

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: P532286

Luminaire Tested: **GALN-SA7C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532286  
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-SA7C-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 31542 lumens  
Efficiency: N/A  
Efficacy: 83.7 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

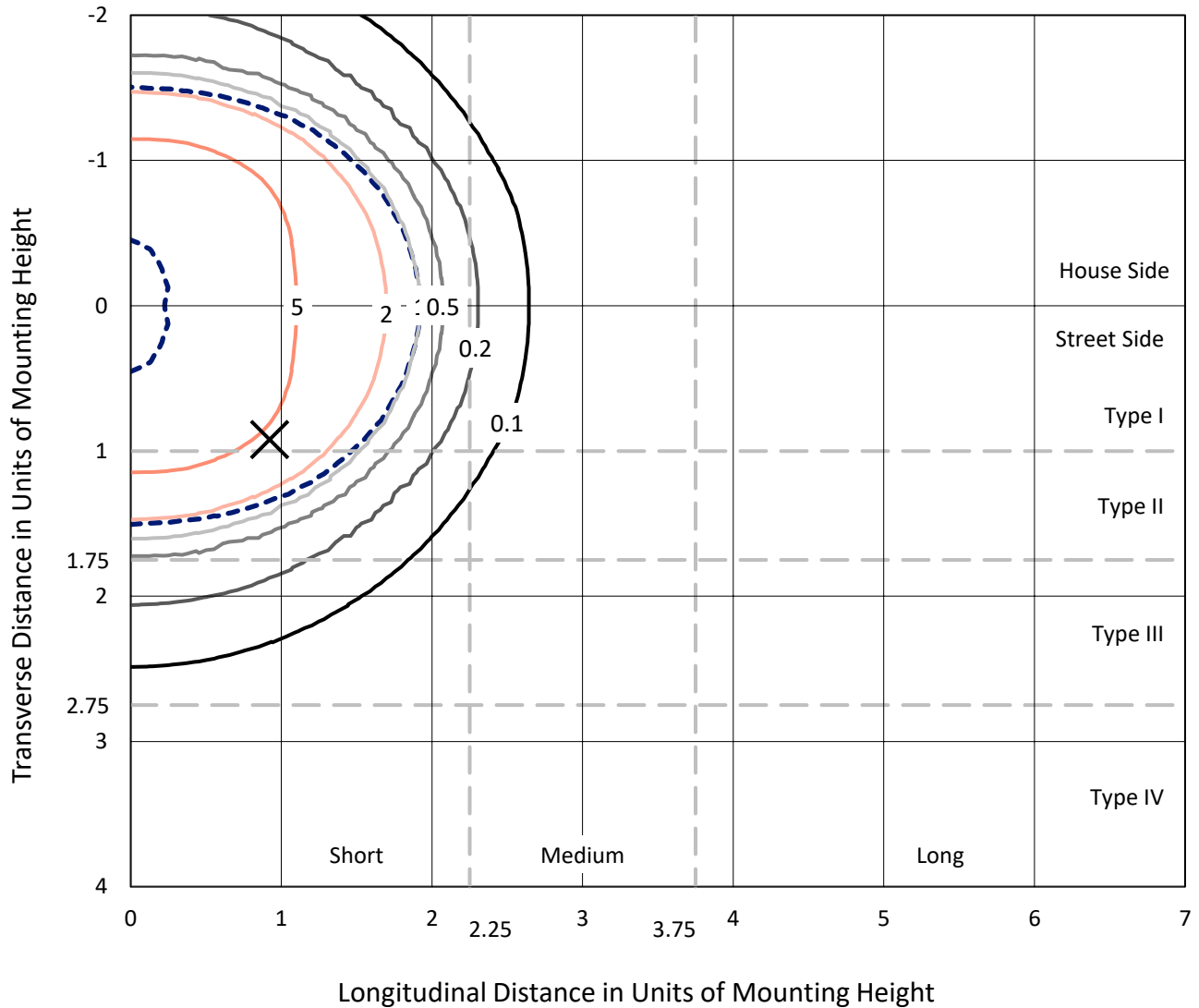
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

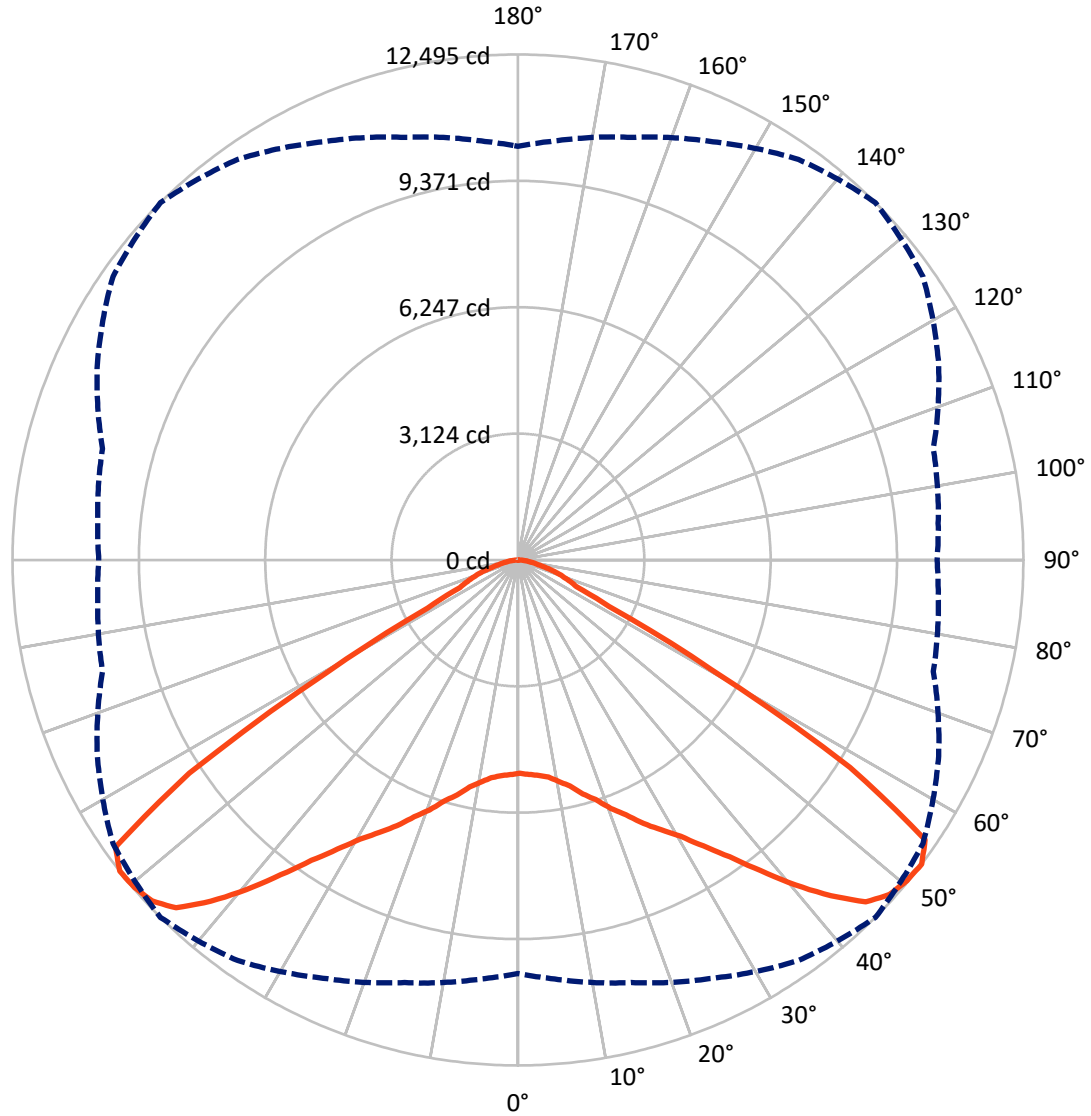
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	15771.0	0.0	15771.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15771.0	0.0	15771.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31542.0	0.0	31542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.0	1.6
10°-20°	1702.2	5.4
20°-30°	3240.7	10.3
30°-40°	5564.6	17.6
40°-50°	8552.9	27.1
50°-60°	8685.3	27.5
60°-70°	2420.5	7.7
70°-80°	714.0	2.3
80°-90°	143.8	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°	31542.0	100.0
0°-180°	31542.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P532286

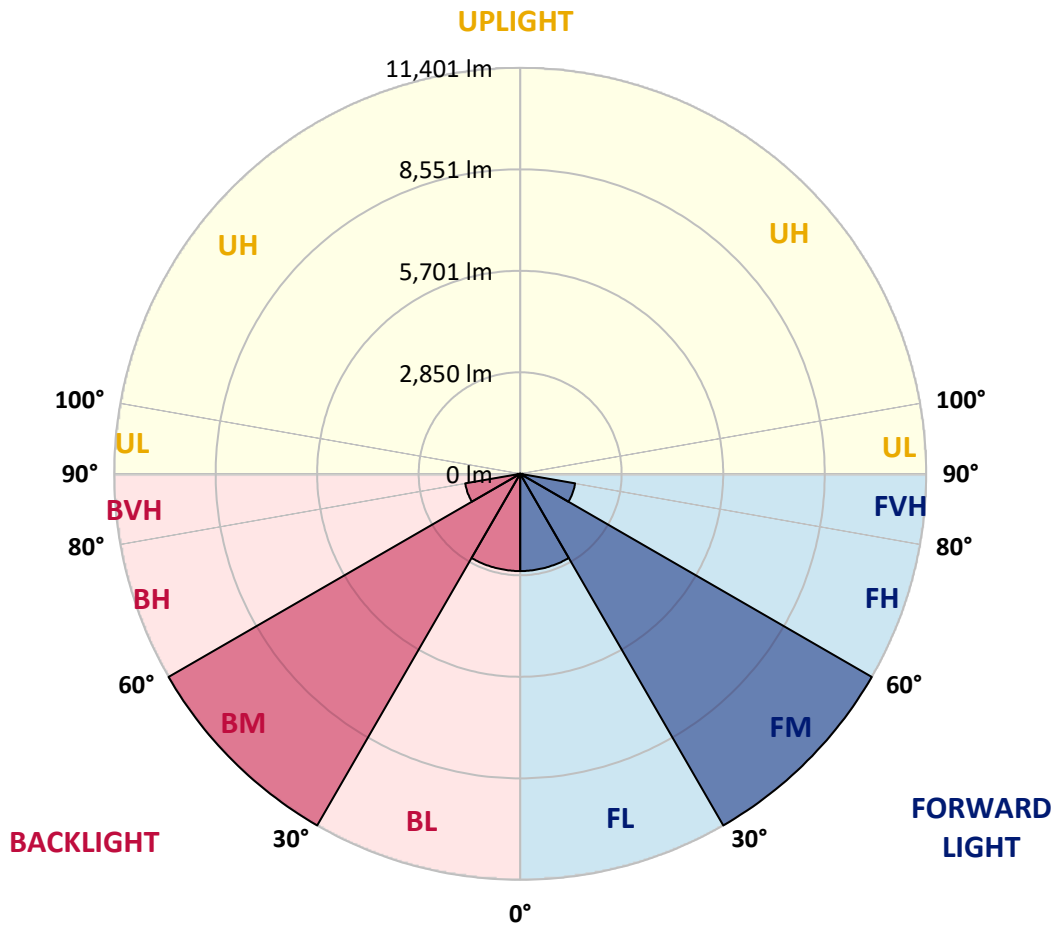
