

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: P799167

Luminaire Tested: **ARCH1-60-750-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799167
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: ARCH1-60-750-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

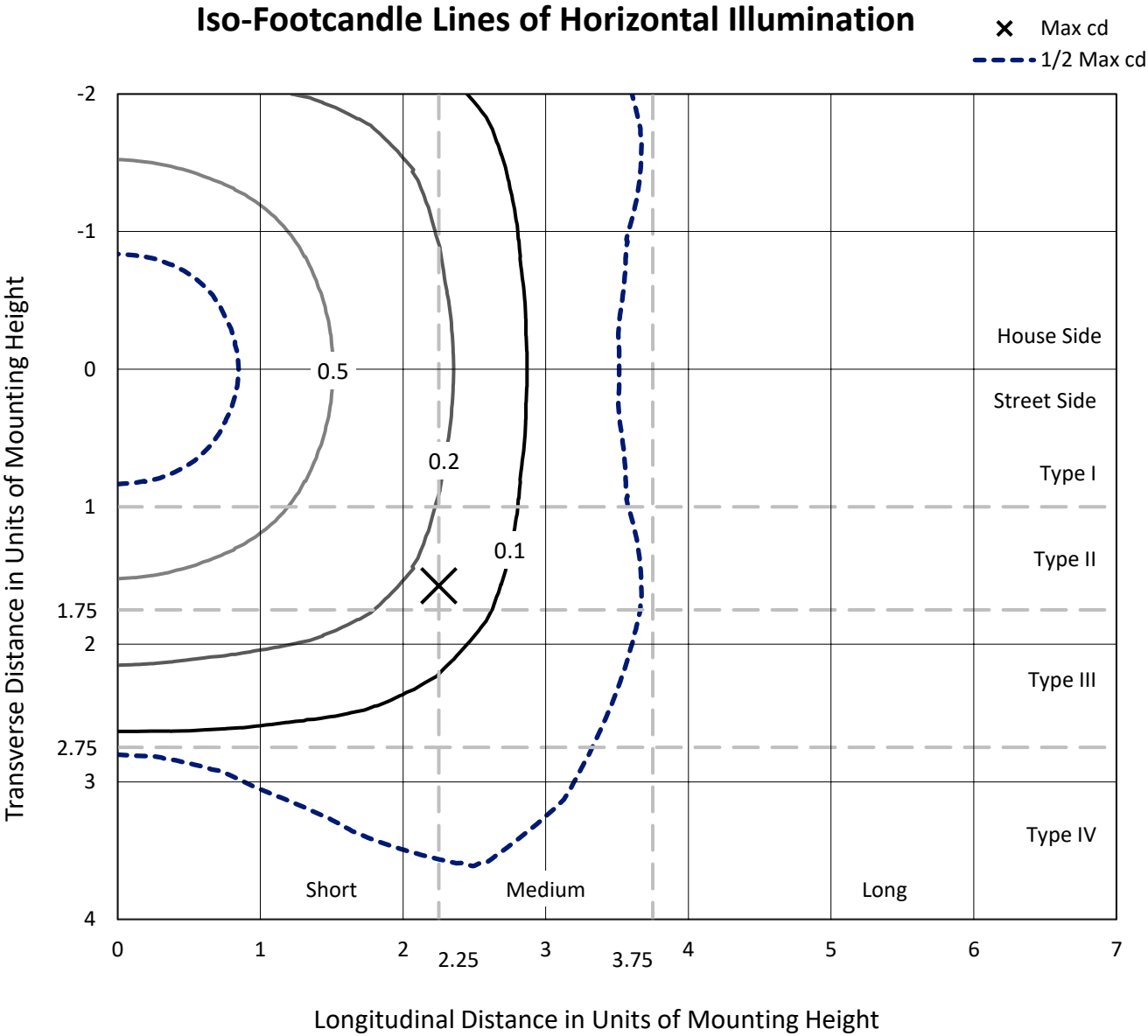
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7452 lumens
Efficiency: N/A
Efficacy: 124.2 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



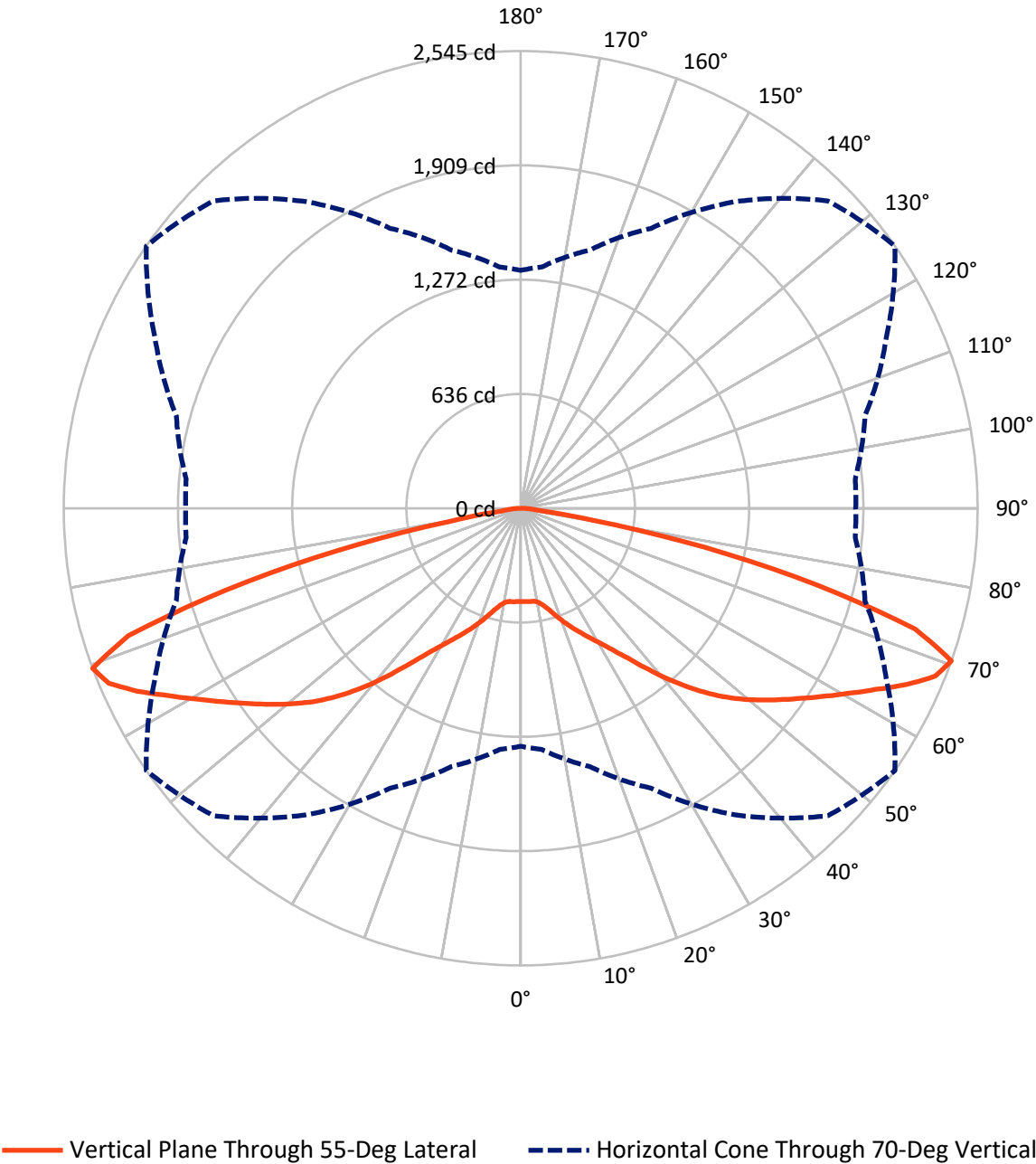
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Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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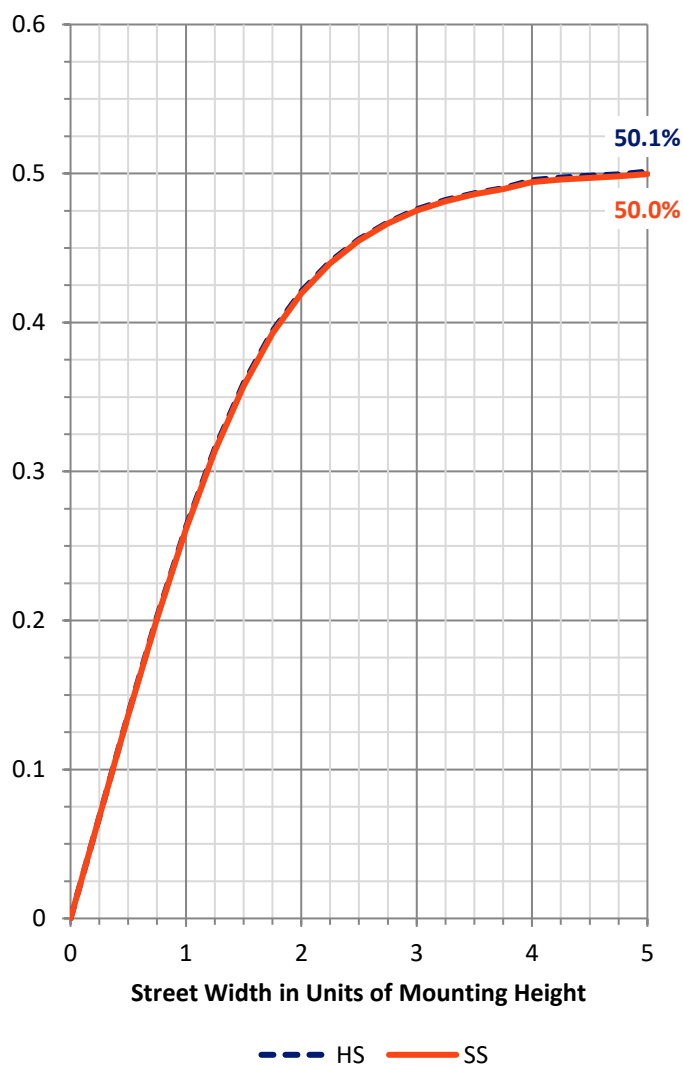
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3726.0	0.0	3726.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3726.0	0.0	3726.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7452.0	0.0	7452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	0.7
10°-20°	170.7	2.3
20°-30°	354.7	4.8
30°-40°	655.0	8.8
40°-50°	1150.7	15.4
50°-60°	1659.6	22.3
60°-70°	2031.2	27.3
70°-80°	1292.5	17.3
