

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: P534601

Luminaire Tested: **GALN-SA6A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534601
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-SA6A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 6343 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

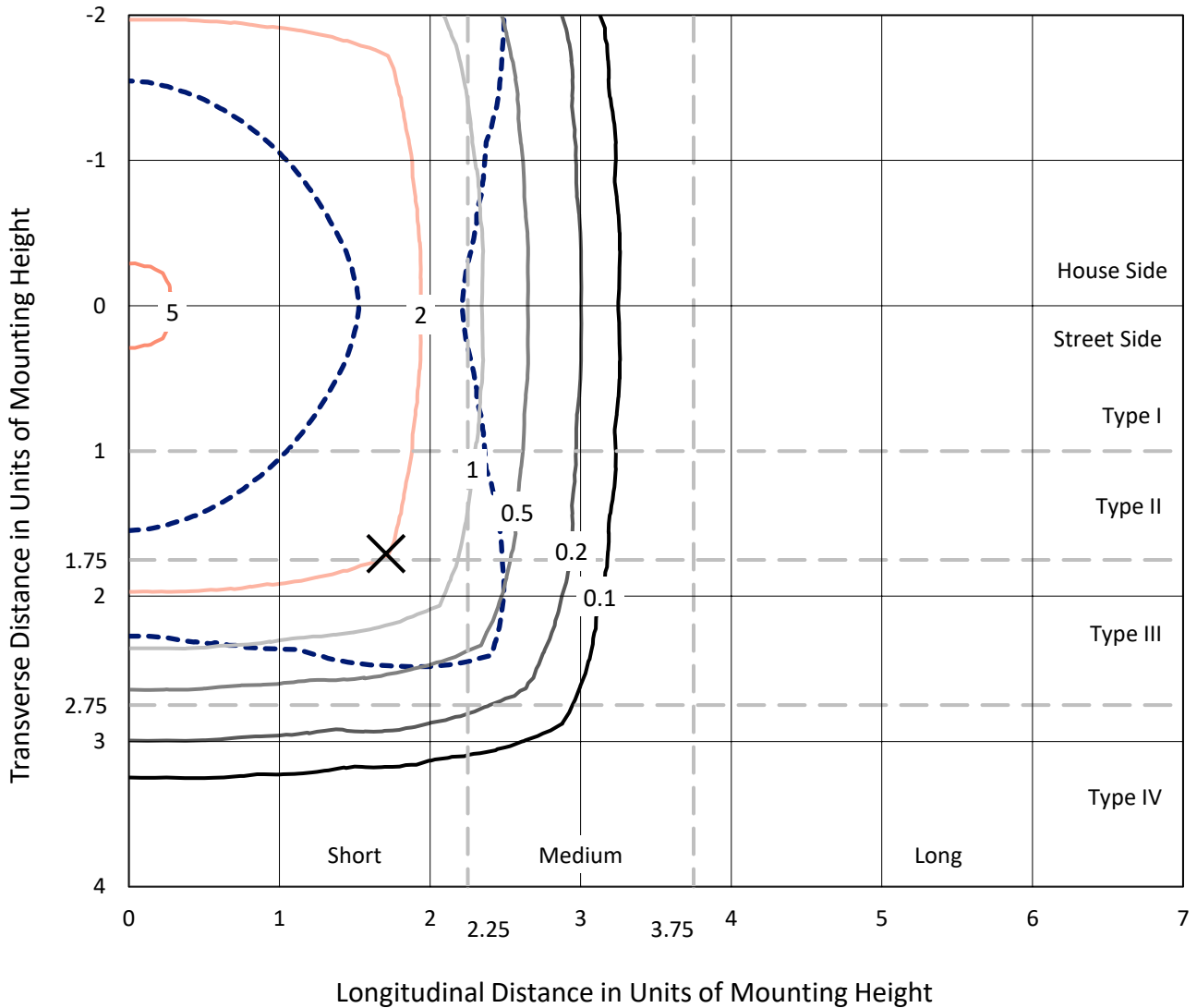
Input Watts (W): 118.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534601
 CATALOG NUMBER: GALN-SA6A-AMB-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

