

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: P647972

Luminaire Tested: **GALN-SA6A-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-835-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19125.6 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

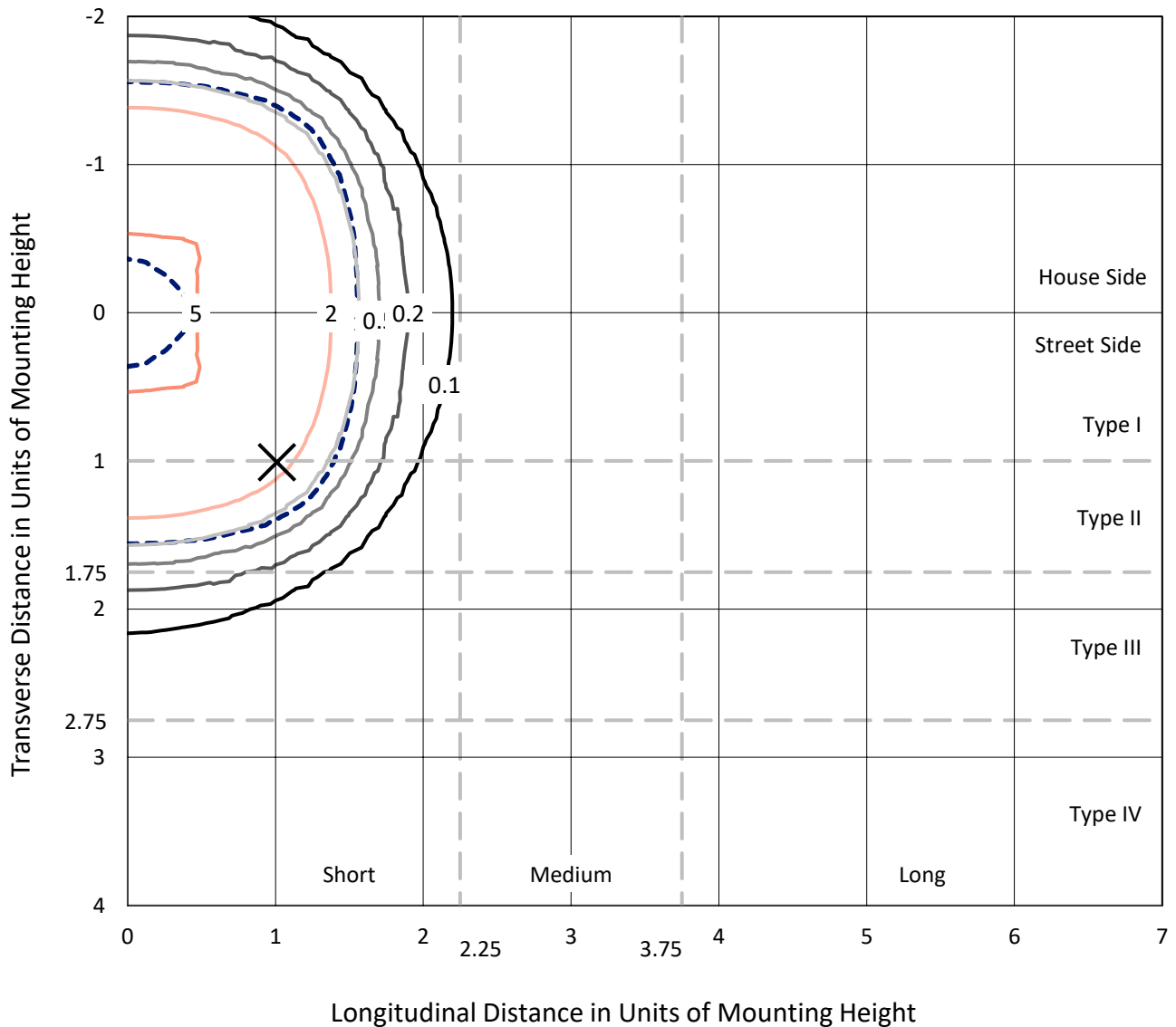
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

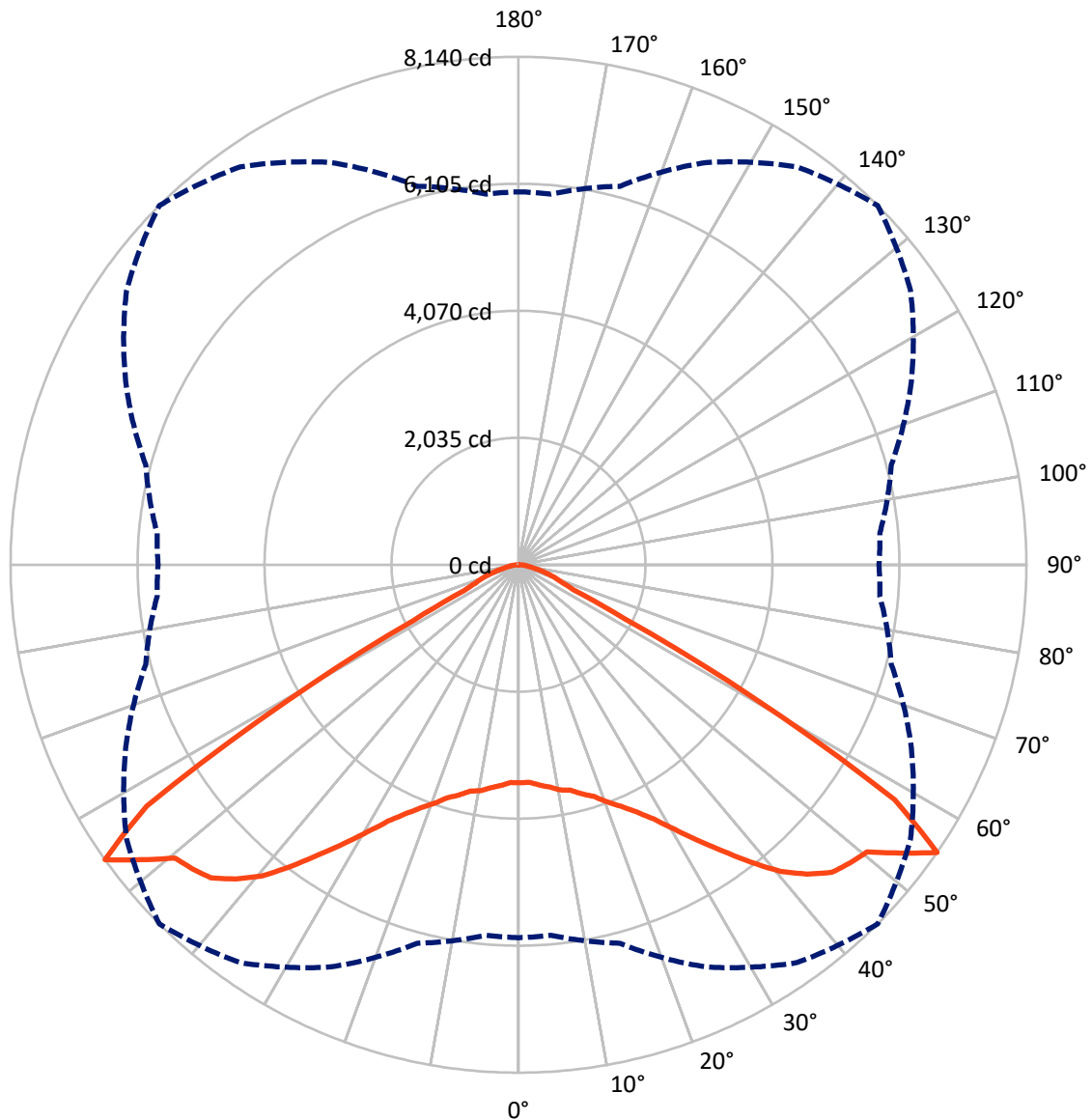
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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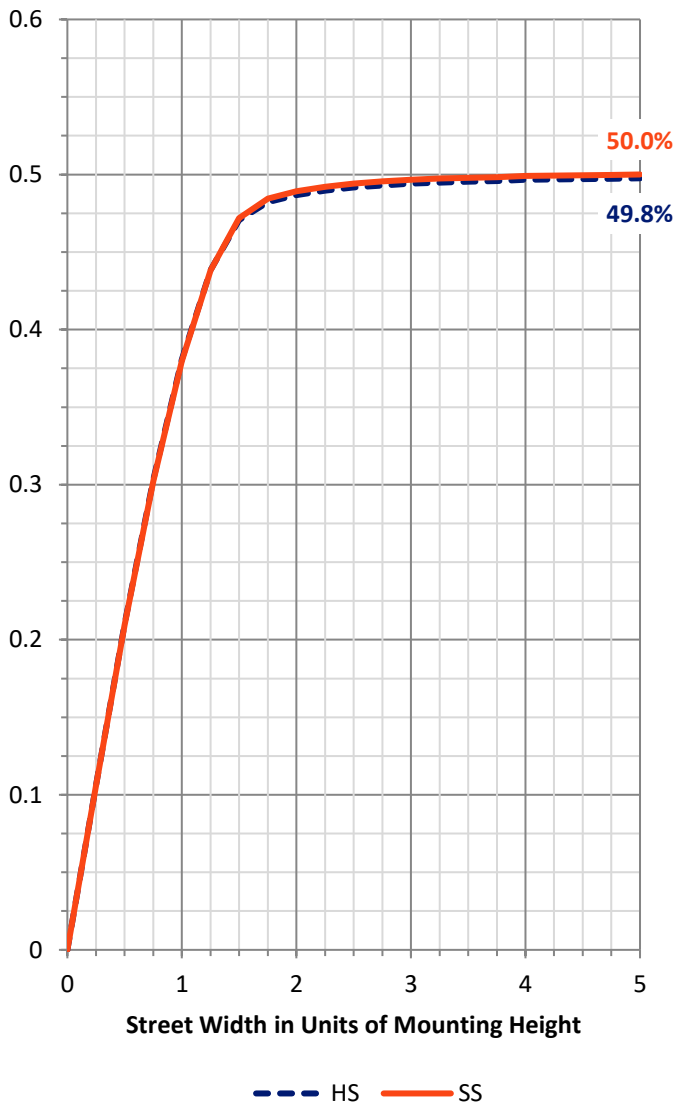
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9562.8	0.0	9562.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9562.8	0.0	9562.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19125.6	0.0	19125.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.1	1.8
10°-20°	1080.9	5.7
20°-30°	2015.5	10.5
