

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: P799119

Luminaire Tested: **ARCH1-60-730-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799119
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: ARCH1-60-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7097 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G1

Input Watts (W): 60
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



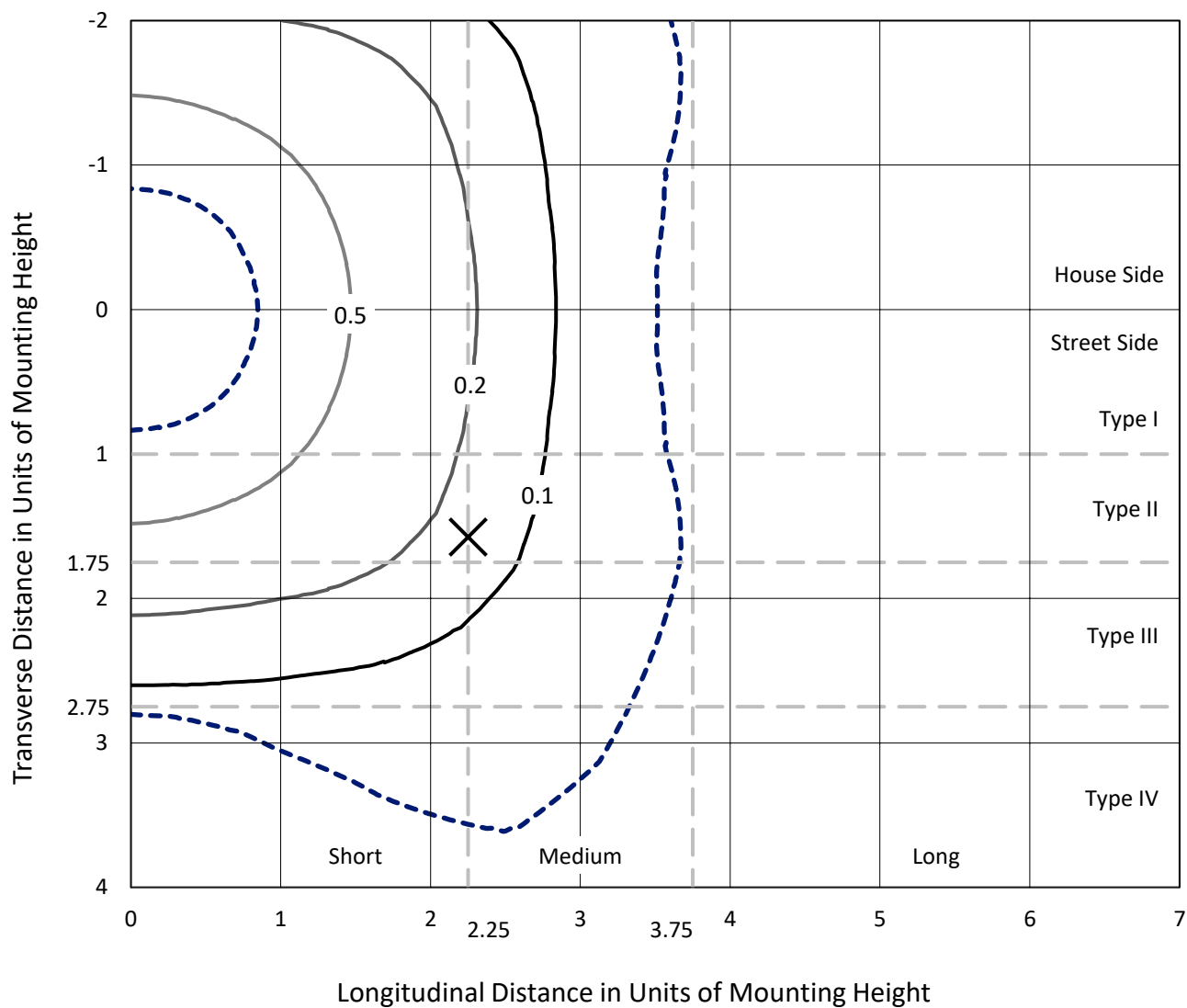
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Iso-Footcandle Lines of Horizontal Illumination

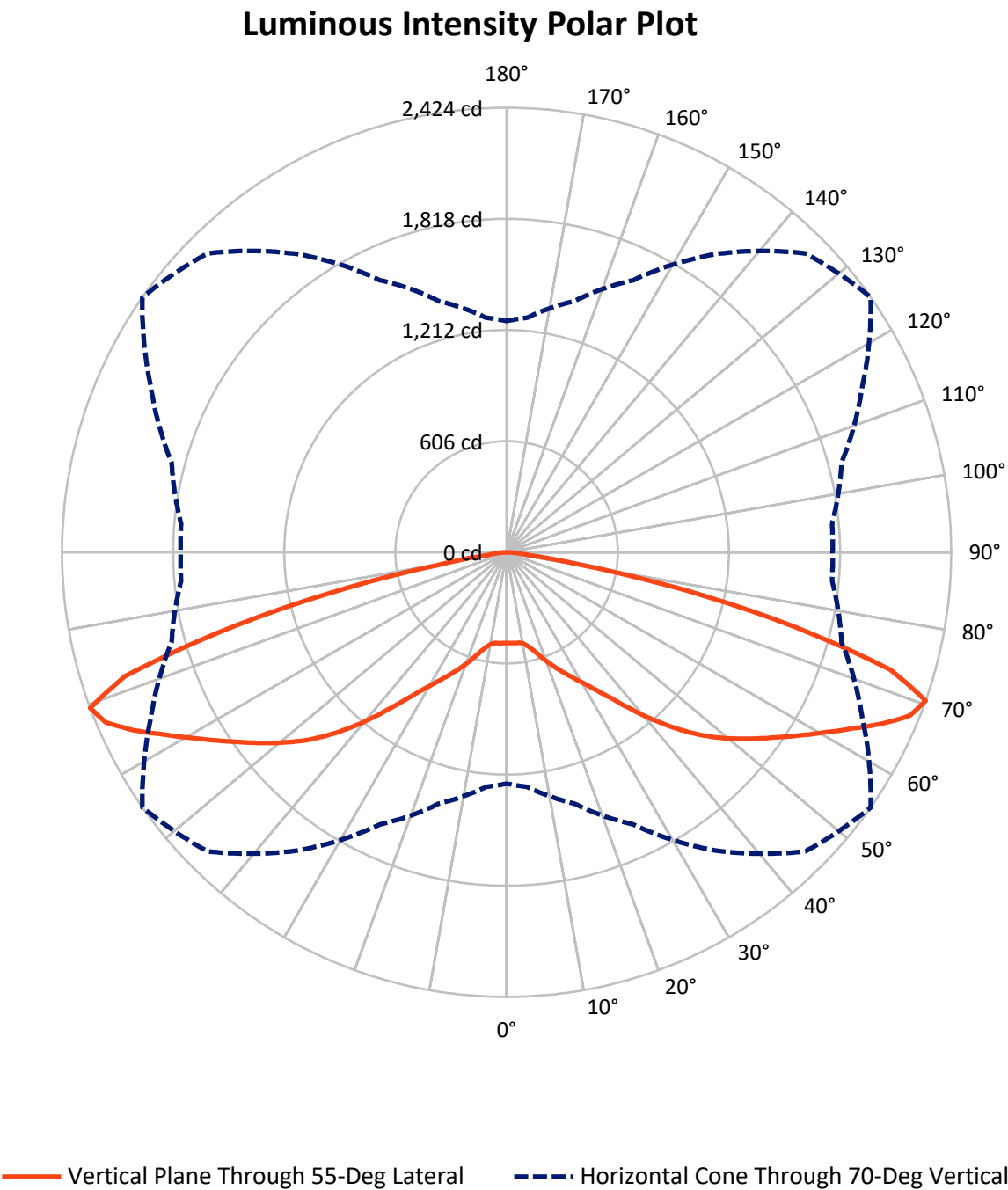
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Medium - N/A

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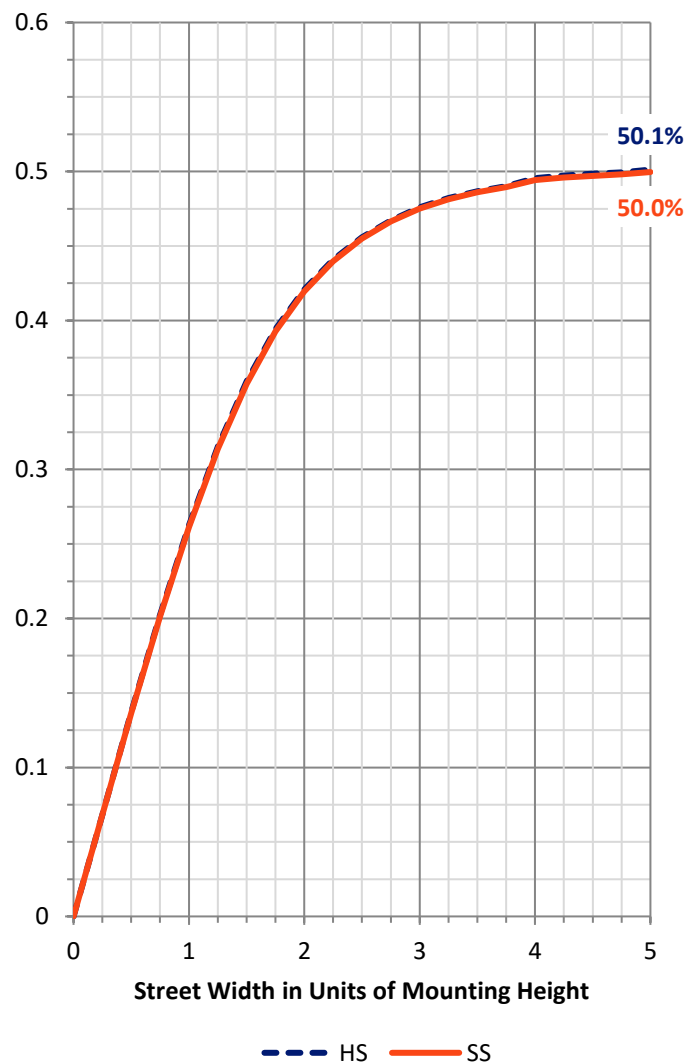
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3548.5	0.0	3548.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3548.5	0.0	3548.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7097.0	0.0	7097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	0.7
