

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: P532641

Luminaire Tested: **GALN-SA8A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532641  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20645 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

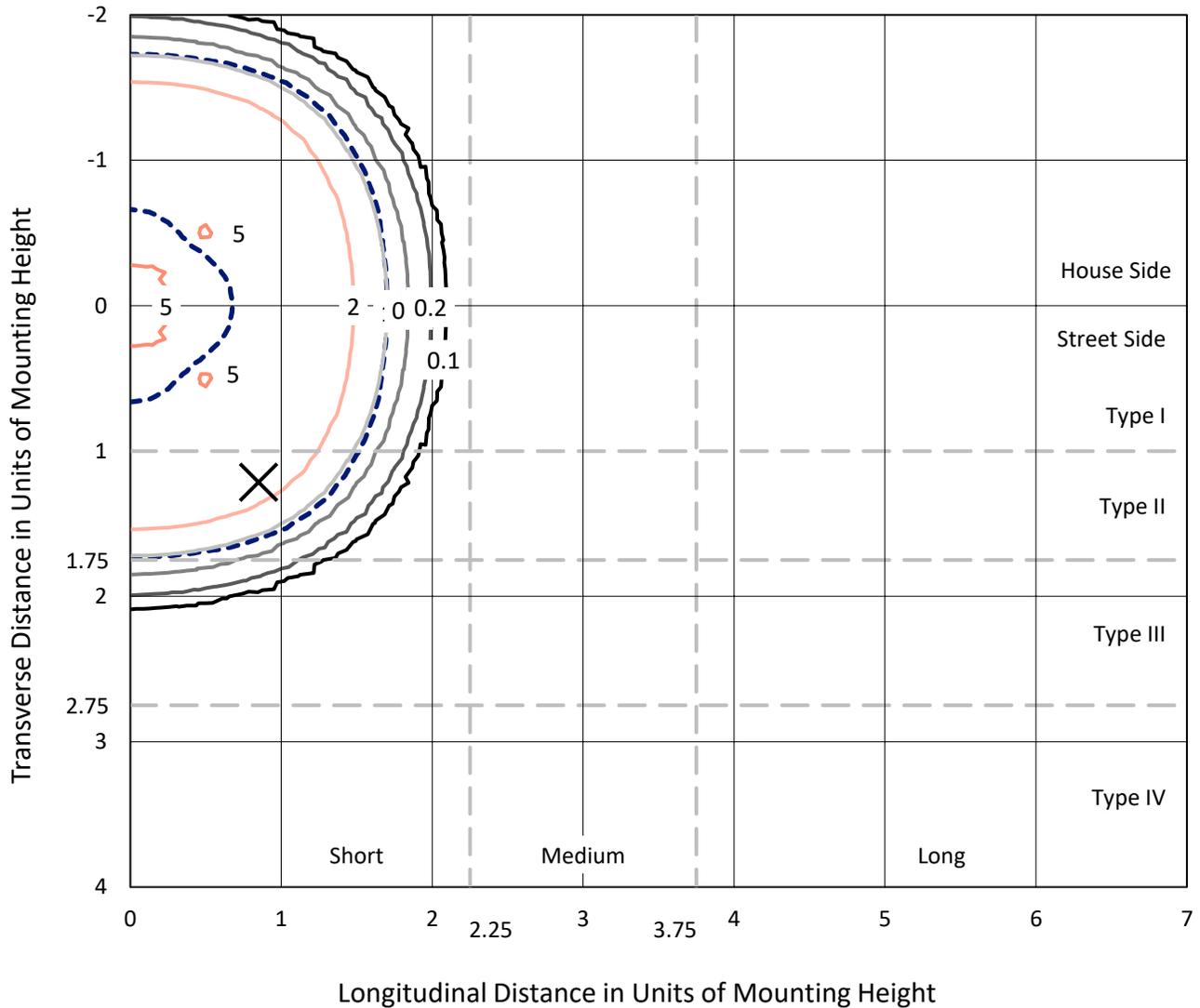
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

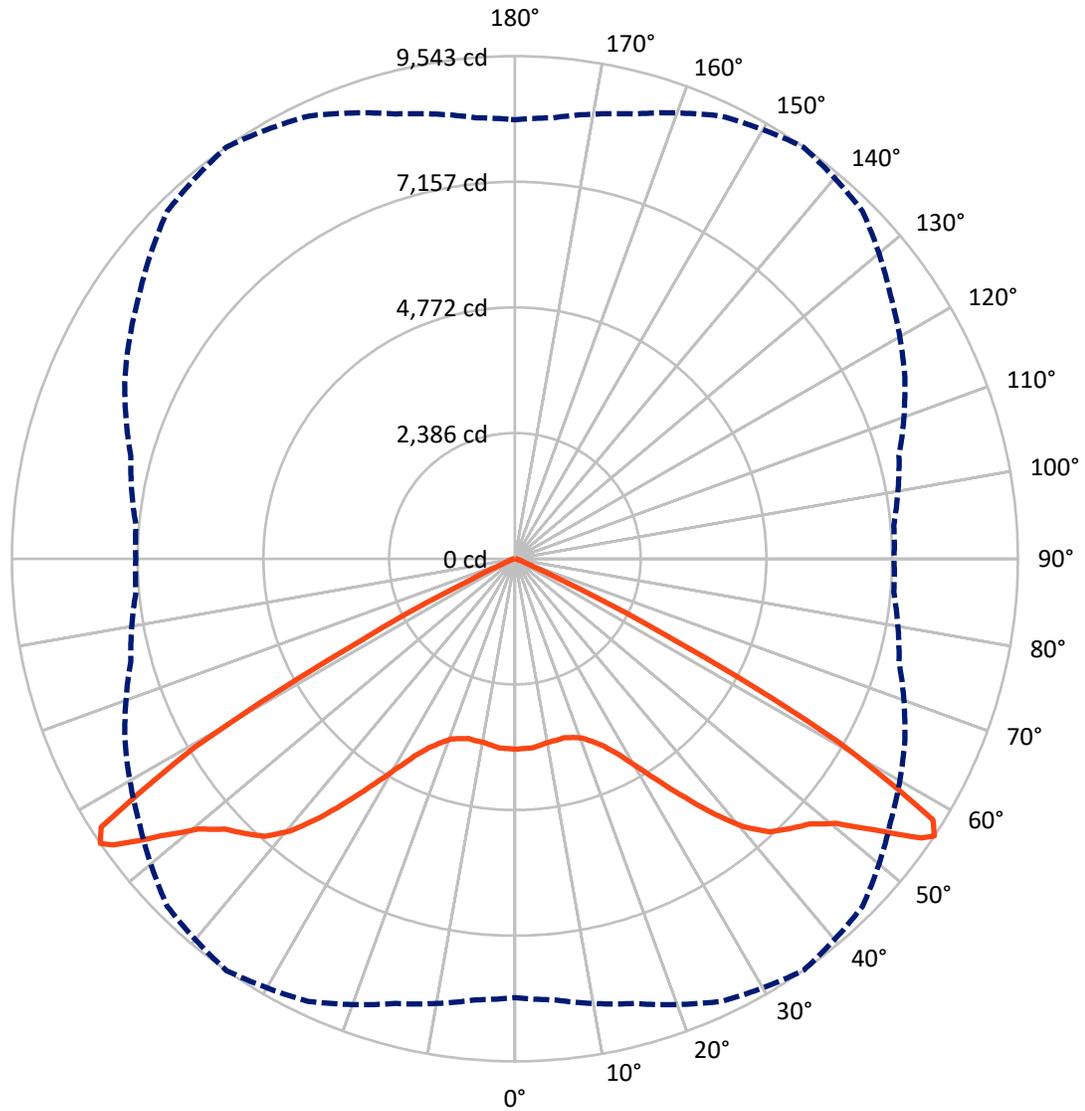
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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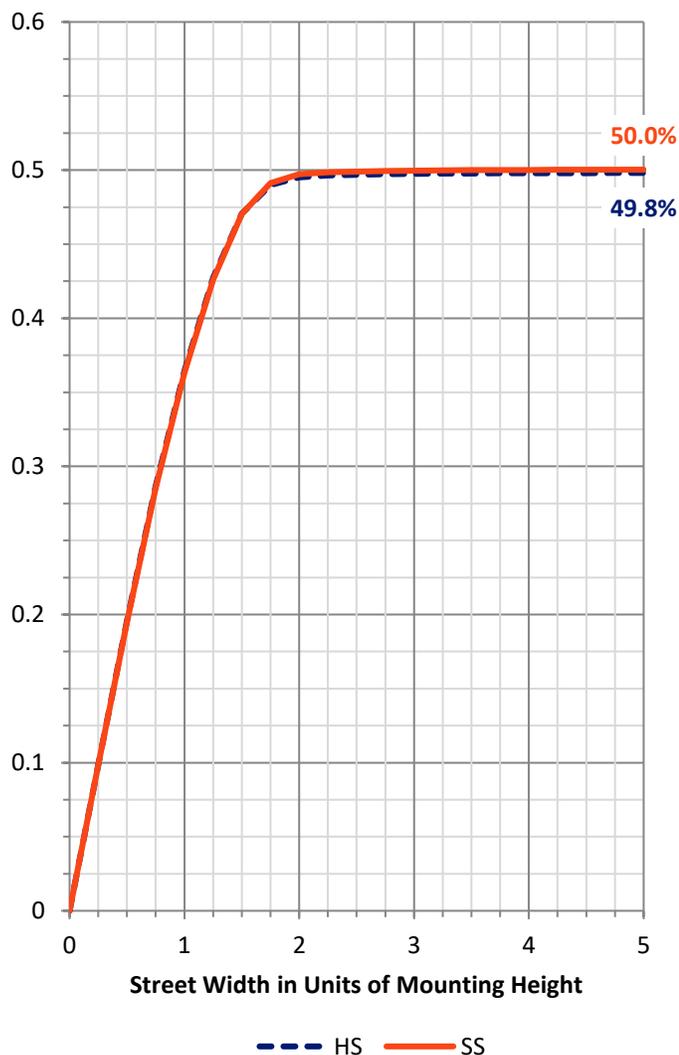
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10322.5	0.0	10322.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10322.5	0.0	10322.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20645.0	0.0	20645.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.0	1.6
10°-20°	992.6	4.8
20°-30°	1797.4	8.7
