

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: McGRAW-EDISON

Report Number: P#

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

Issue Date: 12/16/2024

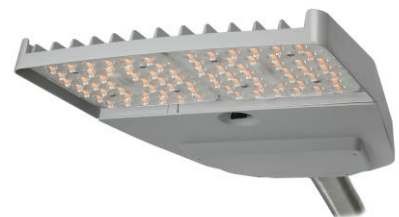
Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-13)
Test Lab: INNOVATION CENTER
Issue Date: 12/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ARCH4-110-AMB-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 600mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4717 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

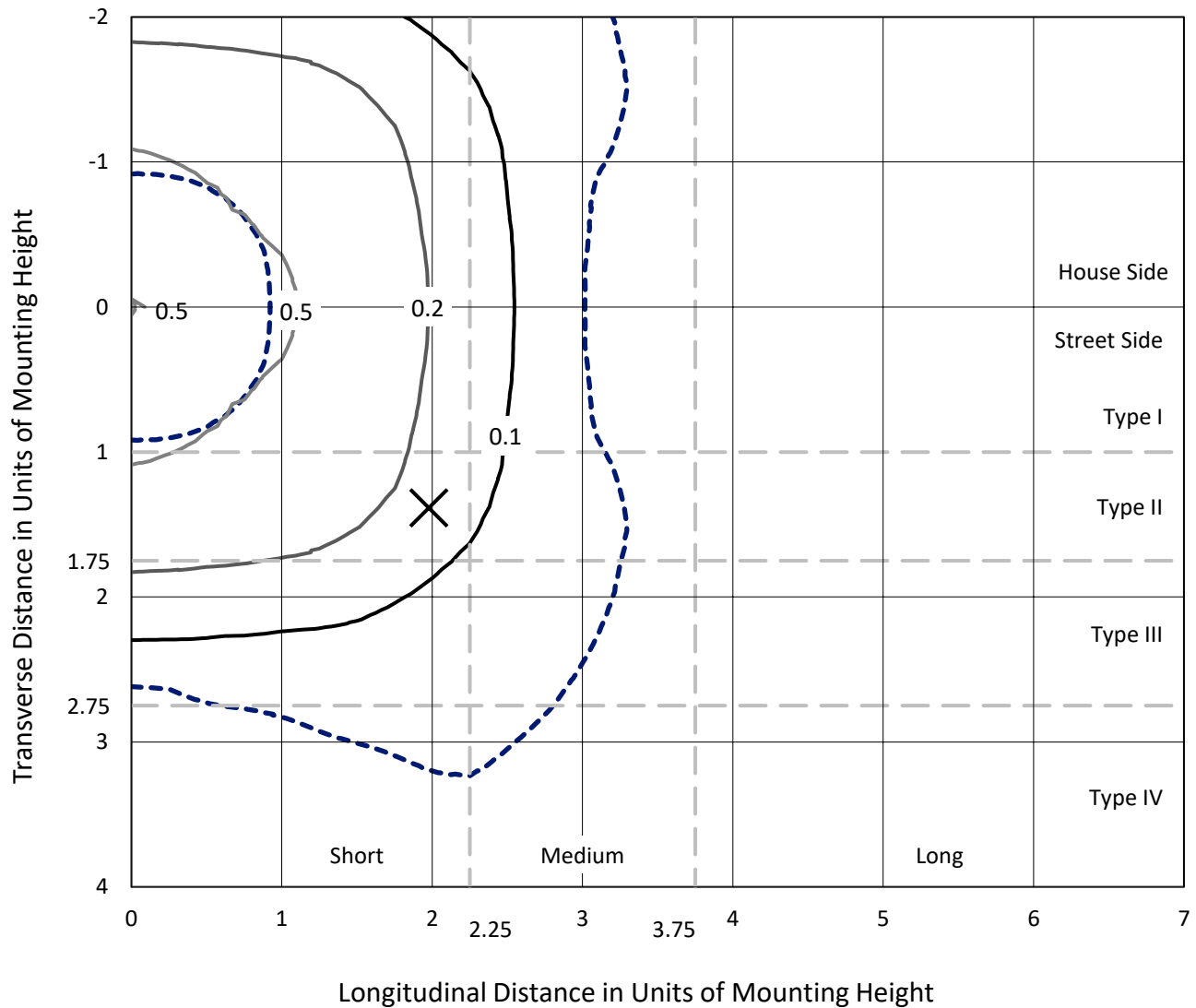
Input Watts (W): 112.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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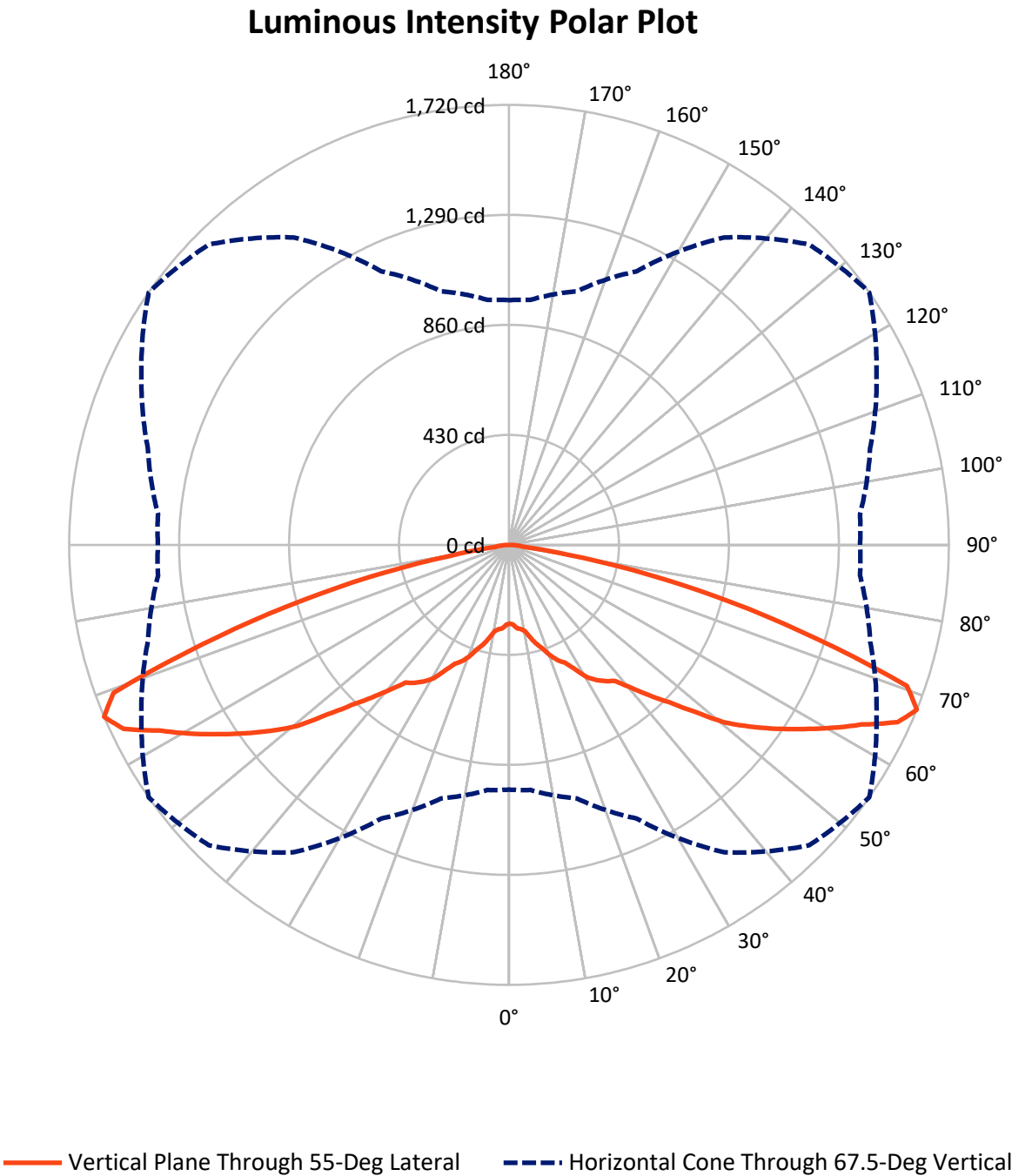
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type V - Short - N/A

