

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: P534578

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534578
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-SA3A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 3407 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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



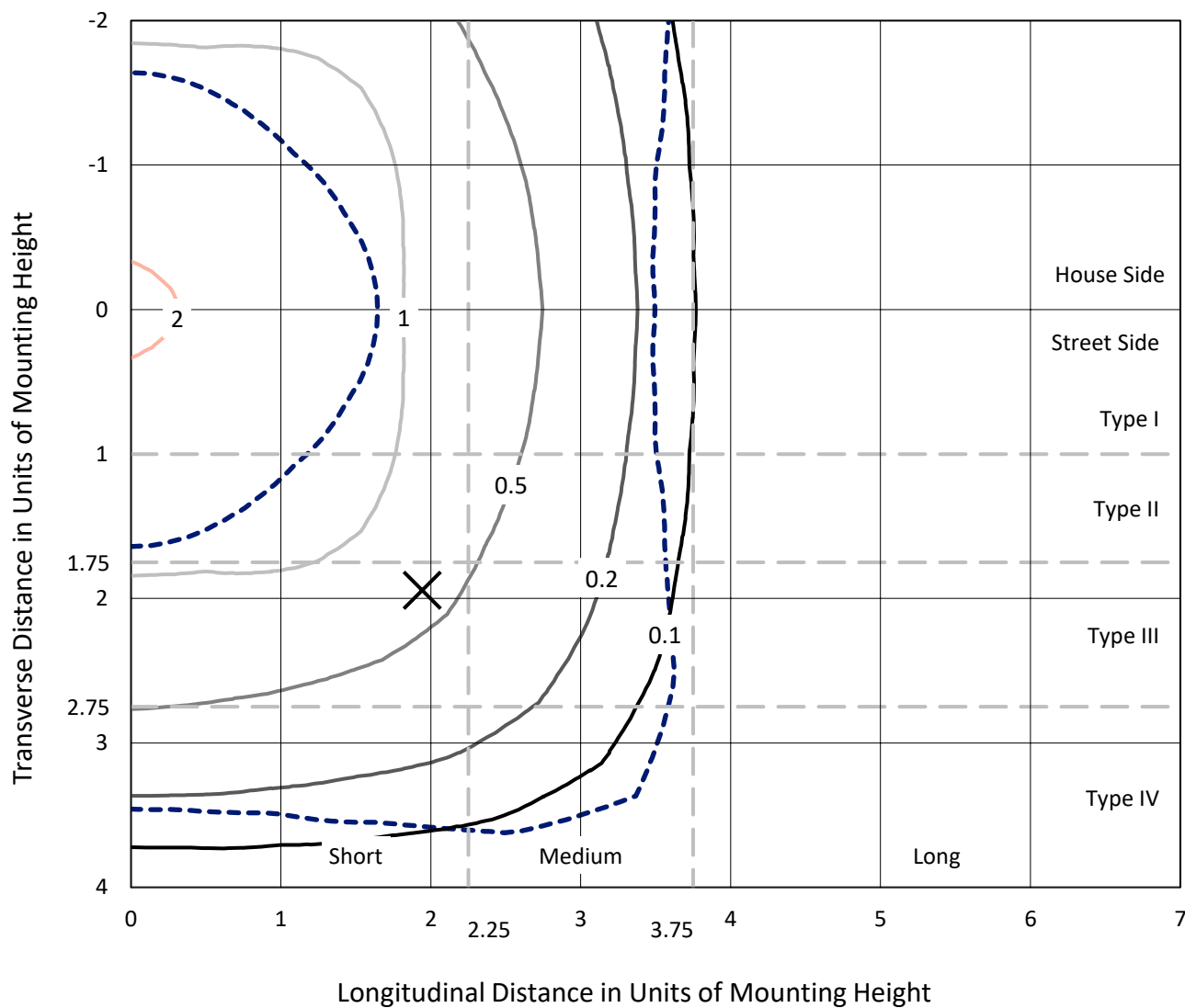
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

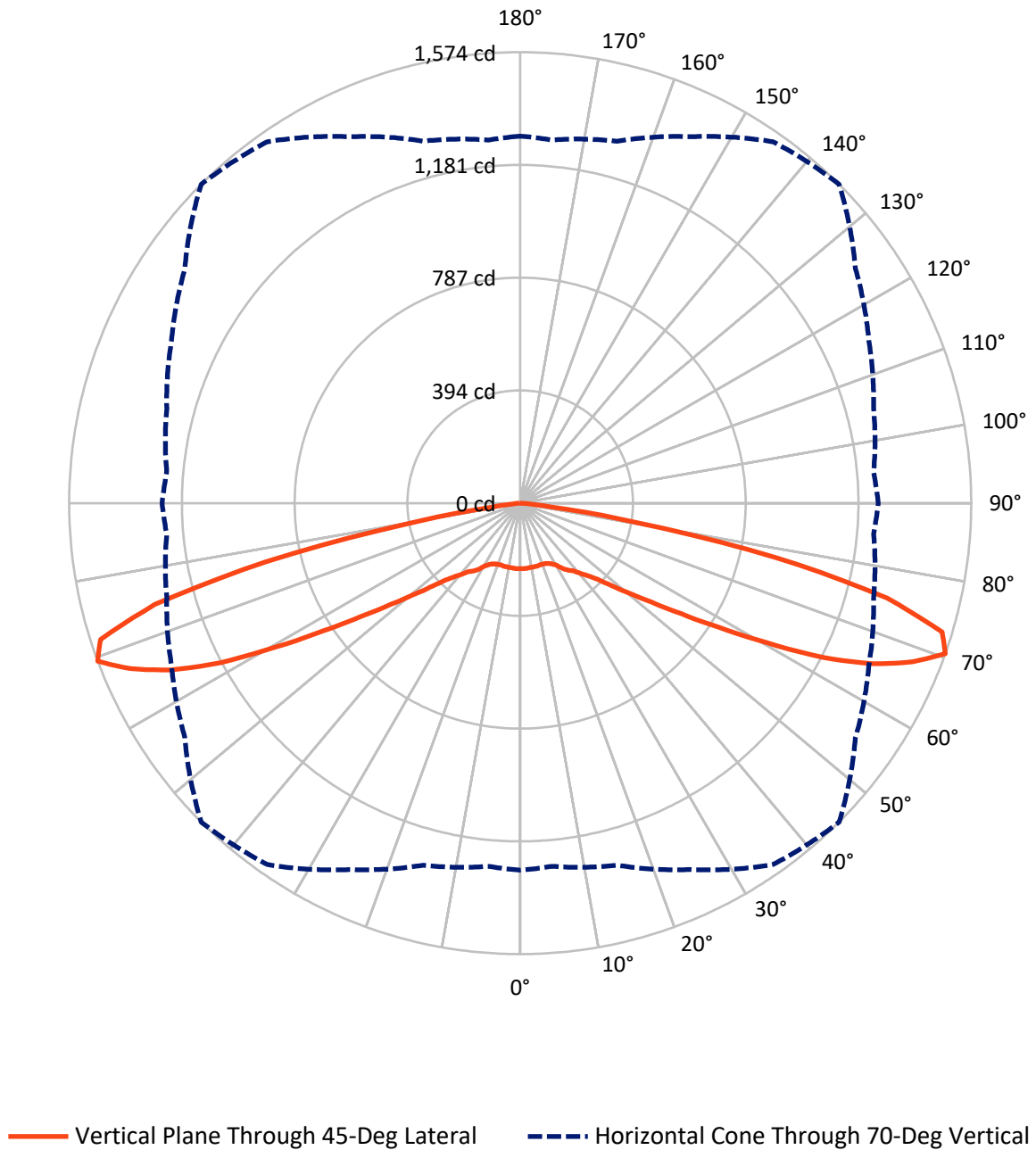
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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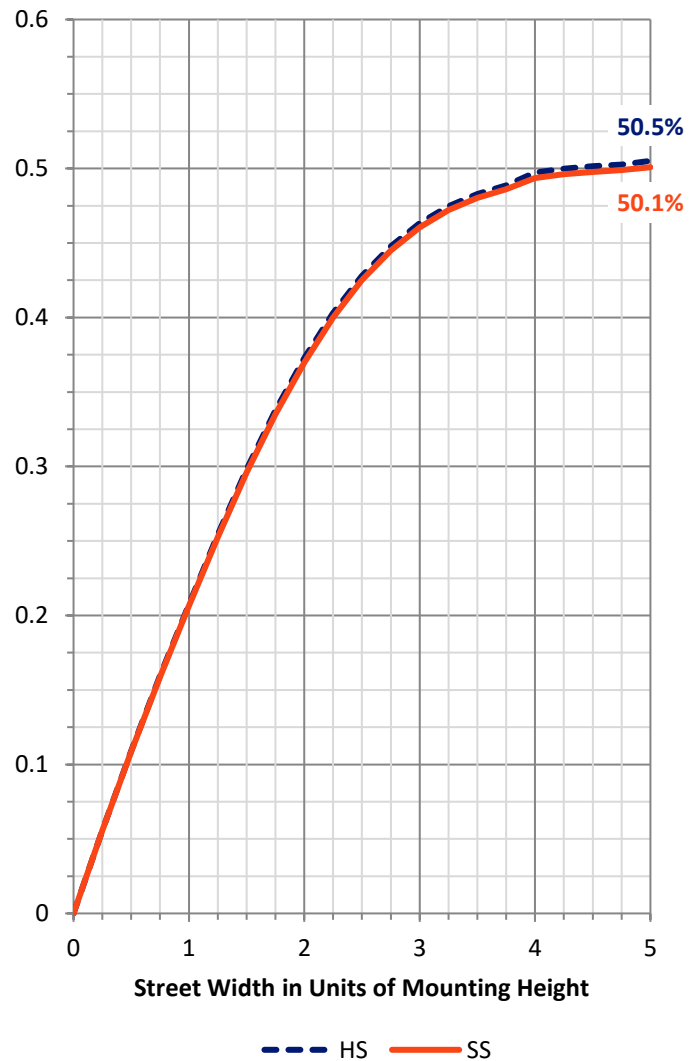
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1703.5	0.0	1703.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1703.5	0.0	1703.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3407.0	0.0	3407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.6
10°-20°	64.9	1.9
20°-30°	111.1	3.3
30°-40°	179.3	5.3
40°-50°	308.6	9.1
50°-60°	609.9	17.9
60°-70°	1182.6	34.7
70°-80°	887.5	26.0
