

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: P534618

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534618
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-SA8A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8093 lumens
Efficiency: N/A
Efficacy: 51.2 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

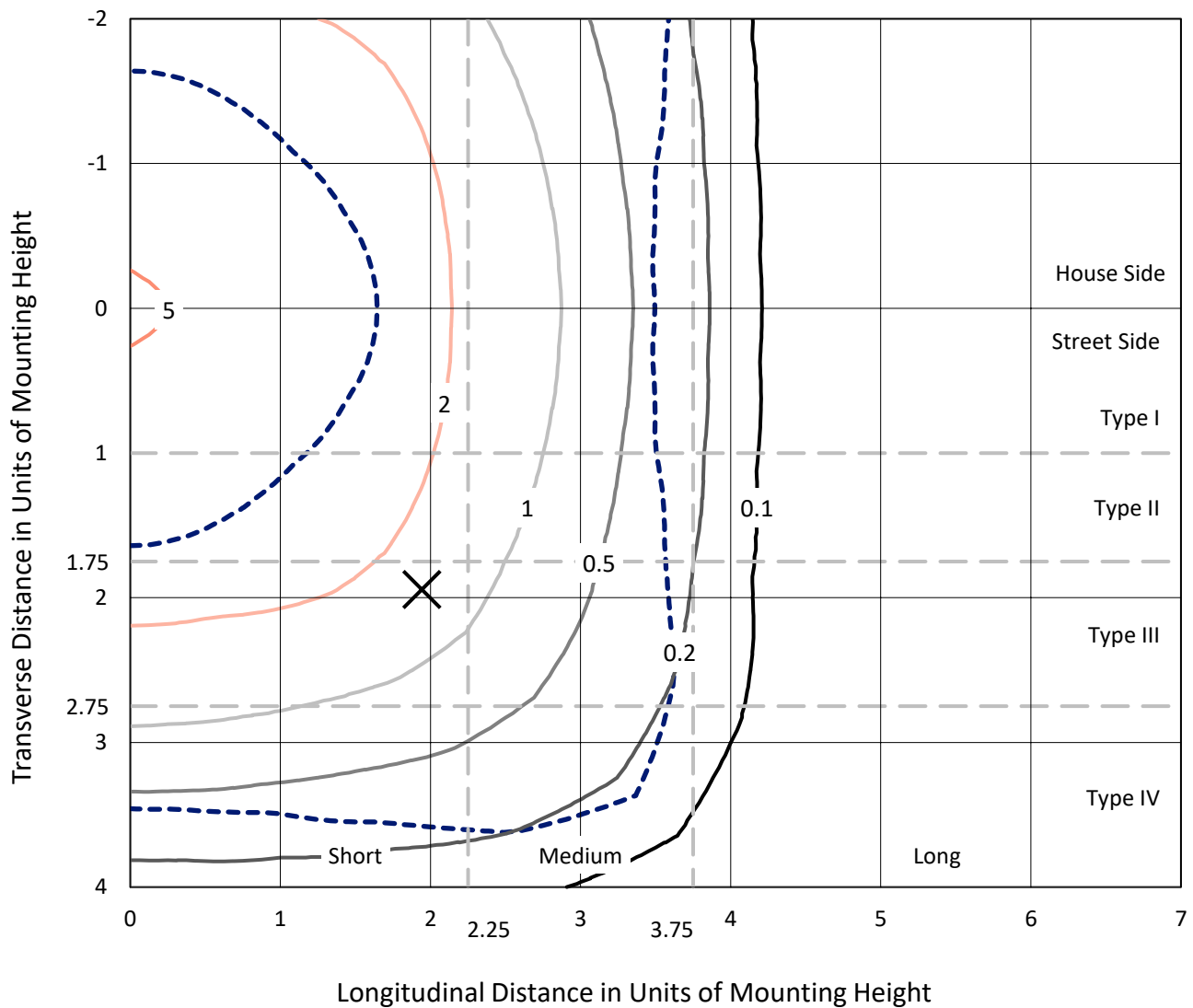


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

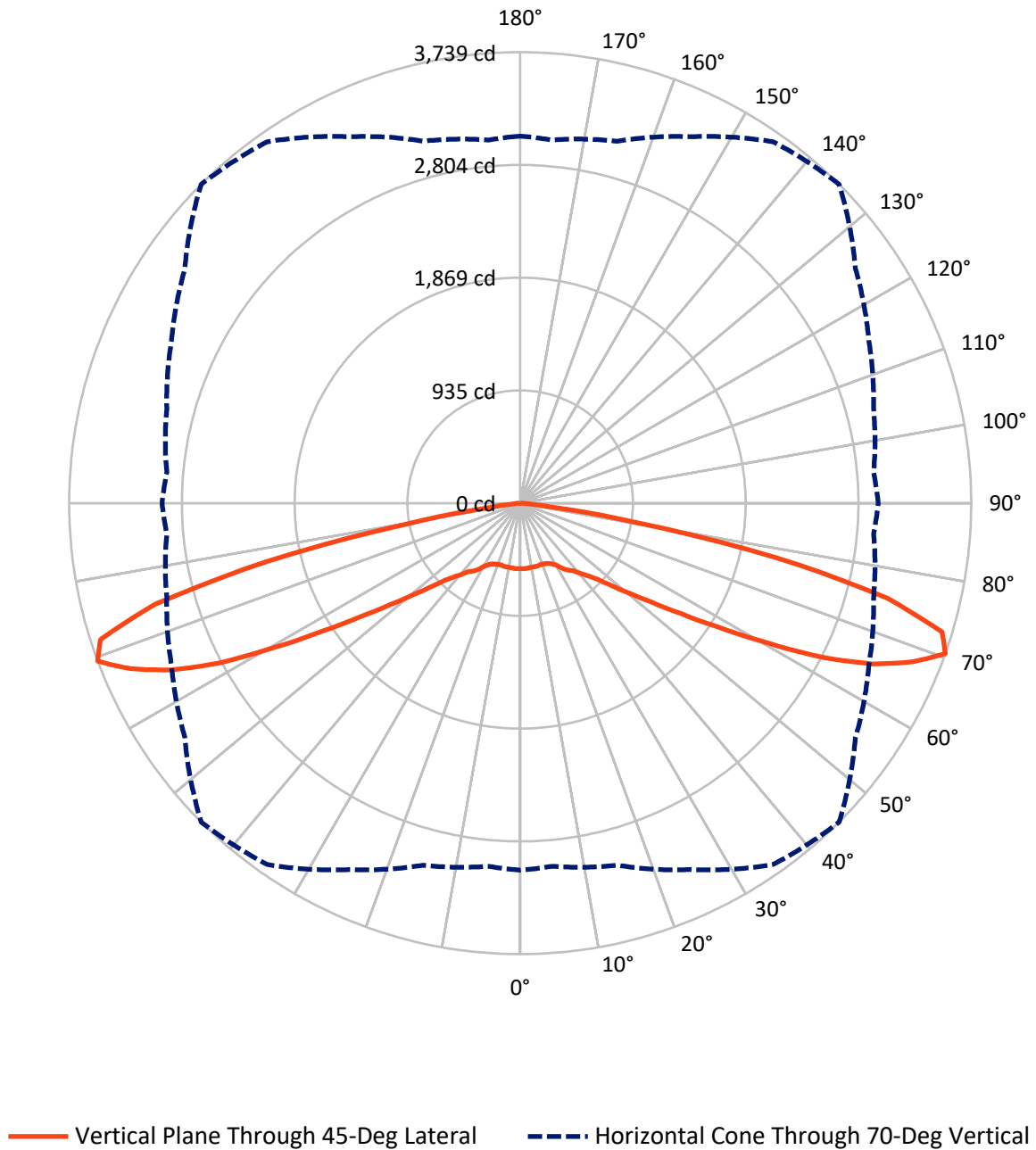


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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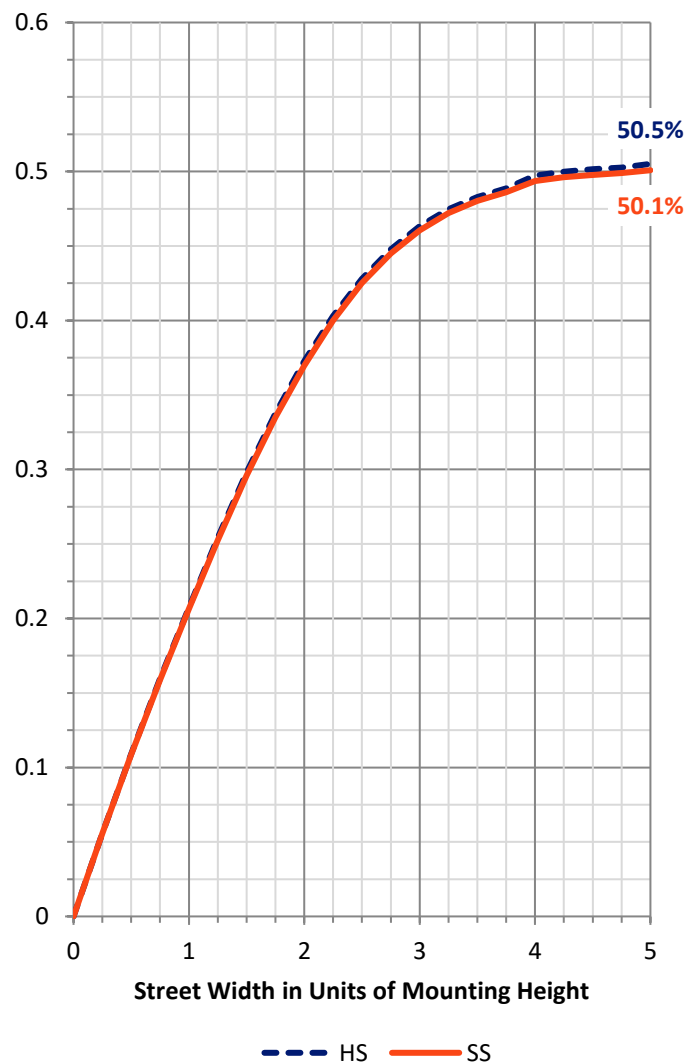
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4046.5	0.0	4046.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4046.5	0.0	4046.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8093.0	0.0	8093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	0.6
10°-20°	154.3	1.9
20°-30°	263.9	3.3
30°-40°	425.8	5.3
40°-50°	733.1	9.1
50°-60°	1448.7	17.9
60°-70°	2809.2	34.7
70°-80°	2108.1	26.0
80°-90°	98.1	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°	8093.0	100.0
0°-180°	8093.0	100.0

