

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: P534625

Luminaire Tested: **GALN-SA9A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534625
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-SA9A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 8852 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 177.2
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



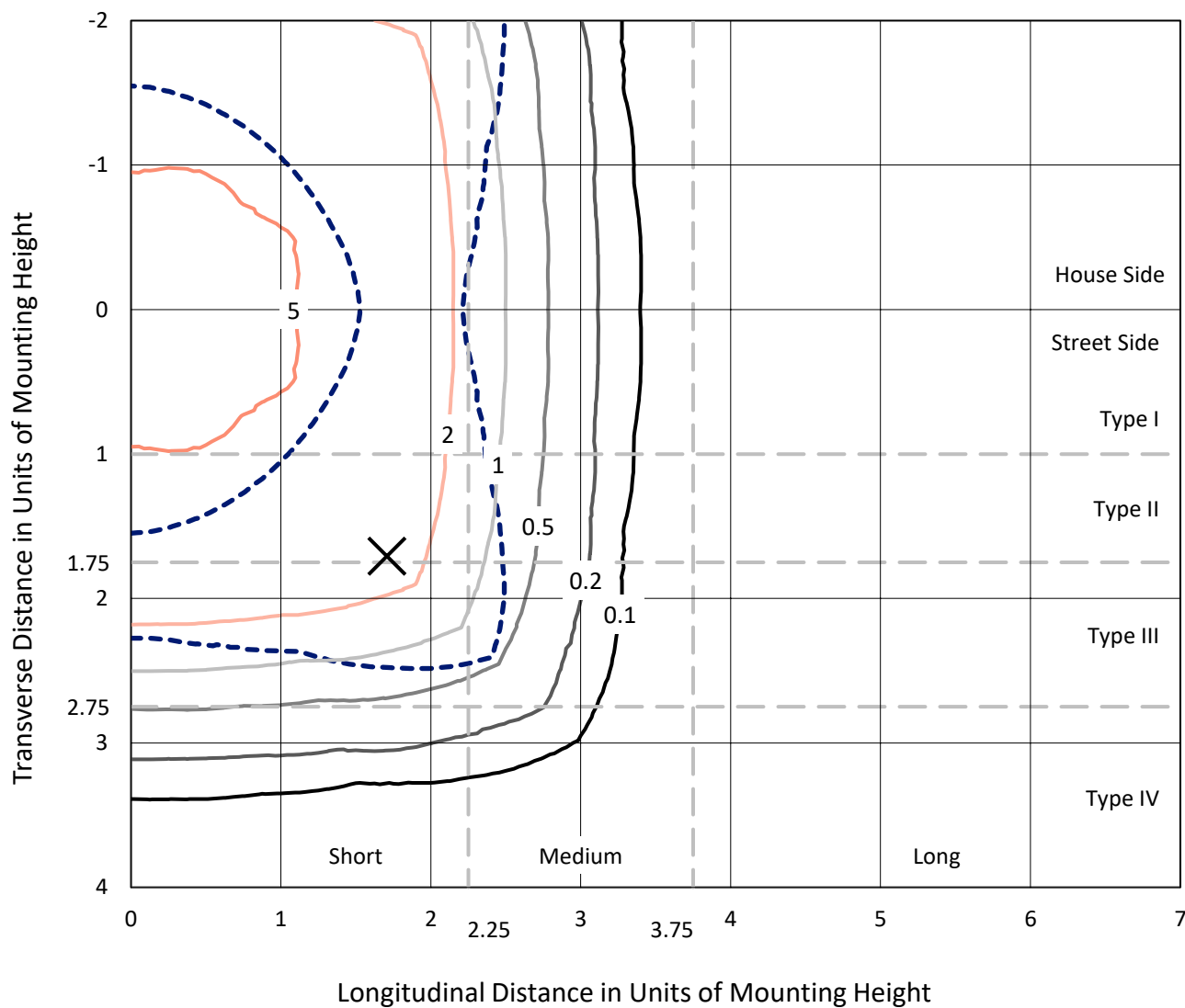
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

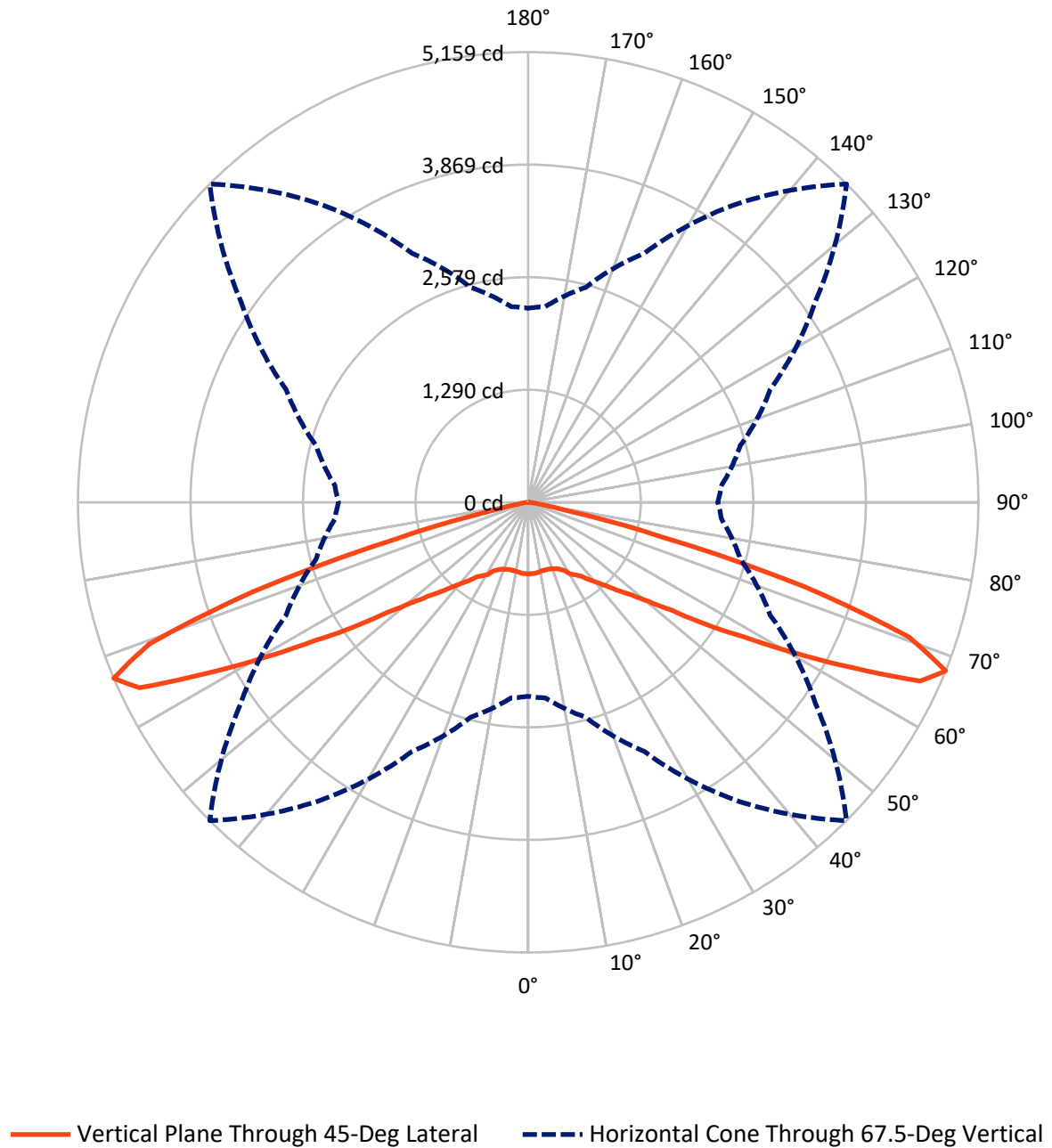
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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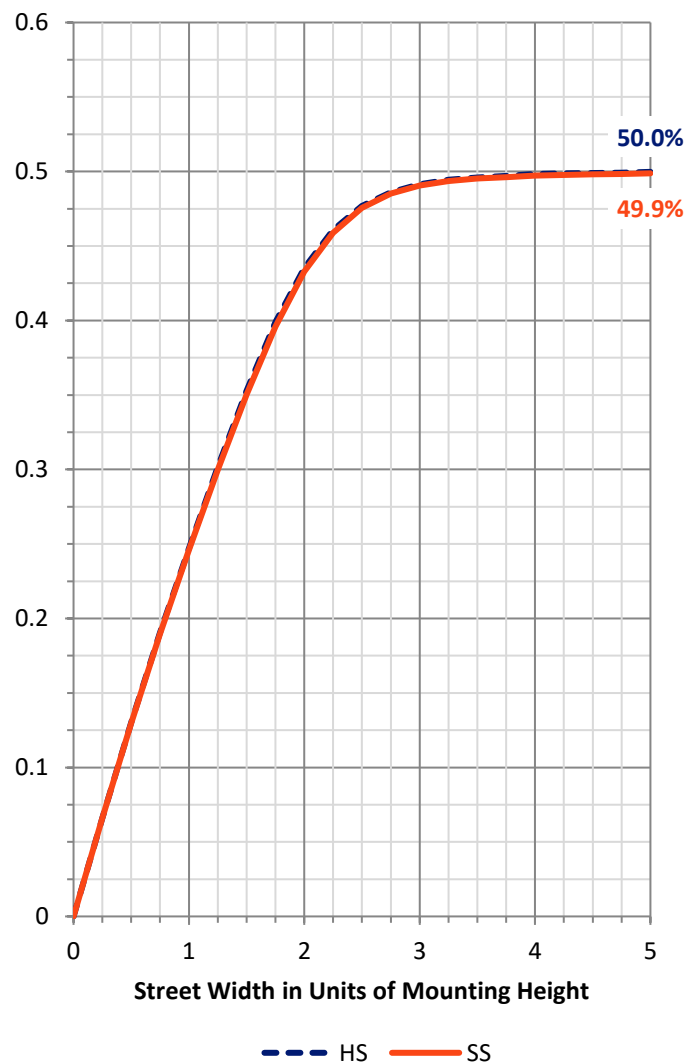
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4426.0	0.0	4426.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4426.0	0.0	4426.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8852.0	0.0	8852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	0.9
10°-20°	225.7	2.6
20°-30°	393.6	4.4
30°-40°	658.7	7.4
40°-50°	1141.7	12.9
50°-60°	2186.1	24.7
60°-70°	3236.8	36.6
70°-80°	889.8	10.1
