

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: P533608

Luminaire Tested: **GALN-SA9A-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9A-740-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35172 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

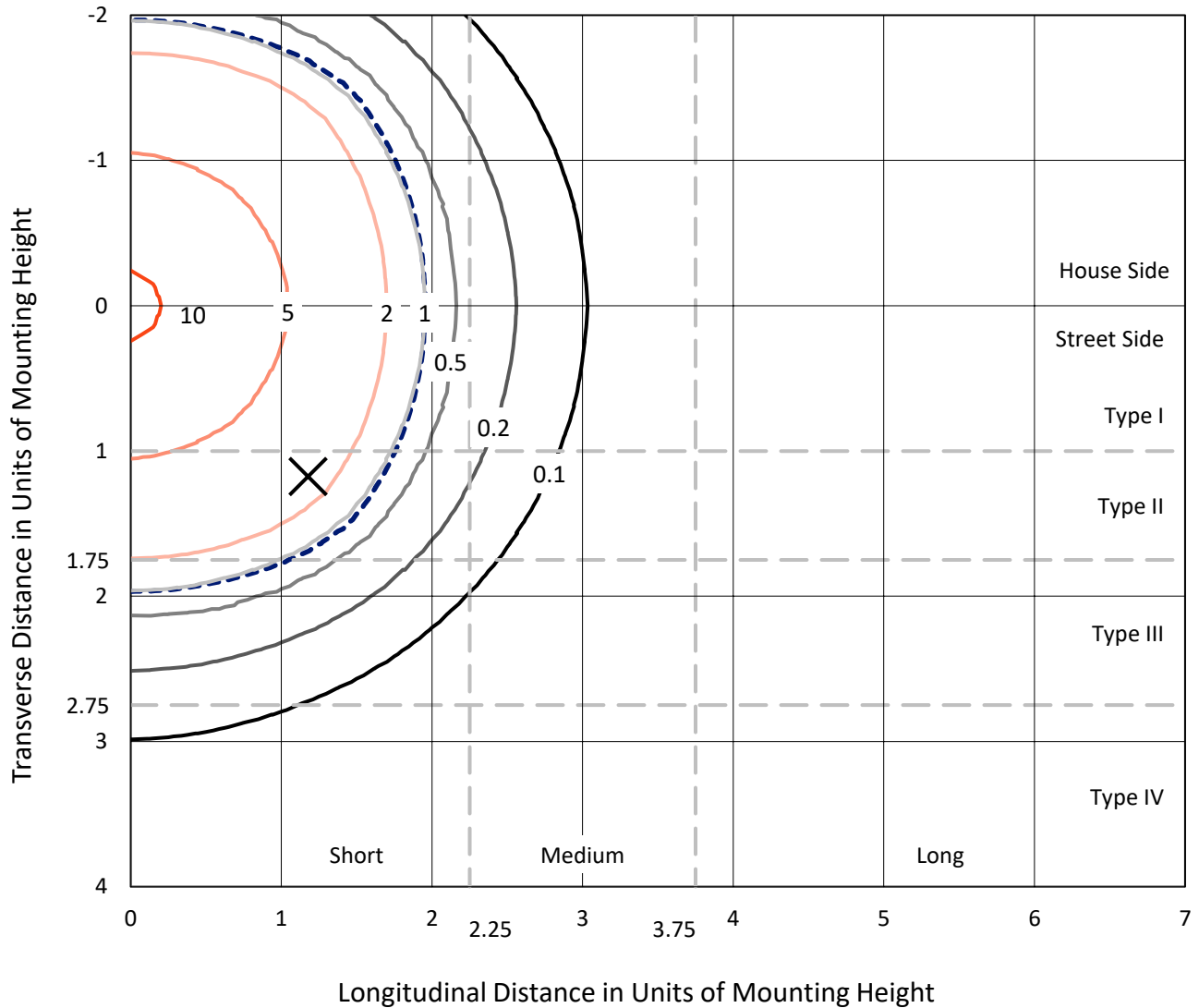
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

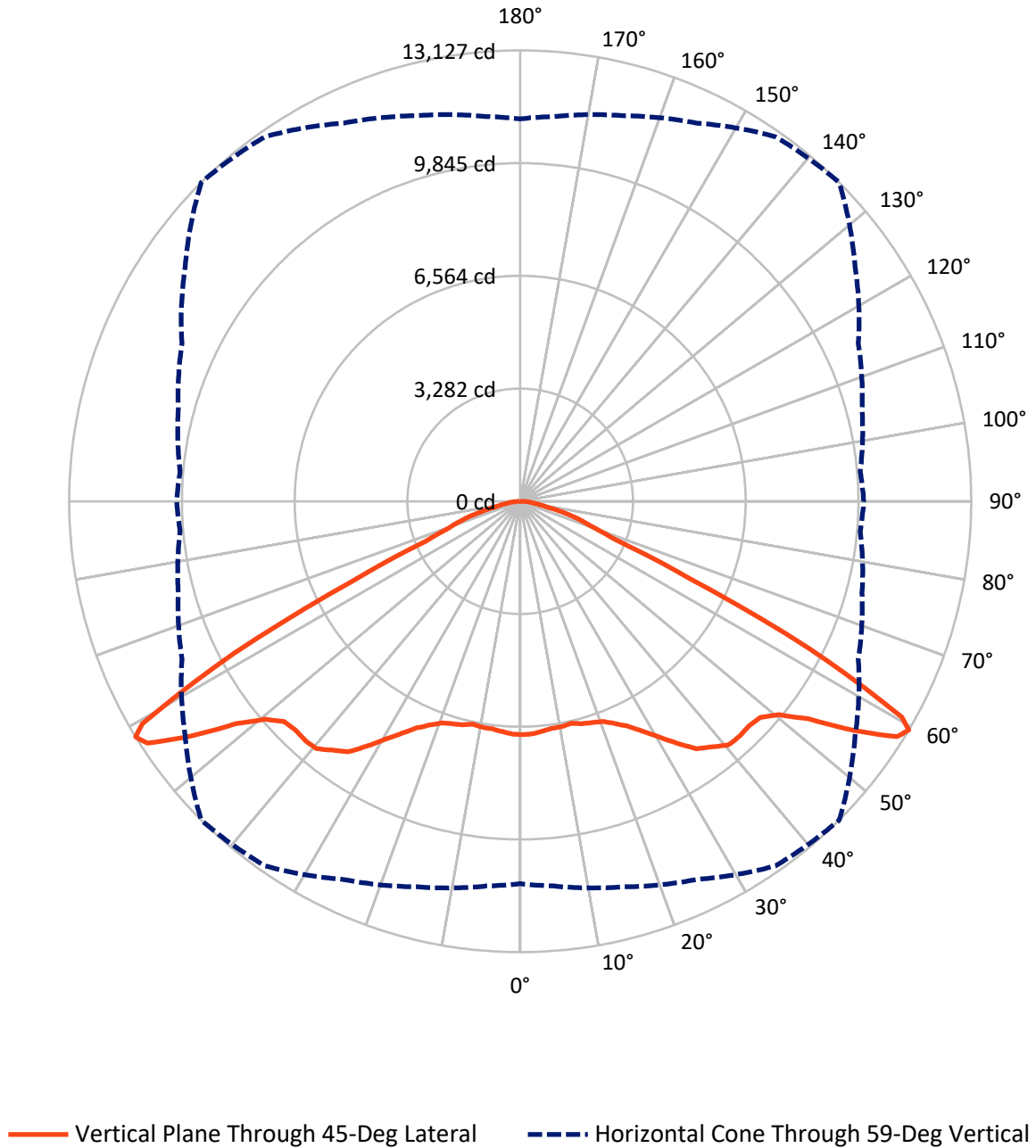
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	17586.0	0.0	17586.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17586.0	0.0	17586.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35172.0	0.0	35172.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	640.4	1.8
10°-20°	1904.5	5.4
20°-30°	3325.4	9.5
30°-40°	5311.2	15.1
40°-50°	7234.9	20.6
50°-60°	9783.5	27.8
60°-70°	5365.3	15.3
70°-80°	1372.6	3.9
80°-90°	234.1	0.7
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°	35172.0	100.0
0°-180°	35172.0	100.0

**Coefficient of Utilization**



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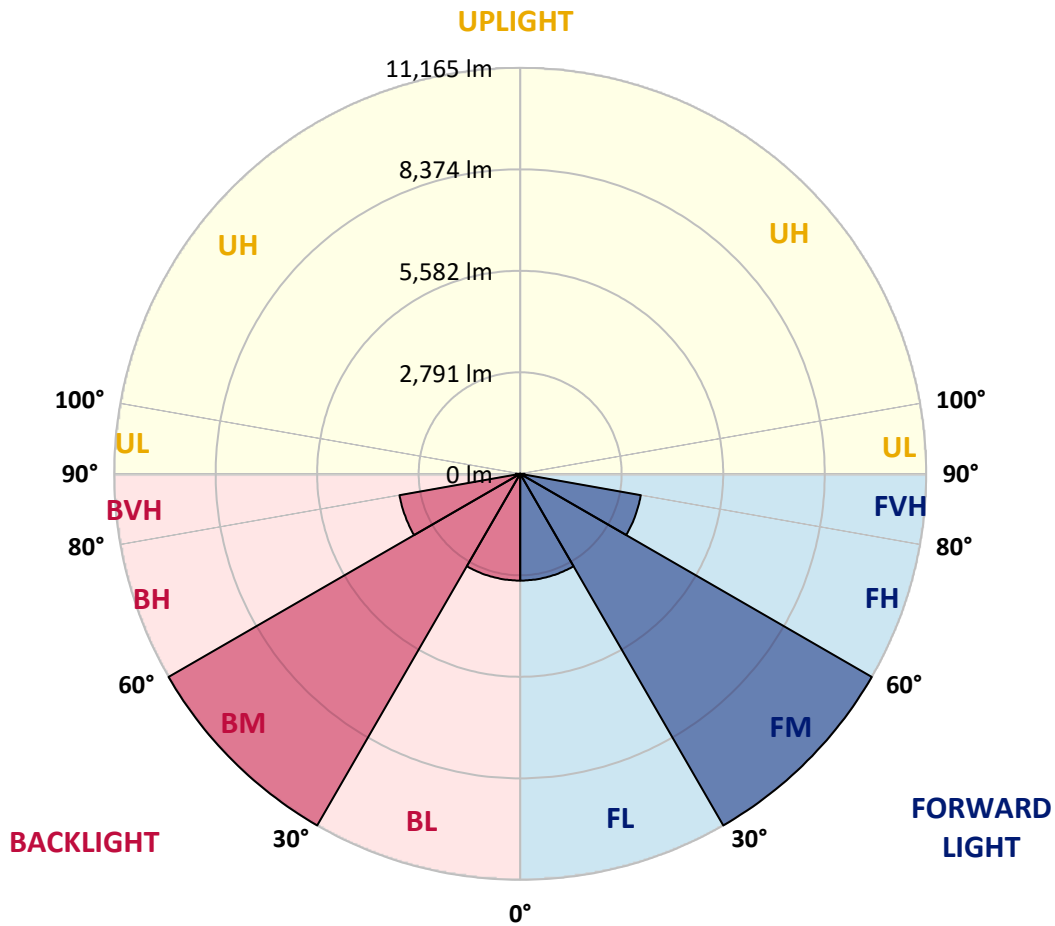
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2935.2	8.3			
