

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: P532883

Luminaire Tested: **GALN-SA8B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532883  
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-SA8B-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 27661 lumens  
Efficiency: N/A  
Efficacy: 85.1 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

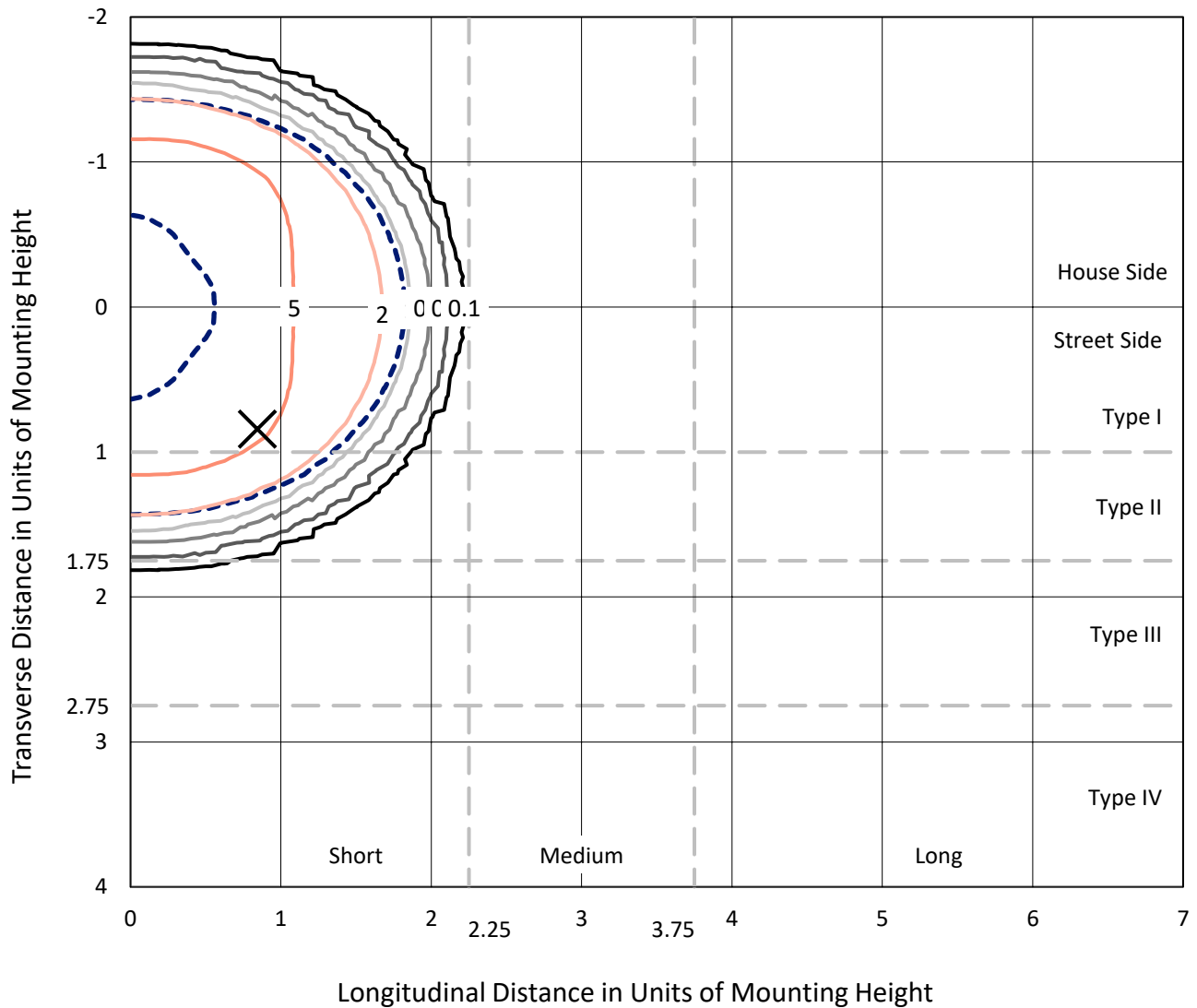
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532883  
 CATALOG NUMBER: GALN-SA8B-735-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

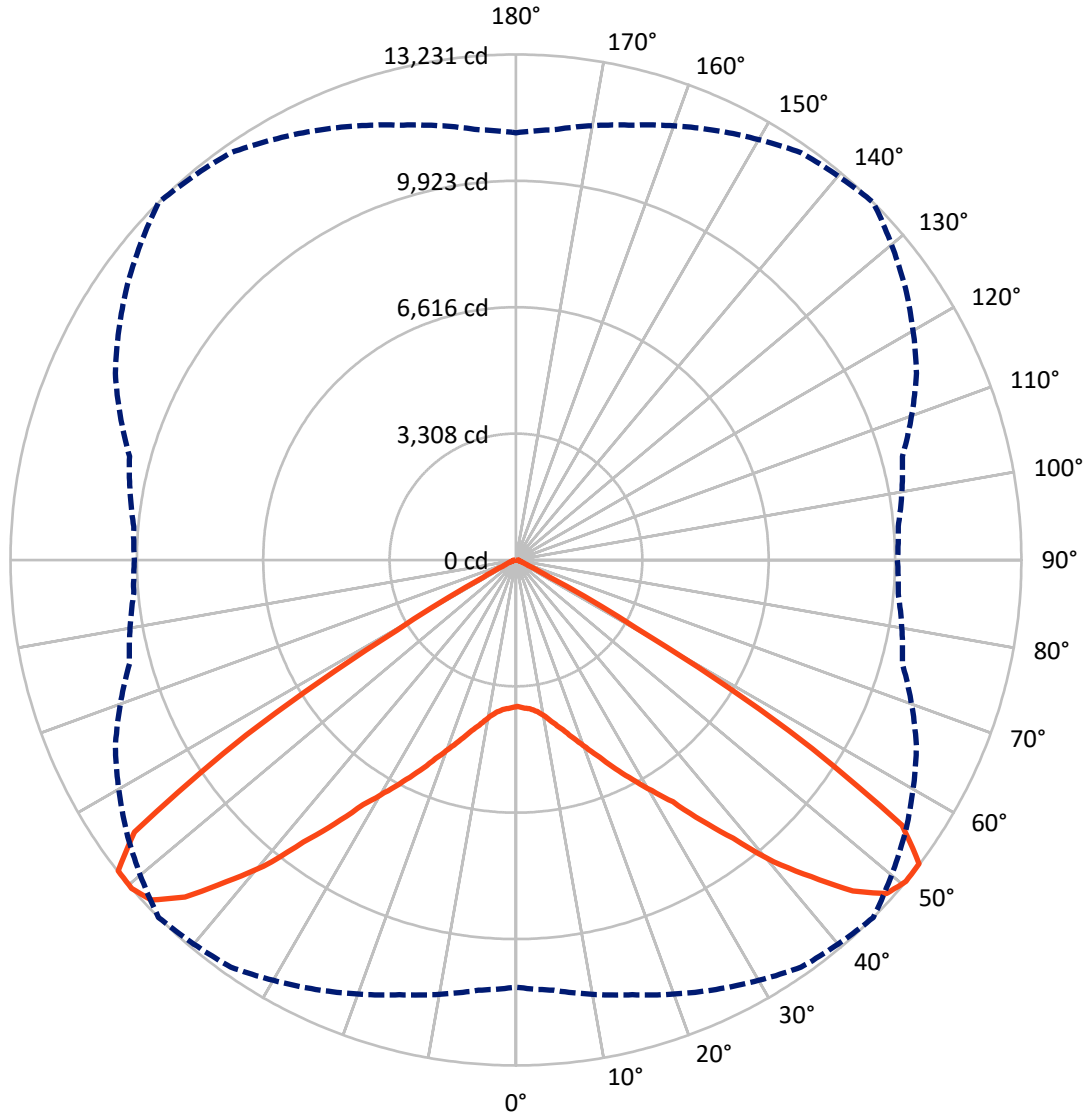
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P532883  
CATALOG NUMBER: GALN-SA8B-735-U-RW-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P532883  
 CATALOG NUMBER: GALN-SA8B-735-U-RW-GRSBK

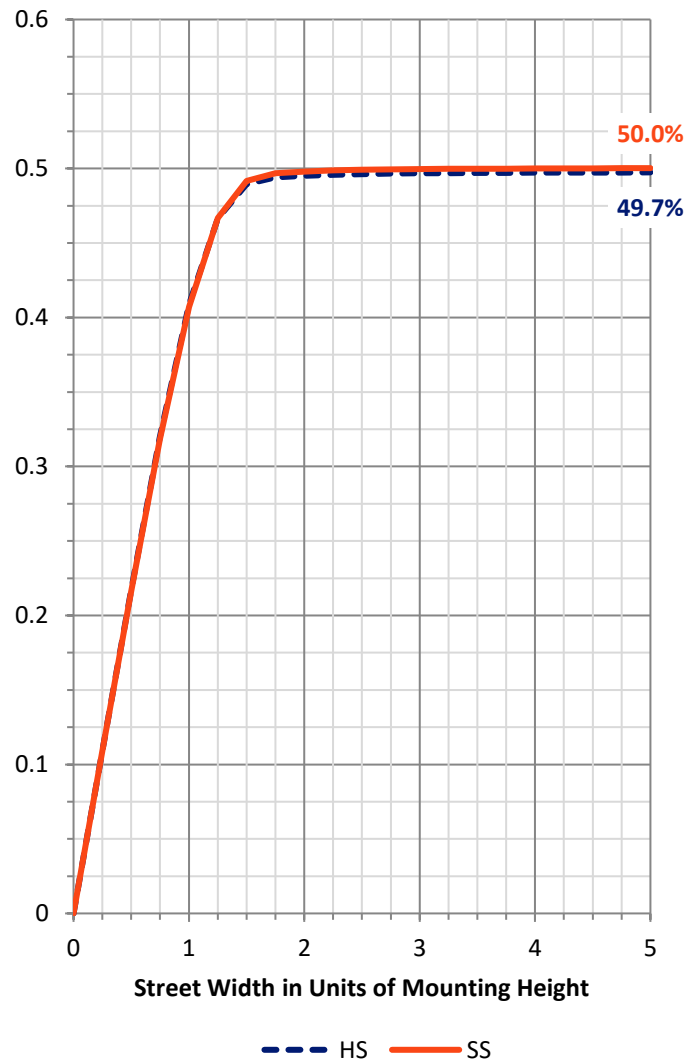
