

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: P533819

Luminaire Tested: **GALN-SA9B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31055 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

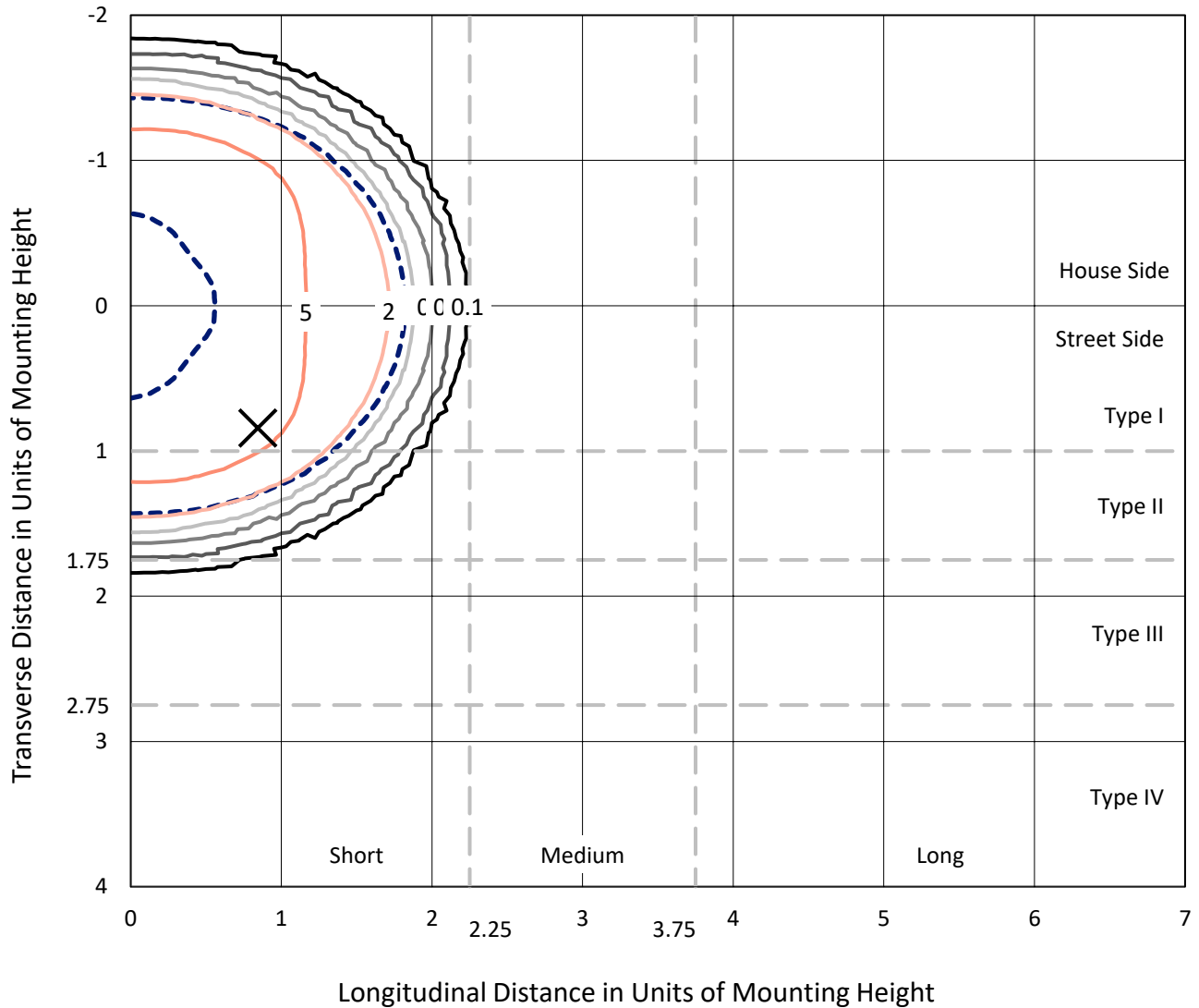
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533819
 CATALOG NUMBER: GALN-SA9B-735-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

