

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: P530952

Luminaire Tested: **GALN-SA6B-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530952  
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-SA6B-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA 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: 24908 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

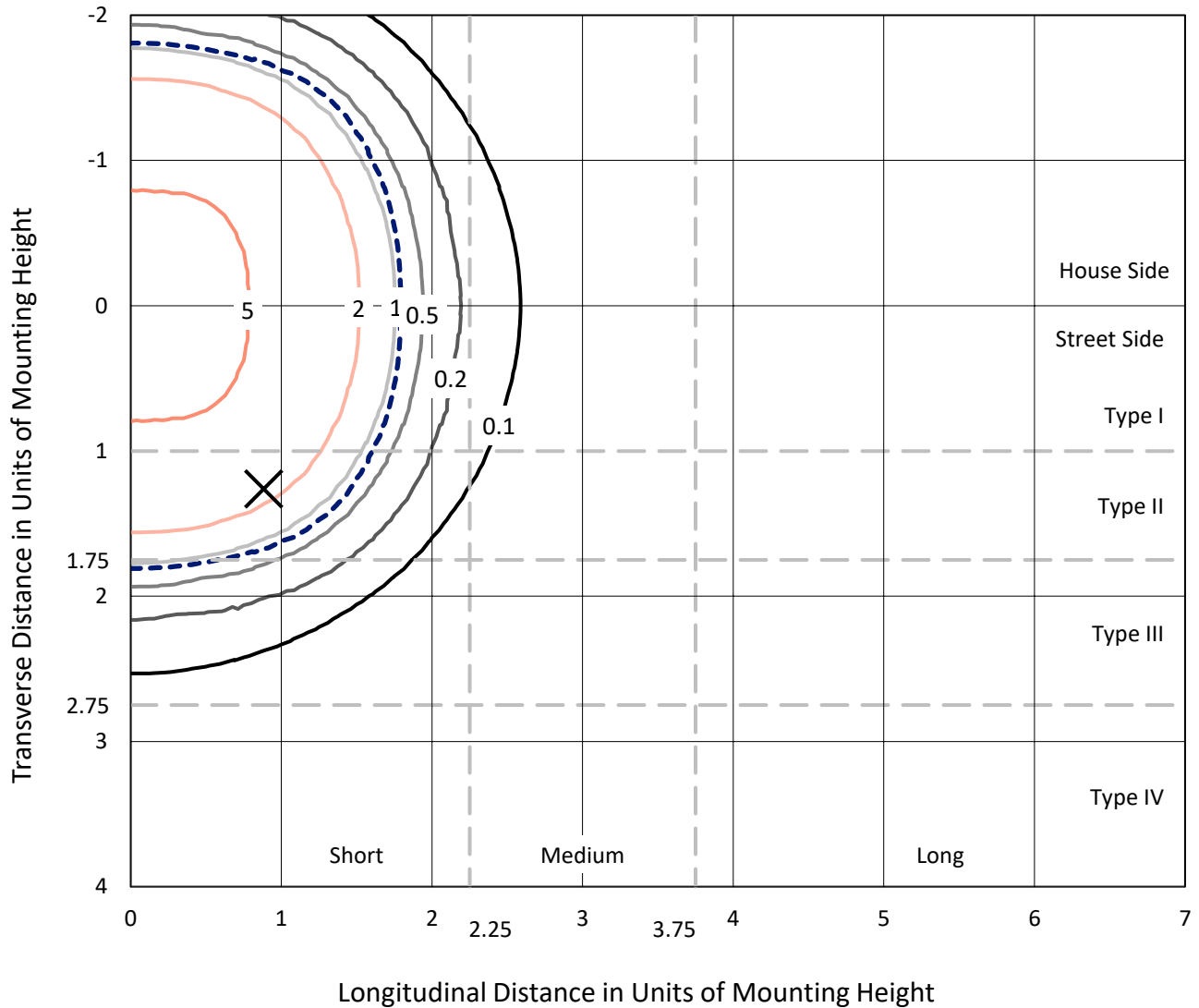
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

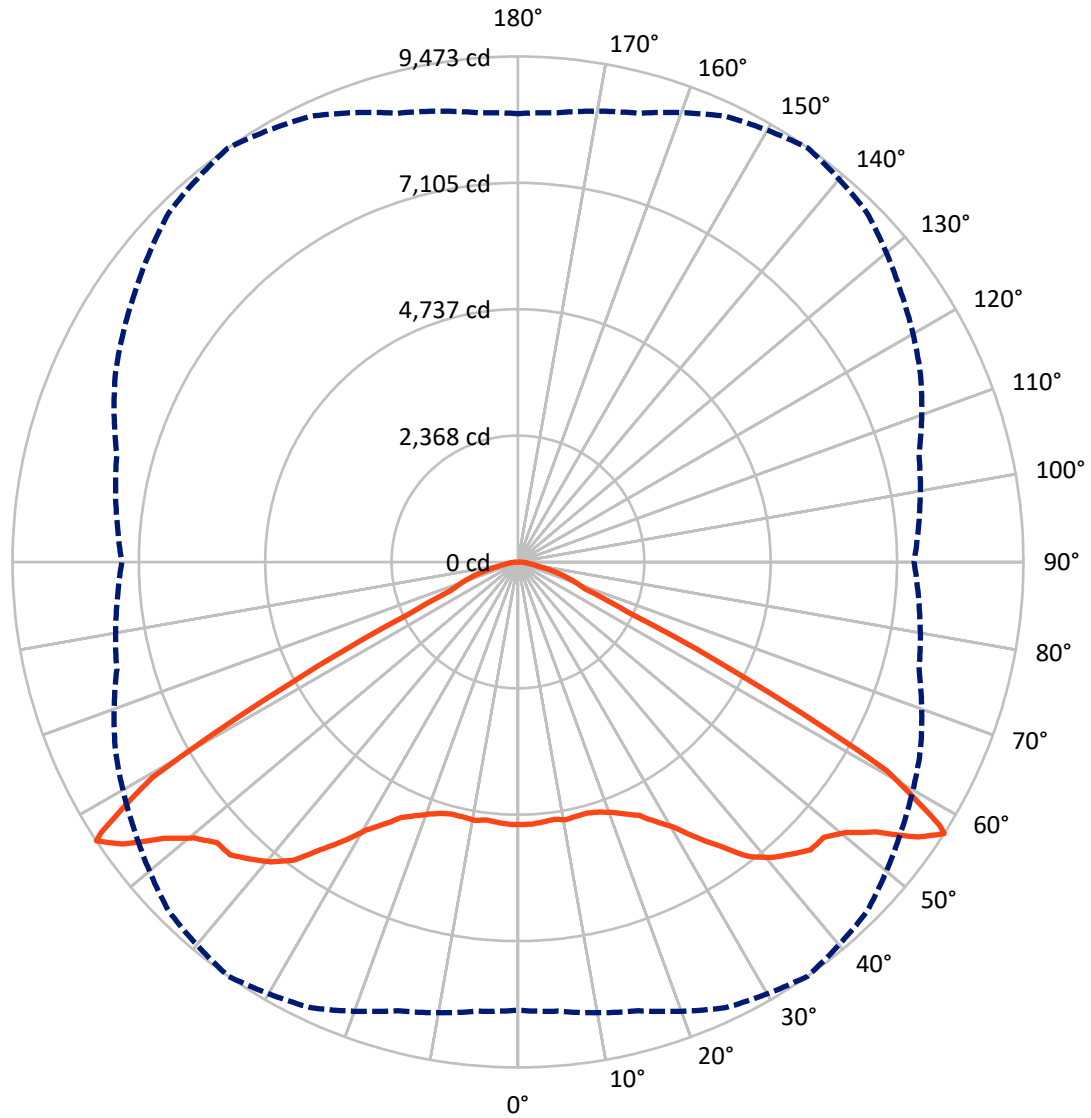
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	12454.0	0.0	12454.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12454.0	0.0	12454.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24908.0	0.0	24908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.3	1.9
10°-20°	1381.2	5.5
20°-30°	2412.3	9.7
30°-40°	3952.5	15.9
40°-50°	5795.4	23.3
50°-60°	7299.7	29.3
60°-70°	2745.4	11.0
70°-80°	730.0	2.9
80°-90°	125.2	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°	24908.0	100.0
0°-180°	24908.0	100.0

**Coefficient of Utilization**



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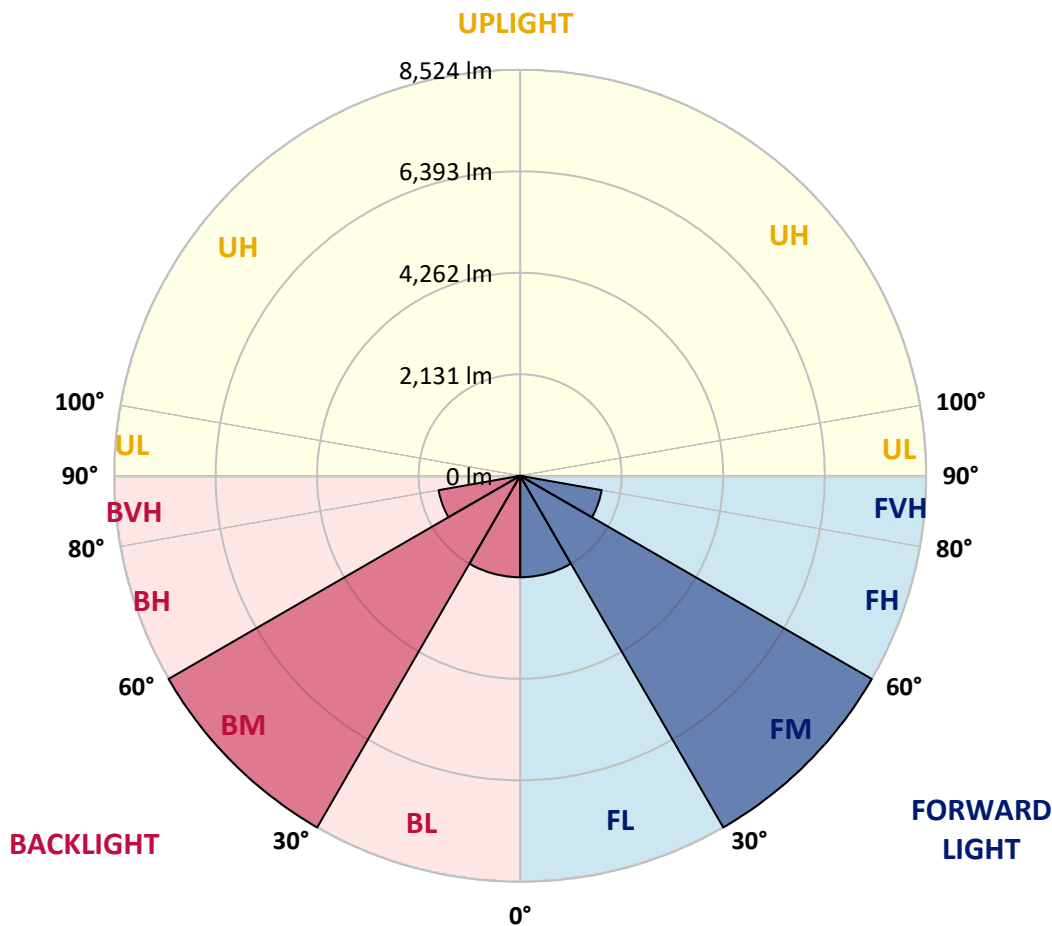
