

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: P528430

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17257 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

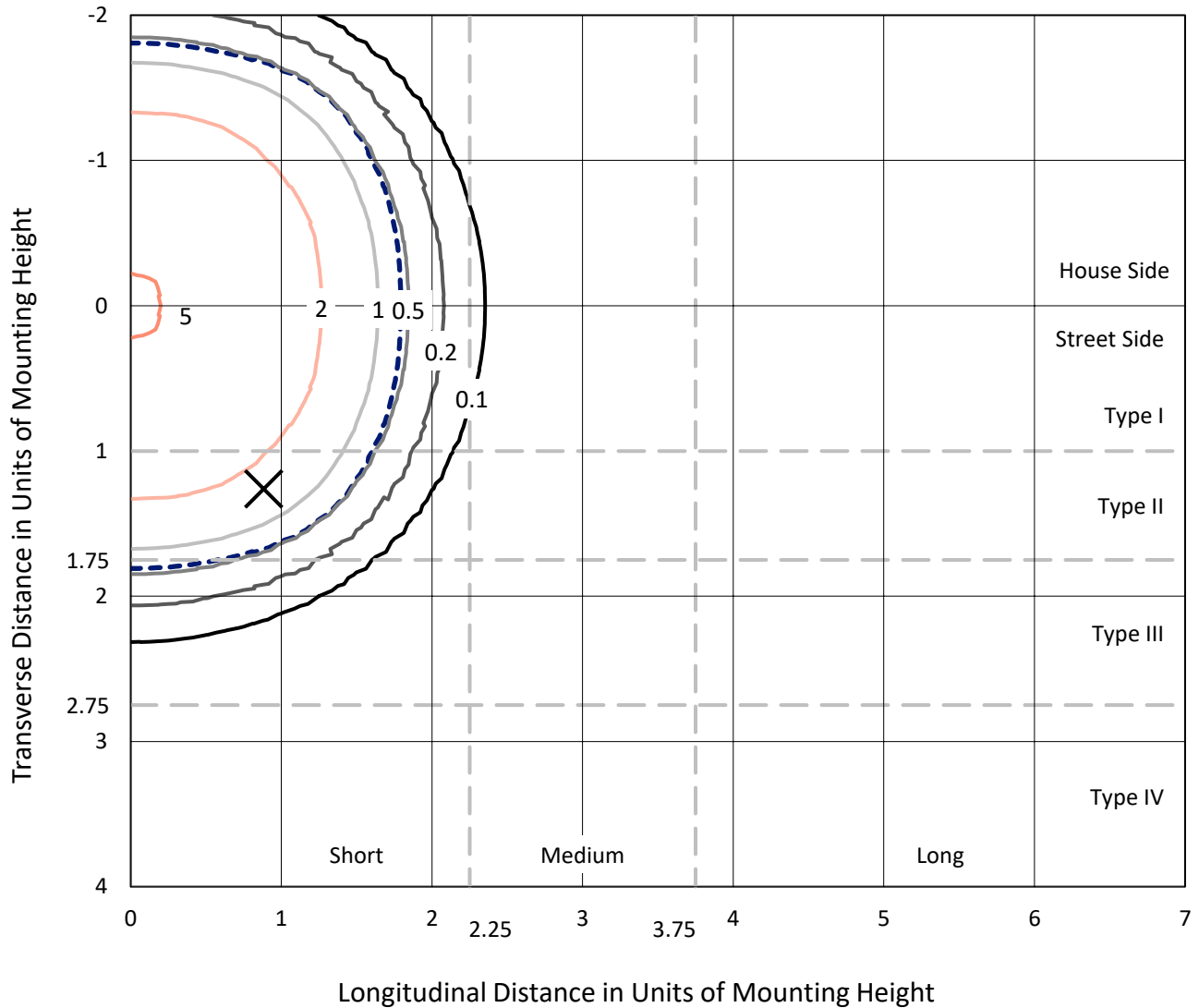
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

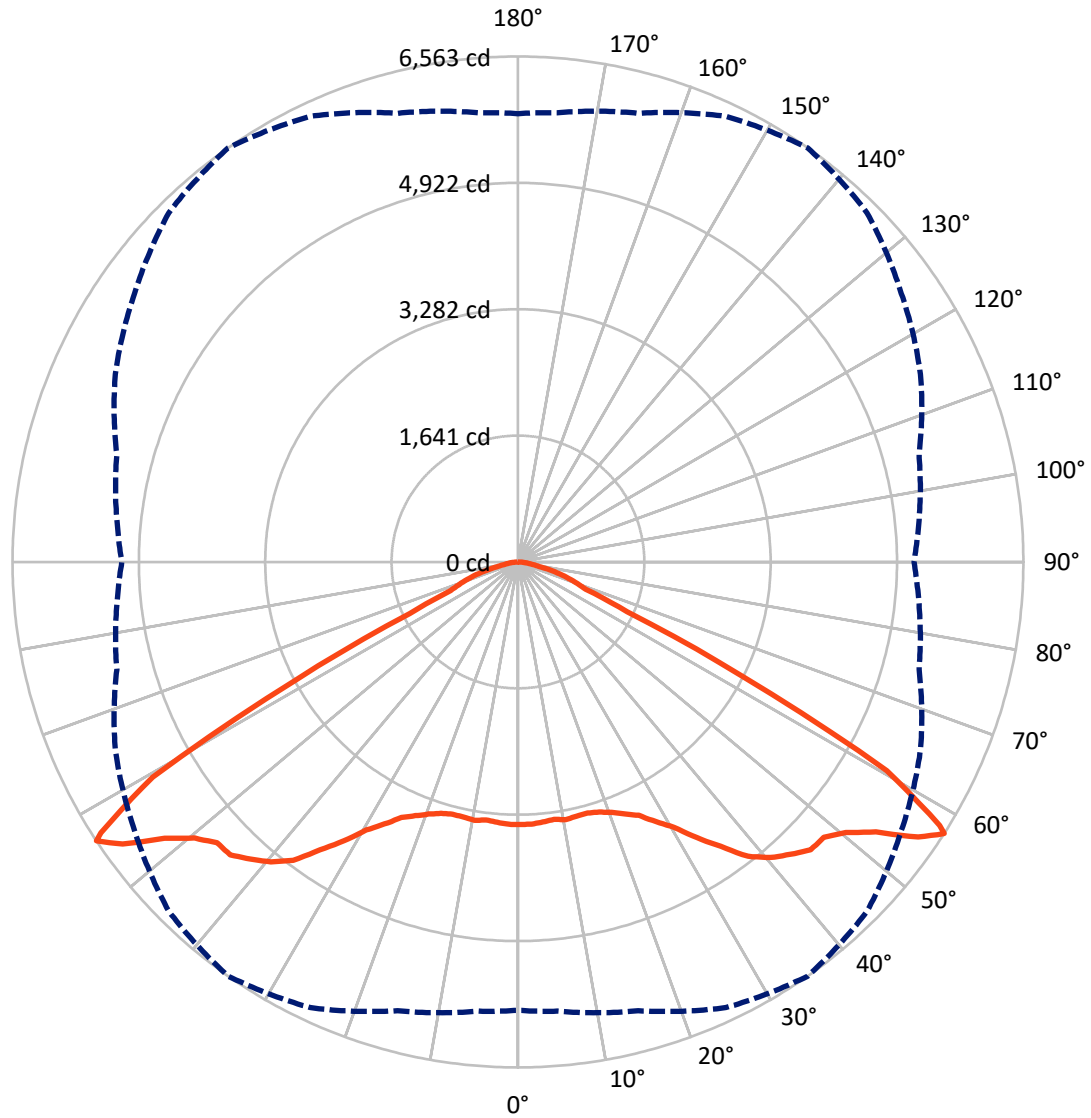
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8628.5	0.0	8628.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8628.5	0.0	8628.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17257.0	0.0	17257.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.1	1.9
10°-20°	956.9	5.5
20°-30°	1671.3	9.7
30°-40°	2738.4	15.9
40°-50°	4015.2	23.3
50°-60°	5057.5	29.3
60°-70°	1902.1	11.0
70°-80°	505.8	2.9
80°-90°	86.7	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°	17257.0	100.0
0°-180°	17257.0	100.0

**Coefficient of Utilization**



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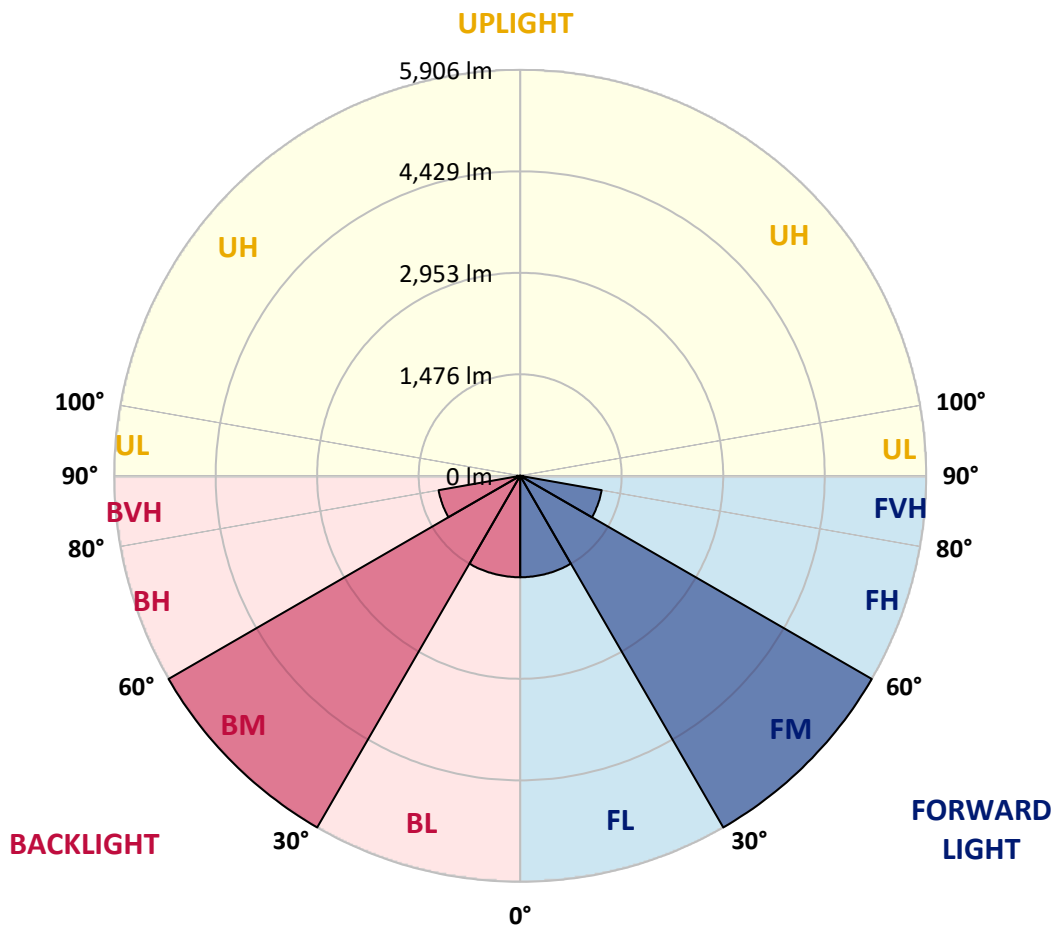
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1475.7	8.6			
FM (30°-60°)	5905.6	34.2			
