

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: P647101

Luminaire Tested: **GALN-SA8C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647101  
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-SA8C-835-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 1050mA 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: 28726.7 lumens  
Efficiency: N/A  
Efficacy: 67.0 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

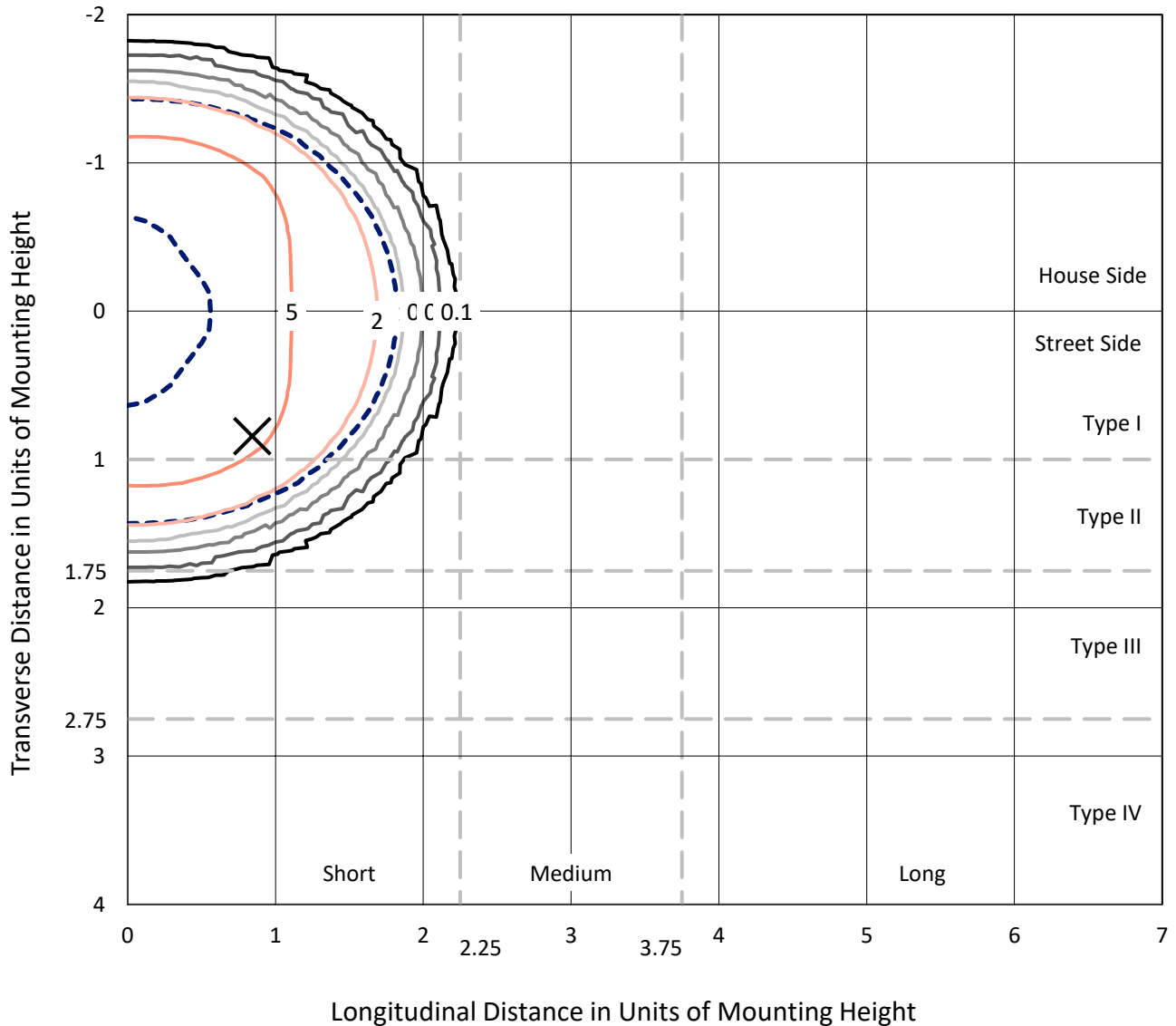
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

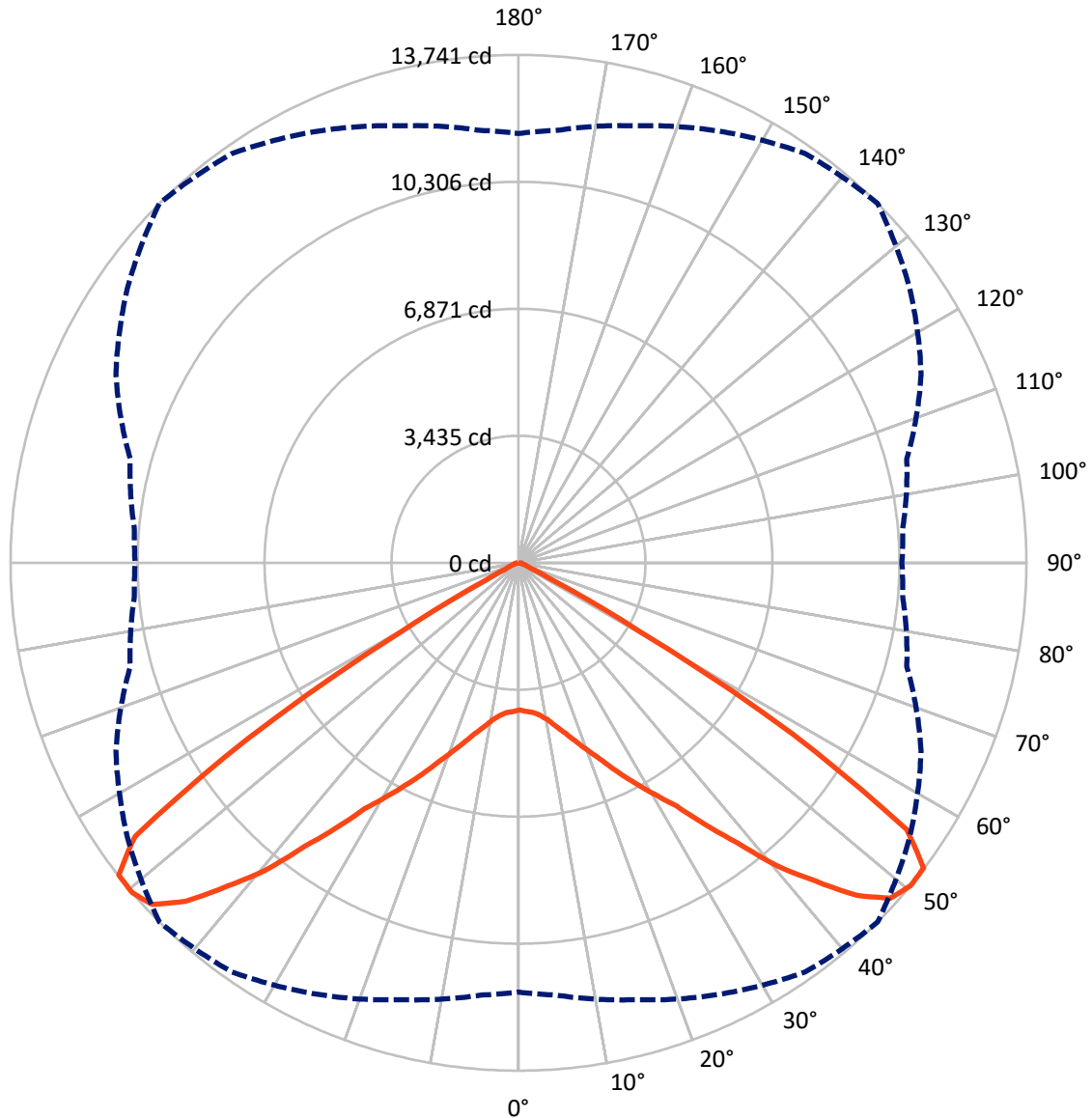
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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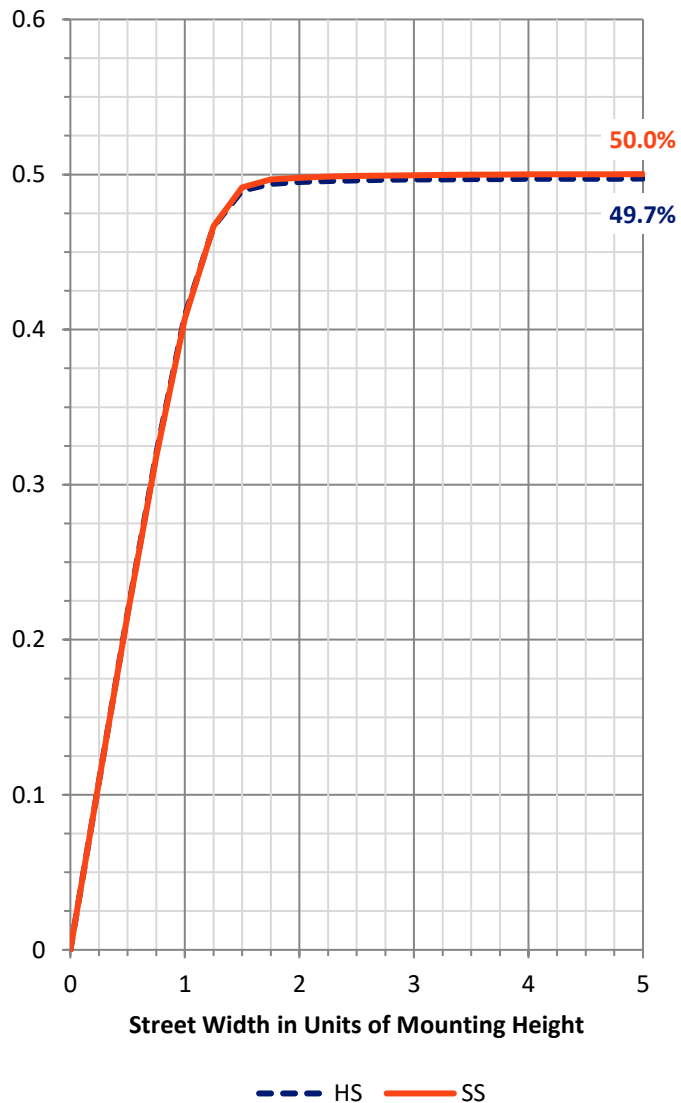
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14363.3	0.0	14363.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14363.3	0.0	14363.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28726.7	0.0	28726.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.2	1.4
