

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: P534609

Luminaire Tested: **GALN-SA7A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534609
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-SA7A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7263 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 138.6
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

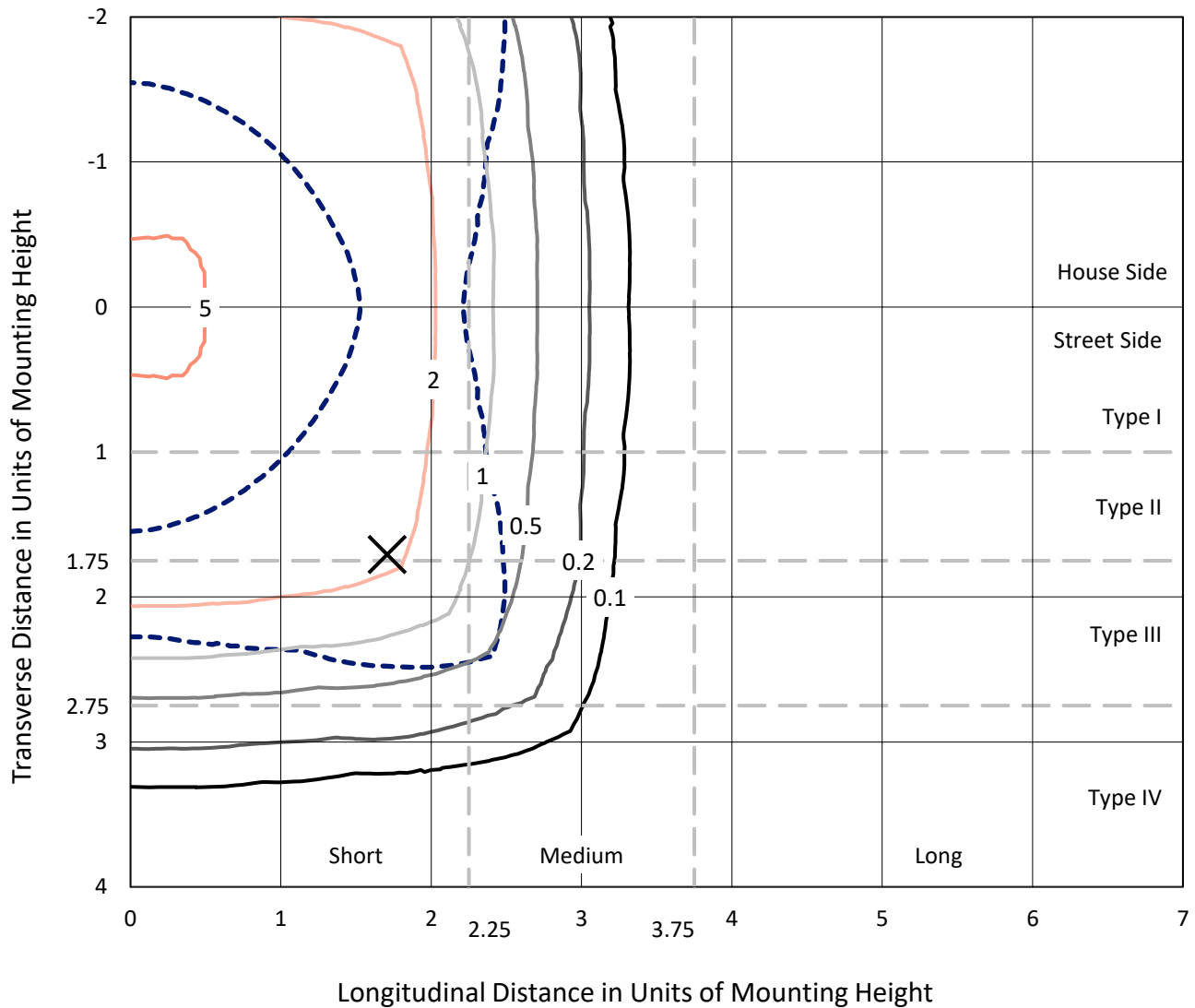


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Iso-Footcandle Lines of Horizontal Illumination

