

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: P534570

Luminaire Tested: **GALN-SA2A-AMB-U-5WQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534570
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-SA2A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2383.1 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

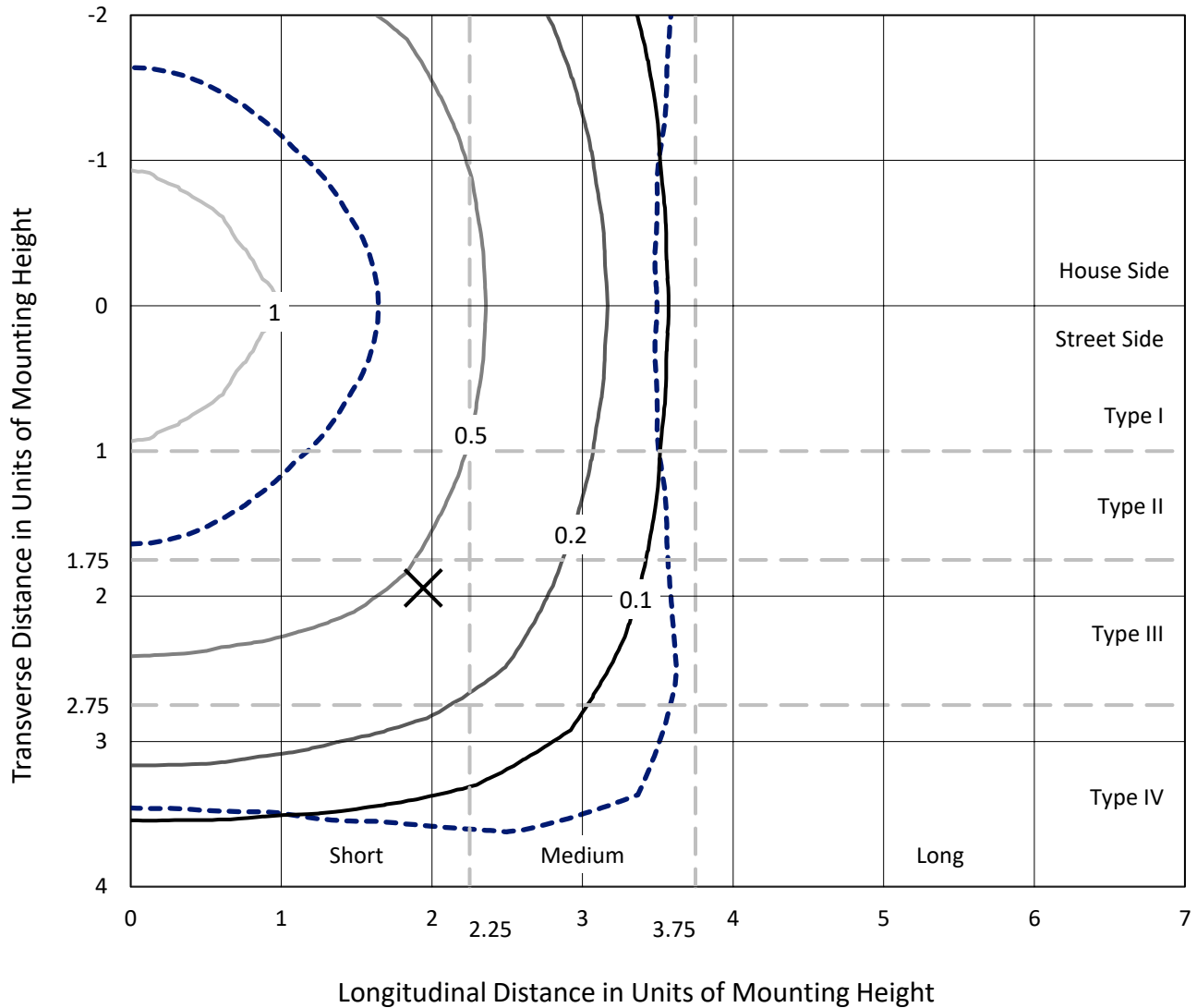
Input Watts (W): 41.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