FH (60°-80°)	1203.9	7.0			G1/1800
FVH (80°-90°)	43.4	0.3			G1/100
BL (0°-30°)	1475.7	8.6	B3/2500		
BM (30°-60°)	5905.6	34.2	B4/8500		
BH (60°-80°)	1203.9	7.0	B3/2500		G1/1800
BVH (80°-90°)	43.4	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°	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1	3408.1
2.5°	3391.1	3425.1	3410.3	3401.8	3408.1	3397.5	3380.5	3399.6	3395.4	3378.4	3372.0
5°	3382.6	3408.1	3391.1	3408.1	3391.1	3420.9	3412.4	3380.5	3418.8	3382.6	3395.4
7.5°	3376.2	3384.7	3389.0	3380.5	3374.1	3410.3	3391.1	3376.2	3355.0	3348.6	3359.2
10°	3361.4	3382.6	3350.7	3393.2	3401.8	3376.2	3376.2	3348.6	3331.6	3321.0	3357.1
12.5°	3399.6	3363.5	3359.2	3380.5	3386.9	3397.5	3367.7	3352.9	3321.0	3325.2	3318.8
15°	3355.0	3369.9	3372.0	3376.2	3382.6	3408.1	3380.5	3348.6	3335.8	3291.2	3295.4
17.5°	3372.0	3357.1	3372.0	3420.9	3412.4	3431.5	3401.8	3352.9	3323.1	3297.6	3331.6
20°	3401.8	3395.4	3401.8	3461.3	3471.9	3488.9	3463.4	3418.8	3361.4	3331.6	3348.6
22.5°	3433.6	3429.4	3433.6	3491.0	3552.7	3574.0	3548.5	3444.3	3414.5	3359.2	3340.1
