

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: P836017

Luminaire Tested: **ARCH3-130-722-U-5WQ**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P836017
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: ARCH3-130-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16687 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 132.6
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

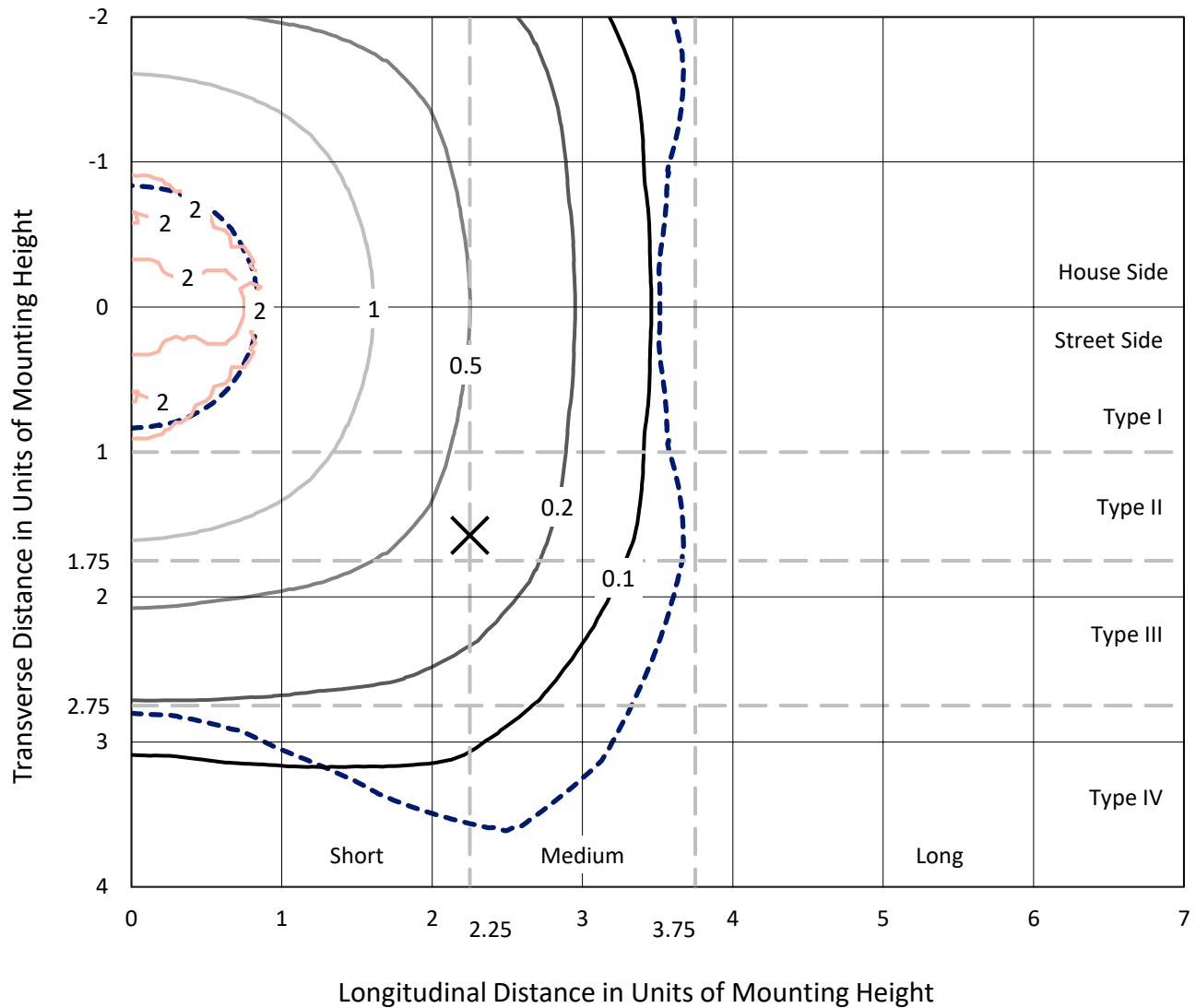


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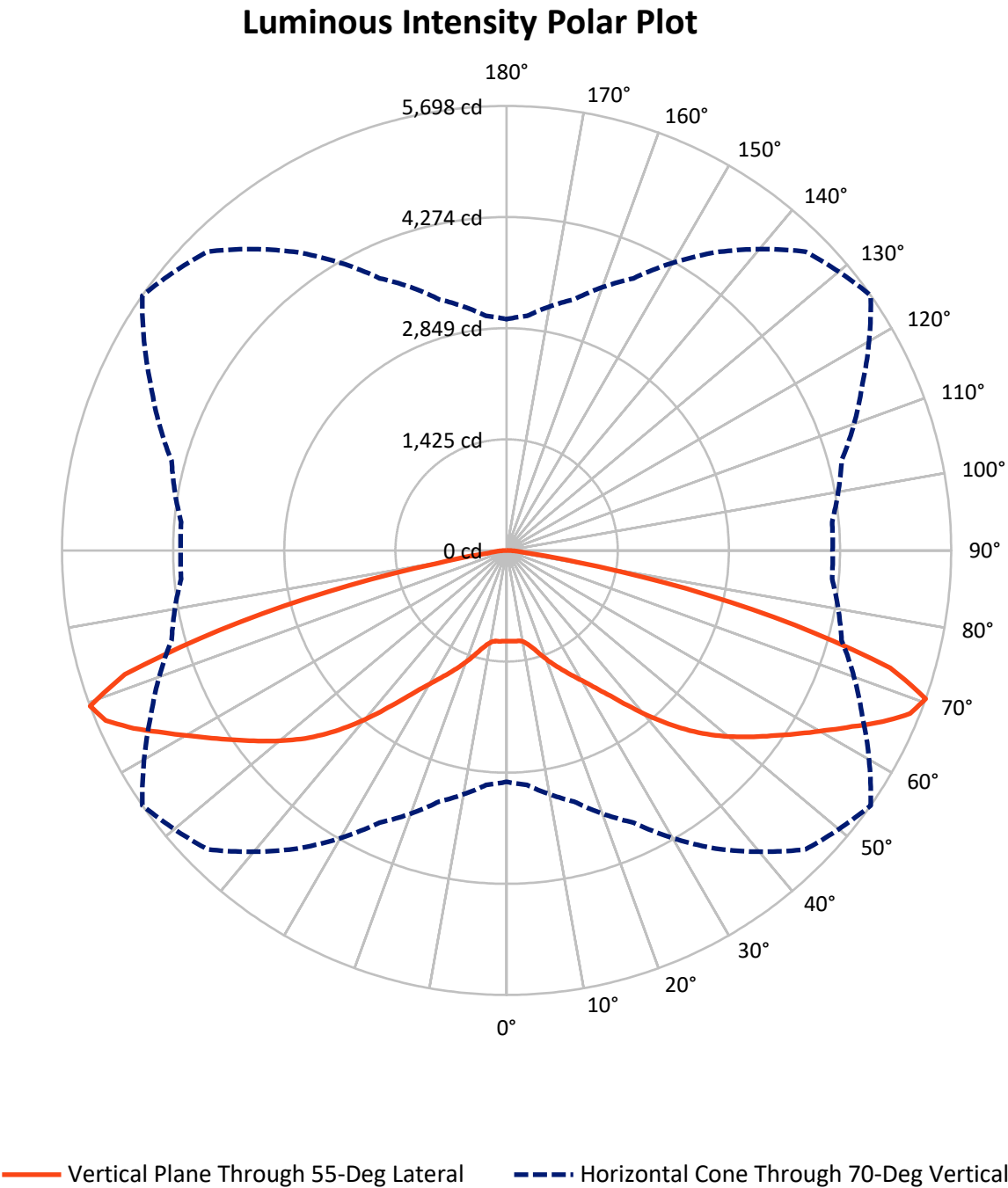
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Medium - N/A

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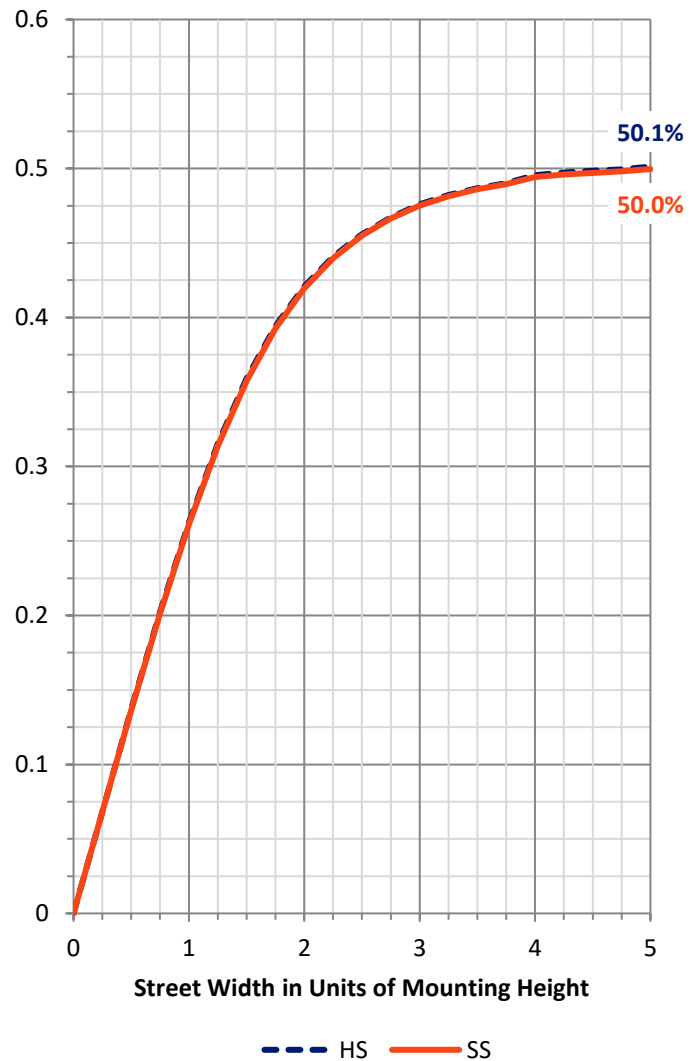
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8343.5	0.0	8343.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8343.5	0.0	8343.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16687.0	0.0	16687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	0.7
