

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: P531350

Luminaire Tested: **GALN-SA6C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531350  
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-SA6C-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 1050mA 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: 26854 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

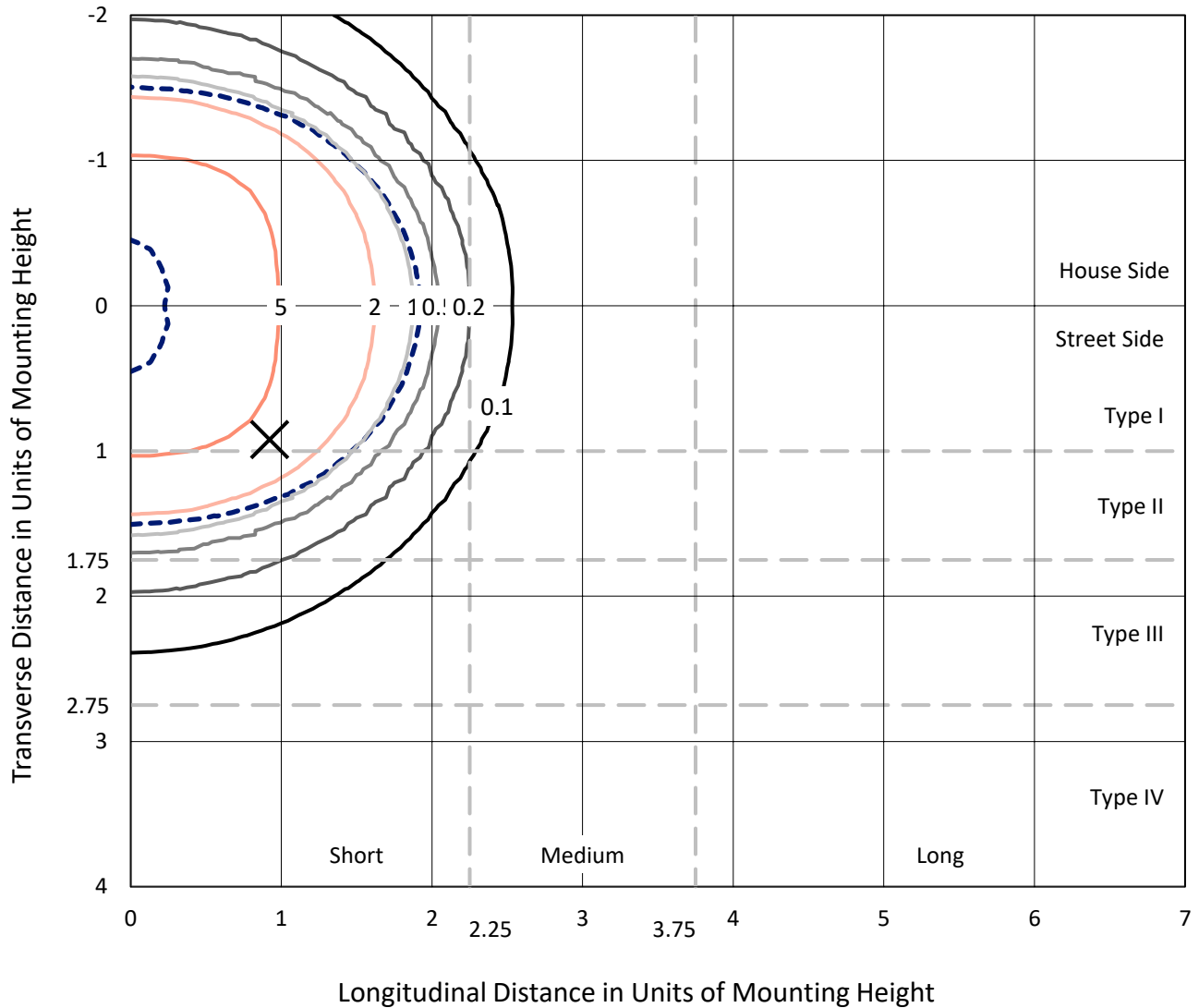
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

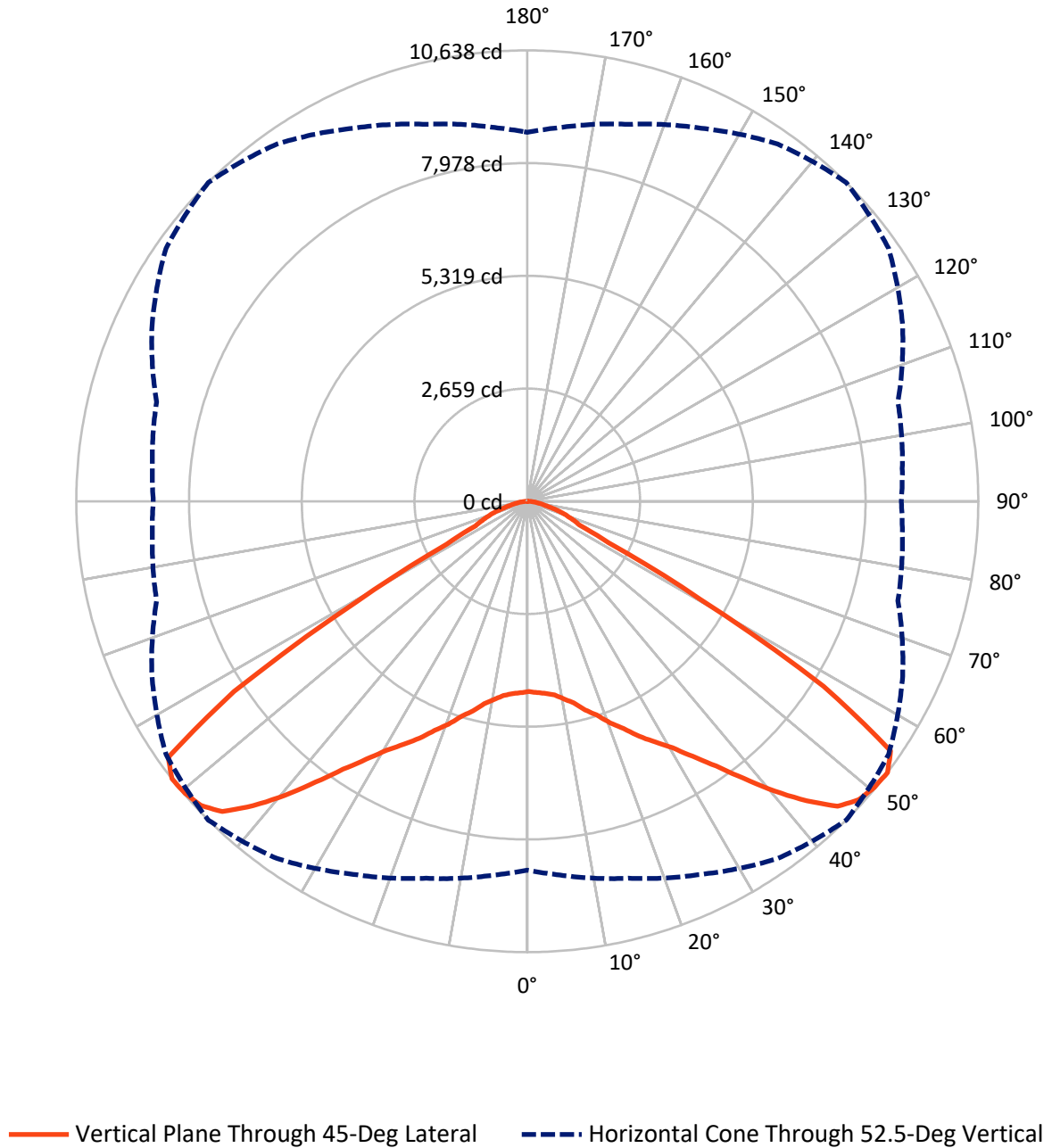
✕ Max cd  
 - - - 1/2 Max cd



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13427.0	0.0	13427.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13427.0	0.0	13427.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26854.0	0.0	26854.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.0	1.6
10°-20°	1449.2	5.4
20°-30°	2759.1	10.3
30°-40°	4737.5	17.6
40°-50°	7281.7	27.1
50°-60°	7394.4	27.5
60°-70°	2060.7	7.7
70°-80°	607.9	2.3
80°-90°	122.4	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°	26854.0	100.0
0°-180°	26854.0	100.0



