

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: P534617

Luminaire Tested: **GALN-SA8A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534617
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-SA8A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8124 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 158.1
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

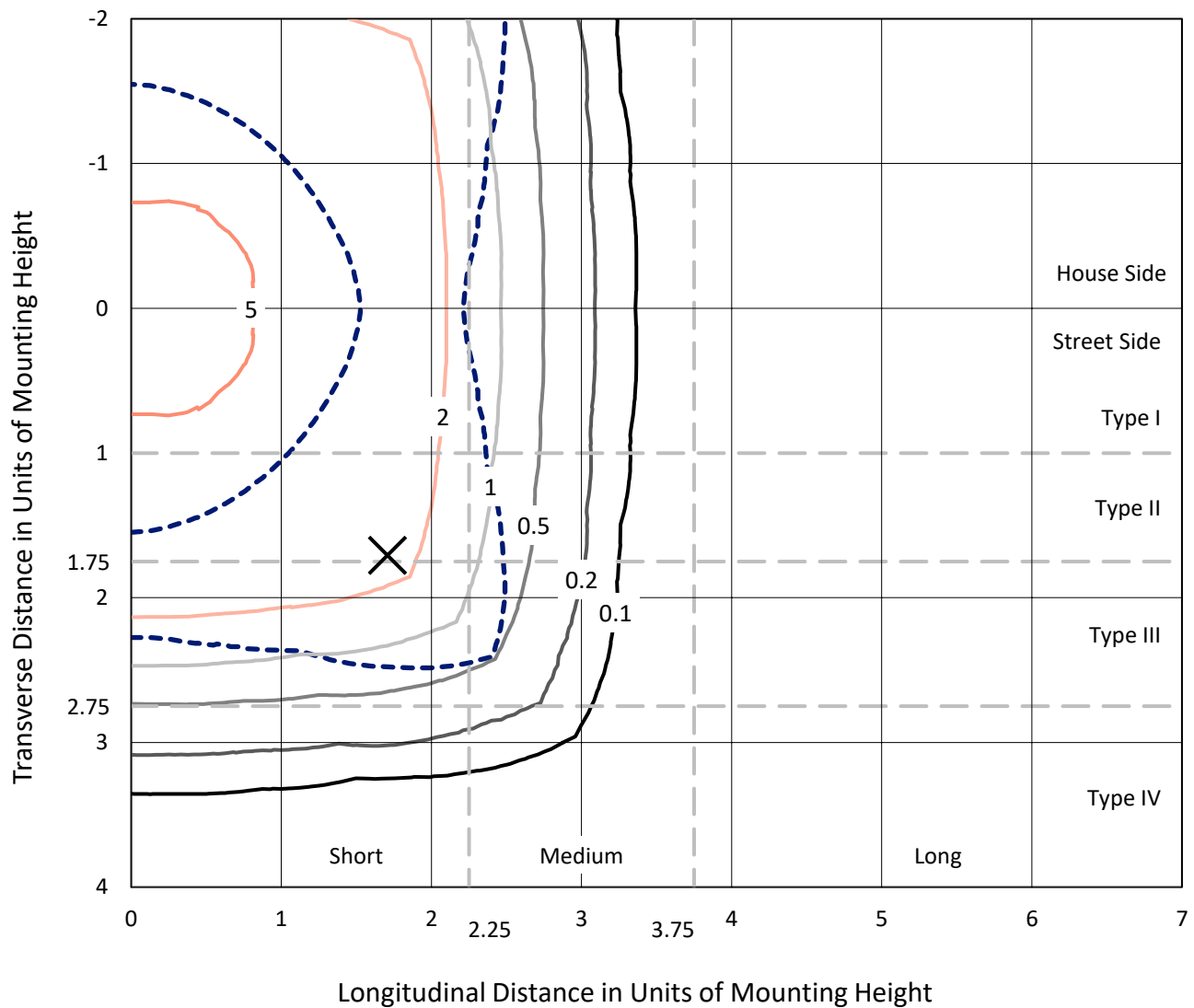


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

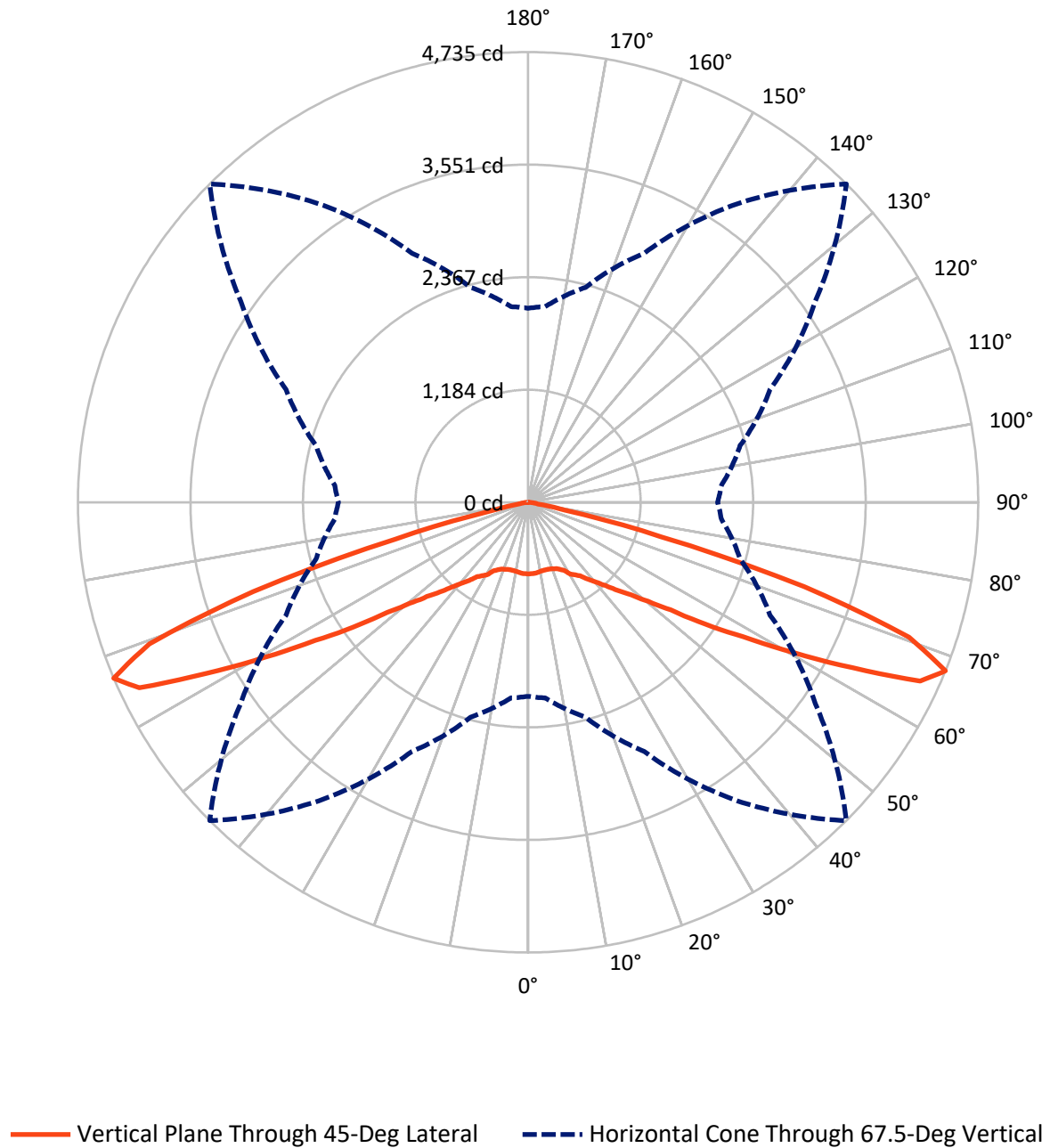


