

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: P800015

Luminaire Tested: **ARCH2-70-730-U-5WQ**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P800015
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: ARCH2-70-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9995 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B3 - U0 - G2

Input Watts (W): 73.6
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



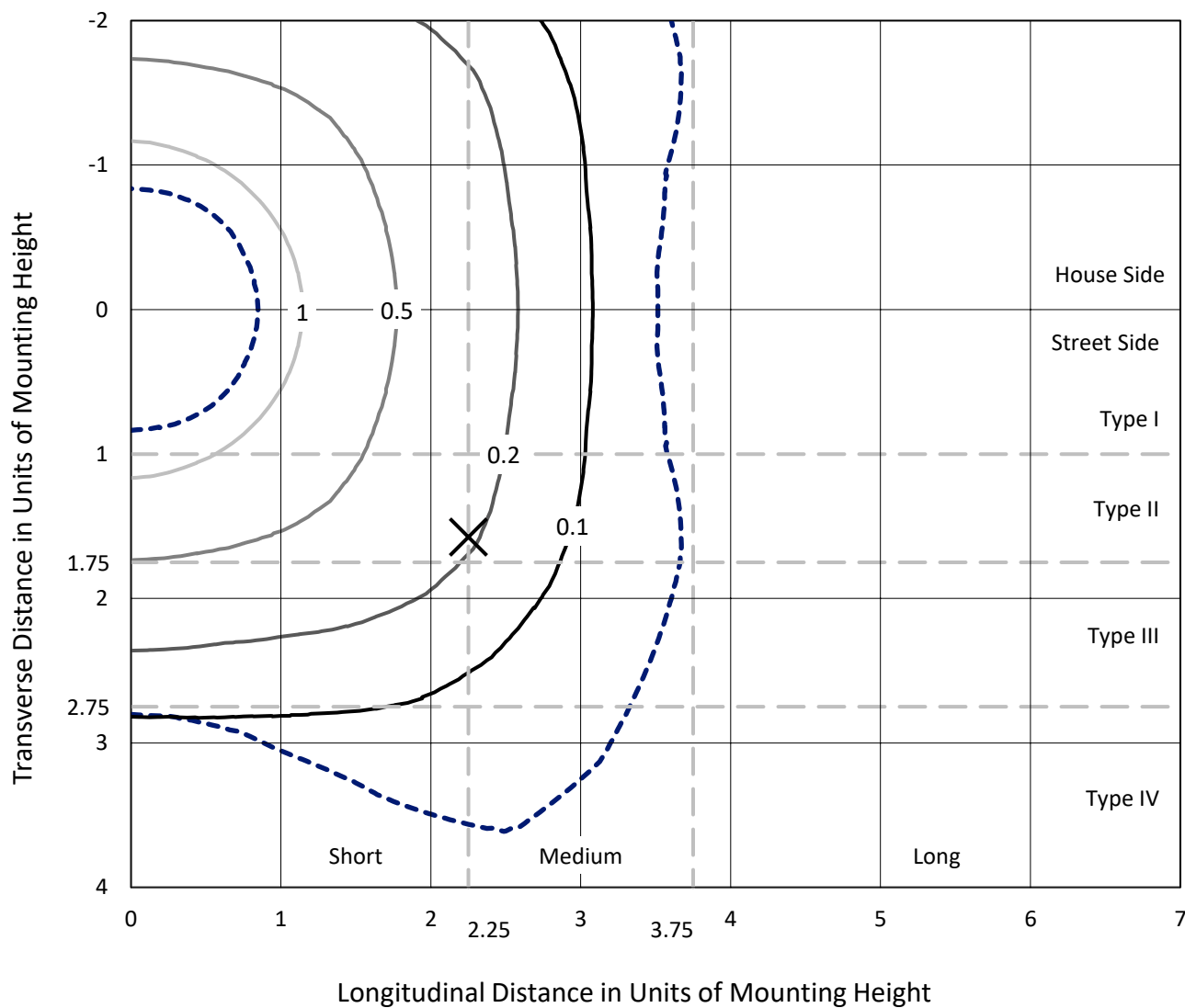
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Iso-Footcandle Lines of Horizontal Illumination

