

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: P526037

Luminaire Tested: **GALN-SA1A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2323 lumens  
Efficiency: N/A  
Efficacy: 70.4 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

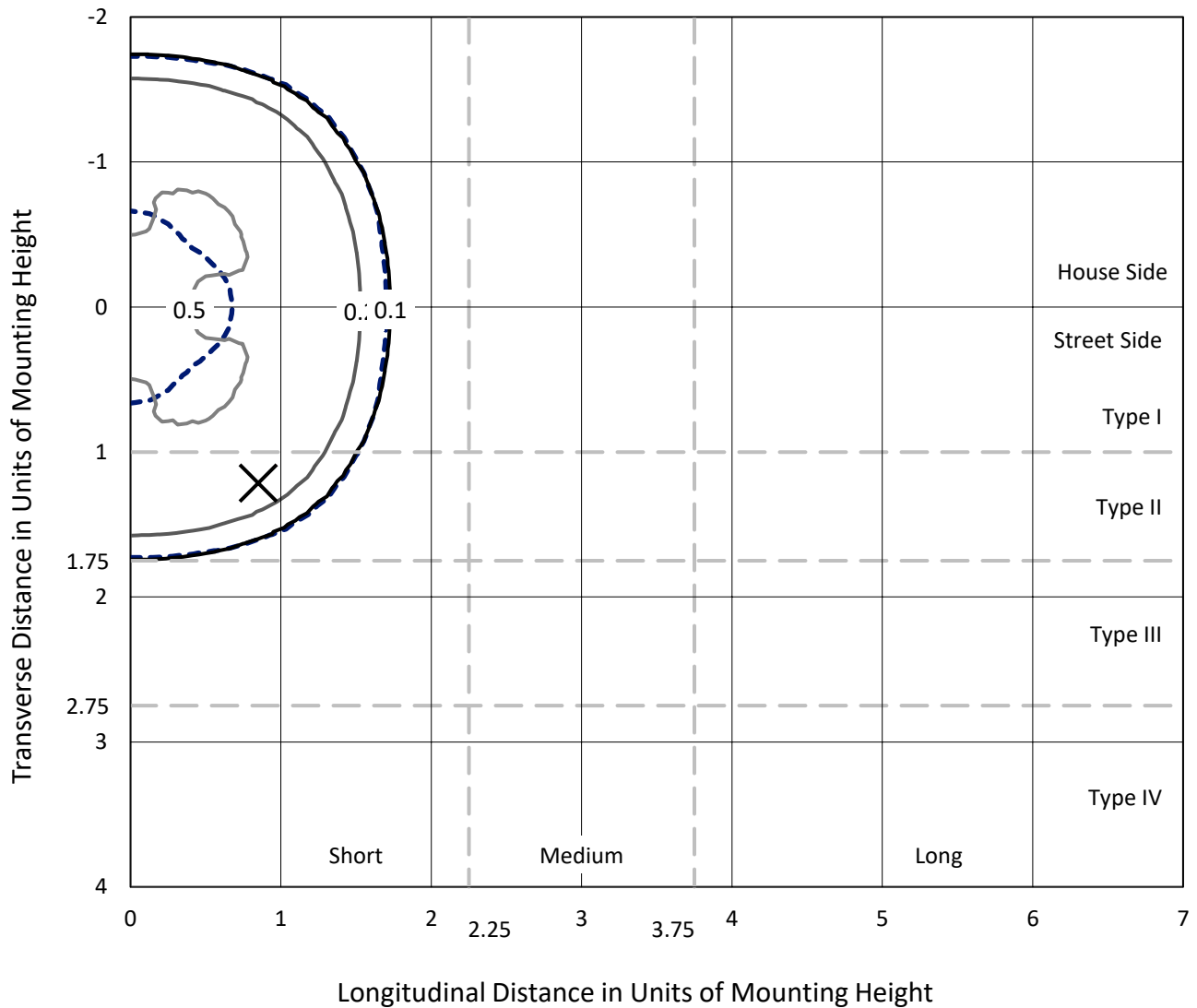
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

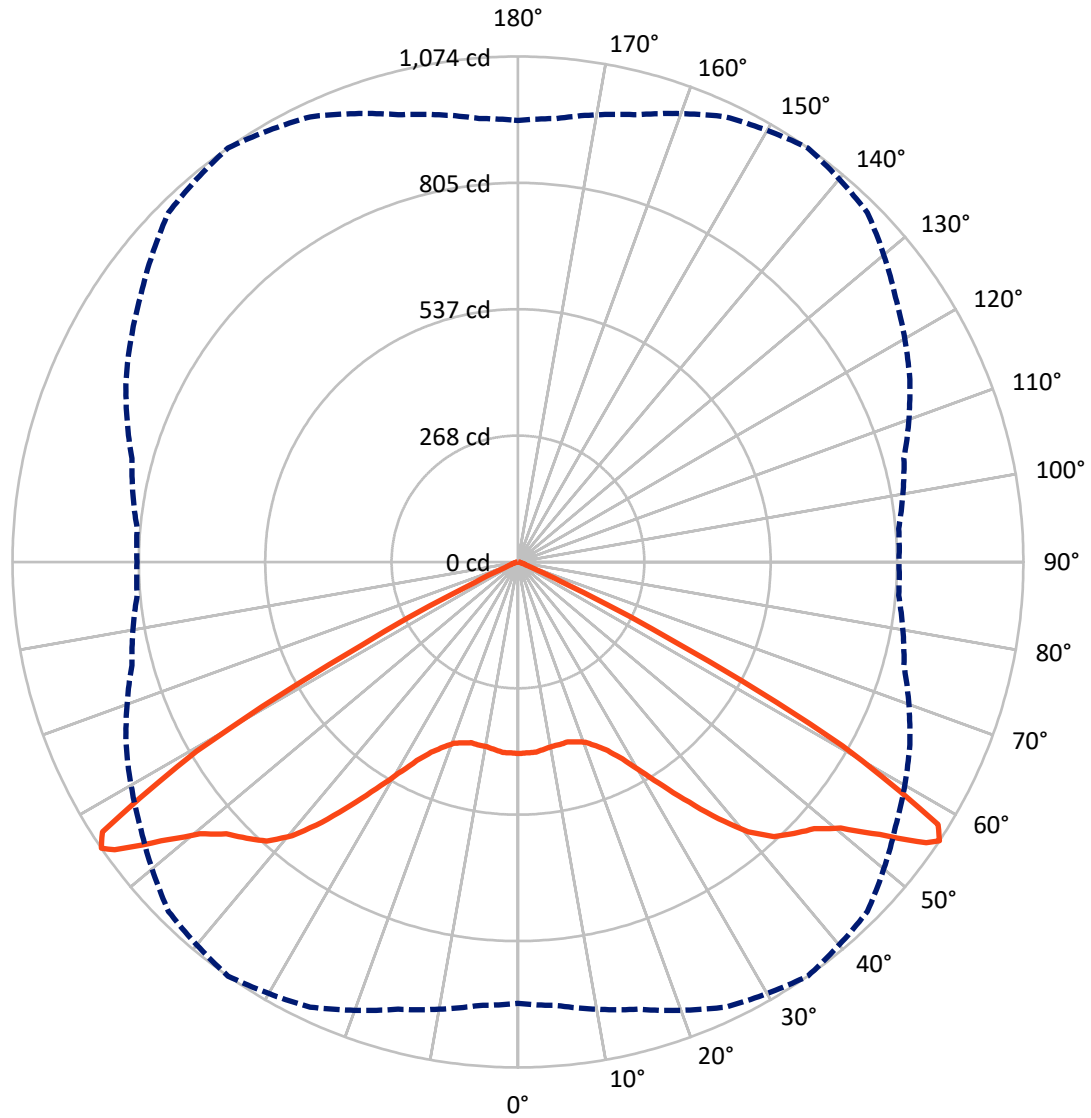
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.5	0.0	1161.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1161.5	0.0	1161.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2323.0	0.0	2323.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	1.6
10°-20°	111.7	4.8
20°-30°	202.3	8.7
30°-40°	375.0	16.1
40°-50°	615.6	26.5
50°-60°	793.1	34.1
60°-70°	174.8	7.5
70°-80°	10.1	0.4
80°-90°	2.1	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°	2323.0	100.0
0°-180°	2323.0	100.0

**Coefficient of Utilization**



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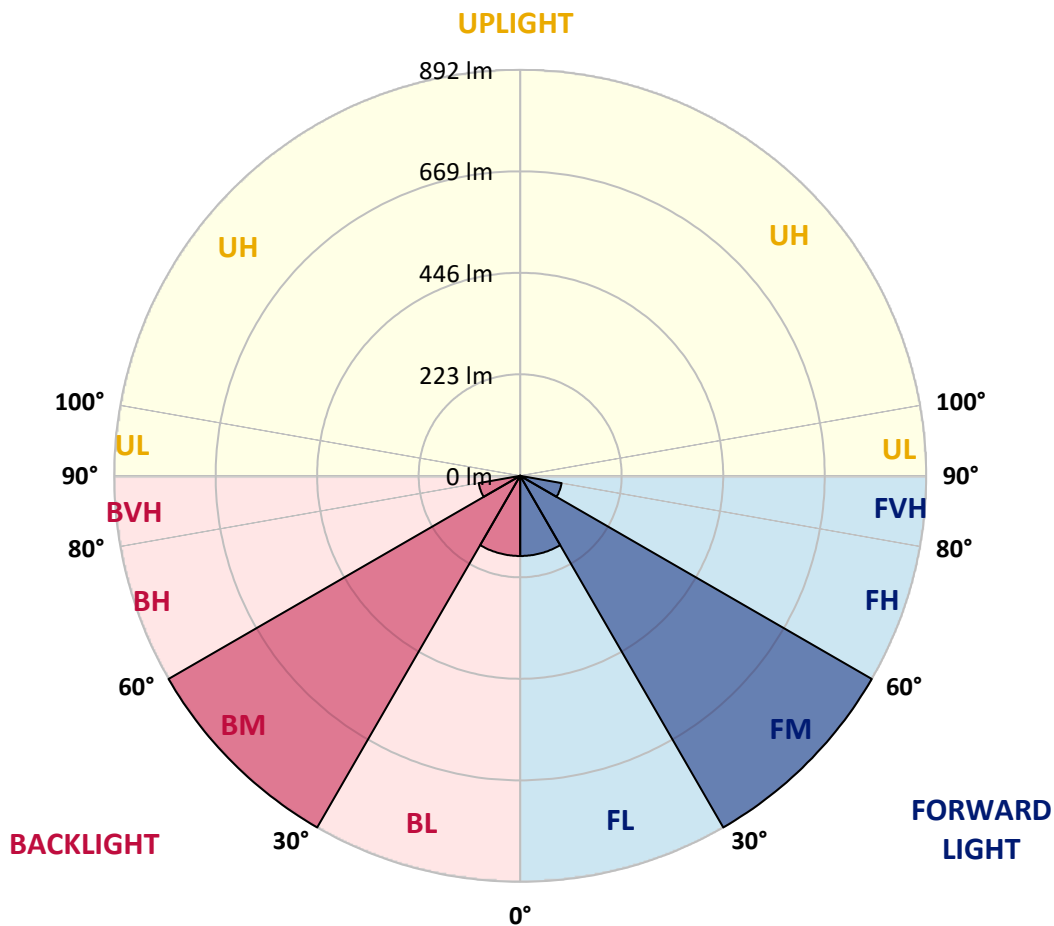
