

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: P534586

Luminaire Tested: **GALN-SA4A-AMB-U-5WQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4317 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 79.9
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



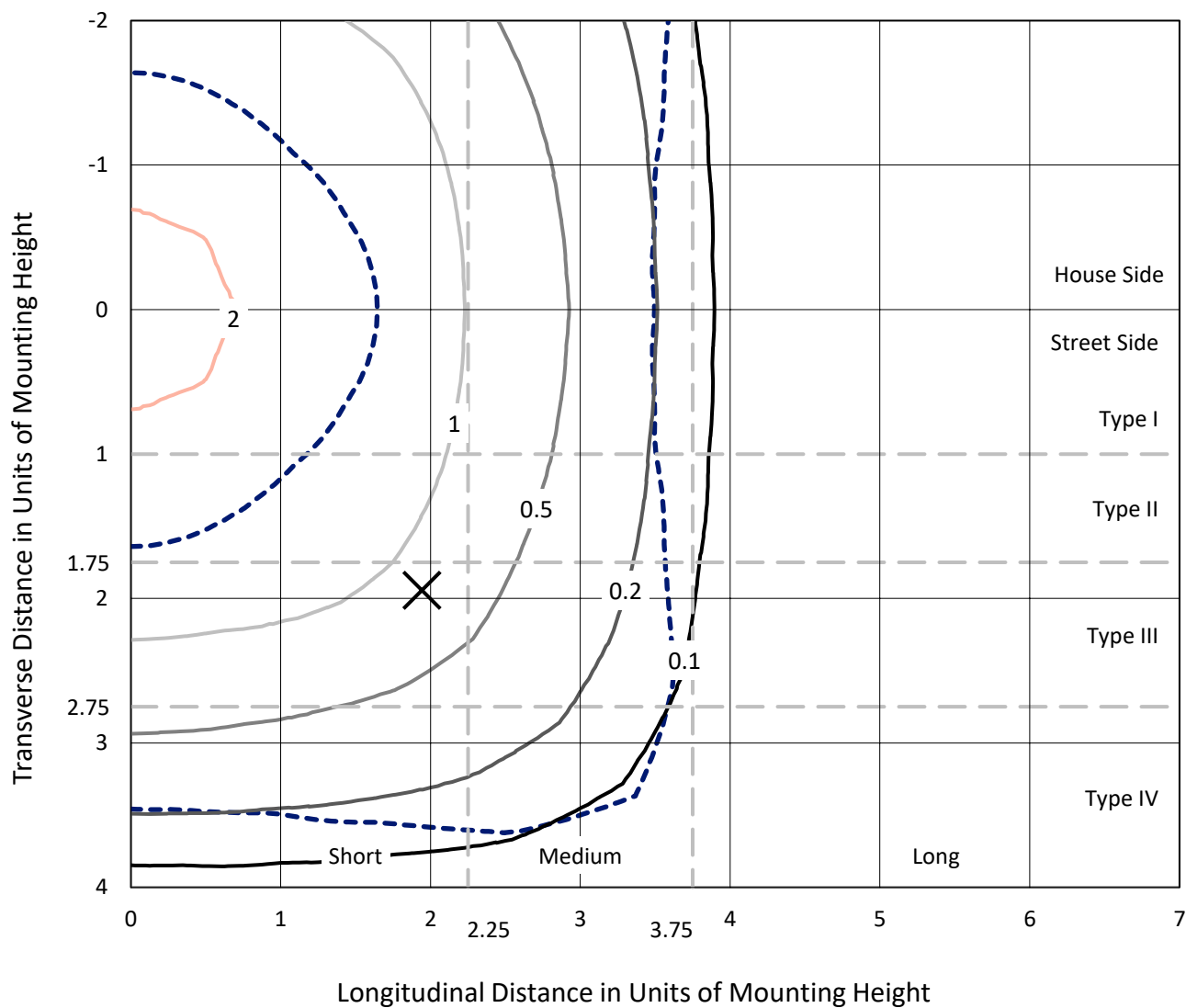
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

