

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: P534577

Luminaire Tested: **GALN-SA3A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534577
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-SA3A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 3420 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 59.8
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

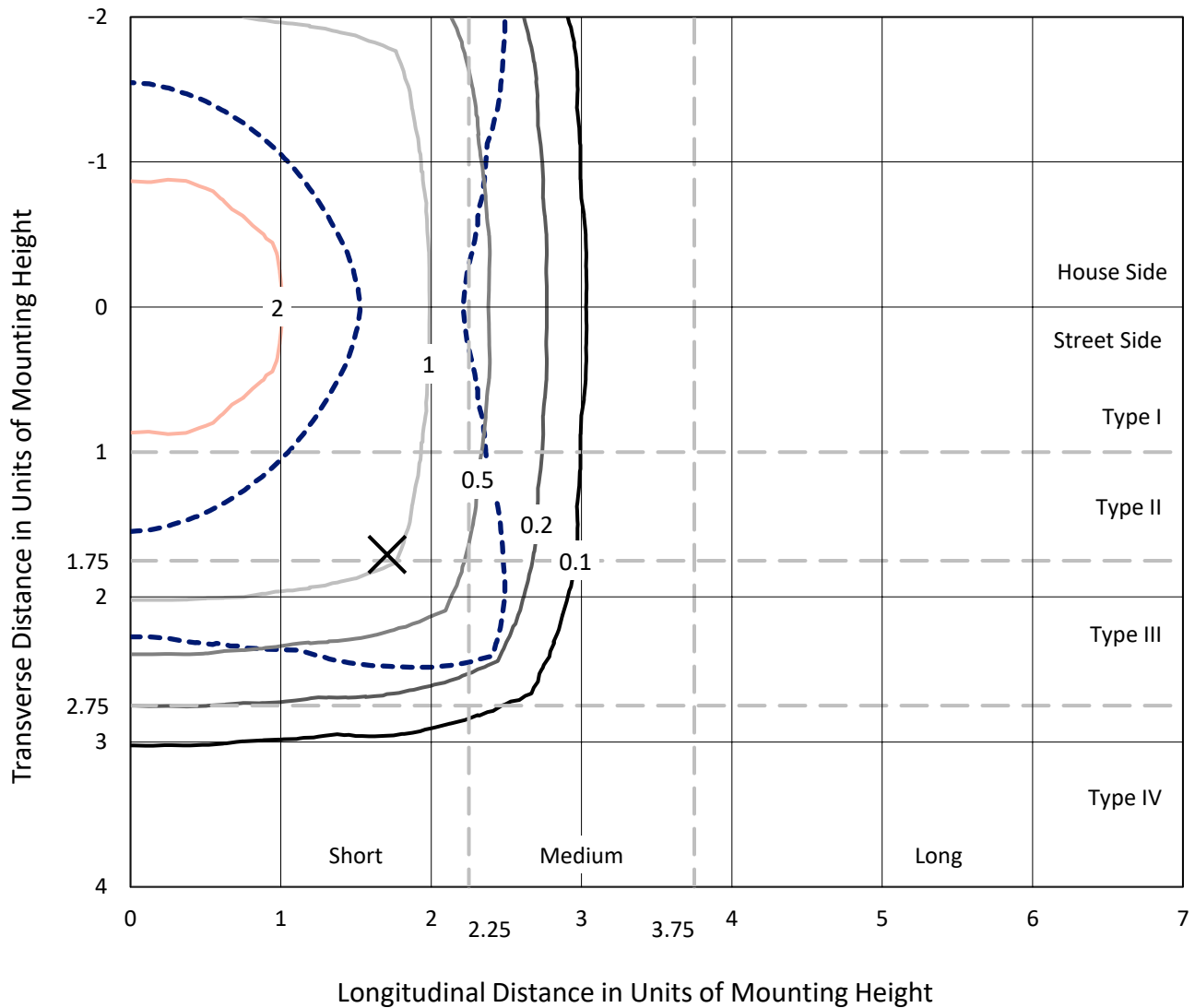


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Iso-Footcandle Lines of Horizontal Illumination