80°-90°	41.3	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°	3407.0	100.0
0°-180°	3407.0	100.0

Coefficient of Utilization



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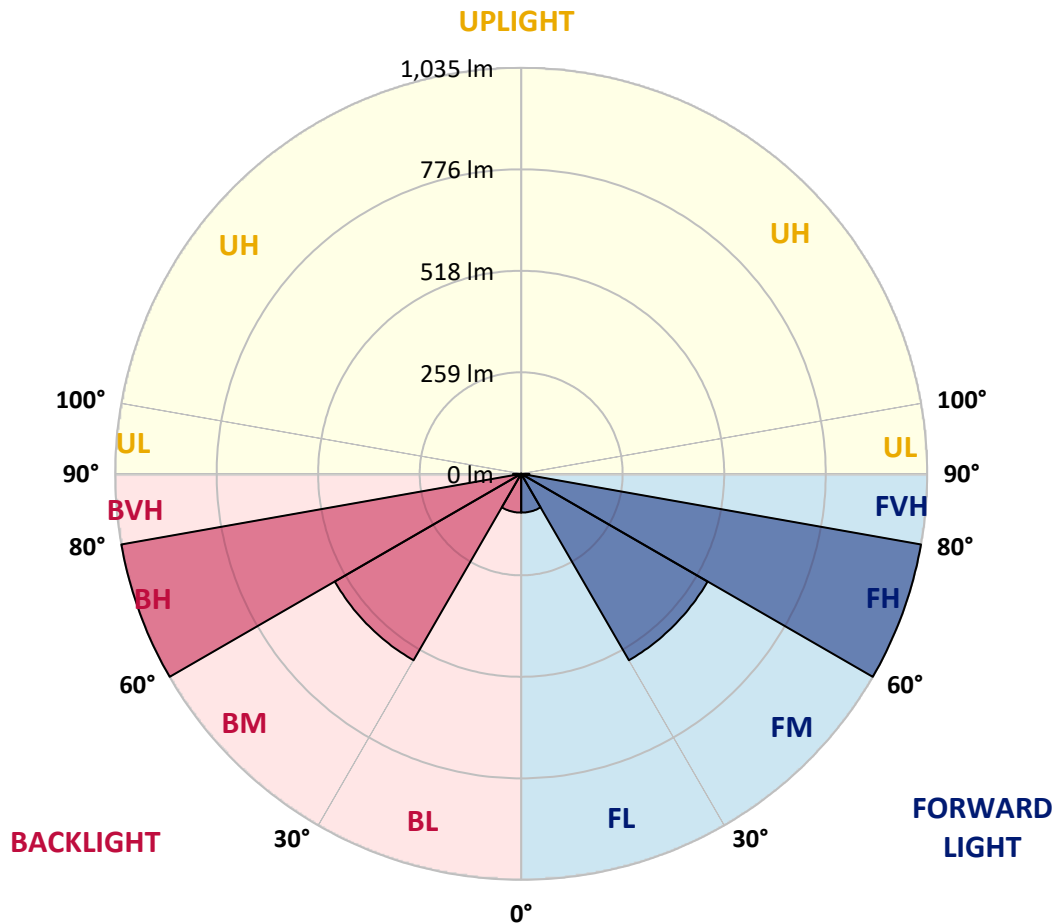
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.9	2.9			
FM	(30°-60°)	548.9	16.1			
FH	(60°-80°)	1035.1	30.4			G1/1800
FVH	(80°-90°)	20.6	0.6			G1/100
BL	(0°-30°)	98.9	2.9	B0/110		
BM	(30°-60°)	548.9	16.1	B1/1000		
BH	(60°-80°)	1035.1	30.4	B3/2500		G1/1800
BVH	(80°-90°)	20.6	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	230.2	230.2	228.7	228.7	228.7	228.7	228.7	228.7	228.7	230.2	228.7
5°	230.2	230.2	228.7	230.2	228.7	228.7	228.7	228.7	228.7	228.7	230.2
7.5°	231.6	230.2	228.7	228.7	228.7	227.3	227.3	228.7	227.3	228.7	228.7
10°	230.2	230.2	228.7	228.7	227.3	227.3	227.3	228.7	228.7	230.2	230.2
12.5°	231.6	231.6	228.7	227.3	227.3	227.3	227.3	228.7	230.2	231.6	231.6
15°	233.0	231.6	230.2	227.3	225.9	225.9	225.9	228.7	230.2	233.0	233.0
17.5°	234.5	233.0	230.2	227.3	225.9	225.9	227.3	227.3	230.2	234.5	234.5
