

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: P532121

Luminaire Tested: **GALN-SA7C-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532121  
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-SA7C-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 1050mA 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: 24578 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

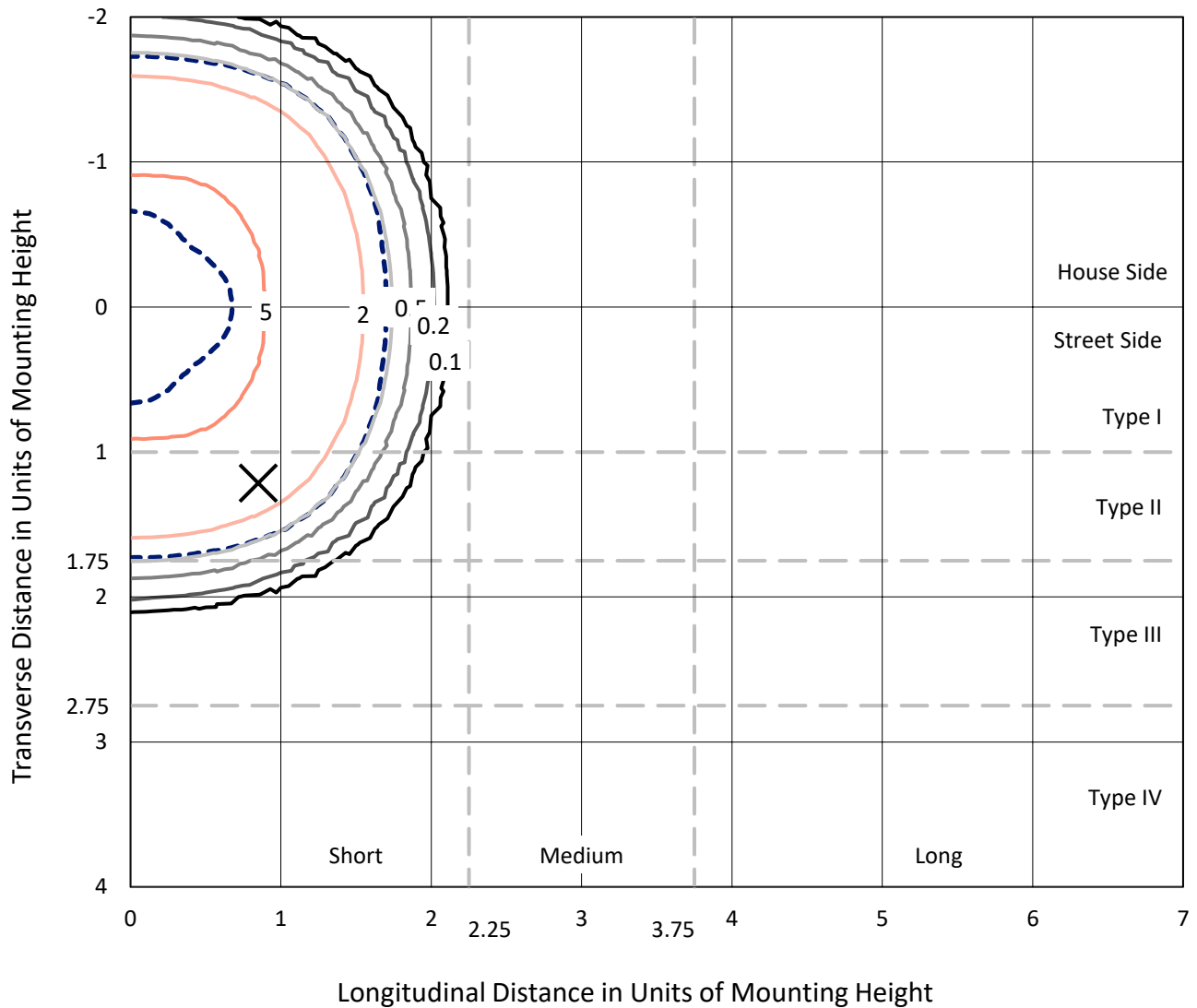
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

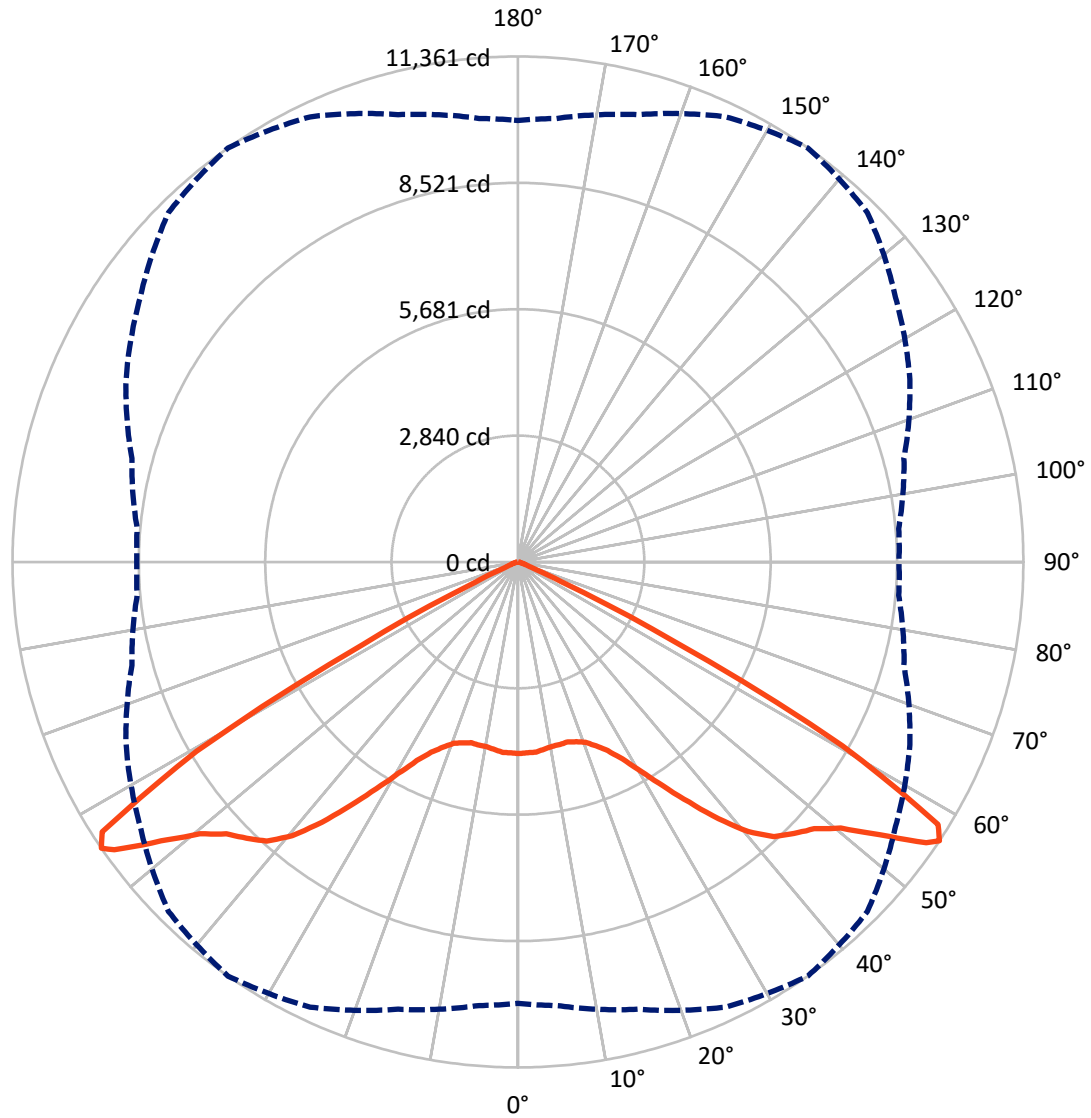
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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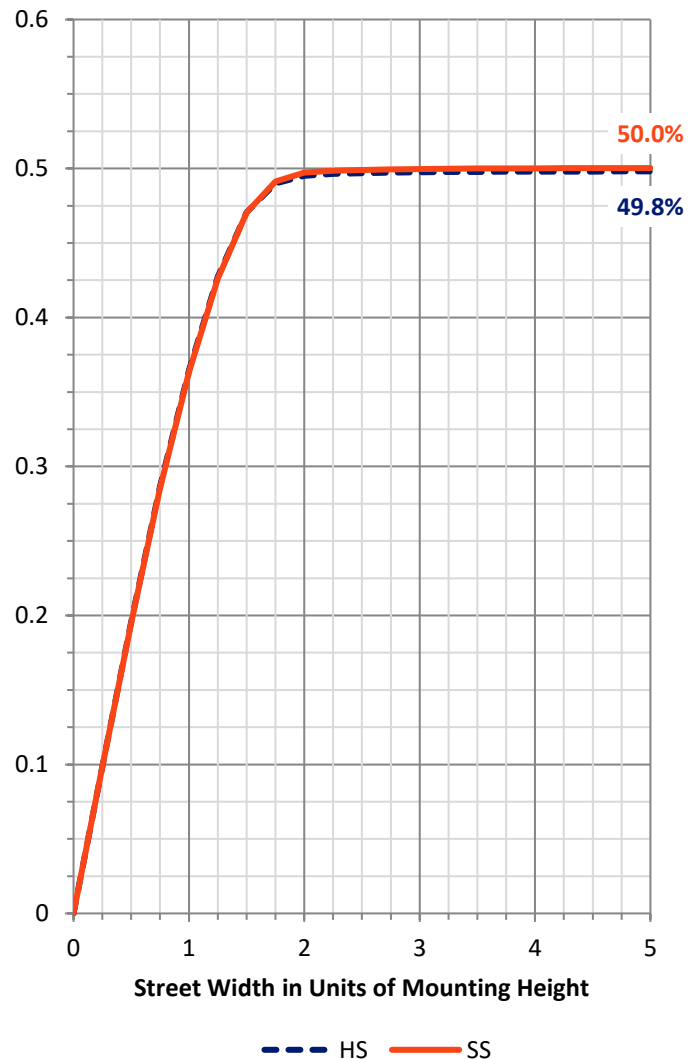
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12289.0	0.0	12289.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12289.0	0.0	12289.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24578.0	0.0	24578.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.8	1.6
