

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: P534626

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534626
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-SA9A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8819 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

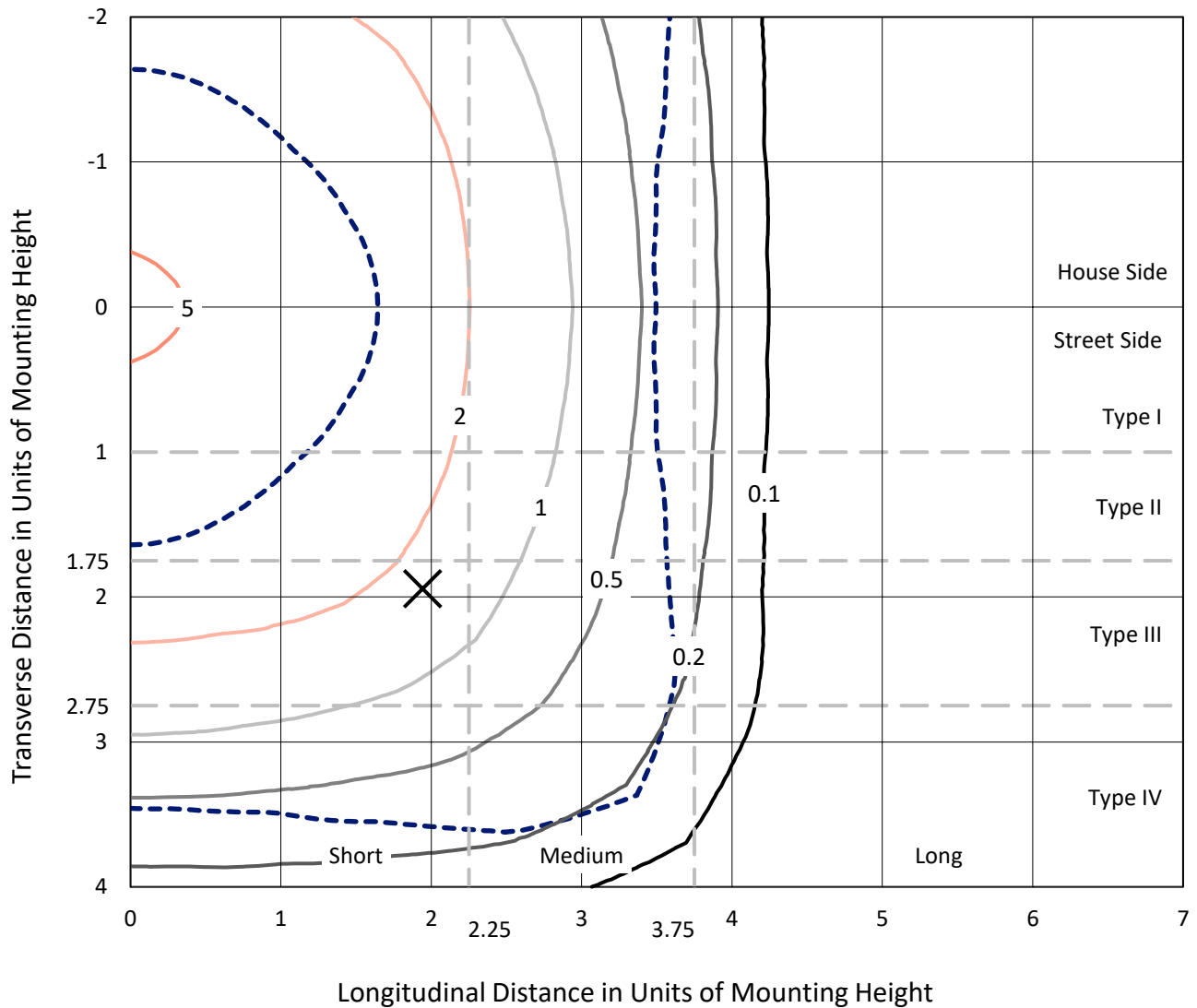
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

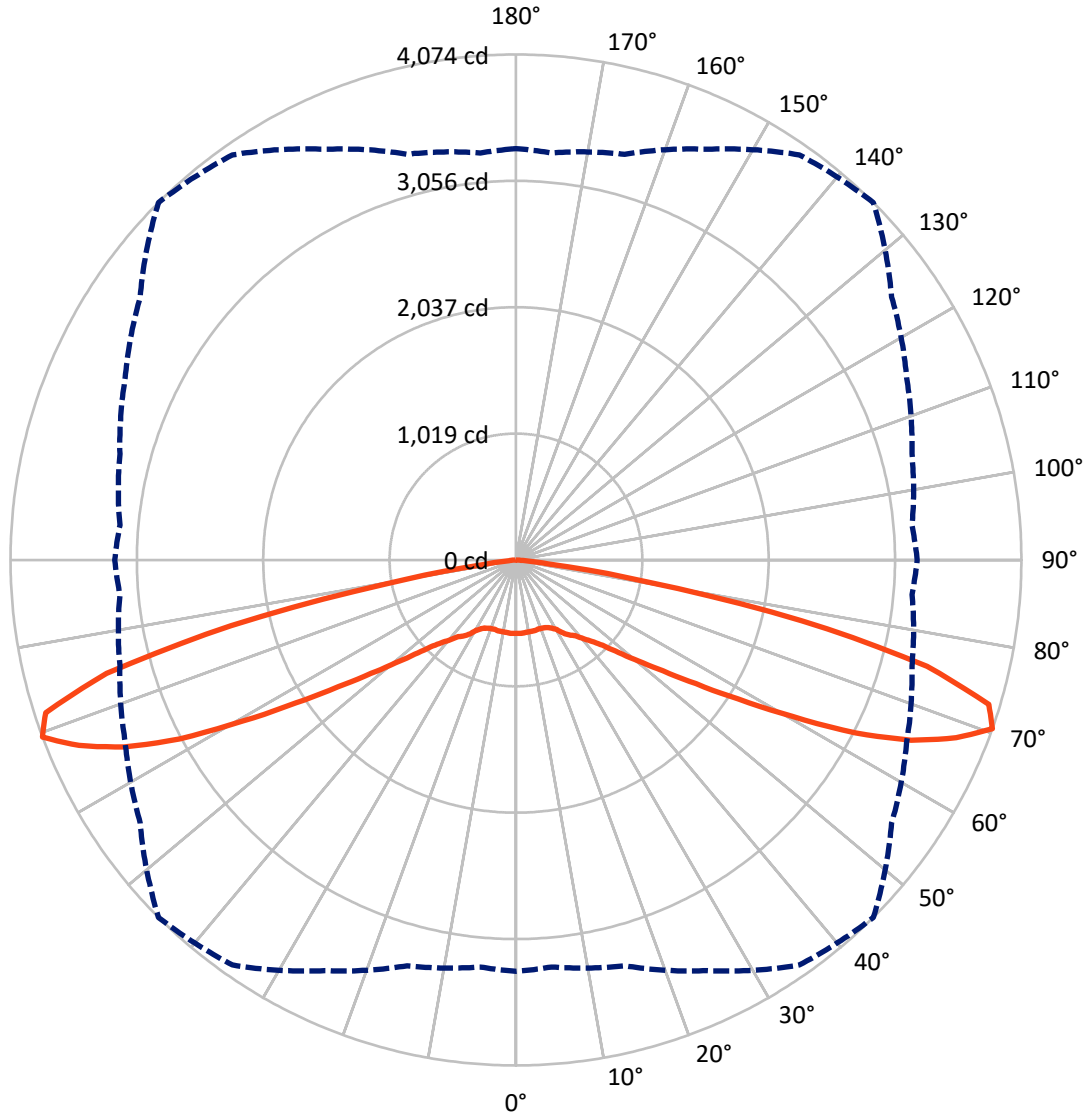
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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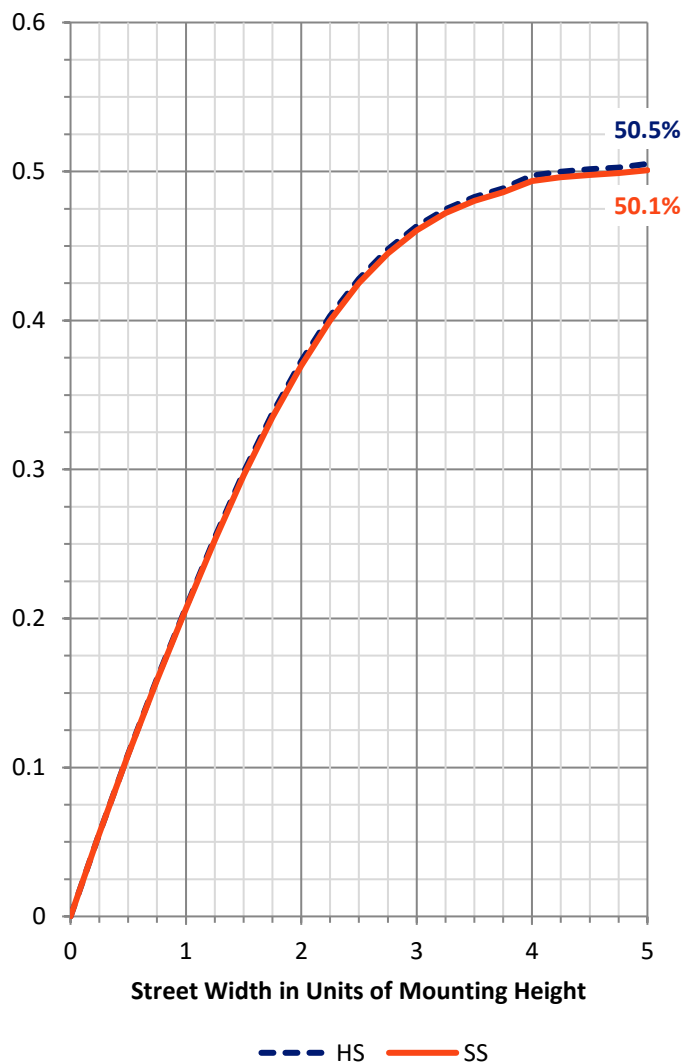
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4409.5	0.0	4409.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4409.5	0.0	4409.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8819.0	0.0	8819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	0.6
10°-20°	168.1	1.9
20°-30°	287.5	3.3
30°-40°	464.0	5.3
40°-50°	798.8	9.1
50°-60°	1578.7	17.9
60°-70°	3061.3	34.7
70°-80°	2297.2	26.0
80°-90°	106.9	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°	8819.0	100.0
