

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: P526097

Luminaire Tested: **GALN-SA1A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
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-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2785 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

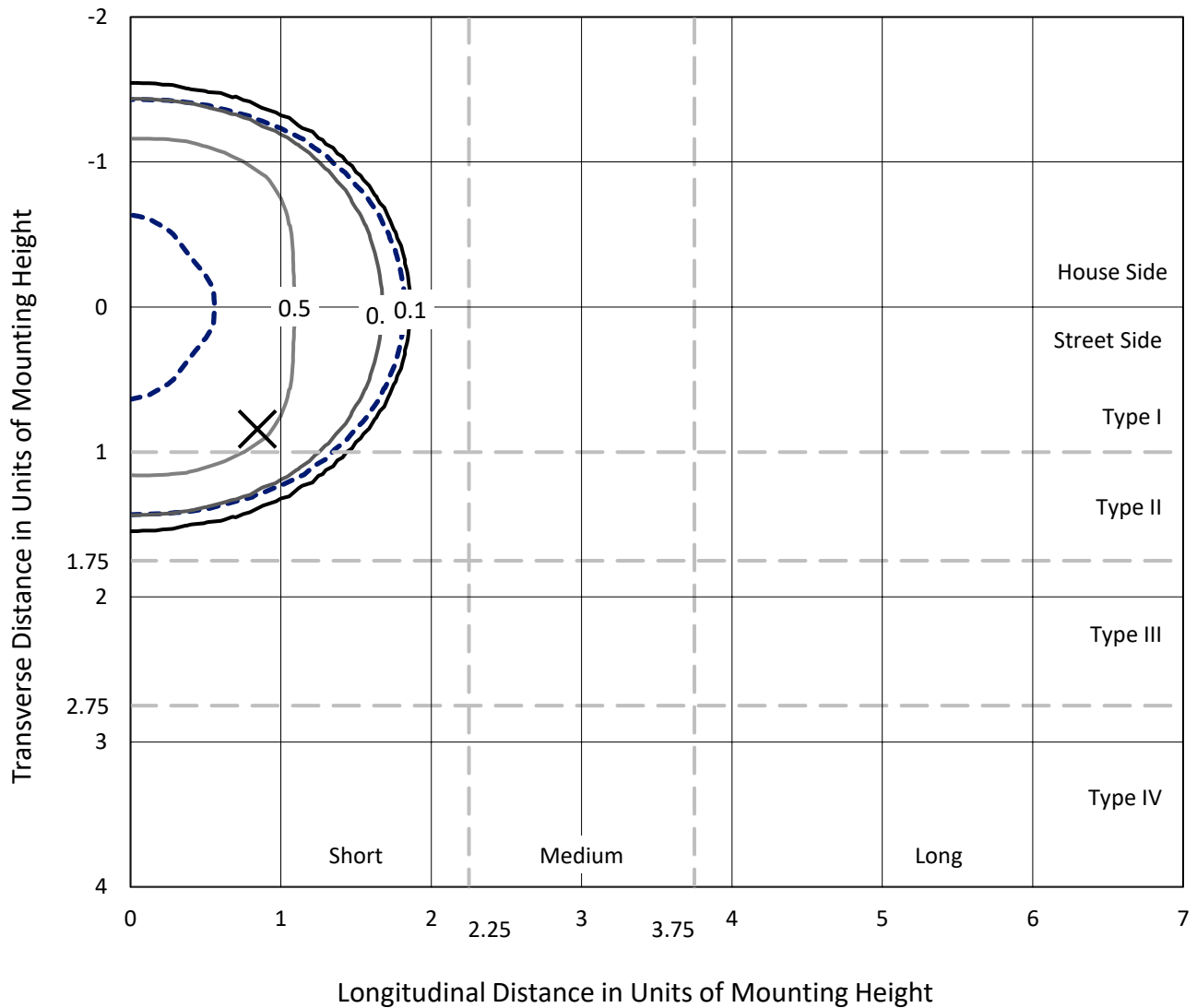
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

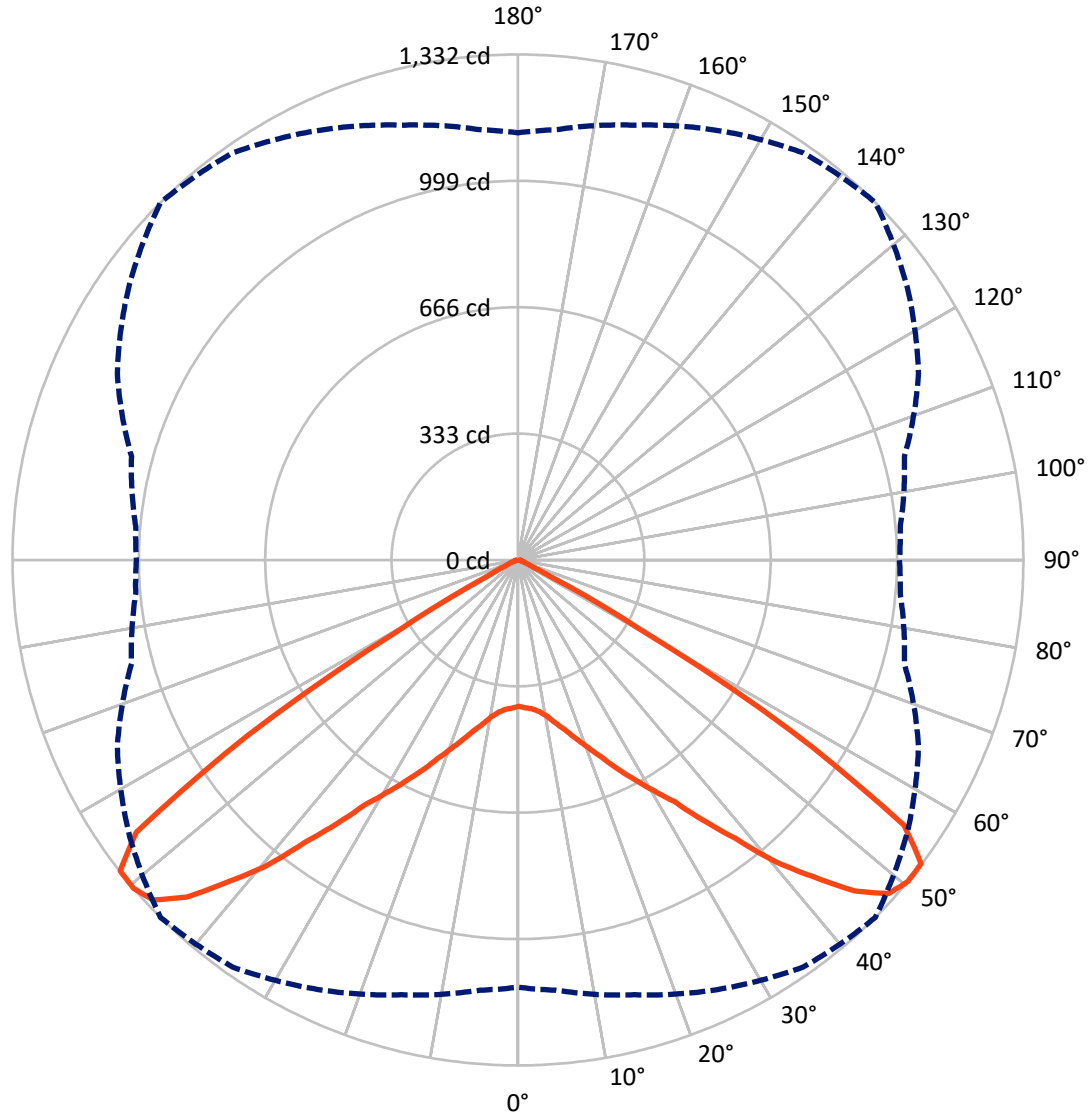
✕ Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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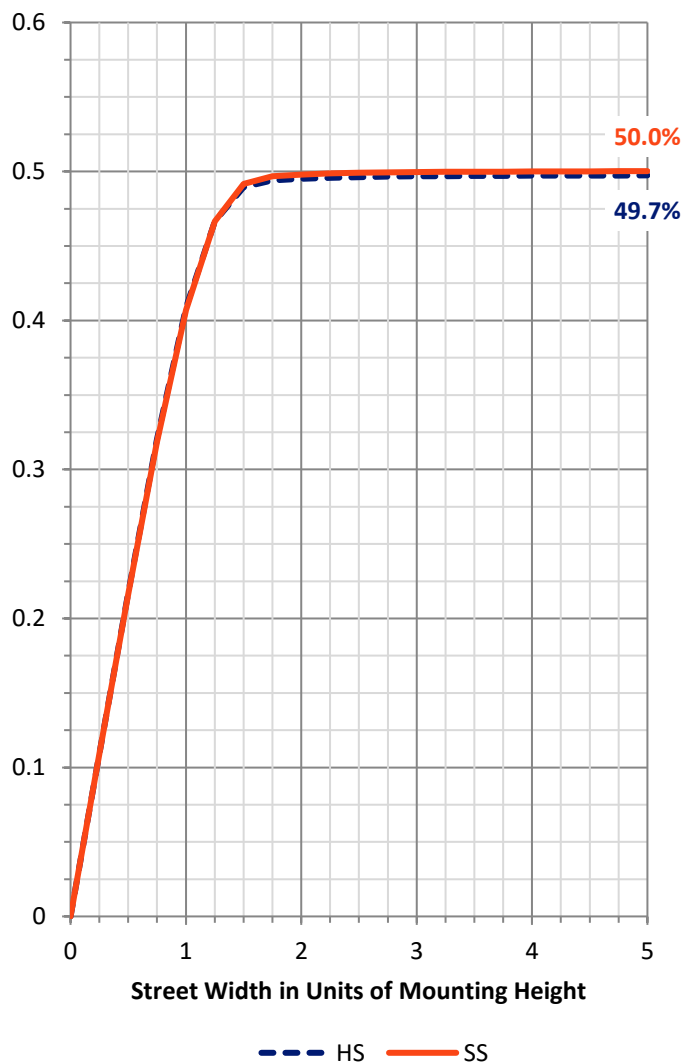
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1392.5	0.0	1392.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1392.5	0.0	1392.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2785.0	0.0	2785.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.4	1.4
10°-20°	132.4	4.8
20°-30°	270.4	9.7
30°-40°	515.6	18.5
40°-50°	868.9	31.2
50°-60°	828.7	29.8
60°-70°	115.7	4.2