10°-20°	162.6	2.3
20°-30°	337.8	4.8
30°-40°	623.8	8.8
40°-50°	1095.9	15.4
50°-60°	1580.6	22.3
60°-70°	1934.4	27.3
70°-80°	1230.9	17.3
80°-90°	83.3	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°	7097.0	100.0
0°-180°	7097.0	100.0

Coefficient of Utilization



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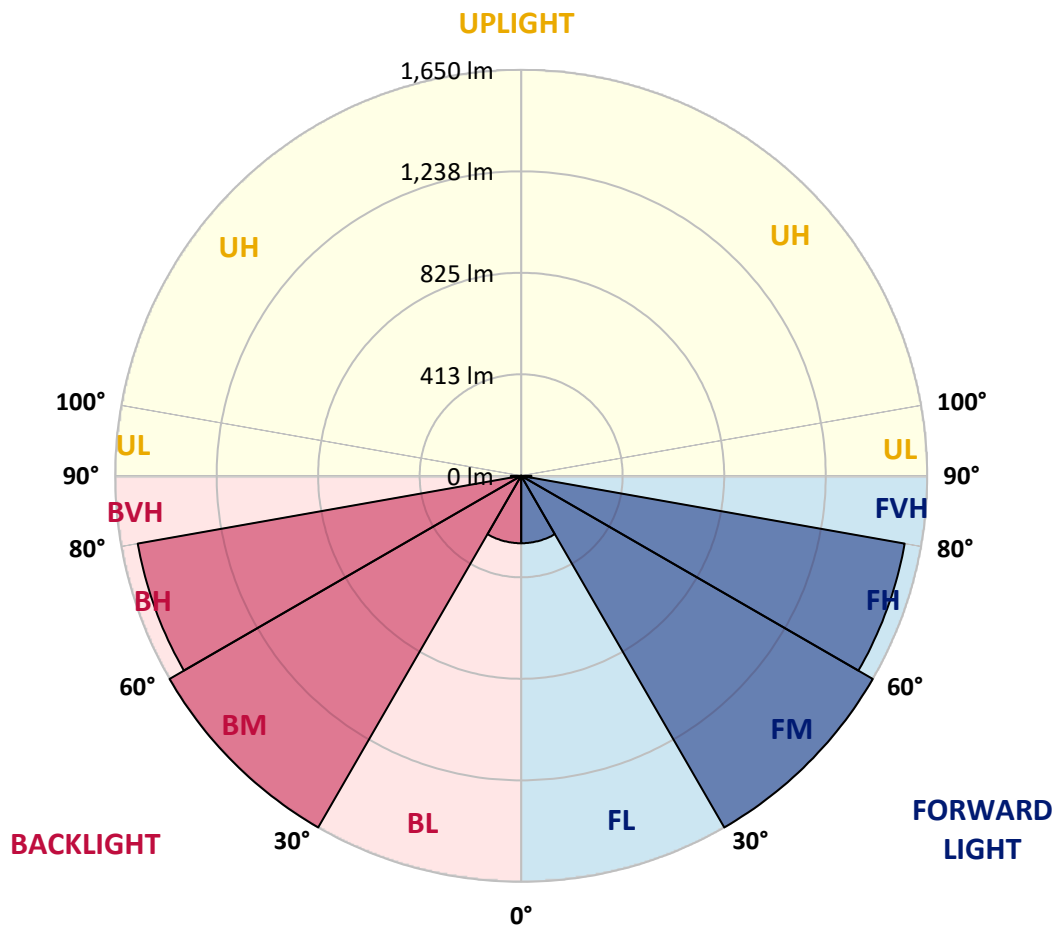
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.0	3.9			
FM	(30°-60°)	1650.1	23.3			
FH	(60°-80°)	1582.7	22.3			G1/1800
FVH	(80°-90°)	41.6	0.6			G1/100
BL	(0°-30°)	274.0	3.9	B1/500		
BM	(30°-60°)	1650.1	23.3	B2/2500		
BH	(60°-80°)	1582.7	22.3	B3/2500		G1/1800
BVH	(80°-90°)	41.6	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°	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7	494.7
