

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: P647651

Luminaire Tested: **GALN-SA9D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647651  
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-SA9D-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 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: 35487.1 lumens  
Efficiency: N/A  
Efficacy: 64.3 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

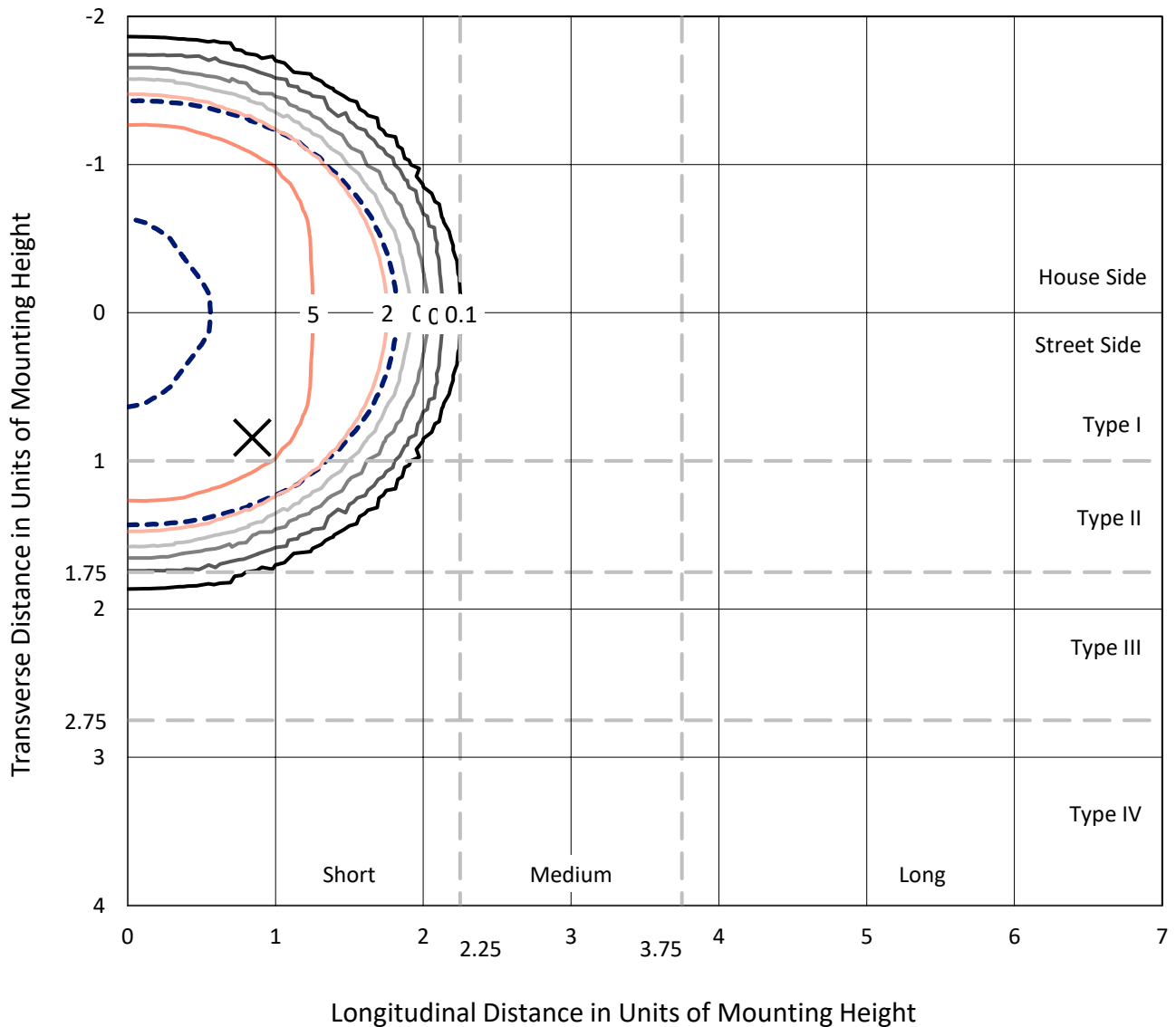
Input Watts (W): 552  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P647651  
 CATALOG NUMBER: GALN-SA9D-835-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

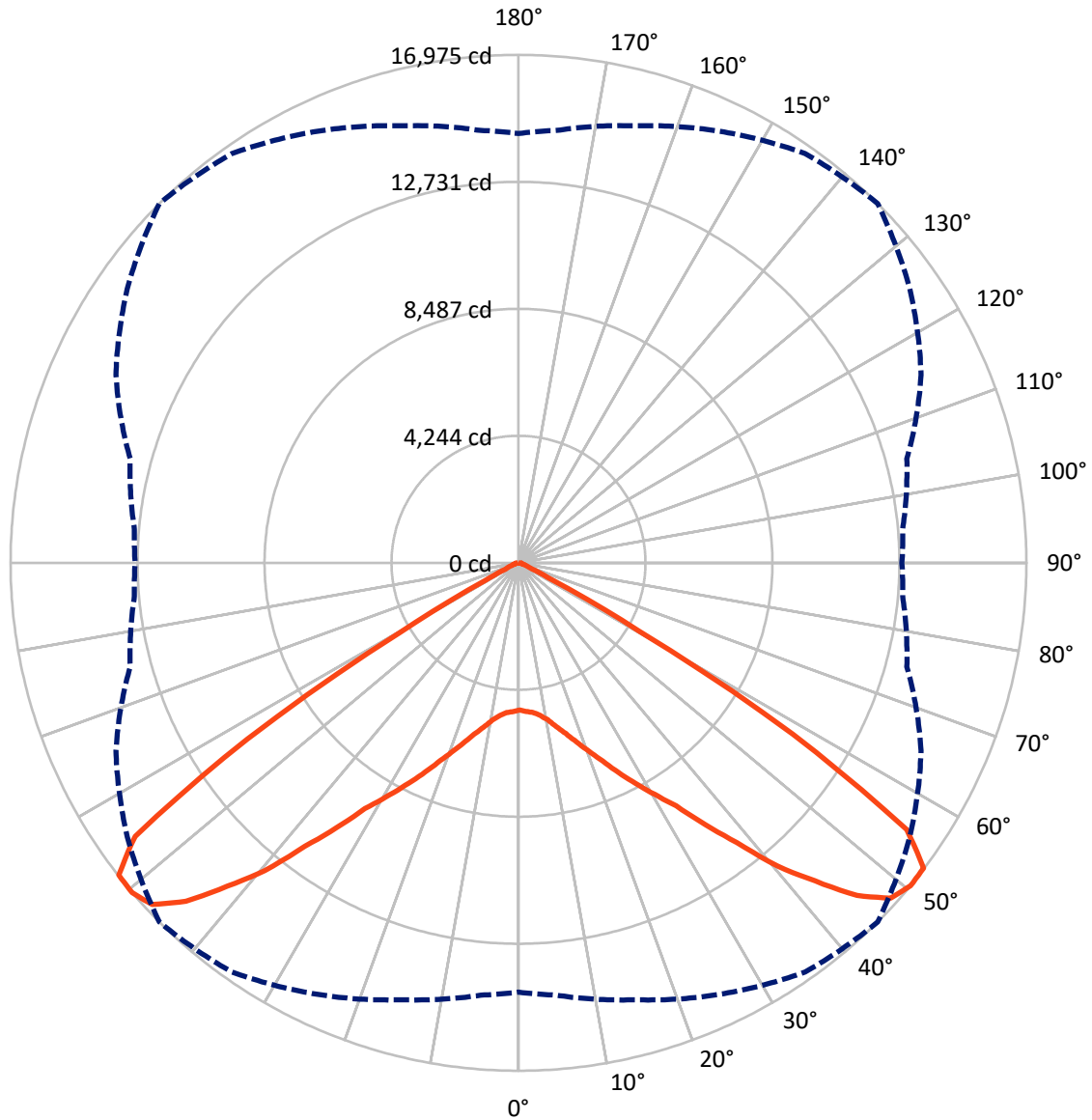
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P647651  
CATALOG NUMBER: GALN-SA9D-835-U-RW-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P647651  
 CATALOG NUMBER: GALN-SA9D-835-U-RW-GRSBK

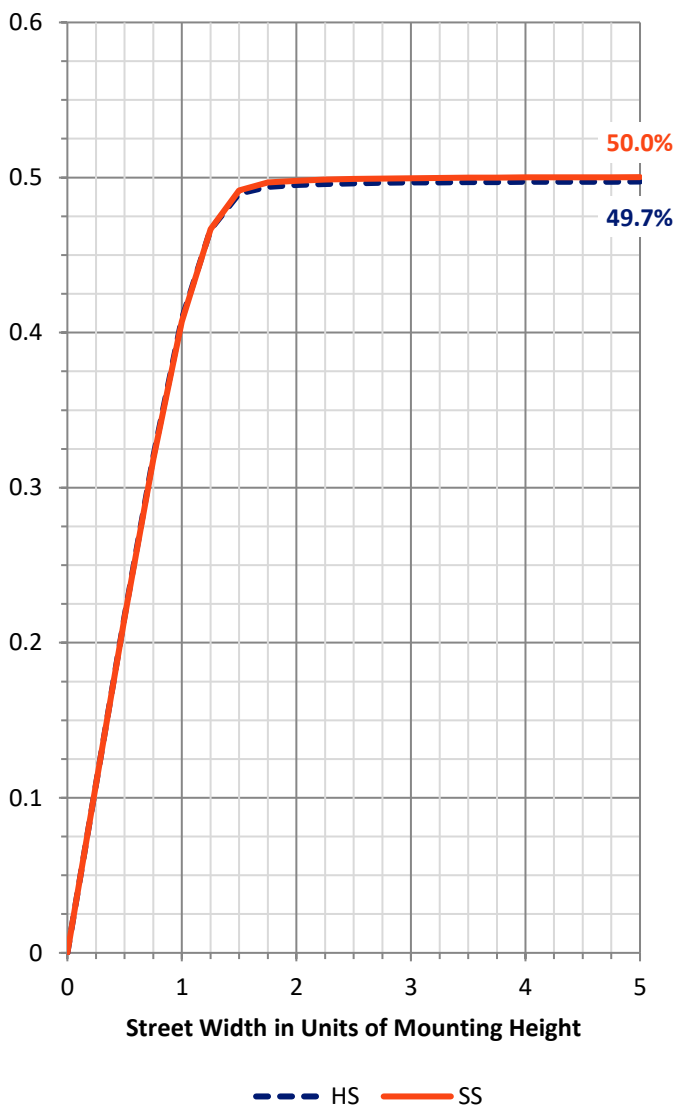
