

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: P534561

Luminaire Tested: **GALN-SA1A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534561
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-SA1A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 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: 1267 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

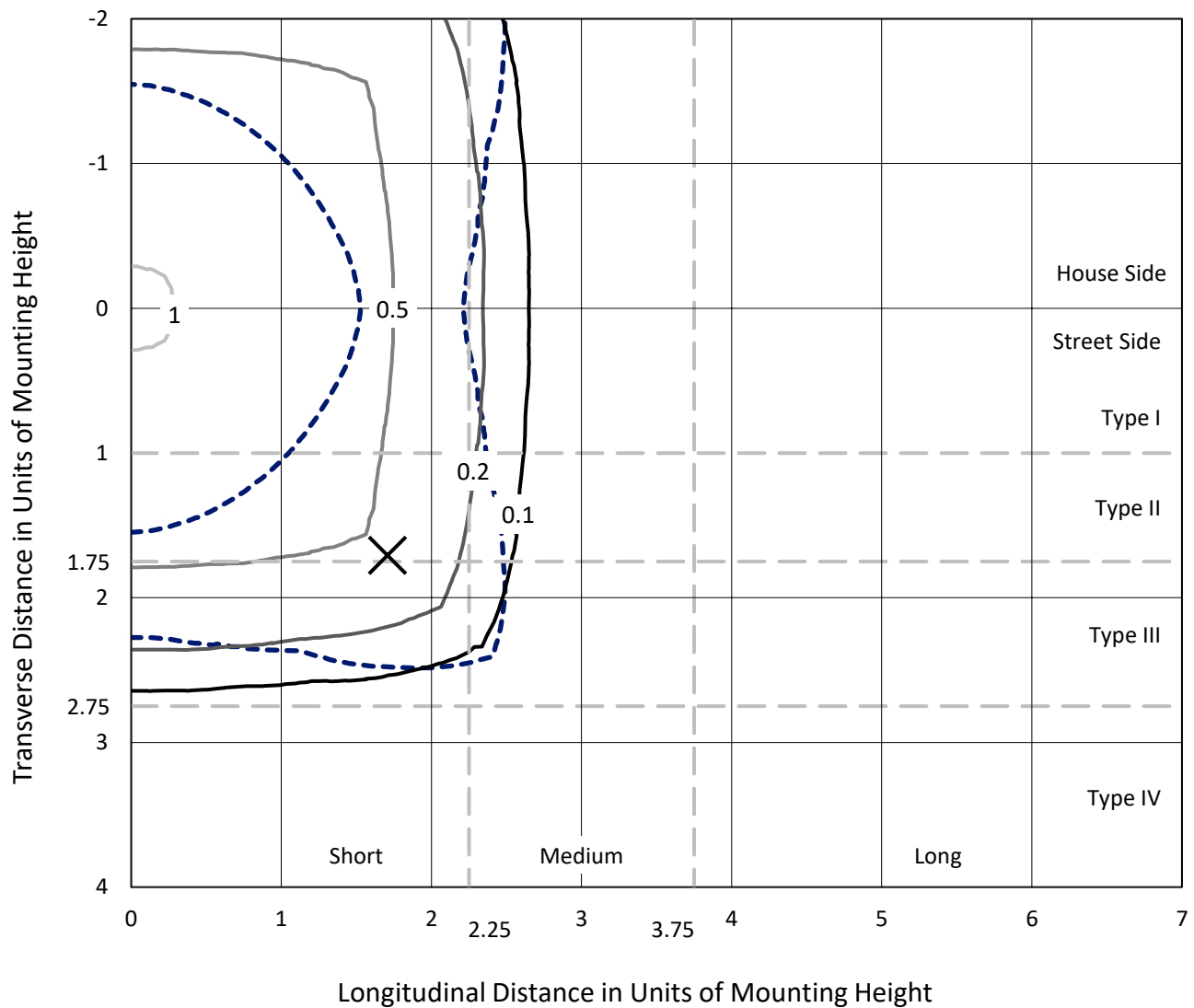
Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

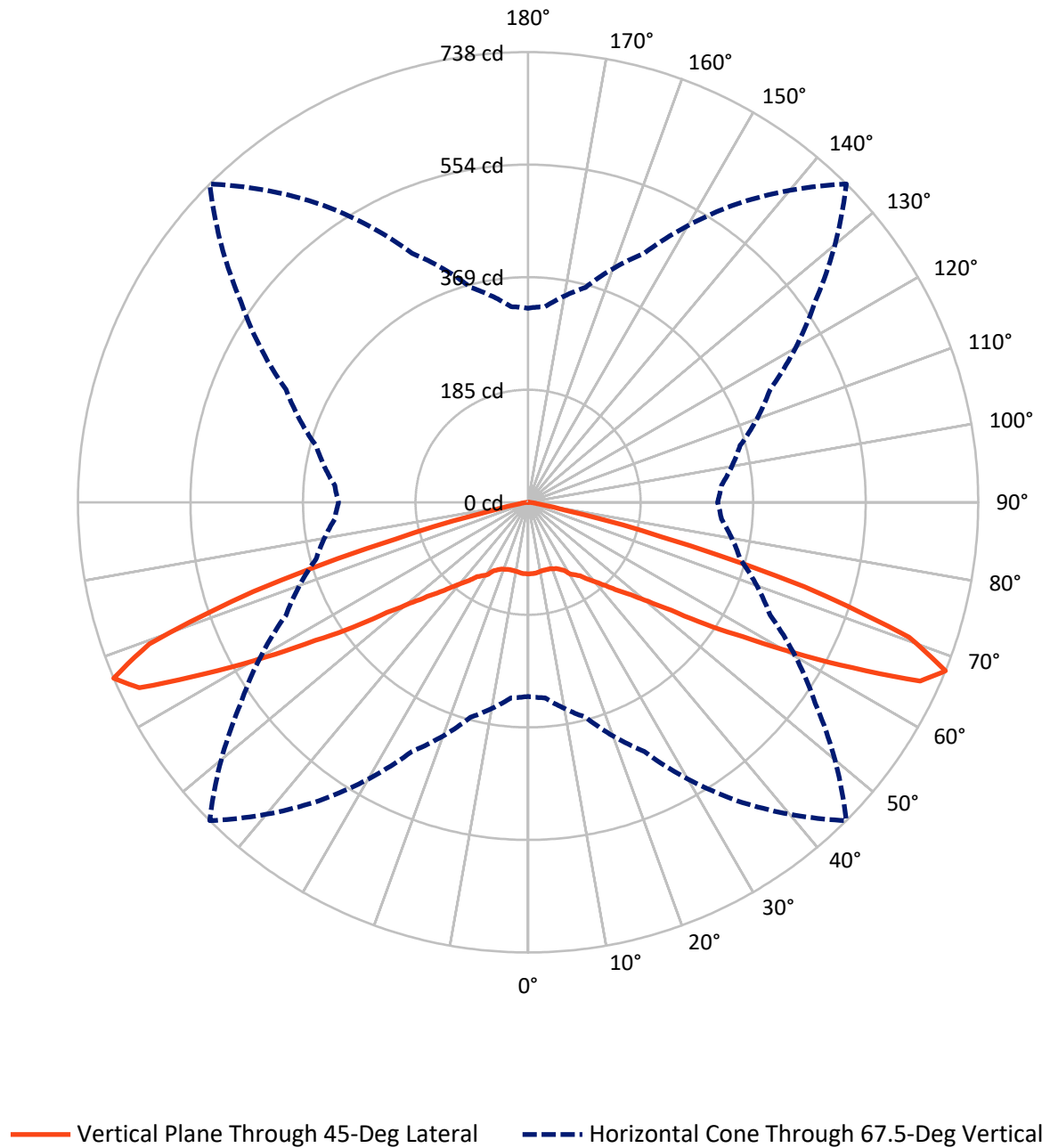
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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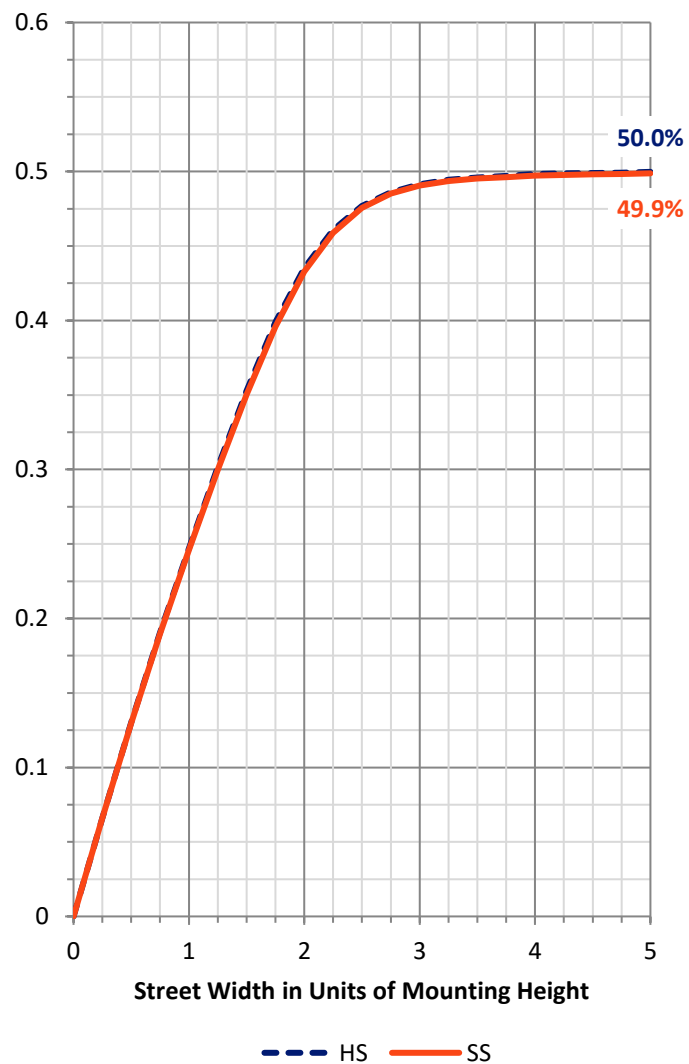
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	633.5	0.0	633.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	633.5	0.0	633.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1267.0	0.0	1267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	0.9
10°-20°	32.3	2.5
20°-30°	56.3	4.4
30°-40°	94.3	7.4
40°-50°	163.4	12.9
50°-60°	312.9	24.7