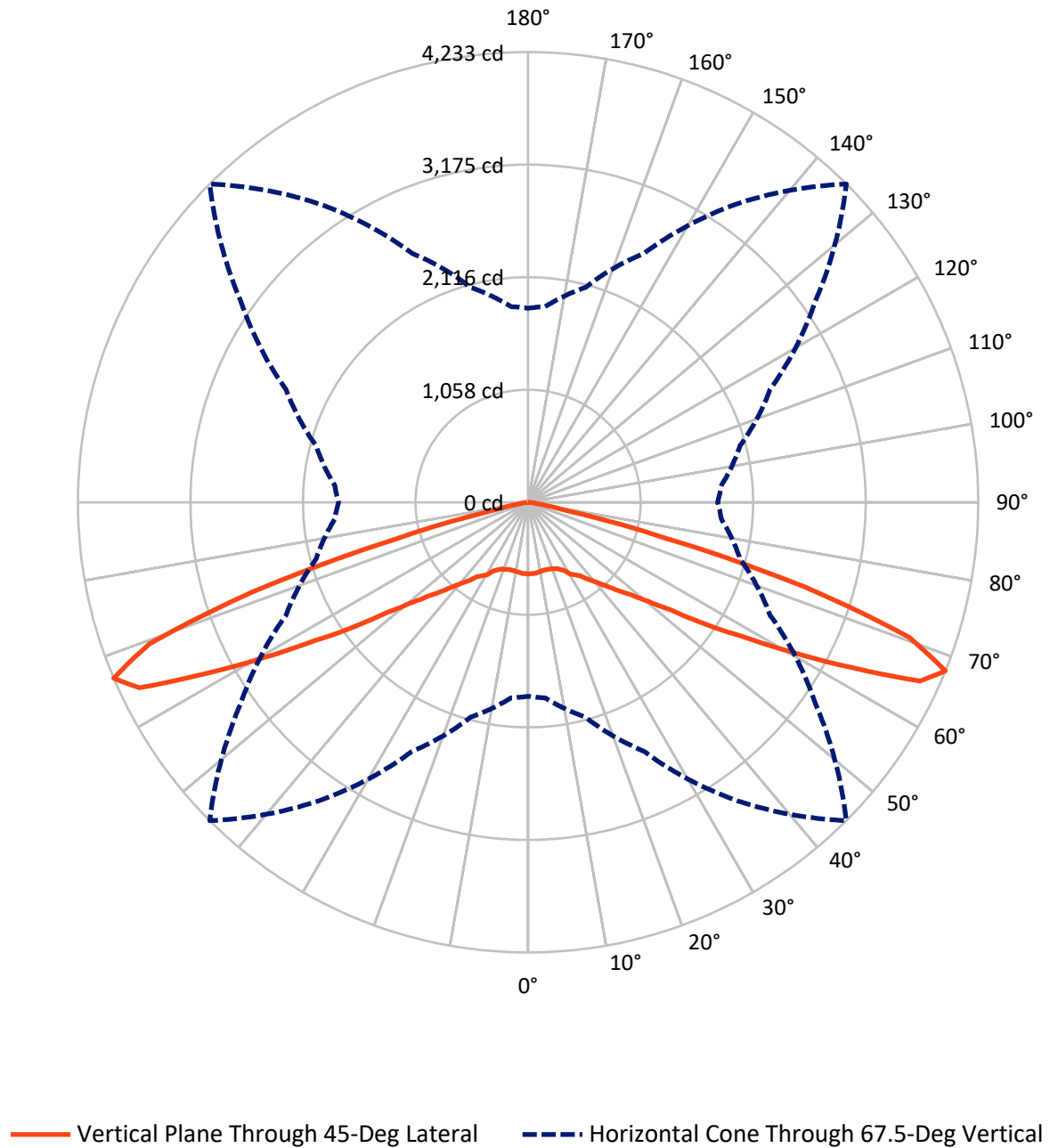
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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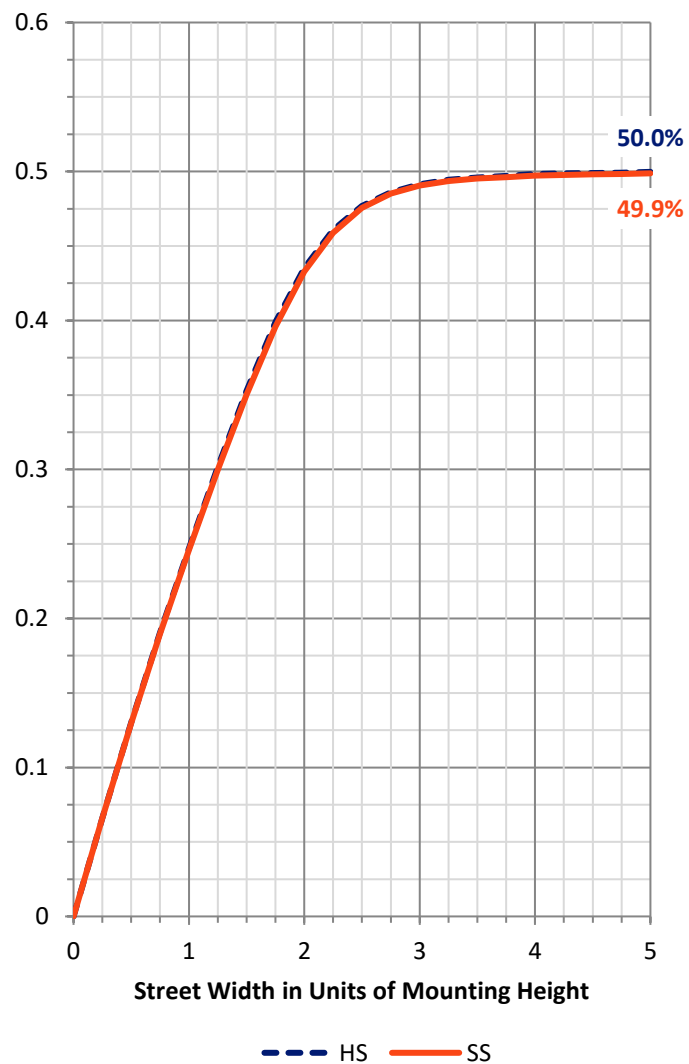
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3631.5	0.0	3631.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3631.5	0.0	3631.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7263.0	0.0	7263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	0.9
10°-20°	185.2	2.5
20°-30°	322.9	4.4
30°-40°	540.5	7.4
40°-50°	936.8	12.9
50°-60°	1793.7	24.7
60°-70°	2655.8	36.6
70°-80°	730.0	10.1
80°-90°	34.5	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°	7263.0	100.0
0°-180°	7263.0	100.0