70°-80°	11.1	0.4
80°-90°	3.8	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°	2785.0	100.0
0°-180°	2785.0	100.0

**Coefficient of Utilization**



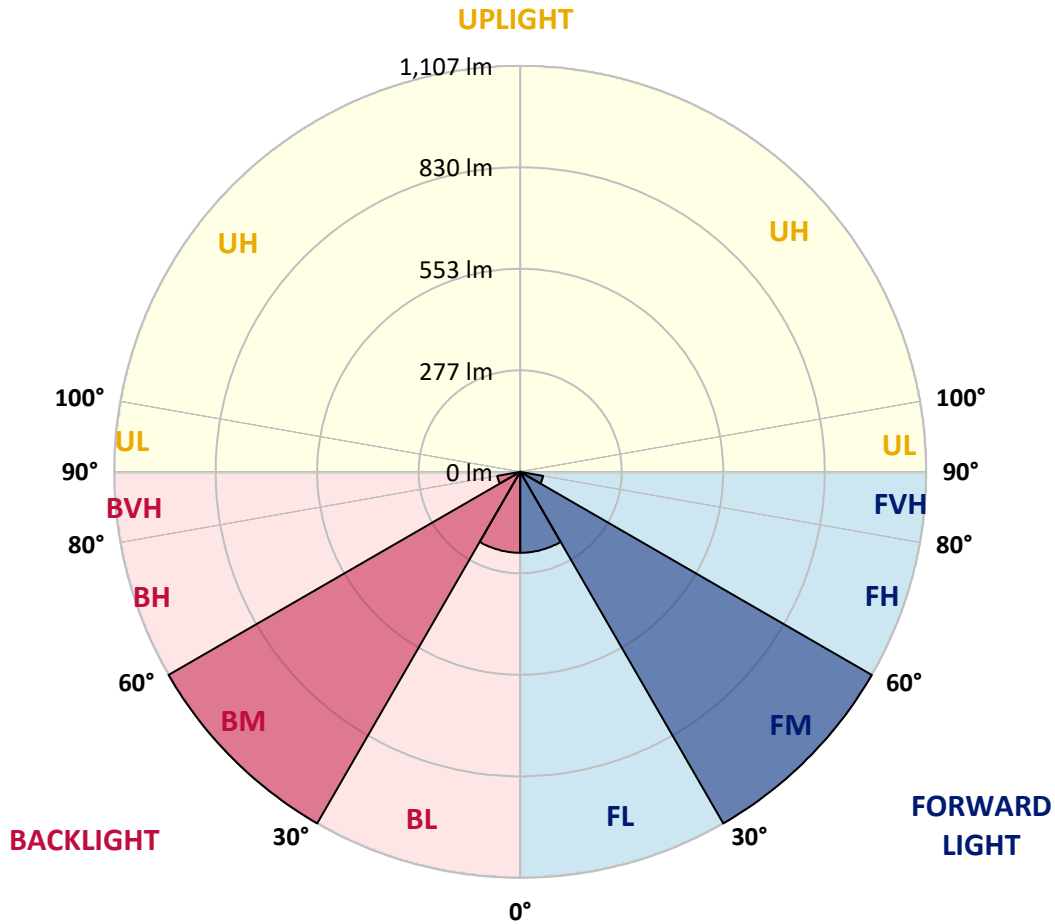
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.6	7.9			
FM (30°-60°)	1106.6	39.7			
FH (60°-80°)	63.4	2.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	220.6	7.9	B1/500		
BM (30°-60°)	1106.6	39.7	B2/2500		
BH (60°-80°)	63.4	2.3	B0/110		G0/660
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1	386.1
2.5°	384.7	384.7	384.2	388.0	386.1	390.3	389.9	391.3	392.7	392.2	395.9
5°	381.4	381.0	381.0	385.2	389.4	394.1	398.3	401.1	405.8	405.8	410.5
7.5°	384.7	382.4	385.6	387.5	395.5	403.4	410.5	416.1	426.9	430.6	429.2
10°	385.6	388.5	390.8	396.4	406.3	418.4	424.5	438.6	450.8	459.2	461.1
12.5°	391.7	395.9	402.5	416.1	425.0	440.9	449.4	463.0	479.8	489.2	495.8
15°	403.4	404.9	413.3	430.6	449.8	464.4	477.5	487.3	503.7	514.5	515.0
17.5°	418.4	424.5	436.2	452.6	472.8	494.4	504.7	515.4	521.5	536.1	539.3