0°-180°	8819.0	100.0

Coefficient of Utilization



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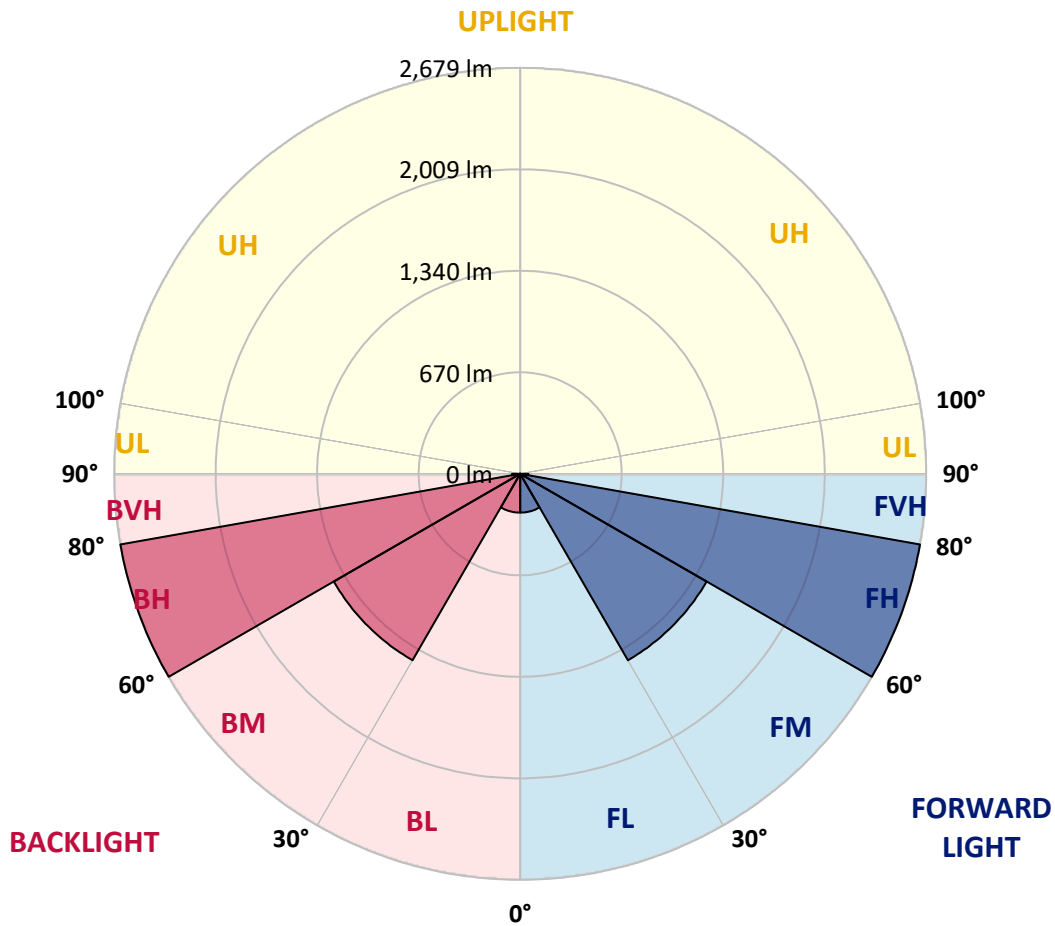
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.1	2.9			
FM (30°-60°)	1420.7	16.1			
FH (60°-80°)	2679.2	30.4			G2/5000
FVH (80°-90°)	53.4	0.6			G1/100
BL (0°-30°)	256.1	2.9	B1/500		
BM (30°-60°)	1420.7	16.1	B2/2500		
BH (60°-80°)	2679.2	30.4	B4/5000		G2/5000
BVH (80°-90°)	53.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1
2.5°	595.8	595.8	592.1	592.1	592.1	592.1	592.1	592.1	592.1	595.8	592.1
5°	595.8	595.8	592.1	595.8	592.1	592.1	592.1	592.1	592.1	592.1	595.8
7.5°	599.5	595.8	592.1	592.1	592.1	588.4	588.4	592.1	588.4	592.1	592.1
10°	595.8	595.8	592.1	592.1	588.4	588.4	588.4	592.1	592.1	595.8	595.8
12.5°	599.5	599.5	592.1	588.4	588.4	588.4	588.4	592.1	595.8	599.5	599.5
15°	603.2	599.5	595.8	588.4	584.7	588.4	584.7	592.1	595.8	603.2	603.2
17.5°	606.9	603.2	595.8	588.4	584.7	584.7	588.4	588.4	595.8	606.9	606.9
20°	610.6	606.9	599.5	588.4	584.7	588.4	584.7	592.1	599.5	610.6	610.6