60°-70°	463.3	36.6
70°-80°	127.4	10.1
80°-90°	6.0	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°	1267.0	100.0
0°-180°	1267.0	100.0

Coefficient of Utilization



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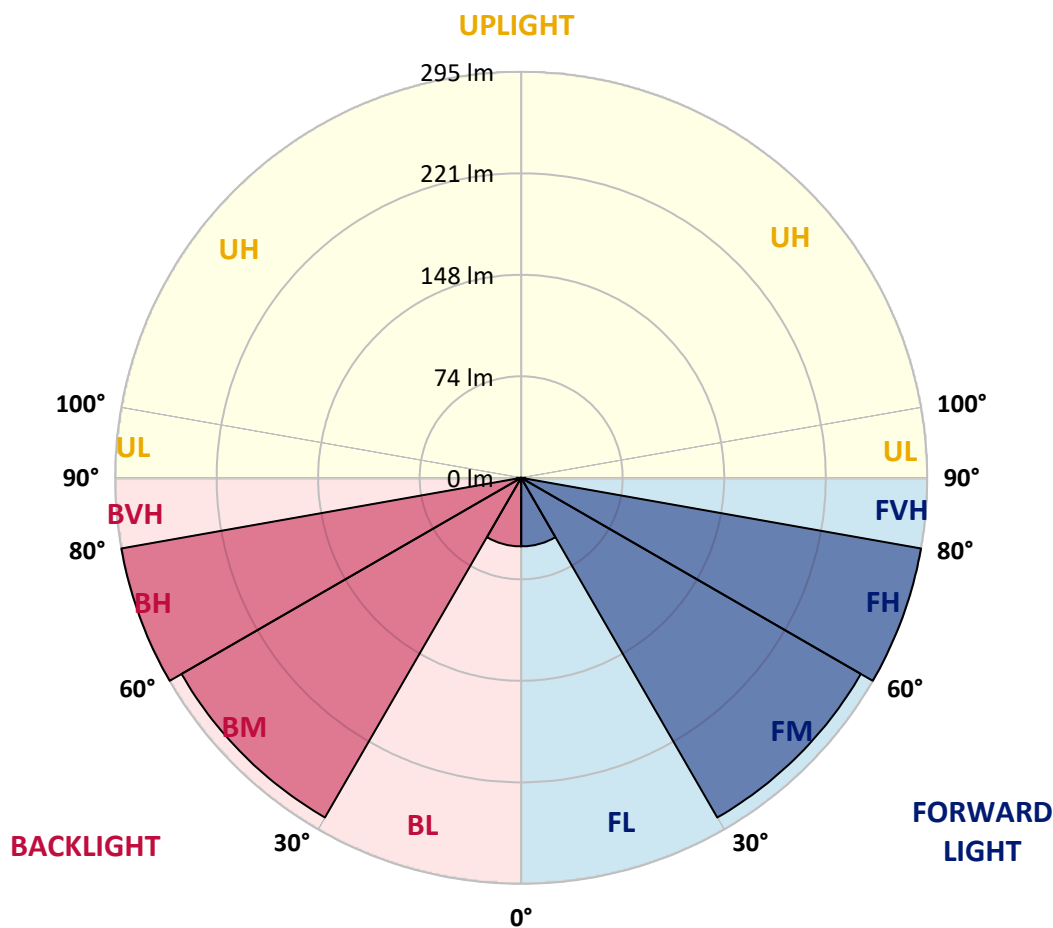
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.9	3.9			
FM	(30°-60°)	285.3	22.5			
FH	(60°-80°)	295.3	23.3			G0/660
FVH	(80°-90°)	3.0	0.2			G0/10
BL	(0°-30°)	49.9	3.9	B0/110		
BM	(30°-60°)	285.3	22.5	B1/1000		
BH	(60°-80°)	295.3	23.3	B1/500		G0/660
BVH	(80°-90°)	3.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6
2.5°	118.1	118.1	117.1	117.6	117.6	117.1	117.6	117.6	117.6	117.6	117.6
5°	118.1	118.1	117.6	117.6	117.1	117.1	116.5	117.1	116.5	117.1	117.1
7.5°	118.1	116.5	117.1	116.5	116.0	116.0	116.0	115.5	116.0	115.5	115.5
10°	115.5	116.0	115.5	115.5	115.5	114.9	114.9	114.9	114.4	114.4	114.4
12.5°	114.4	114.4	113.9	114.4	114.9	114.4	113.9	113.4	113.4	113.9	113.4
15°	112.8	113.4	113.4	113.4	114.9	114.4	113.9	113.4	113.4	112.8	112.8