10°-20°	1365.6	4.8
20°-30°	2789.0	9.7
30°-40°	5318.7	18.5
40°-50°	8962.8	31.2
50°-60°	8547.6	29.8
60°-70°	1193.2	4.2
70°-80°	114.1	0.4
80°-90°	39.4	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°	28726.7	100.0
0°-180°	28726.7	100.0

**Coefficient of Utilization**



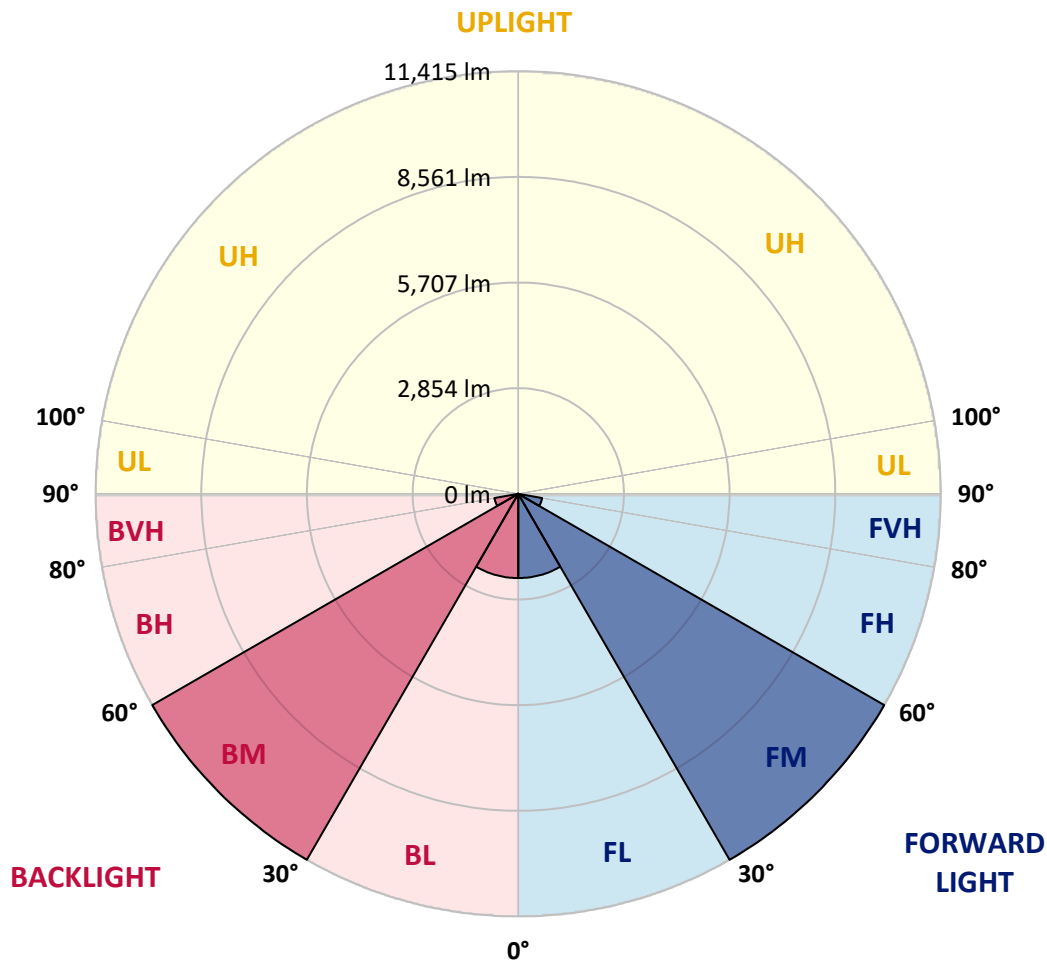
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2275.4	7.9			
FM (30°-60°)	11414.6	39.7			
FH (60°-80°)	653.7	2.3			G0/660
FVH (80°-90°)	19.7	0.1			G1/100
BL (0°-30°)	2275.4	7.9	B3/2500		
BM (30°-60°)	11414.6	39.7	B5		
BH (60°-80°)	653.7	2.3	B2/1000		G0/660
BVH (80°-90°)	19.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7	3982.7
2.5°	3968.2	3968.2	3963.3	4002.0	3982.7	4026.1	4021.3	4035.8	4050.3	4045.4	4084.1
