

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: P534562

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534562
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-SA1A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 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: 1262 lumens
Efficiency: N/A
Efficacy: 61.6 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

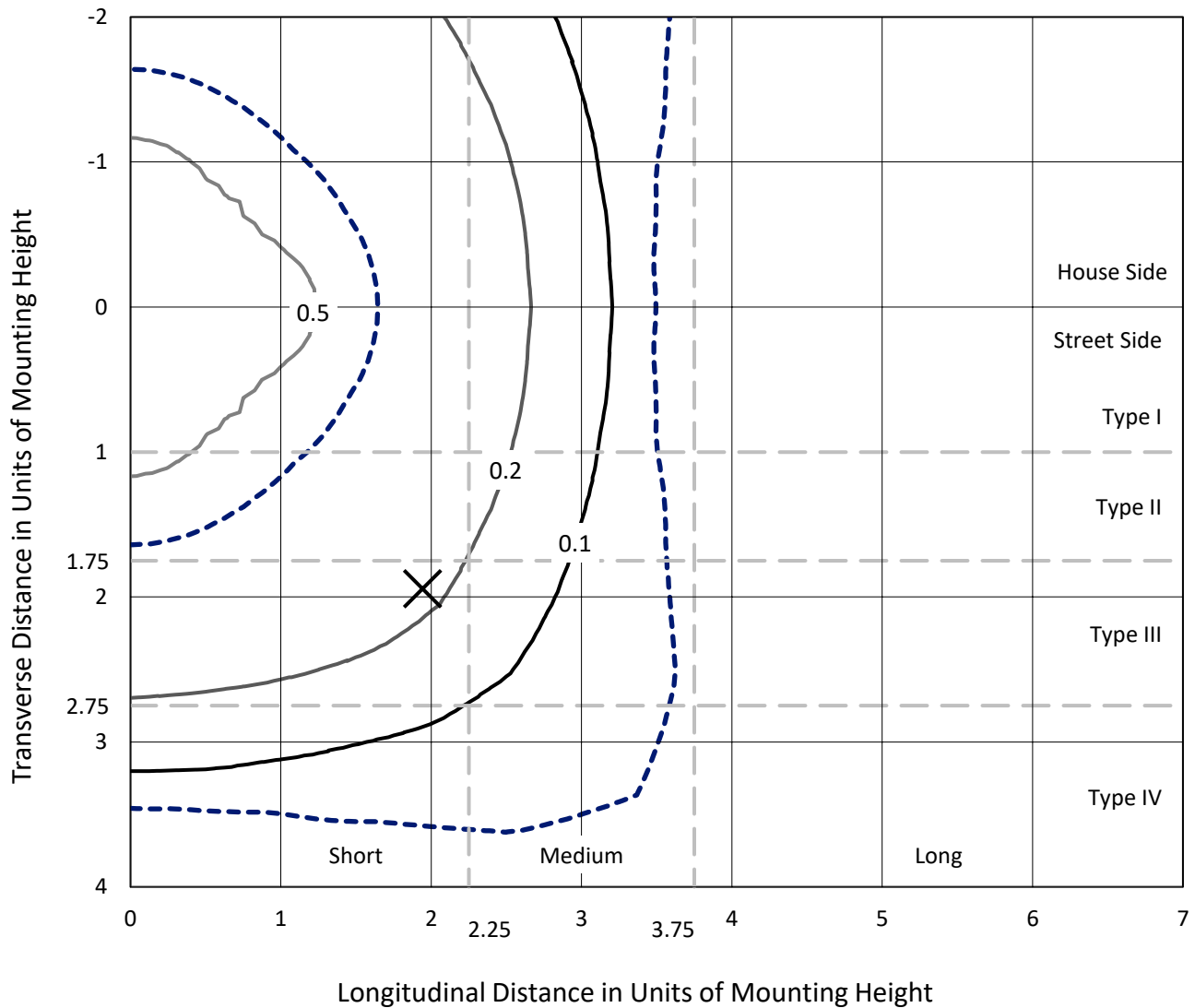


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

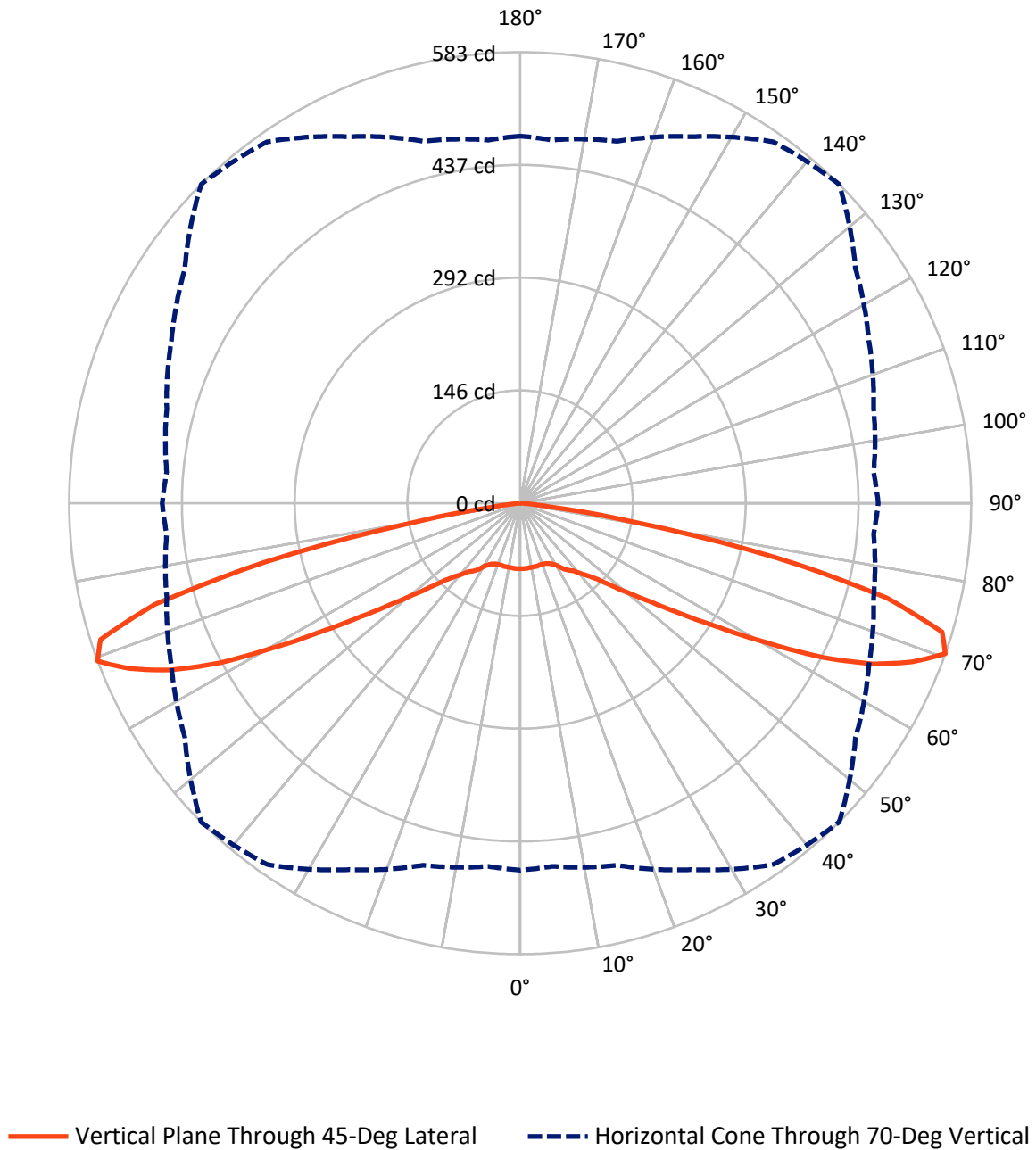


Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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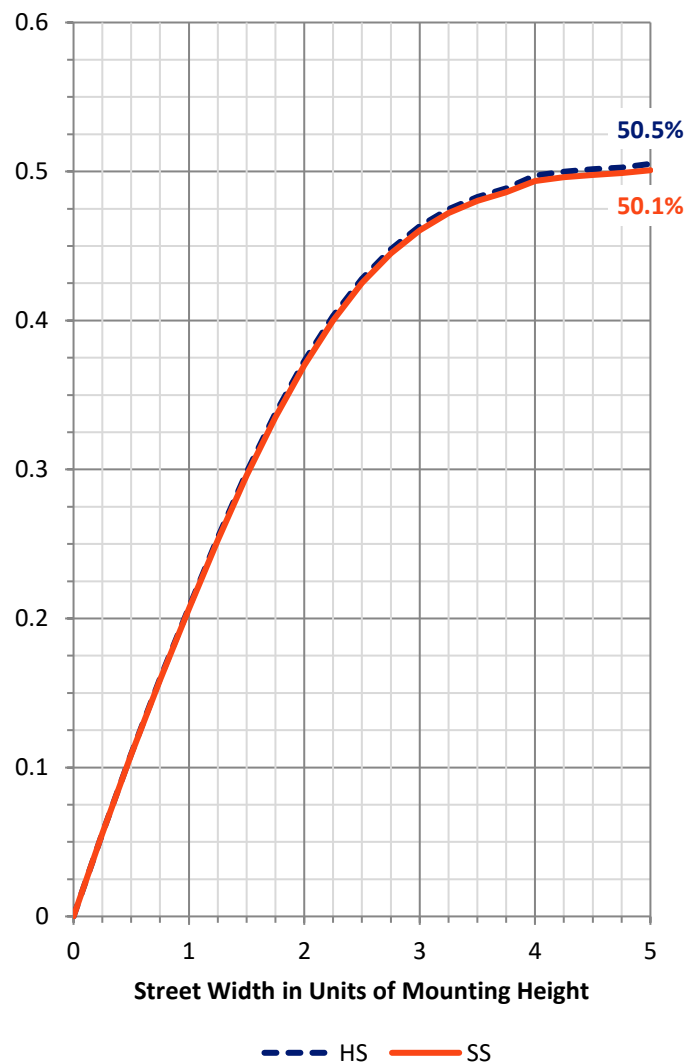
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	631.0	0.0	631.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	631.0	0.0	631.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1262.0	0.0	1262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.6
10°-20°	24.1	1.9
20°-30°	41.1	3.3
30°-40°	66.4	5.3
40°-50°	114.3	9.1
50°-60°	225.9	17.9
60°-70°	438.1	34.7
70°-80°	328.7	26.0
80°-90°	15.3	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°	1262.0	100.0
0°-180°	1262.0	100.0

