

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: P531662

Luminaire Tested: **GALN-SA7A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531662  
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-SA7A-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 615mA 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: 23342 lumens  
Efficiency: N/A  
Efficacy: 108.6 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

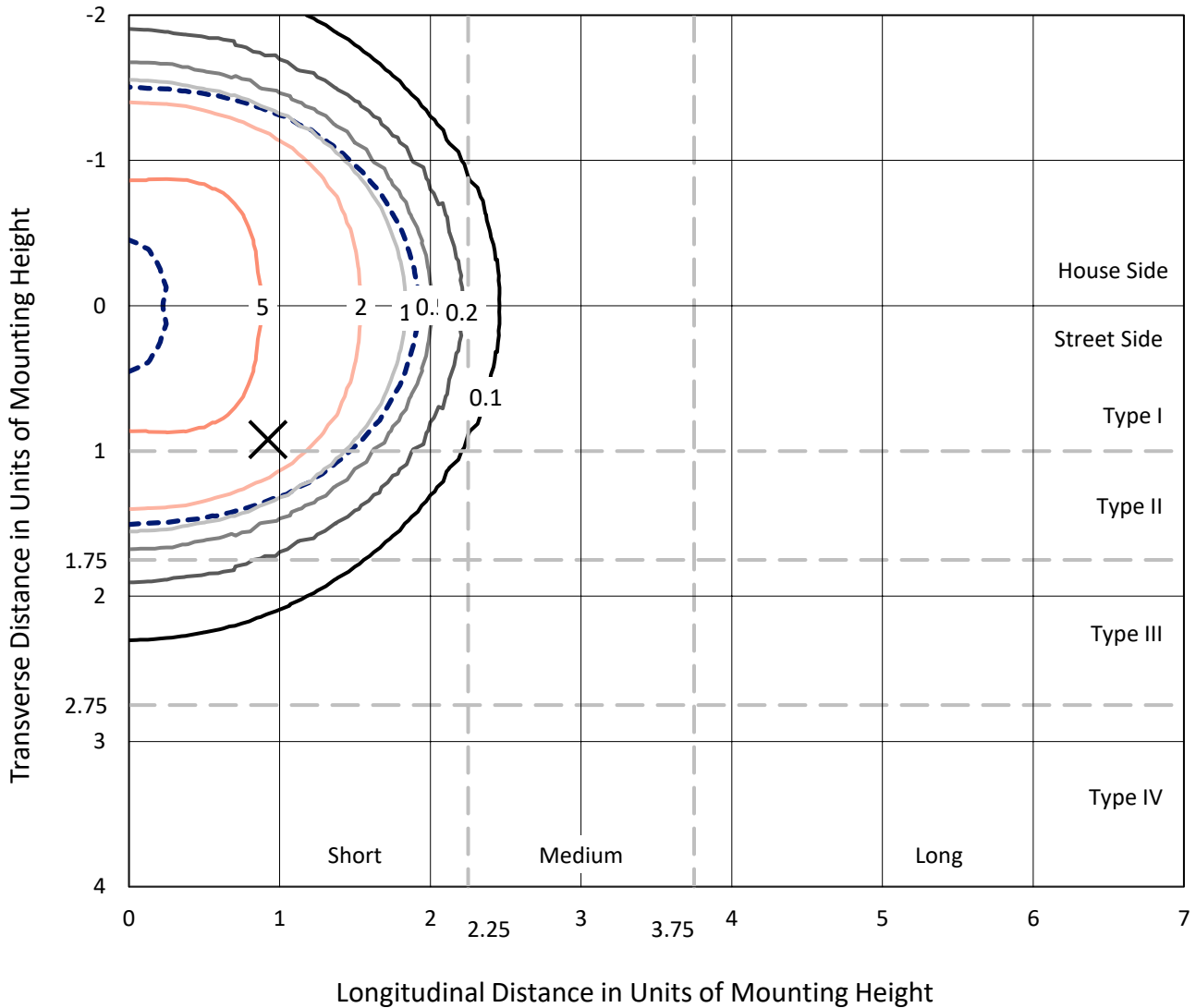
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

