

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: P534593

Luminaire Tested: **GALN-SA5A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534593
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-SA5A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 5548 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

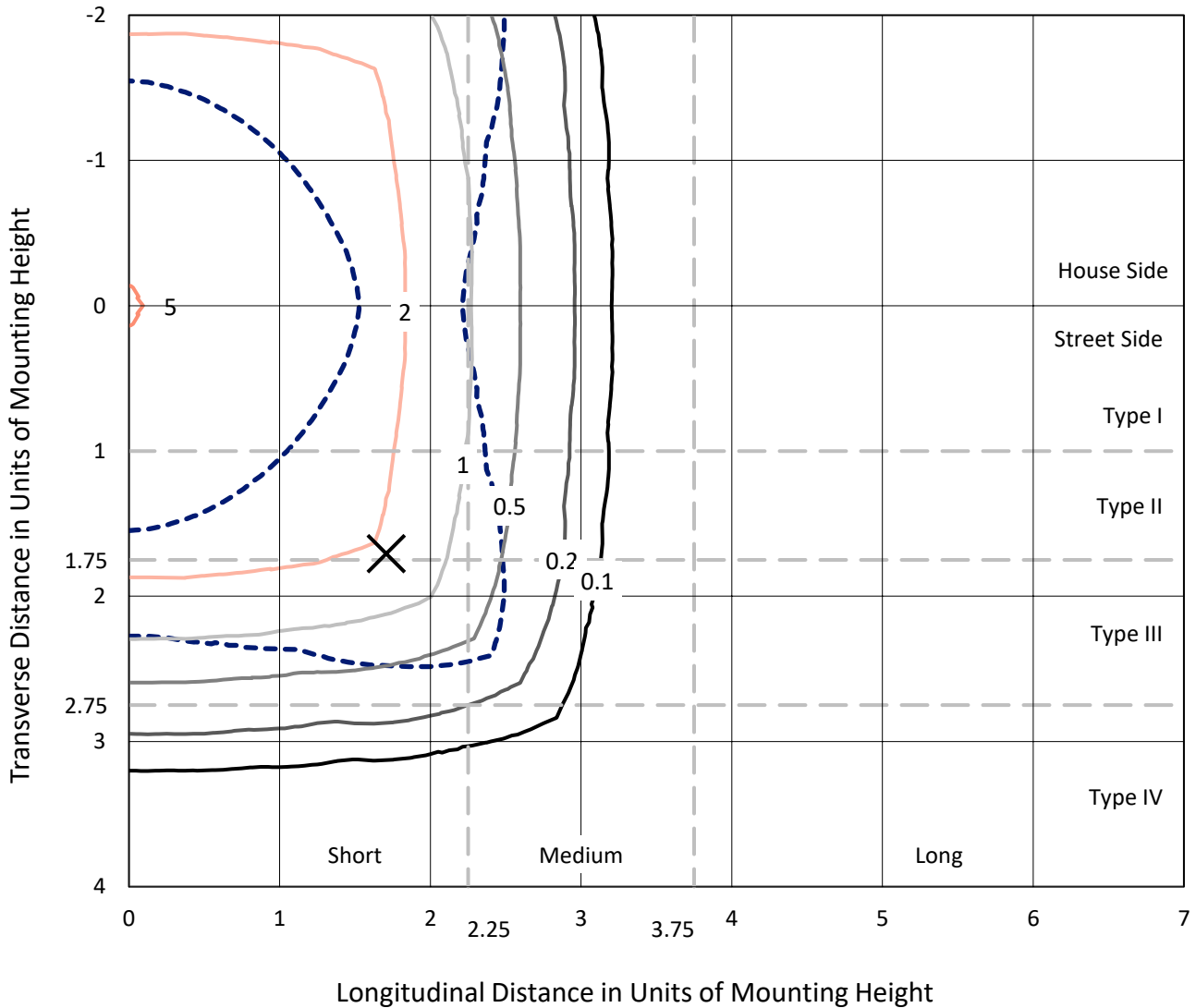
Input Watts (W): 100.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

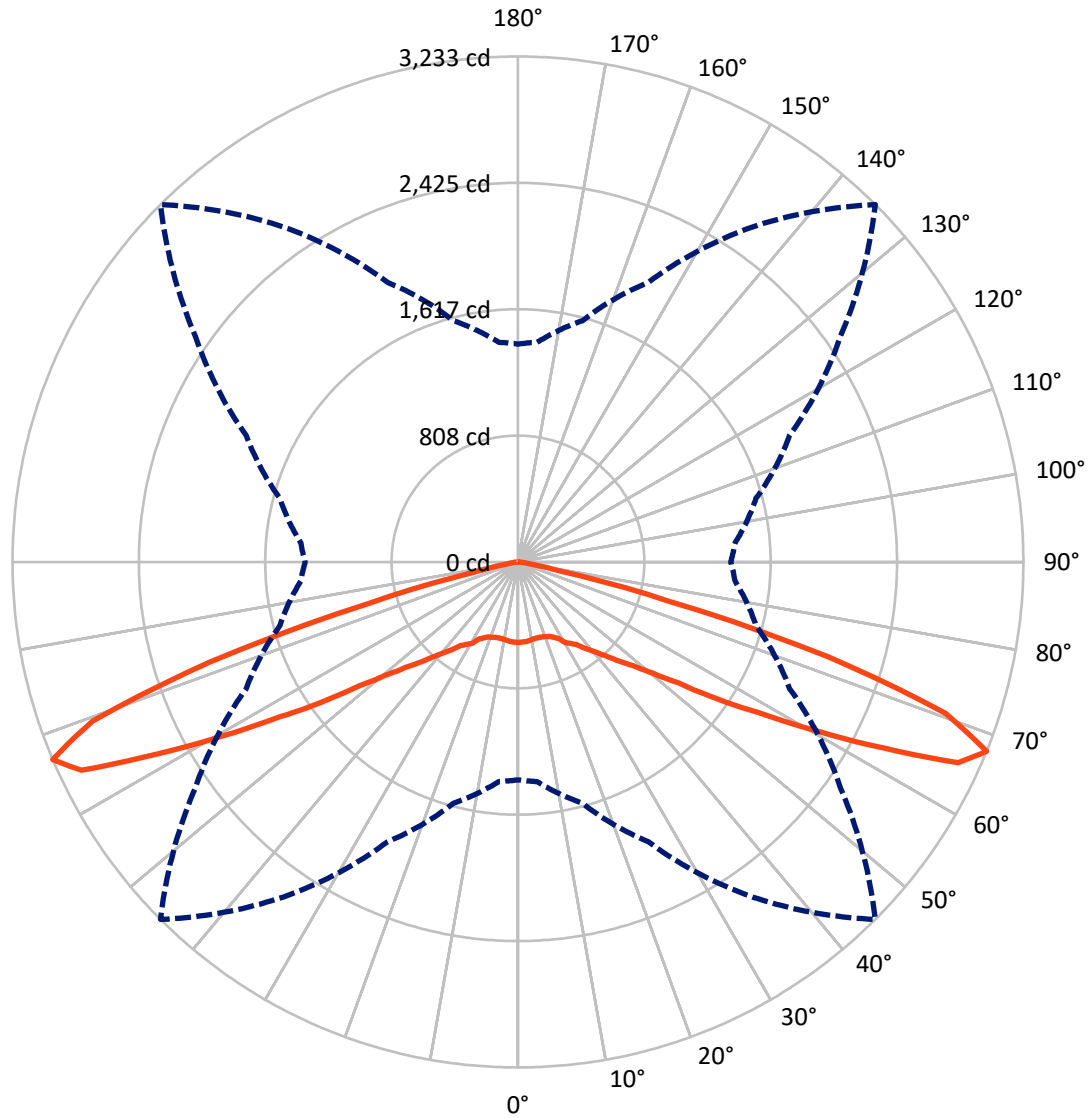
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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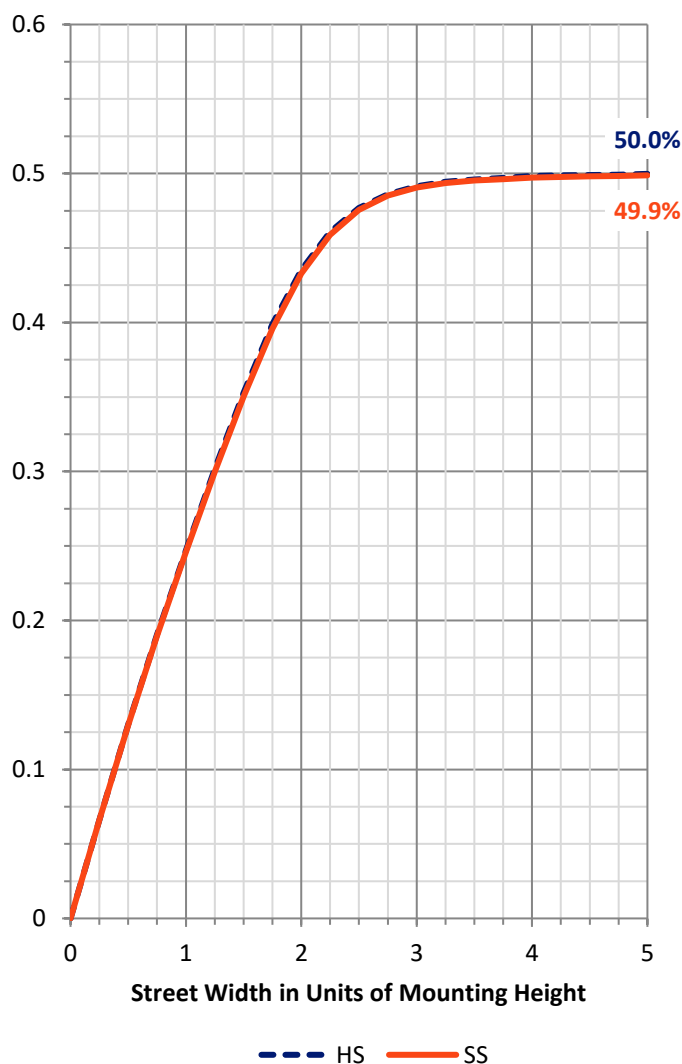
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2774.0	0.0	2774.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2774.0	0.0	2774.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5548.0	0.0	5548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.9
10°-20°	141.5	2.5
20°-30°	246.7	4.4
30°-40°	412.8	7.4
40°-50°	715.6	12.9
50°-60°	1370.1	24.7
60°-70°	2028.7	36.6
70°-80°	557.7	10.1