10°-20°	1181.7	4.8
20°-30°	2139.9	8.7
30°-40°	3968.1	16.1
40°-50°	6513.3	26.5
50°-60°	8391.1	34.1
60°-70°	1849.3	7.5
70°-80°	107.3	0.4
80°-90°	22.6	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°	24578.0	100.0
0°-180°	24578.0	100.0

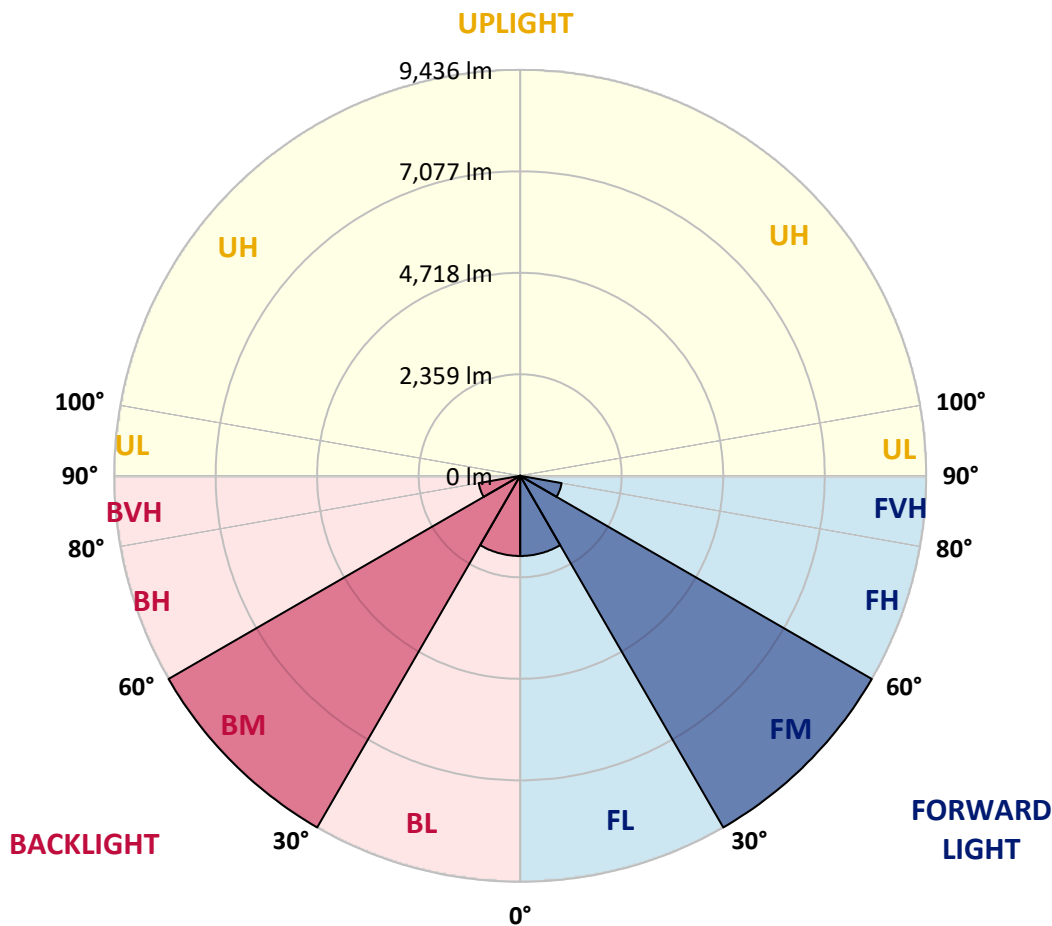


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.2	7.6			
FM (30°-60°)	9436.3	38.4			
FH (60°-80°)	978.3	4.0			G1/1800
FVH (80°-90°)	11.3	0.0			G1/100
BL (0°-30°)	1863.2	7.6	B3/2500		
BM (30°-60°)	9436.3	38.4	B5		
BH (60°-80°)	978.3	4.0	B2/1000		G1/1800
BVH (80°-90°)	11.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6	4306.6
2.5°	4315.5	4315.5	4320.0	4324.4	4293.2	4279.9	4284.3	4275.4	4271.0	4284.3	4284.3
5°	4302.1	4302.1	4288.8	4293.2	4293.2	4253.2	4253.2	4262.1	4262.1	4235.3	4226.4