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2129.9	8.6			
FM (30°-60°)	8523.8	34.2			
FH (60°-80°)	1737.7	7.0			G1/1800
FVH (80°-90°)	62.6	0.3			G1/100
BL (0°-30°)	2129.9	8.6	B3/2500		
BM (30°-60°)	8523.8	34.2	B5		
BH (60°-80°)	1737.7	7.0	B3/2500		G1/1800
BVH (80°-90°)	62.6	0.3			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°	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1	4919.1
2.5°	4894.6	4943.7	4922.2	4909.9	4919.1	4903.8	4879.3	4906.9	4900.7	4876.2	4867.0
5°	4882.3	4919.1	4894.6	4919.1	4894.6	4937.6	4925.3	4879.3	4934.5	4882.3	4900.7
7.5°	4873.1	4885.4	4891.5	4879.3	4870.0	4922.2	4894.6	4873.1	4842.4	4833.2	4848.6
10°	4851.6	4882.3	4836.3	4897.7	4909.9	4873.1	4873.1	4833.2	4808.7	4793.3	4845.5
12.5°	4906.9	4854.7	4848.6	4879.3	4888.5	4903.8	4860.8	4839.4	4793.3	4799.5	4790.3
15°	4842.4	4863.9	4867.0	4873.1	4882.3	4919.1	4879.3	4833.2	4814.8	4750.4	4756.5
17.5°	4867.0	4845.5	4867.0	4937.6	4925.3	4952.9	4909.9	4839.4	4796.4	4759.6	4808.7
20°	4909.9	4900.7	4909.9	4995.9	5011.2	5035.8	4998.9	4934.5	4851.6	4808.7	4833.2
