

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: P534594

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534594
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-SA5A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 5527 lumens
Efficiency: N/A
Efficacy: 55.2 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

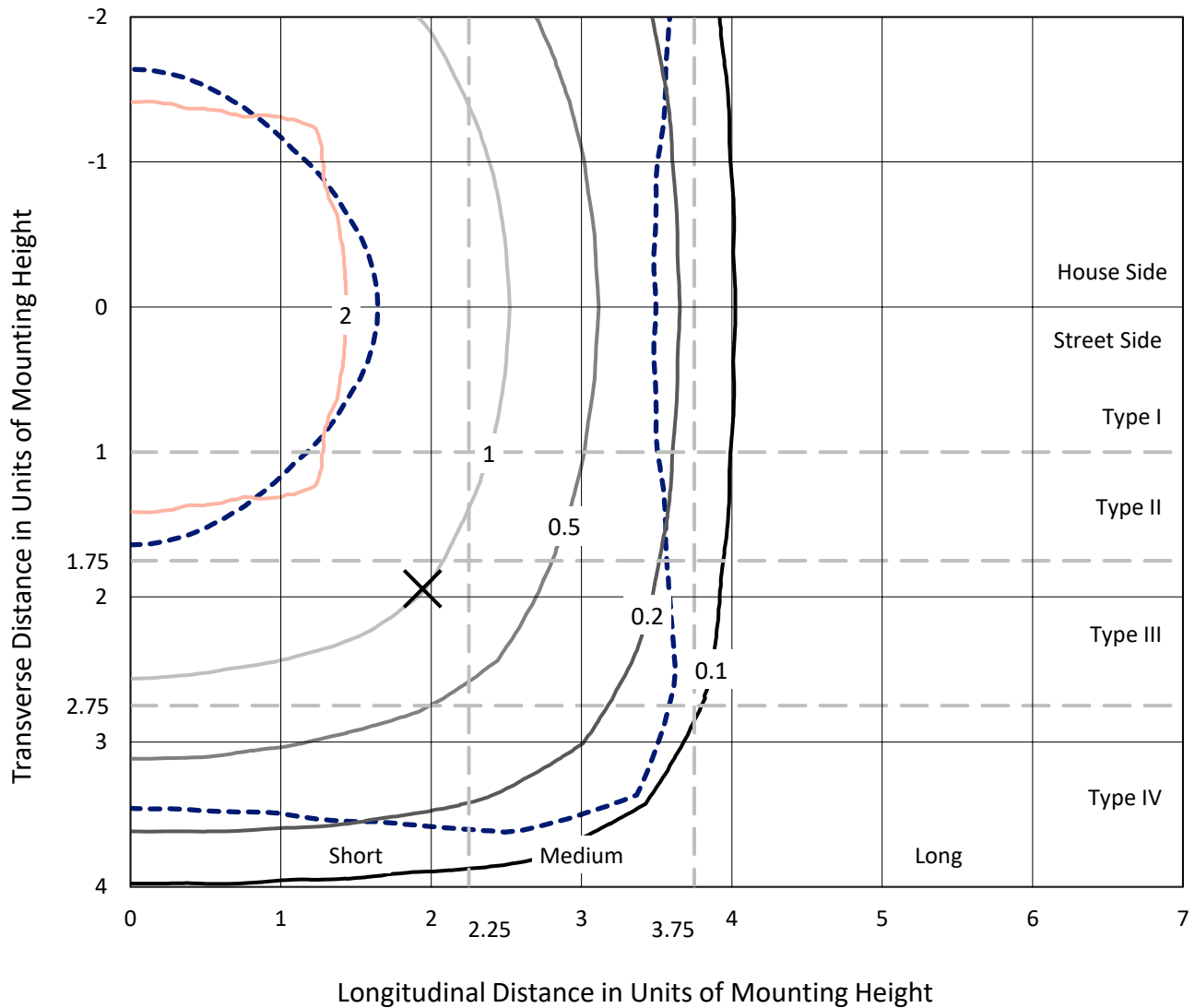


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

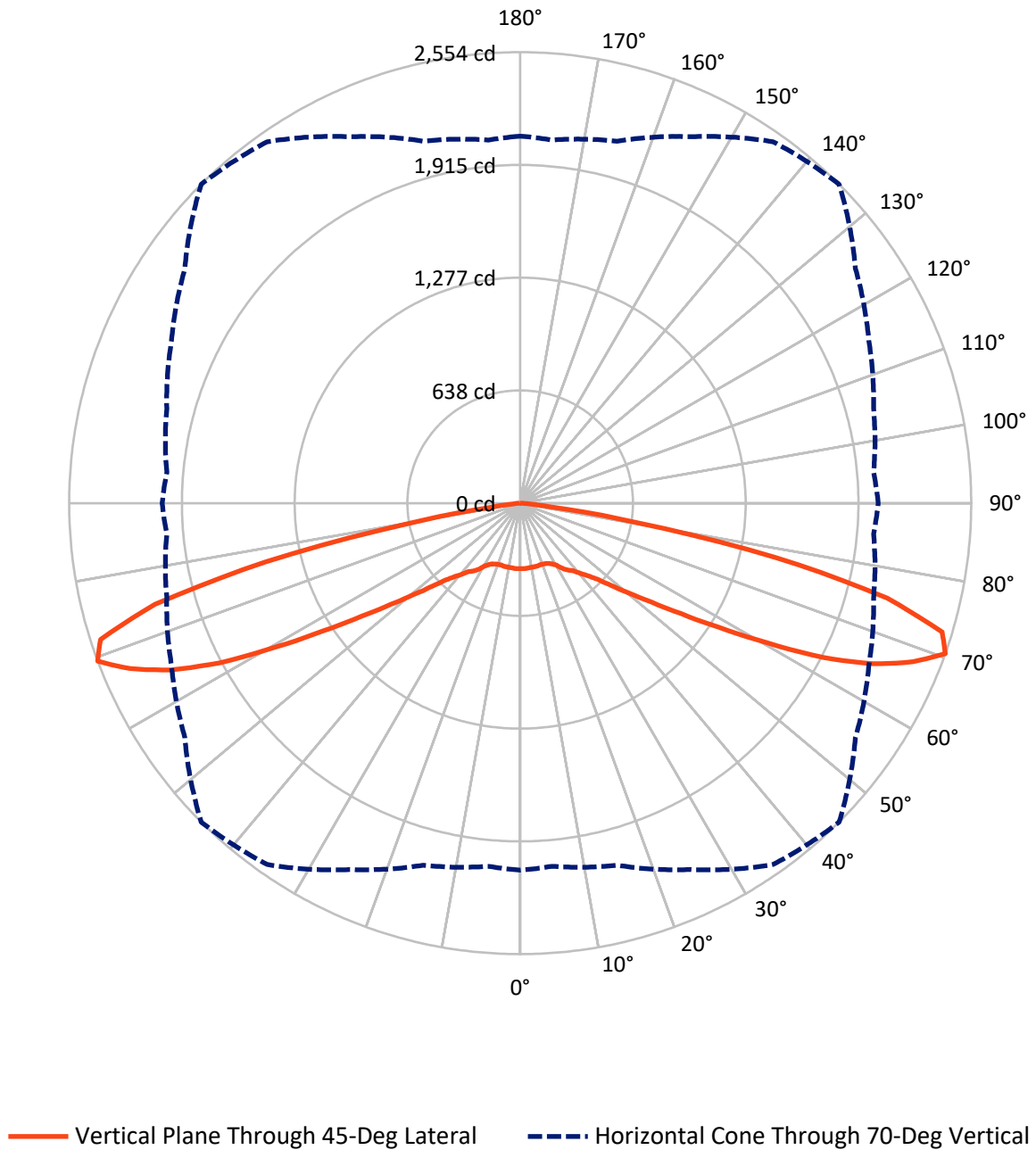


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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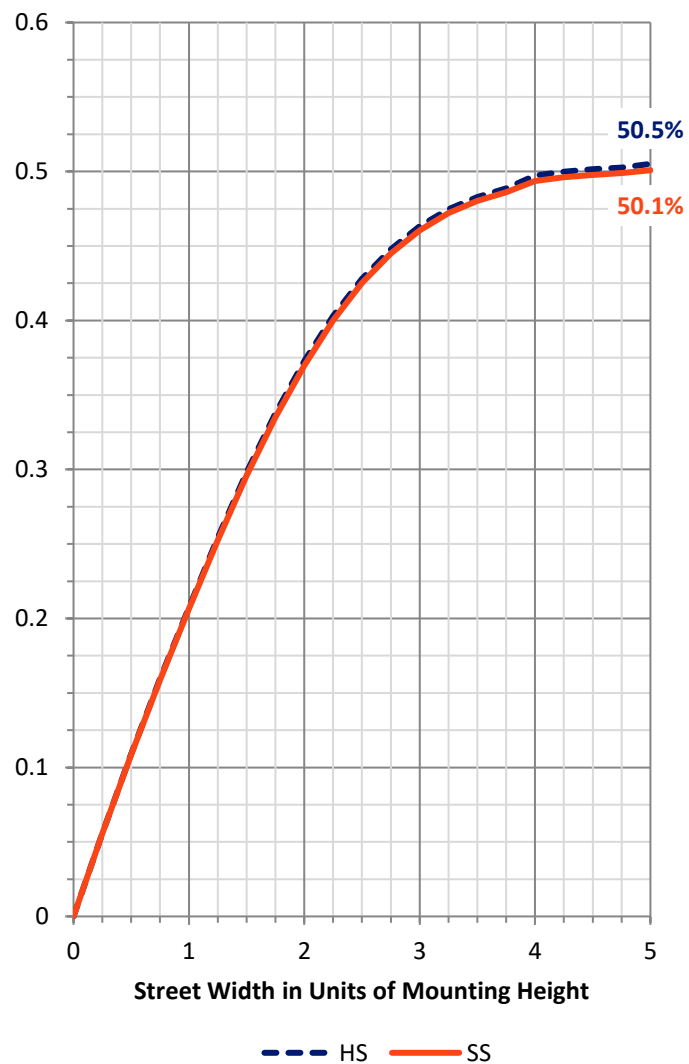
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2763.5	0.0	2763.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2763.5	0.0	2763.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5527.0	0.0	5527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	0.6
10°-20°	105.4	1.9
20°-30°	180.2	3.3
30°-40°	290.8	5.3
40°-50°	500.6	9.1
50°-60°	989.4	17.9
60°-70°	1918.5	34.7
70°-80°	1439.7	26.0
80°-90°	67.0	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°	5527.0	100.0
0°-180°	5527.0	100.0