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13830.5	0.0	13830.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13830.5	0.0	13830.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27661.0	0.0	27661.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.5	1.4
10°-20°	1314.9	4.8
20°-30°	2685.6	9.7
30°-40°	5121.4	18.5
40°-50°	8630.3	31.2
50°-60°	8230.5	29.8
60°-70°	1148.9	4.2
70°-80°	109.9	0.4
80°-90°	38.0	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°	27661.0	100.0
0°-180°	27661.0	100.0



REPORT NUMBER: P532883

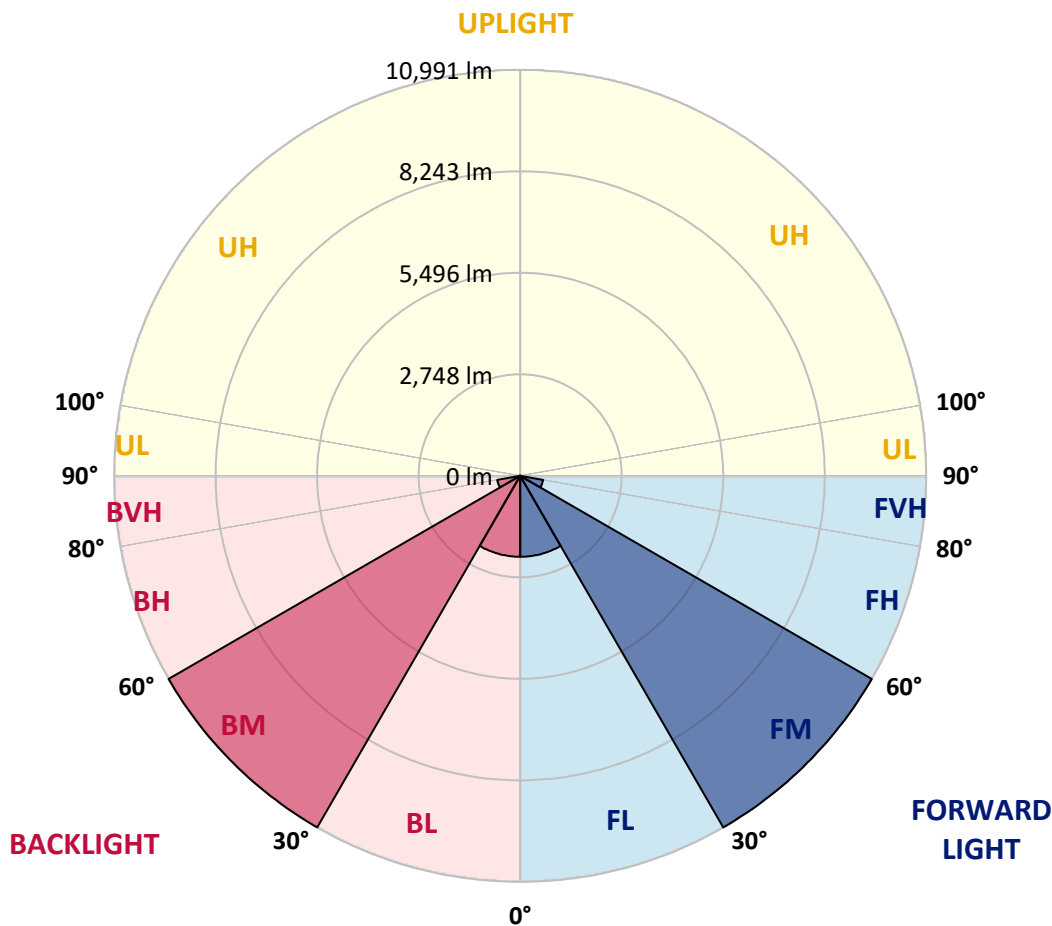
CATALOG NUMBER: GALN-SA8B-735-U-RW-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2191.0	7.9			
FM (30°-60°)	10991.1	39.7			
FH (60°-80°)	629.4	2.3			G0/660
FVH (80°-90°)	19.0	0.1			G1/100
BL (0°-30°)	2191.0	7.9	B3/2500		
BM (30°-60°)	10991.1	39.7	B5		
BH (60°-80°)	629.4	2.3	B2/1000		G0/660
BVH (80°-90°)	19.0	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: P532883

CATALOG NUMBER: GALN-SA8B-735-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9	3834.9