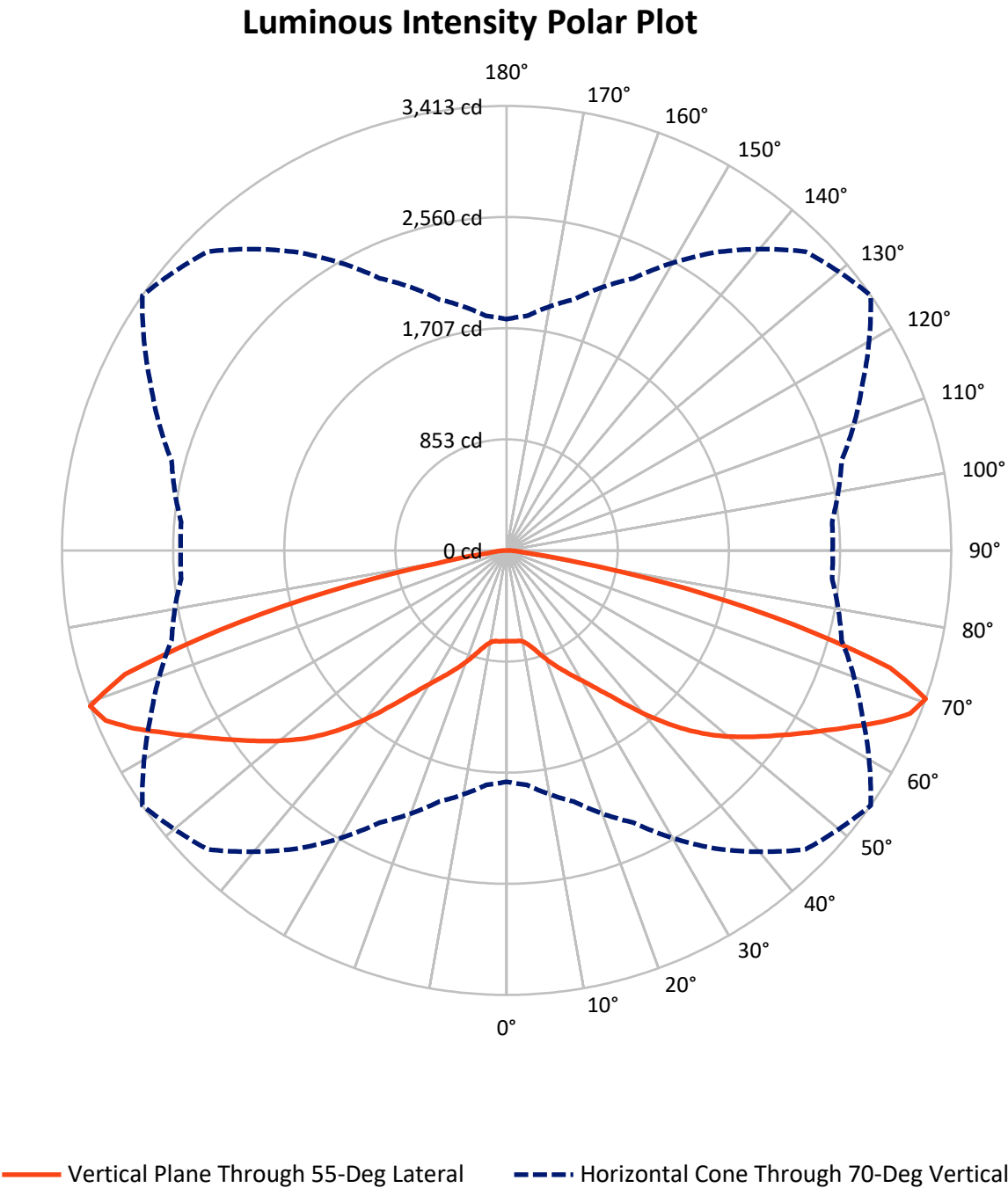
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type V - Medium - N/A