80°-90°	26.4	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°	5548.0	100.0
0°-180°	5548.0	100.0

Coefficient of Utilization



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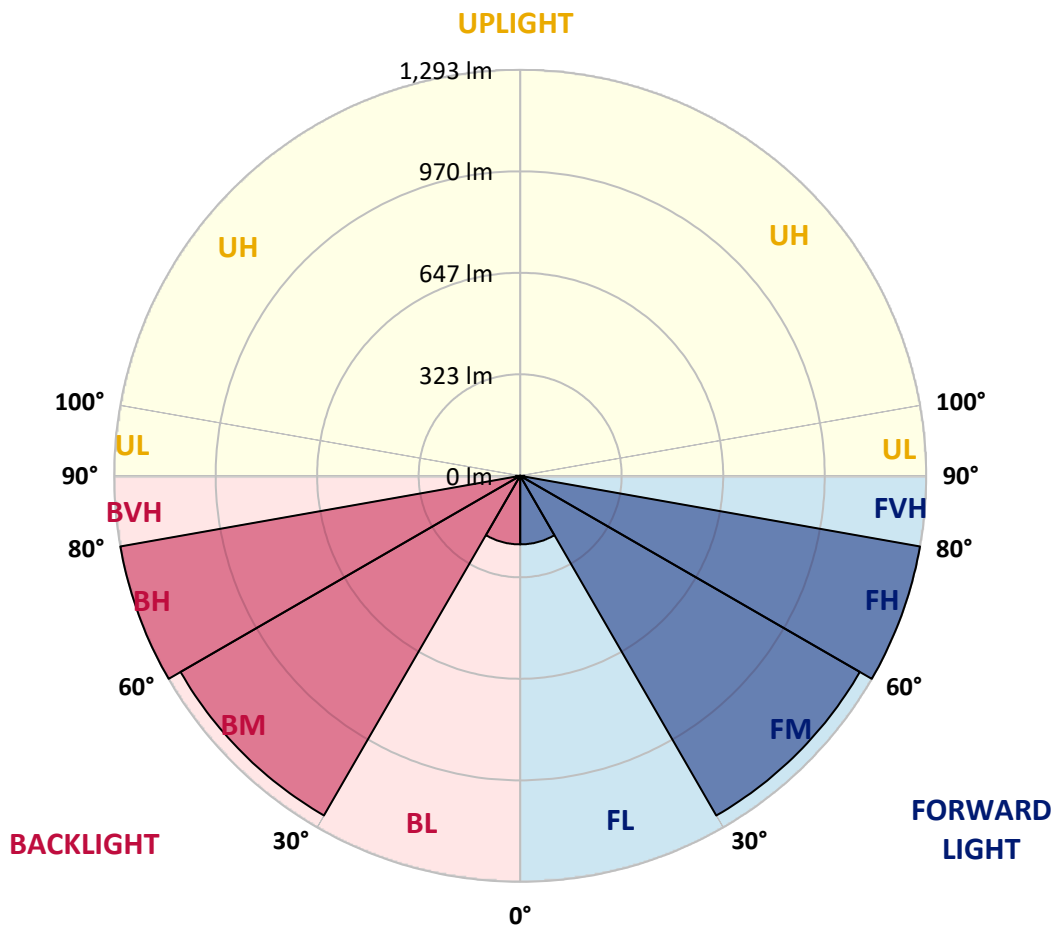
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.4	3.9			
FM (30°-60°)	1249.3	22.5			
FH (60°-80°)	1293.2	23.3			G1/1800
FVH (80°-90°)	13.2	0.2			G1/100
BL (0°-30°)	218.4	3.9	B1/500		
BM (30°-60°)	1249.3	22.5	B2/2500		
BH (60°-80°)	1293.2	23.3	B3/2500		G1/1800
BVH (80°-90°)	13.2	0.2			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°	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9	514.9
2.5°	517.2	517.2	512.6	514.9	514.9	512.6	514.9	514.9	514.9	514.9	514.9
5°	517.2	517.2	514.9	514.9	512.6	512.6	510.3	512.6	510.3	512.6	512.6
7.5°	517.2	510.3	512.6	510.3	508.0	508.0	508.0	505.6	508.0	505.6	505.6
10°	505.6	508.0	505.6	505.6	505.6	503.3	503.3	503.3	501.0	501.0	501.0
12.5°	501.0	501.0	498.7	501.0	503.3	501.0	498.7	496.4	496.4	498.7	496.4
15°	494.0	496.4	496.4	496.4	503.3	501.0	498.7	496.4	496.4	494.0	494.0