7.5°	4266.5	4257.6	4239.8	4262.1	4248.7	4248.7	4217.5	4195.3	4186.3	4204.2	4186.3
10°	4190.8	4195.3	4213.1	4222.0	4213.1	4239.8	4186.3	4155.2	4124.0	4110.6	4110.6
12.5°	4155.2	4181.9	4155.2	4177.4	4208.6	4186.3	4155.2	4132.9	4088.4	4070.6	4070.6
15°	4150.7	4168.5	4177.4	4208.6	4195.3	4204.2	4141.8	4115.1	4048.3	4017.1	4003.8
17.5°	4146.3	4168.5	4181.9	4239.8	4248.7	4253.2	4204.2	4124.0	4066.1	4034.9	4003.8
20°	4195.3	4204.2	4230.9	4288.8	4324.4	4386.8	4297.7	4213.1	4088.4	4052.7	4039.4
22.5°	4257.6	4302.1	4328.9	4391.2	4484.7	4538.2	4422.4	4315.5	4186.3	4141.8	4088.4
25°	4458.0	4449.1	4493.6	4622.8	4698.5	4738.6	4645.1	4489.2	4320.0	4266.5	4275.4
27.5°	4707.4	4716.3	4756.4	4898.9	5010.3	5072.6	4961.3	4756.4	4591.6	4502.6	4493.6
30°	5032.5	5023.6	5068.2	5259.7	5460.1	5553.6	5357.6	5117.1	4956.8	4841.0	4867.7
32.5°	5375.4	5379.9	5504.6	5678.3	6003.4	6186.0	5869.8	5575.9	5335.4	5255.2	5215.1