30°-40°	3333.1	16.1
40°-50°	5471.1	26.5
50°-60°	7048.3	34.1
60°-70°	1553.4	7.5
70°-80°	90.1	0.4
80°-90°	19.0	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°	20645.0	100.0
0°-180°	20645.0	100.0

**Coefficient of Utilization**

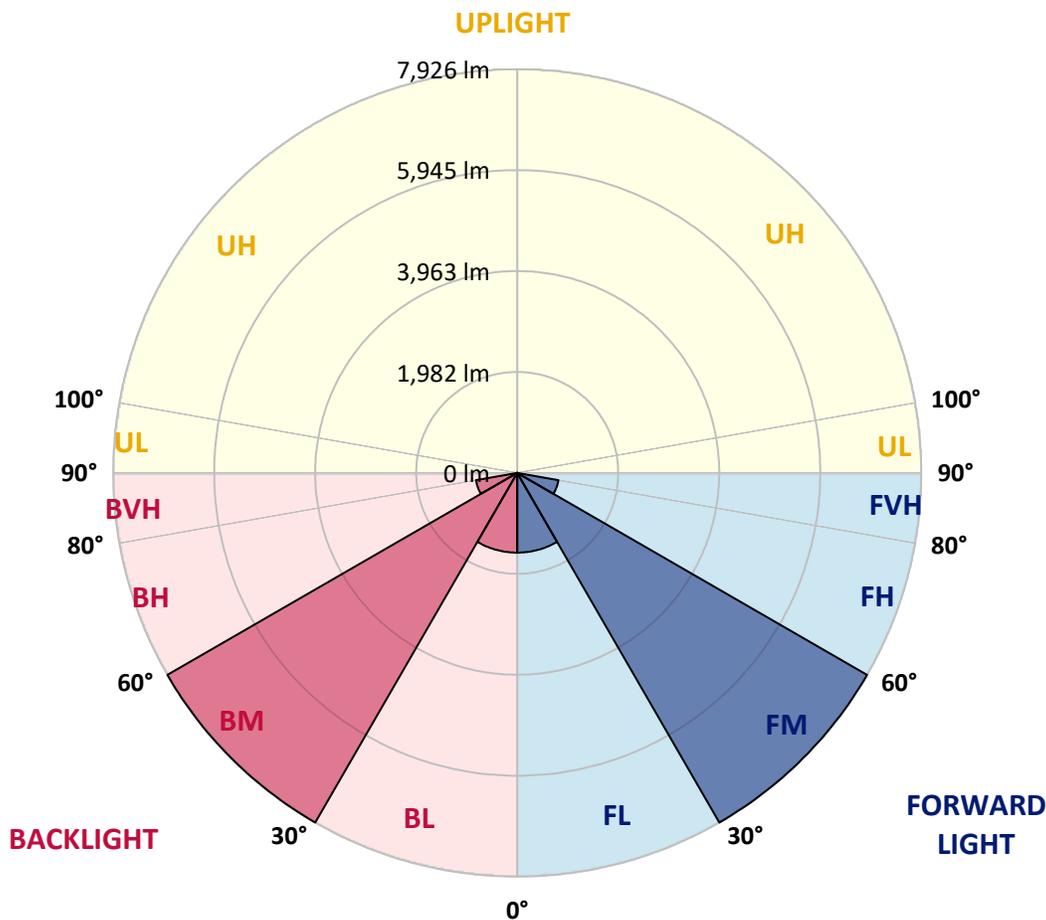


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1565.0	7.6			
FM (30°-60°)	7926.3	38.4			
FH (60°-80°)	821.8	4.0			G1/1800
FVH (80°-90°)	9.5	0.0			G0/10
BL (0°-30°)	1565.0	7.6	B3/2500		
BM (30°-60°)	7926.3	38.4	B4/8500		
BH (60°-80°)	821.8	4.0	B2/1000		G1/1800
BVH (80°-90°)	9.5	0.0			G0/10
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°	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4	3617.4
2.5°	3624.9	3624.9	3628.7	3632.4	3606.2	3595.0	3598.7	3591.3	3587.5	3598.7	3598.7
5°	3613.7	3613.7	3602.5	3606.2	3606.2	3572.6	3572.6	3580.0	3580.0	3557.6	3550.1
