

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: P534610

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534610
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-SA7A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 7236 lumens
Efficiency: N/A
Efficacy: 52.2 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): 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

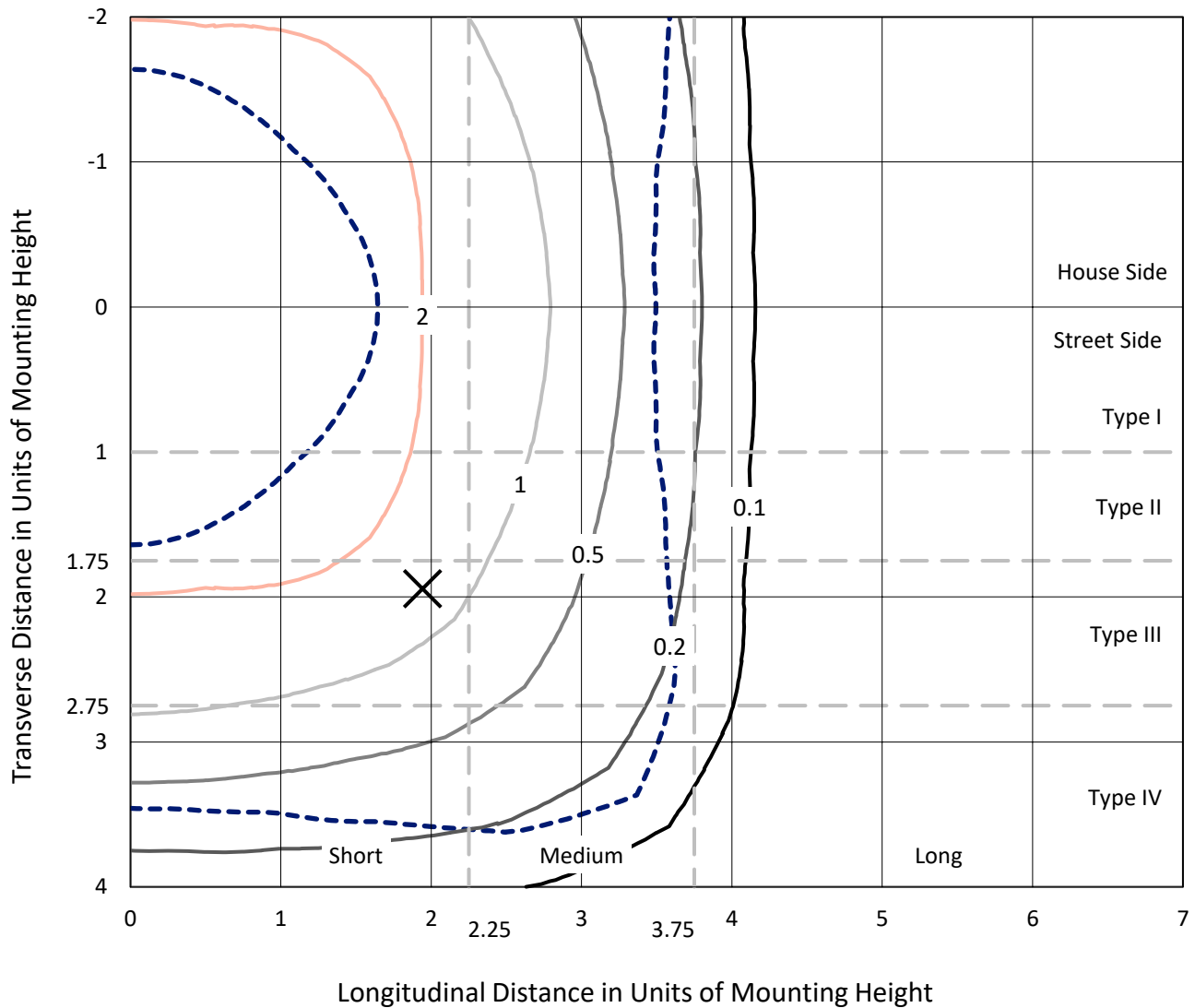


REPORT NUMBER: P534610

CATALOG NUMBER: GALN-SA7A-AMB-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

