

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: P836665

Luminaire Tested: **ARCH3-60-722-U-5WQ**

Issue Date: 5/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P836665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH3-60-722-U-5WQ  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

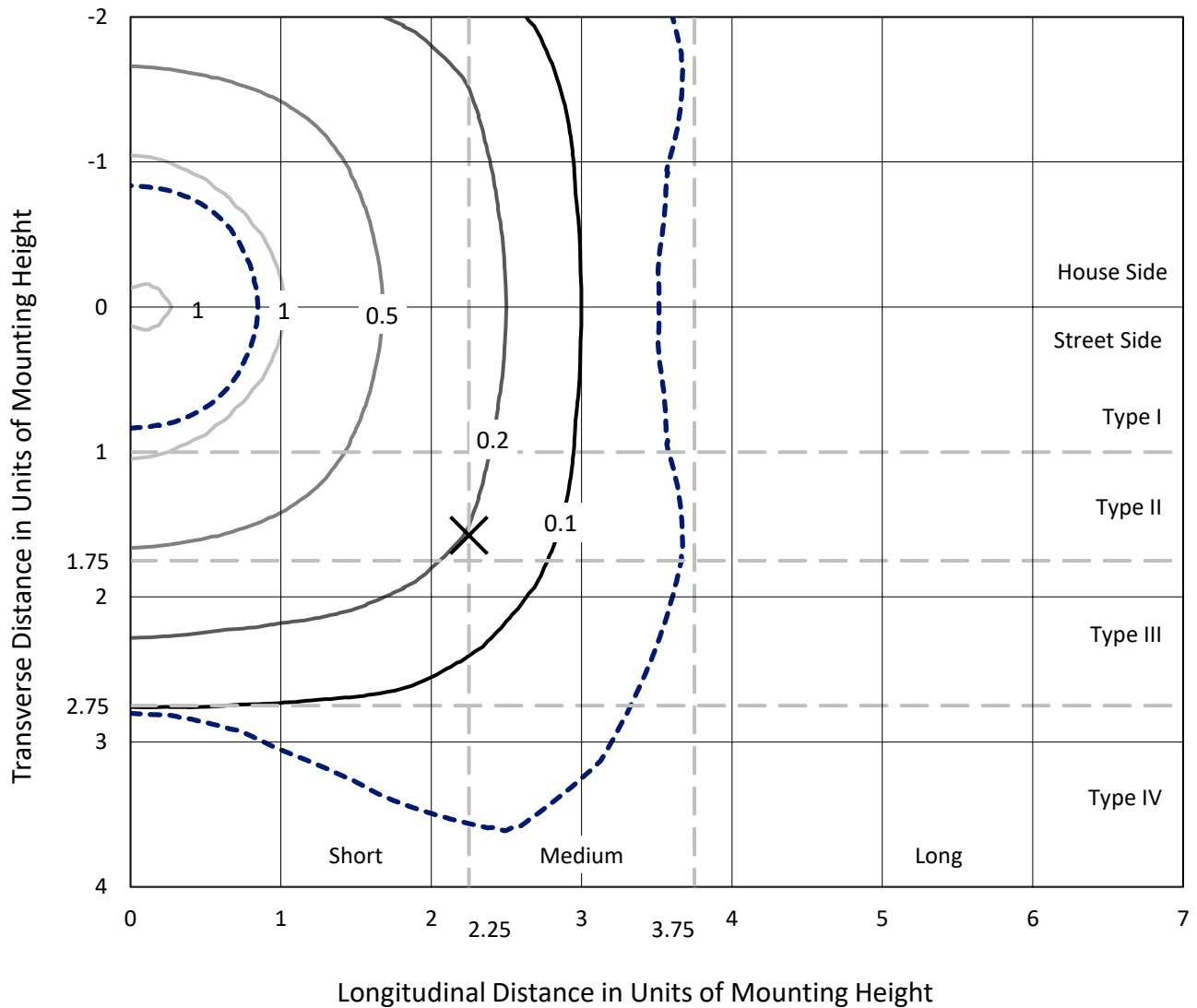
Lumens per Lamp: N/A  
Luminaire Lumens: 8964 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')  
IES Classification: Type V - Medium  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): NR  
Input Current (Ain): 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

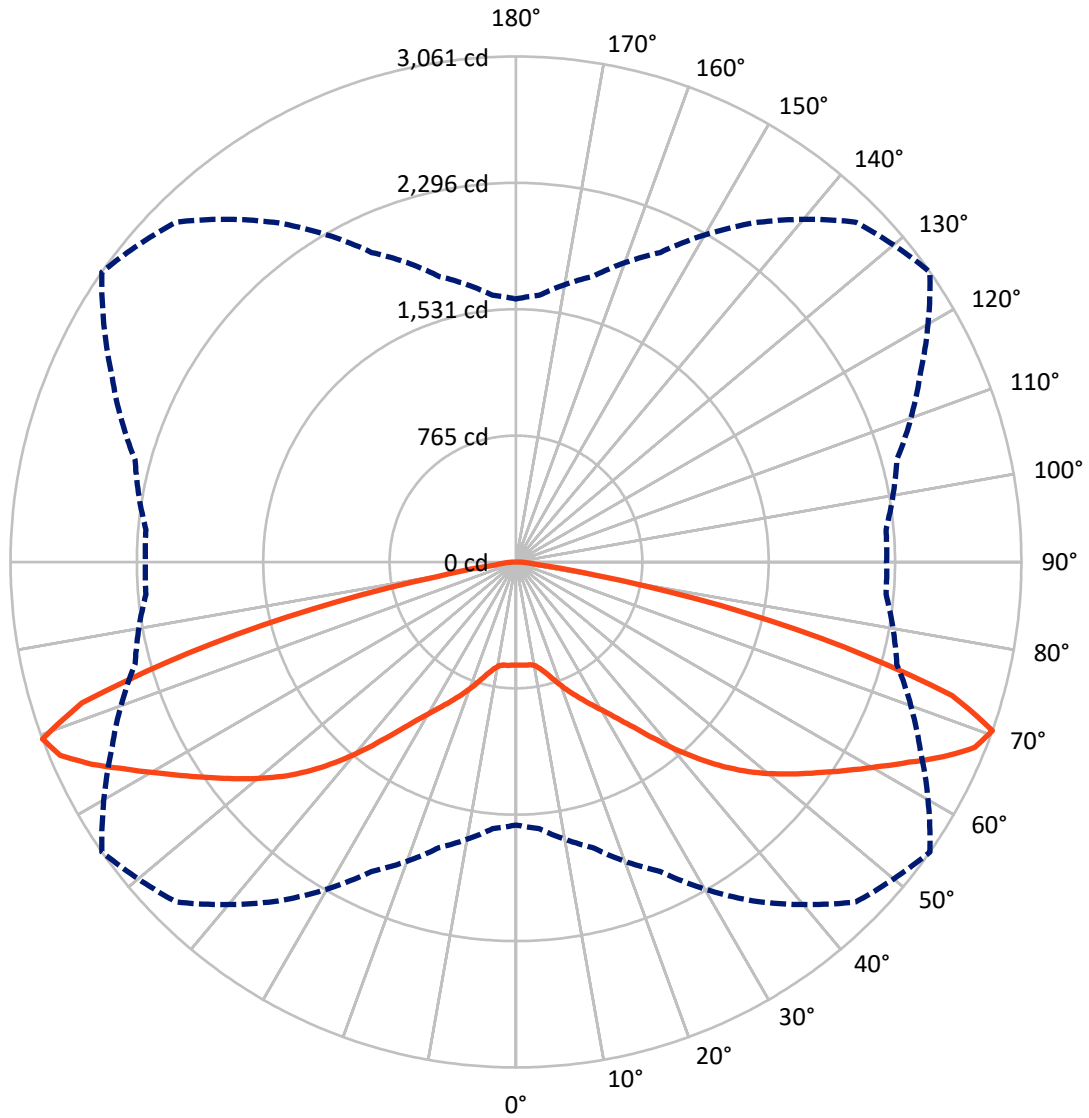
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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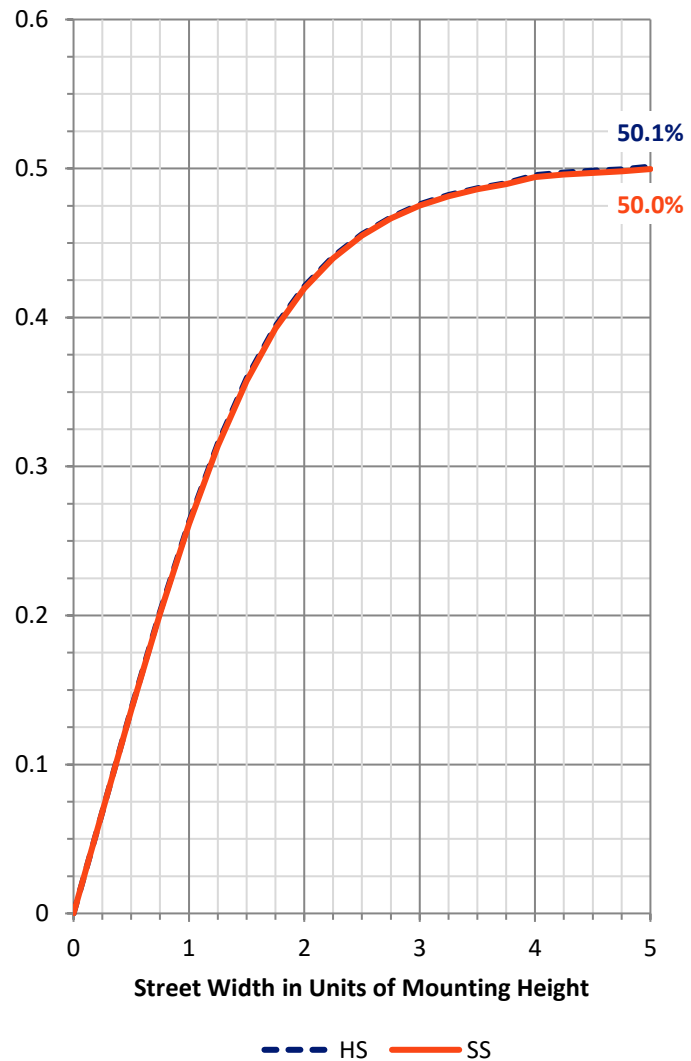