17.5°	494.0	491.7	494.0	496.4	503.3	503.3	501.0	496.4	494.0	494.0	491.7
20°	489.4	491.7	496.4	503.3	505.6	510.3	508.0	503.3	498.7	498.7	494.0
22.5°	496.4	496.4	503.3	505.6	514.9	517.2	514.9	514.9	508.0	505.6	503.3
25°	512.6	512.6	517.2	526.5	531.2	533.5	528.8	531.2	521.9	524.2	521.9
27.5°	531.2	533.5	540.4	549.7	556.7	554.4	559.0	552.0	545.1	540.4	540.4
30°	561.3	563.6	570.6	579.9	591.5	598.4	593.8	577.6	572.9	568.3	566.0
32.5°	596.1	593.8	600.7	614.7	626.3	621.6	619.3	614.7	607.7	605.4	603.1
35°	633.2	626.3	637.9	651.8	656.4	649.5	651.8	656.4	644.8	642.5	637.9
37.5°	670.3	670.3	681.9	693.5	700.5	702.8	700.5	702.8	695.8	688.9	688.9
40°	726.0	723.7	737.6	746.9	756.2	753.8	756.2	763.1	758.5	753.8	749.2
42.5°	795.6	788.6	807.2	816.5	823.4	818.8	828.1	837.3	835.0	828.1	823.4
45°	867.5	872.1	888.4	902.3	902.3	902.3	916.2	925.5	920.8	920.8	911.6
47.5°	962.6	971.9	990.4	1004.3	1009.0	992.7	1013.6	1039.1	1032.2	1018.3	1009.0
50°	1083.2	1076.2	1108.7	1134.2	1129.6	1118.0	1155.1	1176.0	1166.7	1145.8	1141.2
52.5°	1222.4	1222.4	1250.2	1289.6	1298.9	1285.0	1329.1	1356.9	1329.1	1312.8	1305.9