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17743.6	0.0	17743.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17743.6	0.0	17743.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35487.1	0.0	35487.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	489.5	1.4
10°-20°	1686.9	4.8
20°-30°	3445.4	9.7
30°-40°	6570.4	18.5
40°-50°	11072.1	31.2
50°-60°	10559.2	29.8
60°-70°	1474.0	4.2
70°-80°	141.0	0.4
80°-90°	48.7	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°	35487.1	100.0
0°-180°	35487.1	100.0

**Coefficient of Utilization**



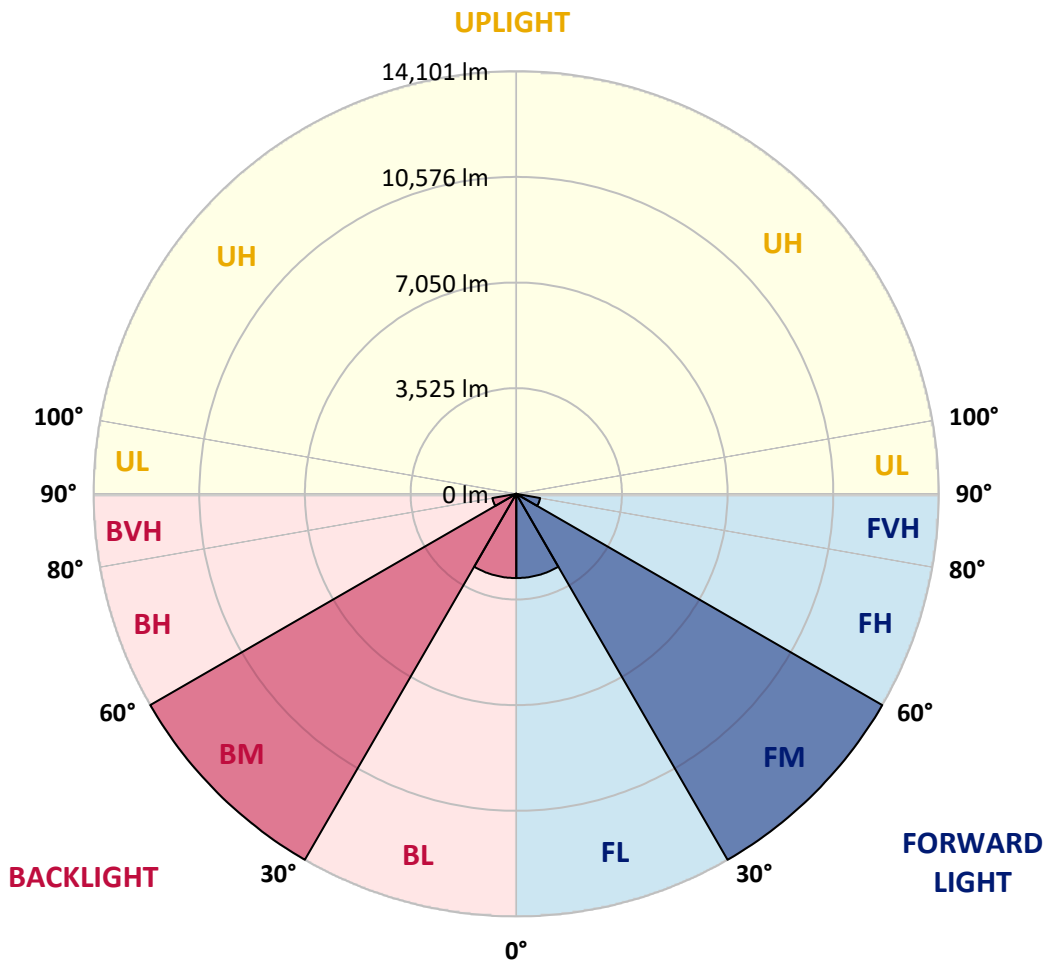
REPORT NUMBER: P647651  
 CATALOG NUMBER: GALN-SA9D-835-U-RW-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2810.9	7.9			
FM (30°-60°)	14100.8	39.7			
FH (60°-80°)	807.5	2.3			G1/1800
FVH (80°-90°)	24.4	0.1			G1/100
BL (0°-30°)	2810.9	7.9	B4/5000		
BM (30°-60°)	14100.8	39.7	B5		
BH (60°-80°)	807.5	2.3	B2/1000		G1/1800
BVH (80°-90°)	24.4	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: P647651