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2730.5	8.7			
FM (30°-60°)	11401.4	36.1			
FH (60°-80°)	1567.2	5.0			G1/1800
FVH (80°-90°)	71.9	0.2			G1/100
BL (0°-30°)	2730.5	8.7	B4/5000		
BM (30°-60°)	11401.4	36.1	B5		
BH (60°-80°)	1567.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	71.9	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°	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7	5272.7
2.5°	5284.4	5229.6	5249.2	5260.9	5311.8	5307.9	5296.1	5311.8	5327.5	5331.4	5323.5
5°	5280.5	5241.3	5257.0	5268.7	5319.6	5347.0	5339.2	5405.7	5452.7	5441.0	5499.7
7.5°	5249.2	5272.7	5253.1	5311.8	5354.9	5421.4	5491.9	5554.5	5613.2	5679.8	5691.5
10°	5319.6	5319.6	5354.9	5401.8	5515.4	5566.2	5668.0	5758.0	5871.6	5949.8	5918.5
12.5°	5394.0	5405.7	5405.7	5527.1	5621.0	5734.6	5828.5	5949.8	6110.3	6204.3	6251.3
15°	5468.4	5476.2	5515.4	5679.8	5820.7	6000.7	6086.9	6196.5	6286.5	6462.6	6466.5
17.5°	5534.9	5578.0	5695.4	5879.4	6055.5	6227.8	6364.8	6478.3	6556.6	6627.0	6611.4
20°	5785.4	5816.8	5938.1	6122.1	6384.3	6552.7	6599.6	6619.2	6670.1	6811.0	6768.0