2.5°	3820.9	3820.9	3816.3	3853.5	3834.9	3876.8	3872.1	3886.1	3900.0	3895.4	3932.6
5°	3788.4	3783.7	3783.7	3825.6	3867.5	3914.0	3955.9	3983.8	4030.4	4030.4	4076.9
7.5°	3820.9	3797.7	3830.2	3848.9	3928.0	4007.1	4076.9	4132.7	4239.8	4277.0	4263.1
10°	3830.2	3858.2	3881.4	3937.3	4035.0	4156.0	4216.5	4356.1	4477.1	4560.9	4579.5
12.5°	3890.7	3932.6	3997.8	4132.7	4221.2	4379.4	4463.2	4598.1	4765.7	4858.8	4923.9
15°	4007.1	4021.1	4104.8	4277.0	4467.8	4612.1	4742.4	4840.2	5003.0	5110.1	5114.7
17.5°	4156.0	4216.5	4332.9	4495.8	4695.9	4910.0	5012.4	5119.4	5179.9	5324.2	5356.8
20°	4453.9	4463.2	4574.9	4789.0	5040.3	5235.7	5310.2	5366.1	5342.8	5491.7	5519.6
22.5°	4733.1	4742.4	4882.0	5170.6	5440.5	5608.1	5640.6	5608.1	5538.3	5645.3	5654.6
25°	5017.0	5100.8	5203.2	5491.7	5826.8	6050.2	6054.8	5966.4	5822.1	5840.8	5887.3
27.5°	5459.1	5519.6	5626.7	5892.0	6259.6	6510.9	6469.1	6362.0	6175.9	6189.8	6175.9
