

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: P647975

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18013.7 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

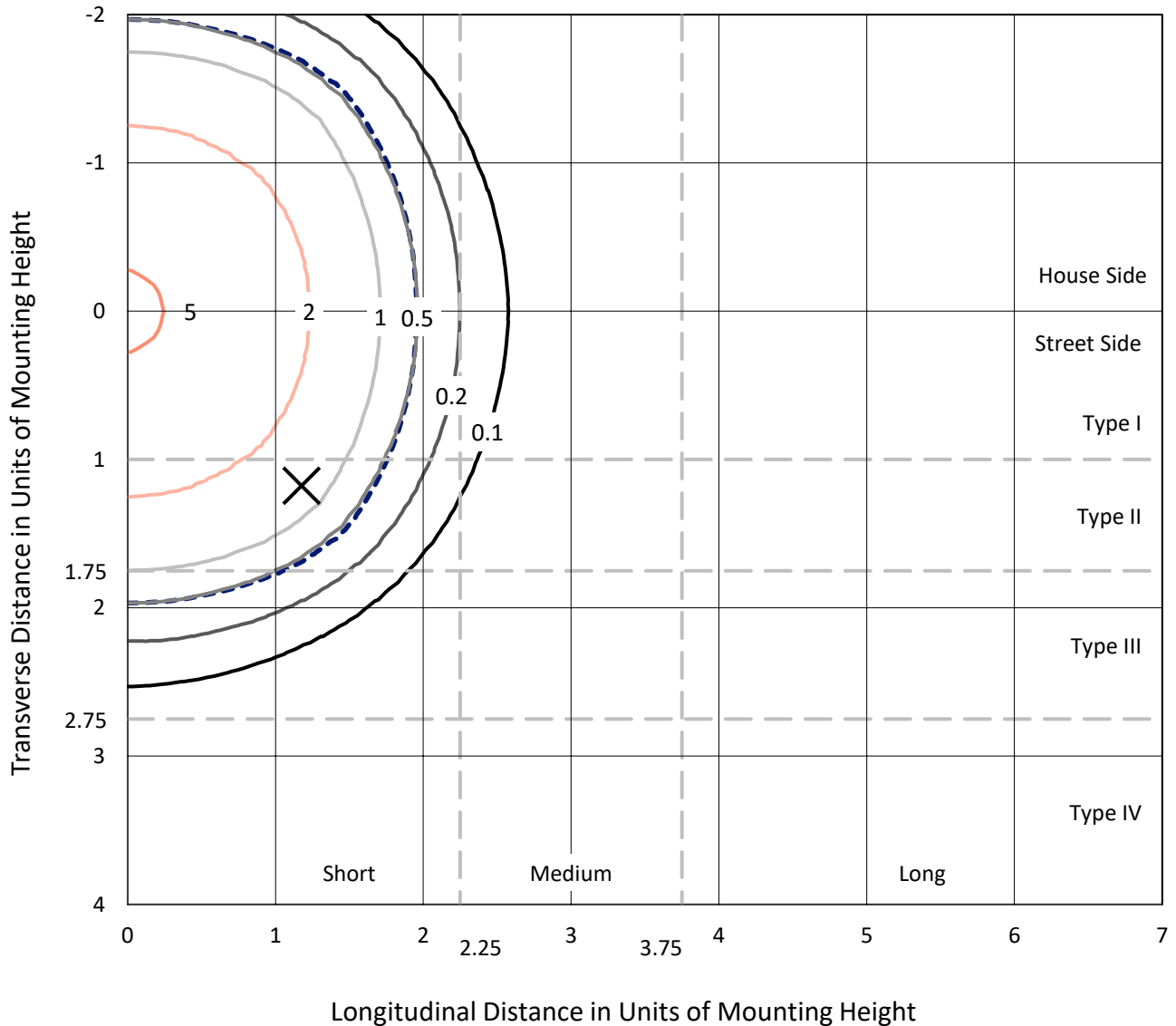
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

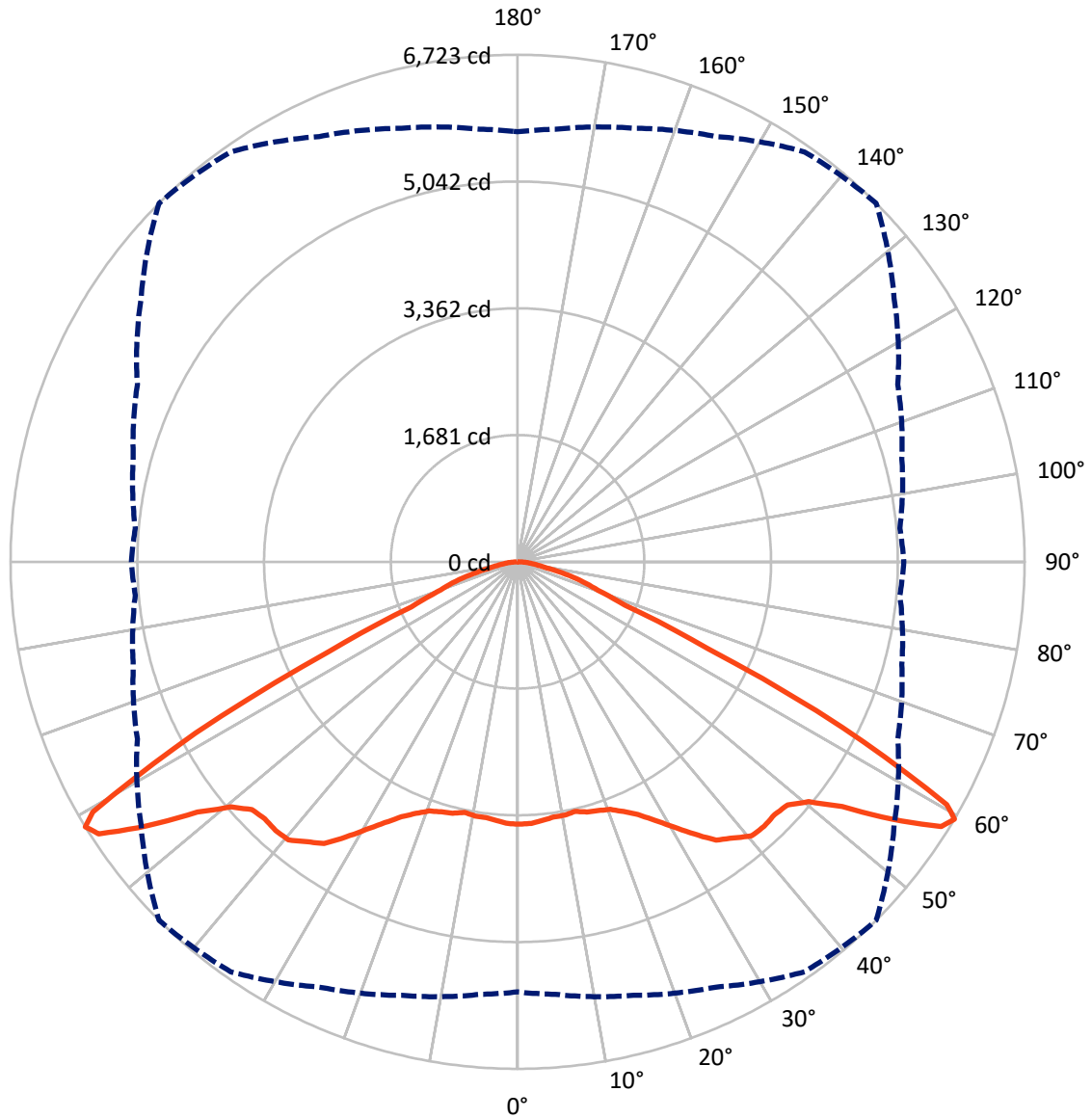
✕ Max cd  
 - - - 1/2 Max cd



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 59-Deg Vertical

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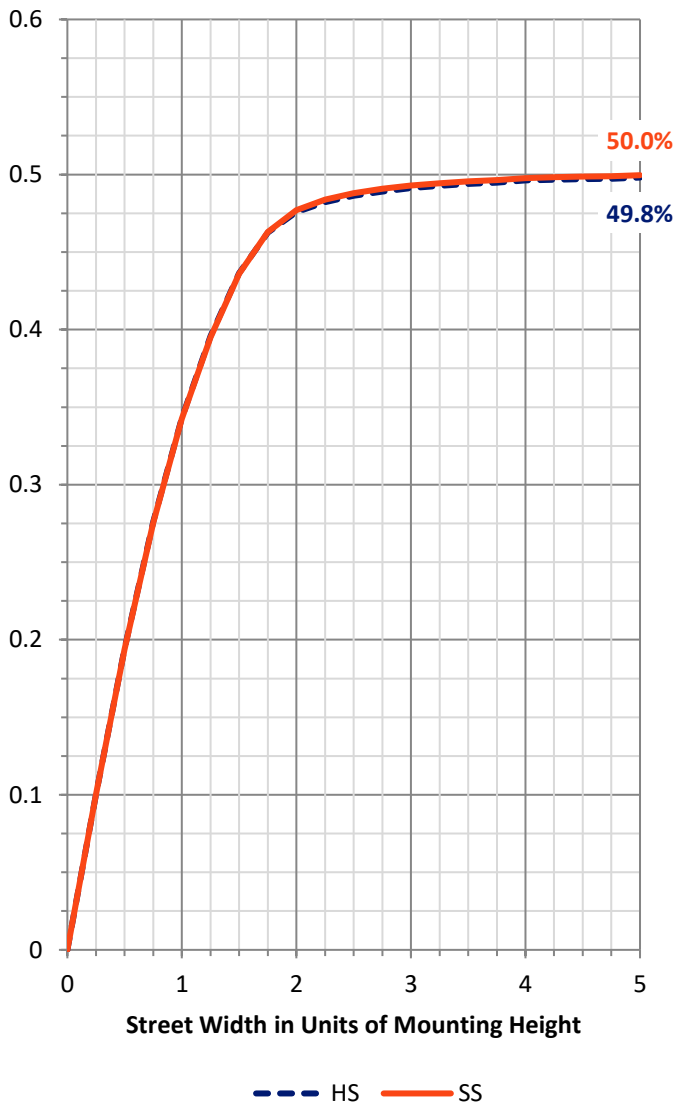
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9006.8	0.0	9006.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9006.8	0.0	9006.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18013.7	0.0	18013.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.0	1.8
10°-20°	975.4	5.4
20°-30°	1703.2	9.5
30°-40°	2720.2	15.1
40°-50°	3705.4	20.6
50°-60°	5010.7	27.8
