

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: P530960

Luminaire Tested: **GALN-SA6B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530960  
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-SA6B-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA 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: 24727 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

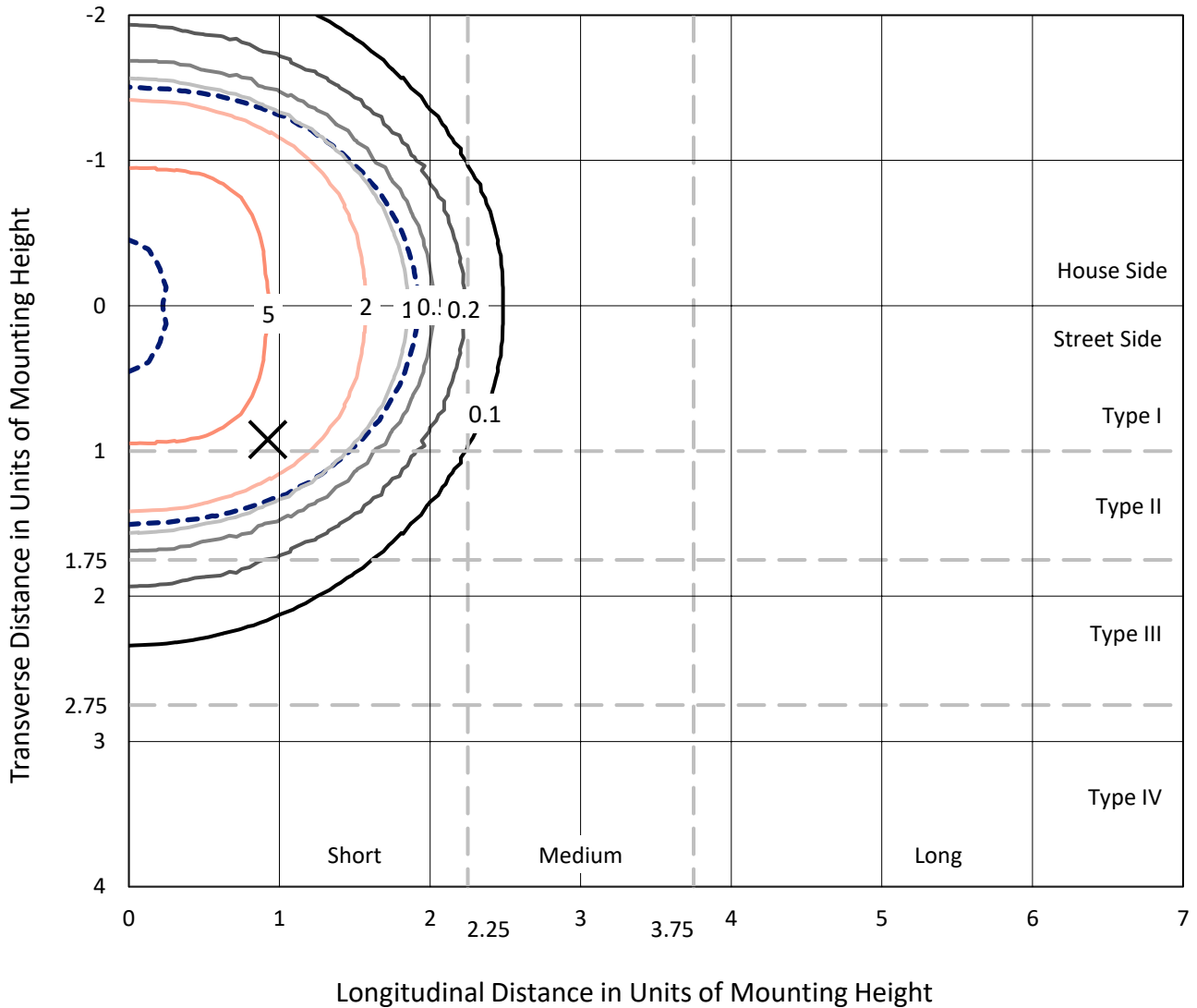
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

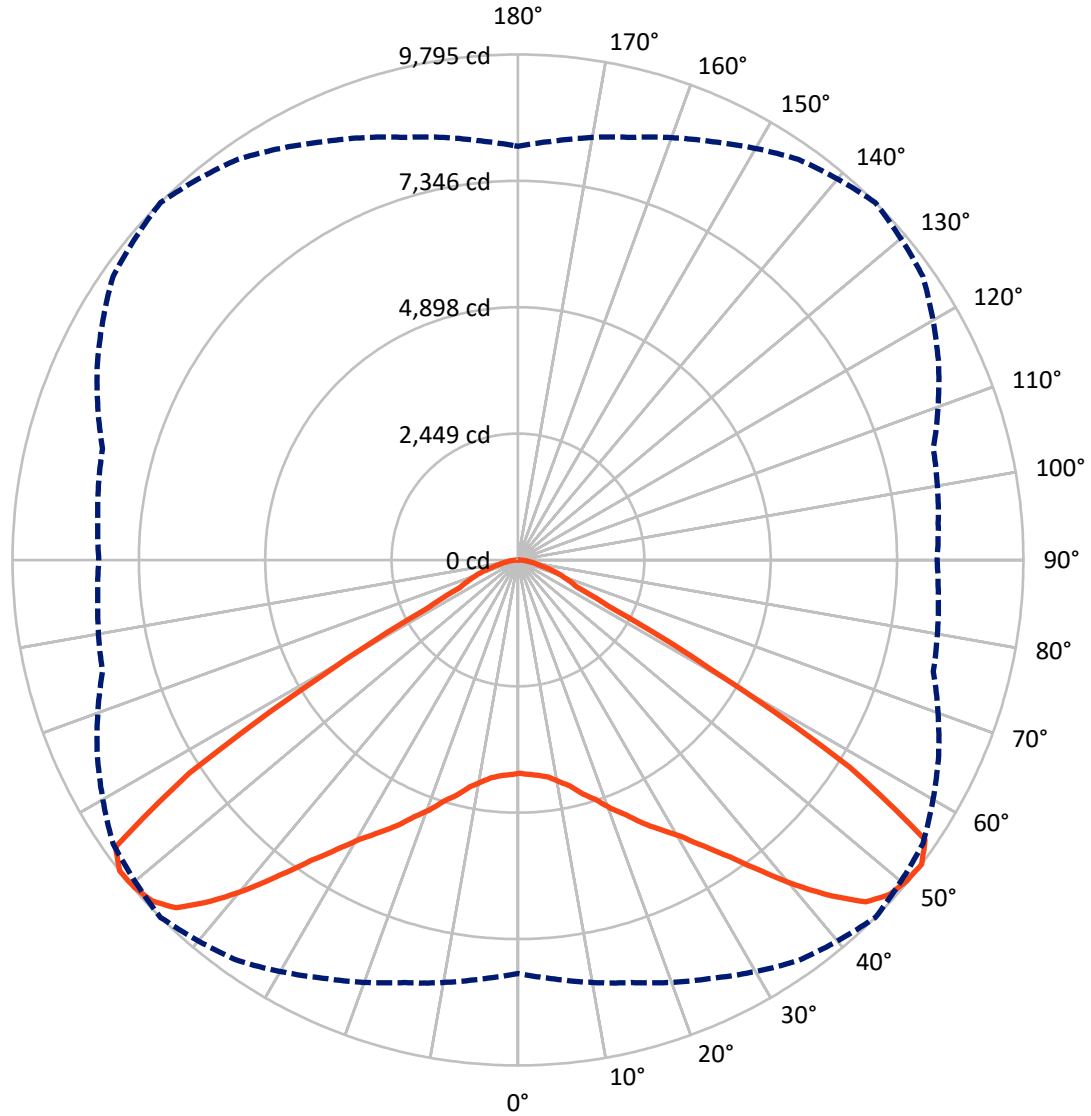
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	12363.5	0.0	12363.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12363.5	0.0	12363.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24727.0	0.0	24727.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.1	1.6
10°-20°	1334.4	5.4
20°-30°	2540.5	10.3
30°-40°	4362.3	17.6
40°-50°	6704.9	27.1
50°-60°	6808.7	27.5
60°-70°	1897.5	7.7
70°-80°	559.7	2.3
80°-90°	112.7	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°	24727.0	100.0
0°-180°	24727.0	100.0

