

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: P528438

Luminaire Tested: **GALN-SA3C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17131 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

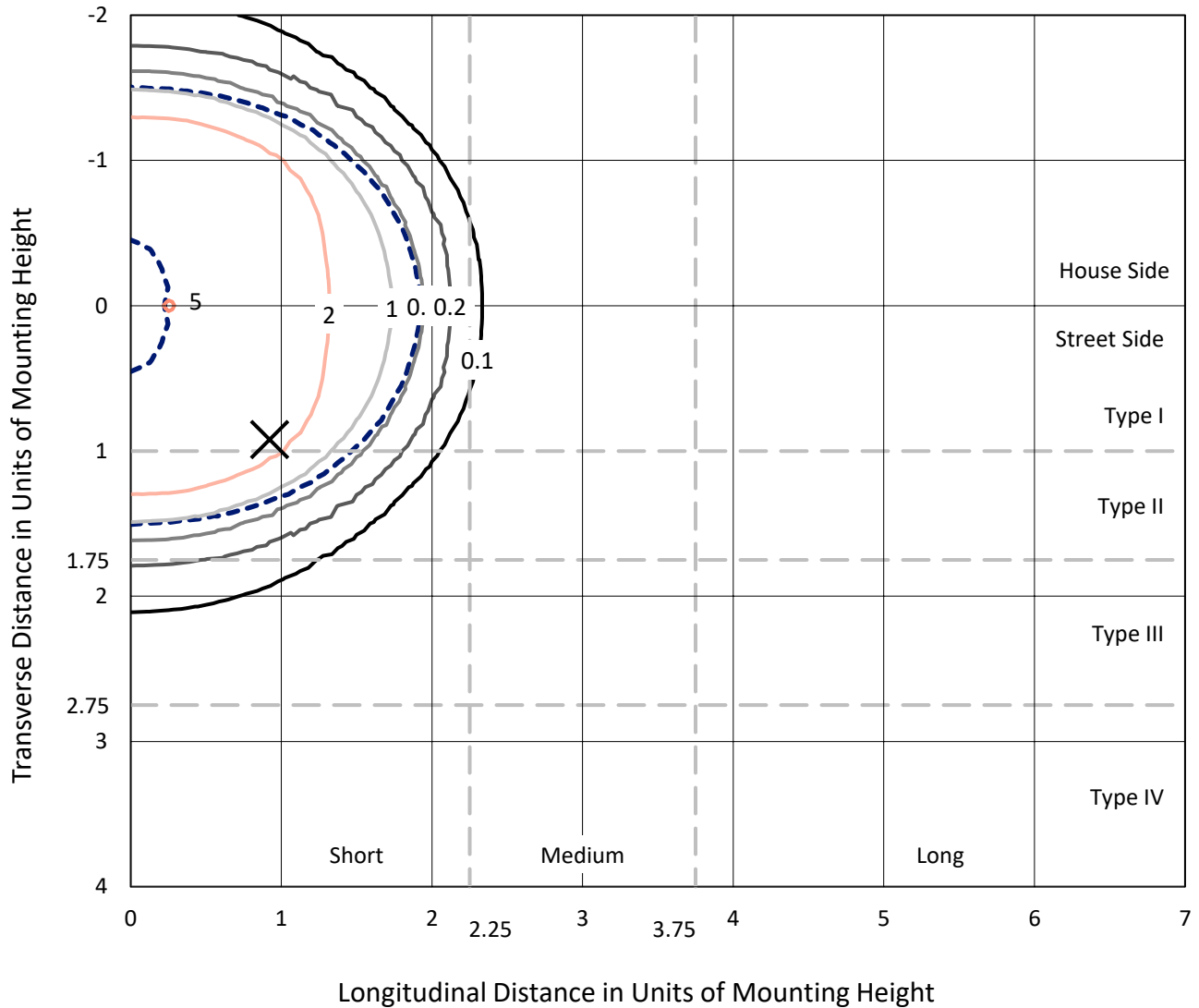
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

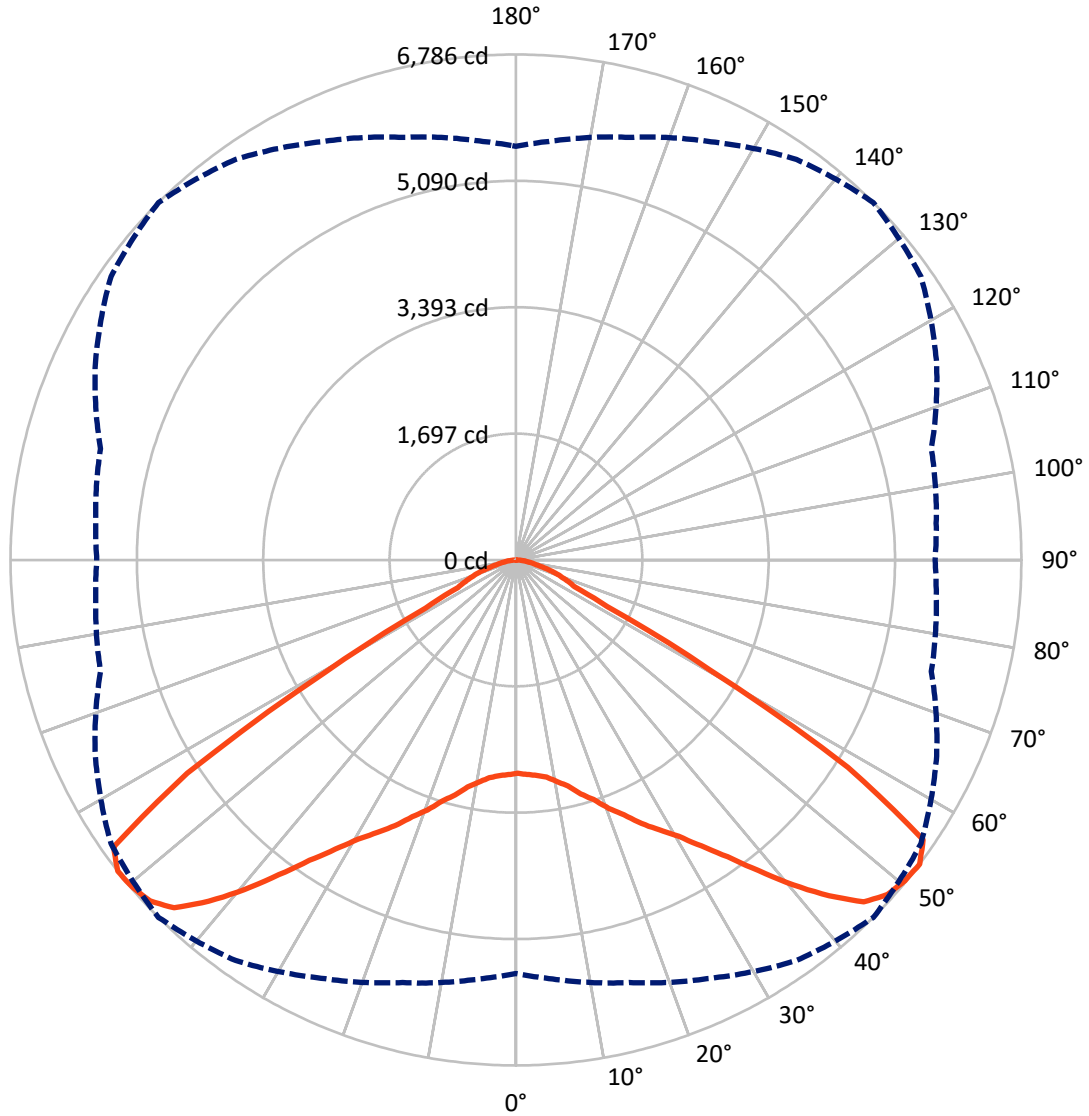
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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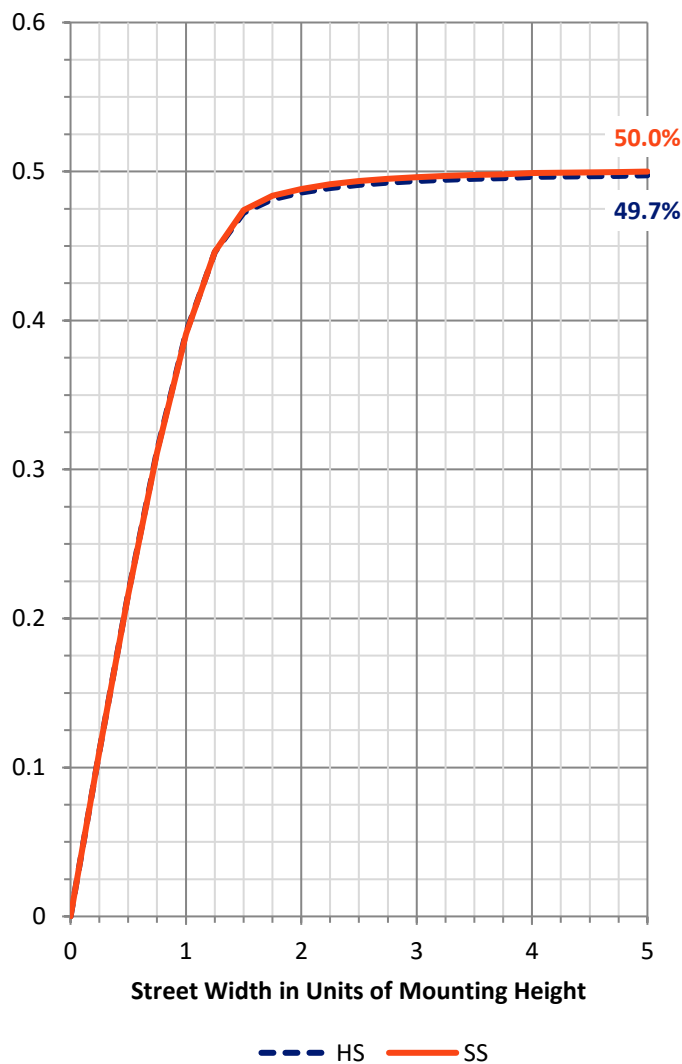
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8565.5	0.0	8565.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8565.5	0.0	8565.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17131.0	0.0	17131.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.3	1.6
10°-20°	924.5	5.4
20°-30°	1760.1	10.3
30°-40°	3022.2	17.6
40°-50°	4645.2	27.1
50°-60°	4717.1	27.5