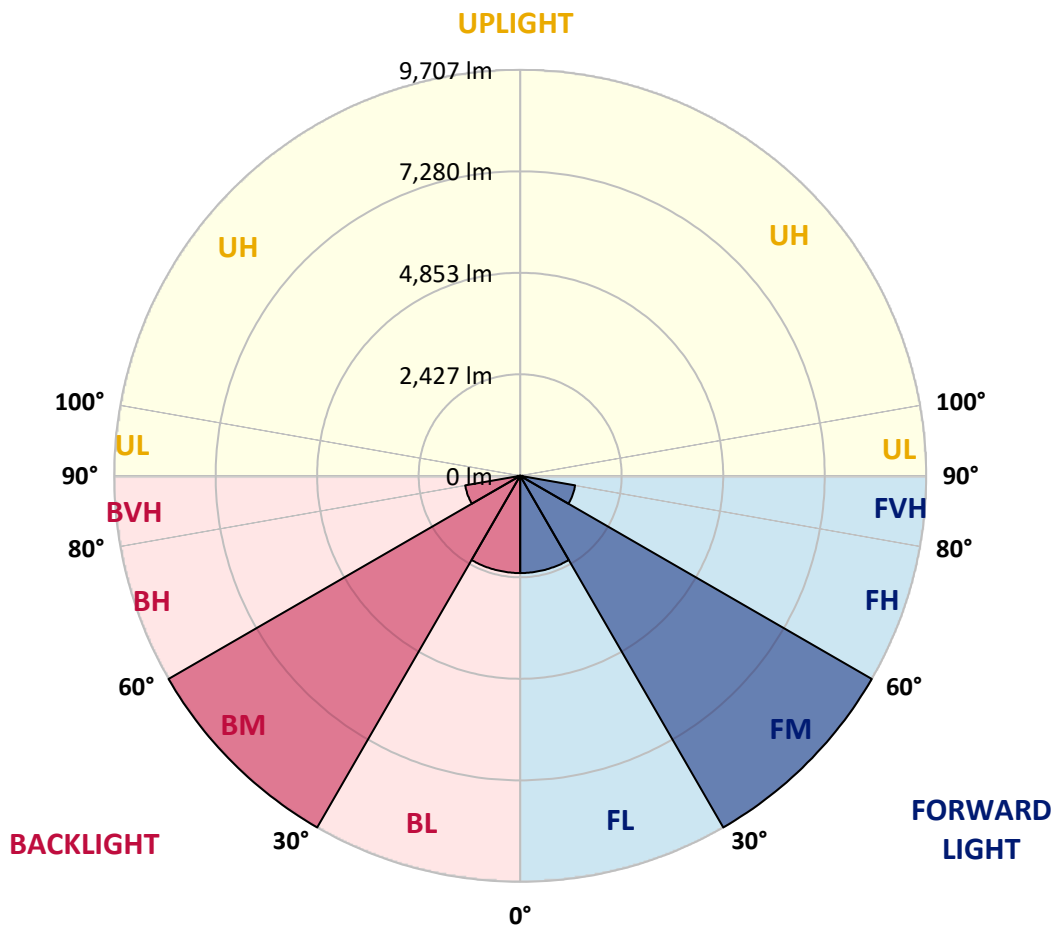
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2324.6	8.7			
FM (30°-60°)	9706.8	36.1			
FH (60°-80°)	1334.3	5.0			G1/1800
FVH (80°-90°)	61.2	0.2			G1/100
BL (0°-30°)	2324.6	8.7	B3/2500		
BM (30°-60°)	9706.8	36.1	B5		
BH (60°-80°)	1334.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	61.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0	4489.0
2.5°	4499.0	4452.3	4469.0	4479.0	4522.3	4519.0	4509.0	4522.3	4535.7	4539.0	4532.3
5°	4495.7	4462.3	4475.7	4485.7	4529.0	4552.3	4545.7	4602.3	4642.3	4632.3	4682.3
7.5°	4469.0	4489.0	4472.3	4522.3	4559.0	4615.6	4675.6	4728.9	4778.9	4835.6	4845.6
10°	4529.0	4529.0	4559.0	4599.0	4695.6	4738.9	4825.6	4902.2	4998.9	5065.5	5038.9
12.5°	4592.3	4602.3	4602.3	4705.6	4785.6	4882.2	4962.2	5065.5	5202.2	5282.2	5322.1
15°	4655.6	4662.3	4695.6	4835.6	4955.6	5108.9	5182.2	5275.5	5352.1	5502.1	5505.4
17.5°	4712.3	4748.9	4848.9	5005.6	5155.5	5302.2	5418.8	5515.4	5582.1	5642.1	5628.7
20°	4925.6	4952.2	5055.5	5212.2	5435.5	5578.8	5618.7	5635.4	5678.7	5798.7	5762.0