80°-90°	42.0	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°	8852.0	100.0
0°-180°	8852.0	100.0

Coefficient of Utilization



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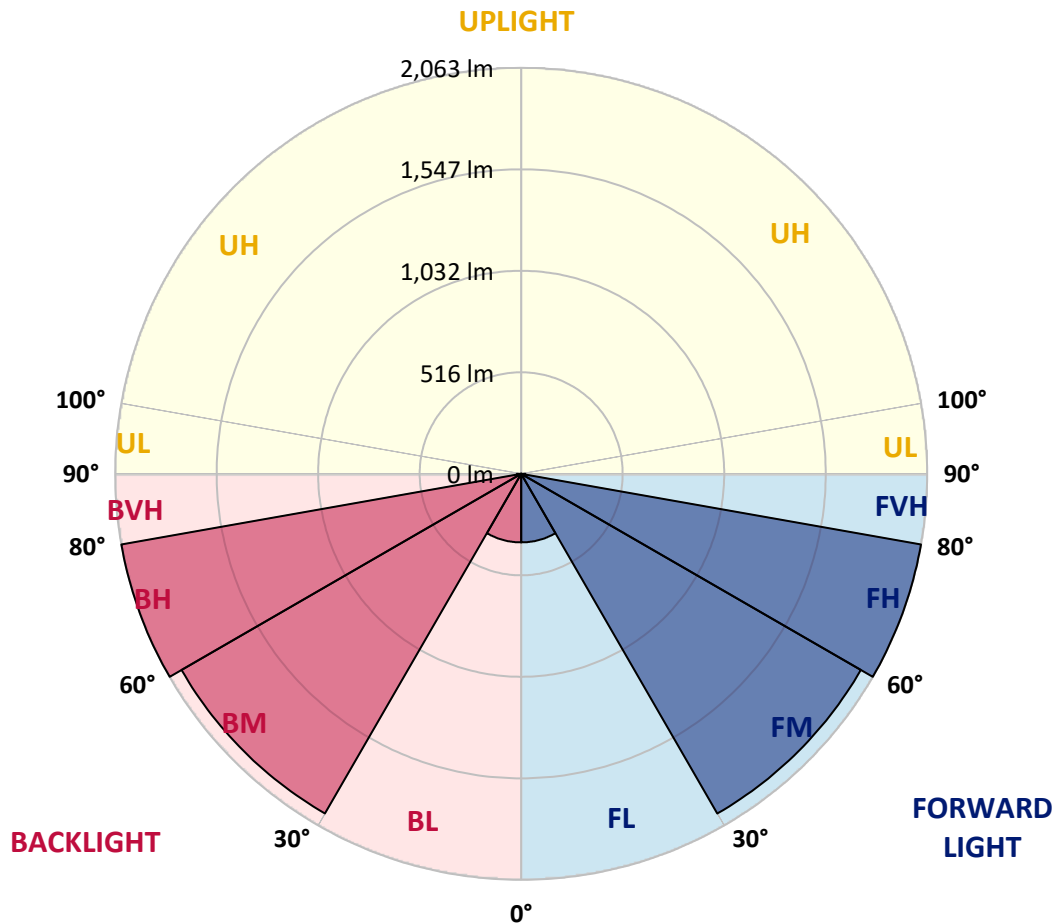
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.5	3.9			
FM	(30°-60°)	1993.3	22.5			
FH	(60°-80°)	2063.3	23.3			G2/5000
FVH	(80°-90°)	21.0	0.2			G1/100
BL	(0°-30°)	348.5	3.9	B1/500		
BM	(30°-60°)	1993.3	22.5	B2/2500		
BH	(60°-80°)	2063.3	23.3	B3/2500		G2/5000
BVH	(80°-90°)	21.0	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6
2.5°	825.3	825.3	817.9	821.6	821.6	817.9	821.6	821.6	821.6	821.6	821.6
5°	825.3	825.3	821.6	821.6	817.9	817.9	814.2	817.9	814.2	817.9	817.9
7.5°	825.3	814.2	817.9	814.2	810.5	810.5	810.5	806.8	810.5	806.8	806.8
10°	806.8	810.5	806.8	806.8	806.8	803.1	803.1	803.1	799.4	799.4	799.4
12.5°	799.4	799.4	795.7	799.4	803.1	799.4	795.7	792.0	792.0	795.7	792.0
15°	788.3	792.0	792.0	792.0	803.1	799.4	795.7	792.0	792.0	788.3	788.3
17.5°	788.3	784.6	788.3	792.0	803.1	803.1	799.4	792.0	788.3	788.3	784.6