Coefficient of Utilization



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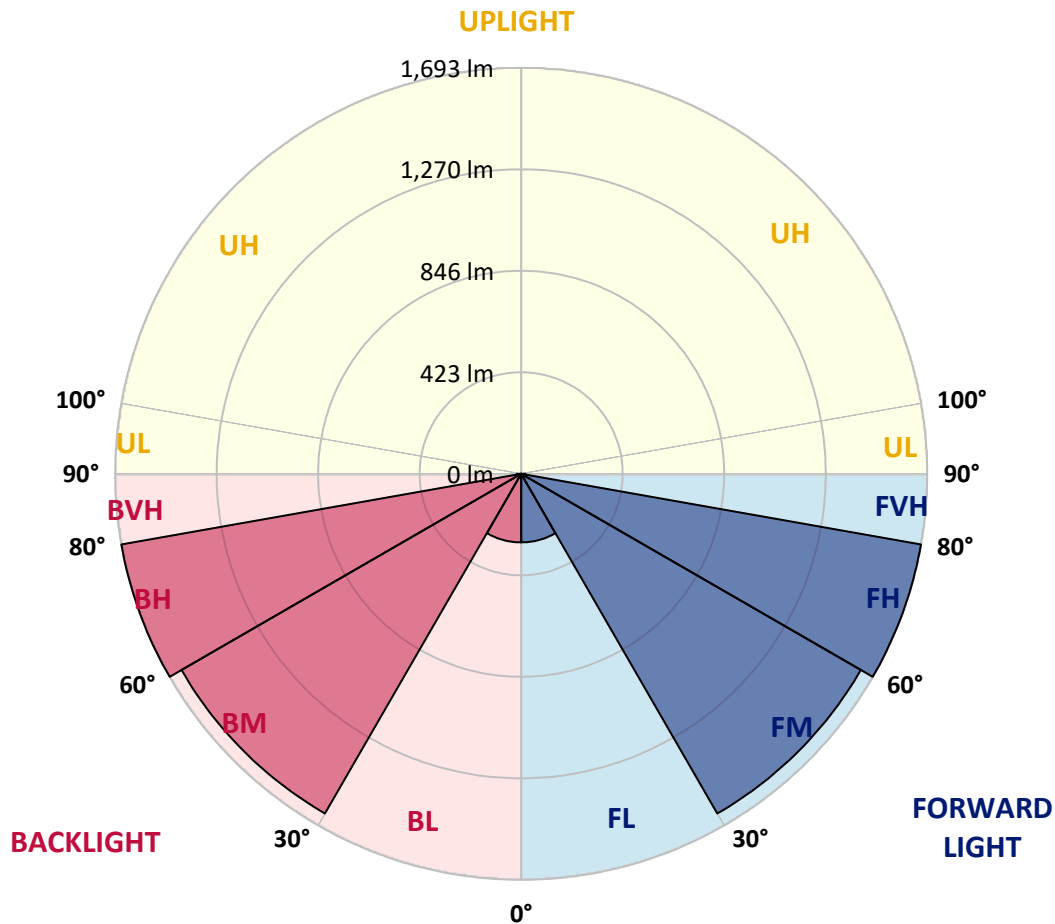
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.9	3.9			
FM	(30°-60°)	1635.5	22.5			
FH	(60°-80°)	1692.9	23.3			G1/1800
FVH	(80°-90°)	17.2	0.2			G1/100
BL	(0°-30°)	285.9	3.9	B1/500		
BM	(30°-60°)	1635.5	22.5	B2/2500		
BH	(60°-80°)	1692.9	23.3	B3/2500		G1/1800
BVH	(80°-90°)	17.2	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°	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1	674.1
2.5°	677.1	677.1	671.1	674.1	674.1	671.1	674.1	674.1	674.1	674.1	674.1
5°	677.1	677.1	674.1	674.1	671.1	671.1	668.0	671.1	668.0	671.1	671.1
7.5°	677.1	668.0	671.1	668.0	665.0	665.0	665.0	662.0	665.0	662.0	662.0
10°	662.0	665.0	662.0	662.0	662.0	658.9	658.9	658.9	655.9	655.9	655.9
12.5°	655.9	655.9	652.8	655.9	658.9	655.9	652.8	649.8	649.8	652.8	649.8
15°	646.8	649.8	649.8	649.8	658.9	655.9	652.8	649.8	649.8	646.8	646.8
17.5°	646.8	643.7	646.8	649.8	658.9	658.9	655.9	649.8	646.8	646.8	643.7
20°	640.7	643.7	649.8	658.9	662.0	668.0	665.0	658.9	652.8	652.8	646.8
22.5°	649.8	649.8	658.9	662.0	674.1	677.1	674.1	674.1	665.0	662.0	658.9
25°	671.1	671.1	677.1	689.3	695.4	698.4	692.3	695.4	683.2	686.2	683.2
27.5°	695.4	698.4	707.5	719.6	728.8	725.7	731.8	722.7	713.6	707.5	707.5
30°	734.8	737.9	747.0	759.1	774.3	783.4	777.3	756.1	750.0	743.9	740.9
32.5°	780.4	777.3	786.4	804.7	819.8	813.8	810.7	804.7	795.6	792.5	789.5
35°	829.0	819.8	835.0	853.3	859.3	850.2	853.3	859.3	844.1	841.1	835.0
37.5°	877.5	877.5	892.7	907.9	917.0	920.1	917.0	920.1	910.9	901.8	901.8
