

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: P647596

Luminaire Tested: **GALN-SA8D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647596  
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-SA8D-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 1200mA 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: 31609.7 lumens  
Efficiency: N/A  
Efficacy: 64.1 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

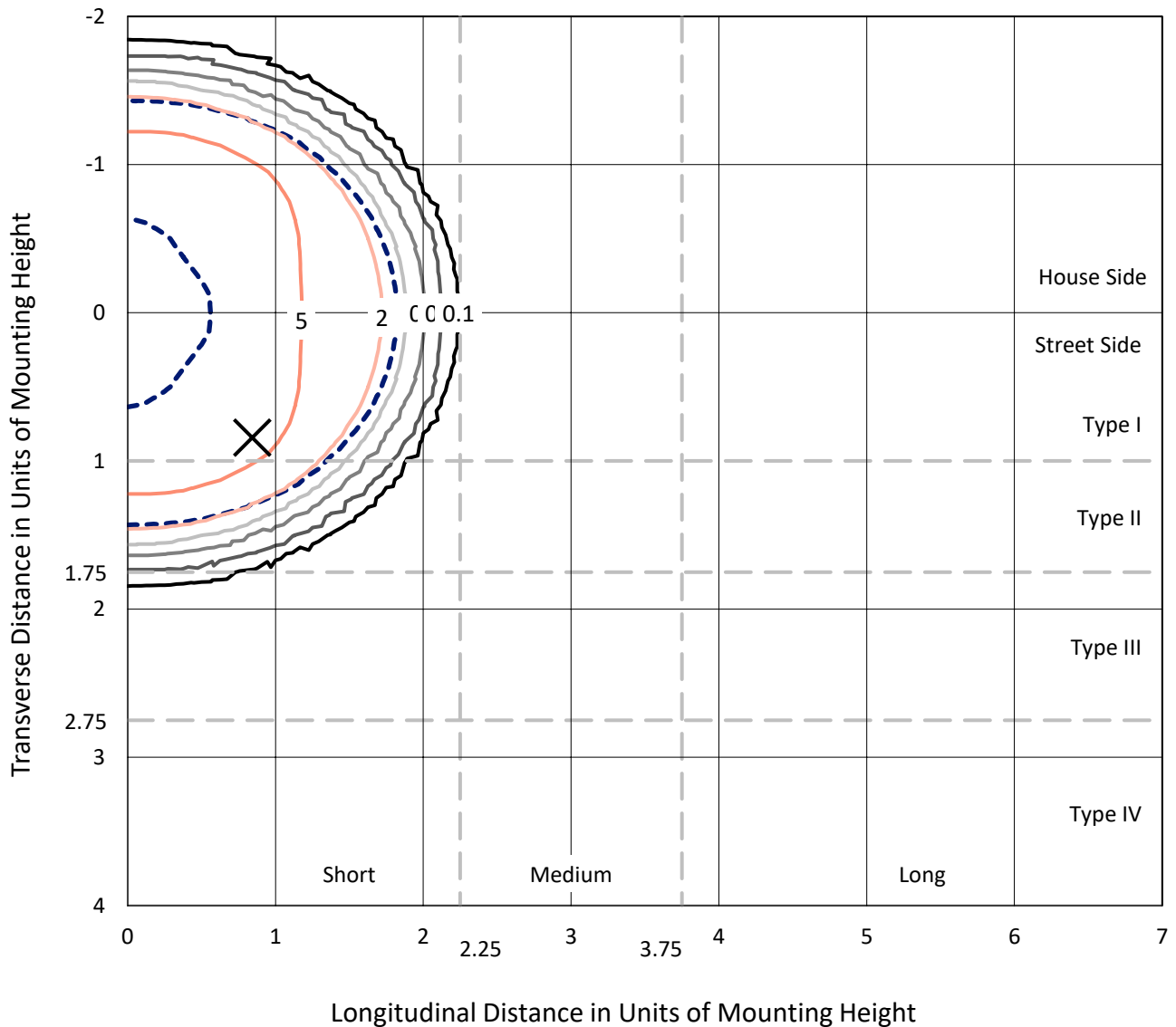
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P647596  
 CATALOG NUMBER: GALN-SA8D-835-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

