

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: P836683

Luminaire Tested: **ARCH3-60-730-U-5WQ**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836683
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: ARCH3-60-730-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10245 lumens
Efficiency: N/A
Efficacy: 162.1 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



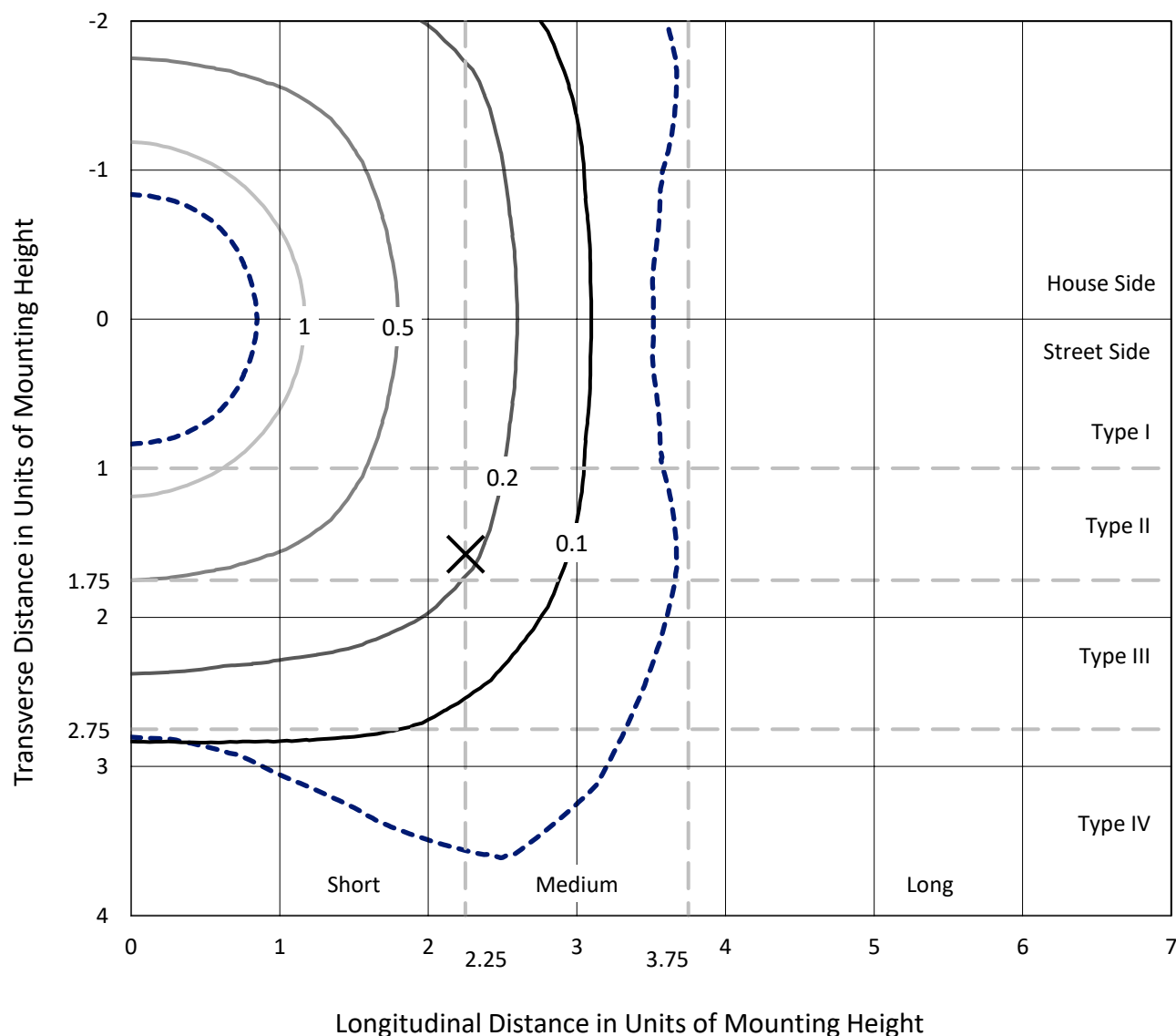
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

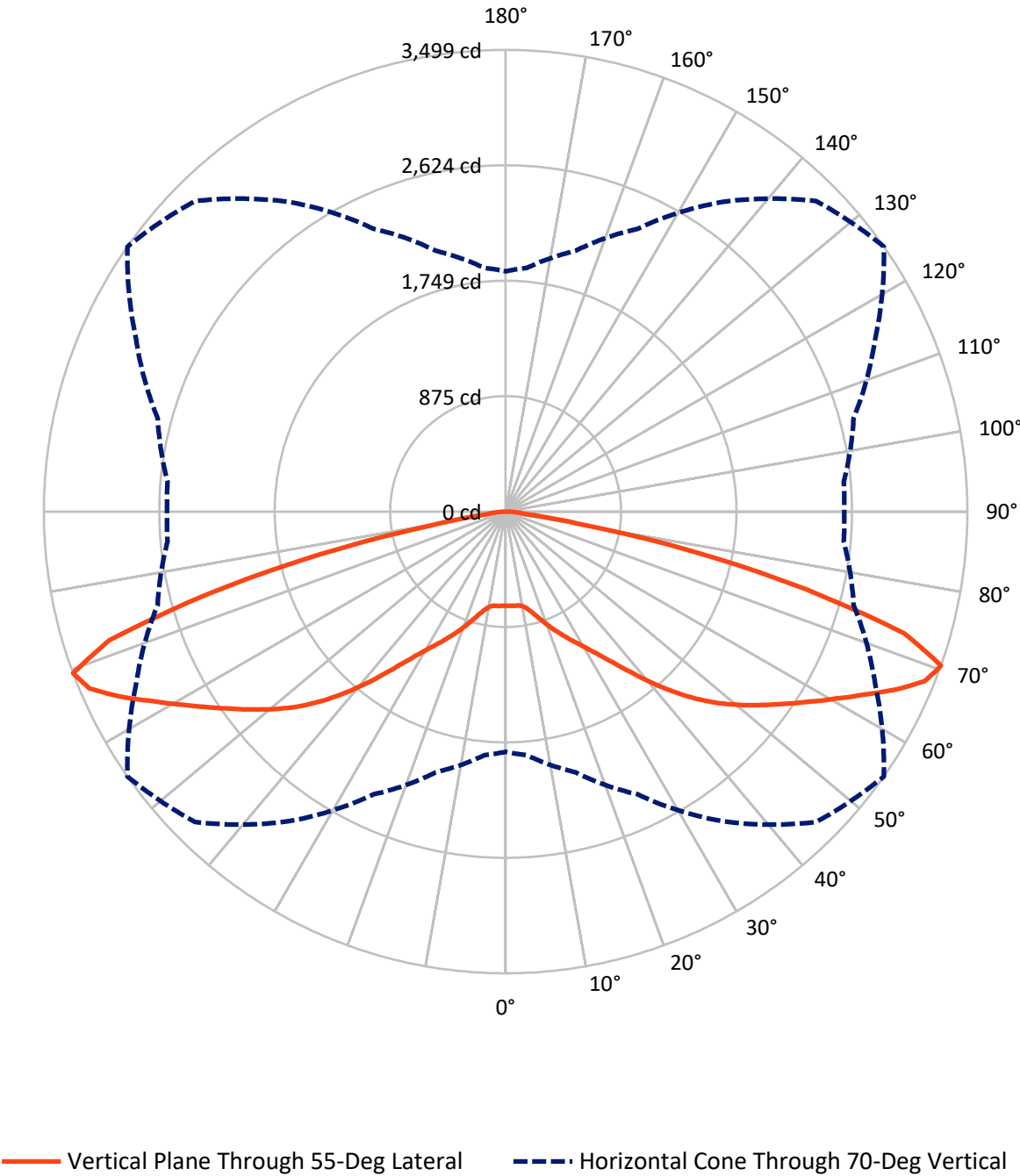
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Medium - N/A

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Luminous Intensity Polar Plot



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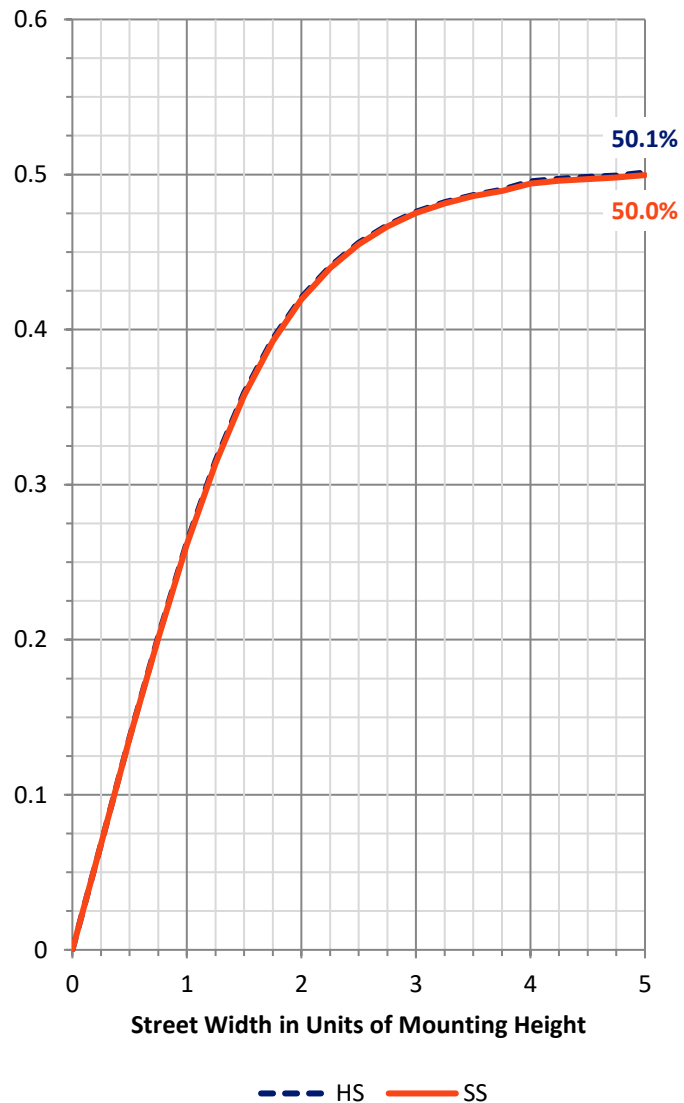
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5122.5	0.0	5122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5122.5	0.0	5122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10245.0	0.0	10245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	0.7