FM (30°-60°)	11164.8	31.7			
FH (60°-80°)	3369.0	9.6			G2/5000
FVH (80°-90°)	117.1	0.3			G2/225
BL (0°-30°)	2935.2	8.3	B4/5000		
BM (30°-60°)	11164.8	31.7	B5		
BH (60°-80°)	3369.0	9.6	B4/5000		G2/5000
BVH (80°-90°)	117.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5	6793.5
2.5°	6753.0	6802.6	6766.5	6798.1	6793.5	6780.0	6757.5	6744.0	6725.9	6753.0	6707.9
5°	6725.9	6766.5	6807.1	6753.0	6753.0	6725.9	6712.4	6685.4	6685.4	6680.8	6676.3
7.5°	6771.0	6730.4	6712.4	6721.4	6730.4	6671.8	6712.4	6658.3	6613.2	6644.8	6680.8
10°	6730.4	6748.5	6680.8	6712.4	6662.8	6671.8	6644.8	6680.8	6631.3	6631.3	6631.3
12.5°	6771.0	6721.4	6744.0	6721.4	6707.9	6631.3	6667.3	6626.8	6622.2	6667.3	6626.8
15°	6852.2	6771.0	6753.0	6707.9	6721.4	6721.4	6685.4	6689.9	6640.3	6667.3	6676.3
17.5°	6825.1	6780.0	6766.5	6712.4	6757.5	6771.0	6703.4	6658.3	6689.9	6685.4	6680.8
20°	6847.6	6865.7	6852.2	6861.2	6879.2	6843.1	6780.0	6716.9	6676.3	6734.9	6730.4
22.5°	6991.9	6973.9	6964.9	6955.8	6987.4	7023.5	6937.8	6838.6	6838.6	6879.2	6897.2
25°	7109.1	7104.6	7100.1	7140.7	7248.9	7248.9	7140.7	7014.4	6982.9	7009.9	6987.4