20°	235.9	234.5	231.6	227.3	225.9	225.9	225.9	228.7	231.6	235.9	235.9
22.5°	238.7	238.7	233.0	230.2	228.7	228.7	230.2	230.2	233.0	237.3	238.7
25°	243.0	243.0	237.3	235.9	234.5	233.0	233.0	234.5	235.9	241.6	241.6
27.5°	253.0	253.0	247.3	243.0	241.6	240.2	240.2	241.6	244.5	250.2	251.6
30°	263.1	261.6	257.3	255.9	255.9	251.6	254.5	255.9	257.3	261.6	263.1
32.5°	270.2	268.8	267.3	267.3	270.2	271.6	270.2	264.5	264.5	268.8	268.8
35°	283.1	281.6	278.8	275.9	280.2	287.4	278.8	275.9	278.8	280.2	281.6
37.5°	303.1	304.5	300.2	297.4	295.9	298.8	293.1	293.1	300.2	307.4	307.4
40°	324.5	326.0	321.7	320.2	321.7	321.7	318.8	320.2	321.7	327.4	328.8
42.5°	356.0	357.4	351.7	347.4	346.0	346.0	341.7	346.0	351.7	358.8	358.8
45°	398.9	398.9	391.7	386.0	378.9	378.9	377.4	386.0	391.7	401.7	401.7
47.5°	446.0	443.2	440.3	433.2	428.9	430.3	428.9	433.2	441.8	453.2	451.8
50°	503.2	503.2	498.9	493.2	488.9	493.2	488.9	494.7	504.7	513.2	511.8
52.5°	573.3	573.3	576.1	569.0	567.6	573.3	564.7	570.4	576.1	584.7	580.4