22.5°	6028.1	6039.9	6153.4	6435.2	6619.2	6842.3	6893.2	6881.5	6901.0	6936.3	6998.9
25°	6278.7	6298.2	6454.8	6693.6	6951.9	7218.1	7261.2	7171.1	7143.7	7182.9	7186.8
27.5°	6599.6	6603.5	6803.2	7010.6	7304.2	7554.7	7621.3	7550.8	7421.7	7453.0	7503.9
30°	7006.7	6979.3	7179.0	7476.5	7785.7	7926.6	8040.1	8004.9	7864.0	7836.6	7793.5
32.5°	7476.5	7484.3	7664.3	7989.2	8192.8	8427.6	8549.0	8490.3	8400.2	8353.3	8380.7
35°	8138.0	8173.2	8294.6	8564.6	8893.5	9010.9	9202.7	9077.4	8842.6	8901.3	8952.2
37.5°	8682.1	8783.9	9010.9	9331.9	9527.6	9742.9	9813.3	9645.0	9472.8	9402.3	9570.6
40°	9515.8	9484.5	9735.0	10056.0	10345.7	10561.0	10470.9	10302.6	9876.0	9879.9	9926.9
42.5°	10232.2	10247.8	10439.6	10823.2	11218.6	11351.7	11065.9	10654.9	10181.3	10130.4	10232.2
45°	10835.0	10897.6	11007.2	11520.0	11907.5	12052.4	11523.9	11038.5	10404.4	10193.0	10361.3
47.5°	11050.3	11152.0	11390.8	11860.6	12244.2	12361.6	11938.8	11242.1	10611.9	10267.4	10357.4
50°	11081.6	11046.4	11437.8	11868.4	12205.0	12459.5	12087.6	11390.8	10561.0	10380.9	10353.5
52.5°	10224.3	10396.6	10815.4	11406.5	12087.6	12494.7	12220.7	11473.0	10631.4	10427.9	10361.3
