

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: P528434

Luminaire Tested: **GALN-SA3C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528434  
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-SA3C-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA 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: 16586 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

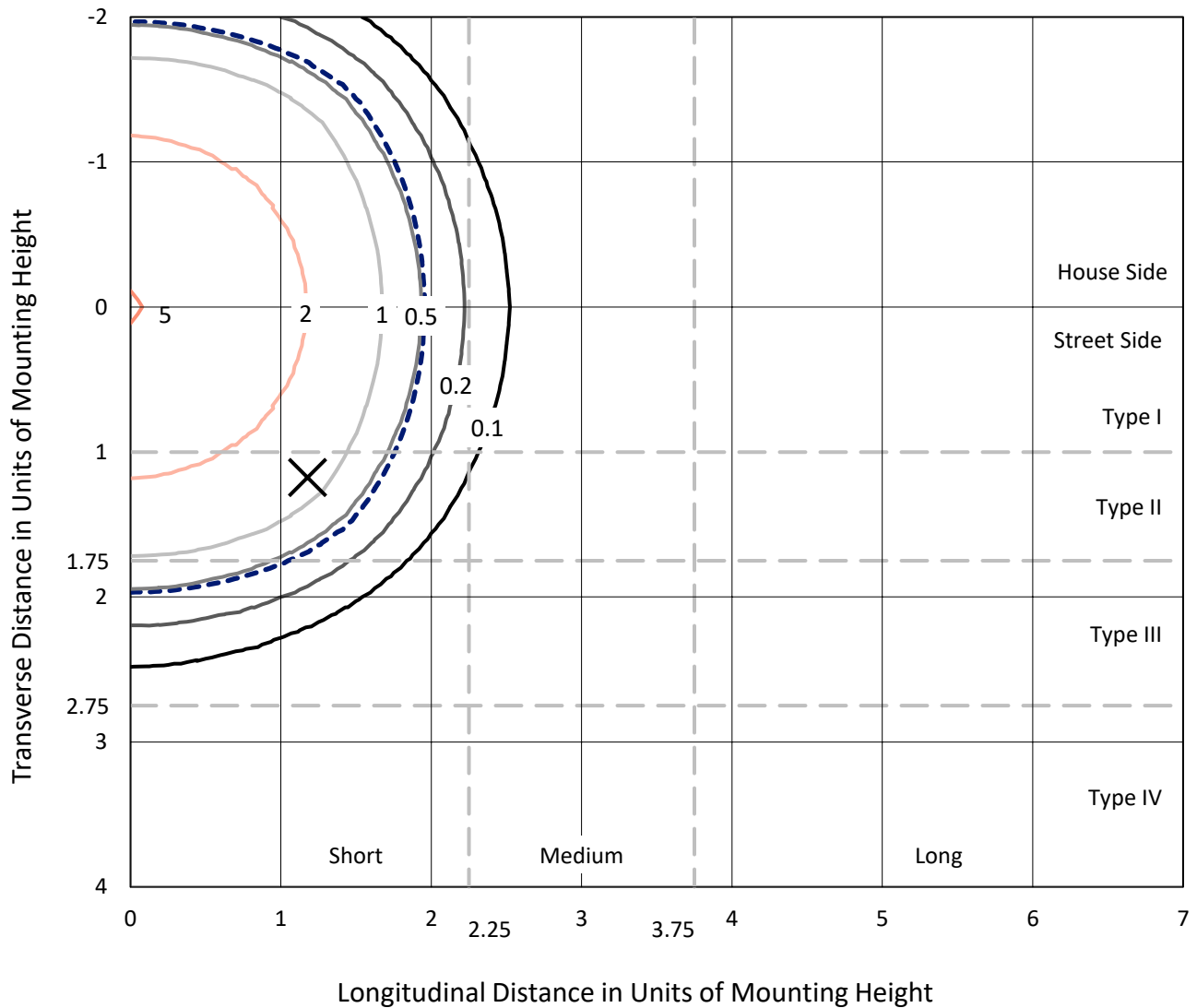
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