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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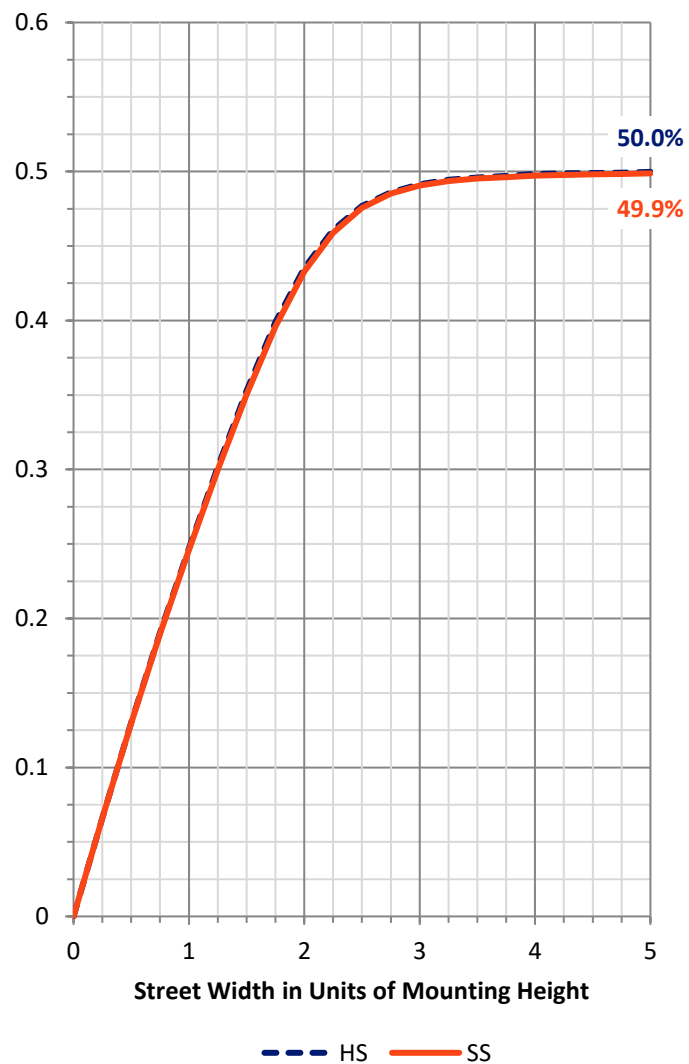
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4062.0	0.0	4062.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4062.0	0.0	4062.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8124.0	0.0	8124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	0.9
10°-20°	207.1	2.5
20°-30°	361.2	4.4
30°-40°	604.5	7.4
40°-50°	1047.8	12.9
50°-60°	2006.3	24.7
60°-70°	2970.6	36.6
70°-80°	816.6	10.1
80°-90°	38.6	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°	8124.0	100.0
0°-180°	8124.0	100.0