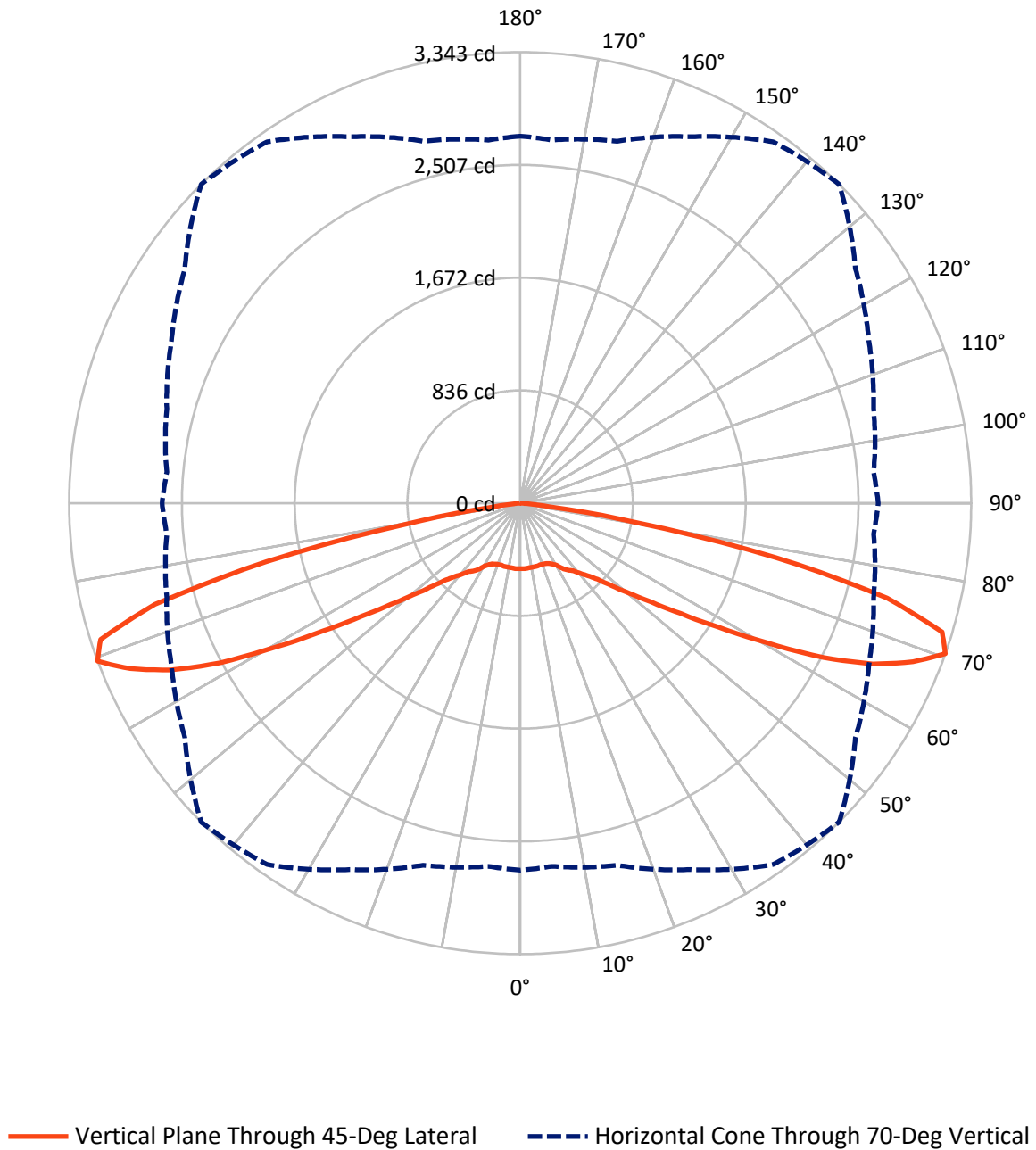


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P534610

CATALOG NUMBER: GALN-SA7A-AMB-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P534610

