

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: P534585

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-3)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4333 lumens
Efficiency: N/A
Efficacy: 54.2 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



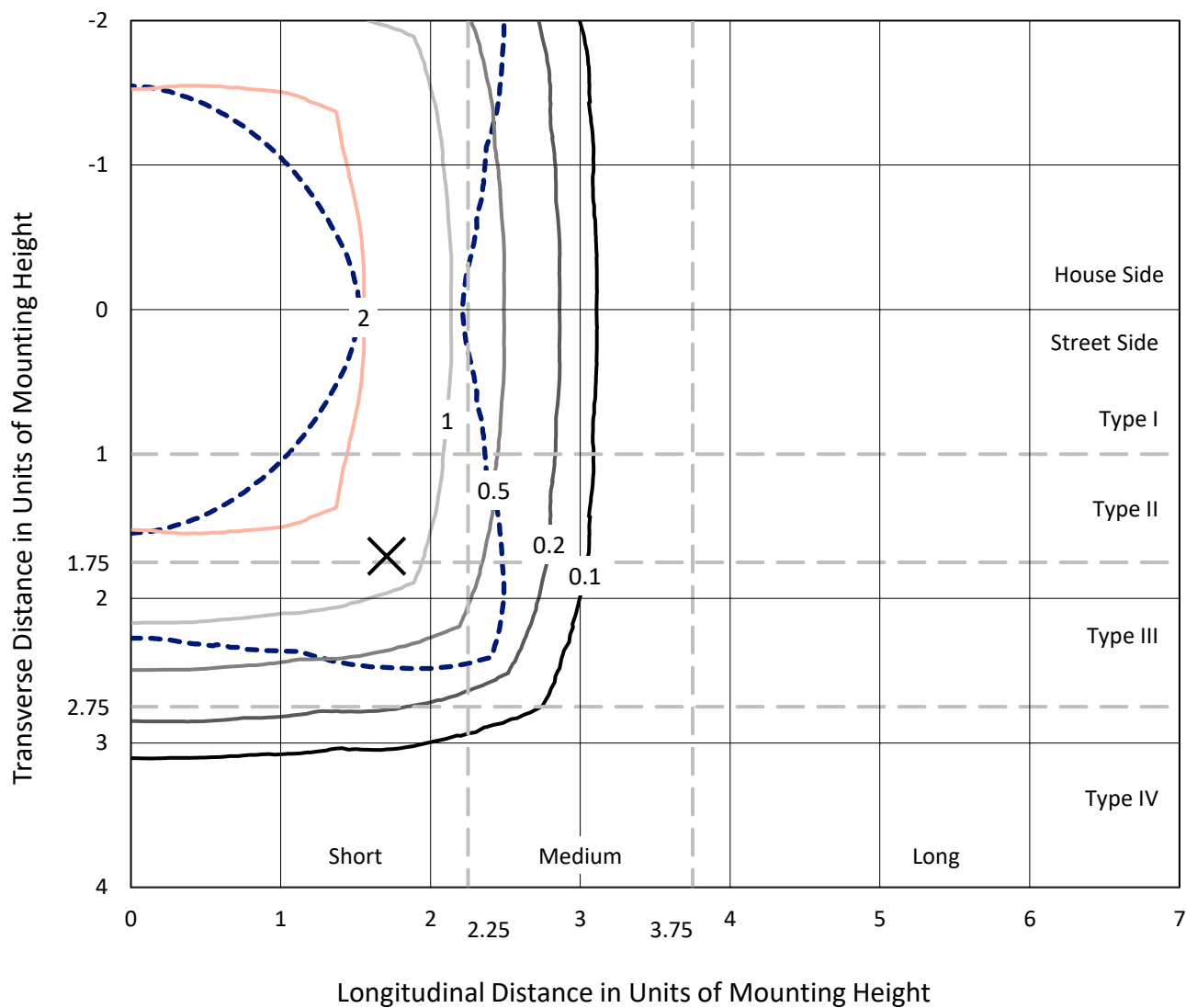
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