2.5°	501.3	501.3	500.0	500.0	497.4	496.0	494.7	494.7	493.4	493.4	492.1
5°	504.0	504.0	504.0	502.6	501.3	500.0	497.4	494.7	493.4	492.1	490.8
7.5°	505.3	505.3	504.0	504.0	502.6	501.3	497.4	493.4	492.1	490.8	490.8
10°	515.8	514.5	513.2	510.6	510.6	510.6	505.3	501.3	500.0	500.0	500.0
12.5°	540.9	539.6	536.9	533.0	533.0	534.3	526.4	521.1	521.1	519.8	519.8
15°	577.8	576.5	573.9	567.3	566.0	568.6	556.7	551.5	551.5	551.5	550.1
17.5°	618.7	616.1	612.1	606.9	606.9	606.9	595.0	588.4	584.4	584.4	583.1
20°	653.0	651.7	651.7	650.4	654.4	654.4	638.5	628.0	618.7	613.5	612.1
22.5°	683.4	682.1	684.7	690.0	697.9	700.5	682.1	666.2	651.7	641.2	638.5
25°	724.3	723.0	721.6	729.6	742.8	746.7	726.9	707.1	692.6	687.3	684.7
27.5°	767.8	769.1	770.5	778.4	788.9	795.5	775.7	757.3	745.4	737.5	734.8
30°	816.6	819.3	823.2	835.1	843.0	845.7	828.5	815.3	804.8	798.2	794.2
32.5°	878.6	883.9	889.2	899.7	903.7	901.1	893.1	883.9	876.0	866.8	865.4