60°-70°	1314.6	7.7
70°-80°	387.8	2.3
80°-90°	78.1	0.5
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°	17131.0	100.0
0°-180°	17131.0	100.0

**Coefficient of Utilization**



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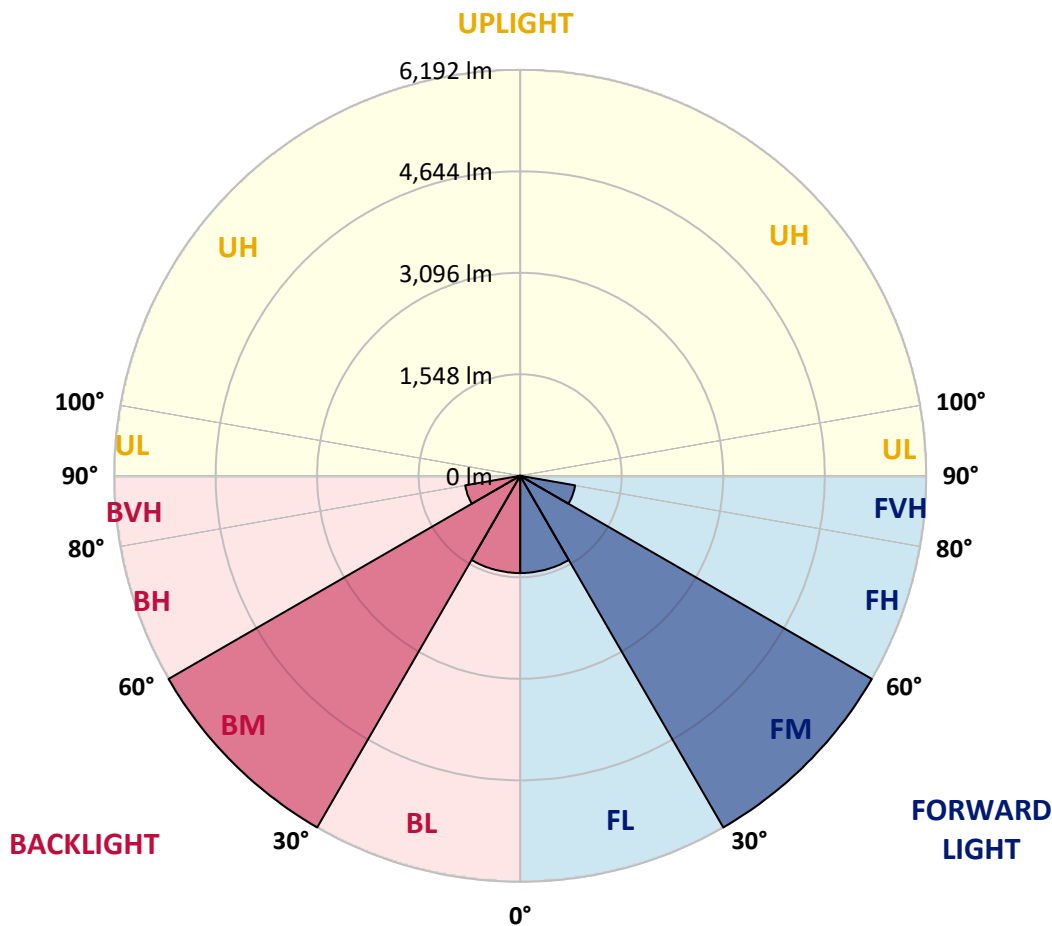
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.0	8.7			
FM (30°-60°)	6192.3	36.1			
FH (60°-80°)	851.2	5.0			G1/1800
FVH (80°-90°)	39.1	0.2			G1/100
BL (0°-30°)	1483.0	8.7	B3/2500		
BM (30°-60°)	6192.3	36.1	B4/8500		
BH (60°-80°)	851.2	5.0	B2/1000		G1/1800
BVH (80°-90°)	39.1	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°	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7	2863.7
2.5°	2870.1	2840.3	2850.9	2857.3	2884.9	2882.8	2876.4	2884.9	2893.4	2895.6	2891.3
5°	2867.9	2846.7	2855.2	2861.5	2889.2	2904.1	2899.8	2936.0	2961.5	2955.1	2987.0