80°-90°	87.4	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°	7452.0	100.0
0°-180°	7452.0	100.0

Coefficient of Utilization



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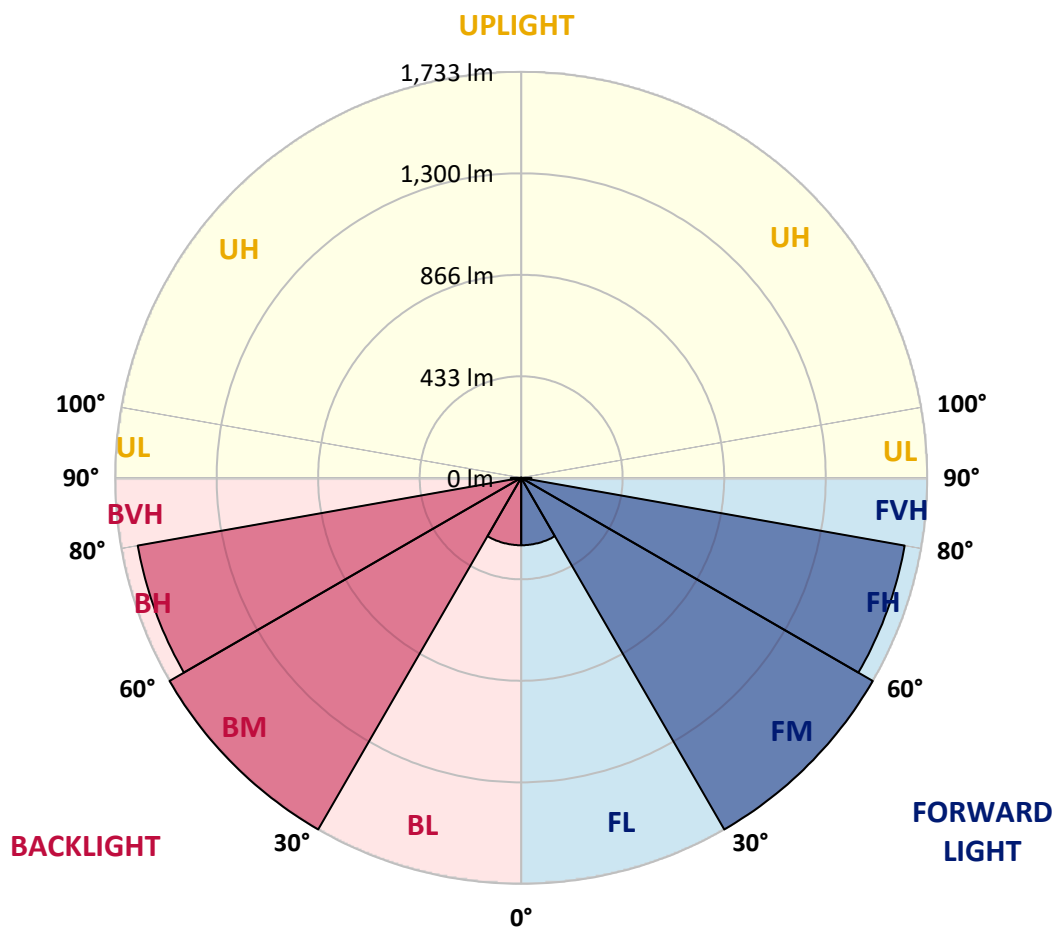
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.7	3.9			
FM	(30°-60°)	1732.7	23.3			
FH	(60°-80°)	1661.8	22.3			G1/1800
FVH	(80°-90°)	43.7	0.6			G1/100
BL	(0°-30°)	287.7	3.9	B1/500		
BM	(30°-60°)	1732.7	23.3	B2/2500		
BH	(60°-80°)	1661.8	22.3	B3/2500		G1/1800
BVH	(80°-90°)	43.7	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°	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5
2.5°	526.4	526.4	525.0	525.0	522.2	520.9	519.5	519.5	518.1	518.1	516.7
5°	529.2	529.2	529.2	527.8	526.4	525.0	522.2	519.5	518.1	516.7	515.3
7.5°	530.6	530.6	529.2	529.2	527.8	526.4	522.2	518.1	516.7	515.3	515.3
10°	541.6	540.3	538.9	536.1	536.1	536.1	530.6	526.4	525.0	525.0	525.0
12.5°	568.0	566.6	563.8	559.6	559.6	561.0	552.7	547.2	547.2	545.8	545.8
15°	606.7	605.4	602.6	595.7	594.3	597.0	584.6	579.0	579.0	579.0	577.7
17.5°	649.7	646.9	642.8	637.2	637.2	637.2	624.8	617.8	613.7	613.7	612.3