**Coefficient of Utilization**



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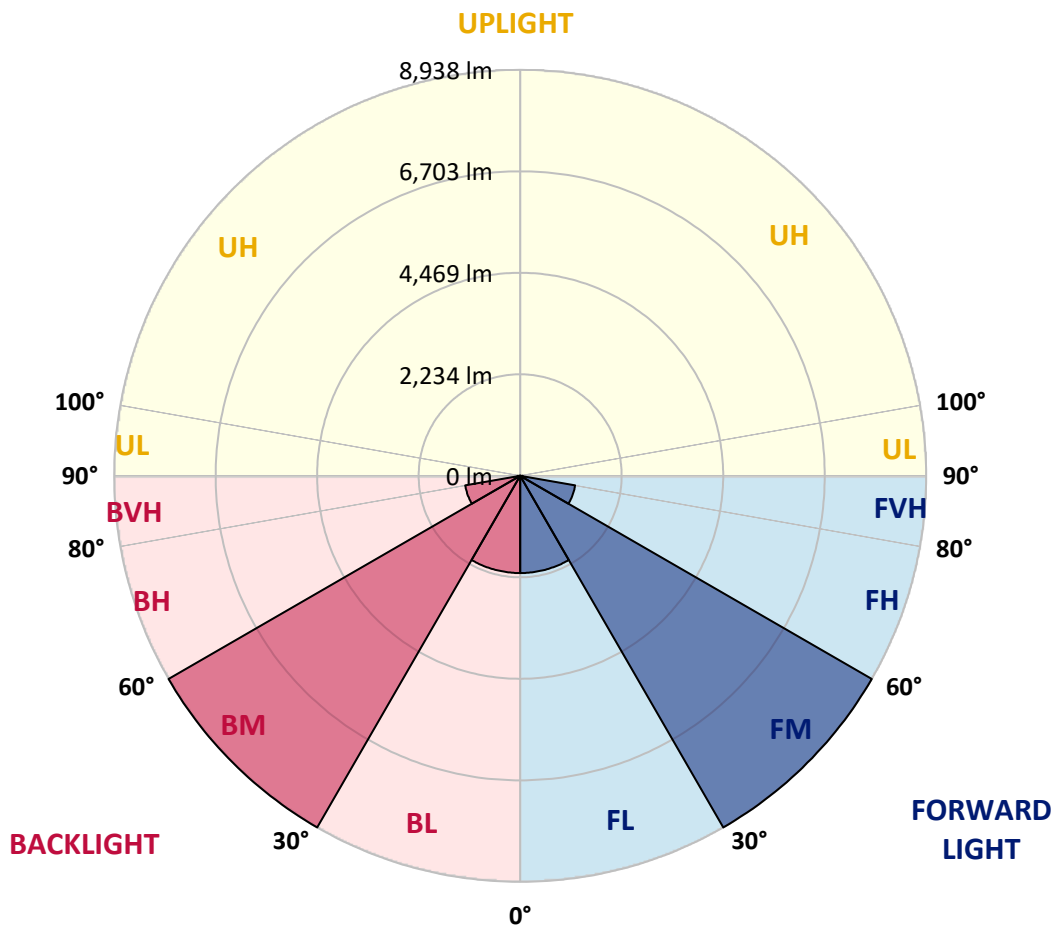
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2140.5	8.7			
FM (30°-60°)	8938.0	36.1			
FH (60°-80°)	1228.6	5.0			G1/1800
FVH (80°-90°)	56.4	0.2			G1/100
BL (0°-30°)	2140.5	8.7	B3/2500		
BM (30°-60°)	8938.0	36.1	B5		
BH (60°-80°)	1228.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	56.4	0.2			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°	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4	4133.4
2.5°	4142.6	4099.7	4115.0	4124.2	4164.1	4161.1	4151.9	4164.1	4176.4	4179.5	4173.3
5°	4139.6	4108.9	4121.2	4130.4	4170.3	4191.7	4185.6	4237.8	4274.6	4265.4	4311.4
7.5°	4115.0	4133.4	4118.1	4164.1	4197.9	4250.1	4305.3	4354.4	4400.4	4452.6	4461.8
10°	4170.3	4170.3	4197.9	4234.7	4323.7	4363.6	4443.4	4514.0	4602.9	4664.3	4639.8
12.5°	4228.6	4237.8	4237.8	4332.9	4406.6	4495.5	4569.2	4664.3	4790.1	4863.8	4900.6
15°	4286.9	4293.0	4323.7	4452.6	4563.1	4704.2	4771.7	4857.6	4928.2	5066.3	5069.4
17.5°	4339.0	4372.8	4464.9	4609.1	4747.2	4882.2	4989.6	5078.6	5140.0	5195.2	5182.9