10°-20°	382.2	2.3
20°-30°	794.2	4.8
30°-40°	1466.8	8.8
40°-50°	2576.8	15.4
50°-60°	3716.3	22.3
60°-70°	4548.4	27.3
70°-80°	2894.2	17.3
80°-90°	195.8	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°	16687.0	100.0
0°-180°	16687.0	100.0

Coefficient of Utilization



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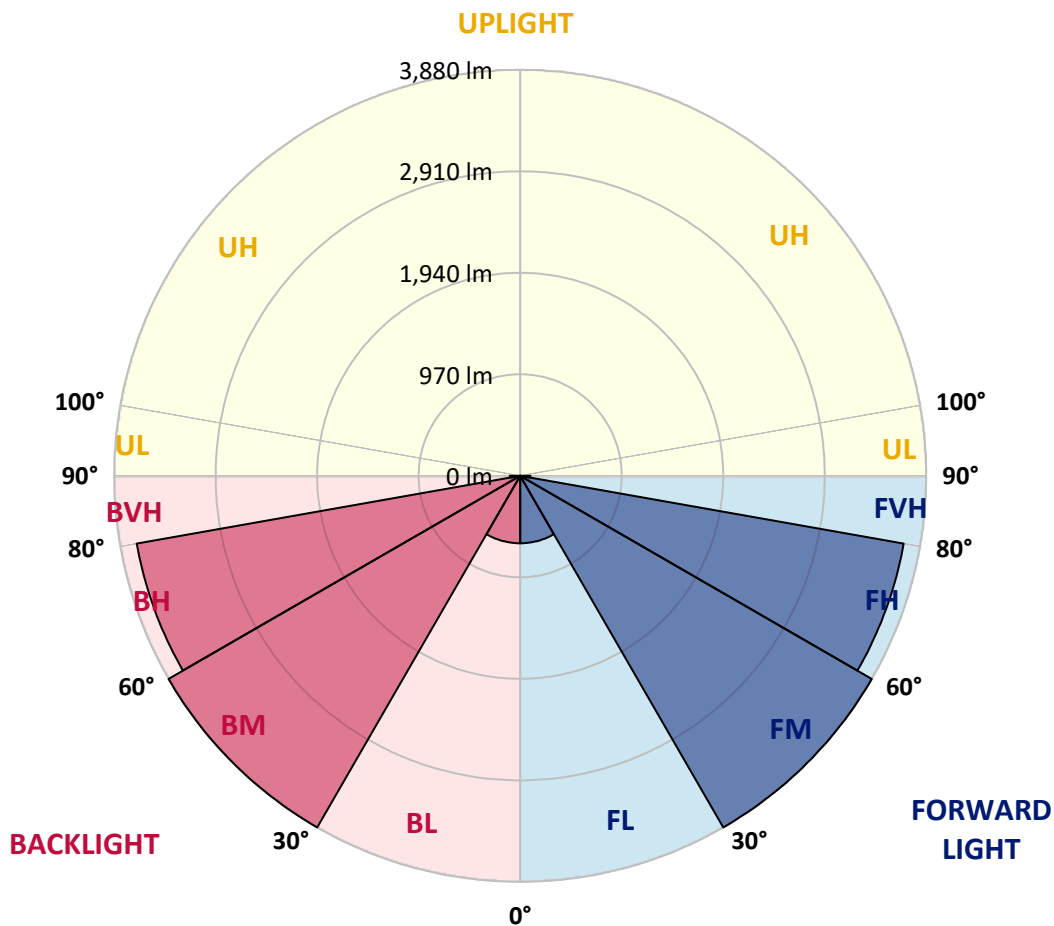
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	644.3	3.9			
FM	(30°-60°)	3879.9	23.3			
FH	(60°-80°)	3721.3	22.3			G2/5000
FVH	(80°-90°)	97.9	0.6			G1/100
BL	(0°-30°)	644.3	3.9	B2/1000		
BM	(30°-60°)	3879.9	23.3	B3/5000		
BH	(60°-80°)	3721.3	22.3	B4/5000		G2/5000
BVH	(80°-90°)	97.9	0.6			G1/100
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°	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2	1163.2
2.5°	1178.8	1178.8	1175.6	1175.6	1169.4	1166.3	1163.2	1163.2	1160.1	1160.1	1157.0