Coefficient of Utilization



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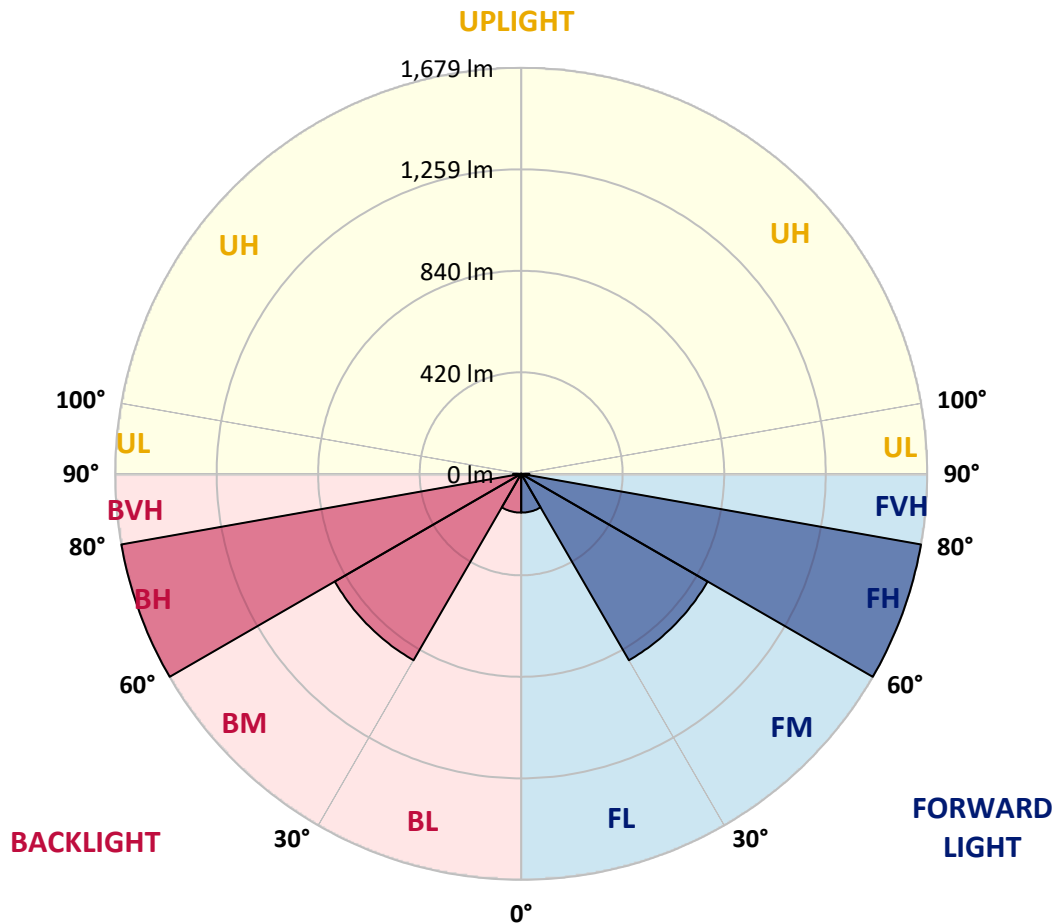
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.5	2.9			
FM	(30°-60°)	890.4	16.1			
FH	(60°-80°)	1679.1	30.4			G1/1800
FVH	(80°-90°)	33.5	0.6			G1/100
BL	(0°-30°)	160.5	2.9	B1/500		
BM	(30°-60°)	890.4	16.1	B1/1000		
BH	(60°-80°)	1679.1	30.4	B3/2500		G1/1800
BVH	(80°-90°)	33.5	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°	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1	371.1
2.5°	373.4	373.4	371.1	371.1	371.1	371.1	371.1	371.1	371.1	373.4	371.1
5°	373.4	373.4	371.1	373.4	371.1	371.1	371.1	371.1	371.1	371.1	373.4
7.5°	375.7	373.4	371.1	371.1	371.1	368.8	368.8	371.1	368.8	371.1	371.1
10°	373.4	373.4	371.1	371.1	368.8	368.8	368.8	371.1	371.1	373.4	373.4
12.5°	375.7	375.7	371.1	368.8	368.8	368.8	368.8	371.1	373.4	375.7	375.7
15°	378.0	375.7	373.4	368.8	366.4	368.8	366.4	371.1	373.4	378.0	378.0
17.5°	380.4	378.0	373.4	368.8	366.4	366.4	368.8	368.8	373.4	380.4	380.4
20°	382.7	380.4	375.7	368.8	366.4	368.8	366.4	371.1	375.7	382.7	382.7
22.5°	387.3	387.3	378.0	373.4	371.1	371.1	373.4	373.4	378.0	385.0	387.3
25°	394.3	394.3	385.0	382.7	380.4	378.0	378.0	380.4	382.7	391.9	391.9
27.5°	410.5	410.5	401.2	394.3	391.9	389.6	389.6	391.9	396.6	405.9	408.2
30°	426.7	424.4	417.5	415.1	415.1	408.2	412.8	415.1	417.5	424.4	426.7
32.5°	438.3	436.0	433.7	433.7	438.3	440.7	438.3	429.1	429.1	436.0	436.0
35°	459.2	456.9	452.2	447.6	454.6	466.2	452.2	447.6	452.2	454.6	456.9
37.5°	491.7	494.0	487.0	482.4	480.1	484.7	475.4	475.4	487.0	498.6	498.6