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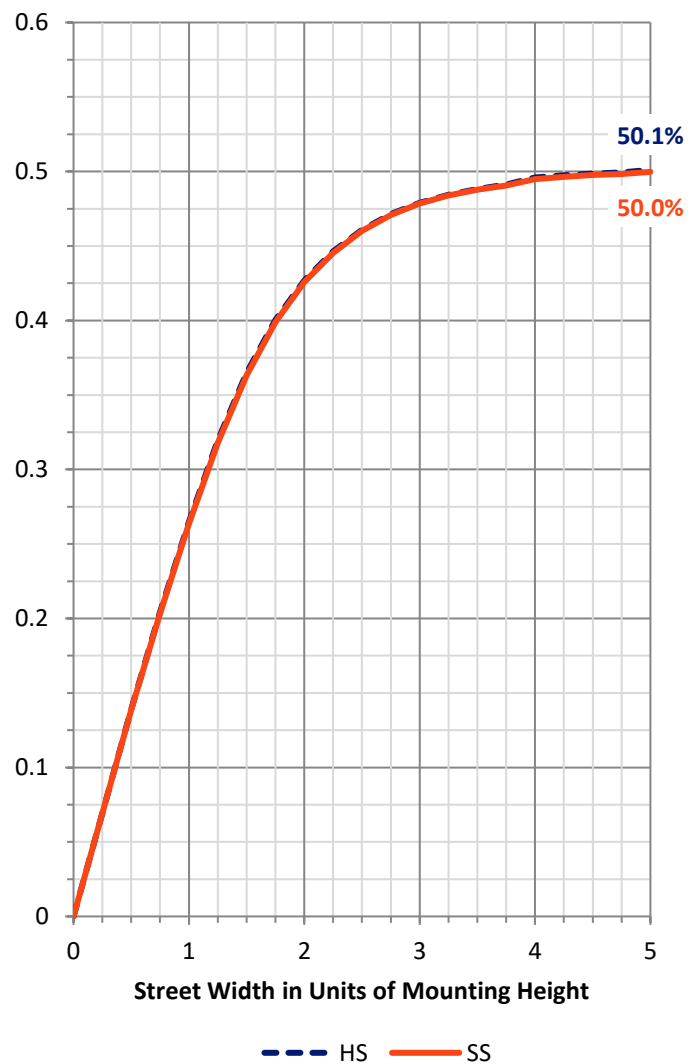
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.5	0.0	2358.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2358.5	0.0	2358.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4717.0	0.0	4717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	0.7
10°-20°	117.1	2.5
20°-30°	236.0	5.0
30°-40°	411.8	8.7
40°-50°	705.4	15.0
50°-60°	1089.9	23.1
60°-70°	1349.4	28.6
70°-80°	728.1	15.4
80°-90°	48.2	1.0
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°	4717.0	100.0
0°-180°	4717.0	100.0