Coefficient of Utilization



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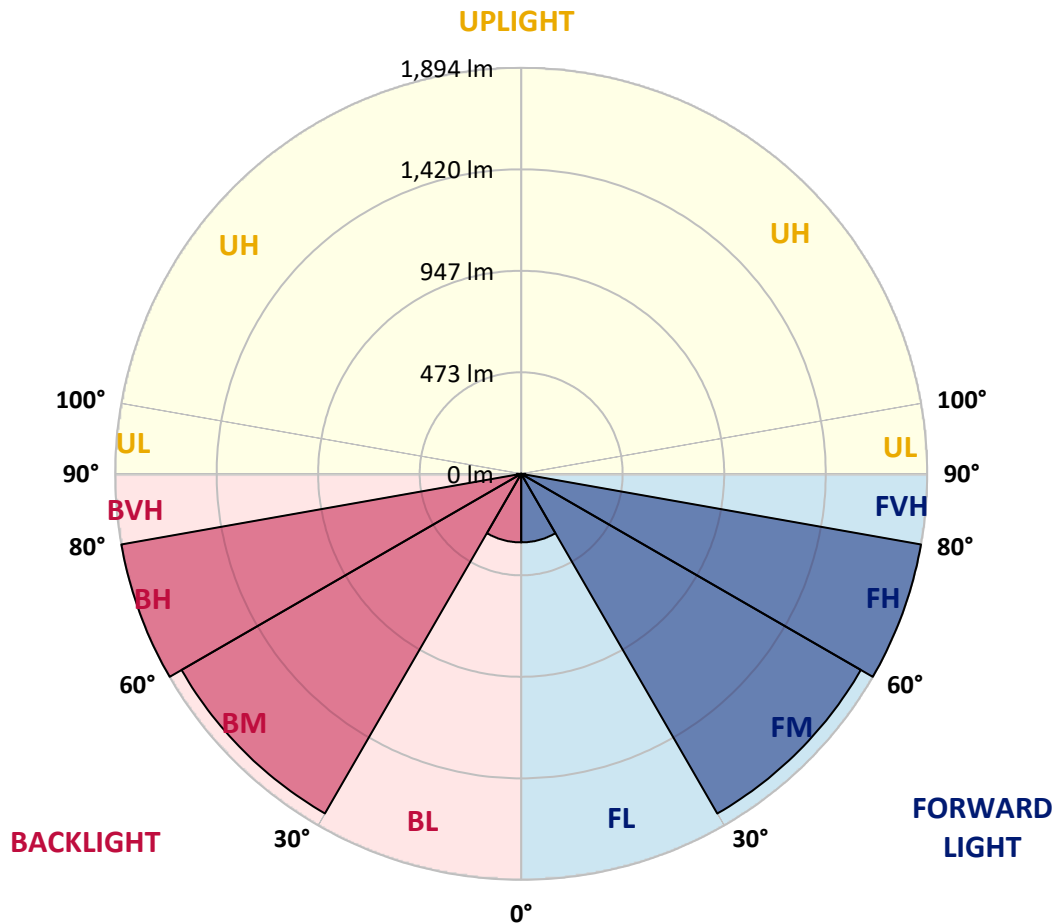
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.8	3.9			
FM	(30°-60°)	1829.3	22.5			
FH	(60°-80°)	1893.6	23.3			G2/5000
FVH	(80°-90°)	19.3	0.2			G1/100
BL	(0°-30°)	319.8	3.9	B1/500		
BM	(30°-60°)	1829.3	22.5	B2/2500		
BH	(60°-80°)	1893.6	23.3	B3/2500		G2/5000
BVH	(80°-90°)	19.3	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	754.0	754.0	754.0	754.0	754.0	754.0	754.0	754.0	754.0	754.0	754.0
2.5°	757.4	757.4	750.6	754.0	754.0	750.6	754.0	754.0	754.0	754.0	754.0
5°	757.4	757.4	754.0	754.0	750.6	750.6	747.2	750.6	747.2	750.6	750.6
7.5°	757.4	747.2	750.6	747.2	743.8	743.8	743.8	740.4	743.8	740.4	740.4
10°	740.4	743.8	740.4	740.4	740.4	737.0	737.0	737.0	733.6	733.6	733.6
12.5°	733.6	733.6	730.2	733.6	737.0	733.6	730.2	726.8	726.8	730.2	726.8
15°	723.4	726.8	726.8	726.8	737.0	733.6	730.2	726.8	726.8	723.4	723.4
17.5°	723.4	720.0	723.4	726.8	737.0	737.0	733.6	726.8	723.4	723.4	720.0
20°	716.6	720.0	726.8	737.0	740.4	747.2	743.8	737.0	730.2	730.2	723.4
22.5°	726.8	726.8	737.0	740.4	754.0	757.4	754.0	754.0	743.8	740.4	737.0
25°	750.6	750.6	757.4	771.0	777.8	781.2	774.4	777.8	764.2	767.6	764.2
27.5°	777.8	781.2	791.4	805.0	815.1	811.7	818.5	808.4	798.2	791.4	791.4
30°	821.9	825.3	835.5	849.1	866.1	876.3	869.5	845.7	838.9	832.1	828.7
32.5°	872.9	869.5	879.7	900.1	917.0	910.2	906.8	900.1	889.9	886.5	883.1
35°	927.2	917.0	934.0	954.4	961.2	951.0	954.4	961.2	944.2	940.8	934.0
37.5°	981.6	981.6	998.6	1015.5	1025.7	1029.1	1025.7	1029.1	1018.9	1008.7	1008.7