30°	5975.7	6031.6	6120.0	6459.7	6729.7	7004.3	7064.8	6962.4	6683.1	6622.6	6692.4
32.5°	6599.4	6678.5	6841.4	7153.2	7381.2	7548.8	7590.7	7553.4	7292.8	7269.5	7316.1
35°	7358.0	7465.0	7613.9	7888.5	8074.7	8377.2	8377.2	8251.5	8014.2	8042.1	8037.5
37.5°	8158.5	8316.7	8549.4	8828.6	9079.9	9242.8	9191.6	9084.6	8847.2	8786.7	8847.2
40°	9163.7	9242.8	9536.0	9899.1	10206.2	10392.4	10173.6	9940.9	9373.1	9461.6	9624.5
42.5°	10080.6	10206.2	10429.6	10829.9	11178.9	11332.5	11071.9	10611.1	9927.0	9857.2	9978.2
45°	10862.4	10997.4	11290.6	11863.0	12230.7	12365.7	11788.6	11043.9	10262.1	10085.2	10136.4
47.5°	11383.7	11453.5	11863.0	12407.6	12742.6	13049.8	12221.4	11341.8	10420.3	10085.2	10066.6
50°	11183.6	11304.6	11783.9	12402.9	13012.6	13231.3	12440.1	11569.8	10471.5	10043.3	9987.5
52.5°	9931.6	10141.1	10676.3	11509.3	12430.8	13212.7	12742.6	11495.4	10452.9	10085.2	10169.0
55°	6911.2	6915.8	7567.4	8796.1	10425.0	12267.9	12300.5	11579.1	10573.9	10345.8	10350.5