30°-40°	3374.7	17.6
40°-50°	5251.2	27.5
50°-60°	5452.4	28.5
60°-70°	1156.3	6.0
70°-80°	380.8	2.0
80°-90°	72.5	0.4
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°	19125.6	100.0
0°-180°	19125.6	100.0

**Coefficient of Utilization**



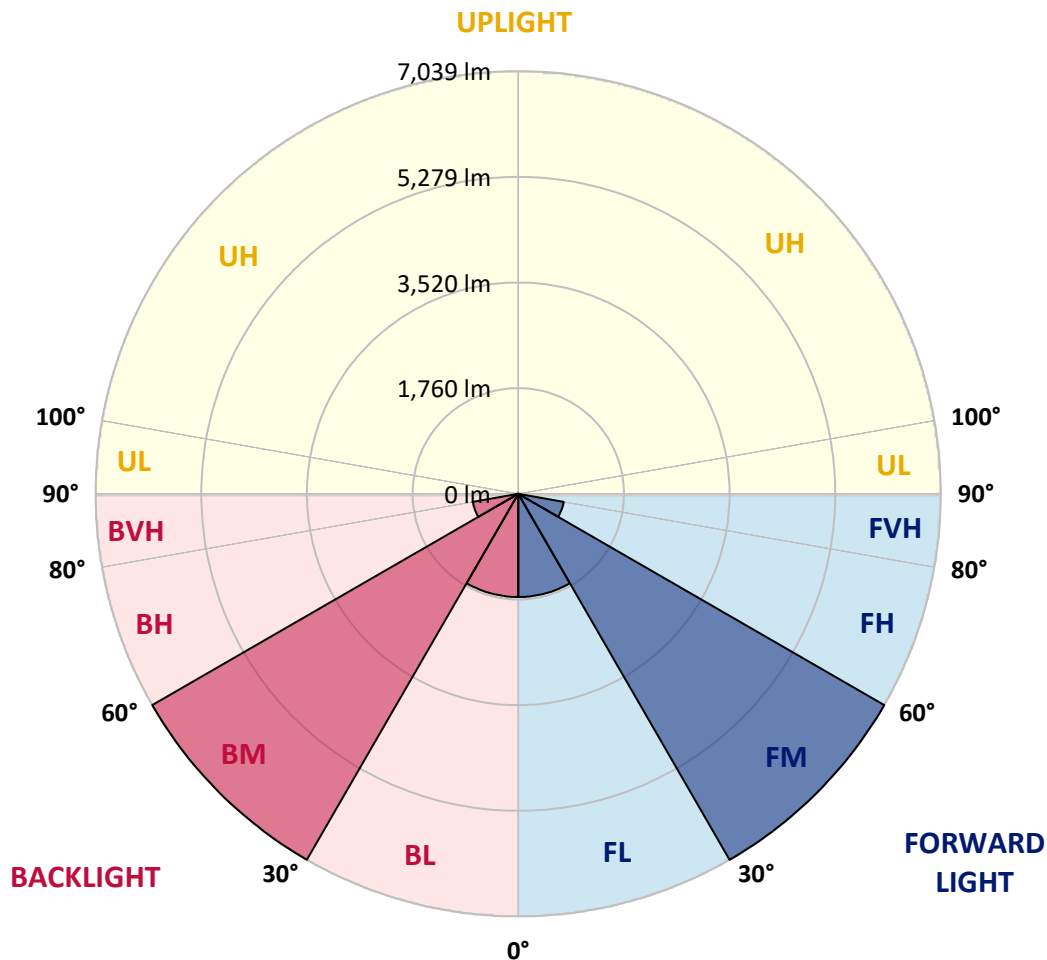
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1718.8	9.0			
FM (30°-60°)	7039.2	36.8			
FH (60°-80°)	768.5	4.0			G1/1800
FVH (80°-90°)	36.3	0.2			G1/100
BL (0°-30°)	1718.8	9.0	B3/2500		
BM (30°-60°)	7039.2	36.8	B4/8500		
BH (60°-80°)	768.5	4.0	B2/1000		G1/1800
BVH (80°-90°)	36.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0	3492.0
2.5°	3533.7	3517.5	3489.8	3510.5	3526.7	3492.0	3505.9	3512.9	3508.2	3489.8	3496.6
5°	3584.5	3575.3	3552.2	3568.3	3547.5	3547.5	3533.7	3515.1	3542.9	3538.3	3549.8
7.5°	3584.5	3572.9	3619.2	3589.1	3598.4	3598.4	3575.3	3556.8	3570.6	3549.8	3538.3