20°	448.4	449.4	460.6	482.2	507.5	527.2	534.6	540.3	537.9	552.9	555.7
22.5°	476.5	477.5	491.5	520.6	547.8	564.6	567.9	564.6	557.6	568.4	569.3
25°	505.1	513.6	523.9	552.9	586.7	609.2	609.6	600.7	586.2	588.1	592.8
27.5°	549.6	555.7	566.5	593.2	630.2	655.5	651.3	640.5	621.8	623.2	621.8
30°	601.7	607.3	616.2	650.4	677.6	705.2	711.3	701.0	672.9	666.8	673.8
32.5°	664.4	672.4	688.8	720.2	743.2	760.0	764.3	760.5	734.3	731.9	736.6
35°	740.8	751.6	766.6	794.2	813.0	843.4	843.4	830.8	806.9	809.7	809.2
37.5°	821.4	837.4	860.8	888.9	914.2	930.6	925.4	914.7	890.8	884.7	890.8
40°	922.6	930.6	960.1	996.7	1027.6	1046.3	1024.3	1000.9	943.7	952.6	969.0
42.5°	1014.9	1027.6	1050.1	1090.4	1125.5	1141.0	1114.8	1068.4	999.5	992.5	1004.6
45°	1093.7	1107.3	1136.8	1194.4	1231.4	1245.0	1186.9	1111.9	1033.2	1015.4	1020.6
47.5°	1146.1	1153.2	1194.4	1249.2	1283.0	1313.9	1230.5	1141.9	1049.1	1015.4	1013.5
50°	1126.0	1138.2	1186.4	1248.8	1310.1	1332.2	1252.5	1164.9	1054.3	1011.2	1005.6