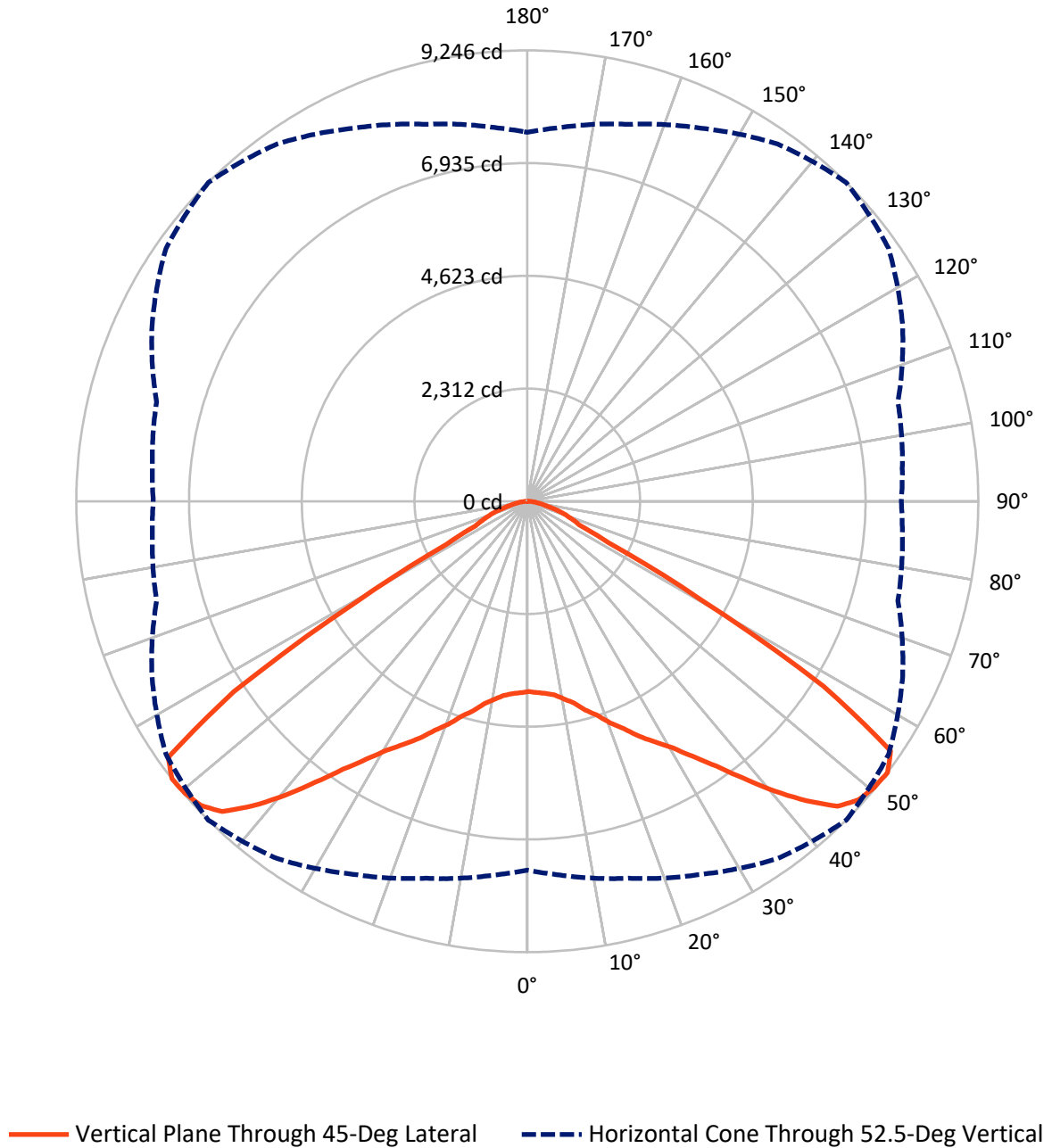
✕ Max cd  
 - - - 1/2 Max cd



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



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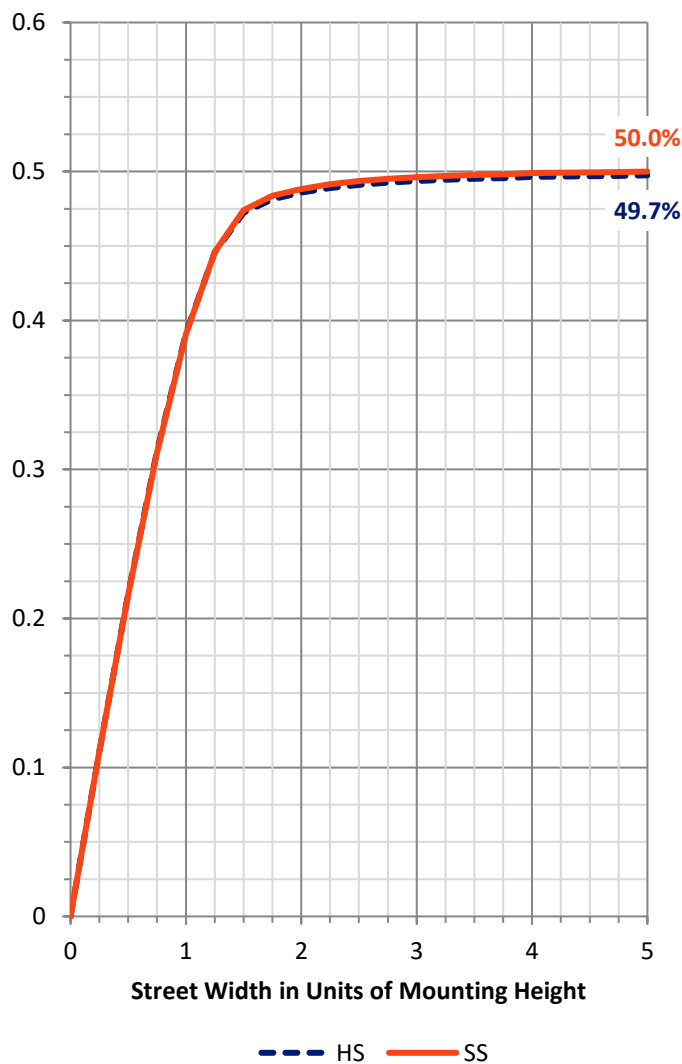
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11671.0	0.0	11671.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11671.0	0.0	11671.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23342.0	0.0	23342.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.4	1.6
10°-20°	1259.7	5.4
20°-30°	2398.2	10.3
30°-40°	4117.9	17.6
40°-50°	6329.4	27.1
50°-60°	6427.4	27.5
60°-70°	1791.2	7.7
70°-80°	528.4	2.3
80°-90°	106.4	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°	23342.0	100.0
0°-180°	23342.0	100.0