CATALOG NUMBER: GALN-SA9D-835-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9	4919.9
2.5°	4902.0	4902.0	4896.0	4943.8	4919.9	4973.6	4967.7	4985.6	5003.5	4997.5	5045.3
5°	4860.2	4854.2	4854.2	4907.9	4961.7	5021.4	5075.2	5111.0	5170.7	5170.7	5230.4
7.5°	4902.0	4872.1	4914.0	4937.8	5039.3	5140.8	5230.4	5302.0	5439.3	5487.1	5469.2
10°	4914.0	4949.7	4979.6	5051.3	5176.6	5331.9	5409.5	5588.7	5743.9	5851.4	5875.2
12.5°	4991.5	5045.3	5128.9	5302.0	5415.5	5618.5	5725.9	5899.1	6114.1	6233.5	6317.1
15°	5140.8	5158.7	5266.2	5487.1	5732.0	5917.1	6084.2	6209.6	6418.6	6555.9	6561.9
17.5°	5331.9	5409.5	5558.8	5767.7	6024.5	6299.2	6430.5	6567.8	6645.5	6830.6	6872.3
20°	5714.0	5725.9	5869.2	6143.9	6466.3	6717.1	6812.6	6884.3	6854.5	7045.5	7081.3
22.5°	6072.2	6084.2	6263.3	6633.5	6979.8	7194.8	7236.6	7194.8	7105.2	7242.5	7254.5
25°	6436.5	6543.9	6675.3	7045.5	7475.4	7762.0	7768.0	7654.5	7469.4	7493.3	7553.0
27.5°	7003.7	7081.3	7218.6	7559.0	8030.7	8353.0	8299.3	8162.0	7923.2	7941.1	7923.2