5°	3934.3	3929.5	3929.5	3972.9	4016.5	4064.8	4108.3	4137.3	4185.6	4185.6	4234.0
7.5°	3968.2	3944.0	3977.8	3997.1	4079.3	4161.5	4234.0	4291.9	4403.1	4441.8	4427.3
10°	3977.8	4006.8	4031.0	4089.0	4190.5	4316.1	4379.0	4523.9	4649.6	4736.6	4755.9
12.5°	4040.7	4084.1	4151.8	4291.9	4383.8	4548.1	4635.1	4775.3	4949.3	5046.0	5113.6
15°	4161.5	4176.0	4263.0	4441.8	4640.0	4789.8	4925.1	5026.6	5195.8	5306.9	5311.8
17.5°	4316.1	4379.0	4499.8	4669.0	4876.8	5099.1	5205.5	5316.6	5379.4	5529.3	5563.1
20°	4625.5	4635.1	4751.2	4973.5	5234.4	5437.5	5514.8	5572.8	5548.7	5703.3	5732.3
22.5°	4915.4	4925.1	5070.2	5369.8	5650.1	5824.1	5857.9	5824.1	5751.6	5862.8	5872.5
25°	5210.3	5297.3	5403.6	5703.3	6051.3	6283.3	6288.1	6196.3	6046.5	6065.8	6114.1
27.5°	5669.5	5732.3	5843.5	6119.0	6500.8	6761.8	6718.3	6607.1	6413.8	6428.3	6413.8
30°	6206.0	6263.9	6355.8	6708.6	6989.0	7274.1	7336.9	7230.6	6940.6	6877.8	6950.3