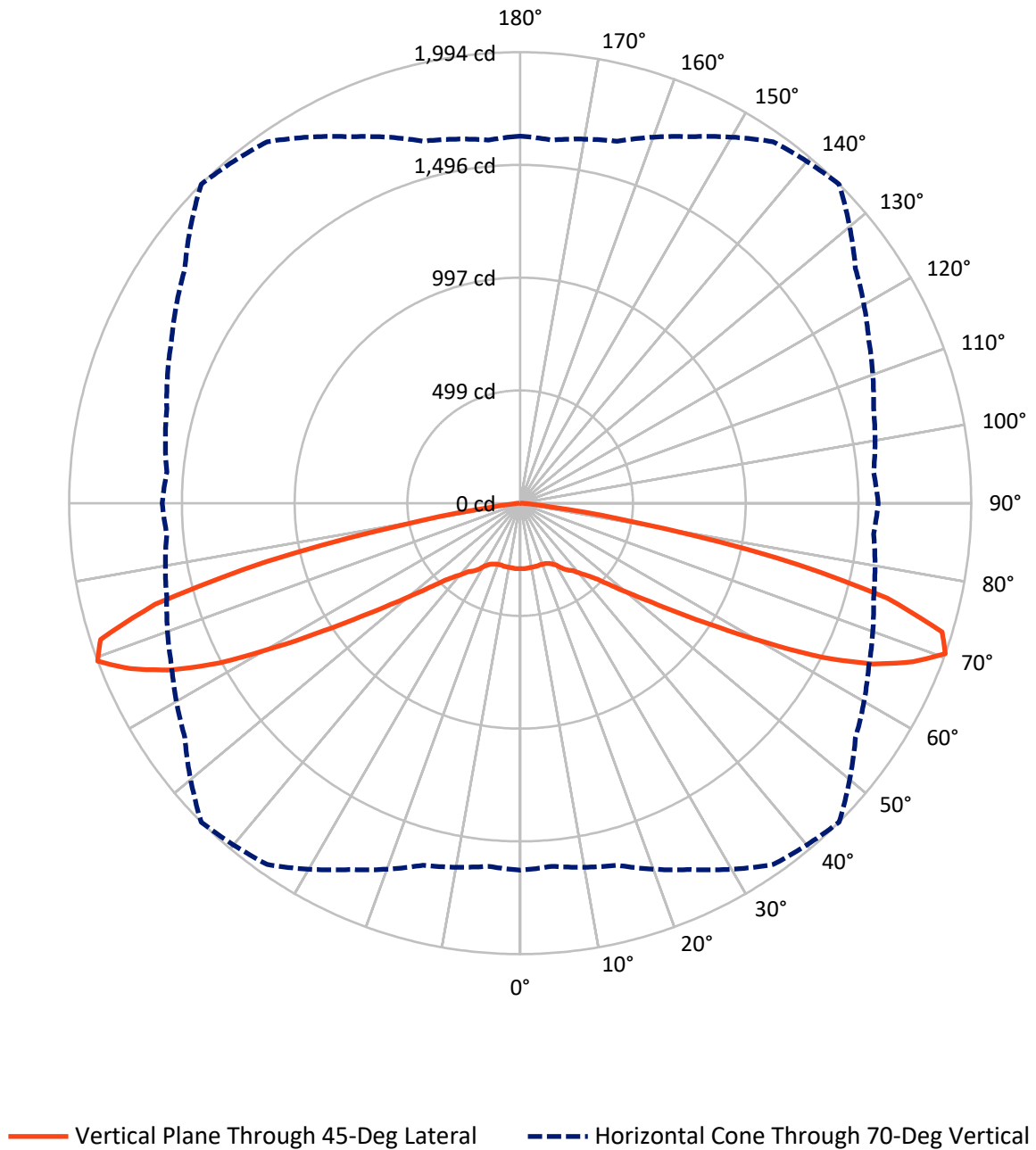


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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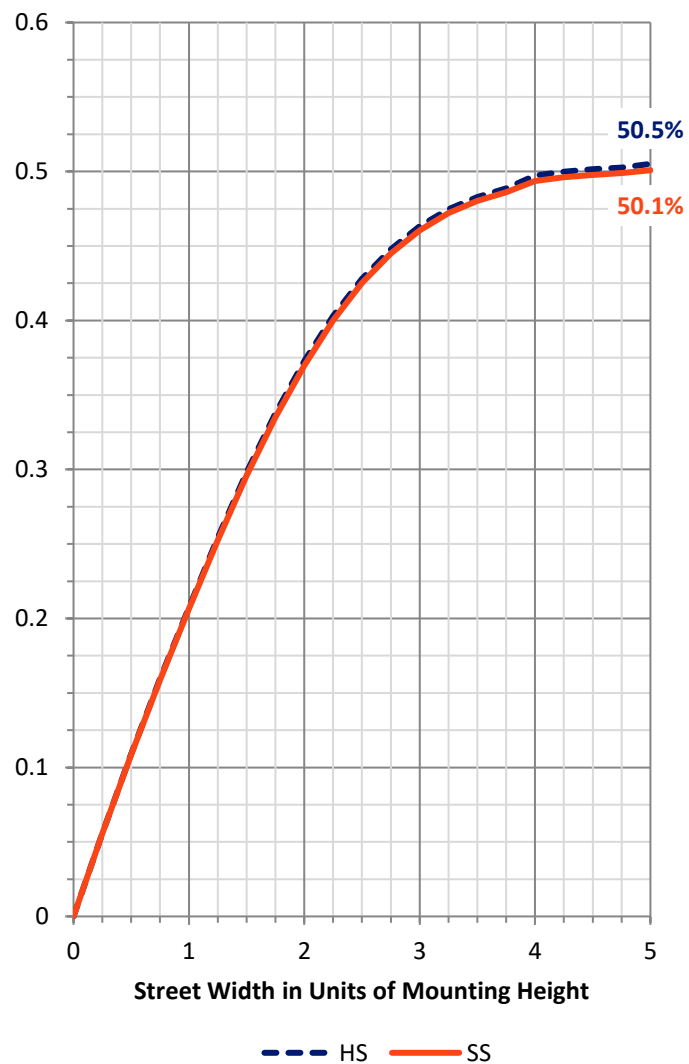
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2158.5	0.0	2158.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2158.5	0.0	2158.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4317.0	0.0	4317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	0.6
10°-20°	82.3	1.9
20°-30°	140.7	3.3
30°-40°	227.1	5.3
40°-50°	391.0	9.1
50°-60°	772.8	17.9
60°-70°	1498.5	34.7
70°-80°	1124.5	26.0
80°-90°	52.3	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°	4317.0	100.0
0°-180°	4317.0	100.0