20°	780.9	784.6	792.0	803.1	806.8	814.2	810.5	803.1	795.7	795.7	788.3
22.5°	792.0	792.0	803.1	806.8	821.6	825.3	821.6	821.6	810.5	806.8	803.1
25°	817.9	817.9	825.3	840.1	847.5	851.2	843.8	847.5	832.7	836.4	832.7
27.5°	847.5	851.2	862.3	877.1	888.2	884.5	891.9	880.8	869.7	862.3	862.3
30°	895.6	899.3	910.4	925.2	943.7	954.8	947.4	921.5	914.1	906.7	903.0
32.5°	951.1	947.4	958.5	980.7	999.2	991.8	988.1	980.7	969.6	965.9	962.2
35°	1010.3	999.2	1017.7	1039.9	1047.3	1036.2	1039.9	1047.3	1028.8	1025.1	1017.7
37.5°	1069.5	1069.5	1088.0	1106.5	1117.6	1121.3	1117.6	1121.3	1110.2	1099.1	1099.1
40°	1158.4	1154.6	1176.9	1191.7	1206.5	1202.8	1206.5	1217.6	1210.2	1202.8	1195.4
42.5°	1269.4	1258.3	1287.9	1302.7	1313.8	1306.4	1321.2	1336.0	1332.3	1321.2	1313.8
45°	1384.1	1391.5	1417.4	1439.6	1439.6	1439.6	1461.8	1476.6	1469.2	1469.2	1454.4
47.5°	1535.8	1550.6	1580.2	1602.4	1609.8	1583.9	1617.2	1658.0	1646.9	1624.7	1609.8
50°	1728.3	1717.2	1769.0	1809.7	1802.3	1783.8	1843.0	1876.3	1861.5	1828.2	1820.8
52.5°	1950.3	1950.3	1994.7	2057.6	2072.4	2050.2	2120.6	2165.0	2120.6	2094.7	2083.6