60°-70°	2747.9	15.3
70°-80°	703.0	3.9
80°-90°	119.9	0.7
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°	18013.7	100.0
0°-180°	18013.7	100.0

**Coefficient of Utilization**



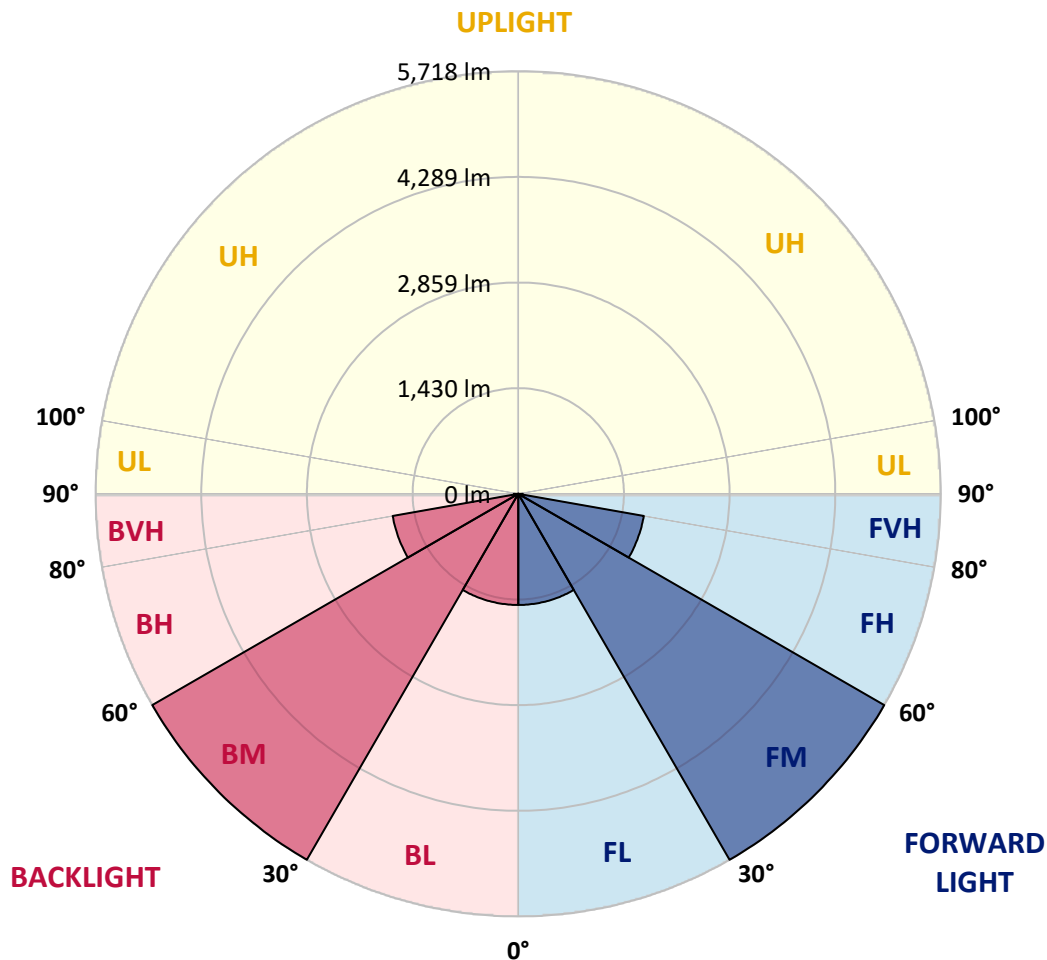
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1503.3	8.3			
FM (30°-60°)	5718.2	31.7			
FH (60°-80°)	1725.4	9.6			G1/1800
FVH (80°-90°)	59.9	0.3			G1/100
BL (0°-30°)	1503.3	8.3	B3/2500		
BM (30°-60°)	5718.2	31.7	B4/8500		
BH (60°-80°)	1725.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	59.9	0.3			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°	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4	3479.4
2.5°	3458.6	3484.0	3465.6	3481.7	3479.4	3472.4	3460.9	3454.0	3444.7	3458.6	3435.5
5°	3444.7	3465.6	3486.3	3458.6	3458.6	3444.7	3437.8	3424.0	3424.0	3421.6	3419.4
7.5°	3467.8	3447.1	3437.8	3442.5	3447.1	3417.0	3437.8	3410.1	3387.0	3403.2	3421.6