7.5°	2850.9	2863.7	2853.0	2884.9	2908.3	2944.5	2982.7	3016.7	3048.6	3084.8	3091.2
10°	2889.2	2889.2	2908.3	2933.8	2995.5	3023.1	3078.4	3127.3	3188.9	3231.5	3214.5
12.5°	2929.6	2936.0	2936.0	3001.9	3052.9	3114.5	3165.6	3231.5	3318.6	3369.7	3395.2
15°	2970.0	2974.2	2995.5	3084.8	3161.3	3259.1	3305.9	3365.4	3414.3	3510.0	3512.1
17.5°	3006.1	3029.5	3093.3	3193.2	3288.9	3382.4	3456.8	3518.5	3561.0	3599.3	3590.8
20°	3142.2	3159.2	3225.1	3325.0	3467.4	3558.9	3584.4	3595.0	3622.6	3699.2	3675.8
22.5°	3274.0	3280.4	3342.0	3495.1	3595.0	3716.2	3743.8	3737.4	3748.1	3767.2	3801.2
25°	3410.0	3420.7	3505.7	3635.4	3775.7	3920.3	3943.7	3894.8	3879.9	3901.1	3903.3
27.5°	3584.4	3586.5	3694.9	3807.6	3967.0	4103.1	4139.3	4101.0	4030.8	4047.8	4075.5
30°	3805.5	3790.6	3899.0	4060.6	4228.5	4305.1	4366.7	4347.6	4271.1	4256.2	4232.8
32.5°	4060.6	4064.8	4162.6	4339.1	4449.6	4577.2	4643.1	4611.2	4562.3	4536.8	4551.7