Coefficient of Utilization



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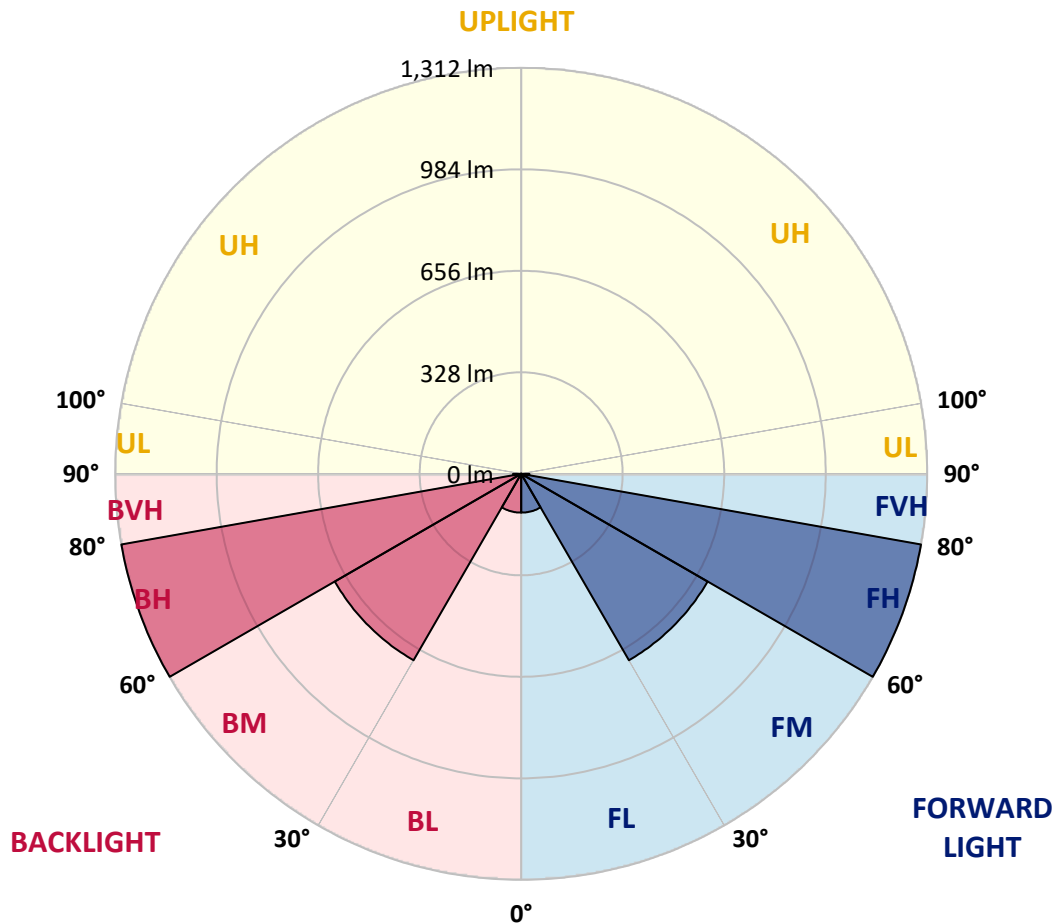
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.3	2.9			
FM	(30°-60°)	695.5	16.1			
FH	(60°-80°)	1311.5	30.4			G1/1800
FVH	(80°-90°)	26.2	0.6			G1/100
BL	(0°-30°)	125.3	2.9	B1/500		
BM	(30°-60°)	695.5	16.1	B1/1000		
BH	(60°-80°)	1311.5	30.4	B3/2500		G1/1800
BVH	(80°-90°)	26.2	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8	289.8
2.5°	291.6	291.6	289.8	289.8	289.8	289.8	289.8	289.8	289.8	291.6	289.8
5°	291.6	291.6	289.8	291.6	289.8	289.8	289.8	289.8	289.8	289.8	291.6
7.5°	293.5	291.6	289.8	289.8	289.8	288.0	288.0	289.8	288.0	289.8	289.8
10°	291.6	291.6	289.8	289.8	288.0	288.0	288.0	289.8	289.8	291.6	291.6
12.5°	293.5	293.5	289.8	288.0	288.0	288.0	288.0	289.8	291.6	293.5	293.5
15°	295.3	293.5	291.6	288.0	286.2	288.0	286.2	289.8	291.6	295.3	295.3
17.5°	297.1	295.3	291.6	288.0	286.2	286.2	288.0	288.0	291.6	297.1	297.1
20°	298.9	297.1	293.5	288.0	286.2	288.0	286.2	289.8	293.5	298.9	298.9
22.5°	302.5	302.5	295.3	291.6	289.8	289.8	291.6	291.6	295.3	300.7	302.5
25°	308.0	308.0	300.7	298.9	297.1	295.3	295.3	297.1	298.9	306.1	306.1
27.5°	320.6	320.6	313.4	308.0	306.1	304.3	304.3	306.1	309.8	317.0	318.8
30°	333.3	331.5	326.1	324.3	324.3	318.8	322.4	324.3	326.1	331.5	333.3
32.5°	342.4	340.6	338.7	338.7	342.4	344.2	342.4	335.1	335.1	340.6	340.6
35°	358.7	356.9	353.2	349.6	355.0	364.1	353.2	349.6	353.2	355.0	356.9
37.5°	384.0	385.8	380.4	376.8	375.0	378.6	371.4	371.4	380.4	389.5	389.5