5°	1185.0	1185.0	1185.0	1181.9	1178.8	1175.6	1163.2	1163.2	1160.1	1157.0	1153.9
7.5°	1188.1	1188.1	1185.0	1185.0	1181.9	1178.8	1160.1	1157.0	1153.9	1153.9	1153.9
10°	1212.9	1209.8	1206.7	1200.5	1200.5	1200.5	1178.8	1175.6	1175.6	1175.6	1175.6
12.5°	1271.8	1268.7	1262.5	1253.2	1253.2	1256.3	1225.3	1225.3	1222.2	1222.2	1222.2
15°	1358.7	1355.6	1349.4	1333.9	1330.7	1337.0	1296.6	1296.6	1296.6	1296.6	1293.5
17.5°	1454.8	1448.6	1439.3	1426.9	1426.9	1426.9	1383.5	1374.2	1374.2	1374.2	1371.1
20°	1535.5	1532.4	1532.4	1529.3	1538.6	1538.6	1476.5	1454.8	1442.4	1442.4	1439.3
22.5°	1606.8	1603.7	1609.9	1622.3	1640.9	1647.1	1566.5	1532.4	1507.6	1507.6	1501.4
25°	1703.0	1699.9	1696.8	1715.4	1746.4	1755.7	1662.7	1628.5	1616.1	1616.1	1609.9
27.5°	1805.4	1808.5	1811.6	1830.2	1855.0	1870.5	1780.5	1752.6	1734.0	1734.0	1727.8
30°	1920.1	1926.3	1935.6	1963.6	1982.2	1988.4	1917.0	1892.2	1876.7	1876.7	1867.4