10°-20°	234.7	2.3
20°-30°	487.6	4.8
30°-40°	900.5	8.8
40°-50°	1582.0	15.4
50°-60°	2281.6	22.3
60°-70°	2792.5	27.3
70°-80°	1776.9	17.3
80°-90°	120.2	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°	10245.0	100.0
0°-180°	10245.0	100.0

Coefficient of Utilization



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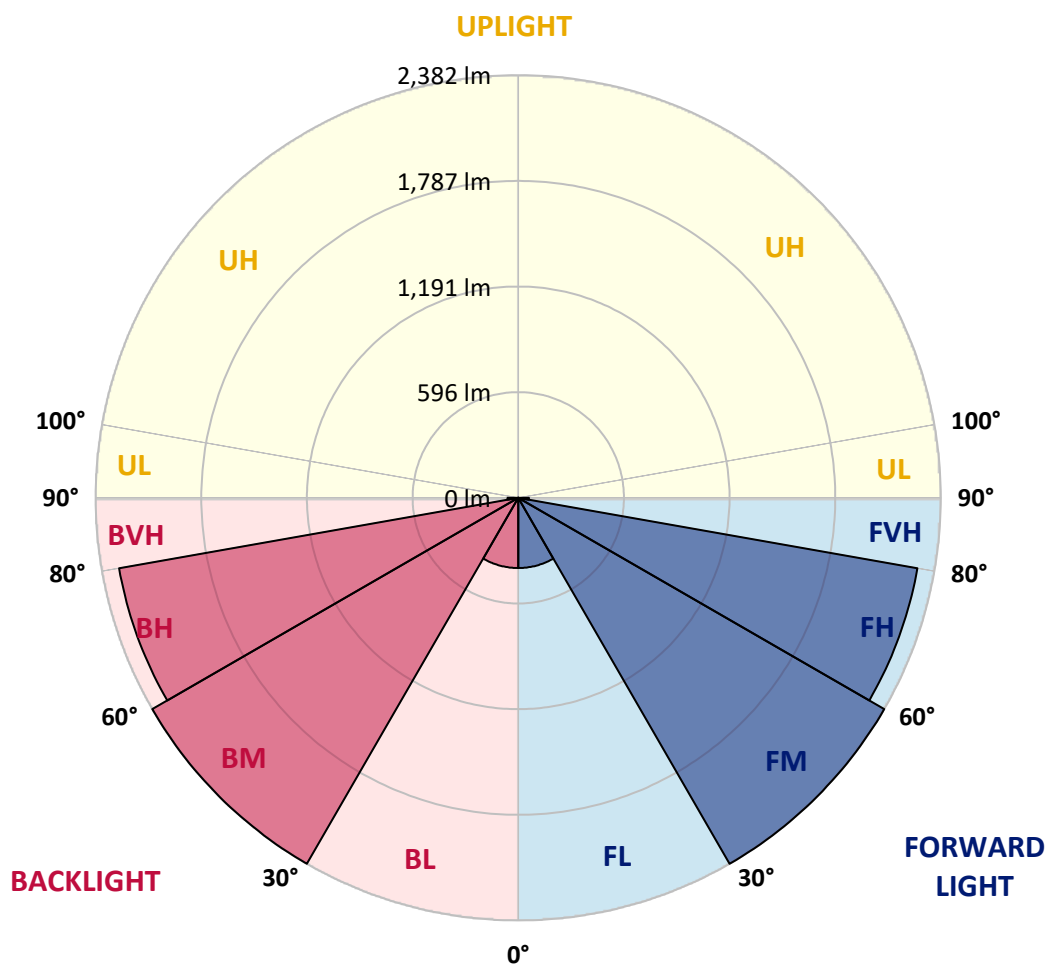
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	395.6	3.9			
FM	(30°-60°)	2382.1	23.3			
FH	(60°-80°)	2284.7	22.3			G2/5000
FVH	(80°-90°)	60.1	0.6			G1/100
BL	(0°-30°)	395.6	3.9	B1/500		
BM	(30°-60°)	2382.1	23.3	B2/2500		
BH	(60°-80°)	2284.7	22.3	B3/2500		G2/5000
BVH	(80°-90°)	60.1	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°	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2	714.2
