

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: P840946

Luminaire Tested: **ARCH4-110-730-U-5WQ**

Issue Date: 5/27/2024

Test Information

Test Method: LM-79-08
Report Number: P840946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-110-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 920mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

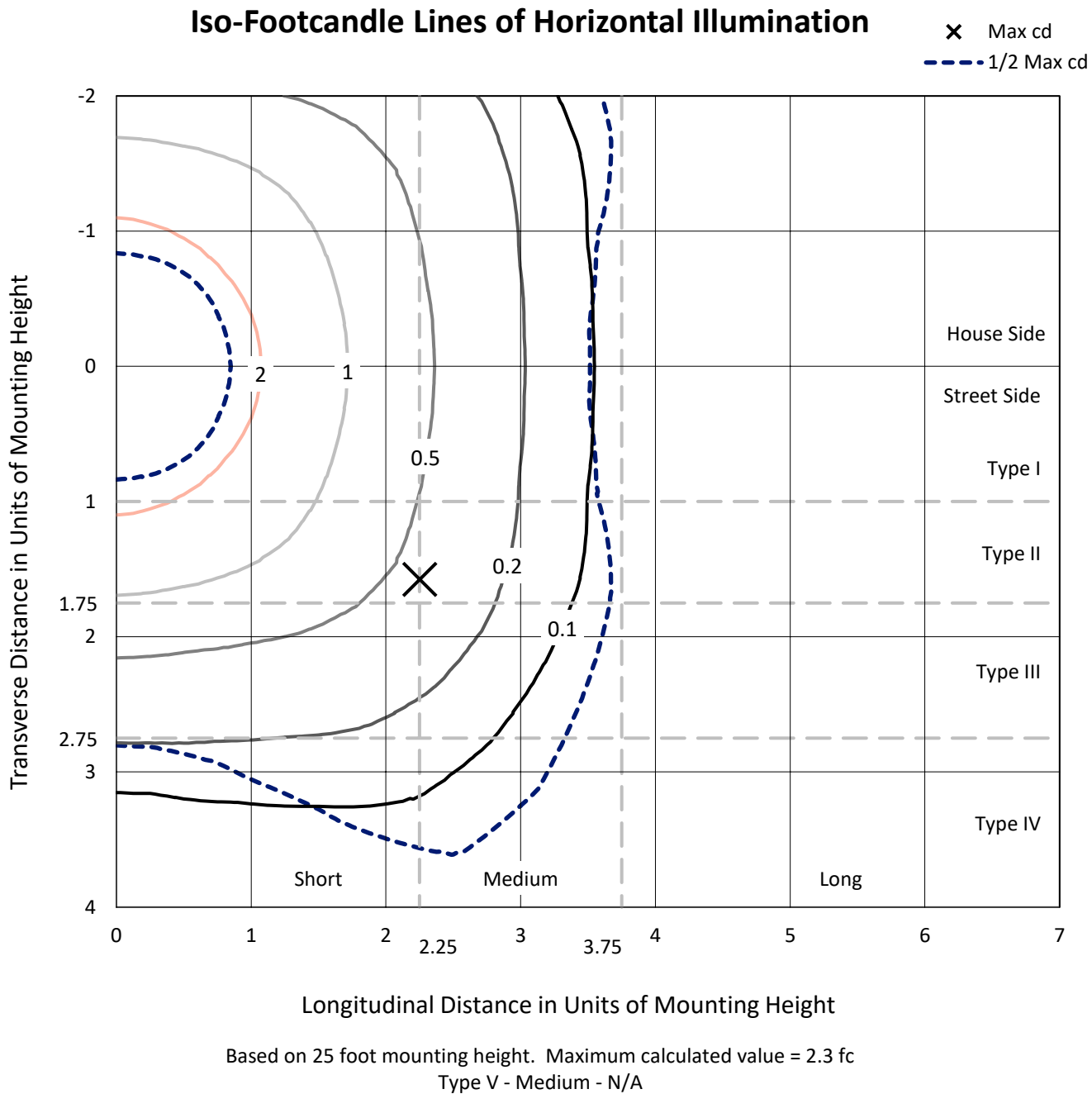
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18748 lumens
Efficiency: N/A
Efficacy: 166.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 112.6
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