22.5°	5132.2	5142.2	5238.8	5478.8	5635.4	5825.4	5868.7	5858.7	5875.4	5905.4	5958.7
25°	5345.5	5362.1	5495.4	5698.7	5918.7	6145.3	6182.0	6105.3	6082.0	6115.3	6118.6
27.5°	5618.7	5622.1	5792.0	5968.7	6218.6	6431.9	6488.6	6428.6	6318.6	6345.3	6388.6
30°	5965.3	5942.0	6112.0	6365.2	6628.5	6748.5	6845.1	6815.1	6695.2	6671.8	6635.2
32.5°	6365.2	6371.9	6525.2	6801.8	6975.1	7175.1	7278.4	7228.4	7151.7	7111.7	7135.1
35°	6928.5	6958.4	7061.8	7291.7	7571.6	7671.6	7834.9	7728.3	7528.3	7578.3	7621.6
37.5°	7391.7	7478.3	7671.6	7944.9	8111.5	8294.8	8354.8	8211.5	8064.9	8004.9	8148.2
40°	8101.5	8074.9	8288.2	8561.4	8808.0	8991.3	8914.7	8771.4	8408.1	8411.5	8451.5
42.5°	8711.4	8724.7	8888.0	9214.6	9551.2	9664.5	9421.2	9071.3	8668.1	8624.7	8711.4
45°	9224.6	9277.9	9371.2	9807.8	10137.7	10261.0	9811.1	9397.9	8858.0	8678.1	8821.4
47.5°	9407.9	9494.6	9697.8	10097.8	10424.3	10524.3	10164.4	9571.2	9034.7	8741.4	8818.0
50°	9434.6	9404.6	9737.8	10104.4	10391.0	10607.6	10291.0	9697.8	8991.3	8838.0	8814.7
52.5°	8704.7	8851.4	9207.9	9711.2	10291.0	10637.6	10404.3	9767.8	9051.3	8878.0	8821.4