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4482.0	0.0	4482.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4482.0	0.0	4482.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8964.0	0.0	8964.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	0.7
10°-20°	205.3	2.3
20°-30°	426.6	4.8
30°-40°	787.9	8.8
40°-50°	1384.2	15.4
50°-60°	1996.4	22.3
60°-70°	2443.3	27.3
70°-80°	1554.7	17.3
80°-90°	105.2	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°	8964.0	100.0
0°-180°	8964.0	100.0

**Coefficient of Utilization**



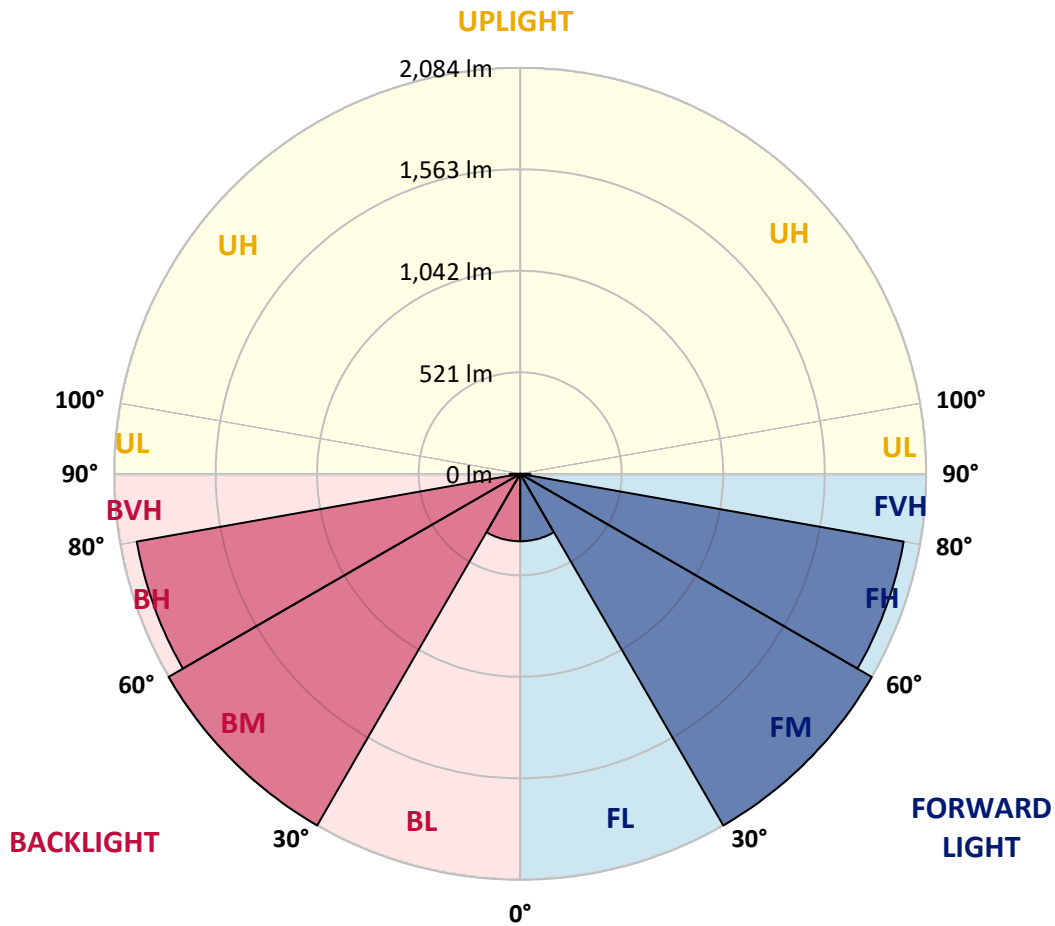
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.1	3.9			
FM (30°-60°)	2084.2	23.3			
FH (60°-80°)	1999.0	22.3			G2/5000
FVH (80°-90°)	52.6	0.6			G1/100
BL (0°-30°)	346.1	3.9	B1/500		
BM (30°-60°)	2084.2	23.3	B2/2500		
BH (60°-80°)	1999.0	22.3	B3/2500		G2/5000
BVH (80°-90°)	52.6	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-G2**

Type V Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	624.9	624.9	624.9	624.9	624.9	624.9	624.9	624.9	624.9	624.9	624.9
