

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: P526093

Luminaire Tested: **GALN-SA1A-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2248 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

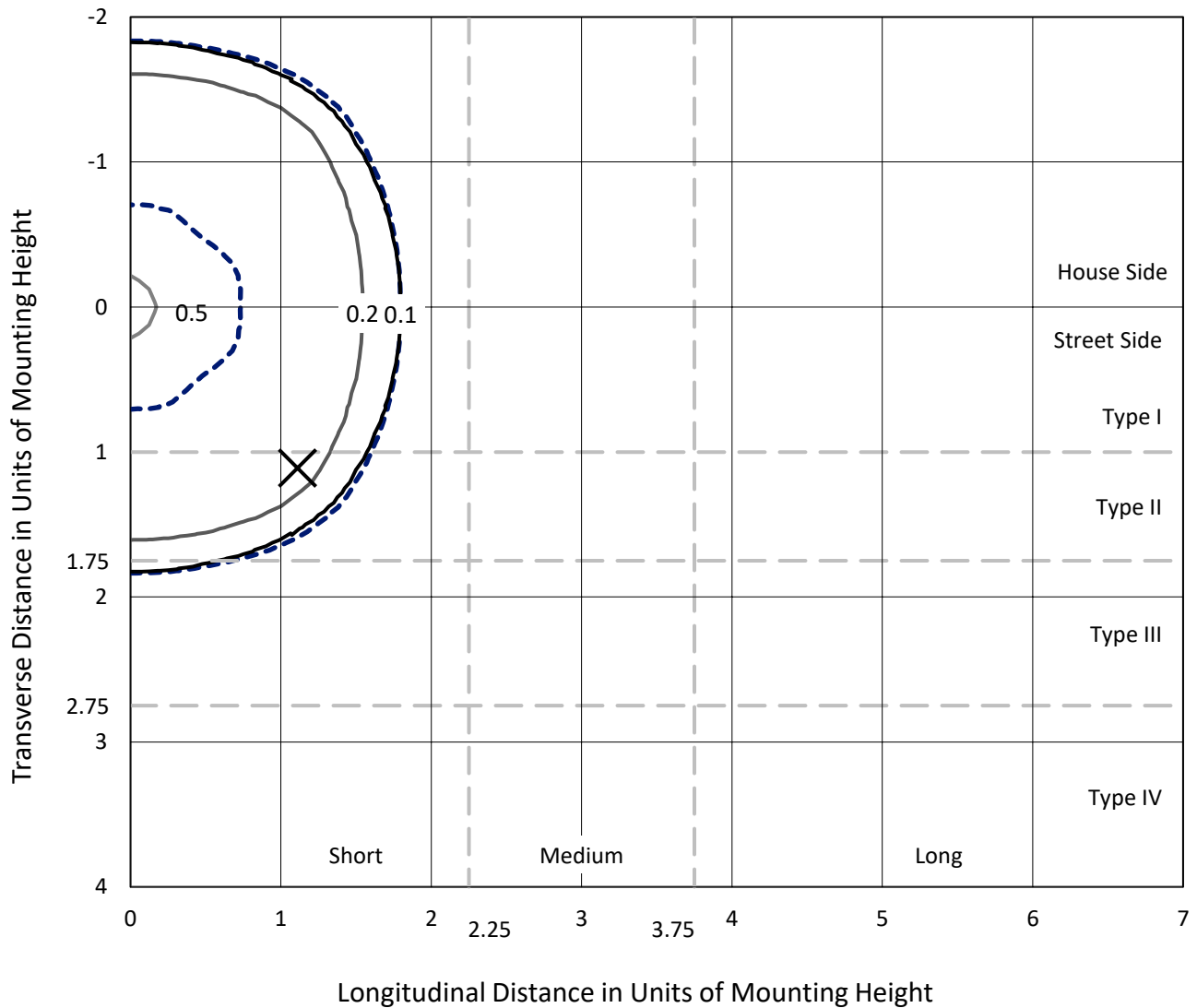
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

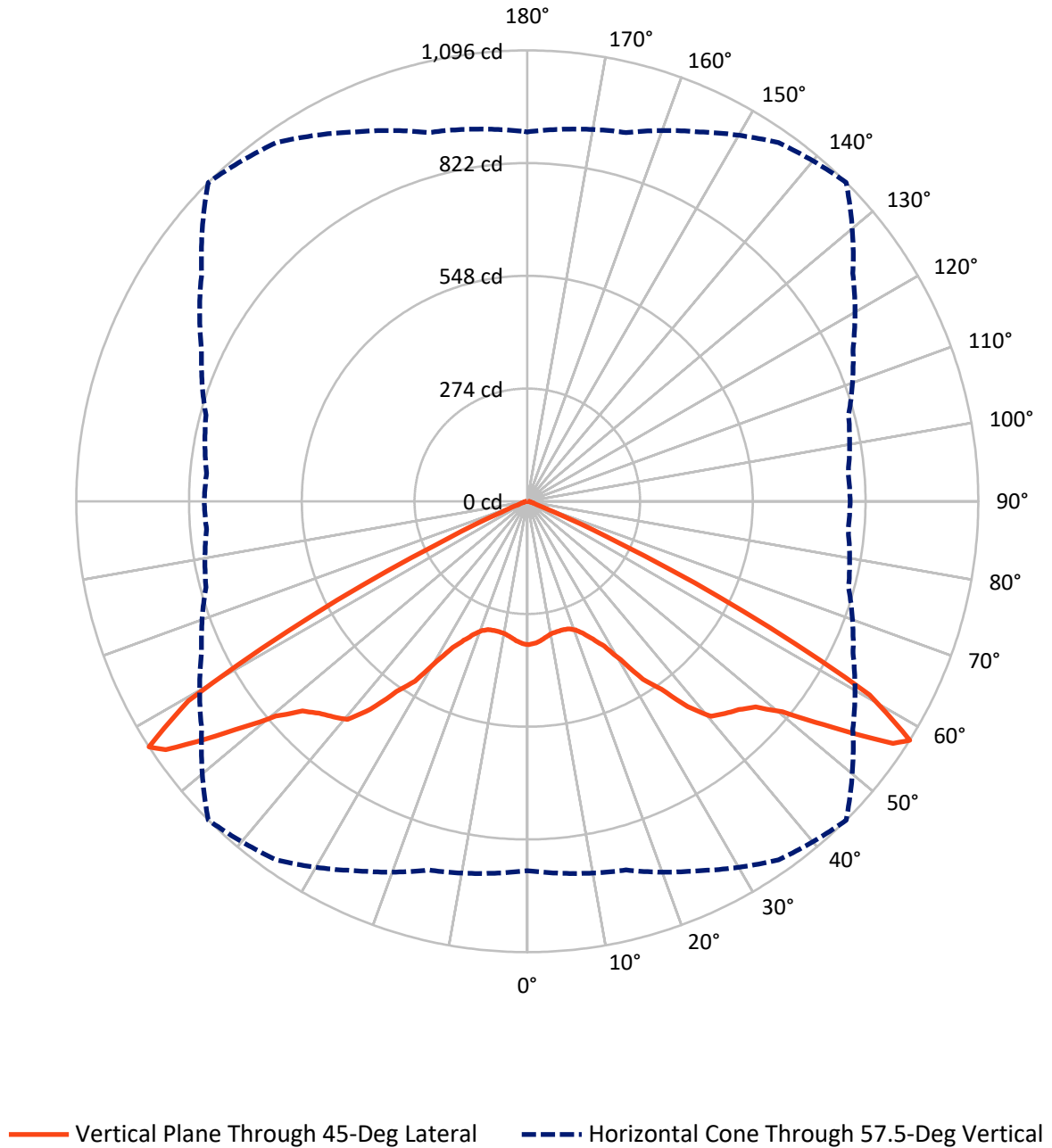
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	1124.0	0.0	1124.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1124.0	0.0	1124.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2248.0	0.0	2248.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.0	1.4
10°-20°	92.6	4.1
20°-30°	171.0	7.6
30°-40°	336.2	15.0
40°-50°	547.6	24.4
50°-60°	780.9	34.7
60°-70°	270.4	12.0
70°-80°	14.5	0.6
80°-90°	2.7	0.1
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°	2248.0	100.0
0°-180°	2248.0	100.0

**Coefficient of Utilization**



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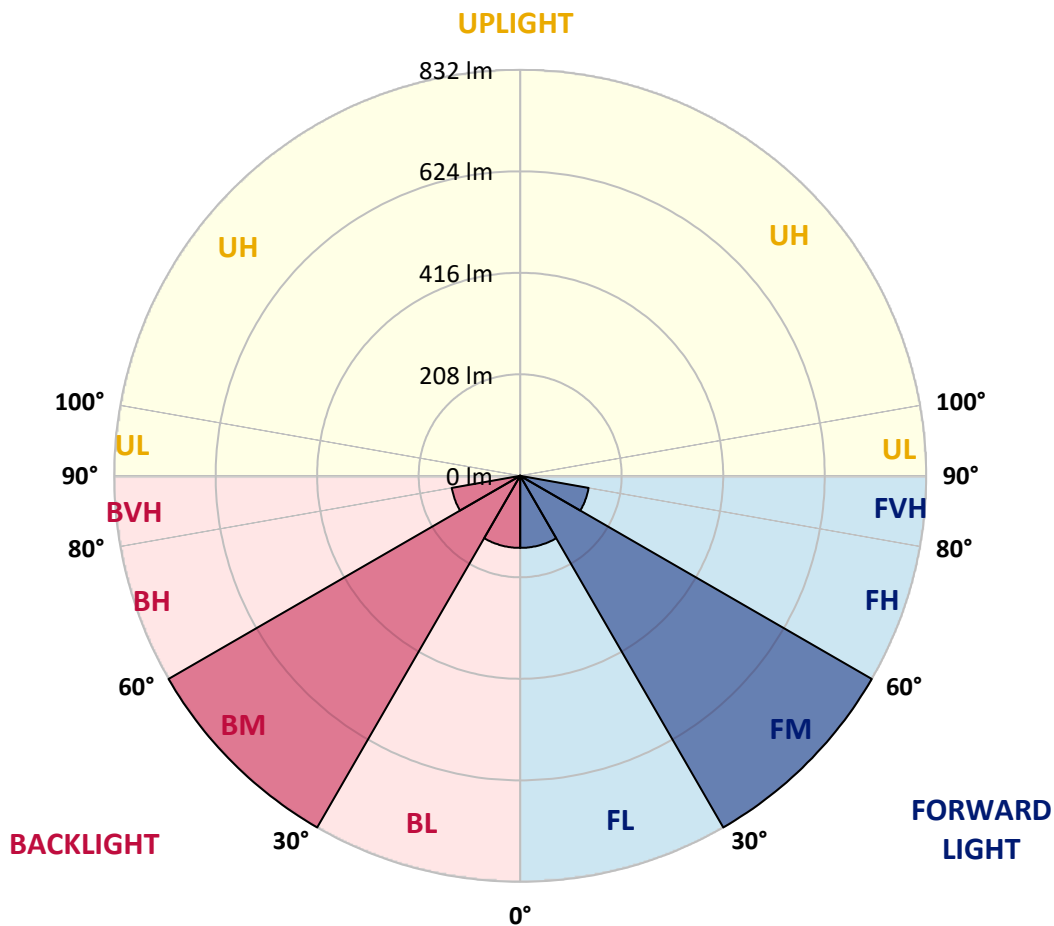