40°	411.2	413.0	407.6	405.8	407.6	407.6	404.0	405.8	407.6	414.8	416.6
42.5°	451.1	452.9	445.6	440.2	438.4	438.4	432.9	438.4	445.6	454.7	454.7
45°	505.4	505.4	496.3	489.1	480.0	480.0	478.2	489.1	496.3	509.0	509.0
47.5°	565.2	561.6	557.9	548.9	543.4	545.3	543.4	548.9	559.7	574.2	572.4
50°	637.6	637.6	632.2	625.0	619.5	625.0	619.5	626.8	639.5	650.3	648.5
52.5°	726.4	726.4	730.0	721.0	719.2	726.4	715.5	722.8	730.0	740.9	735.5
55°	818.8	824.2	824.2	840.5	838.7	862.3	838.7	844.1	844.1	829.7	829.7
57.5°	934.7	936.5	954.6	978.2	1014.4	1034.4	1003.6	989.1	949.2	934.7	934.7
60°	1063.3	1061.5	1081.5	1148.5	1217.3	1251.7	1208.3	1146.7	1083.3	1056.1	1054.3
62.5°	1239.1	1239.1	1255.4	1336.9	1434.7	1503.5	1414.8	1322.4	1257.2	1224.6	1224.6
65°	1463.7	1463.7	1470.9	1566.9	1673.8	1713.7	1614.0	1523.5	1454.6	1413.0	1414.8
67.5°	1626.7	1623.1	1650.3	1749.9	1867.6	1873.1	1769.8	1670.2	1583.2	1543.4	1547.0
70°	1623.1	1612.2	1657.5	1787.9	1951.0	1994.4	1809.7	1701.0	1617.7	1568.7	1583.2
72.5°	1333.2	1345.9	1438.3	1615.8	1867.6	1951.0	1740.8	1563.3	1402.1	1320.6	1335.1
75°	710.1	728.2	880.4	1166.6	1532.5	1675.6	1467.3	1161.2	900.3	775.3	777.1
77.5°	217.4	217.4	275.3	519.9	936.5	1153.9	945.6	568.8	342.4	248.2	244.5
80°	65.2	67.0	83.3	123.2	295.3	523.5	378.6	164.8	94.2	76.1	77.9
82.5°	27.2	30.8	38.0	39.9	79.7	128.6	92.4	58.0	47.1	38.0	34.4
85°	12.7	12.7	19.9	21.7	27.2	27.2	29.0	30.8	29.0	19.9	18.1
87.5°	3.6	3.6	5.4	5.4	7.2	5.4	9.1	10.9	10.9	5.4	5.4
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)