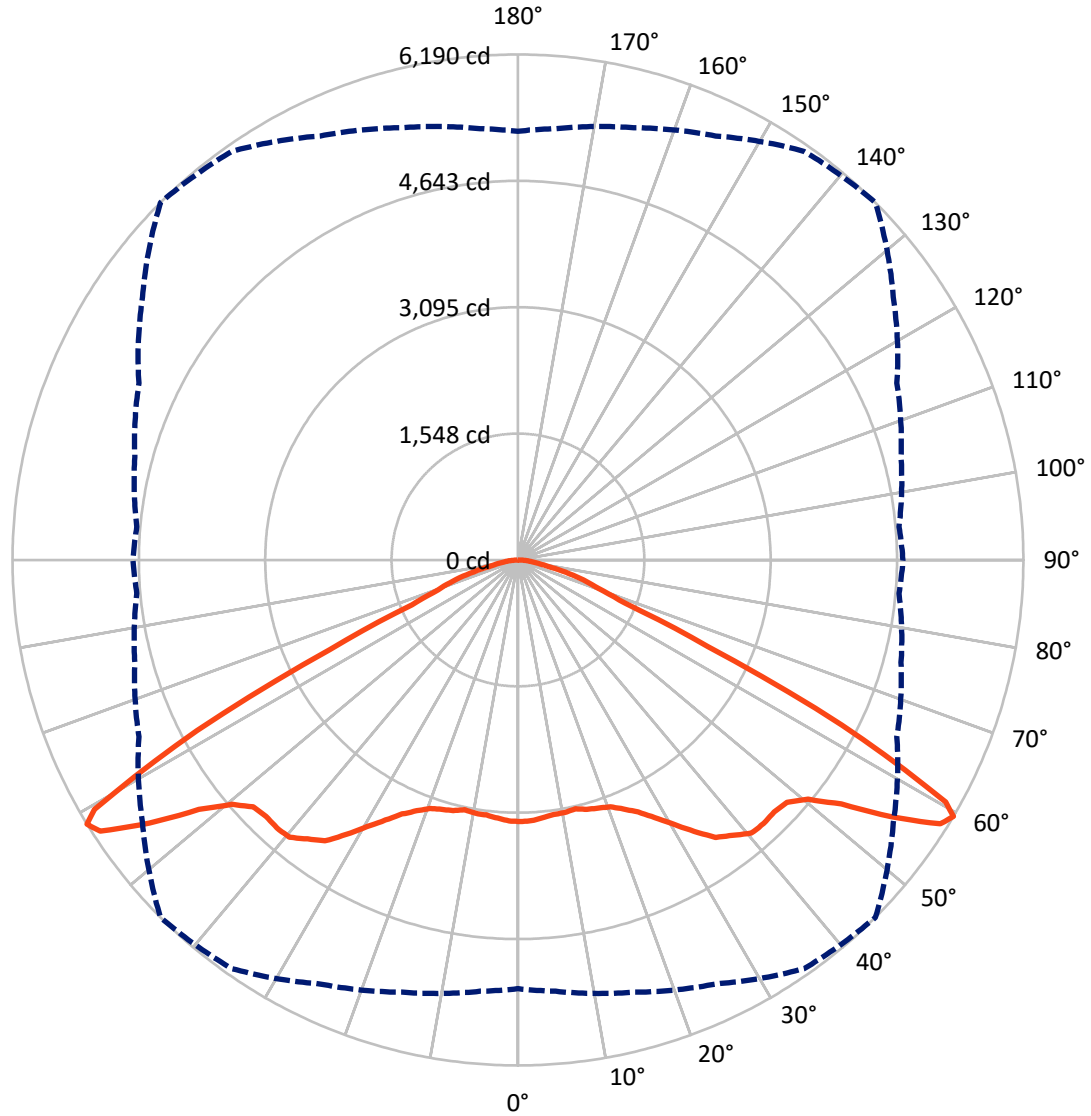
✕ Max cd  
 - - - 1/2 Max cd



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 59-Deg Vertical

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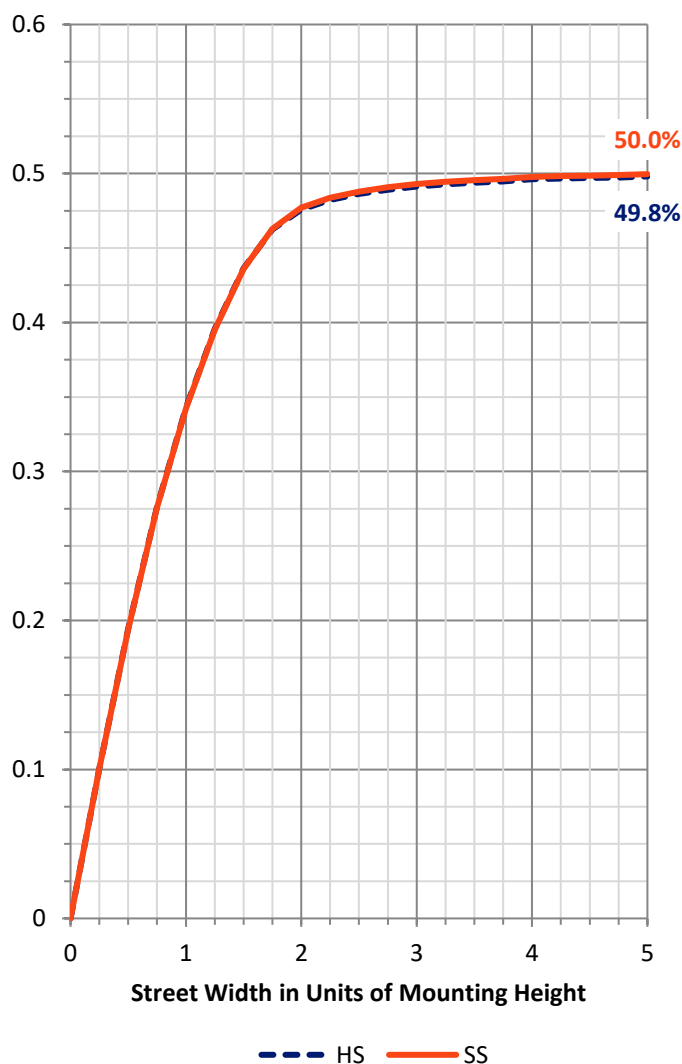
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8293.0	0.0	8293.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8293.0	0.0	8293.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16586.0	0.0	16586.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.0	1.8
10°-20°	898.1	5.4
20°-30°	1568.2	9.5
30°-40°	2504.6	15.1
40°-50°	3411.8	20.6
50°-60°	4613.6	27.8
60°-70°	2530.1	15.3
70°-80°	647.3	3.9
80°-90°	110.4	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°	16586.0	100.0
0°-180°	16586.0	100.0