**Coefficient of Utilization**

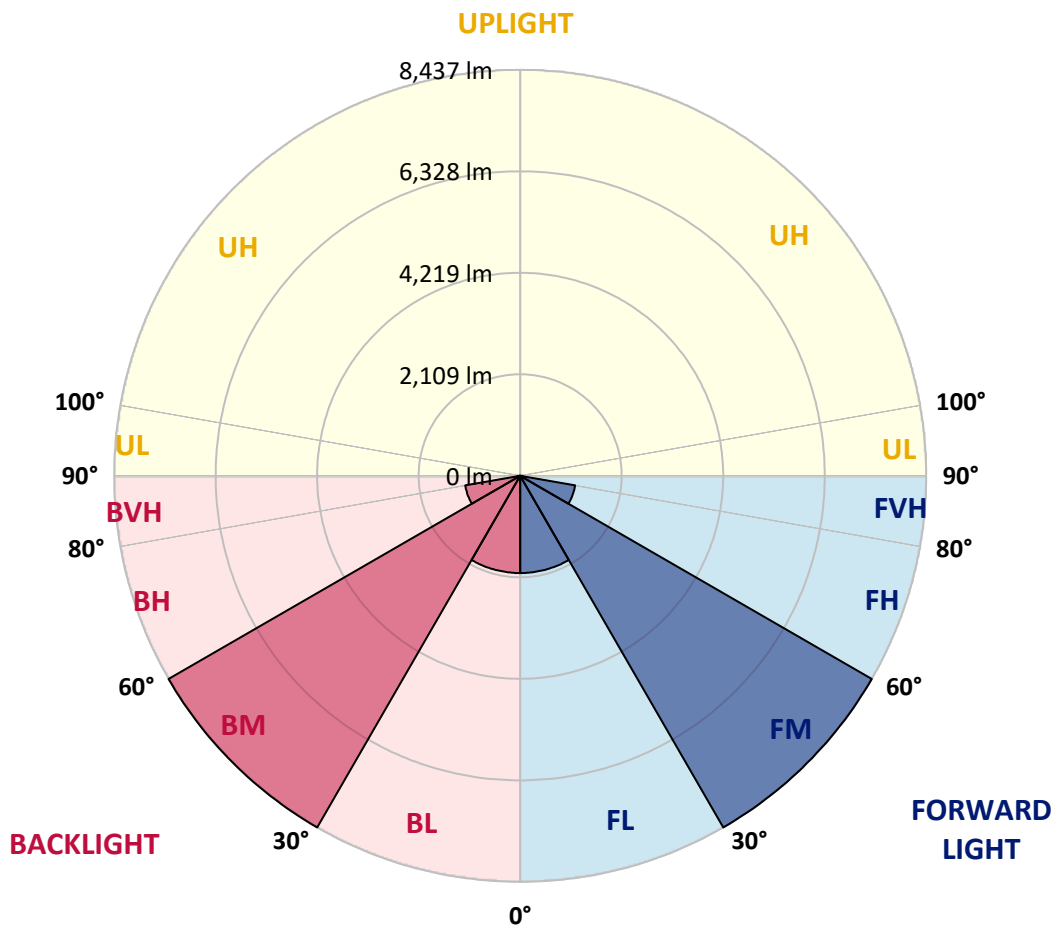


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2020.6	8.7			
FM (30°-60°)	8437.3	36.1			
FH (60°-80°)	1159.8	5.0			G1/1800
FVH (80°-90°)	53.2	0.2			G1/100
BL (0°-30°)	2020.6	8.7	B3/2500		
BM (30°-60°)	8437.3	36.1	B4/8500		
BH (60°-80°)	1159.8	5.0	B3/2500		G1/1800
BVH (80°-90°)	53.2	0.2			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°	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9	3901.9
2.5°	3910.6	3870.1	3884.5	3893.2	3930.9	3928.0	3919.3	3930.9	3942.5	3945.4	3939.6
5°	3907.7	3878.7	3890.3	3899.0	3936.7	3957.0	3951.2	4000.4	4035.2	4026.5	4069.9
7.5°	3884.5	3901.9	3887.4	3930.9	3962.8	4012.0	4064.1	4110.5	4153.9	4203.2	4211.9
10°	3936.7	3936.7	3962.8	3997.5	4081.5	4119.2	4194.5	4261.1	4345.1	4403.1	4379.9
12.5°	3991.7	4000.4	4000.4	4090.2	4159.7	4243.7	4313.3	4403.1	4521.8	4591.3	4626.1
15°	4046.8	4052.6	4081.5	4203.2	4307.5	4440.7	4504.4	4585.6	4652.2	4782.5	4785.4
17.5°	4096.0	4127.9	4214.8	4350.9	4481.3	4608.7	4710.1	4794.1	4852.1	4904.2	4892.6
20°	4281.4	4304.6	4394.4	4530.5	4724.6	4849.2	4883.9	4898.4	4936.1	5040.3	5008.5
22.5°	4461.0	4469.7	4553.7	4762.3	4898.4	5063.5	5101.2	5092.5	5107.0	5133.0	5179.4
25°	4646.4	4660.9	4776.7	4953.4	5144.6	5341.6	5373.5	5306.8	5286.6	5315.5	5318.4
27.5°	4883.9	4886.8	5034.6	5188.1	5405.3	5590.7	5640.0	5587.8	5492.2	5515.4	5553.1
30°	5185.2	5164.9	5312.6	5532.8	5761.6	5865.9	5949.9	5923.9	5819.6	5799.3	5767.4
32.5°	5532.8	5538.6	5671.8	5912.3	6062.9	6236.7	6326.5	6283.1	6216.4	6181.7	6201.9
35°	6022.3	6048.4	6138.2	6338.1	6581.4	6668.3	6810.3	6717.6	6543.8	6587.2	6624.9