10°	3656.1	3672.3	3651.5	3658.4	3653.8	3670.0	3635.3	3623.8	3612.2	3605.3	3591.4
12.5°	3741.6	3730.1	3737.0	3732.4	3748.5	3707.0	3686.2	3660.8	3681.6	3651.5	3672.3
15°	3810.9	3804.0	3810.9	3829.5	3813.3	3810.9	3774.0	3748.5	3716.2	3723.2	3690.8
17.5°	3905.8	3898.8	3901.1	3917.3	3915.0	3903.4	3875.7	3827.1	3815.6	3797.1	3776.3
20°	4046.7	4035.1	4030.5	4037.5	4049.0	4058.3	4002.8	3984.3	3945.0	3915.0	3880.3
22.5°	4166.9	4162.3	4180.8	4150.7	4176.1	4203.8	4150.7	4141.4	4044.4	4028.2	3991.3
25°	4333.3	4326.3	4314.8	4358.7	4388.7	4386.4	4335.5	4284.7	4210.8	4192.3	4192.3
27.5°	4508.9	4469.6	4529.7	4541.2	4594.4	4610.6	4566.7	4492.8	4423.4	4384.1	4393.3
30°	4728.5	4691.5	4705.4	4788.6	4857.9	4917.9	4807.1	4698.4	4601.4	4532.0	4520.5
32.5°	4948.0	4911.1	4952.6	5033.5	5172.2	5262.3	5153.7	4964.2	4850.9	4749.3	4770.0