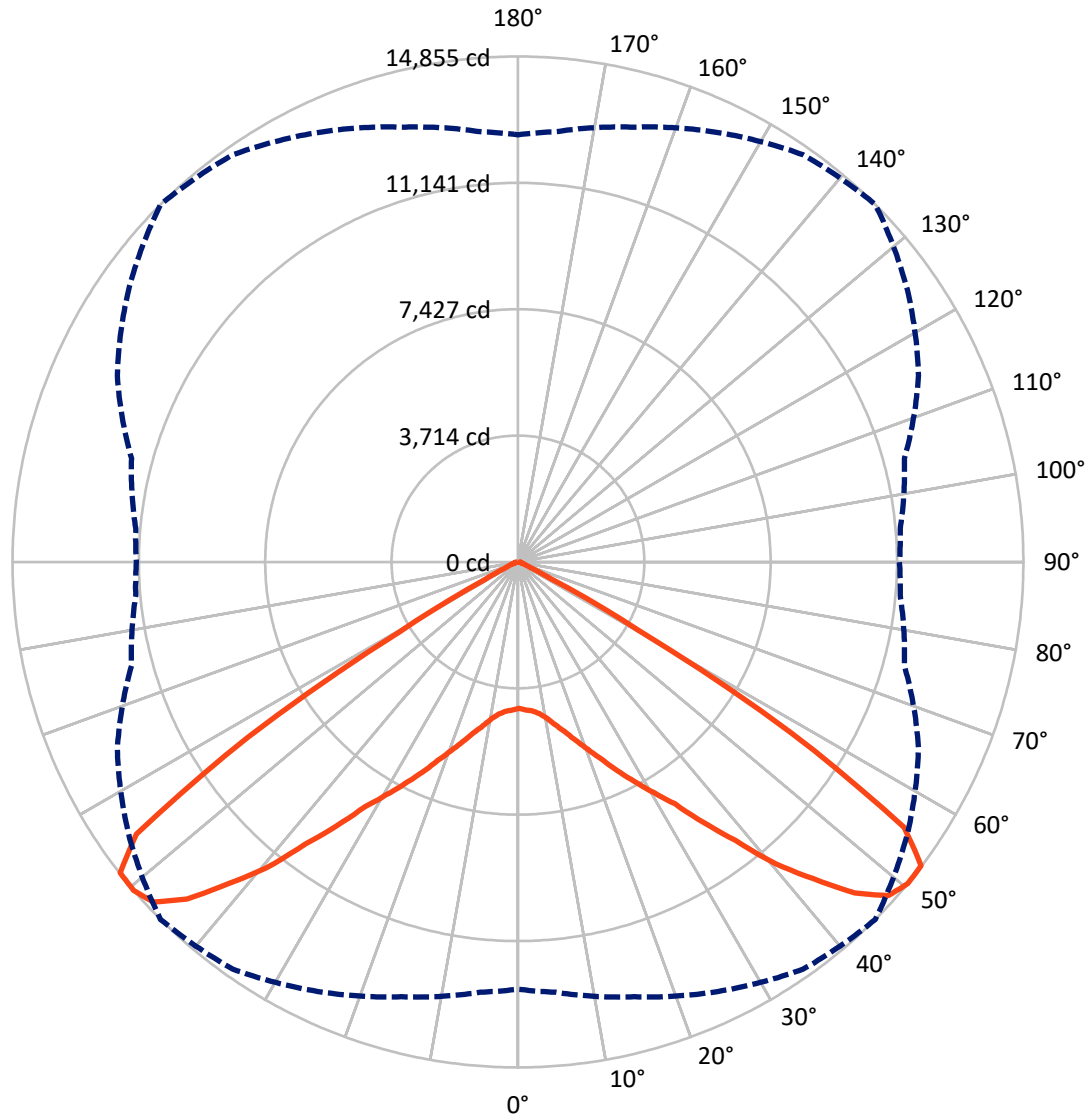
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

REPORT NUMBER: P533819
CATALOG NUMBER: GALN-SA9B-735-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P533819
 CATALOG NUMBER: GALN-SA9B-735-U-RW-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15527.5	0.0	15527.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15527.5	0.0	15527.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31055.0	0.0	31055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.3	1.4
10°-20°	1476.3	4.8
20°-30°	3015.1	9.7
30°-40°	5749.8	18.5
40°-50°	9689.2	31.2
50°-60°	9240.4	29.8
60°-70°	1289.9	4.2
70°-80°	123.4	0.4
80°-90°	42.6	0.1
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°	31055.0	100.0
0°-180°	31055.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533819