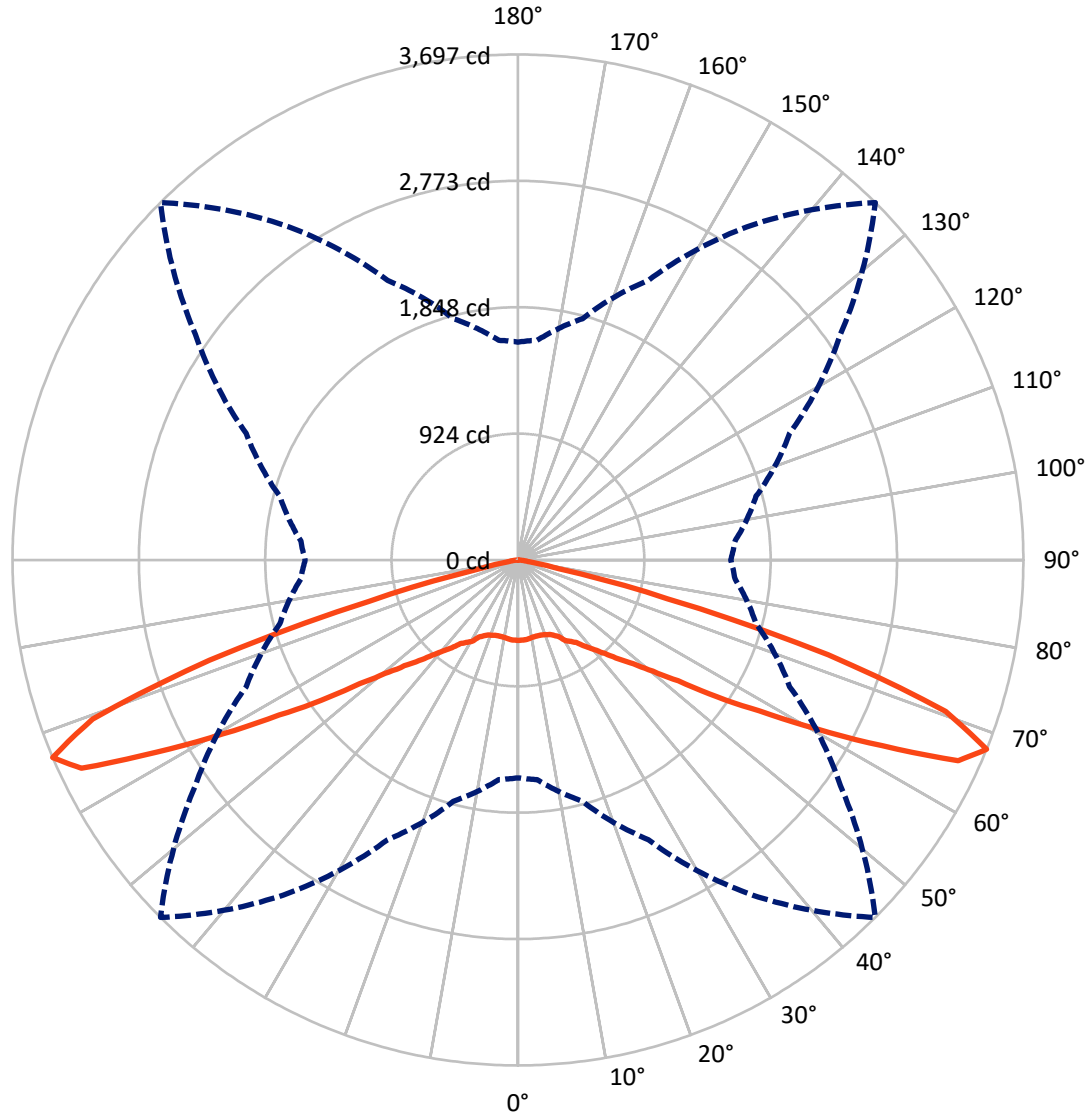
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P534601
CATALOG NUMBER: GALN-SA6A-AMB-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P534601