20°	4535.4	4560.0	4655.1	4799.3	5004.9	5136.9	5173.7	5189.1	5228.9	5339.4	5305.7
22.5°	4725.7	4734.9	4823.9	5044.8	5189.1	5364.0	5403.9	5394.7	5410.0	5437.6	5486.7
25°	4922.1	4937.4	5060.2	5247.4	5449.9	5658.6	5692.3	5621.7	5600.2	5630.9	5634.0
27.5°	5173.7	5176.8	5333.3	5495.9	5726.1	5922.5	5974.6	5919.4	5818.1	5842.7	5882.6
30°	5492.8	5471.4	5627.9	5861.1	6103.5	6214.0	6303.0	6275.3	6164.9	6143.4	6109.6
32.5°	5861.1	5867.2	6008.4	6263.1	6422.6	6606.8	6701.9	6655.9	6585.3	6548.5	6569.9
35°	6379.7	6407.3	6502.4	6714.2	6971.9	7064.0	7214.3	7116.2	6932.0	6978.1	7018.0
37.5°	6806.2	6886.0	7064.0	7315.6	7469.0	7637.8	7693.1	7561.1	7426.1	7370.8	7502.8
40°	7459.8	7435.3	7631.7	7883.3	8110.4	8279.2	8208.6	8076.6	7742.2	7745.2	7782.0
42.5°	8021.4	8033.7	8184.0	8484.8	8794.7	8899.0	8675.0	8352.8	7981.5	7941.6	8021.4
45°	8494.0	8543.1	8629.0	9031.0	9334.8	9448.3	9034.0	8653.5	8156.4	7990.7	8122.7
47.5°	8662.7	8742.5	8929.7	9297.9	9598.7	9690.7	9359.3	8813.1	8319.1	8049.0	8119.6
50°	8687.3	8659.7	8966.5	9304.1	9568.0	9767.4	9475.9	8929.7	8279.2	8138.0	8116.5
52.5°	8015.3	8150.3	8478.6	8942.0	9475.9	9795.1	9580.3	8994.2	8334.4	8174.8	8122.7