2.5°	633.2	633.2	631.5	631.5	628.2	626.5	624.9	624.9	623.2	623.2	621.5
5°	636.5	636.5	636.5	634.9	633.2	631.5	628.2	624.9	623.2	621.5	619.9
7.5°	638.2	638.2	636.5	636.5	634.9	633.2	628.2	623.2	621.5	619.9	619.9
10°	651.5	649.9	648.2	644.9	644.9	644.9	638.2	633.2	631.5	631.5	631.5
12.5°	683.2	681.5	678.2	673.2	673.2	674.9	664.9	658.2	658.2	656.5	656.5
15°	729.9	728.2	724.9	716.5	714.9	718.2	703.2	696.5	696.5	696.5	694.9
17.5°	781.5	778.2	773.2	766.5	766.5	766.5	751.5	743.2	738.2	738.2	736.5
20°	824.8	823.2	823.2	821.5	826.5	826.5	806.5	793.2	781.5	774.8	773.2
22.5°	863.2	861.5	864.8	871.5	881.5	884.8	861.5	841.5	823.2	809.8	806.5
25°	914.8	913.2	911.5	921.5	938.1	943.1	918.2	893.2	874.8	868.2	864.8
27.5°	969.8	971.5	973.1	983.1	996.5	1004.8	979.8	956.5	941.5	931.5	928.1
30°	1031.5	1034.8	1039.8	1054.8	1064.8	1068.1	1046.5	1029.8	1016.5	1008.1	1003.1