CATALOG NUMBER: GALN-SA6A-AMB-U-5MQ

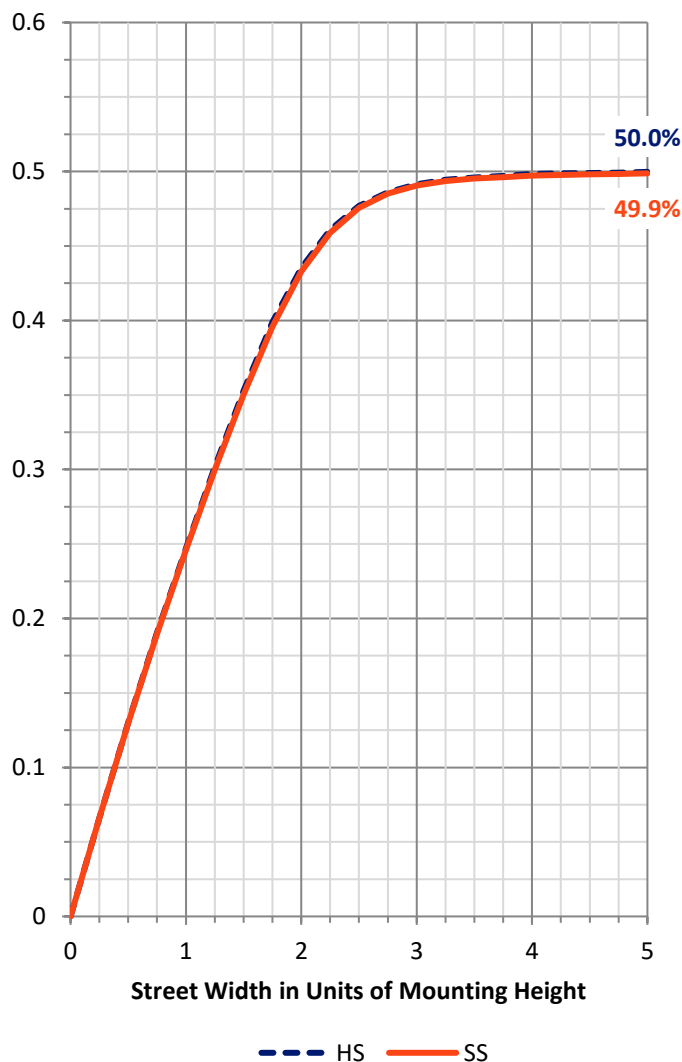
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3171.5	0.0	3171.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3171.5	0.0	3171.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6343.0	0.0	6343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	0.9
10°-20°	161.7	2.5
20°-30°	282.0	4.4
30°-40°	472.0	7.4
40°-50°	818.1	12.9
50°-60°	1566.5	24.7
60°-70°	2319.3	36.6
70°-80°	637.6	10.1
80°-90°	30.1	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°	6343.0	100.0
0°-180°	6343.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534601