Coefficient of Utilization



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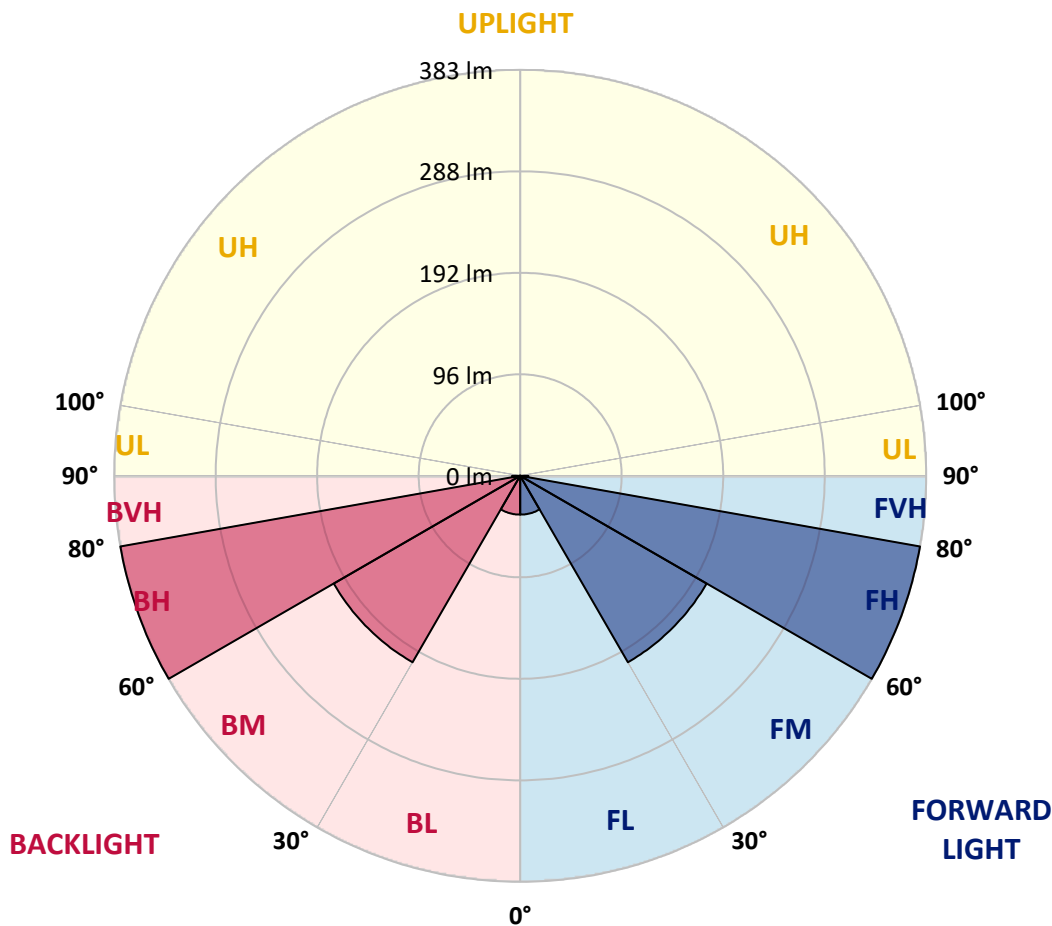
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	36.6	2.9			
FM	(30°-60°)	203.3	16.1			
FH	(60°-80°)	383.4	30.4			G0/660
FVH	(80°-90°)	7.6	0.6			G0/10
BL	(0°-30°)	36.6	2.9	B0/110		
BM	(30°-60°)	203.3	16.1	B0/220		
BH	(60°-80°)	383.4	30.4	B1/500		G0/660
BVH	(80°-90°)	7.6	0.6			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°	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2.5°	85.3	85.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3	84.7
5°	85.3	85.3	84.7	85.3	84.7	84.7	84.7	84.7	84.7	84.7	85.3
7.5°	85.8	85.3	84.7	84.7	84.7	84.2	84.2	84.7	84.2	84.7	84.7
10°	85.3	85.3	84.7	84.7	84.2	84.2	84.2	84.7	84.7	85.3	85.3
12.5°	85.8	85.8	84.7	84.2	84.2	84.2	84.2	84.7	85.3	85.8	85.8
15°	86.3	85.8	85.3	84.2	83.7	84.2	83.7	84.7	85.3	86.3	86.3
17.5°	86.8	86.3	85.3	84.2	83.7	83.7	84.2	84.2	85.3	86.8	86.8
20°	87.4	86.8	85.8	84.2	83.7	84.2	83.7	84.7	85.8	87.4	87.4
22.5°	88.4	88.4	86.3	85.3	84.7	84.7	85.3	85.3	86.3	87.9	88.4
25°	90.0	90.0	87.9	87.4	86.8	86.3	86.3	86.8	87.4	89.5	89.5
27.5°	93.7	93.7	91.6	90.0	89.5	89.0	89.0	89.5	90.6	92.7	93.2
30°	97.4	96.9	95.3	94.8	94.8	93.2	94.3	94.8	95.3	96.9	97.4
32.5°	100.1	99.6	99.0	99.0	100.1	100.6	100.1	98.0	98.0	99.6	99.6
35°	104.9	104.3	103.3	102.2	103.8	106.4	103.3	102.2	103.3	103.8	104.3
37.5°	112.3	112.8	111.2	110.1	109.6	110.7	108.6	108.6	111.2	113.9	113.9