2.5°	723.7	723.7	721.8	721.8	718.0	716.1	714.2	714.2	712.3	712.3	710.4
5°	727.5	727.5	727.5	725.6	723.7	721.8	718.0	714.2	712.3	710.4	708.5
7.5°	729.4	729.4	727.5	727.5	725.6	723.7	718.0	712.3	710.4	708.5	708.5
10°	744.6	742.7	740.8	737.0	737.0	737.0	729.4	723.7	721.8	721.8	721.8
12.5°	780.8	778.9	775.1	769.4	769.4	771.3	759.9	752.3	752.3	750.4	750.4
15°	834.2	832.2	828.4	818.9	817.0	820.8	803.7	796.1	796.1	796.1	794.2
17.5°	893.2	889.4	883.7	876.1	876.1	876.1	858.9	849.4	843.7	843.7	841.8
20°	942.7	940.8	940.8	938.9	944.6	944.6	921.8	906.5	893.2	885.6	883.7
22.5°	986.5	984.6	988.4	996.0	1007.5	1011.3	984.6	961.8	940.8	925.6	921.8
25°	1045.5	1043.6	1041.7	1053.2	1072.2	1077.9	1049.4	1020.8	999.8	992.2	988.4
27.5°	1108.4	1110.3	1112.2	1123.6	1138.9	1148.4	1119.8	1093.2	1076.0	1064.6	1060.8
30°	1178.9	1182.7	1188.4	1205.5	1217.0	1220.8	1196.0	1177.0	1161.7	1152.2	1146.5
32.5°	1268.4	1276.0	1283.6	1298.8	1304.6	1300.7	1289.3	1276.0	1264.6	1251.2	1249.3
