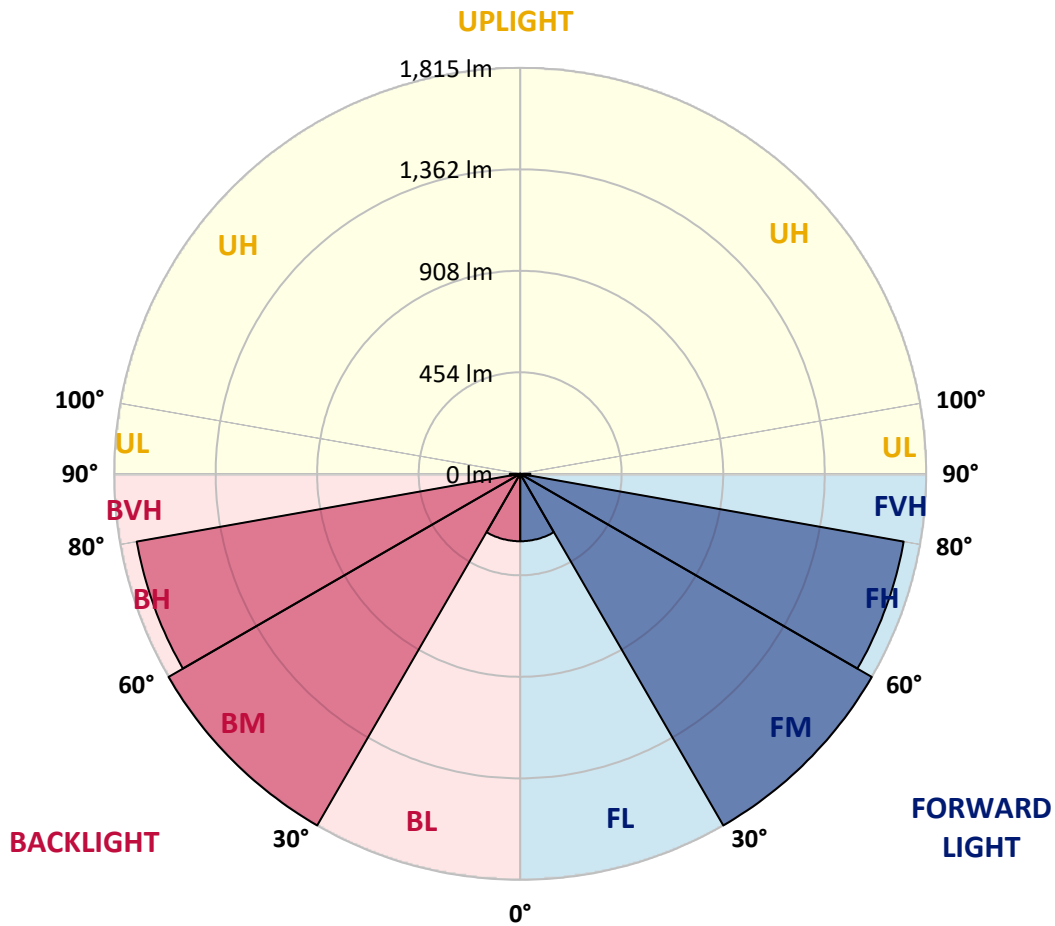
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.5	3.9			
FM (30°-60°)	1815.5	23.3			
FH (60°-80°)	1741.2	22.3			G1/1800
FVH (80°-90°)	45.8	0.6			G1/100
BL (0°-30°)	301.5	3.9	B1/500		
BM (30°-60°)	1815.5	23.3	B2/2500		
BH (60°-80°)	1741.2	22.3	B3/2500		G1/1800
BVH (80°-90°)	45.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	551.5	551.5	550.1	550.1	547.2	545.7	544.3	544.3	542.8	542.8	541.4
5°	554.5	554.5	554.5	553.0	551.5	550.1	547.2	544.3	542.8	541.4	539.9
7.5°	555.9	555.9	554.5	554.5	553.0	551.5	547.2	542.8	541.4	539.9	539.9
10°	567.5	566.1	564.6	561.7	561.7	561.7	555.9	551.5	550.1	550.1	550.1
12.5°	595.1	593.6	590.7	586.4	586.4	587.8	579.1	573.3	573.3	571.9	571.9
15°	635.7	634.3	631.4	624.1	622.7	625.6	612.5	606.7	606.7	606.7	605.3
17.5°	680.7	677.8	673.5	667.7	667.7	667.7	654.6	647.3	643.0	643.0	641.5
20°	718.5	717.0	717.0	715.6	719.9	719.9	702.5	690.9	680.7	674.9	673.5
22.5°	751.8	750.4	753.3	759.1	767.8	770.7	750.4	733.0	717.0	705.4	702.5
25°	796.8	795.4	793.9	802.6	817.2	821.5	799.7	778.0	762.0	756.2	753.3
27.5°	844.7	846.2	847.6	856.4	868.0	875.2	853.4	833.1	820.1	811.4	808.5
30°	898.4	901.3	905.7	918.8	927.5	930.4	911.5	897.0	885.4	878.1	873.8
32.5°	966.7	972.5	978.3	989.9	994.2	991.3	982.6	972.5	963.8	953.6	952.1
35°	1068.3	1074.1	1072.6	1077.0	1078.4	1075.5	1071.2	1065.4	1061.0	1047.9	1046.5
37.5°	1196.0	1201.8	1193.1	1188.7	1178.6	1180.0	1178.6	1182.9	1184.4	1171.3	1169.9
40°	1325.2	1331.0	1319.4	1307.8	1297.6	1293.2	1300.5	1315.0	1315.0	1306.3	1306.3