7.5°	3583.8	3576.3	3561.3	3580.0	3568.8	3568.8	3542.6	3523.9	3516.4	3531.4	3516.4
10°	3520.2	3523.9	3538.9	3546.4	3538.9	3561.3	3516.4	3490.3	3464.1	3452.8	3452.8
12.5°	3490.3	3512.7	3490.3	3509.0	3535.1	3516.4	3490.3	3471.6	3434.1	3419.2	3419.2
15°	3486.5	3501.5	3509.0	3535.1	3523.9	3531.4	3479.0	3456.6	3400.5	3374.3	3363.1
17.5°	3482.8	3501.5	3512.7	3561.3	3568.8	3572.6	3531.4	3464.1	3415.4	3389.3	3363.1
20°	3523.9	3531.4	3553.9	3602.5	3632.4	3684.8	3610.0	3538.9	3434.1	3404.2	3393.0
22.5°	3576.3	3613.7	3636.2	3688.5	3767.1	3812.0	3714.7	3624.9	3516.4	3479.0	3434.1
25°	3744.6	3737.2	3774.6	3883.1	3946.6	3980.3	3901.8	3770.8	3628.7	3583.8	3591.3
27.5°	3954.1	3961.6	3995.3	4115.0	4208.5	4260.9	4167.4	3995.3	3856.9	3782.0	3774.6
30°	4227.2	4219.7	4257.1	4418.0	4586.3	4664.9	4500.3	4298.3	4163.6	4066.4	4088.8
32.5°	4515.3	4519.0	4623.7	4769.6	5042.7	5196.1	4930.5	4683.6	4481.6	4414.3	4380.6