55°	8275.0	8071.4	8834.7	9829.0	11081.6	12212.8	12173.7	11516.1	10674.5	10506.2	10416.1
57.5°	4619.0	4677.7	5108.3	6188.6	7805.3	9684.2	10823.2	11062.0	10654.9	10557.1	10604.0
60°	2137.2	2156.8	2340.8	2845.7	3847.8	5491.9	6991.1	8513.8	9214.4	9355.4	9355.4
62.5°	1593.1	1585.3	1632.3	1722.3	1933.7	2524.8	3370.3	4579.8	5542.8	6216.0	6392.2
65°	1440.5	1436.6	1460.1	1491.4	1507.0	1589.2	1777.1	2149.0	2462.1	2642.2	2610.9
67.5°	1260.4	1256.5	1264.3	1283.9	1311.3	1354.4	1401.3	1479.6	1589.2	1581.4	1561.8
70°	1017.7	1017.7	1029.5	1045.1	1076.5	1127.3	1182.1	1236.9	1330.9	1350.5	1346.5
72.5°	751.6	739.8	763.3	794.6	825.9	888.6	947.3	998.2	1064.7	1084.3	1076.5
75°	477.6	485.4	501.0	536.3	591.1	634.1	696.8	739.8	782.9	798.5	802.4
77.5°	266.2	274.0	301.4	344.5	399.3	446.2	501.0	536.3	563.7	567.6	571.5
80°	160.5	164.4	191.8	230.9	277.9	328.8	371.9	407.1	430.6	418.8	414.9
82.5°	97.9	101.8	125.3	160.5	199.6	238.8	285.7	317.1	340.6	324.9	309.2
85°	50.9	54.8	74.4	97.9	129.2	148.7	148.7	133.1	129.2	121.3	117.4
87.5°	15.7	15.7	19.6	23.5	19.6	23.5	27.4	31.3	31.3	35.2	31.3
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)