22.5°	4956.0	4949.8	4956.0	5038.8	5127.8	5158.5	5121.7	4971.3	4928.4	4848.6	4820.9
25°	5038.8	5045.0	5109.4	5201.5	5259.8	5318.1	5250.6	5143.2	5005.1	4956.0	4897.7
27.5°	5222.9	5238.3	5275.1	5410.1	5511.4	5563.6	5468.4	5321.1	5235.2	5134.0	5118.6
30°	5450.0	5450.0	5514.5	5631.1	5769.2	5849.0	5732.4	5557.4	5453.1	5397.9	5364.1
32.5°	5750.8	5717.0	5741.6	5947.2	6162.0	6229.5	6073.0	5858.2	5692.5	5618.8	5594.3
35°	6008.5	6030.0	6085.3	6306.2	6545.6	6702.1	6456.6	6177.3	6008.5	5941.0	5928.8
37.5°	6343.0	6379.9	6407.5	6711.3	6999.7	7058.0	6821.7	6597.7	6392.1	6336.9	6306.2
40°	6815.6	6791.1	6800.3	7024.3	7285.1	7321.9	7088.7	6929.2	6760.4	6726.6	6726.6
42.5°	7205.3	7177.7	7208.4	7291.3	7490.7	7463.1	7334.2	7217.6	7147.0	7110.2	7147.0
45°	7441.6	7435.5	7490.7	7552.1	7693.3	7601.2	7499.9	7518.3	7450.8	7389.5	7386.4
47.5°	7699.4	7659.5	7727.0	7819.1	7711.7	7668.7	7662.6	7702.5	7681.0	7573.6	7539.8
50°	7825.2	7809.9	7917.3	8024.7	7966.4	7868.2	7889.7	7954.1	7677.9	7533.7	7450.8
52.5°	8162.8	8165.8	8371.4	8429.8	8405.2	8261.0	8307.0	8132.1	7806.8	7604.3	7613.5
55°	8693.7	8672.2	8902.3	9074.2	9101.8	8917.7	8696.7	8451.2	8043.1	7837.5	7776.1