35°	4941.7	4960.4	5042.7	5267.2	5570.2	5768.5	5476.7	5181.1	4949.2	4825.8	4840.7
37.5°	5469.2	5450.5	5588.9	5832.1	6150.0	6295.9	6049.0	5712.4	5476.7	5394.4	5446.7
40°	6030.3	6049.0	6120.1	6340.8	6696.2	6793.5	6426.9	6243.6	6037.8	5996.7	6060.3
42.5°	6591.5	6580.2	6632.6	6830.9	7089.0	7021.7	6804.7	6696.2	6550.3	6468.0	6554.1
45°	7003.0	6984.3	7081.5	7216.2	7309.7	7182.5	7085.3	7047.9	6973.0	6883.3	6961.8
47.5°	7403.2	7388.3	7481.8	7519.2	7526.7	7358.3	7377.1	7444.4	7257.3	7070.3	7160.1
50°	7743.7	7717.5	7833.4	7915.7	7897.0	7627.7	7695.0	7627.7	7335.9	7115.2	7081.5
52.5°	8312.3	8323.5	8446.9	8596.6	8551.7	8327.2	8230.0	7923.2	7549.1	7350.9	7234.9
55°	8671.4	8615.3	8828.5	9303.6	9356.0	9124.0	8693.8	8241.2	7680.1	7436.9	7407.0
56°	8334.7	8405.8	8742.5	9273.7	9543.0	9329.8	8705.1	8162.6	7545.4	7216.2	7193.7