42.5°	1463.1	1467.4	1448.5	1434.0	1421.0	1418.1	1422.4	1439.8	1444.2	1442.7	1442.7
45°	1600.9	1598.0	1573.4	1558.9	1547.2	1540.0	1541.4	1554.5	1563.2	1567.6	1567.6
47.5°	1706.9	1702.5	1682.2	1670.6	1663.4	1653.2	1653.2	1660.5	1664.8	1666.3	1666.3
50°	1791.1	1786.7	1766.4	1765.0	1765.0	1760.6	1756.2	1754.8	1751.9	1753.3	1753.3
52.5°	1863.7	1857.8	1843.3	1846.2	1859.3	1862.2	1856.4	1844.8	1833.2	1828.8	1830.3
55°	1942.0	1933.3	1921.7	1930.4	1956.5	1968.2	1959.4	1936.2	1915.9	1902.8	1902.8
57.5°	2004.4	1994.3	1994.3	2019.0	2066.9	2090.1	2071.2	2027.7	1992.8	1978.3	1979.8
60°	1960.9	1952.2	1987.0	2095.9	2185.9	2225.1	2193.1	2116.2	2059.6	2042.2	2045.1
62.5°	1875.3	1869.5	1913.0	2081.4	2293.3	2374.6	2326.7	2216.4	2132.2	2111.9	2111.9
65°	1749.0	1747.5	1808.5	2016.1	2318.0	2518.3	2477.6	2325.2	2216.4	2188.8	2194.6
67.5°	1618.4	1618.4	1673.5	1904.3	2288.9	2579.2	2611.1	2423.9	2257.0	2188.8	2190.2
70°	1387.6	1412.3	1558.9	1801.2	2183.0	2535.7	2666.3	2354.2	2079.9	1959.4	1955.1
72.5°	914.4	946.3	1238.1	1621.3	2078.5	2377.5	2406.5	2068.3	1727.2	1586.4	1579.2
75°	551.5	579.1	802.6	1265.7	1827.4	1914.5	1786.7	1621.3	1290.3	1180.0	1180.0
77.5°	162.6	181.4	370.1	802.6	1264.2	1258.4	1101.6	955.0	763.5	648.8	657.5
80°	95.8	98.7	120.5	365.8	524.0	551.5	425.3	265.6	265.6	197.4	191.6
82.5°	74.0	74.0	76.9	91.4	126.3	140.8	107.4	91.4	104.5	88.5	84.2
85°	52.3	52.3	52.3	53.7	55.2	56.6	59.5	61.0	66.8	55.2	52.3
87.5°	16.0	17.4	18.9	21.8	26.1	27.6	29.0	26.1	26.1	24.7	23.2
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)