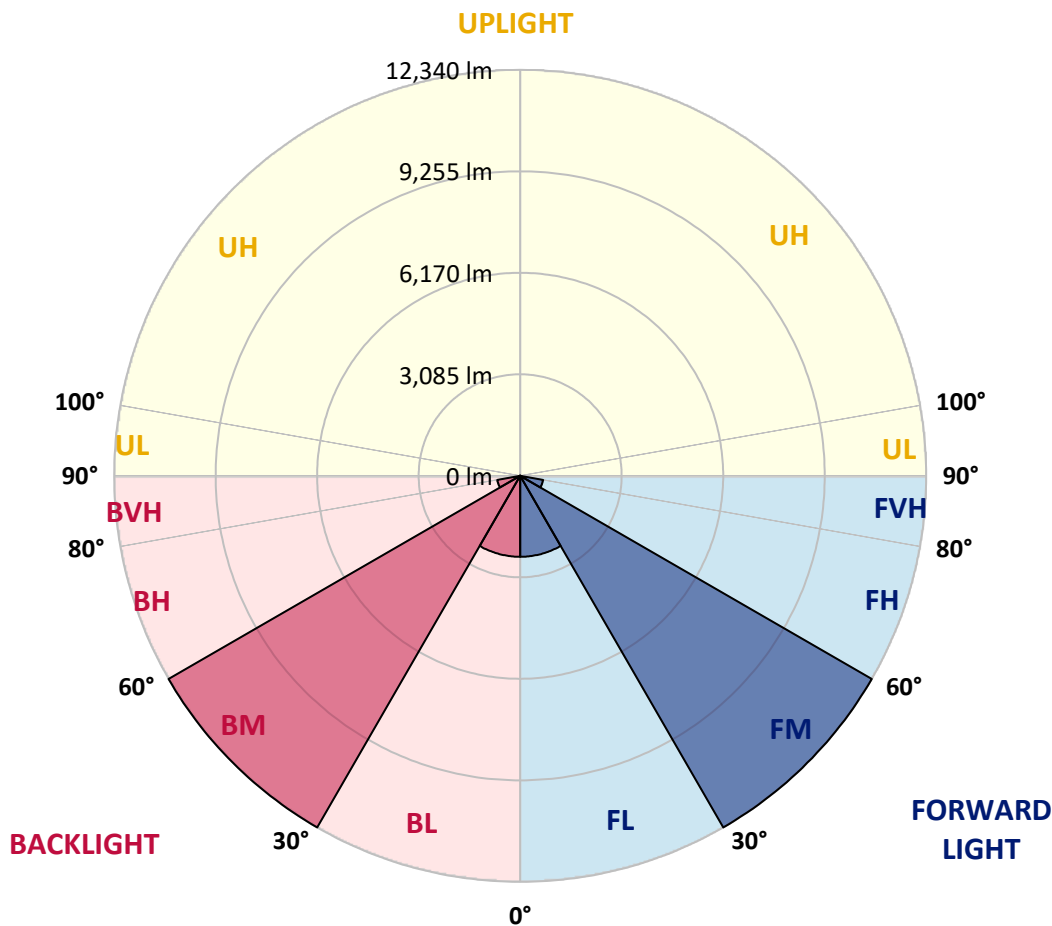
CATALOG NUMBER: GALN-SA9B-735-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2459.8	7.9			
FM (30°-60°)	12339.7	39.7			
FH (60°-80°)	706.6	2.3			G1/1800
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	2459.8	7.9	B3/2500		
BM (30°-60°)	12339.7	39.7	B5		
BH (60°-80°)	706.6	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P533819