40°	526.5	528.8	521.8	519.5	521.8	521.8	517.2	519.5	521.8	531.1	533.4
42.5°	577.5	579.8	570.5	563.6	561.2	561.2	554.3	561.2	570.5	582.1	582.1
45°	647.1	647.1	635.5	626.2	614.6	614.6	612.3	626.2	635.5	651.7	651.7
47.5°	723.6	719.0	714.3	702.7	695.8	698.1	695.8	702.7	716.6	735.2	732.9
50°	816.4	816.4	809.4	800.1	793.2	800.1	793.2	802.4	818.7	832.6	830.3
52.5°	930.0	930.0	934.6	923.0	920.7	930.0	916.1	925.4	934.6	948.6	941.6
55°	1048.3	1055.2	1055.2	1076.1	1073.8	1103.9	1073.8	1080.8	1080.8	1062.2	1062.2
57.5°	1196.7	1199.0	1222.2	1252.4	1298.8	1324.3	1284.8	1266.3	1215.3	1196.7	1196.7
60°	1361.4	1359.1	1384.6	1470.4	1558.5	1602.6	1546.9	1468.1	1386.9	1352.1	1349.8
62.5°	1586.3	1586.3	1607.2	1711.6	1836.8	1924.9	1811.3	1693.0	1609.5	1567.8	1567.8
65°	1873.9	1873.9	1883.2	2006.1	2143.0	2194.0	2066.4	1950.5	1862.3	1809.0	1811.3
67.5°	2082.7	2078.0	2112.8	2240.4	2391.1	2398.1	2265.9	2138.3	2027.0	1976.0	1980.6
70°	2078.0	2064.1	2122.1	2289.1	2497.8	2553.5	2316.9	2177.7	2071.1	2008.4	2027.0
72.5°	1706.9	1723.2	1841.5	2068.7	2391.1	2497.8	2228.8	2001.5	1795.1	1690.7	1709.3
75°	909.1	932.3	1127.1	1493.6	1962.1	2145.3	1878.6	1486.6	1152.6	992.6	994.9
77.5°	278.3	278.3	352.5	665.6	1199.0	1477.3	1210.6	728.2	438.3	317.7	313.1
80°	83.5	85.8	106.7	157.7	378.0	670.3	484.7	211.0	120.6	97.4	99.7
82.5°	34.8	39.4	48.7	51.0	102.0	164.7	118.3	74.2	60.3	48.7	44.1
85°	16.2	16.2	25.5	27.8	34.8	34.8	37.1	39.4	37.1	25.5	23.2
87.5°	4.6	4.6	7.0	7.0	9.3	7.0	11.6	13.9	13.9	7.0	7.0
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)