10°	3447.1	3456.3	3421.6	3437.8	3412.4	3417.0	3403.2	3421.6	3396.3	3396.3	3396.3
12.5°	3467.8	3442.5	3454.0	3442.5	3435.5	3396.3	3414.7	3394.0	3391.6	3414.7	3394.0
15°	3509.4	3467.8	3458.6	3435.5	3442.5	3442.5	3424.0	3426.3	3400.9	3414.7	3419.4
17.5°	3495.5	3472.4	3465.6	3437.8	3460.9	3467.8	3433.2	3410.1	3426.3	3424.0	3421.6
20°	3507.1	3516.3	3509.4	3514.0	3523.3	3504.8	3472.4	3440.1	3419.4	3449.3	3447.1
22.5°	3581.0	3571.7	3567.1	3562.5	3578.7	3597.1	3553.3	3502.4	3502.4	3523.3	3532.5
25°	3641.0	3638.7	3636.4	3657.2	3712.6	3712.6	3657.2	3592.5	3576.4	3590.2	3578.7
27.5°	3728.7	3754.2	3744.9	3781.8	3862.6	3881.1	3807.3	3731.1	3687.1	3671.0	3691.8
30°	3929.6	3899.6	3906.5	3945.8	4017.3	4077.4	3964.3	3883.4	3823.4	3821.1	3830.4
32.5°	4063.5	4086.6	4107.4	4144.3	4257.5	4303.6	4167.4	4035.8	3998.9	3978.1	3985.0
35°	4331.3	4310.6	4306.0	4342.9	4456.1	4532.2	4361.4	4245.9	4197.4	4243.6	4243.6