17.5°	112.8	112.3	112.8	113.4	114.9	114.9	114.4	113.4	112.8	112.8	112.3
20°	111.8	112.3	113.4	114.9	115.5	116.5	116.0	114.9	113.9	113.9	112.8
22.5°	113.4	113.4	114.9	115.5	117.6	118.1	117.6	117.6	116.0	115.5	114.9
25°	117.1	117.1	118.1	120.2	121.3	121.8	120.8	121.3	119.2	119.7	119.2
27.5°	121.3	121.8	123.4	125.5	127.1	126.6	127.7	126.1	124.5	123.4	123.4
30°	128.2	128.7	130.3	132.4	135.1	136.7	135.6	131.9	130.8	129.8	129.2
32.5°	136.1	135.6	137.2	140.4	143.0	142.0	141.4	140.4	138.8	138.3	137.7
35°	144.6	143.0	145.7	148.8	149.9	148.3	148.8	149.9	147.3	146.7	145.7
37.5°	153.1	153.1	155.7	158.4	160.0	160.5	160.0	160.5	158.9	157.3	157.3
40°	165.8	165.3	168.4	170.6	172.7	172.2	172.7	174.3	173.2	172.2	171.1
42.5°	181.7	180.1	184.3	186.5	188.0	187.0	189.1	191.2	190.7	189.1	188.0
45°	198.1	199.2	202.9	206.1	206.1	206.1	209.2	211.4	210.3	210.3	208.2
47.5°	219.8	221.9	226.2	229.4	230.4	226.7	231.5	237.3	235.7	232.5	230.4
50°	247.4	245.8	253.2	259.0	258.0	255.3	263.8	268.6	266.4	261.7	260.6