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.1	7.6			
FM (30°-60°)	891.9	38.4			
FH (60°-80°)	92.5	4.0			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	176.1	7.6	B1/500		
BM (30°-60°)	891.9	38.4	B1/1000		
BH (60°-80°)	92.5	4.0	B0/110		G0/660
BVH (80°-90°)	1.1	0.0			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°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	407.9	407.9	408.3	408.7	405.8	404.5	404.9	404.1	403.7	404.9	404.9
5°	406.6	406.6	405.4	405.8	405.8	402.0	402.0	402.8	402.8	400.3	399.5
7.5°	403.3	402.4	400.7	402.8	401.6	401.6	398.6	396.5	395.7	397.4	395.7
10°	396.1	396.5	398.2	399.0	398.2	400.7	395.7	392.7	389.8	388.5	388.5
12.5°	392.7	395.3	392.7	394.8	397.8	395.7	392.7	390.6	386.4	384.7	384.7
15°	392.3	394.0	394.8	397.8	396.5	397.4	391.5	388.9	382.6	379.7	378.4
17.5°	391.9	394.0	395.3	400.7	401.6	402.0	397.4	389.8	384.3	381.4	378.4
20°	396.5	397.4	399.9	405.4	408.7	414.6	406.2	398.2	386.4	383.0	381.8
22.5°	402.4	406.6	409.1	415.0	423.9	428.9	418.0	407.9	395.7	391.5	386.4
25°	421.4	420.5	424.7	436.9	444.1	447.9	439.0	424.3	408.3	403.3	404.1
27.5°	444.9	445.8	449.6	463.0	473.5	479.4	468.9	449.6	434.0	425.6	424.7
30°	475.7	474.8	479.0	497.1	516.1	524.9	506.4	483.6	468.5	457.6	460.1
32.5°	508.1	508.5	520.3	536.7	567.4	584.7	554.8	527.0	504.3	496.7	492.9
35°	556.0	558.2	567.4	592.7	626.8	649.1	616.2	583.0	556.9	543.0	544.7
37.5°	615.4	613.3	628.9	656.2	692.0	708.4	680.6	642.8	616.2	607.0	612.9
40°	678.5	680.6	688.6	713.5	753.5	764.4	723.2	702.5	679.4	674.8	681.9
42.5°	741.7	740.4	746.3	768.6	797.7	790.1	765.7	753.5	737.0	727.8	737.5
45°	788.0	785.9	796.8	812.0	822.5	808.2	797.2	793.0	784.6	774.5	783.4
47.5°	833.0	831.3	841.9	846.1	846.9	828.0	830.1	837.7	816.6	795.6	805.7
50°	871.3	868.4	881.4	890.7	888.6	858.3	865.9	858.3	825.4	800.6	796.8
52.5°	935.3	936.6	950.5	967.3	962.2	937.0	926.0	891.5	849.4	827.1	814.1