35°	5126.0	5153.7	5220.7	5343.2	5486.5	5632.1	5458.8	5313.2	5151.4	5038.1	5054.3
37.5°	5412.6	5498.1	5551.2	5692.2	5895.6	6045.8	5865.5	5676.0	5502.7	5354.8	5304.0
40°	5786.9	5844.7	5904.8	6071.2	6311.5	6461.8	6290.8	6043.5	5872.4	5719.9	5713.0
42.5°	6198.3	6253.8	6316.1	6519.6	6662.9	6776.1	6618.9	6487.2	6297.7	6177.5	6170.6
45°	6676.7	6637.4	6706.8	6840.8	6960.9	7034.9	6933.2	6868.6	6732.2	6621.2	6609.7
47.5°	6995.6	6960.9	7085.8	7205.9	7224.4	7143.5	7164.4	7224.4	7081.1	6898.5	6956.3
50°	7180.5	7180.5	7263.7	7374.7	7340.0	7236.0	7400.1	7404.7	7261.4	7099.6	7099.6
52.5°	6859.3	6931.0	7166.6	7529.5	7645.1	7675.1	7638.1	7480.9	7106.6	6776.1	6759.9
55°	5976.5	5960.3	6279.2	7111.2	7783.7	8139.6	7668.2	6944.8	6184.4	5812.4	5775.4
57.5°	3887.2	3905.8	4381.8	5230.0	6443.3	7106.6	6311.5	5294.6	4381.8	3868.7	3917.3
60°	1749.5	1811.9	2100.8	2734.0	3776.3	4317.1	3785.6	2872.7	2204.8	1913.6	1939.0