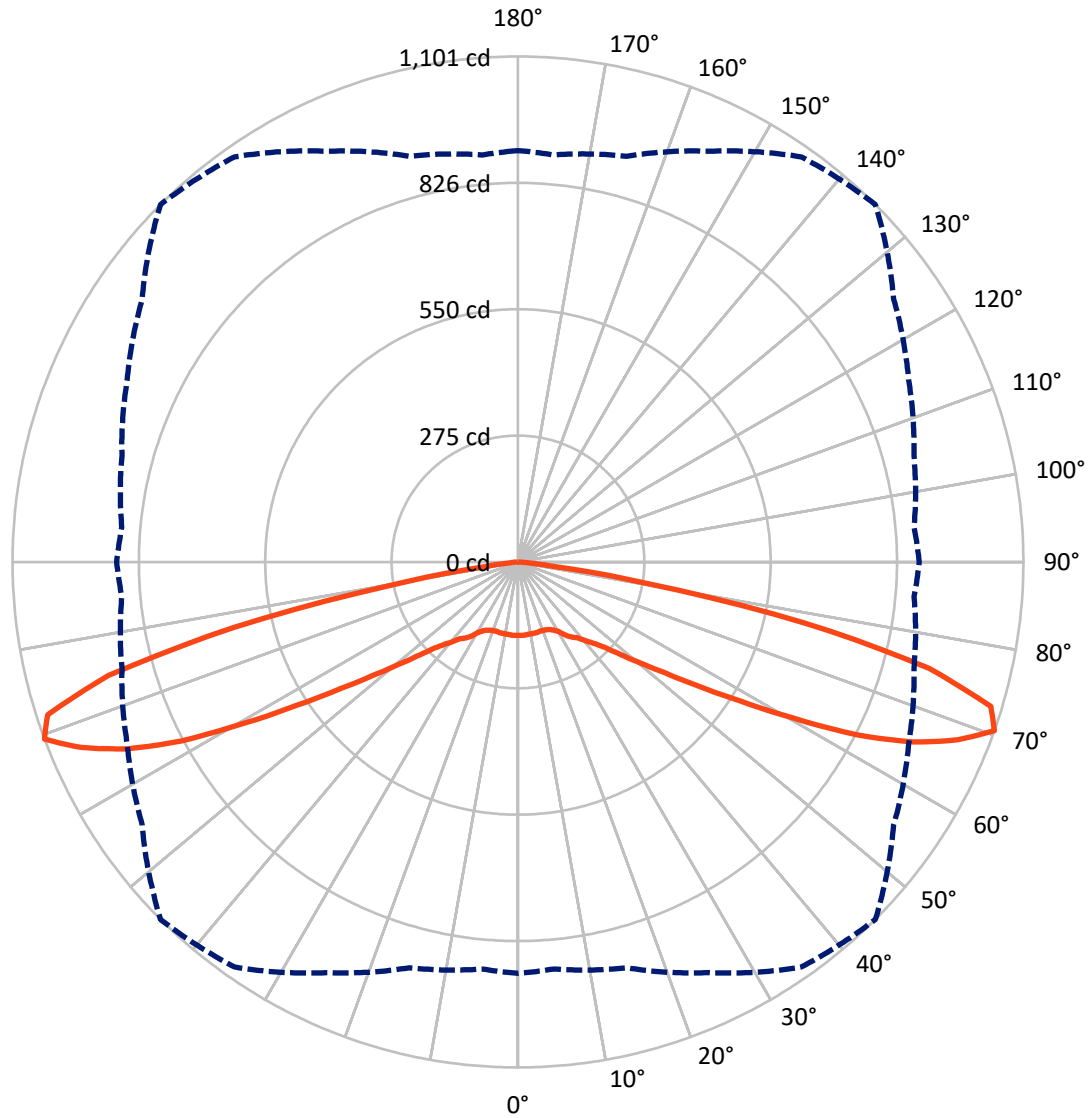
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 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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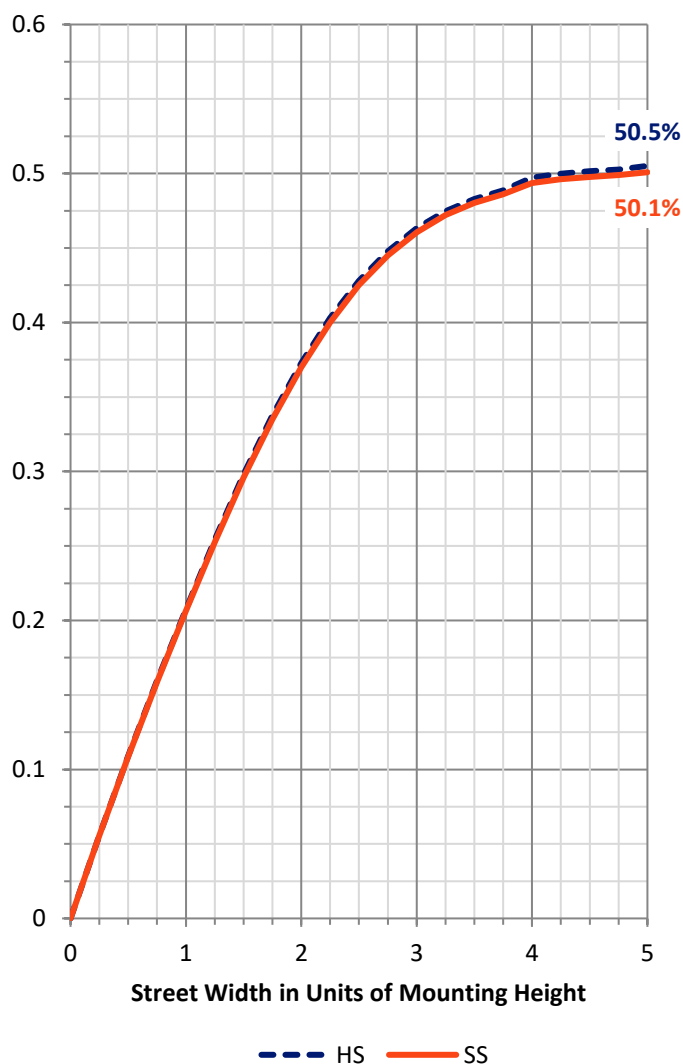
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.5	0.0	1191.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1191.5	0.0	1191.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2383.1	0.0	2383.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.6
10°-20°	45.4	1.9
20°-30°	77.7	3.3
30°-40°	125.4	5.3
40°-50°	215.9	9.1
50°-60°	426.6	17.9
60°-70°	827.2	34.7
70°-80°	620.7	26.0
80°-90°	28.9	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°	2383.1	100.0
0°-180°	2383.1	100.0