35°	1401.7	1409.3	1407.4	1413.1	1415.0	1411.2	1405.5	1397.9	1392.2	1375.0	1373.1
37.5°	1569.3	1576.9	1565.5	1559.8	1546.4	1548.3	1546.4	1552.1	1554.0	1536.9	1535.0
40°	1738.8	1746.4	1731.2	1715.9	1702.6	1696.9	1706.4	1725.4	1725.4	1714.0	1714.0
42.5°	1919.7	1925.4	1900.7	1881.6	1864.5	1860.7	1866.4	1889.2	1894.9	1893.0	1893.0
45°	2100.6	2096.8	2064.4	2045.4	2030.2	2020.6	2022.5	2039.7	2051.1	2056.8	2056.8
47.5°	2239.6	2233.9	2207.3	2192.0	2182.5	2169.2	2169.2	2178.7	2184.4	2186.3	2186.3
50°	2350.1	2344.4	2317.7	2315.8	2315.8	2310.1	2304.4	2302.5	2298.7	2300.6	2300.6
52.5°	2445.3	2437.7	2418.7	2422.5	2439.6	2443.4	2435.8	2420.6	2405.3	2399.6	2401.5
55°	2548.2	2536.7	2521.5	2532.9	2567.2	2582.5	2571.0	2540.6	2513.9	2496.7	2496.7
57.5°	2630.1	2616.7	2616.7	2649.1	2712.0	2742.4	2717.7	2660.5	2614.8	2595.8	2597.7
60°	2572.9	2561.5	2607.2	2750.0	2868.1	2919.5	2877.6	2776.7	2702.4	2679.6	2683.4