57°	8402.1	8451.2	8705.9	9215.3	9473.1	9255.2	8773.4	8325.4	7782.3	7533.7	7423.2
57.5°	8012.4	8092.2	8534.1	9046.6	9316.6	9298.2	8678.3	8092.2	7607.3	7220.7	7229.9
60°	5870.4	5885.8	6284.7	7097.9	7941.8	7960.2	7205.3	6429.0	5888.9	5468.4	5526.8
62.5°	3096.3	3166.9	3326.5	3980.1	4710.5	4888.5	4431.2	4032.3	3565.8	3246.7	3277.4
65°	1638.7	1629.5	1706.2	1890.3	2249.4	2341.4	2280.1	1964.0	1801.3	1749.2	1752.2
67.5°	1331.8	1347.2	1338.0	1347.2	1371.7	1411.6	1402.4	1414.7	1423.9	1439.2	1436.2
70°	1129.3	1129.3	1135.4	1138.5	1138.5	1156.9	1178.4	1218.3	1221.3	1236.7	1242.8
72.5°	889.9	883.8	893.0	914.5	917.5	932.9	963.6	988.1	997.3	997.3	978.9
75°	604.5	610.7	622.9	641.4	659.8	687.4	711.9	727.3	733.4	724.2	715.0
77.5°	340.6	346.8	356.0	383.6	405.1	429.6	457.2	472.6	487.9	491.0	472.6
80°	202.5	202.5	217.9	239.4	263.9	288.5	313.0	331.4	337.6	337.6	328.4
82.5°	122.7	125.8	138.1	159.6	181.1	196.4	217.9	233.2	245.5	242.4	236.3
85°	64.4	64.4	76.7	95.1	110.5	125.8	125.8	116.6	110.5	95.1	89.0
87.5°	21.5	18.4	24.5	24.5	21.5	24.5	24.5	27.6	27.6	27.6	27.6
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)