32.5°	1109.8	1116.4	1123.1	1136.4	1141.4	1138.1	1128.1	1116.4	1106.4	1094.8	1093.1
35°	1226.4	1233.1	1231.4	1236.4	1238.1	1234.8	1229.8	1223.1	1218.1	1203.1	1201.4
37.5°	1373.1	1379.7	1369.7	1364.7	1353.1	1354.7	1353.1	1358.1	1359.7	1344.7	1343.1
40°	1521.4	1528.0	1514.7	1501.4	1489.7	1484.7	1493.0	1509.7	1509.7	1499.7	1499.7
42.5°	1679.7	1684.7	1663.0	1646.3	1631.3	1628.0	1633.0	1653.0	1658.0	1656.3	1656.3
45°	1838.0	1834.6	1806.3	1789.6	1776.3	1768.0	1769.6	1784.6	1794.6	1799.6	1799.6
47.5°	1959.6	1954.6	1931.3	1918.0	1909.6	1898.0	1898.0	1906.3	1911.3	1913.0	1913.0
50°	2056.3	2051.3	2027.9	2026.3	2026.3	2021.3	2016.3	2014.6	2011.3	2012.9	2012.9
52.5°	2139.6	2132.9	2116.2	2119.6	2134.6	2137.9	2131.2	2117.9	2104.6	2099.6	2101.2
55°	2229.6	2219.6	2206.2	2216.2	2246.2	2259.5	2249.6	2222.9	2199.6	2184.6	2184.6
57.5°	2301.2	2289.5	2289.5	2317.9	2372.9	2399.5	2377.9	2327.9	2287.9	2271.2	2272.9
60°	2251.2	2241.2	2281.2	2406.2	2509.5	2554.5	2517.8	2429.5	2364.5	2344.5	2347.9