22.5°	618.0	618.0	603.2	595.8	592.1	592.1	595.8	595.8	603.2	614.3	618.0
25°	629.1	629.1	614.3	610.6	606.9	603.2	603.2	606.9	610.6	625.4	625.4
27.5°	655.0	655.0	640.2	629.1	625.4	621.7	621.7	625.4	632.8	647.6	651.3
30°	680.9	677.2	666.1	662.4	662.4	651.3	658.7	662.4	666.1	677.2	680.9
32.5°	699.4	695.7	692.0	692.0	699.4	703.1	699.4	684.6	684.6	695.7	695.7
35°	732.7	729.0	721.6	714.2	725.3	743.8	721.6	714.2	721.6	725.3	729.0
37.5°	784.5	788.2	777.1	769.7	766.0	773.4	758.6	758.6	777.1	795.6	795.6
40°	840.0	843.7	832.6	828.9	832.6	832.6	825.2	828.9	832.6	847.4	851.1
42.5°	921.4	925.1	910.3	899.2	895.5	895.5	884.4	895.5	910.3	928.8	928.8
45°	1032.5	1032.5	1014.0	999.2	980.7	980.7	977.0	999.2	1014.0	1039.9	1039.9
47.5°	1154.6	1147.2	1139.8	1121.3	1110.2	1113.9	1110.2	1121.3	1143.5	1173.1	1169.4
50°	1302.6	1302.6	1291.5	1276.7	1265.6	1276.7	1265.6	1280.4	1306.3	1328.5	1324.8
52.5°	1483.9	1483.9	1491.3	1472.8	1469.1	1483.9	1461.7	1476.5	1491.3	1513.5	1502.4
55°	1672.7	1683.8	1683.8	1717.1	1713.4	1761.5	1713.4	1724.5	1724.5	1694.9	1694.9