55°	975.7	969.4	993.4	1046.9	1052.7	1026.6	978.2	927.3	864.2	836.8	833.4
56°	937.8	945.8	983.7	1043.5	1073.8	1049.8	979.5	918.5	849.0	812.0	809.4
57.5°	841.4	837.2	888.6	970.2	1052.7	1042.6	945.0	855.3	774.5	732.8	727.8
60°	523.6	535.8	580.9	681.9	792.2	797.2	700.4	623.4	529.1	492.1	500.9
62.5°	205.0	194.5	222.7	298.0	373.8	390.6	354.0	294.2	241.6	205.0	202.5
65°	47.6	46.3	52.2	72.0	100.6	116.6	110.7	79.6	58.5	55.6	51.4
67.5°	26.9	26.9	25.7	25.7	28.2	29.9	28.6	28.2	29.5	30.7	30.3
70°	18.9	18.5	17.7	18.1	17.3	17.3	18.5	20.6	22.3	22.3	22.7
72.5°	11.4	11.4	11.4	12.6	12.6	12.6	13.9	15.6	16.0	15.6	15.2
75°	5.1	5.1	5.9	7.2	8.0	8.4	9.7	10.5	11.4	10.5	9.7
77.5°	1.3	1.3	2.1	2.9	3.8	4.6	6.3	7.6	8.0	7.6	6.3
80°	0.4	0.4	0.8	2.1	3.8	4.6	6.3	6.7	7.2	6.3	5.1
82.5°	0.4	0.4	0.8	2.1	2.9	3.8	5.1	5.9	6.3	5.5	5.1
85°	0.0	0.4	0.8	1.7	2.5	3.4	3.4	2.5	2.1	1.3	1.7
87.5°	0.0	0.0	0.4	0.4	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)