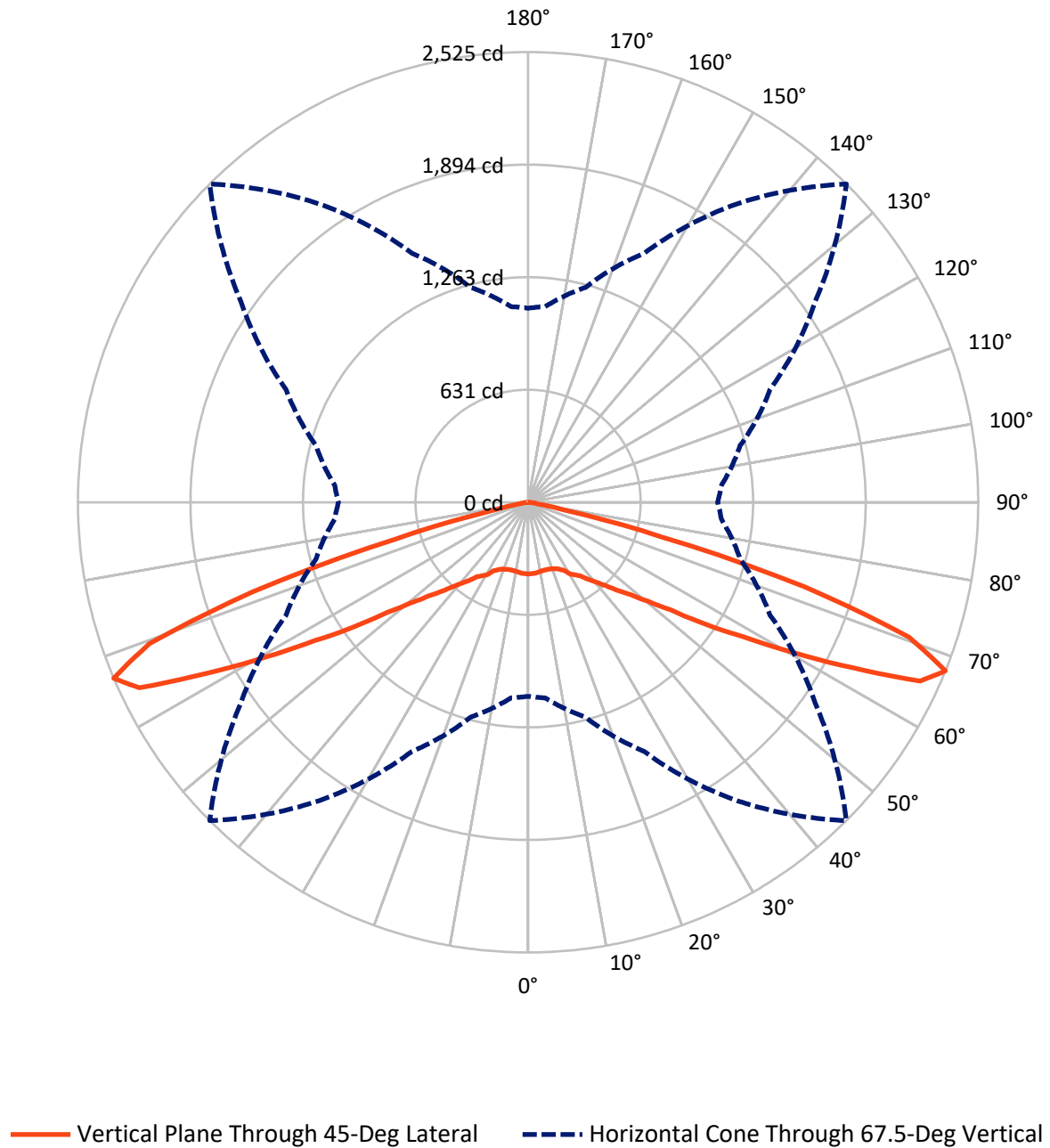


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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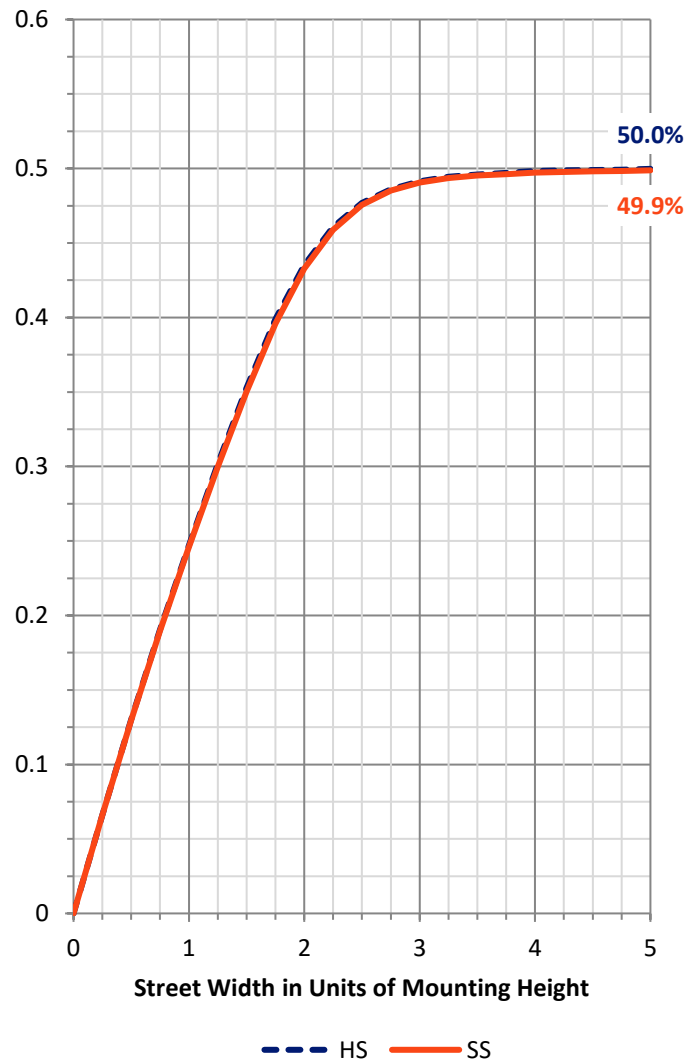
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2166.5	0.0	2166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2166.5	0.0	2166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4333.0	0.0	4333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	0.9
10°-20°	110.5	2.6
20°-30°	192.6	4.4
30°-40°	322.4	7.4
40°-50°	558.9	12.9
50°-60°	1070.1	24.7
60°-70°	1584.4	36.6
70°-80°	435.5	10.1
80°-90°	20.6	0.5
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°	4333.0	100.0
0°-180°	4333.0	100.0