37.5°	4585.3	4527.6	4483.7	4532.2	4636.1	4645.3	4499.9	4437.6	4412.1	4465.2	4462.9
40°	4705.4	4700.7	4599.2	4626.9	4765.4	4779.3	4643.0	4569.1	4564.5	4633.8	4703.1
42.5°	4830.0	4786.2	4684.6	4703.1	4788.5	4793.1	4663.8	4643.0	4693.9	4760.8	4765.4
45°	4850.8	4813.9	4749.2	4703.1	4765.4	4779.3	4703.1	4716.9	4721.5	4802.4	4802.4
47.5°	4892.4	4887.8	4850.8	4816.2	4827.7	4816.2	4767.7	4788.5	4857.7	4897.0	4878.6
50°	5007.8	4959.4	4996.2	4966.3	4968.6	5000.9	4957.0	4977.8	4964.0	4929.3	4906.2
52.5°	5261.8	5238.7	5271.0	5291.8	5314.9	5388.8	5337.9	5227.2	5123.2	5030.9	5028.6
55°	5633.5	5649.7	5712.0	5818.2	5908.3	6026.0	5781.3	5515.8	5349.5	5204.1	5213.3
57.5°	5984.5	5972.9	6058.3	6300.7	6564.0	6624.0	6143.7	5765.2	5495.0	5402.6	5363.4
59°	5702.7	5758.2	5952.1	6222.3	6635.5	6723.3	6095.3	5562.0	5275.6	5088.6	5121.0
60°	5259.5	5280.2	5453.4	5829.7	6388.5	6538.6	5769.7	5247.9	4867.0	4758.4	4806.9