32.5°	6853.6	6935.8	7104.9	7428.8	7665.6	7839.6	7883.1	7844.5	7573.8	7549.6	7597.9
35°	7641.5	7752.6	7907.3	8192.5	8385.8	8699.9	8699.9	8569.5	8323.0	8351.9	8347.1
37.5°	8472.8	8637.1	8878.8	9168.8	9429.7	9599.0	9545.8	9434.6	9188.1	9125.2	9188.1
40°	9516.7	9599.0	9903.5	10280.4	10599.5	10792.8	10565.6	10323.9	9734.3	9826.1	9995.3
42.5°	10468.9	10599.5	10831.4	11247.1	11609.6	11769.1	11498.4	11019.9	10309.4	10236.9	10362.6
45°	11280.9	11421.1	11725.6	12320.1	12701.9	12842.1	12242.8	11469.5	10657.4	10473.8	10527.0
47.5°	11822.3	11894.8	12320.1	12885.6	13233.6	13552.6	12692.3	11778.7	10821.8	10473.8	10454.5
50°	11614.4	11740.1	12237.9	12880.7	13514.0	13741.1	12919.4	12015.6	10874.9	10430.3	10372.2
52.5°	10314.3	10531.7	11087.6	11952.7	12909.8	13721.8	13233.6	11938.2	10855.6	10473.8	10560.8
55°	7177.4	7182.3	7859.0	9134.9	10826.6	12740.6	12774.4	12025.2	10981.3	10744.4	10749.3