35°	971.0	976.3	974.9	978.9	980.2	977.6	973.6	968.3	964.4	952.5	951.2
37.5°	1087.1	1092.4	1084.4	1080.5	1071.3	1072.6	1071.3	1075.2	1076.5	1064.7	1063.3
40°	1204.5	1209.8	1199.2	1188.7	1179.4	1175.5	1182.1	1195.3	1195.3	1187.3	1187.3
42.5°	1329.8	1333.8	1316.6	1303.4	1291.6	1288.9	1292.9	1308.7	1312.7	1311.4	1311.4
45°	1455.2	1452.5	1430.1	1416.9	1406.3	1399.7	1401.1	1412.9	1420.9	1424.8	1424.8
47.5°	1551.5	1547.5	1529.0	1518.5	1511.9	1502.7	1502.7	1509.2	1513.2	1514.5	1514.5
50°	1628.0	1624.0	1605.6	1604.2	1604.2	1600.3	1596.3	1595.0	1592.4	1593.7	1593.7
52.5°	1693.9	1688.7	1675.5	1678.1	1690.0	1692.6	1687.4	1676.8	1666.2	1662.3	1663.6
55°	1765.2	1757.3	1746.7	1754.6	1778.4	1788.9	1781.0	1759.9	1741.4	1729.6	1729.6
57.5°	1821.9	1812.7	1812.7	1835.1	1878.6	1899.8	1882.6	1843.0	1811.4	1798.2	1799.5
60°	1782.3	1774.4	1806.1	1905.0	1986.8	2022.4	1993.4	1923.5	1872.1	1856.2	1858.9