**Coefficient of Utilization**

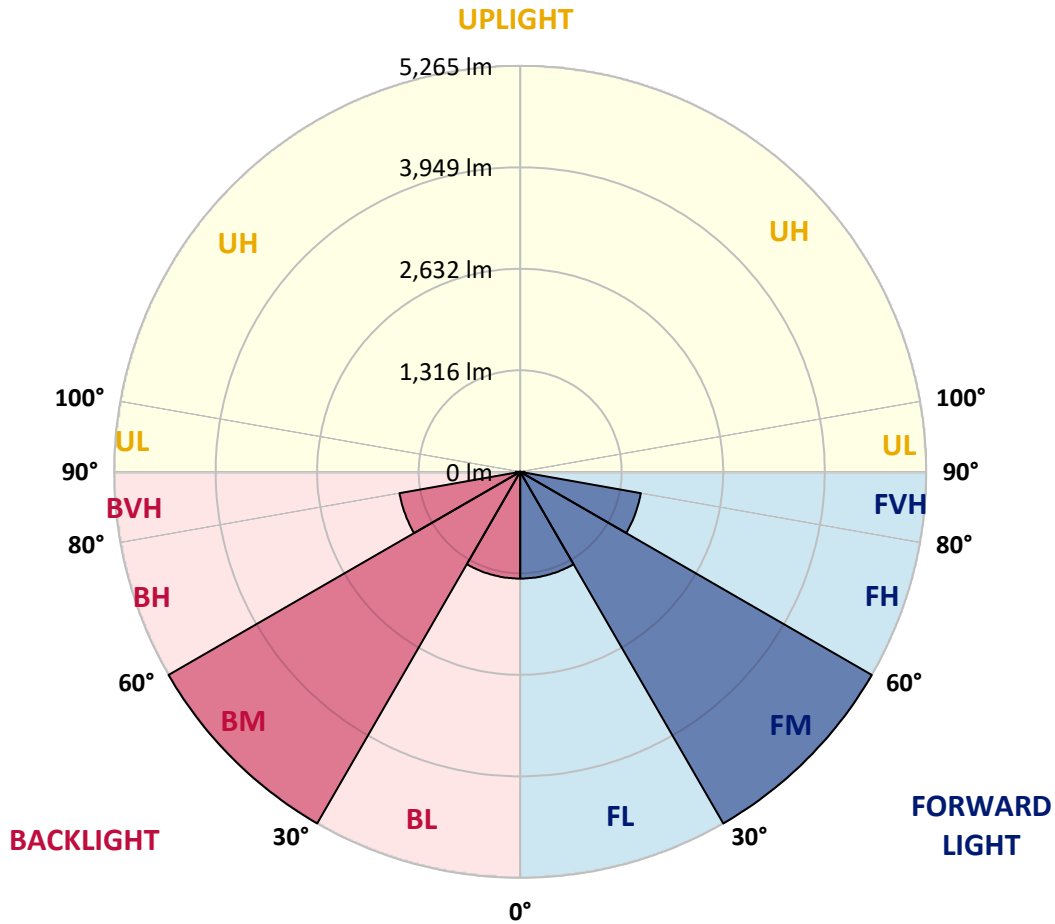


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.1	8.3			
FM (30°-60°)	5265.0	31.7			
FH (60°-80°)	1588.7	9.6			G1/1800
FVH (80°-90°)	55.2	0.3			G1/100
BL (0°-30°)	1384.1	8.3	B3/2500		
BM (30°-60°)	5265.0	31.7	B4/8500		
BH (60°-80°)	1588.7	9.6	B3/2500		G1/1800
BVH (80°-90°)	55.2	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°	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6	3203.6
2.5°	3184.5	3207.9	3190.9	3205.7	3203.6	3197.2	3186.6	3180.2	3171.7	3184.5	3163.2
5°	3171.7	3190.9	3210.0	3184.5	3184.5	3171.7	3165.4	3152.6	3152.6	3150.5	3148.4
7.5°	3193.0	3173.9	3165.4	3169.6	3173.9	3146.2	3165.4	3139.8	3118.6	3133.5	3150.5
10°	3173.9	3182.4	3150.5	3165.4	3142.0	3146.2	3133.5	3150.5	3127.1	3127.1	3127.1
12.5°	3193.0	3169.6	3180.2	3169.6	3163.2	3127.1	3144.1	3125.0	3122.8	3144.1	3125.0
15°	3231.3	3193.0	3184.5	3163.2	3169.6	3169.6	3152.6	3154.7	3131.3	3144.1	3148.4
17.5°	3218.5	3197.2	3190.9	3165.4	3186.6	3193.0	3161.1	3139.8	3154.7	3152.6	3150.5
20°	3229.1	3237.6	3231.3	3235.5	3244.0	3227.0	3197.2	3167.5	3148.4	3176.0	3173.9
22.5°	3297.2	3288.7	3284.4	3280.2	3295.0	3312.0	3271.6	3224.9	3224.9	3244.0	3252.5
25°	3352.4	3350.3	3348.2	3367.3	3418.3	3418.3	3367.3	3307.8	3292.9	3305.7	3295.0
27.5°	3433.2	3456.6	3448.1	3482.1	3556.5	3573.5	3505.5	3435.3	3394.9	3380.1	3399.2
30°	3618.2	3590.5	3596.9	3633.0	3698.9	3754.2	3650.0	3575.6	3520.4	3518.2	3526.7
32.5°	3741.5	3762.7	3781.8	3815.9	3920.0	3962.5	3837.1	3715.9	3681.9	3662.8	3669.2
35°	3988.1	3968.9	3964.7	3998.7	4102.8	4173.0	4015.7	3909.4	3864.8	3907.3	3907.3
37.5°	4221.9	4168.7	4128.4	4173.0	4268.7	4277.2	4143.2	4085.8	4062.5	4111.4	4109.2