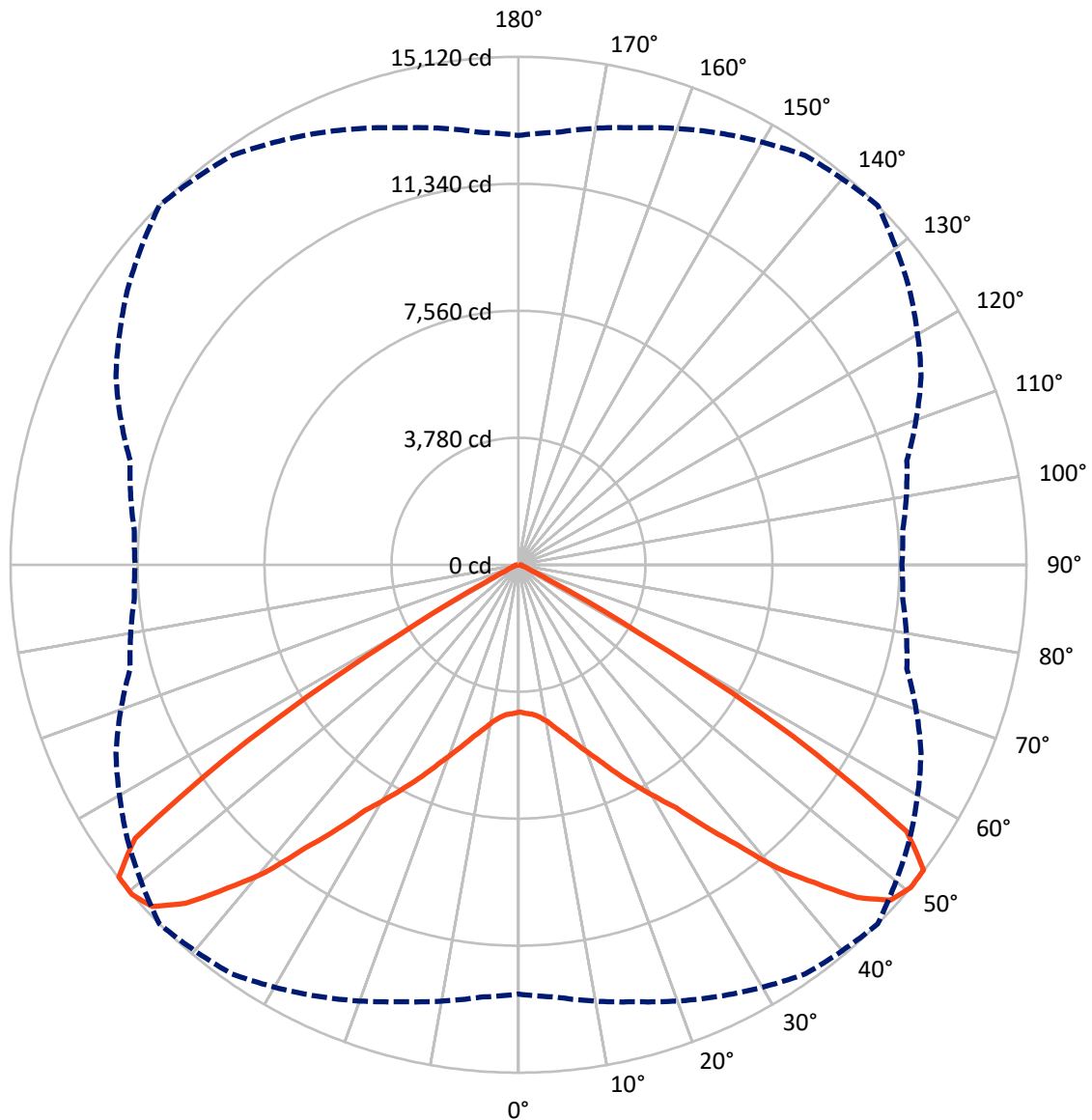
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P647596  
CATALOG NUMBER: GALN-SA8D-835-U-RW-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P647596  
 CATALOG NUMBER: GALN-SA8D-835-U-RW-GRSBK