62.5°	1704.5	1699.2	1738.8	1891.8	2084.5	2158.3	2114.8	2014.5	1938.0	1919.5	1919.5
65°	1589.7	1588.4	1643.8	1832.5	2106.9	2288.9	2252.0	2113.5	2014.5	1989.5	1994.7
67.5°	1471.0	1471.0	1521.1	1730.9	2080.5	2344.4	2373.4	2203.2	2051.5	1989.5	1990.8
70°	1261.2	1283.7	1416.9	1637.2	1984.2	2304.8	2423.5	2139.9	1890.5	1781.0	1777.1
72.5°	831.1	860.2	1125.3	1473.6	1889.2	2161.0	2187.4	1880.0	1569.9	1442.0	1435.4
75°	501.3	526.4	729.6	1150.4	1661.0	1740.1	1624.0	1473.6	1172.8	1072.6	1072.6
77.5°	147.8	164.9	336.4	729.6	1149.1	1143.8	1001.3	868.1	693.9	589.7	597.6
80°	87.1	89.7	109.5	332.5	476.3	501.3	386.5	241.4	241.4	179.4	174.1
82.5°	67.3	67.3	69.9	83.1	114.8	128.0	97.6	83.1	95.0	80.5	76.5
85°	47.5	47.5	47.5	48.8	50.1	51.5	54.1	55.4	60.7	50.1	47.5
87.5°	14.5	15.8	17.2	19.8	23.7	25.1	26.4	23.7	23.7	22.4	21.1
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)