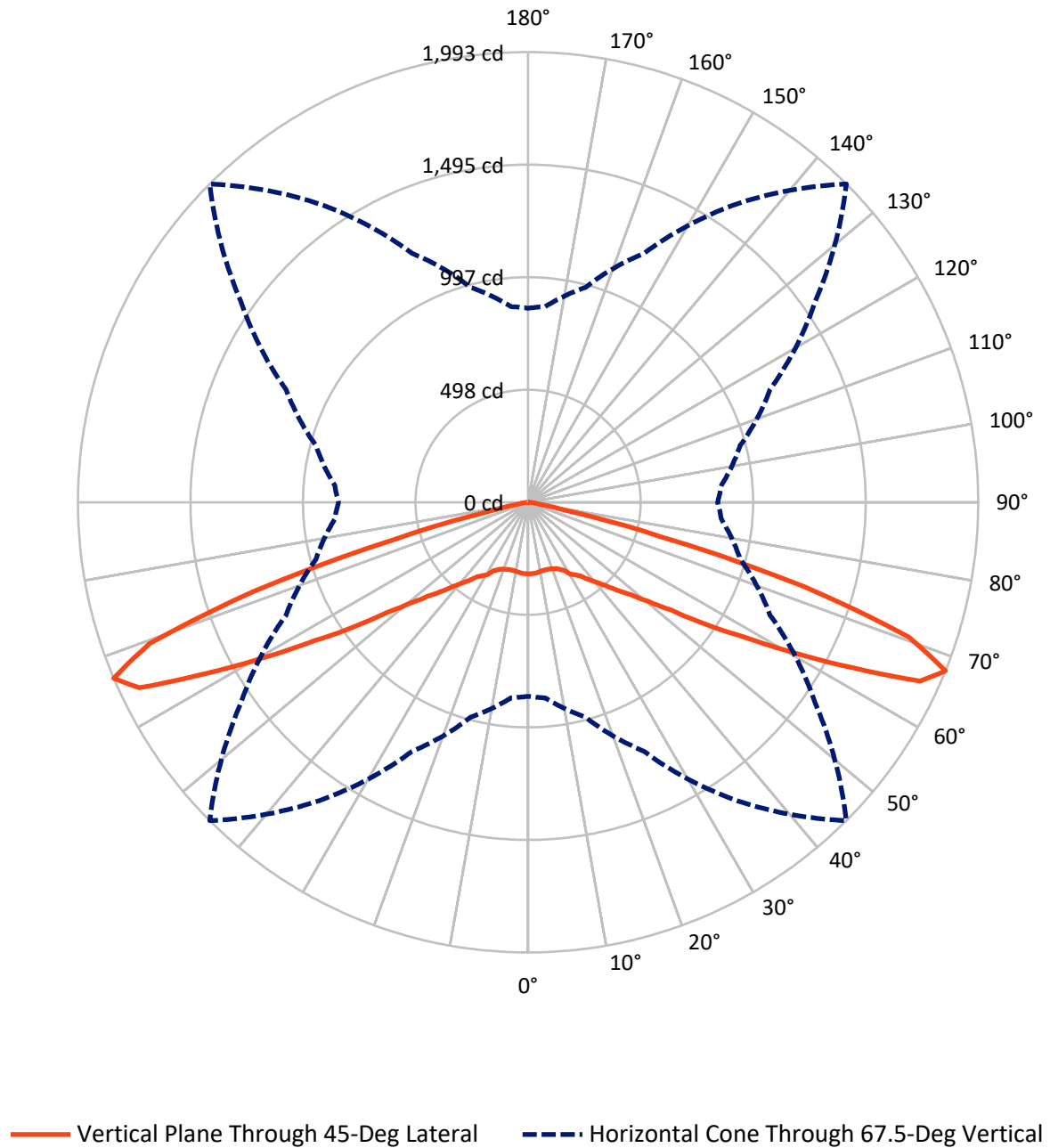
✕ Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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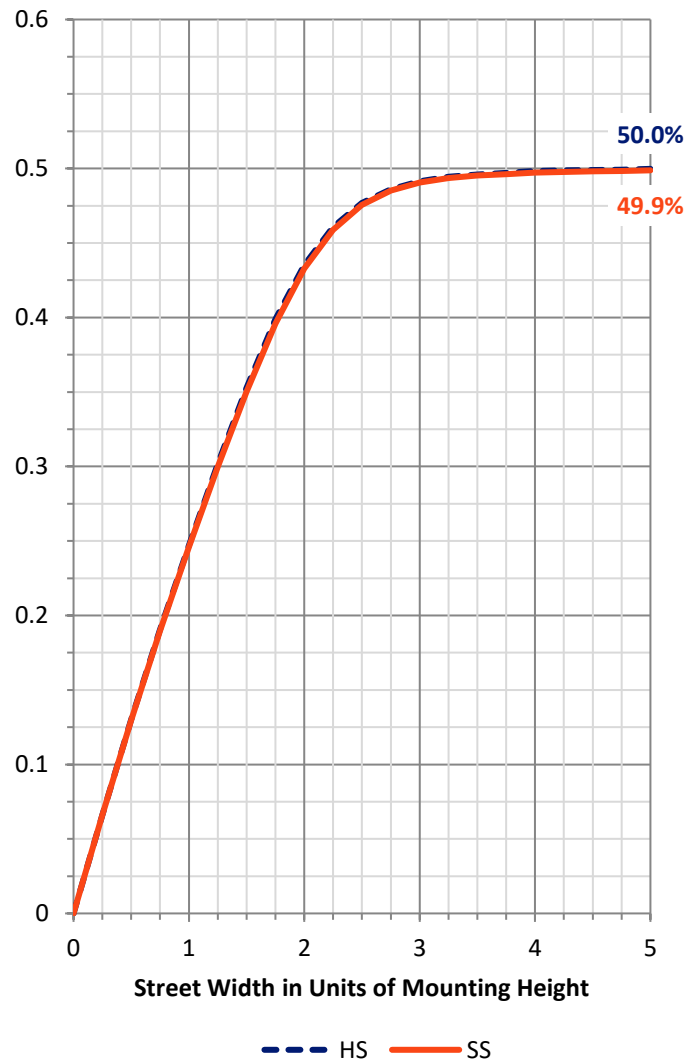
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1710.0	0.0	1710.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1710.0	0.0	1710.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3420.0	0.0	3420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	0.9
10°-20°	87.2	2.5
20°-30°	152.0	4.4
30°-40°	254.5	7.4
40°-50°	441.1	12.9
50°-60°	844.6	24.7
60°-70°	1250.5	36.6
70°-80°	343.8	10.1
80°-90°	16.2	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°	3420.0	100.0
0°-180°	3420.0	100.0