Coefficient of Utilization

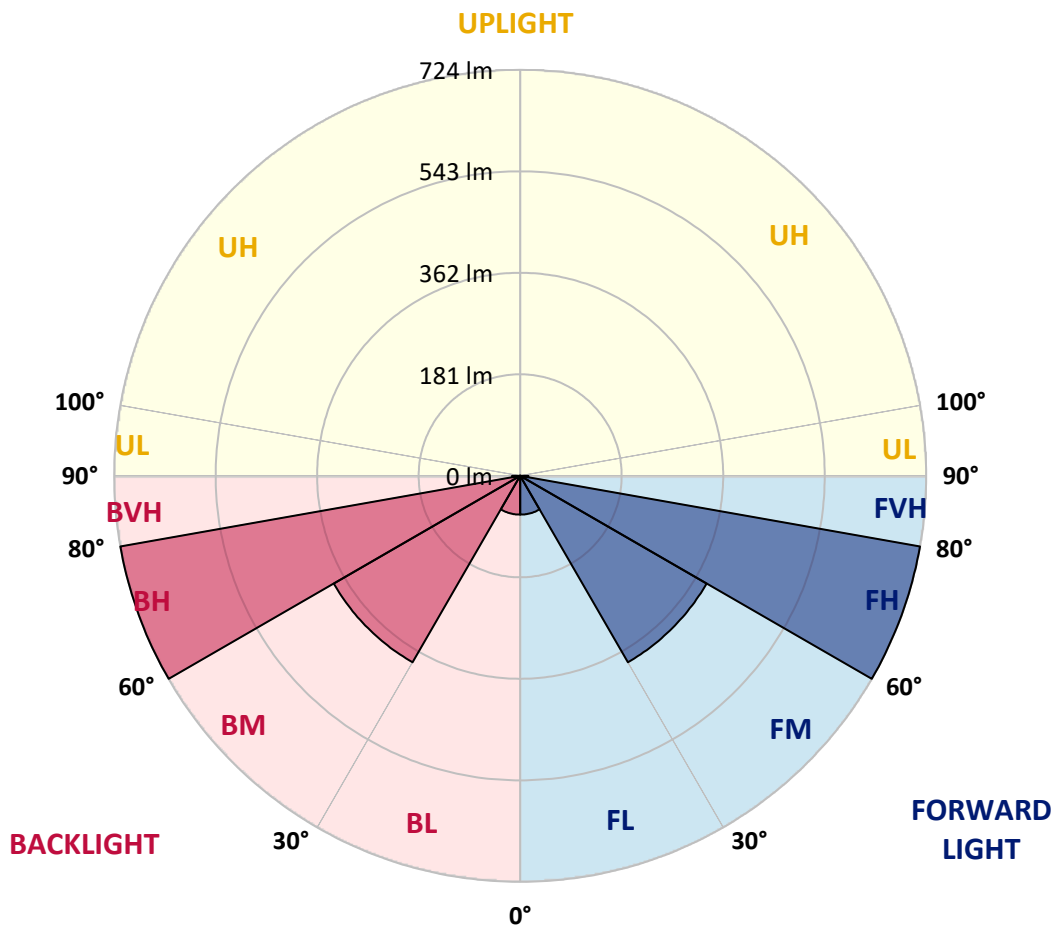


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.2	2.9			
FM (30°-60°)	383.9	16.1			
FH (60°-80°)	724.0	30.4			G1/1800
FVH (80°-90°)	14.4	0.6			G1/100
BL (0°-30°)	69.2	2.9	B0/110		
BM (30°-60°)	383.9	16.1	B1/1000		
BH (60°-80°)	724.0	30.4	B2/1000		G1/1800
BVH (80°-90°)	14.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
2.5°	161.0	161.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	161.0	160.0
5°	161.0	161.0	160.0	161.0	160.0	160.0	160.0	160.0	160.0	160.0	161.0
7.5°	162.0	161.0	160.0	160.0	160.0	159.0	159.0	160.0	159.0	160.0	160.0
10°	161.0	161.0	160.0	160.0	159.0	159.0	159.0	160.0	160.0	161.0	161.0
12.5°	162.0	162.0	160.0	159.0	159.0	159.0	159.0	160.0	161.0	162.0	162.0
15°	163.0	162.0	161.0	159.0	158.0	158.0	158.0	160.0	161.0	163.0	163.0
17.5°	164.0	163.0	161.0	159.0	158.0	158.0	159.0	159.0	161.0	164.0	164.0
20°	165.0	164.0	162.0	159.0	158.0	159.0	158.0	160.0	162.0	165.0	165.0
22.5°	167.0	167.0	163.0	161.0	160.0	160.0	161.0	161.0	163.0	166.0	167.0
25°	170.0	170.0	166.0	165.0	164.0	163.0	163.0	164.0	165.0	169.0	169.0
27.5°	177.0	177.0	173.0	170.0	169.0	168.0	168.0	169.0	171.0	175.0	176.0
30°	184.0	183.0	180.0	179.0	179.0	176.0	178.0	179.0	180.0	183.0	184.0
32.5°	189.0	188.0	187.0	187.0	189.0	190.0	189.0	185.0	185.0	188.0	188.0
35°	198.0	197.0	195.0	193.0	196.0	201.0	195.0	193.0	195.0	196.0	197.0
37.5°	212.0	213.0	210.0	208.0	207.0	209.0	205.0	205.0	210.0	215.0	215.0