32.5°	2065.9	2078.3	2090.7	2115.5	2124.9	2118.7	2078.3	2059.7	2038.0	2038.0	2034.9
35°	2283.1	2295.5	2292.4	2301.7	2304.8	2298.6	2276.9	2267.5	2239.6	2239.6	2236.5
37.5°	2556.0	2568.4	2549.8	2540.5	2518.8	2521.9	2528.1	2531.2	2503.3	2503.3	2500.2
40°	2832.1	2844.5	2819.7	2794.9	2773.2	2763.9	2810.4	2810.4	2791.8	2791.8	2791.8
42.5°	3126.8	3136.1	3095.8	3064.8	3036.8	3030.6	3077.2	3086.5	3083.4	3083.4	3083.4
45°	3421.5	3415.3	3362.5	3331.5	3306.7	3291.2	3322.2	3340.8	3350.1	3350.1	3350.1
47.5°	3647.9	3638.6	3595.2	3570.4	3554.9	3533.2	3548.7	3558.0	3561.1	3561.1	3561.1
50°	3827.8	3818.5	3775.1	3772.0	3772.0	3762.7	3750.3	3744.1	3747.2	3747.2	3747.2
52.5°	3982.9	3970.5	3939.5	3945.7	3973.6	3979.8	3942.6	3917.8	3908.5	3908.5	3911.6
55°	4150.4	4131.8	4107.0	4125.6	4181.5	4206.3	4138.0	4094.6	4066.7	4066.7	4066.7
57.5°	4283.8	4262.1	4262.1	4314.8	4417.2	4466.8	4333.5	4259.0	4228.0	4228.0	4231.1
60°	4190.8	4172.2	4246.6	4479.3	4671.6	4755.3	4522.7	4401.7	4364.5	4364.5	4370.7