Coefficient of Utilization



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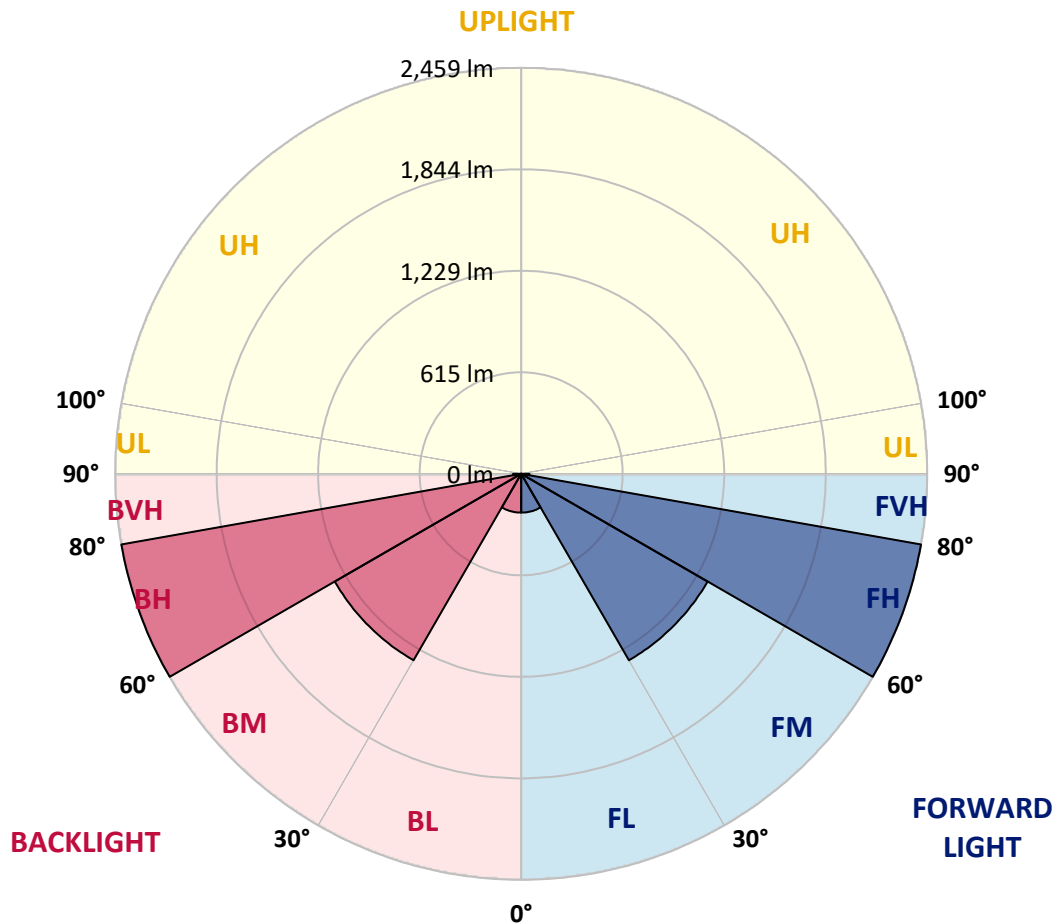
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.0	2.9			
FM	(30°-60°)	1303.8	16.1			
FH	(60°-80°)	2458.7	30.4			G2/5000
FVH	(80°-90°)	49.0	0.6			G1/100
BL	(0°-30°)	235.0	2.9	B1/500		
BM	(30°-60°)	1303.8	16.1	B2/2500		
BH	(60°-80°)	2458.7	30.4	B3/2500		G2/5000
BVH	(80°-90°)	49.0	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4
2.5°	546.7	546.7	543.4	543.4	543.4	543.4	543.4	543.4	543.4	546.7	543.4
5°	546.7	546.7	543.4	546.7	543.4	543.4	543.4	543.4	543.4	543.4	546.7
7.5°	550.1	546.7	543.4	543.4	543.4	540.0	540.0	543.4	540.0	543.4	543.4
10°	546.7	546.7	543.4	543.4	540.0	540.0	540.0	543.4	543.4	546.7	546.7
12.5°	550.1	550.1	543.4	540.0	540.0	540.0	540.0	543.4	546.7	550.1	550.1
15°	553.5	550.1	546.7	540.0	536.6	540.0	536.6	543.4	546.7	553.5	553.5
17.5°	556.9	553.5	546.7	540.0	536.6	540.0	540.0	540.0	546.7	556.9	556.9
20°	560.3	556.9	550.1	540.0	536.6	540.0	536.6	543.4	550.1	560.3	560.3
22.5°	567.1	567.1	553.5	546.7	543.4	546.7	546.7	546.7	553.5	563.7	567.1
25°	577.3	577.3	563.7	560.3	556.9	553.5	553.5	556.9	560.3	573.9	573.9
27.5°	601.1	601.1	587.5	577.3	573.9	570.5	570.5	573.9	580.7	594.3	597.7
30°	624.9	621.5	611.3	607.9	607.9	597.7	604.5	607.9	611.3	621.5	624.9
32.5°	641.8	638.4	635.0	635.0	641.8	645.2	641.8	628.2	628.2	638.4	638.4
35°	672.4	669.0	662.2	655.4	665.6	682.6	662.2	655.4	662.2	665.6	669.0
37.5°	719.9	723.3	713.1	706.4	703.0	709.8	696.2	696.2	713.1	730.1	730.1