62.5°	1005.3	1016.9	1028.4	1220.2	1608.5	1902.0	1670.9	1289.6	1137.1	1086.2	1086.2
65°	848.1	841.3	843.5	859.7	901.3	961.4	936.0	901.3	905.9	901.3	894.4
67.5°	721.1	730.3	723.3	734.9	737.3	746.5	762.6	776.5	778.9	783.5	778.9
70°	591.6	594.0	598.6	607.8	610.1	617.1	640.2	651.7	658.7	658.7	667.9
72.5°	453.0	450.7	455.3	464.6	476.1	478.4	499.2	515.4	524.6	513.0	515.4
75°	298.2	300.4	307.4	314.3	330.5	346.6	353.6	369.8	372.1	376.7	365.1
77.5°	178.0	182.6	189.5	203.3	217.2	231.1	247.3	258.9	263.5	258.9	245.0
80°	115.6	115.6	124.8	136.3	152.5	164.1	173.4	182.6	189.5	182.6	178.0
82.5°	71.6	71.6	83.2	97.1	108.6	115.6	129.4	140.9	147.9	143.3	136.3
85°	37.0	39.3	48.5	60.1	69.3	74.0	71.6	64.7	57.8	55.4	50.8
87.5°	11.6	11.6	13.9	13.9	11.6	11.6	13.9	11.6	13.9	13.9	13.9
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)