Coefficient of Utilization



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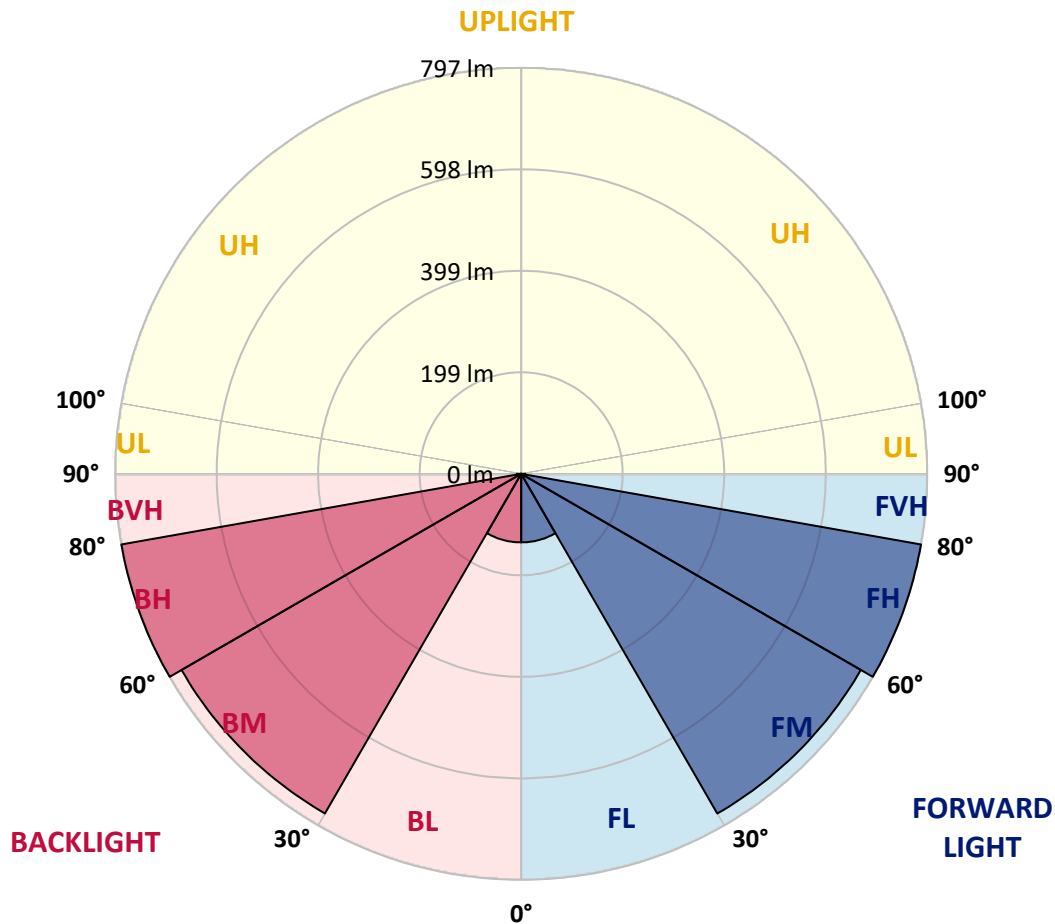
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.6	3.9			
FM	(30°-60°)	770.1	22.5			
FH	(60°-80°)	797.2	23.3			G1/1800
FVH	(80°-90°)	8.1	0.2			G0/10
BL	(0°-30°)	134.6	3.9	B1/500		
BM	(30°-60°)	770.1	22.5	B1/1000		
BH	(60°-80°)	797.2	23.3	B2/1000		G1/1800
BVH	(80°-90°)	8.1	0.2			G0/10
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°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	318.8	318.8	316.0	317.4	317.4	316.0	317.4	317.4	317.4	317.4	317.4
5°	318.8	318.8	317.4	317.4	316.0	316.0	314.6	316.0	314.6	316.0	316.0
7.5°	318.8	314.6	316.0	314.6	313.1	313.1	313.1	311.7	313.1	311.7	311.7
10°	311.7	313.1	311.7	311.7	311.7	310.3	310.3	310.3	308.8	308.8	308.8
12.5°	308.8	308.8	307.4	308.8	310.3	308.8	307.4	306.0	306.0	307.4	306.0
15°	304.6	306.0	306.0	306.0	310.3	308.8	307.4	306.0	306.0	304.6	304.6
17.5°	304.6	303.1	304.6	306.0	310.3	310.3	308.8	306.0	304.6	304.6	303.1
20°	301.7	303.1	306.0	310.3	311.7	314.6	313.1	310.3	307.4	307.4	304.6
22.5°	306.0	306.0	310.3	311.7	317.4	318.8	317.4	317.4	313.1	311.7	310.3
25°	316.0	316.0	318.8	324.6	327.4	328.9	326.0	327.4	321.7	323.1	321.7
27.5°	327.4	328.9	333.1	338.9	343.2	341.7	344.6	340.3	336.0	333.1	333.1
30°	346.0	347.4	351.7	357.5	364.6	368.9	366.0	356.0	353.2	350.3	348.9
32.5°	367.5	366.0	370.3	378.9	386.1	383.2	381.8	378.9	374.6	373.2	371.8
35°	390.3	386.1	393.2	401.8	404.6	400.3	401.8	404.6	397.5	396.1	393.2