Coefficient of Utilization



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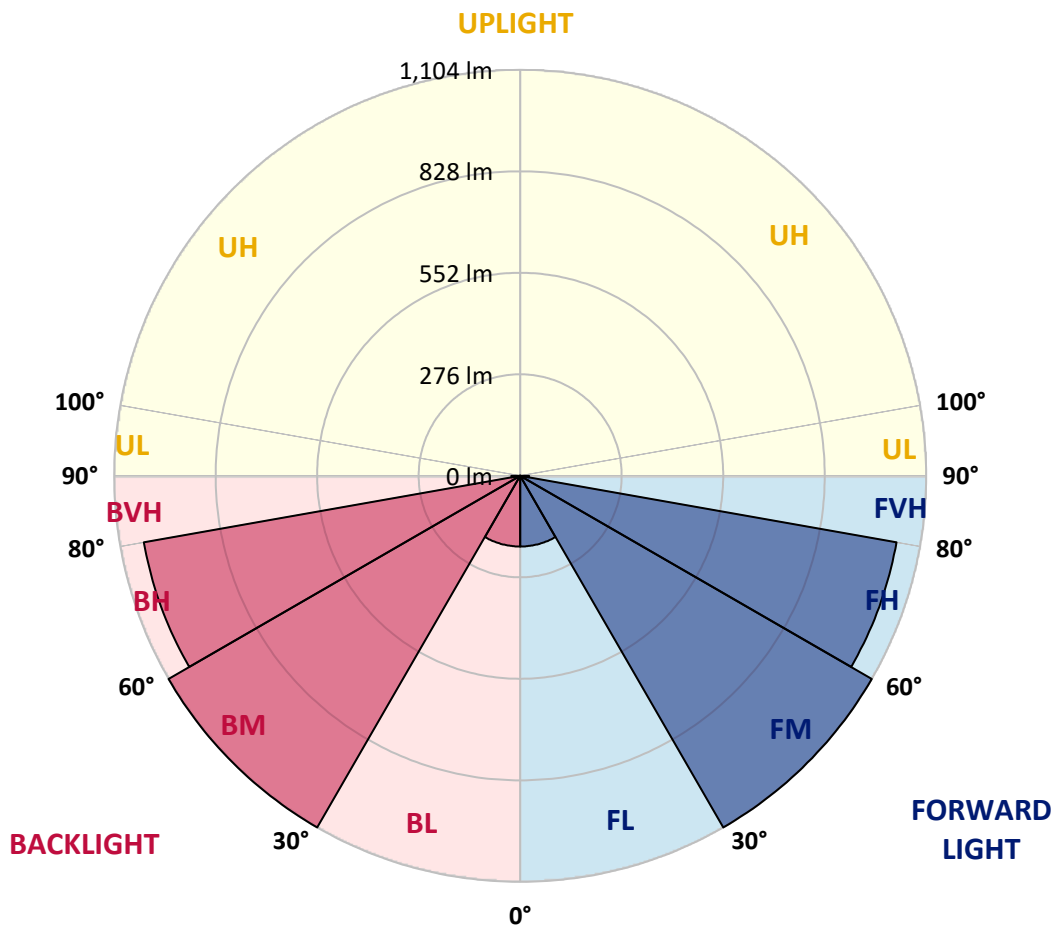
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.2	4.1			
FM	(30°-60°)	1103.5	23.4			
FH	(60°-80°)	1038.7	22.0			G1/1800
FVH	(80°-90°)	24.1	0.5			G1/100
BL	(0°-30°)	192.2	4.1	B1/500		
BM	(30°-60°)	1103.5	23.4	B2/2500		
BH	(60°-80°)	1038.7	22.0	B3/2500		G1/1800
BVH	(80°-90°)	24.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3	307.3
2.5°	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2
5°	322.1	322.1	322.1	322.1	327.1	327.1	327.1	322.1	322.1	322.1	322.1
7.5°	327.1	327.1	327.1	332.1	337.0	337.0	332.1	327.1	322.1	322.1	322.1
10°	342.0	342.0	342.0	342.0	346.9	351.9	342.0	337.0	332.1	332.1	332.1
12.5°	371.7	376.7	371.7	371.7	371.7	371.7	371.7	366.7	361.8	361.8	361.8
15°	411.4	416.3	411.4	406.4	401.4	401.4	401.4	401.4	406.4	411.4	416.3
17.5°	456.0	460.9	451.0	441.1	436.1	431.2	426.2	436.1	446.0	456.0	456.0
20°	485.7	485.7	475.8	470.8	465.9	460.9	460.9	465.9	475.8	475.8	475.8
22.5°	490.6	490.6	490.6	490.6	485.7	490.6	490.6	485.7	480.7	480.7	480.7
25°	495.6	495.6	495.6	500.6	510.5	520.4	510.5	490.6	485.7	485.7	485.7
27.5°	500.6	500.6	515.4	535.3	560.0	574.9	550.1	515.4	495.6	480.7	480.7
30°	540.2	535.3	545.2	574.9	609.6	614.5	599.7	565.0	530.3	495.6	490.6
32.5°	589.8	589.8	594.7	619.5	639.3	639.3	629.4	599.7	574.9	569.9	574.9
35°	644.3	649.2	659.2	664.1	659.2	659.2	654.2	639.3	634.4	634.4	634.4
37.5°	703.8	703.8	708.7	713.7	688.9	679.0	674.0	698.8	698.8	674.0	664.1