27.5°	7280.4	7330.0	7312.0	7384.1	7541.9	7577.9	7433.7	7284.9	7199.3	7167.7	7208.3
30°	7672.6	7614.0	7627.5	7704.2	7843.9	7961.1	7740.2	7582.4	7465.2	7460.7	7478.8
32.5°	7934.1	7979.2	8019.7	8091.9	8312.7	8402.9	8136.9	7880.0	7807.8	7767.3	7780.8
35°	8457.0	8416.4	8407.4	8479.5	8700.4	8849.2	8515.6	8290.2	8195.5	8285.7	8285.7
37.5°	8952.9	8840.2	8754.5	8849.2	9052.1	9070.1	8786.1	8664.4	8614.8	8718.5	8714.0
40°	9187.3	9178.3	8979.9	9034.0	9304.5	9331.5	9065.6	8921.3	8912.3	9047.5	9182.8
42.5°	9430.7	9345.1	9146.7	9182.8	9349.6	9358.6	9106.1	9065.6	9164.8	9295.5	9304.5
45°	9471.3	9399.2	9272.9	9182.8	9304.5	9331.5	9182.8	9209.8	9218.8	9376.6	9376.6
47.5°	9552.4	9543.4	9471.3	9403.7	9426.2	9403.7	9309.0	9349.6	9484.8	9561.5	9525.4
50°	9777.8	9683.2	9755.3	9696.7	9701.2	9764.3	9678.7	9719.2	9692.2	9624.6	9579.5
52.5°	10273.7	10228.6	10291.8	10332.3	10377.4	10521.7	10422.5	10206.1	10003.2	9822.9	9818.4
55°	10999.5	11031.1	11152.8	11360.1	11536.0	11765.9	11288.0	10769.6	10445.0	10161.0	10179.1
57.5°	11684.7	11662.2	11829.0	12302.3	12816.2	12933.4	11995.8	11256.5	10729.0	10548.7	10472.1