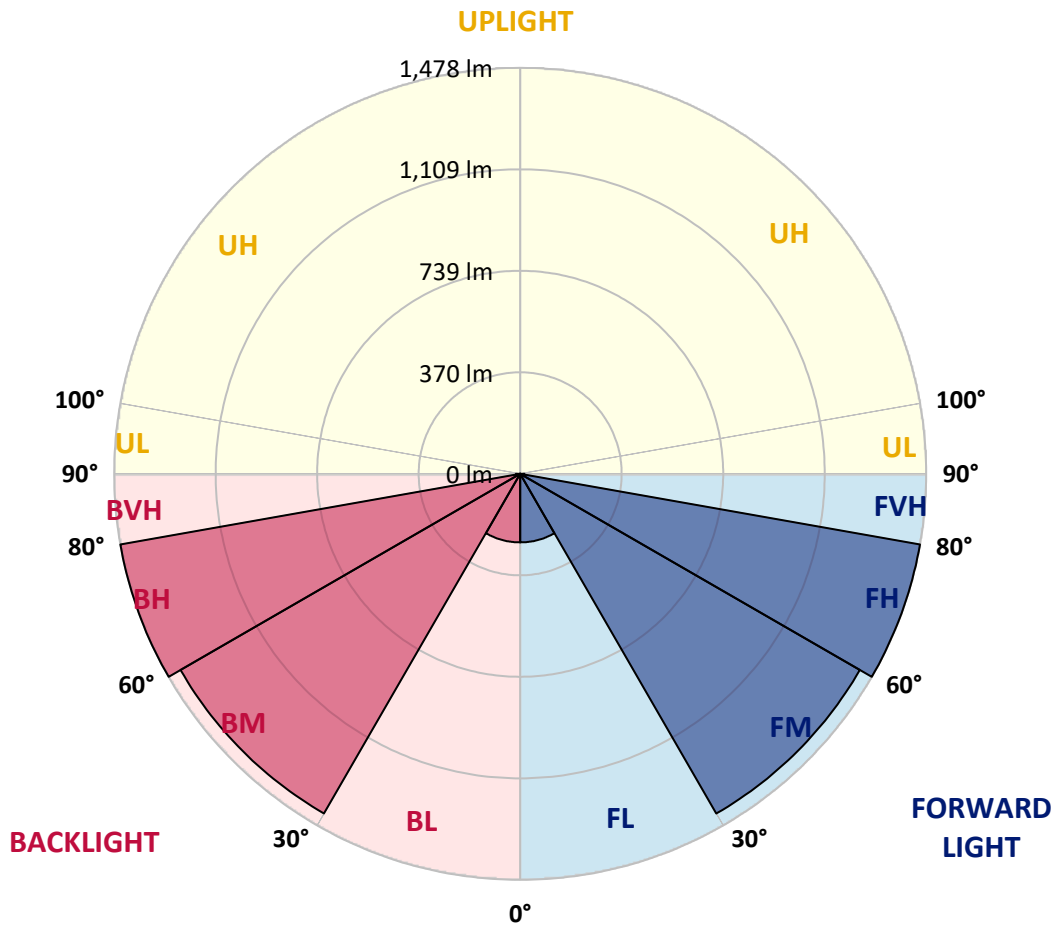
CATALOG NUMBER: GALN-SA6A-AMB-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.7	3.9			
FM (30°-60°)	1428.3	22.5			
FH (60°-80°)	1478.5	23.3			G1/1800
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	249.7	3.9	B1/500		
BM (30°-60°)	1428.3	22.5	B2/2500		
BH (60°-80°)	1478.5	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.1	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°	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7	588.7
2.5°	591.4	591.4	586.1	588.7	588.7	586.1	588.7	588.7	588.7	588.7	588.7
5°	591.4	591.4	588.7	588.7	586.1	586.1	583.4	586.1	583.4	586.1	586.1
7.5°	591.4	583.4	586.1	583.4	580.8	580.8	580.8	578.1	580.8	578.1	578.1
10°	578.1	580.8	578.1	578.1	578.1	575.5	575.5	575.5	572.8	572.8	572.8
12.5°	572.8	572.8	570.1	572.8	575.5	572.8	570.1	567.5	567.5	570.1	567.5
15°	564.8	567.5	567.5	567.5	575.5	572.8	570.1	567.5	567.5	564.8	564.8
17.5°	564.8	562.2	564.8	567.5	575.5	575.5	572.8	567.5	564.8	564.8	562.2
20°	559.5	562.2	567.5	575.5	578.1	583.4	580.8	575.5	570.1	570.1	564.8
22.5°	567.5	567.5	575.5	578.1	588.7	591.4	588.7	588.7	580.8	578.1	575.5
25°	586.1	586.1	591.4	602.0	607.3	609.9	604.6	607.3	596.7	599.3	596.7
27.5°	607.3	609.9	617.9	628.5	636.4	633.8	639.1	631.1	623.2	617.9	617.9
30°	641.7	644.4	652.4	663.0	676.2	684.2	678.9	660.3	655.0	649.7	647.1
32.5°	681.5	678.9	686.8	702.7	716.0	710.7	708.0	702.7	694.8	692.1	689.5
35°	724.0	716.0	729.3	745.2	750.5	742.5	745.2	750.5	737.2	734.6	729.3
37.5°	766.4	766.4	779.6	792.9	800.9	803.5	800.9	803.5	795.6	787.6	787.6
40°	830.0	827.4	843.3	853.9	864.5	861.9	864.5	872.5	867.2	861.9	856.5
42.5°	909.6	901.6	922.8	933.5	941.4	936.1	946.7	957.3	954.7	946.7	941.4
45°	991.8	997.1	1015.7	1031.6	1031.6	1031.6	1047.5	1058.1	1052.8	1052.8	1042.2
47.5°	1100.5	1111.1	1132.3	1148.3	1153.6	1135.0	1158.9	1188.0	1180.1	1164.2	1153.6
50°	1238.4	1230.5	1267.6	1296.8	1291.5	1278.2	1320.6	1344.5	1333.9	1310.0	1304.7
52.5°	1397.5	1397.5	1429.3	1474.4	1485.0	1469.1	1519.5	1551.3	1519.5	1500.9	1493.0
55°	1609.7	1612.3	1638.8	1694.5	1737.0	1766.1	1782.0	1768.8	1731.7	1705.1	1683.9
57.5°	1845.7	1856.3	1919.9	1973.0	2034.0	2081.7	2068.4	2010.1	1930.5	1874.9	1874.9
60°	2132.1	2137.4	2195.7	2307.1	2431.7	2506.0	2376.1	2224.9	2113.5	2044.6	2028.7
62.5°	2195.7	2211.6	2349.5	2585.6	2856.0	2991.3	2710.2	2437.0	2240.8	2121.5	2113.5
65°	2041.9	2047.2	2240.8	2588.2	3108.0	3537.6	2951.5	2468.9	2121.5	1938.5	1917.3
67.5°	1593.8	1612.3	1827.1	2256.7	2991.3	3696.7	2879.9	2193.1	1803.3	1593.8	1556.6
70°	930.8	960.0	1113.8	1524.8	2434.4	3320.1	2373.4	1580.5	1161.5	986.5	970.6
72.5°	437.6	448.2	541.0	795.6	1532.8	2373.4	1554.0	853.9	538.3	456.1	434.9
75°	148.5	156.5	175.0	273.1	633.8	1129.7	628.5	273.1	180.3	169.7	164.4
77.5°	87.5	84.9	87.5	92.8	161.8	305.0	169.7	103.4	92.8	95.5	95.5
80°	53.0	53.0	61.0	63.6	68.9	82.2	79.6	74.3	68.9	58.3	58.3
82.5°	26.5	29.2	42.4	45.1	45.1	50.4	53.0	55.7	50.4	31.8	31.8
85°	15.9	13.3	23.9	26.5	26.5	21.2	29.2	34.5	31.8	15.9	18.6
87.5°	2.7	2.7	8.0	8.0	8.0	5.3	8.0	10.6	10.6	5.3	2.7
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)