37.5°	413.2	413.2	420.4	427.5	431.8	433.2	431.8	433.2	428.9	424.7	424.7
40°	447.5	446.1	454.7	460.4	466.1	464.7	466.1	470.4	467.5	464.7	461.8
42.5°	490.4	486.1	497.6	503.3	507.6	504.7	510.4	516.2	514.7	510.4	507.6
45°	534.8	537.6	547.6	556.2	556.2	556.2	564.8	570.5	567.6	567.6	561.9
47.5°	593.4	599.1	610.5	619.1	622.0	612.0	624.8	640.6	636.3	627.7	622.0
50°	667.7	663.4	683.5	699.2	696.3	689.2	712.0	724.9	719.2	706.3	703.5
52.5°	753.5	753.5	770.7	795.0	800.7	792.1	819.3	836.4	819.3	809.3	805.0
55°	867.9	869.3	883.6	913.7	936.5	952.3	960.8	953.7	933.7	919.4	907.9
57.5°	995.2	1000.9	1035.2	1063.8	1096.7	1122.4	1115.3	1083.8	1040.9	1010.9	1010.9
60°	1149.6	1152.4	1183.9	1243.9	1311.1	1351.2	1281.1	1199.6	1139.6	1102.4	1093.8
62.5°	1183.9	1192.5	1266.8	1394.1	1539.9	1612.8	1461.3	1314.0	1208.2	1143.9	1139.6
65°	1101.0	1103.8	1208.2	1395.5	1675.7	1907.4	1591.4	1331.2	1143.9	1045.2	1033.8
67.5°	859.3	869.3	985.1	1216.8	1612.8	1993.2	1552.8	1182.5	972.3	859.3	839.3
70°	501.9	517.6	600.5	822.1	1312.6	1790.1	1279.7	852.2	626.3	531.9	523.3
72.5°	235.9	241.6	291.7	428.9	826.4	1279.7	837.9	460.4	290.3	245.9	234.5
75°	80.1	84.4	94.4	147.3	341.7	609.1	338.9	147.3	97.2	91.5	88.6
77.5°	47.2	45.8	47.2	50.0	87.2	164.4	91.5	55.8	50.0	51.5	51.5
80°	28.6	28.6	32.9	34.3	37.2	44.3	42.9	40.0	37.2	31.5	31.5
82.5°	14.3	15.7	22.9	24.3	24.3	27.2	28.6	30.0	27.2	17.2	17.2
85°	8.6	7.1	12.9	14.3	14.3	11.4	15.7	18.6	17.2	8.6	10.0
87.5°	1.4	1.4	4.3	4.3	4.3	2.9	4.3	5.7	5.7	2.9	1.4
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)