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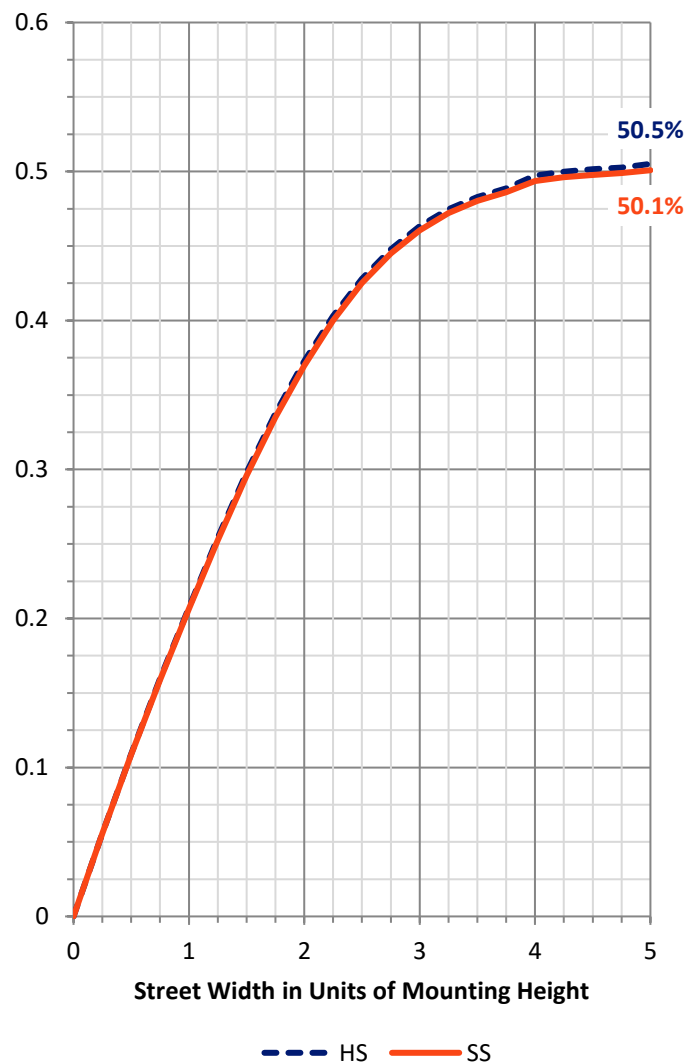
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3618.0	0.0	3618.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3618.0	0.0	3618.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7236.0	0.0	7236.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	0.6
10°-20°	137.9	1.9
20°-30°	235.9	3.3
30°-40°	380.7	5.3
40°-50°	655.4	9.1
50°-60°	1295.3	17.9
60°-70°	2511.8	34.7
70°-80°	1884.9	26.0
80°-90°	87.7	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°	7236.0	100.0
0°-180°	7236.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534610