35°	4419.9	4439.0	4504.9	4651.6	4830.2	4894.0	4998.1	4930.1	4802.6	4834.4	4862.1
37.5°	4715.4	4770.7	4894.0	5068.3	5174.6	5291.5	5329.8	5238.4	5144.8	5106.6	5198.0
40°	5168.2	5151.2	5287.3	5461.6	5618.9	5735.8	5687.0	5595.5	5363.8	5365.9	5391.4
42.5°	5557.3	5565.8	5669.9	5878.3	6093.0	6165.3	6010.1	5786.9	5529.6	5502.0	5557.3
45°	5884.7	5918.7	5978.2	6256.7	6467.2	6545.8	6258.8	5995.2	5650.8	5536.0	5627.4
47.5°	6001.6	6056.9	6186.6	6441.7	6650.0	6713.8	6484.2	6105.8	5763.5	5576.4	5625.3
50°	6018.6	5999.5	6212.1	6445.9	6628.8	6766.9	6565.0	6186.6	5735.8	5638.1	5623.2
52.5°	5553.0	5646.6	5874.0	6195.1	6565.0	6786.1	6637.3	6231.2	5774.1	5663.6	5627.4
55°	4494.3	4383.7	4798.3	5338.3	6018.6	6633.0	6611.7	6254.6	5797.5	5706.1	5657.2
57.5°	2508.6	2540.5	2774.4	3361.1	4239.2	5259.6	5878.3	6008.0	5786.9	5733.7	5759.2