52.5°	279.2	279.2	285.5	294.5	296.6	293.5	303.5	309.9	303.5	299.8	298.2
55°	321.5	322.1	327.4	338.5	347.0	352.8	356.0	353.3	345.9	340.6	336.4
57.5°	368.7	370.8	383.5	394.1	406.3	415.8	413.2	401.5	385.6	374.5	374.5
60°	425.9	426.9	438.6	460.8	485.7	500.6	474.6	444.4	422.2	408.4	405.2
62.5°	438.6	441.8	469.3	516.5	570.5	597.5	541.4	486.8	447.6	423.8	422.2
65°	407.9	408.9	447.6	517.0	620.8	706.6	589.6	493.2	423.8	387.2	383.0
67.5°	318.4	322.1	365.0	450.8	597.5	738.4	575.3	438.1	360.2	318.4	310.9
70°	185.9	191.8	222.5	304.6	486.3	663.2	474.1	315.7	232.0	197.0	193.9
72.5°	87.4	89.5	108.1	158.9	306.2	474.1	310.4	170.6	107.5	91.1	86.9
75°	29.7	31.3	35.0	54.6	126.6	225.7	125.5	54.6	36.0	33.9	32.8
77.5°	17.5	17.0	17.5	18.5	32.3	60.9	33.9	20.7	18.5	19.1	19.1
80°	10.6	10.6	12.2	12.7	13.8	16.4	15.9	14.8	13.8	11.7	11.7
82.5°	5.3	5.8	8.5	9.0	9.0	10.1	10.6	11.1	10.1	6.4	6.4
85°	3.2	2.6	4.8	5.3	5.3	4.2	5.8	6.9	6.4	3.2	3.7
87.5°	0.5	0.5	1.6	1.6	1.6	1.1	1.6	2.1	2.1	1.1	0.5
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)