40°	1063.1	1059.7	1080.1	1093.7	1107.2	1103.8	1107.2	1117.4	1110.6	1103.8	1097.1
42.5°	1165.0	1154.8	1182.0	1195.5	1205.7	1198.9	1212.5	1226.1	1222.7	1212.5	1205.7
45°	1270.3	1277.1	1300.8	1321.2	1321.2	1321.2	1341.6	1355.2	1348.4	1348.4	1334.8
47.5°	1409.5	1423.1	1450.3	1470.7	1477.5	1453.7	1484.2	1521.6	1511.4	1491.0	1477.5
50°	1586.1	1575.9	1623.5	1660.9	1654.1	1637.1	1691.4	1722.0	1708.4	1677.8	1671.0
52.5°	1789.9	1789.9	1830.7	1888.4	1902.0	1881.6	1946.2	1986.9	1946.2	1922.4	1912.2
55°	2061.6	2065.0	2099.0	2170.3	2224.7	2262.0	2282.4	2265.4	2217.9	2183.9	2156.7
57.5°	2363.9	2377.5	2459.0	2527.0	2605.1	2666.2	2649.2	2574.5	2472.6	2401.3	2401.3
60°	2730.7	2737.5	2812.3	2954.9	3114.5	3209.6	3043.2	2849.6	2707.0	2618.7	2598.3
62.5°	2812.3	2832.6	3009.2	3311.5	3658.0	3831.2	3471.2	3121.3	2870.0	2717.2	2707.0
65°	2615.3	2622.1	2870.0	3314.9	3980.6	4530.9	3780.2	3162.1	2717.2	2482.8	2455.6
67.5°	2041.3	2065.0	2340.1	2890.4	3831.2	4734.6	3688.5	2808.9	2309.6	2041.3	1993.7
70°	1192.2	1229.5	1426.5	1953.0	3117.9	4252.3	3039.8	2024.3	1487.6	1263.5	1243.1
72.5°	560.4	574.0	692.9	1018.9	1963.1	3039.8	1990.3	1093.7	689.5	584.2	557.0
75°	190.2	200.4	224.2	349.8	811.7	1446.9	805.0	349.8	231.0	217.4	210.6
77.5°	112.1	108.7	112.1	118.9	207.2	390.6	217.4	132.5	118.9	122.3	122.3
80°	67.9	67.9	78.1	81.5	88.3	105.3	101.9	95.1	88.3	74.7	74.7
82.5°	34.0	37.4	54.3	57.7	57.7	64.5	67.9	71.3	64.5	40.8	40.8
85°	20.4	17.0	30.6	34.0	34.0	27.2	37.4	44.2	40.8	20.4	23.8
87.5°	3.4	3.4	10.2	10.2	10.2	6.8	10.2	13.6	13.6	6.8	3.4
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)