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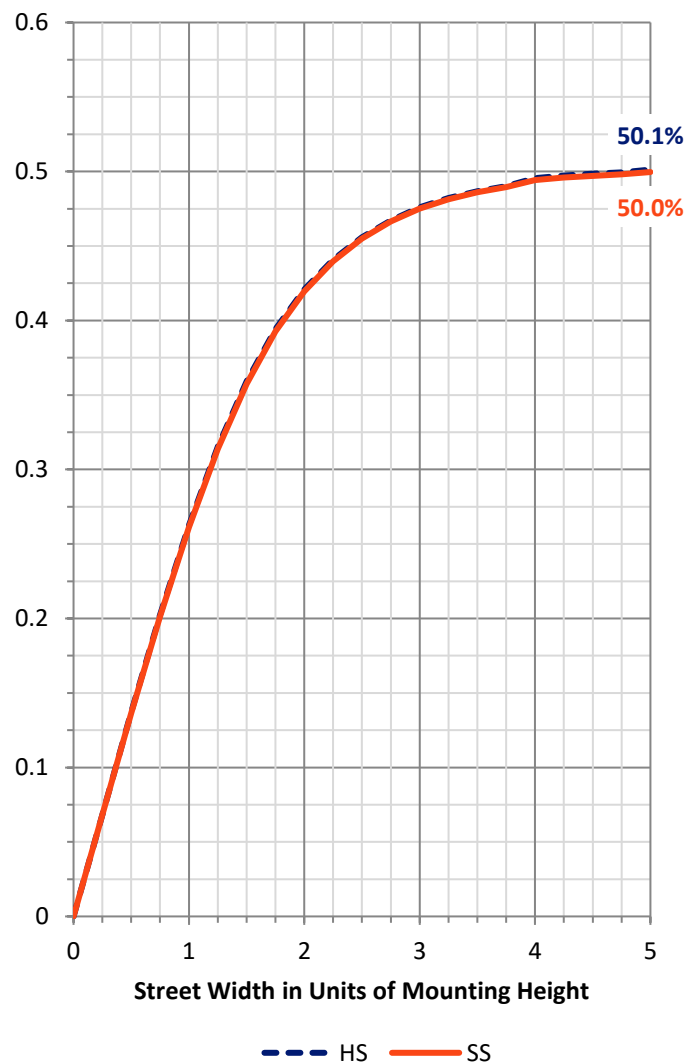
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4997.5	0.0	4997.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4997.5	0.0	4997.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9995.0	0.0	9995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	0.7
10°-20°	228.9	2.3
20°-30°	475.7	4.8
30°-40°	878.5	8.8
40°-50°	1543.4	15.4
50°-60°	2226.0	22.3
60°-70°	2724.3	27.3
70°-80°	1733.6	17.3
80°-90°	117.3	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°	9995.0	100.0
0°-180°	9995.0	100.0