55°	7045.1	6871.8	7521.7	8368.1	9434.6	10397.7	10364.4	9804.5	9088.0	8944.7	8868.0
57.5°	3932.5	3982.4	4349.0	5268.8	6645.2	8244.8	9214.6	9417.9	9071.3	8988.0	9028.0
60°	1819.6	1836.3	1992.9	2422.8	3275.9	4675.6	5952.0	7248.4	7844.9	7964.9	7964.9
62.5°	1356.4	1349.7	1389.7	1466.3	1646.3	2149.5	2869.4	3899.1	4718.9	5292.2	5442.1
65°	1226.4	1223.1	1243.1	1269.7	1283.0	1353.0	1513.0	1829.6	2096.2	2249.5	2222.8
67.5°	1073.1	1069.8	1076.4	1093.1	1116.4	1153.1	1193.1	1259.7	1353.0	1346.4	1329.7
70°	866.5	866.5	876.5	889.8	916.5	959.8	1006.4	1053.1	1133.1	1149.7	1146.4
72.5°	639.9	629.9	649.9	676.5	703.2	756.5	806.5	849.8	906.5	923.1	916.5
75°	406.6	413.2	426.6	456.6	503.2	539.9	593.2	629.9	666.5	679.8	683.2
77.5°	226.6	233.3	256.6	293.3	339.9	379.9	426.6	456.6	479.9	483.2	486.6
80°	136.6	140.0	163.3	196.6	236.6	279.9	316.6	346.6	366.6	356.6	353.3
82.5°	83.3	86.6	106.6	136.6	170.0	203.3	243.3	269.9	289.9	276.6	263.3
85°	43.3	46.7	63.3	83.3	110.0	126.6	126.6	113.3	110.0	103.3	100.0
87.5°	13.3	13.3	16.7	20.0	16.7	20.0	23.3	26.7	26.7	30.0	26.7
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)