25°	3491.0	3495.3	3539.9	3603.7	3644.1	3684.5	3637.7	3563.3	3467.7	3433.6	3393.2
27.5°	3618.6	3629.2	3654.8	3748.3	3818.5	3854.6	3788.7	3686.6	3627.1	3557.0	3546.3
30°	3775.9	3775.9	3820.6	3901.4	3997.1	4052.3	3971.5	3850.4	3778.1	3739.8	3716.4
32.5°	3984.3	3960.9	3977.9	4120.4	4269.2	4316.0	4207.5	4058.7	3943.9	3892.9	3875.9
35°	4162.9	4177.8	4216.0	4369.1	4535.0	4643.4	4473.3	4279.8	4162.9	4116.1	4107.6
37.5°	4394.6	4420.2	4439.3	4649.8	4849.6	4890.0	4726.3	4571.1	4428.7	4390.4	4369.1
40°	4722.1	4705.0	4711.4	4866.6	5047.3	5072.9	4911.3	4800.7	4683.8	4660.4	4660.4
42.5°	4992.1	4972.9	4994.2	5051.6	5189.8	5170.7	5081.4	5000.6	4951.7	4926.2	4951.7
45°	5155.8	5151.5	5189.8	5232.3	5330.1	5266.3	5196.2	5208.9	5162.2	5119.6	5117.5
47.5°	5334.4	5306.7	5353.5	5417.3	5342.9	5313.1	5308.9	5336.5	5321.6	5247.2	5223.8
50°	5421.5	5410.9	5485.3	5559.7	5519.3	5451.3	5466.2	5510.8	5319.5	5219.6	5162.2
52.5°	5655.4	5657.5	5800.0	5840.4	5823.4	5723.4	5755.3	5634.2	5408.8	5268.5	5274.8
55°	6023.2	6008.3	6167.8	6286.9	6306.0	6178.4	6025.4	5855.3	5572.5	5430.0	5387.5