40°	227.0	228.0	225.0	224.0	225.0	225.0	223.0	224.0	225.0	229.0	230.0
42.5°	249.0	250.0	246.0	243.0	242.0	242.0	239.0	242.0	246.0	251.0	251.0
45°	279.0	279.0	274.0	270.0	265.0	265.0	264.0	270.0	274.0	281.0	281.0
47.5°	312.0	310.0	308.0	303.0	300.0	301.0	300.0	303.0	309.0	317.0	316.0
50°	352.0	352.0	349.0	345.0	342.0	345.0	342.0	346.0	353.0	359.0	358.0
52.5°	401.0	401.0	403.0	398.0	397.0	401.0	395.0	399.0	403.0	409.0	406.0
55°	452.0	455.0	455.0	464.0	463.0	476.0	463.0	466.0	466.0	458.0	458.0
57.5°	516.0	517.0	527.0	540.0	560.0	571.0	554.0	546.0	524.0	516.0	516.0
60°	587.0	586.0	597.0	634.0	672.0	691.0	667.0	633.0	598.0	583.0	582.0
62.5°	684.0	684.0	693.0	738.0	792.0	830.0	781.0	730.0	694.0	676.0	676.0
65°	808.0	808.0	812.0	865.0	923.9	945.9	890.9	841.0	803.0	780.0	781.0
67.5°	897.9	895.9	910.9	965.9	1030.9	1033.9	976.9	921.9	874.0	852.0	854.0
70°	895.9	889.9	914.9	986.9	1076.9	1100.9	998.9	938.9	892.9	866.0	874.0
72.5°	736.0	743.0	794.0	891.9	1030.9	1076.9	960.9	863.0	774.0	729.0	737.0
75°	392.0	402.0	486.0	644.0	846.0	924.9	810.0	641.0	497.0	428.0	429.0
77.5°	120.0	120.0	152.0	287.0	517.0	637.0	522.0	314.0	189.0	137.0	135.0
80°	36.0	37.0	46.0	68.0	163.0	289.0	209.0	91.0	52.0	42.0	43.0
82.5°	15.0	17.0	21.0	22.0	44.0	71.0	51.0	32.0	26.0	21.0	19.0
85°	7.0	7.0	11.0	12.0	15.0	15.0	16.0	17.0	16.0	11.0	10.0
87.5°	2.0	2.0	3.0	3.0	4.0	3.0	5.0	6.0	6.0	3.0	3.0
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)