40°	950.4	947.4	965.6	977.7	989.9	986.9	989.9	999.0	992.9	986.9	980.8
42.5°	1041.5	1032.4	1056.7	1068.8	1077.9	1071.9	1084.0	1096.2	1093.1	1084.0	1077.9
45°	1135.6	1141.7	1163.0	1181.2	1181.2	1181.2	1199.4	1211.6	1205.5	1205.5	1193.3
47.5°	1260.1	1272.3	1296.6	1314.8	1320.9	1299.6	1326.9	1360.3	1351.2	1333.0	1320.9
50°	1418.0	1408.9	1451.4	1484.8	1478.8	1463.6	1512.2	1539.5	1527.3	1500.0	1493.9
52.5°	1600.2	1600.2	1636.7	1688.3	1700.4	1682.2	1739.9	1776.3	1739.9	1718.6	1709.5
55°	1843.1	1846.2	1876.5	1940.3	1988.9	2022.3	2040.5	2025.3	1982.8	1952.5	1928.2
57.5°	2113.4	2125.5	2198.4	2259.1	2329.0	2383.6	2368.5	2301.7	2210.6	2146.8	2146.8
60°	2441.3	2447.4	2514.2	2641.7	2784.5	2869.5	2720.7	2547.6	2420.1	2341.1	2322.9
62.5°	2514.2	2532.4	2690.3	2960.6	3270.3	3425.1	3103.3	2790.5	2565.8	2429.2	2420.1
65°	2338.1	2344.2	2565.8	2963.6	3558.8	4050.7	3379.6	2827.0	2429.2	2219.7	2195.4
67.5°	1824.9	1846.2	2092.1	2584.0	3425.1	4232.9	3297.6	2511.2	2064.8	1824.9	1782.4
70°	1065.8	1099.2	1275.3	1746.0	2787.5	3801.7	2717.6	1809.7	1330.0	1129.6	1111.4
72.5°	501.0	513.2	619.4	910.9	1755.1	2717.6	1779.4	977.7	616.4	522.3	498.0
75°	170.0	179.2	200.4	312.8	725.7	1293.5	719.6	312.8	206.5	194.3	188.3
77.5°	100.2	97.2	100.2	106.3	185.2	349.2	194.3	118.4	106.3	109.3	109.3
80°	60.7	60.7	69.8	72.9	78.9	94.1	91.1	85.0	78.9	66.8	66.8
82.5°	30.4	33.4	48.6	51.6	51.6	57.7	60.7	63.8	57.7	36.4	36.4
85°	18.2	15.2	27.3	30.4	30.4	24.3	33.4	39.5	36.4	18.2	21.3
87.5°	3.0	3.0	9.1	9.1	9.1	6.1	9.1	12.1	12.1	6.1	3.0
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)