35°	5883.2	5905.4	6003.4	6270.6	6631.4	6867.4	6520.0	6168.2	5892.1	5745.1	5762.9
37.5°	6511.1	6488.8	6653.6	6943.1	7321.7	7495.3	7201.4	6800.6	6520.0	6422.0	6484.4
40°	7179.1	7201.4	7286.0	7548.8	7971.9	8087.7	7651.2	7433.0	7188.0	7139.1	7214.8
42.5°	7847.2	7833.8	7896.2	8132.2	8439.5	8359.3	8101.0	7971.9	7798.2	7700.2	7802.6
45°	8337.1	8314.8	8430.6	8590.9	8702.3	8550.8	8435.0	8390.5	8301.4	8194.6	8288.1
47.5°	8813.6	8795.8	8907.1	8951.7	8960.6	8760.2	8782.4	8862.6	8639.9	8417.2	8524.1
50°	9218.9	9187.7	9325.8	9423.7	9401.5	9080.8	9161.0	9080.8	8733.4	8470.7	8430.6
52.5°	9895.8	9909.2	10056.1	10234.3	10180.8	9913.6	9797.8	9432.6	8987.3	8751.2	8613.2
55°	10323.4	10256.6	10510.4	11076.0	11138.4	10862.2	10350.1	9811.2	9143.2	8853.7	8818.1
56°	9922.5	10007.2	10408.0	11040.4	11361.0	11107.2	10363.4	9717.7	8982.8	8590.9	8564.2