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.8	6.6			
FM (30°-60°)	832.4	37.0			
FH (60°-80°)	142.4	6.3			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	147.8	6.6	B1/500		
BM (30°-60°)	832.4	37.0	B1/1000		
BH (60°-80°)	142.4	6.3	B1/500		G0/660
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7	348.7
2.5°	347.8	349.6	347.3	346.3	345.9	345.9	344.5	344.5	344.0	344.5	342.6
5°	342.1	344.0	344.0	343.5	340.7	340.3	338.8	337.9	338.4	336.5	337.9
7.5°	336.5	337.9	336.0	335.6	334.6	332.8	332.3	328.1	328.5	328.5	329.5
10°	335.6	335.1	332.3	329.9	327.1	326.7	325.3	324.3	324.3	323.8	325.3
12.5°	335.6	333.2	332.8	327.6	322.9	324.8	321.0	318.7	322.0	322.9	324.8
15°	335.1	337.4	329.5	327.1	323.8	324.3	321.0	318.7	320.6	321.5	322.9
17.5°	337.9	336.5	334.2	329.5	328.1	326.2	322.0	320.1	320.1	322.4	322.9
20°	345.4	341.7	337.0	334.6	336.0	333.7	328.5	321.5	323.4	325.3	326.7
22.5°	352.4	349.6	346.3	344.9	352.9	349.2	340.3	332.3	329.5	332.8	335.1
25°	366.0	366.0	359.9	361.8	370.7	371.2	360.9	346.8	344.9	346.3	347.3
27.5°	393.7	395.1	389.9	391.8	395.6	398.8	389.9	378.2	374.0	373.5	374.9
30°	423.7	426.5	426.0	434.0	444.8	446.6	433.5	414.3	401.6	399.3	401.2
32.5°	463.0	464.4	463.5	472.9	501.9	515.5	481.3	454.1	437.3	441.5	437.3
35°	537.1	535.7	525.4	527.3	551.2	561.0	528.2	510.8	502.9	511.3	509.4
37.5°	600.8	595.7	587.2	599.4	624.3	633.2	599.0	568.5	554.0	568.0	574.1
40°	654.7	641.6	629.9	642.1	675.3	687.5	637.4	612.5	606.9	617.2	630.4
42.5°	700.2	691.8	676.3	677.2	699.3	704.9	664.6	650.0	644.4	660.8	667.4
45°	732.5	724.6	710.0	709.1	726.0	722.2	686.1	676.3	679.6	690.3	693.6
47.5°	748.9	753.1	744.7	747.1	756.0	747.1	718.5	718.5	711.0	717.5	714.2
50°	796.3	783.1	793.9	793.9	803.3	804.2	775.6	765.3	745.2	733.9	733.9
52.5°	851.6	852.5	856.7	872.2	888.1	901.7	860.9	816.9	783.1	768.6	766.7