37.5°	6425.0	6500.3	6668.3	6905.9	7050.7	7210.0	7262.2	7137.6	7010.1	6958.0	7082.6
40°	7042.0	7018.8	7204.2	7441.8	7656.1	7815.4	7748.8	7624.2	7308.5	7311.4	7346.2
42.5°	7572.1	7583.7	7725.6	8009.5	8302.1	8400.6	8189.1	7885.0	7534.4	7496.8	7572.1
45°	8018.2	8064.6	8145.7	8525.1	8811.9	8919.1	8528.0	8168.8	7699.6	7543.1	7667.7
47.5°	8177.5	8252.8	8429.5	8777.2	9061.0	9147.9	8835.1	8319.5	7853.1	7598.2	7664.8
50°	8200.7	8174.6	8464.3	8782.9	9032.1	9220.4	8945.2	8429.5	7815.4	7682.2	7661.9
52.5°	7566.3	7693.8	8003.7	8441.1	8945.2	9246.4	9043.7	8490.4	7867.6	7716.9	7667.7
55°	6123.7	5973.1	6538.0	7273.7	8200.7	9037.9	9008.9	8522.2	7899.4	7774.9	7708.3
57.5°	3418.2	3461.6	3780.3	4579.8	5776.1	7166.6	8009.5	8186.2	7885.0	7812.5	7847.3
60°	1581.6	1596.1	1732.3	2105.9	2847.5	4064.1	5173.6	6300.4	6819.0	6923.2	6923.2
62.5°	1179.0	1173.2	1207.9	1274.6	1431.0	1868.4	2494.1	3389.2	4101.8	4600.0	4730.4
65°	1066.0	1063.1	1080.5	1103.7	1115.2	1176.1	1315.1	1590.3	1822.1	1955.3	1932.1
67.5°	932.8	929.9	935.7	950.1	970.4	1002.3	1037.0	1095.0	1176.1	1170.3	1155.8
70°	753.2	753.2	761.8	773.4	796.6	834.3	874.8	915.4	984.9	999.4	996.5
72.5°	556.2	547.5	564.9	588.0	611.2	657.6	701.0	738.7	787.9	802.4	796.6
75°	353.4	359.2	370.8	396.9	437.4	469.3	515.6	547.5	579.4	590.9	593.8
77.5°	197.0	202.8	223.0	254.9	295.5	330.2	370.8	396.9	417.1	420.0	422.9
80°	118.8	121.7	141.9	170.9	205.7	243.3	275.2	301.3	318.6	310.0	307.1
82.5°	72.4	75.3	92.7	118.8	147.7	176.7	211.5	234.6	252.0	240.4	228.8
85°	37.7	40.6	55.0	72.4	95.6	110.1	110.1	98.5	95.6	89.8	86.9
87.5°	11.6	11.6	14.5	17.4	14.5	17.4	20.3	23.2	23.2	26.1	23.2
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)