55°	6487.1	6327.5	6925.9	7705.3	8687.3	9574.1	9543.4	9027.9	8368.2	8236.2	8165.6
57.5°	3621.0	3667.0	4004.6	4851.5	6118.8	7591.8	8484.8	8671.9	8352.8	8276.1	8312.9
60°	1675.5	1690.8	1835.0	2230.9	3016.5	4305.3	5480.6	6674.3	7223.6	7334.0	7334.0
62.5°	1248.9	1242.8	1279.6	1350.2	1515.9	1979.3	2642.1	3590.3	4345.2	4873.0	5011.1
65°	1129.3	1126.2	1144.6	1169.1	1181.4	1245.9	1393.2	1684.7	1930.2	2071.3	2046.8
67.5°	988.1	985.0	991.2	1006.5	1028.0	1061.7	1098.6	1159.9	1245.9	1239.7	1224.4
70°	797.8	797.8	807.0	819.3	843.9	883.8	926.7	969.7	1043.3	1058.7	1055.6
72.5°	589.2	580.0	598.4	622.9	647.5	696.6	742.6	782.5	834.7	850.0	843.9
75°	374.4	380.5	392.8	420.4	463.4	497.1	546.2	580.0	613.7	626.0	629.1
77.5°	208.7	214.8	236.3	270.0	313.0	349.8	392.8	420.4	441.9	445.0	448.0
80°	125.8	128.9	150.4	181.0	217.9	257.8	291.5	319.1	337.5	328.3	325.3
82.5°	76.7	79.8	98.2	125.8	156.5	187.2	224.0	248.6	267.0	254.7	242.4
85°	39.9	43.0	58.3	76.7	101.3	116.6	116.6	104.3	101.3	95.1	92.1
87.5°	12.3	12.3	15.3	18.4	15.3	18.4	21.5	24.5	24.5	27.6	24.5
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)