55°	897.0	906.4	923.3	952.3	998.3	1017.0	946.7	868.0	826.7	804.2	799.5
56°	921.9	913.0	942.0	981.9	1041.8	1066.2	960.8	878.3	832.8	807.5	807.0
57.5°	898.0	907.8	928.0	990.8	1064.3	1096.2	965.9	873.6	808.5	782.7	785.0
60°	709.1	718.5	745.6	815.9	931.2	956.1	817.4	720.3	662.2	625.2	625.7
62.5°	401.2	408.2	429.3	494.4	566.1	590.1	509.4	444.8	404.5	383.8	377.3
65°	147.6	144.8	148.1	181.4	225.4	245.6	211.8	179.0	157.9	150.4	147.6
67.5°	55.3	51.1	47.8	51.1	64.2	68.0	62.3	52.0	48.7	50.1	51.1
70°	34.2	32.3	25.8	24.4	23.9	23.4	24.8	26.2	30.0	35.2	36.1
72.5°	23.9	22.5	18.3	17.3	16.4	15.9	18.3	20.2	23.4	27.2	27.7
75°	9.4	9.8	9.4	10.3	10.8	11.2	13.1	14.5	15.9	15.9	15.5
77.5°	1.9	1.9	2.8	3.7	4.7	6.1	8.9	10.3	10.8	10.3	8.9
80°	0.0	0.0	0.9	1.9	3.7	5.2	8.0	8.9	9.8	8.9	7.0
82.5°	0.0	0.0	0.9	2.3	3.7	4.7	7.5	9.4	10.8	9.8	7.5
85°	0.0	0.0	0.9	1.9	2.8	3.3	3.3	2.3	2.3	1.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)