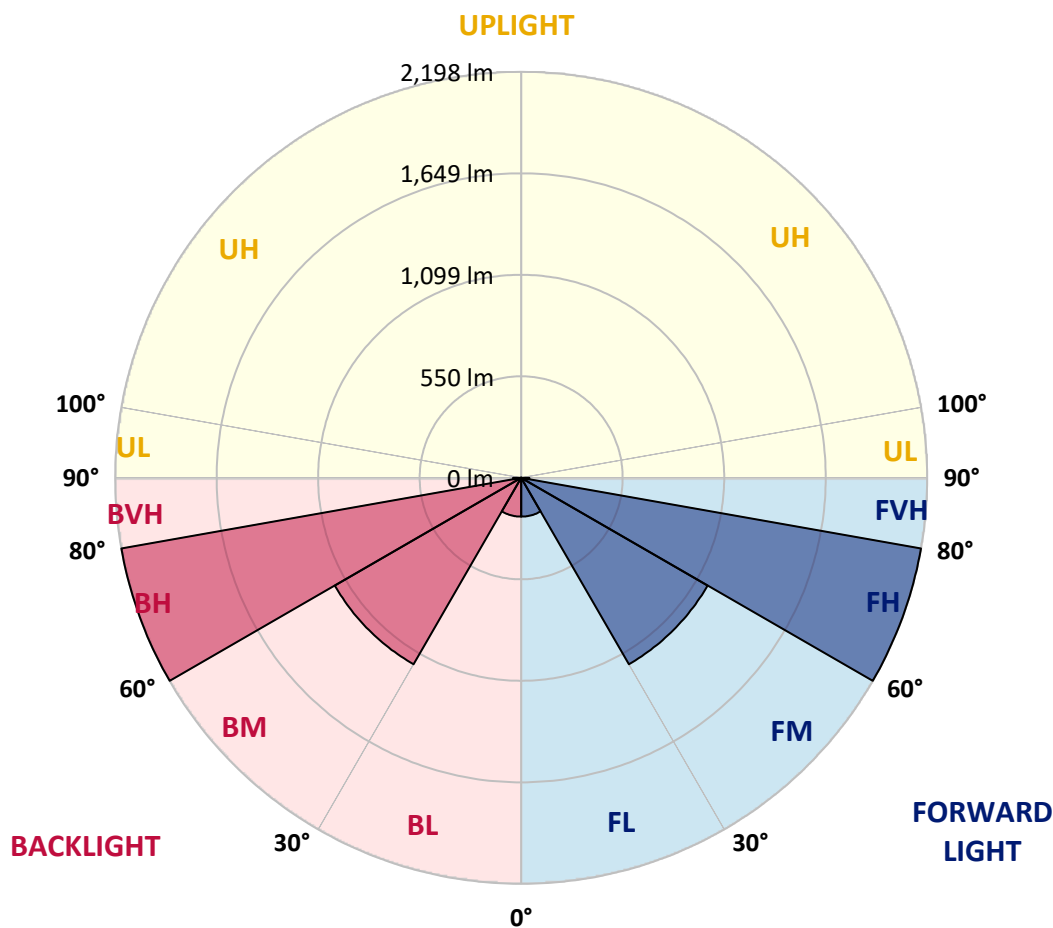
CATALOG NUMBER: GALN-SA7A-AMB-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.1	2.9			
FM	(30°-60°)	1165.7	16.1			
FH	(60°-80°)	2198.3	30.4			G2/5000
FVH	(80°-90°)	43.8	0.6			G1/100
BL	(0°-30°)	210.1	2.9	B1/500		
BM	(30°-60°)	1165.7	16.1	B2/2500		
BH	(60°-80°)	2198.3	30.4	B3/2500		G2/5000
BVH	(80°-90°)	43.8	0.6			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