Coefficient of Utilization



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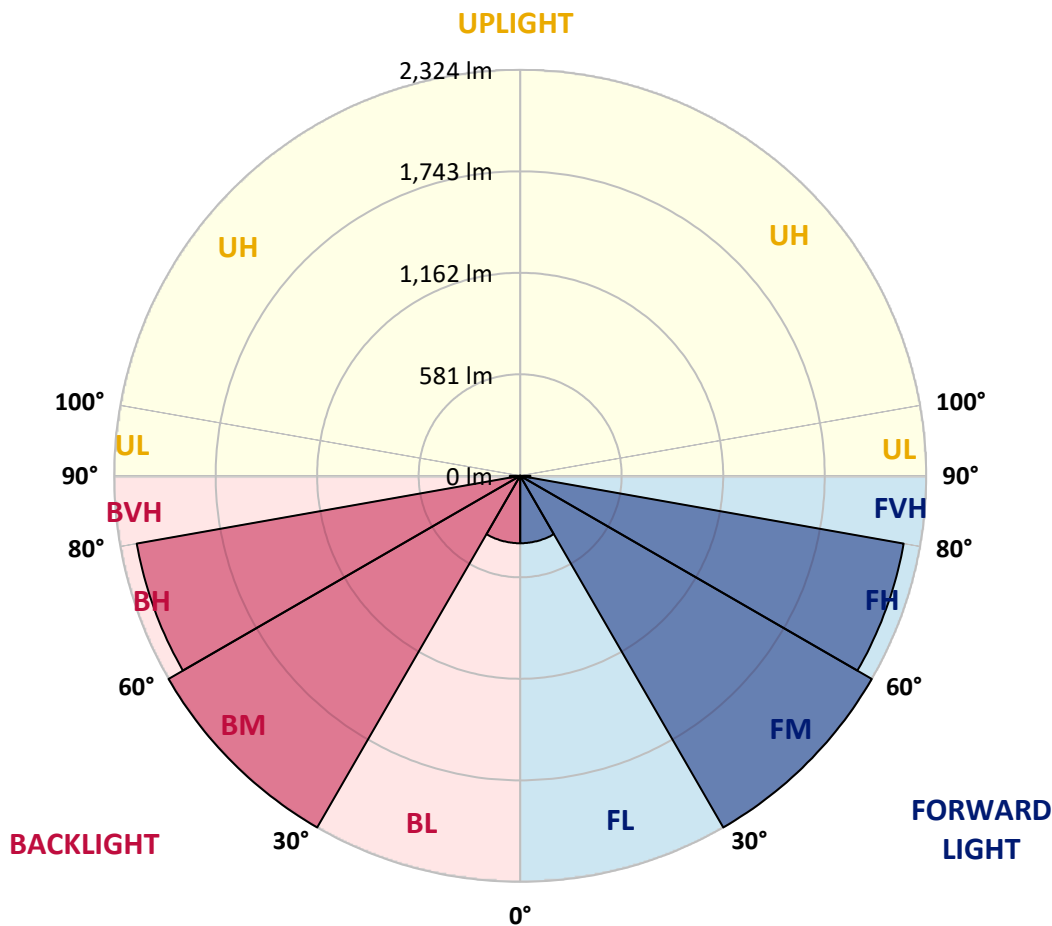
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.9	3.9			
FM	(30°-60°)	2324.0	23.3			
FH	(60°-80°)	2229.0	22.3			G2/5000
FVH	(80°-90°)	58.7	0.6			G1/100
BL	(0°-30°)	385.9	3.9	B1/500		
BM	(30°-60°)	2324.0	23.3	B2/2500		
BH	(60°-80°)	2229.0	22.3	B3/2500		G2/5000
BVH	(80°-90°)	58.7	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-G2