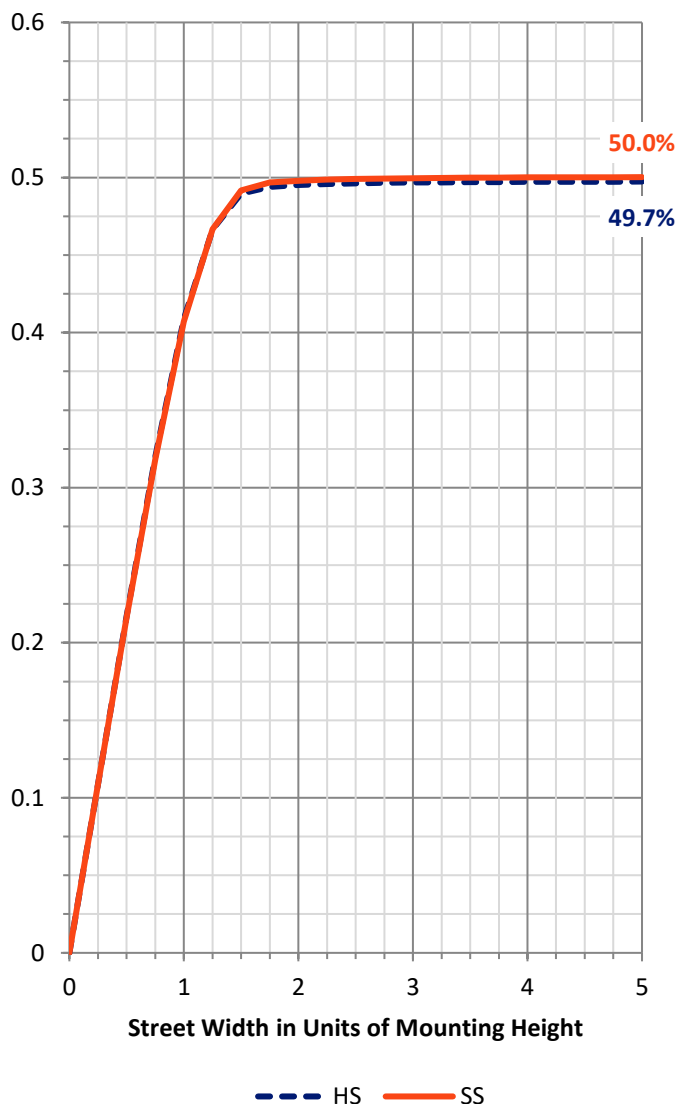
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15804.9	0.0	15804.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15804.9	0.0	15804.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31609.7	0.0	31609.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.0	1.4
10°-20°	1502.6	4.8
20°-30°	3069.0	9.7
30°-40°	5852.5	18.5
40°-50°	9862.3	31.2
50°-60°	9405.5	29.8
60°-70°	1313.0	4.2
70°-80°	125.6	0.4
80°-90°	43.4	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°	31609.7	100.0
0°-180°	31609.7	100.0