57.5°	2885.5	3030.4	3547.6	4828.4	6389.6	8748.3	10401.3	11155.2	10995.7	10937.7	11087.6
60°	729.8	734.7	894.2	1363.0	2247.5	3750.6	5447.1	7370.8	8487.3	8869.1	8922.3
62.5°	372.2	377.0	415.7	483.3	613.8	1005.3	1788.3	2837.1	4035.8	4644.8	4804.3
65°	304.5	304.5	328.7	362.5	367.3	386.6	464.0	662.2	961.8	1092.4	1106.8
67.5°	232.0	232.0	251.3	270.7	280.3	275.5	265.8	275.5	333.5	319.0	309.4
70°	145.0	149.9	159.5	178.8	188.5	193.3	198.2	207.8	236.9	246.5	236.9
72.5°	87.0	87.0	91.8	106.3	120.8	130.5	145.0	154.6	169.1	193.3	188.5
75°	38.7	38.7	48.3	62.8	77.4	91.8	106.3	120.8	130.5	145.0	149.9
77.5°	9.6	14.5	24.2	43.5	58.0	77.4	96.7	111.2	120.8	120.8	116.0
80°	4.9	4.9	19.3	33.8	62.8	82.1	106.3	116.0	130.5	120.8	106.3
82.5°	4.9	4.9	19.3	33.8	58.0	82.1	111.2	125.7	135.3	120.8	101.5
85°	0.0	4.9	14.5	29.0	48.3	58.0	48.3	33.8	19.3	19.3	14.5
87.5°	0.0	0.0	4.9	4.9	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)