62.5°	4007.8	3995.3	4088.4	4448.2	4901.1	5074.8	4736.7	4556.8	4513.4	4513.4	4513.4
65°	3737.9	3734.8	3865.1	4308.6	4953.9	5381.9	4969.4	4736.7	4677.8	4677.8	4690.2
67.5°	3458.7	3458.7	3576.6	4069.8	4891.8	5512.2	5180.3	4823.6	4677.8	4677.8	4680.9
70°	2965.5	3018.2	3331.5	3849.6	4665.4	5419.2	5031.4	4445.1	4187.7	4187.7	4178.4
72.5°	1954.2	2022.5	2646.0	3464.9	4442.0	5081.0	4420.3	3691.4	3390.5	3390.5	3375.0
75°	1178.8	1237.7	1715.4	2704.9	3905.4	4091.5	3464.9	2757.7	2521.9	2521.9	2521.9
77.5°	347.4	387.7	791.0	1715.4	2701.8	2689.4	2041.1	1631.6	1386.6	1386.6	1405.2
80°	204.7	210.9	257.5	781.7	1119.8	1178.8	567.7	567.7	421.9	421.9	409.5
82.5°	158.2	158.2	164.4	195.4	269.9	300.9	195.4	223.3	189.2	189.2	179.9
85°	111.7	111.7	111.7	114.8	117.9	121.0	130.3	142.7	117.9	117.9	111.7
87.5°	34.1	37.2	40.3	46.5	55.8	58.9	55.8	55.8	52.7	52.7	49.6
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)