**Coefficient of Utilization**

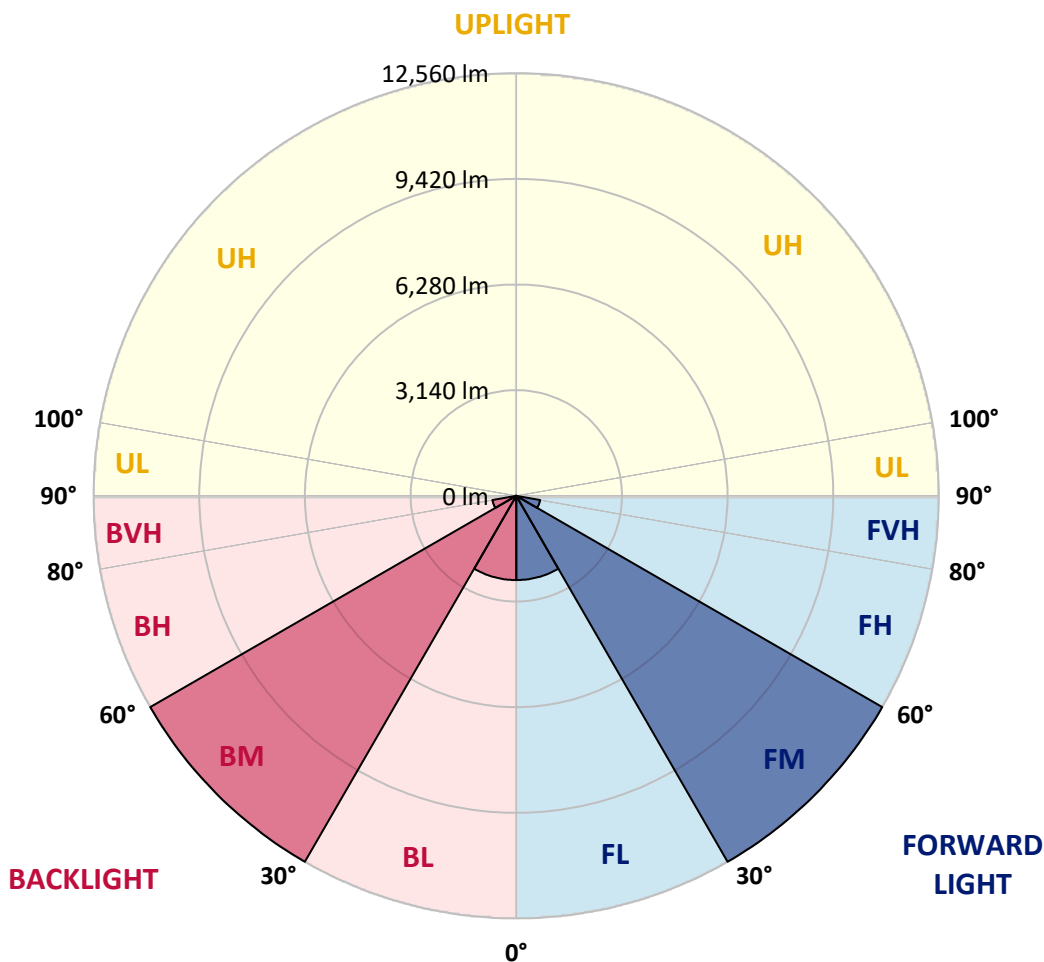


REPORT NUMBER: P647596  
 CATALOG NUMBER: GALN-SA8D-835-U-RW-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2503.8	7.9			
FM (30°-60°)	12560.1	39.7			
FH (60°-80°)	719.3	2.3			G1/1800
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	2503.8	7.9	B4/5000		
BM (30°-60°)	12560.1	39.7	B5		
BH (60°-80°)	719.3	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.7	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: P647596