57.5°	8902.7	8858.1	9401.5	10265.5	11138.4	11031.5	9998.2	9049.6	8194.6	7753.7	7700.2
60°	5540.2	5669.4	6145.9	7214.8	8381.6	8435.0	7410.7	6595.7	5598.1	5206.2	5299.7
62.5°	2168.9	2057.5	2355.9	3153.1	3954.8	4132.9	3745.4	3113.0	2556.3	2168.9	2142.2
65°	503.3	489.9	552.2	761.6	1064.4	1233.6	1171.3	841.7	619.0	587.9	543.3
67.5°	285.0	285.0	271.7	271.7	298.4	316.2	302.8	298.4	311.7	325.1	320.7
70°	200.4	196.0	187.0	191.5	182.6	182.6	196.0	218.2	236.0	236.0	240.5
72.5°	120.2	120.2	120.2	133.6	133.6	133.6	147.0	164.8	169.2	164.8	160.3
75°	53.4	53.4	62.3	75.7	84.6	89.1	102.4	111.3	120.2	111.3	102.4
77.5°	13.4	13.4	22.3	31.2	40.1	49.0	66.8	80.2	84.6	80.2	66.8
80°	4.5	4.5	8.9	22.3	40.1	49.0	66.8	71.3	75.7	66.8	53.4
82.5°	4.5	4.5	8.9	22.3	31.2	40.1	53.4	62.3	66.8	57.9	53.4
85°	0.0	4.5	8.9	17.8	26.7	35.6	35.6	26.7	22.3	13.4	17.8
87.5°	0.0	0.0	4.5	4.5	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)