62.5°	2460.6	2452.9	2510.1	2731.0	3009.0	3115.7	3052.9	2908.1	2797.7	2771.0	2771.0
65°	2294.9	2293.0	2373.0	2645.3	3041.4	3304.2	3250.9	3050.9	2908.1	2871.9	2879.5
67.5°	2123.5	2123.5	2195.8	2498.7	3003.3	3384.2	3426.1	3180.5	2961.4	2871.9	2873.8
70°	1820.7	1853.0	2045.4	2363.4	2864.3	3327.1	3498.5	3089.0	2729.1	2571.0	2565.3
72.5°	1199.8	1241.7	1624.5	2127.3	2727.2	3119.5	3157.6	2713.9	2266.3	2081.6	2072.1
75°	723.7	759.9	1053.2	1660.7	2397.7	2512.0	2344.4	2127.3	1693.1	1548.3	1548.3
77.5°	213.3	238.1	485.6	1053.2	1658.8	1651.2	1445.5	1253.1	1001.7	851.3	862.7
80°	125.7	129.5	158.1	479.9	687.5	723.7	558.0	348.5	348.5	259.0	251.4
82.5°	97.1	97.1	100.9	120.0	165.7	184.7	140.9	120.0	137.1	116.2	110.5
85°	68.6	68.6	68.6	70.5	72.4	74.3	78.1	80.0	87.6	72.4	68.6
87.5°	20.9	22.9	24.8	28.6	34.3	36.2	38.1	34.3	34.3	32.4	30.5
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)