Coefficient of Utilization



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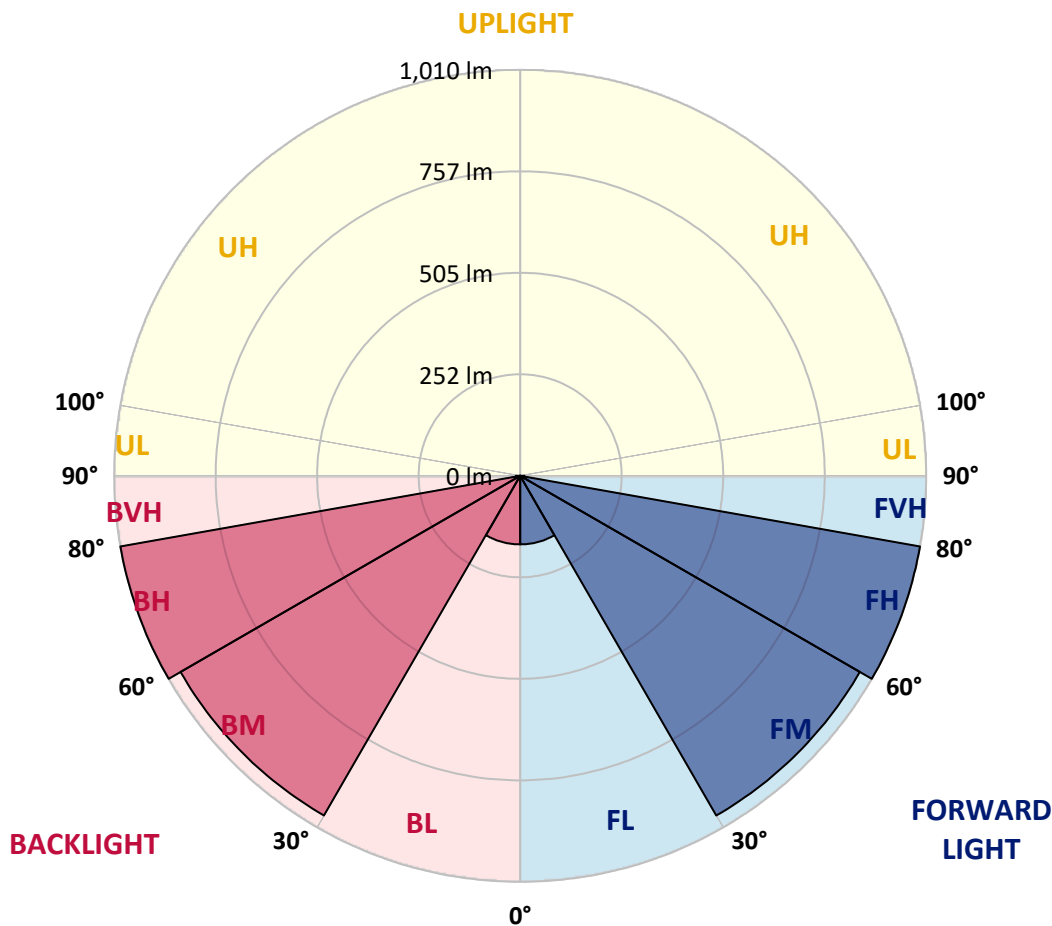
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.6	3.9			
FM	(30°-60°)	975.7	22.5			
FH	(60°-80°)	1010.0	23.3			G1/1800
FVH	(80°-90°)	10.3	0.2			G1/100
BL	(0°-30°)	170.6	3.9	B1/500		
BM	(30°-60°)	975.7	22.5	B1/1000		
BH	(60°-80°)	1010.0	23.3	B3/2500		G1/1800
BVH	(80°-90°)	10.3	0.2			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°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	404.0	404.0	400.3	402.2	402.2	400.3	402.2	402.2	402.2	402.2	402.2
5°	404.0	404.0	402.2	402.2	400.3	400.3	398.5	400.3	398.5	400.3	400.3
7.5°	404.0	398.5	400.3	398.5	396.7	396.7	396.7	394.9	396.7	394.9	394.9
10°	394.9	396.7	394.9	394.9	394.9	393.1	393.1	393.1	391.3	391.3	391.3
12.5°	391.3	391.3	389.5	391.3	393.1	391.3	389.5	387.7	387.7	389.5	387.7
15°	385.9	387.7	387.7	387.7	393.1	391.3	389.5	387.7	387.7	385.9	385.9
17.5°	385.9	384.0	385.9	387.7	393.1	391.3	391.3	387.7	385.9	385.9	384.0
20°	382.2	384.0	387.7	393.1	394.9	398.5	396.7	393.1	389.5	389.5	385.9
22.5°	387.7	387.7	393.1	394.9	402.2	404.0	402.2	402.2	396.7	394.9	393.1
25°	400.3	400.3	404.0	411.2	414.8	416.6	413.0	414.8	407.6	409.4	407.6
27.5°	414.8	416.6	422.1	429.3	434.8	433.0	436.6	431.1	425.7	422.1	422.1
30°	438.4	440.2	445.6	452.9	461.9	467.4	463.7	451.1	447.4	443.8	442.0
32.5°	465.6	463.7	469.2	480.1	489.1	485.5	483.7	480.1	474.6	472.8	471.0
35°	494.5	489.1	498.2	509.0	512.7	507.2	509.0	512.7	503.6	501.8	498.2