30°	7666.4	7738.1	7851.5	8287.4	8633.7	8985.9	9063.6	8932.2	8574.0	8496.4	8585.9
32.5°	8466.5	8568.1	8777.0	9177.1	9469.6	9684.5	9738.3	9690.6	9356.1	9326.3	9386.1
35°	9439.8	9577.1	9768.2	10120.4	10359.2	10747.4	10747.4	10586.2	10281.7	10317.4	10311.5
37.5°	10466.8	10669.7	10968.3	11326.5	11648.9	11857.9	11792.2	11654.9	11350.4	11272.8	11350.4
40°	11756.4	11857.9	12234.1	12699.8	13093.9	13332.7	13052.1	12753.5	12025.1	12138.5	12347.5
42.5°	12932.7	13093.9	13380.5	13893.9	14341.7	14538.7	14204.4	13613.3	12735.7	12646.1	12801.3
45°	13935.8	14108.9	14485.0	15219.5	15691.2	15864.3	15123.9	14168.6	13165.5	12938.6	13004.3
47.5°	14604.4	14694.0	15219.5	15918.0	16347.9	16741.9	15679.2	14550.7	13368.6	12938.6	12914.7
50°	14347.7	14503.0	15117.9	15912.0	16694.2	16974.8	15959.8	14843.3	13434.2	12884.9	12813.2
52.5°	12741.6	13010.2	13696.9	14765.7	15947.9	16950.9	16347.9	14747.7	13410.3	12938.6	13046.1
55°	8866.5	8872.6	9708.4	11284.8	13374.5	15738.9	15780.7	14855.2	13565.6	13272.9	13279.0