57.5°	1909.5	1913.2	1950.2	1998.3	2072.3	2113.0	2050.1	2020.5	1939.1	1909.5	1909.5
60°	2172.2	2168.5	2209.3	2346.2	2486.8	2557.1	2468.3	2342.5	2213.0	2157.4	2153.7
62.5°	2531.2	2531.2	2564.5	2731.0	2930.9	3071.5	2890.2	2701.4	2568.2	2501.6	2501.6
65°	2990.1	2990.1	3004.9	3201.0	3419.3	3500.8	3297.2	3112.2	2971.6	2886.5	2890.2
67.5°	3323.1	3315.7	3371.2	3574.8	3815.3	3826.4	3615.5	3411.9	3234.3	3152.9	3160.3
70°	3315.7	3293.5	3386.0	3652.5	3985.5	4074.3	3696.9	3474.9	3304.6	3204.7	3234.3
72.5°	2723.6	2749.5	2938.3	3300.9	3815.3	3985.5	3556.3	3193.6	2864.3	2697.7	2727.3
75°	1450.6	1487.6	1798.5	2383.2	3130.7	3423.0	2997.5	2372.1	1839.2	1583.9	1587.6
77.5°	444.1	444.1	562.5	1062.1	1913.2	2357.3	1931.7	1162.0	699.4	507.0	499.6
80°	133.2	136.9	170.2	251.6	603.2	1069.5	773.4	336.8	192.4	155.4	159.1
82.5°	55.5	62.9	77.7	81.4	162.8	262.7	188.7	118.4	96.2	77.7	70.3
85°	25.9	25.9	40.7	44.4	55.5	55.5	59.2	62.9	59.2	40.7	37.0
87.5°	7.4	7.4	11.1	11.1	14.8	11.1	18.5	22.2	22.2	11.1	11.1
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)