37.5°	523.5	523.5	532.6	541.6	547.1	548.9	547.1	548.9	543.5	538.0	538.0
40°	567.0	565.2	576.1	583.3	590.6	588.7	590.6	596.0	592.4	588.7	585.1
42.5°	621.4	615.9	630.4	637.7	643.1	639.5	646.7	654.0	652.1	646.7	643.1
45°	677.5	681.1	693.8	704.7	704.7	704.7	715.5	722.8	719.2	719.2	711.9
47.5°	751.8	759.0	773.5	784.4	788.0	775.3	791.6	811.6	806.1	795.3	788.0
50°	846.0	840.5	865.9	885.8	882.2	873.2	902.1	918.4	911.2	894.9	891.3
52.5°	954.7	954.7	976.4	1007.2	1014.5	1003.6	1038.0	1059.7	1038.0	1025.3	1019.9
55°	1099.6	1101.4	1119.5	1157.6	1186.5	1206.5	1217.3	1208.3	1182.9	1164.8	1150.3
57.5°	1260.8	1268.1	1311.5	1347.8	1389.4	1422.0	1413.0	1373.1	1318.8	1280.7	1280.7
60°	1456.5	1460.1	1499.9	1576.0	1661.2	1711.9	1623.1	1519.9	1443.8	1396.7	1385.8
62.5°	1499.9	1510.8	1605.0	1766.2	1951.0	2043.4	1851.4	1664.8	1530.7	1449.2	1443.8
65°	1394.9	1398.5	1530.7	1768.0	2123.1	2416.6	2016.2	1686.5	1449.2	1324.2	1309.7
67.5°	1088.7	1101.4	1248.1	1541.6	2043.4	2525.3	1967.3	1498.1	1231.8	1088.7	1063.4
70°	635.8	655.8	760.8	1041.6	1663.0	2268.0	1621.3	1079.7	793.4	673.9	663.0
72.5°	298.9	306.1	369.5	543.5	1047.1	1621.3	1061.6	583.3	367.7	311.6	297.1
75°	101.4	106.9	119.6	186.6	433.0	771.7	429.3	186.6	123.2	115.9	112.3
77.5°	59.8	58.0	59.8	63.4	110.5	208.3	115.9	70.6	63.4	65.2	65.2
80°	36.2	36.2	41.7	43.5	47.1	56.2	54.3	50.7	47.1	39.9	39.9
82.5°	18.1	19.9	29.0	30.8	30.8	34.4	36.2	38.0	34.4	21.7	21.7
85°	10.9	9.1	16.3	18.1	18.1	14.5	19.9	23.5	21.7	10.9	12.7
87.5°	1.8	1.8	5.4	5.4	5.4	3.6	5.4	7.2	7.2	3.6	1.8
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)