55°	1407.9	1410.2	1433.4	1482.1	1519.3	1544.8	1558.7	1547.1	1514.6	1491.4	1472.9
57.5°	1614.4	1623.6	1679.3	1725.7	1779.0	1820.8	1809.2	1758.2	1688.6	1639.9	1639.9
60°	1864.9	1869.5	1920.5	2017.9	2127.0	2191.9	2078.3	1946.0	1848.6	1788.3	1774.4
62.5°	1920.5	1934.4	2055.1	2261.5	2498.1	2616.4	2370.5	2131.6	1960.0	1855.6	1848.6
65°	1786.0	1790.6	1960.0	2263.8	2718.4	3094.2	2581.6	2159.4	1855.6	1695.5	1677.0
67.5°	1394.0	1410.2	1598.1	1973.9	2616.4	3233.4	2519.0	1918.2	1577.2	1394.0	1361.5
70°	814.1	839.7	974.2	1333.7	2129.3	2904.0	2075.9	1382.4	1015.9	862.8	848.9
72.5°	382.7	392.0	473.2	695.8	1340.7	2075.9	1359.2	746.9	470.9	399.0	380.4
75°	129.9	136.8	153.1	238.9	554.4	988.1	549.7	238.9	157.7	148.4	143.8
77.5°	76.5	74.2	76.5	81.2	141.5	266.7	148.4	90.5	81.2	83.5	83.5
80°	46.4	46.4	53.3	55.7	60.3	71.9	69.6	64.9	60.3	51.0	51.0
82.5°	23.2	25.5	37.1	39.4	39.4	44.1	46.4	48.7	44.1	27.8	27.8
85°	13.9	11.6	20.9	23.2	23.2	18.6	25.5	30.2	27.8	13.9	16.2
87.5°	2.3	2.3	7.0	7.0	7.0	4.6	7.0	9.3	9.3	4.6	2.3
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)