62.5°	2152.9	2146.2	2196.2	2389.5	2632.8	2726.1	2671.1	2544.5	2447.8	2424.5	2424.5
65°	2007.9	2006.3	2076.3	2314.5	2661.1	2891.1	2844.4	2669.5	2544.5	2512.8	2519.5
67.5°	1858.0	1858.0	1921.3	2186.2	2627.8	2961.1	2997.7	2782.8	2591.1	2512.8	2514.5
70°	1593.0	1621.3	1789.6	2067.9	2506.2	2911.1	3061.1	2702.8	2387.9	2249.6	2244.6
72.5°	1049.8	1086.4	1421.4	1861.3	2386.2	2729.5	2762.8	2374.5	1982.9	1821.3	1813.0
75°	633.2	664.9	921.5	1453.0	2097.9	2197.9	2051.3	1861.3	1481.4	1354.7	1354.7
77.5°	186.6	208.3	424.9	921.5	1451.4	1444.7	1264.7	1096.4	876.5	744.9	754.8
80°	110.0	113.3	138.3	419.9	601.5	633.2	488.2	304.9	304.9	226.6	220.0
82.5°	85.0	85.0	88.3	105.0	145.0	161.6	123.3	105.0	120.0	101.6	96.6
85°	60.0	60.0	60.0	61.7	63.3	65.0	68.3	70.0	76.7	63.3	60.0
87.5°	18.3	20.0	21.7	25.0	30.0	31.7	33.3	30.0	30.0	28.3	26.7
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)