40°	120.2	120.7	119.1	118.6	119.1	119.1	118.1	118.6	119.1	121.3	121.8
42.5°	131.9	132.4	130.3	128.7	128.2	128.2	126.6	128.2	130.3	132.9	132.9
45°	147.7	147.7	145.1	143.0	140.3	140.3	139.8	143.0	145.1	148.8	148.8
47.5°	165.2	164.2	163.1	160.5	158.9	159.4	158.9	160.5	163.6	167.9	167.3
50°	186.4	186.4	184.8	182.7	181.1	182.7	181.1	183.2	186.9	190.1	189.6
52.5°	212.4	212.4	213.4	210.8	210.2	212.4	209.2	211.3	213.4	216.6	215.0
55°	239.4	240.9	240.9	245.7	245.2	252.1	245.2	246.8	246.8	242.5	242.5
57.5°	273.3	273.8	279.1	286.0	296.6	302.4	293.4	289.1	277.5	273.3	273.3
60°	310.8	310.3	316.1	335.7	355.9	365.9	353.2	335.2	316.7	308.7	308.2
62.5°	362.2	362.2	367.0	390.8	419.4	439.5	413.6	386.6	367.5	358.0	358.0
65°	427.9	427.9	430.0	458.1	489.3	501.0	471.8	445.4	425.2	413.1	413.6
67.5°	475.5	474.5	482.4	511.5	546.0	547.6	517.4	488.2	462.8	451.2	452.2
70°	474.5	471.3	484.5	522.7	570.3	583.0	529.0	497.3	472.9	458.6	462.8
72.5°	389.8	393.5	420.5	472.4	546.0	570.3	508.9	457.0	409.9	386.0	390.3
75°	207.6	212.9	257.4	341.0	448.0	489.8	428.9	339.4	263.2	226.6	227.2
77.5°	63.5	63.5	80.5	152.0	273.8	337.3	276.4	166.3	100.1	72.5	71.5
80°	19.1	19.6	24.4	36.0	86.3	153.0	110.7	48.2	27.5	22.2	22.8
82.5°	7.9	9.0	11.1	11.7	23.3	37.6	27.0	16.9	13.8	11.1	10.1
85°	3.7	3.7	5.8	6.4	7.9	7.9	8.5	9.0	8.5	5.8	5.3
87.5°	1.1	1.1	1.6	1.6	2.1	1.6	2.6	3.2	3.2	1.6	1.6
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)