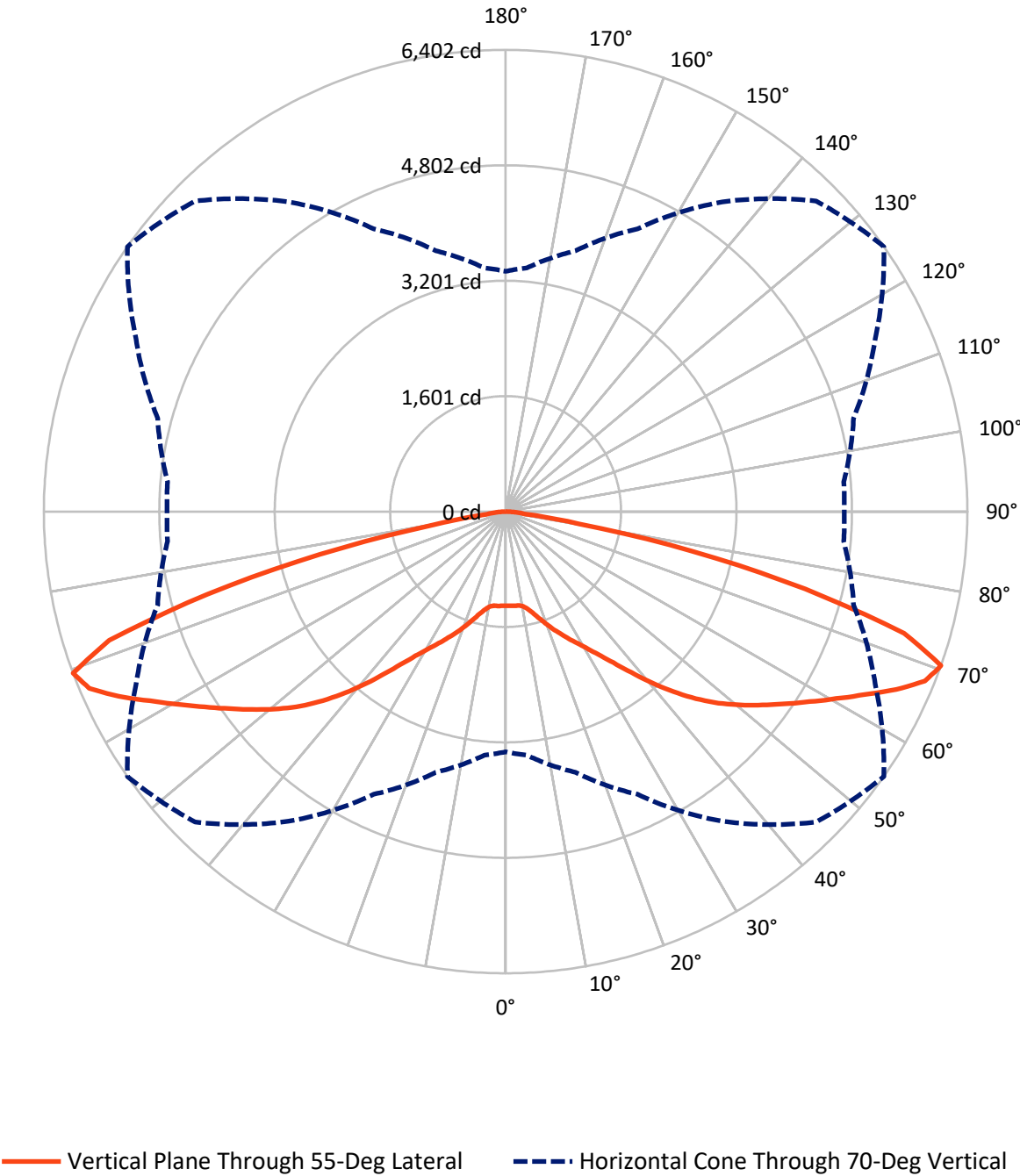


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9374.0	0.0	9374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9374.0	0.0	9374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18748.0	0.0	18748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	0.7
10°-20°	429.4	2.3
20°-30°	892.2	4.8
30°-40°	1647.9	8.8
40°-50°	2895.0	15.4
50°-60°	4175.3	22.3
60°-70°	5110.1	27.3
70°-80°	3251.7	17.3
80°-90°	220.0	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°	18748.0	100.0
0°-180°	18748.0	100.0