CATALOG NUMBER: GALN-SA8D-835-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4	4382.4
2.5°	4366.4	4366.4	4361.1	4403.6	4382.4	4430.2	4424.9	4440.9	4456.8	4451.5	4494.0
5°	4329.1	4323.8	4323.8	4371.7	4419.6	4472.7	4520.7	4552.5	4605.7	4605.7	4658.9
7.5°	4366.4	4339.8	4377.0	4398.3	4488.7	4579.1	4658.9	4722.7	4845.0	4887.6	4871.6
10°	4377.0	4408.9	4435.5	4499.4	4611.0	4749.3	4818.4	4978.0	5116.3	5212.0	5233.3
12.5°	4446.2	4494.0	4568.5	4722.7	4823.7	5004.6	5100.3	5254.6	5446.0	5552.4	5626.9
15°	4579.1	4595.0	4690.8	4887.6	5105.6	5270.5	5419.5	5531.1	5717.2	5839.5	5844.9
17.5°	4749.3	4818.4	4951.4	5137.6	5366.2	5610.9	5727.9	5850.2	5919.3	6084.2	6121.4
20°	5089.7	5100.3	5227.9	5472.6	5759.8	5983.1	6068.2	6132.1	6105.5	6275.7	6307.6
22.5°	5408.8	5419.5	5579.0	5908.7	6217.2	6408.6	6445.9	6408.6	6328.8	6451.2	6461.8
25°	5733.2	5829.0	5945.9	6275.7	6658.6	6913.9	6919.2	6818.1	6653.3	6674.5	6727.8
27.5°	6238.5	6307.6	6429.9	6733.1	7153.2	7440.4	7392.5	7270.2	7057.5	7073.5	7057.5
30°	6828.8	6892.6	6993.7	7381.9	7690.4	8004.1	8073.3	7956.3	7637.1	7568.0	7647.8
32.5°	7541.5	7631.9	7818.0	8174.4	8434.9	8626.4	8674.2	8631.7	8333.9	8307.3	8360.5
35°	8408.3	8530.7	8700.9	9014.7	9227.3	9573.0	9573.0	9429.5	9158.2	9190.1	9184.8
37.5°	9323.1	9503.9	9769.9	10089.0	10376.2	10562.3	10503.8	10381.5	10110.3	10041.1	10110.3
40°	10471.8	10562.3	10897.3	11312.2	11663.2	11875.9	11626.0	11360.1	10711.2	10812.2	10998.4
42.5°	11519.6	11663.2	11918.4	12375.9	12774.7	12950.3	12652.4	12125.9	11344.1	11264.3	11402.6
45°	12413.1	12567.3	12902.4	13556.5	13976.7	14130.9	13471.4	12620.5	11727.0	11524.9	11583.4
47.5°	13008.8	13088.5	13556.5	14178.8	14561.7	14912.7	13966.1	12960.8	11907.9	11524.9	11503.6
50°	12780.0	12918.3	13466.1	14173.5	14870.2	15120.1	14216.0	13221.5	11966.4	11477.1	11413.2
52.5°	11349.4	11588.7	12200.3	13152.4	14205.3	15098.8	14561.7	13136.4	11945.1	11524.9	11620.7
55°	7897.8	7903.1	8647.7	10051.7	11913.2	14019.2	14056.5	13232.1	12083.3	11822.8	11828.1
57.5°	3175.1	3334.6	3903.6	5313.0	7030.9	9626.3	11445.1	12274.8	12099.3	12035.5	12200.3
60°	803.0	808.4	983.9	1499.8	2473.0	4127.0	5993.8	8110.5	9339.1	9759.2	9817.7
62.5°	409.5	414.8	457.4	531.8	675.4	1106.2	1967.8	3121.9	4440.9	5111.0	5286.4
65°	335.0	335.0	361.7	398.9	404.2	425.5	510.6	728.6	1058.4	1202.0	1217.9
67.5°	255.3	255.3	276.6	297.9	308.5	303.2	292.5	303.2	367.0	351.0	340.4
70°	159.6	164.9	175.5	196.8	207.4	212.7	218.1	228.7	260.6	271.2	260.6
72.5°	95.8	95.8	101.1	117.0	133.0	143.6	159.6	170.2	186.1	212.7	207.4
75°	42.5	42.5	53.2	69.1	85.1	101.1	117.0	133.0	143.6	159.6	164.9
77.5°	10.6	16.0	26.6	47.8	63.8	85.1	106.3	122.3	133.0	133.0	127.6
80°	5.3	5.3	21.3	37.2	69.1	90.4	117.0	127.6	143.6	133.0	117.0
82.5°	5.3	5.3	21.3	37.2	63.8	90.4	122.3	138.3	148.9	133.0	111.7
85°	0.0	5.3	16.0	31.9	53.2	63.8	53.2	37.2	21.3	21.3	16.0
87.5°	0.0	0.0	5.3	5.3	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)