20°	685.7	684.3	684.3	682.9	687.1	687.1	670.5	659.4	649.7	644.1	642.8
22.5°	717.6	716.2	719.0	724.5	732.8	735.6	716.2	699.6	684.3	673.2	670.5
25°	760.5	759.1	757.7	766.1	779.9	784.1	763.3	742.5	727.3	721.7	719.0
27.5°	806.2	807.6	809.0	817.3	828.4	835.3	814.5	795.1	782.7	774.4	771.6
30°	857.5	860.3	864.4	876.9	885.2	888.0	869.9	856.1	845.0	838.1	833.9
32.5°	922.6	928.1	933.7	944.8	948.9	946.1	937.8	928.1	919.8	910.1	908.7
35°	1019.6	1025.1	1023.7	1027.9	1029.3	1026.5	1022.3	1016.8	1012.6	1000.2	998.8
37.5°	1141.5	1147.0	1138.7	1134.5	1124.8	1126.2	1124.8	1129.0	1130.4	1117.9	1116.5
40°	1264.7	1270.3	1259.2	1248.1	1238.4	1234.3	1241.2	1255.1	1255.1	1246.7	1246.7
42.5°	1396.3	1400.5	1382.5	1368.6	1356.2	1353.4	1357.6	1374.2	1378.3	1377.0	1377.0
45°	1527.9	1525.2	1501.6	1487.8	1476.7	1469.8	1471.2	1483.6	1491.9	1496.1	1496.1
47.5°	1629.1	1624.9	1605.5	1594.4	1587.5	1577.8	1577.8	1584.7	1588.9	1590.3	1590.3
50°	1709.4	1705.3	1685.9	1684.5	1684.5	1680.3	1676.2	1674.8	1672.0	1673.4	1673.4
52.5°	1778.7	1773.1	1759.3	1762.1	1774.5	1777.3	1771.8	1760.7	1749.6	1745.4	1746.8