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7
2.5°	706.0	706.0	704.2	704.2	700.5	698.6	696.7	696.7	694.9	694.9	693.0
5°	709.8	709.8	709.8	707.9	706.0	704.2	700.5	696.7	694.9	693.0	691.2
7.5°	711.6	711.6	709.8	709.8	707.9	706.0	700.5	694.9	693.0	691.2	691.2
10°	726.5	724.6	722.8	719.0	719.0	719.0	711.6	706.0	704.2	704.2	704.2
12.5°	761.8	759.9	756.2	750.6	750.6	752.5	741.3	733.9	733.9	732.0	732.0
15°	813.8	811.9	808.2	798.9	797.1	800.8	784.1	776.6	776.6	776.6	774.8
17.5°	871.4	867.7	862.1	854.7	854.7	854.7	838.0	828.7	823.1	823.1	821.2
20°	919.7	917.8	917.8	916.0	921.6	921.6	899.3	884.4	871.4	864.0	862.1
22.5°	962.4	960.6	964.3	971.7	982.9	986.6	960.6	938.3	917.8	903.0	899.3
25°	1020.0	1018.2	1016.3	1027.5	1046.0	1051.6	1023.8	995.9	975.4	968.0	964.3
27.5°	1081.3	1083.2	1085.1	1096.2	1111.1	1120.4	1092.5	1066.5	1049.8	1038.6	1034.9
30°	1150.1	1153.8	1159.4	1176.1	1187.3	1191.0	1166.8	1148.2	1133.4	1124.1	1118.5
32.5°	1237.4	1244.9	1252.3	1267.1	1272.7	1269.0	1257.9	1244.9	1233.7	1220.7	1218.8
35°	1367.5	1374.9	1373.1	1378.6	1380.5	1376.8	1371.2	1363.8	1358.2	1341.5	1339.6
37.5°	1531.0	1538.4	1527.3	1521.7	1508.7	1510.5	1508.7	1514.3	1516.1	1499.4	1497.5
40°	1696.3	1703.8	1688.9	1674.0	1661.0	1655.5	1664.8	1683.3	1683.3	1672.2	1672.2
42.5°	1872.9	1878.4	1854.3	1835.7	1819.0	1815.3	1820.8	1843.1	1848.7	1846.8	1846.8
45°	2049.4	2045.6	2014.1	1995.5	1980.6	1971.3	1973.2	1989.9	2001.1	2006.6	2006.6
47.5°	2185.0	2179.4	2153.4	2138.5	2129.3	2116.2	2116.2	2125.5	2131.1	2133.0	2133.0
50°	2292.8	2287.2	2261.2	2259.3	2259.3	2253.7	2248.2	2246.3	2242.6	2244.5	2244.5
52.5°	2385.7	2378.2	2359.6	2363.4	2380.1	2383.8	2376.4	2361.5	2346.6	2341.1	2342.9
55°	2486.0	2474.8	2460.0	2471.1	2504.6	2519.4	2508.3	2478.6	2452.5	2435.8	2435.8
57.5°	2565.9	2552.9	2552.9	2584.5	2645.8	2675.5	2651.3	2595.6	2551.0	2532.4	2534.3
60°	2510.1	2499.0	2543.6	2682.9	2798.1	2848.3	2807.4	2708.9	2636.5	2614.2	2617.9
62.5°	2400.5	2393.1	2448.8	2664.4	2935.6	3039.7	2978.4	2837.1	2729.4	2703.4	2703.4
65°	2238.9	2237.0	2315.1	2580.7	2967.2	3223.6	3171.6	2976.5	2837.1	2801.8	2809.3
67.5°	2071.7	2071.7	2142.3	2437.7	2930.0	3301.6	3342.5	3102.8	2889.2	2801.8	2803.7
70°	1776.2	1807.8	1995.5	2305.8	2794.4	3245.9	3413.1	3013.7	2662.5	2508.3	2502.7
72.5°	1170.5	1211.4	1584.9	2075.4	2660.6	3043.4	3080.5	2647.6	2211.0	2030.8	2021.5
75°	706.0	741.3	1027.5	1620.2	2339.2	2450.7	2287.2	2075.4	1651.8	1510.5	1510.5
77.5°	208.1	232.2	473.8	1027.5	1618.3	1610.9	1410.2	1222.6	977.3	830.5	841.7
80°	122.6	126.3	154.2	468.2	670.7	706.0	544.4	340.0	340.0	252.7	245.3
82.5°	94.8	94.8	98.5	117.1	161.6	180.2	137.5	117.1	133.8	113.3	107.8
85°	66.9	66.9	66.9	68.7	70.6	72.5	76.2	78.0	85.5	70.6	66.9
87.5°	20.4	22.3	24.2	27.9	33.4	35.3	37.2	33.4	33.4	31.6	29.7
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)