REPORT NUMBER: P534610

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8
2.5°	488.9	488.9	485.8	485.8	485.8	485.8	485.8	485.8	485.8	488.9	485.8
5°	488.9	488.9	485.8	488.9	485.8	485.8	485.8	485.8	485.8	485.8	488.9
7.5°	491.9	488.9	485.8	485.8	485.8	482.8	482.8	485.8	482.8	485.8	485.8
10°	488.9	488.9	485.8	485.8	482.8	482.8	482.8	485.8	485.8	488.9	488.9
12.5°	491.9	491.9	485.8	482.8	482.8	482.8	482.8	485.8	488.9	491.9	491.9
15°	494.9	491.9	488.9	482.8	479.7	482.8	479.7	485.8	488.9	494.9	494.9
17.5°	498.0	494.9	488.9	482.8	479.7	479.7	482.8	482.8	488.9	498.0	498.0
20°	501.0	498.0	491.9	482.8	479.7	482.8	479.7	485.8	491.9	501.0	501.0
22.5°	507.1	507.1	494.9	488.9	485.8	485.8	488.9	488.9	494.9	504.0	507.1
25°	516.2	516.2	504.0	501.0	498.0	494.9	494.9	498.0	501.0	513.1	513.1
27.5°	537.4	537.4	525.3	516.2	513.1	510.1	510.1	513.1	519.2	531.4	534.4
30°	558.7	555.6	546.5	543.5	543.5	534.4	540.5	543.5	546.5	555.6	558.7
32.5°	573.9	570.8	567.8	567.8	573.9	576.9	573.9	561.7	561.7	570.8	570.8
35°	601.2	598.2	592.1	586.0	595.1	610.3	592.1	586.0	592.1	595.1	598.2
37.5°	643.7	646.7	637.6	631.6	628.5	634.6	622.4	622.4	637.6	652.8	652.8
40°	689.2	692.3	683.2	680.1	683.2	683.2	677.1	680.1	683.2	695.3	698.4
42.5°	756.0	759.1	746.9	737.8	734.8	734.8	725.7	734.8	746.9	762.1	762.1
45°	847.1	847.1	832.0	819.8	804.6	804.6	801.6	819.8	832.0	853.2	853.2
47.5°	947.3	941.3	935.2	920.0	910.9	913.9	910.9	920.0	938.2	962.5	959.5
50°	1068.8	1068.8	1059.7	1047.5	1038.4	1047.5	1038.4	1050.6	1071.8	1090.0	1087.0
52.5°	1217.6	1217.6	1223.6	1208.5	1205.4	1217.6	1199.4	1211.5	1223.6	1241.9	1232.8
55°	1372.4	1381.5	1381.5	1408.9	1405.8	1445.3	1405.8	1414.9	1414.9	1390.6	1390.6
57.5°	1566.7	1569.8	1600.1	1639.6	1700.3	1733.7	1682.1	1657.8	1591.0	1566.7	1566.7
60°	1782.3	1779.3	1812.7	1925.0	2040.4	2098.1	2025.2	1922.0	1815.7	1770.2	1767.1
62.5°	2076.9	2076.9	2104.2	2240.8	2404.8	2520.2	2371.4	2216.5	2107.2	2052.6	2052.6
65°	2453.4	2453.4	2465.5	2626.4	2805.6	2872.4	2705.4	2553.6	2438.2	2368.3	2371.4
67.5°	2726.6	2720.6	2766.1	2933.1	3130.5	3139.6	2966.5	2799.5	2653.8	2587.0	2593.0
70°	2720.6	2702.3	2778.2	2996.9	3270.1	3343.0	3033.3	2851.1	2711.4	2629.5	2653.8
72.5°	2234.7	2256.0	2410.9	2708.4	3130.5	3270.1	2917.9	2620.4	2350.1	2213.5	2237.8
75°	1190.2	1220.6	1475.7	1955.4	2568.7	2808.6	2459.4	1946.3	1509.1	1299.6	1302.6
77.5°	364.4	364.4	461.5	871.4	1569.8	1934.1	1585.0	953.4	573.9	416.0	409.9
80°	109.3	112.3	139.7	206.5	494.9	877.5	634.6	276.3	157.9	127.5	130.6
82.5°	45.5	51.6	63.8	66.8	133.6	215.6	154.9	97.2	78.9	63.8	57.7
85°	21.3	21.3	33.4	36.4	45.5	45.5	48.6	51.6	48.6	33.4	30.4
87.5°	6.1	6.1	9.1	9.1	12.1	9.1	15.2	18.2	18.2	9.1	9.1
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)