57.5°	3564.5	3743.7	4382.5	5964.8	7893.3	10807.0	12849.0	13780.5	13583.5	13511.8	13696.9
60°	901.5	907.6	1104.6	1683.8	2776.4	4633.3	6729.0	9105.4	10484.6	10956.4	11022.0
62.5°	459.8	465.7	513.5	597.0	758.3	1241.9	2209.2	3504.9	4985.6	5737.9	5934.9
65°	376.2	376.2	406.0	447.8	453.7	477.6	573.2	818.0	1188.2	1349.4	1367.3
67.5°	286.6	286.6	310.5	334.3	346.3	340.4	328.4	340.4	412.0	394.1	382.1
70°	179.2	185.1	197.0	220.9	232.9	238.8	244.8	256.7	292.5	304.5	292.5
72.5°	107.5	107.5	113.5	131.4	149.2	161.2	179.2	191.1	209.0	238.8	232.9
75°	47.8	47.8	59.7	77.6	95.5	113.5	131.4	149.2	161.2	179.2	185.1
77.5°	12.0	17.9	29.8	53.7	71.6	95.5	119.4	137.3	149.2	149.2	143.3
80°	6.0	6.0	23.9	41.8	77.6	101.5	131.4	143.3	161.2	149.2	131.4
82.5°	6.0	6.0	23.9	41.8	71.6	101.5	137.3	155.3	167.2	149.2	125.4
85°	0.0	6.0	17.9	35.9	59.7	71.6	59.7	41.8	23.9	23.9	17.9
87.5°	0.0	0.0	6.0	6.0	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)