55°	1853.5	1845.2	1834.1	1842.4	1867.3	1878.4	1870.1	1847.9	1828.6	1816.1	1816.1
57.5°	1913.1	1903.4	1903.4	1926.9	1972.6	1994.8	1976.8	1935.2	1902.0	1888.1	1889.5
60°	1871.5	1863.2	1896.4	2000.3	2086.2	2123.6	2093.1	2019.7	1965.7	1949.1	1951.8
62.5°	1789.8	1784.2	1825.8	1986.5	2188.7	2266.3	2220.6	2115.3	2035.0	2015.6	2015.6
65°	1669.2	1667.9	1726.0	1924.1	2212.3	2403.4	2364.6	2219.2	2115.3	2089.0	2094.5
67.5°	1544.6	1544.6	1597.2	1817.5	2184.6	2461.6	2492.1	2313.4	2154.1	2089.0	2090.4
70°	1324.3	1347.9	1487.8	1719.1	2083.4	2420.1	2544.7	2246.9	1985.1	1870.1	1866.0
72.5°	872.7	903.2	1181.6	1547.3	1983.7	2269.1	2296.8	1974.0	1648.5	1514.1	1507.2
75°	526.4	552.7	766.1	1208.0	1744.0	1827.2	1705.3	1547.3	1231.5	1126.2	1126.2
77.5°	155.1	173.2	353.2	766.1	1206.6	1201.0	1051.4	911.5	728.6	619.2	627.5
80°	91.4	94.2	115.0	349.1	500.1	526.4	405.9	253.5	253.5	188.4	182.9
82.5°	70.6	70.6	73.4	87.3	120.5	134.4	102.5	87.3	99.7	84.5	80.3
85°	49.9	49.9	49.9	51.3	52.6	54.0	56.8	58.2	63.7	52.6	49.9
87.5°	15.2	16.6	18.0	20.8	24.9	26.3	27.7	24.9	24.9	23.5	22.2
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)