57°	5821.2	5855.3	6031.7	6384.7	6563.3	6412.3	6078.5	5768.1	5391.8	5219.6	5143.0
57.5°	5551.2	5606.5	5912.7	6267.7	6454.8	6442.1	6012.6	5606.5	5270.6	5002.7	5009.1
60°	4067.2	4077.9	4354.2	4917.7	5502.3	5515.1	4992.1	4454.2	4080.0	3788.7	3829.1
62.5°	2145.2	2194.1	2304.7	2757.5	3263.6	3386.9	3070.1	2793.7	2470.5	2249.4	2270.7
65°	1135.3	1129.0	1182.1	1309.7	1558.4	1622.2	1579.7	1360.7	1248.0	1211.9	1214.0
67.5°	922.7	933.4	927.0	933.4	950.4	978.0	971.6	980.1	986.5	997.1	995.0
70°	782.4	782.4	786.7	788.8	788.8	801.5	816.4	844.1	846.2	856.8	861.1
72.5°	616.6	612.3	618.7	633.6	635.7	646.3	667.6	684.6	691.0	691.0	678.2
75°	418.8	423.1	431.6	444.4	457.1	476.2	493.3	503.9	508.1	501.8	495.4
77.5°	236.0	240.2	246.6	265.8	280.6	297.7	316.8	327.4	338.0	340.2	327.4
80°	140.3	140.3	151.0	165.8	182.8	199.9	216.9	229.6	233.9	233.9	227.5
82.5°	85.0	87.2	95.7	110.6	125.4	136.1	151.0	161.6	170.1	168.0	163.7
85°	44.6	44.6	53.2	65.9	76.5	87.2	87.2	80.8	76.5	65.9	61.7
87.5°	14.9	12.8	17.0	17.0	14.9	17.0	17.0	19.1	19.1	19.1	19.1
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)