Coefficient of Utilization



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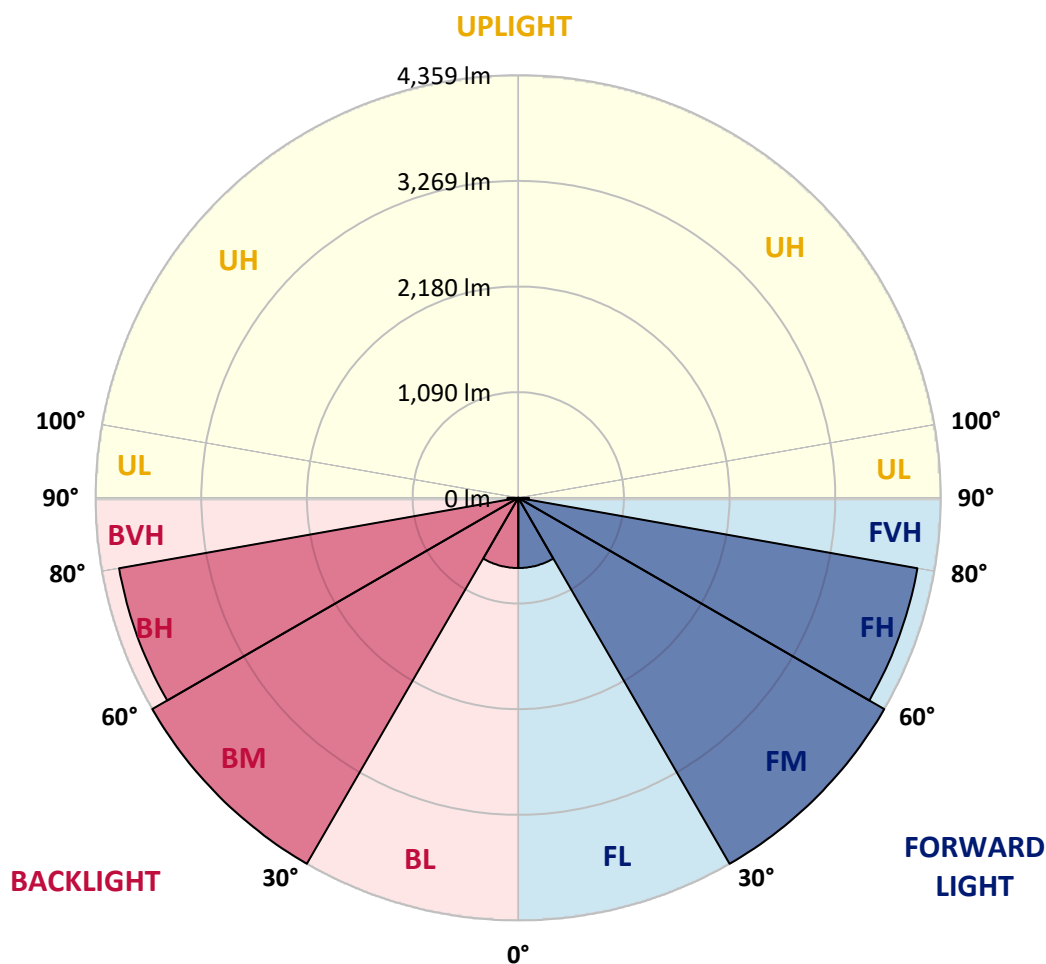
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	723.9	3.9			
FM	(30°-60°)	4359.1	23.3			
FH	(60°-80°)	4180.9	22.3			G2/5000
FVH	(80°-90°)	110.0	0.6			G2/225
BL	(0°-30°)	723.9	3.9	B2/1000		
BM	(30°-60°)	4359.1	23.3	B3/5000		
BH	(60°-80°)	4180.9	22.3	B4/5000		G2/5000
BVH	(80°-90°)	110.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9	1306.9
2.5°	1324.3	1324.3	1320.9	1320.9	1313.9	1310.4	1306.9	1306.9	1303.4	1303.4	1299.9
5°	1331.3	1331.3	1331.3	1327.8	1324.3	1320.9	1313.9	1306.9	1303.4	1299.9	1296.5
7.5°	1334.8	1334.8	1331.3	1331.3	1327.8	1324.3	1313.9	1303.4	1299.9	1296.5	1296.5
10°	1362.7	1359.2	1355.7	1348.7	1348.7	1348.7	1334.8	1324.3	1320.9	1320.9	1320.9
12.5°	1428.9	1425.4	1418.4	1408.0	1408.0	1411.5	1390.6	1376.6	1376.6	1373.1	1373.1
15°	1526.5	1523.0	1516.0	1498.6	1495.1	1502.1	1470.7	1456.8	1456.8	1456.8	1453.3
17.5°	1634.5	1627.5	1617.1	1603.1	1603.1	1603.1	1571.8	1554.4	1543.9	1543.9	1540.4
20°	1725.1	1721.6	1721.6	1718.2	1728.6	1728.6	1686.8	1658.9	1634.5	1620.6	1617.1
22.5°	1805.3	1801.8	1808.8	1822.7	1843.6	1850.6	1801.8	1760.0	1721.6	1693.8	1686.8
25°	1913.3	1909.8	1906.3	1927.3	1962.1	1972.6	1920.3	1868.0	1829.7	1815.7	1808.8
27.5°	2028.3	2031.8	2035.3	2056.2	2084.1	2101.5	2049.2	2000.4	1969.1	1948.2	1941.2
30°	2157.3	2164.2	2174.7	2206.1	2227.0	2233.9	2188.6	2153.8	2125.9	2108.5	2098.0
32.5°	2321.1	2335.0	2349.0	2376.8	2387.3	2380.3	2359.4	2335.0	2314.1	2289.7	2286.2
35°	2565.0	2579.0	2575.5	2585.9	2589.4	2582.5	2572.0	2558.1	2547.6	2516.2	2512.8
37.5°	2871.7	2885.7	2864.8	2854.3	2829.9	2833.4	2829.9	2840.4	2843.8	2812.5	2809.0