40°	778.1	778.1	773.1	768.2	748.4	708.7	733.5	758.3	753.3	753.3	753.3
42.5°	852.4	852.4	837.6	822.7	802.9	788.0	802.9	807.8	827.7	852.4	857.4
45°	936.7	926.8	902.0	887.1	872.3	882.2	877.2	882.2	916.9	941.6	941.6
47.5°	1011.0	1006.1	986.3	966.4	976.3	966.4	971.4	991.2	1011.0	1020.9	1020.9
50°	1095.3	1080.4	1050.7	1065.5	1070.5	1070.5	1090.3	1085.4	1090.3	1105.2	1105.2
52.5°	1120.1	1115.1	1130.0	1134.9	1169.6	1184.5	1179.5	1169.6	1154.8	1139.9	1139.9
55°	1154.8	1159.7	1184.5	1214.2	1258.8	1283.6	1268.7	1234.1	1204.3	1154.8	1139.9
57.5°	1189.5	1174.6	1194.4	1263.8	1358.0	1392.6	1358.0	1298.5	1219.2	1229.1	1239.0
60°	1159.7	1149.8	1194.4	1283.6	1432.3	1491.8	1452.1	1343.1	1298.5	1278.7	1268.7
62.5°	1095.3	1090.3	1159.7	1303.4	1476.9	1581.0	1546.3	1452.1	1362.9	1333.2	1323.3
65°	1011.0	1016.0	1080.4	1258.8	1531.4	1660.3	1670.2	1526.5	1427.3	1422.4	1422.4
67.5°	956.5	961.5	1025.9	1179.5	1467.0	1660.3	1719.7	1585.9	1462.0	1377.8	1372.8
70°	797.9	807.8	956.5	1105.2	1372.8	1521.5	1650.4	1486.8	1258.8	1139.9	1139.9
72.5°	431.2	441.1	624.5	916.9	1125.0	1234.1	1263.8	1149.8	842.5	723.6	708.7
75°	322.1	322.1	431.2	649.2	971.4	986.3	902.0	802.9	624.5	584.8	594.7
77.5°	74.3	79.3	232.9	475.8	609.6	535.3	560.0	619.5	470.8	361.8	396.5
80°	54.5	54.5	64.4	153.6	267.6	351.9	232.9	123.9	114.0	79.3	74.3
82.5°	39.6	39.6	44.6	49.6	59.5	64.4	54.5	54.5	59.5	49.6	44.6
85°	29.7	29.7	29.7	29.7	29.7	29.7	34.7	34.7	34.7	29.7	24.8
87.5°	9.9	9.9	9.9	14.9	14.9	14.9	14.9	14.9	14.9	9.9	9.9
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)