40°	770.9	774.3	764.1	760.7	764.1	764.1	757.3	760.7	764.1	777.7	781.1
42.5°	845.6	849.0	835.4	825.2	821.8	821.8	811.6	821.8	835.4	852.4	852.4
45°	947.5	947.5	930.5	916.9	899.9	899.9	896.5	916.9	930.5	954.3	954.3
47.5°	1059.5	1052.7	1046.0	1029.0	1018.8	1022.2	1018.8	1029.0	1049.3	1076.5	1073.1
50°	1195.4	1195.4	1185.2	1171.6	1161.4	1171.6	1161.4	1175.0	1198.8	1219.1	1215.7
52.5°	1361.8	1361.8	1368.6	1351.6	1348.2	1361.8	1341.4	1355.0	1368.6	1388.9	1378.8
55°	1535.0	1545.2	1545.2	1575.7	1572.3	1616.5	1572.3	1582.5	1582.5	1555.3	1555.3
57.5°	1752.3	1755.7	1789.7	1833.8	1901.7	1939.1	1881.4	1854.2	1779.5	1752.3	1752.3
60°	1993.4	1990.0	2027.4	2153.0	2282.1	2346.6	2265.1	2149.6	2030.8	1979.8	1976.4
62.5°	2322.8	2322.8	2353.4	2506.2	2689.6	2818.6	2652.2	2479.0	2356.8	2295.7	2295.7
65°	2743.9	2743.9	2757.5	2937.5	3137.9	3212.6	3025.8	2856.0	2726.9	2648.8	2652.2
67.5°	3049.6	3042.8	3093.7	3280.5	3501.2	3511.4	3317.8	3131.1	2968.1	2893.3	2900.1
70°	3042.8	3022.4	3107.3	3351.8	3657.4	3738.9	3392.5	3188.8	3032.6	2940.9	2968.1
72.5°	2499.4	2523.2	2696.4	3029.2	3501.2	3657.4	3263.5	2930.7	2628.5	2475.6	2502.8
75°	1331.2	1365.2	1650.4	2187.0	2873.0	3141.2	2750.7	2176.8	1687.8	1453.5	1456.9
77.5°	407.5	407.5	516.2	974.6	1755.7	2163.2	1772.7	1066.3	641.8	465.2	458.5
80°	122.3	125.6	156.2	230.9	553.5	981.4	709.8	309.0	176.6	142.6	146.0
82.5°	50.9	57.7	71.3	74.7	149.4	241.1	173.2	108.7	88.3	71.3	64.5
85°	23.8	23.8	37.4	40.8	50.9	50.9	54.3	57.7	54.3	37.4	34.0
87.5°	6.8	6.8	10.2	10.2	13.6	10.2	17.0	20.4	20.4	10.2	10.2
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)