55°	2246.4	2250.1	2287.1	2364.8	2424.0	2464.7	2486.9	2468.4	2416.6	2379.6	2350.0
57.5°	2575.8	2590.6	2679.4	2753.4	2838.5	2905.1	2886.6	2805.2	2694.2	2616.5	2616.5
60°	2975.4	2982.8	3064.3	3219.7	3393.6	3497.3	3315.9	3105.0	2949.5	2853.3	2831.1
62.5°	3064.3	3086.5	3278.9	3608.3	3985.8	4174.5	3782.2	3401.0	3127.2	2960.6	2949.5
65°	2849.6	2857.0	3127.2	3612.0	4337.3	4936.9	4119.0	3445.4	2960.6	2705.3	2675.7
67.5°	2224.2	2250.1	2549.9	3149.4	4174.5	5158.9	4019.1	3060.6	2516.5	2224.2	2172.4
70°	1299.0	1339.7	1554.3	2128.0	3397.3	4633.4	3312.2	2205.7	1621.0	1376.7	1354.5
72.5°	610.6	625.4	755.0	1110.2	2139.1	3312.2	2168.7	1191.7	751.3	636.5	606.9
75°	207.2	218.3	244.3	381.2	884.5	1576.5	877.1	381.2	251.7	236.9	229.4
77.5°	122.1	118.4	122.1	129.5	225.7	425.6	236.9	144.3	129.5	133.2	133.2
80°	74.0	74.0	85.1	88.8	96.2	114.7	111.0	103.6	96.2	81.4	81.4
82.5°	37.0	40.7	59.2	62.9	62.9	70.3	74.0	77.7	70.3	44.4	44.4
85°	22.2	18.5	33.3	37.0	37.0	29.6	40.7	48.1	44.4	22.2	25.9
87.5°	3.7	3.7	11.1	11.1	11.1	7.4	11.1	14.8	14.8	7.4	3.7
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)