62.5°	3717.2	3701.0	3825.7	4132.8	4633.8	4837.0	4289.7	3922.7	3682.5	3562.5	3590.2
65°	1976.4	2050.2	2101.0	2292.6	2558.1	2772.9	2546.6	2387.3	2253.4	2154.1	2151.8
67.5°	1334.5	1325.2	1336.8	1380.7	1470.7	1530.8	1526.1	1445.3	1433.8	1415.3	1436.1
70°	1124.4	1119.8	1099.0	1099.0	1117.5	1131.4	1147.5	1156.7	1175.2	1198.3	1196.0
72.5°	912.0	900.4	886.6	879.6	902.7	909.7	930.4	939.7	955.9	953.5	974.3
75°	602.6	602.6	618.7	637.2	644.2	658.0	660.3	688.0	688.0	692.6	674.2
77.5°	337.1	327.8	339.4	357.8	374.0	399.4	424.9	445.6	457.1	452.5	452.5
80°	196.2	196.2	207.8	228.6	249.4	272.4	290.9	307.1	318.6	314.0	304.7
82.5°	122.4	122.4	133.9	154.7	170.9	184.7	210.1	230.9	244.8	240.1	228.6
85°	62.3	62.3	76.2	90.0	110.8	120.0	117.8	108.5	106.2	94.7	94.7
87.5°	16.1	16.1	23.1	25.4	20.7	23.1	23.1	23.1	23.1	23.1	25.4
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)