40°	4332.4	4328.2	4234.6	4260.2	4387.7	4400.5	4275.0	4207.0	4202.8	4266.5	4330.3
42.5°	4447.2	4406.8	4313.3	4330.3	4409.0	4413.2	4294.2	4275.0	4321.8	4383.5	4387.7
45°	4466.4	4432.4	4372.8	4330.3	4387.7	4400.5	4330.3	4343.1	4347.3	4421.7	4421.7
47.5°	4504.6	4500.4	4466.4	4434.5	4445.1	4434.5	4389.8	4409.0	4472.7	4508.9	4491.9
50°	4610.9	4566.3	4600.3	4572.7	4574.8	4604.5	4564.2	4583.3	4570.5	4538.6	4517.4
52.5°	4844.8	4823.5	4853.3	4872.4	4893.7	4961.7	4914.9	4812.9	4717.2	4632.2	4630.1
55°	5187.0	5201.9	5259.3	5357.1	5440.0	5548.4	5323.1	5078.6	4925.5	4791.6	4800.1
57.5°	5510.1	5499.5	5578.2	5801.4	6043.7	6099.0	5656.8	5308.2	5059.5	4974.4	4938.3
59°	5250.8	5301.8	5480.4	5729.1	6109.6	6190.4	5612.2	5121.1	4857.5	4685.3	4715.1
60°	4842.6	4861.8	5021.2	5367.7	5882.2	6020.3	5312.4	4832.0	4481.2	4381.3	4426.0
62.5°	3422.6	3407.7	3522.5	3805.2	4266.5	4453.6	3949.8	3611.8	3390.7	3280.2	3305.7
65°	1819.7	1887.7	1934.5	2110.9	2355.4	2553.1	2344.8	2198.1	2074.8	1983.4	1981.3
67.5°	1228.7	1220.2	1230.9	1271.2	1354.2	1409.4	1405.2	1330.8	1320.1	1303.1	1322.3
70°	1035.3	1031.0	1011.9	1011.9	1028.9	1041.7	1056.5	1065.0	1082.0	1103.3	1101.2
72.5°	839.7	829.1	816.3	809.9	831.2	837.6	856.7	865.2	880.1	878.0	897.1
75°	554.8	554.8	569.7	586.7	593.1	605.9	608.0	633.5	633.5	637.7	620.7
77.5°	310.4	301.9	312.5	329.5	344.4	367.8	391.2	410.3	420.9	416.7	416.7
80°	180.7	180.7	191.3	210.5	229.6	250.8	267.9	282.7	293.4	289.1	280.6
82.5°	112.7	112.7	123.3	142.4	157.3	170.1	193.5	212.6	225.3	221.1	210.5
85°	57.4	57.4	70.2	82.9	102.0	110.5	108.4	99.9	97.8	87.2	87.2
87.5°	14.9	14.9	21.3	23.4	19.1	21.3	21.3	21.3	21.3	21.3	23.4
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)