60°	1160.8	1171.4	1271.3	1545.6	2089.8	2982.7	3797.0	4624.0	5004.5	5081.1	5081.1
62.5°	865.3	861.0	886.5	935.4	1050.2	1371.2	1830.5	2487.4	3010.4	3376.0	3471.7
65°	782.4	780.2	793.0	810.0	818.5	863.1	965.2	1167.2	1337.2	1435.0	1418.0
67.5°	684.6	682.4	686.7	697.3	712.2	735.6	761.1	803.6	863.1	858.9	848.3
70°	552.8	552.8	559.1	567.6	584.6	612.3	642.0	671.8	722.8	733.5	731.3
72.5°	408.2	401.8	414.6	431.6	448.6	482.6	514.5	542.1	578.3	588.9	584.6
75°	259.4	263.6	272.1	291.3	321.0	344.4	378.4	401.8	425.2	433.7	435.8
77.5°	144.6	148.8	163.7	187.1	216.8	242.4	272.1	291.3	306.1	308.3	310.4
80°	87.2	89.3	104.2	125.4	150.9	178.6	202.0	221.1	233.9	227.5	225.4
82.5°	53.1	55.3	68.0	87.2	108.4	129.7	155.2	172.2	185.0	176.5	168.0
85°	27.6	29.8	40.4	53.1	70.2	80.8	80.8	72.3	70.2	65.9	63.8
87.5°	8.5	8.5	10.6	12.8	10.6	12.8	14.9	17.0	17.0	19.1	17.0
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)