55°	646.2	650.5	650.5	663.3	661.9	680.5	661.9	666.2	666.2	654.8	654.8
57.5°	737.7	739.1	753.4	772.0	800.6	816.3	792.0	780.6	749.1	737.7	737.7
60°	839.2	837.8	853.5	906.4	960.7	987.9	953.6	905.0	854.9	833.5	832.0
62.5°	977.9	977.9	990.7	1055.1	1132.3	1186.6	1116.5	1043.6	992.2	966.4	966.4
65°	1155.1	1155.1	1160.9	1236.6	1321.0	1352.4	1273.8	1202.3	1148.0	1115.1	1116.5
67.5°	1283.8	1280.9	1302.4	1381.0	1473.9	1478.2	1396.7	1318.1	1249.5	1218.0	1220.9
70°	1280.9	1272.4	1308.1	1411.0	1539.7	1574.0	1428.2	1342.4	1276.7	1238.1	1249.5
72.5°	1052.2	1062.2	1135.1	1275.2	1473.9	1539.7	1373.9	1233.8	1106.5	1042.2	1053.6
75°	560.4	574.7	694.8	920.7	1209.5	1322.4	1158.0	916.4	710.5	611.9	613.3
77.5°	171.6	171.6	217.3	410.3	739.1	910.7	746.3	448.9	270.2	195.9	193.0
80°	51.5	52.9	65.8	97.2	233.0	413.2	298.8	130.1	74.3	60.0	61.5
82.5°	21.4	24.3	30.0	31.5	62.9	101.5	72.9	45.7	37.2	30.0	27.2
85°	10.0	10.0	15.7	17.2	21.4	21.4	22.9	24.3	22.9	15.7	14.3
87.5°	2.9	2.9	4.3	4.3	5.7	4.3	7.1	8.6	8.6	4.3	4.3
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)