52.5°	999.9	1021.0	1074.9	1158.8	1251.6	1330.3	1283.0	1157.4	1052.4	1015.4	1023.8
55°	695.8	696.3	761.9	885.6	1049.6	1235.2	1238.5	1165.8	1064.6	1041.7	1042.1
57.5°	279.7	293.8	343.9	468.1	619.5	848.1	1008.4	1081.5	1066.0	1060.4	1074.9
60°	70.8	71.2	86.7	132.1	217.9	363.6	528.1	714.6	822.8	859.8	865.0
62.5°	36.1	36.5	40.3	46.9	59.5	97.5	173.4	275.1	391.3	450.3	465.8
65°	29.5	29.5	31.9	35.1	35.6	37.5	45.0	64.2	93.2	105.9	107.3
67.5°	22.5	22.5	24.4	26.2	27.2	26.7	25.8	26.7	32.3	30.9	30.0
70°	14.1	14.5	15.5	17.3	18.3	18.7	19.2	20.1	23.0	23.9	23.0
72.5°	8.4	8.4	8.9	10.3	11.7	12.7	14.1	15.0	16.4	18.7	18.3
75°	3.7	3.7	4.7	6.1	7.5	8.9	10.3	11.7	12.7	14.1	14.5
77.5°	0.9	1.4	2.3	4.2	5.6	7.5	9.4	10.8	11.7	11.7	11.2
80°	0.5	0.5	1.9	3.3	6.1	8.0	10.3	11.2	12.7	11.7	10.3
82.5°	0.5	0.5	1.9	3.3	5.6	8.0	10.8	12.2	13.1	11.7	9.8
85°	0.0	0.5	1.4	2.8	4.7	5.6	4.7	3.3	1.9	1.9	1.4
87.5°	0.0	0.0	0.5	0.5	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)