57.5°	7478.1	7440.6	7897.0	8622.8	9356.0	9266.2	8398.3	7601.5	6883.3	6512.9	6468.0
60°	4653.7	4762.2	5162.4	6060.3	7040.4	7085.3	6224.9	5540.3	4702.3	4373.1	4451.7
62.5°	1821.8	1728.3	1978.9	2648.6	3321.9	3471.6	3146.1	2614.9	2147.3	1821.8	1799.4
65°	422.7	411.5	463.9	639.7	894.1	1036.2	983.9	707.0	520.0	493.8	456.4
67.5°	239.4	239.4	228.2	228.2	250.6	265.6	254.4	250.6	261.9	273.1	269.3
70°	168.3	164.6	157.1	160.9	153.4	153.4	164.6	183.3	198.3	198.3	202.0
72.5°	101.0	101.0	101.0	112.2	112.2	112.2	123.4	138.4	142.2	138.4	134.7
75°	44.9	44.9	52.4	63.6	71.1	74.8	86.0	93.5	101.0	93.5	86.0
77.5°	11.2	11.2	18.7	26.2	33.7	41.1	56.1	67.3	71.1	67.3	56.1
80°	3.7	3.7	7.5	18.7	33.7	41.1	56.1	59.9	63.6	56.1	44.9
82.5°	3.7	3.7	7.5	18.7	26.2	33.7	44.9	52.4	56.1	48.6	44.9
85°	0.0	3.7	7.5	15.0	22.4	29.9	29.9	22.4	18.7	11.2	15.0
87.5°	0.0	0.0	3.7	3.7	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)