40°	3181.9	3195.8	3168.0	3140.1	3115.7	3105.2	3122.6	3157.5	3157.5	3136.6	3136.6
42.5°	3513.0	3523.4	3478.1	3443.3	3411.9	3404.9	3415.4	3457.2	3467.7	3464.2	3464.2
45°	3844.1	3837.1	3777.8	3743.0	3715.1	3697.7	3701.2	3732.5	3753.5	3763.9	3763.9
47.5°	4098.5	4088.0	4039.2	4011.3	3993.9	3969.5	3969.5	3987.0	3997.4	4000.9	4000.9
50°	4300.6	4290.2	4241.4	4237.9	4237.9	4227.4	4217.0	4213.5	4206.5	4210.0	4210.0
52.5°	4474.9	4460.9	4426.1	4433.0	4464.4	4471.4	4457.4	4429.6	4401.7	4391.2	4394.7
55°	4663.1	4642.2	4614.3	4635.2	4697.9	4725.8	4704.9	4649.1	4600.3	4569.0	4569.0
57.5°	4812.9	4788.5	4788.5	4847.8	4962.8	5018.5	4973.2	4868.7	4785.0	4750.2	4753.7
60°	4708.4	4687.5	4771.1	5032.5	5248.6	5342.7	5266.0	5081.3	4945.4	4903.5	4910.5
62.5°	4502.7	4488.8	4593.4	4997.6	5506.5	5701.6	5586.6	5321.7	5119.6	5070.8	5070.8
65°	4199.5	4196.1	4342.4	4840.8	5565.7	6046.6	5949.1	5583.1	5321.7	5255.5	5269.5
67.5°	3885.9	3885.9	4018.3	4572.5	5496.0	6193.0	6269.7	5820.1	5419.3	5255.5	5259.0
70°	3331.8	3391.0	3743.0	4325.0	5241.6	6088.5	6402.1	5652.8	4994.1	4704.9	4694.4
72.5°	2195.6	2272.3	2972.8	3892.9	4990.7	5708.6	5778.3	4966.3	4147.3	3809.2	3791.8
75°	1324.3	1390.6	1927.3	3039.0	4387.7	4596.8	4290.2	3892.9	3098.3	2833.4	2833.4
77.5°	390.3	435.6	888.7	1927.3	3035.5	3021.6	2645.2	2293.2	1833.2	1557.8	1578.8
80°	230.0	237.0	289.3	878.2	1258.1	1324.3	1021.1	637.8	637.8	474.0	460.0
82.5°	177.7	177.7	184.7	219.6	303.2	338.1	257.9	219.6	250.9	212.6	202.1
85°	125.5	125.5	125.5	128.9	132.4	135.9	142.9	146.4	160.3	132.4	125.5
87.5°	38.3	41.8	45.3	52.3	62.7	66.2	69.7	62.7	62.7	59.2	55.8
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)