59°	11134.7	11242.9	11621.6	12149.0	12956.0	13127.3	11901.1	10859.8	10300.8	9935.6	9998.7
60°	10269.2	10309.8	10647.9	11382.7	12473.6	12766.6	11265.5	10246.7	9502.9	9291.0	9385.6
62.5°	7257.9	7226.3	7469.7	8069.3	9047.5	9444.2	8375.9	7659.1	7190.3	6955.8	7009.9
65°	3858.8	4003.1	4102.3	4476.4	4994.9	5414.1	4972.3	4661.3	4399.8	4206.0	4201.5
67.5°	2605.6	2587.6	2610.1	2695.8	2871.6	2988.8	2979.8	2822.0	2799.5	2763.4	2804.0
70°	2195.4	2186.4	2145.8	2145.8	2181.9	2208.9	2240.5	2258.5	2294.6	2339.6	2335.1
72.5°	1780.7	1758.1	1731.1	1717.5	1762.6	1776.2	1816.7	1834.8	1866.3	1861.8	1902.4
75°	1176.6	1176.6	1208.1	1244.2	1257.7	1284.8	1289.3	1343.4	1343.4	1352.4	1316.3
77.5°	658.2	640.1	662.7	698.7	730.3	779.9	829.5	870.0	892.6	883.6	883.6
80°	383.2	383.2	405.7	446.3	486.9	531.9	568.0	599.6	622.1	613.1	595.1
82.5°	238.9	238.9	261.5	302.0	333.6	360.6	410.2	450.8	477.8	468.8	446.3
85°	121.7	121.7	148.8	175.8	216.4	234.4	229.9	211.9	207.4	184.8	184.8
87.5°	31.6	31.6	45.1	49.6	40.6	45.1	45.1	45.1	45.1	45.1	49.6
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)