57.5°	2778.4	2918.1	3416.0	4649.3	6152.6	8423.7	10015.4	10741.4	10587.8	10532.0	10676.3
60°	702.8	707.4	861.0	1312.4	2164.1	3611.5	5245.1	7097.3	8172.4	8540.1	8591.3
62.5°	358.4	363.0	400.2	465.4	591.1	968.0	1722.0	2731.9	3886.1	4472.5	4626.1
65°	293.2	293.2	316.5	349.0	353.7	372.3	446.8	637.6	926.1	1051.8	1065.8
67.5°	223.4	223.4	242.0	260.6	269.9	265.3	256.0	265.3	321.1	307.2	297.9
70°	139.6	144.3	153.6	172.2	181.5	186.2	190.8	200.1	228.0	237.4	228.0
72.5°	83.8	83.8	88.4	102.4	116.3	125.7	139.6	148.9	162.9	186.2	181.5
75°	37.2	37.2	46.5	60.5	74.5	88.4	102.4	116.3	125.7	139.6	144.3
77.5°	9.3	14.0	23.3	41.9	55.8	74.5	93.1	107.0	116.3	116.3	111.7
80°	4.7	4.7	18.6	32.6	60.5	79.1	102.4	111.7	125.7	116.3	102.4
82.5°	4.7	4.7	18.6	32.6	55.8	79.1	107.0	121.0	130.3	116.3	97.7
85°	0.0	4.7	14.0	27.9	46.5	55.8	46.5	32.6	18.6	18.6	14.0
87.5°	0.0	0.0	4.7	4.7	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)