CATALOG NUMBER: GALN-SA9B-735-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4	4305.4
2.5°	4289.8	4289.8	4284.5	4326.3	4305.4	4352.5	4347.2	4362.9	4378.6	4373.4	4415.2
5°	4253.2	4248.0	4248.0	4295.0	4342.0	4394.3	4441.3	4472.6	4524.9	4524.9	4577.1
7.5°	4289.8	4263.6	4300.2	4321.1	4409.9	4498.8	4577.1	4639.8	4760.0	4801.8	4786.1
10°	4300.2	4331.6	4357.7	4420.4	4530.1	4666.0	4733.9	4890.6	5026.5	5120.5	5141.4
12.5°	4368.1	4415.2	4488.3	4639.8	4739.1	4916.8	5010.8	5162.3	5350.4	5454.9	5528.1
15°	4498.8	4514.4	4608.5	4801.8	5016.0	5178.0	5324.3	5434.0	5616.9	5737.1	5742.3
17.5°	4666.0	4733.9	4864.5	5047.4	5272.1	5512.4	5627.4	5747.5	5815.5	5977.4	6014.0
20°	5000.4	5010.8	5136.2	5376.6	5658.7	5878.2	5961.8	6024.5	5998.3	6165.5	6196.9
22.5°	5313.9	5324.3	5481.1	5805.0	6108.1	6296.2	6332.8	6296.2	6217.8	6338.0	6348.4
25°	5632.6	5726.6	5841.6	6165.5	6541.8	6792.6	6797.8	6698.5	6536.5	6557.4	6609.7
27.5°	6129.0	6196.9	6317.1	6614.9	7027.7	7309.8	7262.8	7142.6	6933.6	6949.3	6933.6
30°	6709.0	6771.7	6870.9	7252.4	7555.4	7863.7	7931.6	7816.7	7503.2	7435.2	7513.6
32.5°	7409.1	7497.9	7680.8	8030.9	8286.9	8475.0	8522.0	8480.2	8187.6	8161.5	8213.8
35°	8260.8	8381.0	8548.2	8856.4	9065.4	9405.1	9405.1	9264.0	8997.5	9028.9	9023.6
37.5°	9159.5	9337.1	9598.4	9911.9	10194.1	10376.9	10319.5	10199.3	9932.8	9864.9	9932.8
40°	10288.1	10376.9	10706.1	11113.7	11458.5	11667.5	11421.9	11160.7	10523.2	10622.5	10805.4
42.5°	11317.4	11458.5	11709.3	12158.7	12550.5	12723.0	12430.4	11913.1	11145.0	11066.6	11202.5
45°	12195.2	12346.8	12676.0	13318.6	13731.4	13882.9	13235.0	12399.0	11521.2	11322.7	11380.1
47.5°	12780.5	12858.8	13318.6	13930.0	14306.2	14651.0	13721.0	12733.4	11698.9	11322.7	11301.8
50°	12555.8	12691.6	13229.8	13924.7	14609.2	14854.8	13966.5	12989.5	11756.3	11275.6	11212.9
52.5°	11150.2	11385.4	11986.2	12921.5	13956.1	14833.9	14306.2	12905.9	11735.4	11322.7	11416.7
55°	7759.2	7764.4	8495.9	9875.3	11704.1	13773.2	13809.8	12999.9	11871.3	11615.3	11620.5
57.5°	3119.3	3276.1	3835.2	5219.8	6907.5	9457.3	11244.3	12059.4	11887.0	11824.3	11986.2
60°	789.0	794.2	966.6	1473.5	2429.6	4054.6	5888.6	7968.2	9175.2	9588.0	9645.4
62.5°	402.3	407.6	449.4	522.5	663.6	1086.8	1933.3	3067.1	4362.9	5021.3	5193.7
65°	329.2	329.2	355.3	391.9	397.1	418.0	501.6	715.8	1039.8	1180.9	1196.5
67.5°	250.8	250.8	271.7	292.6	303.1	297.8	287.4	297.8	360.5	344.9	334.4
70°	156.8	162.0	172.4	193.3	203.8	209.0	214.2	224.7	256.0	266.5	256.0
72.5°	94.1	94.1	99.3	115.0	130.6	141.1	156.8	167.2	182.9	209.0	203.8
75°	41.8	41.8	52.3	67.9	83.6	99.3	115.0	130.6	141.1	156.8	162.0
77.5°	10.5	15.7	26.1	47.0	62.7	83.6	104.5	120.2	130.6	130.6	125.4
80°	5.2	5.2	20.9	36.6	67.9	88.8	115.0	125.4	141.1	130.6	115.0
82.5°	5.2	5.2	20.9	36.6	62.7	88.8	120.2	135.9	146.3	130.6	109.7
85°	0.0	5.2	15.7	31.4	52.3	62.7	52.3	36.6	20.9	20.9	15.7
87.5°	0.0	0.0	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)