

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: P532416

Luminaire Tested: **GALN-SA7D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532416  
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-SA7D-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1200mA 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: 43982 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

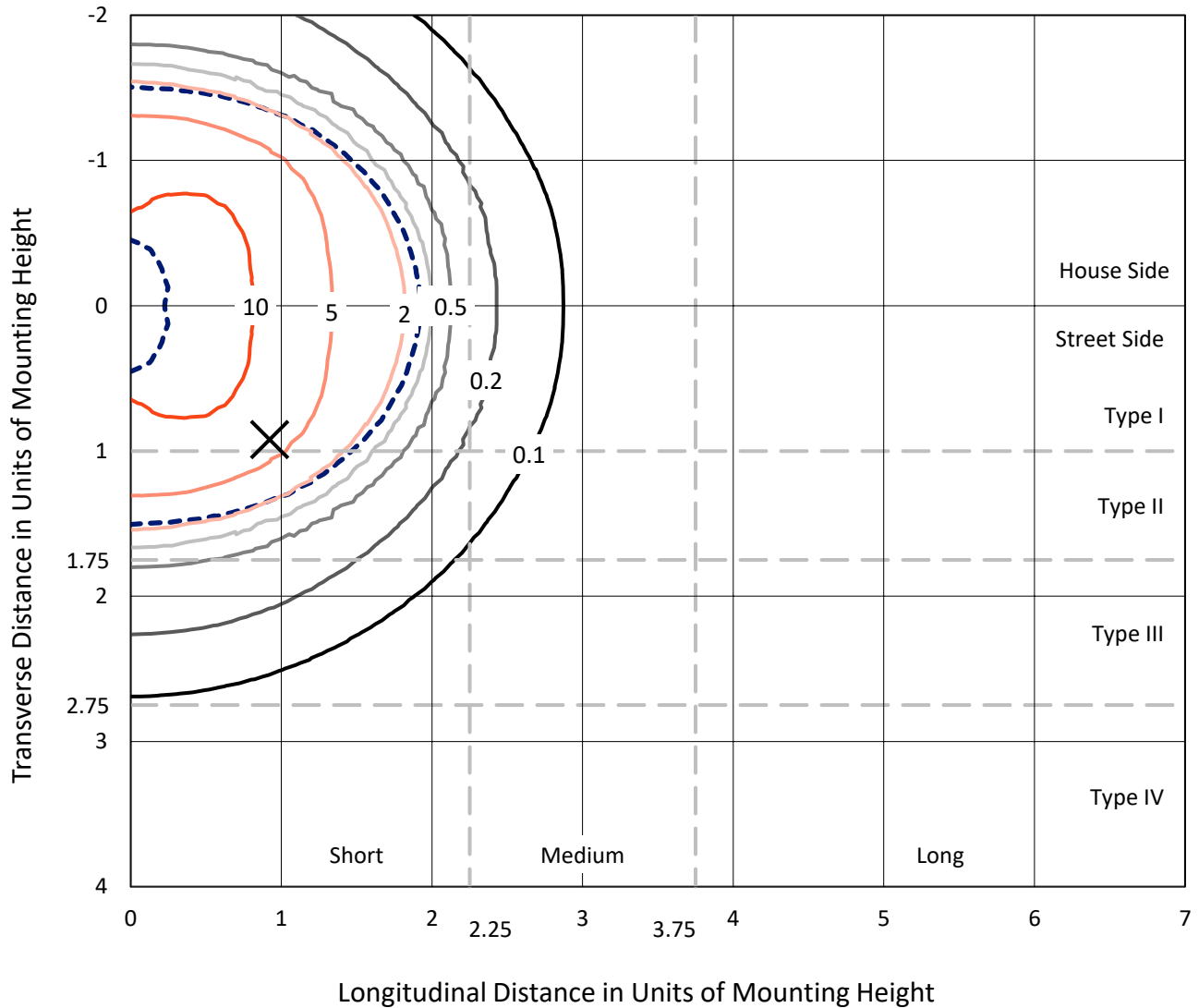
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

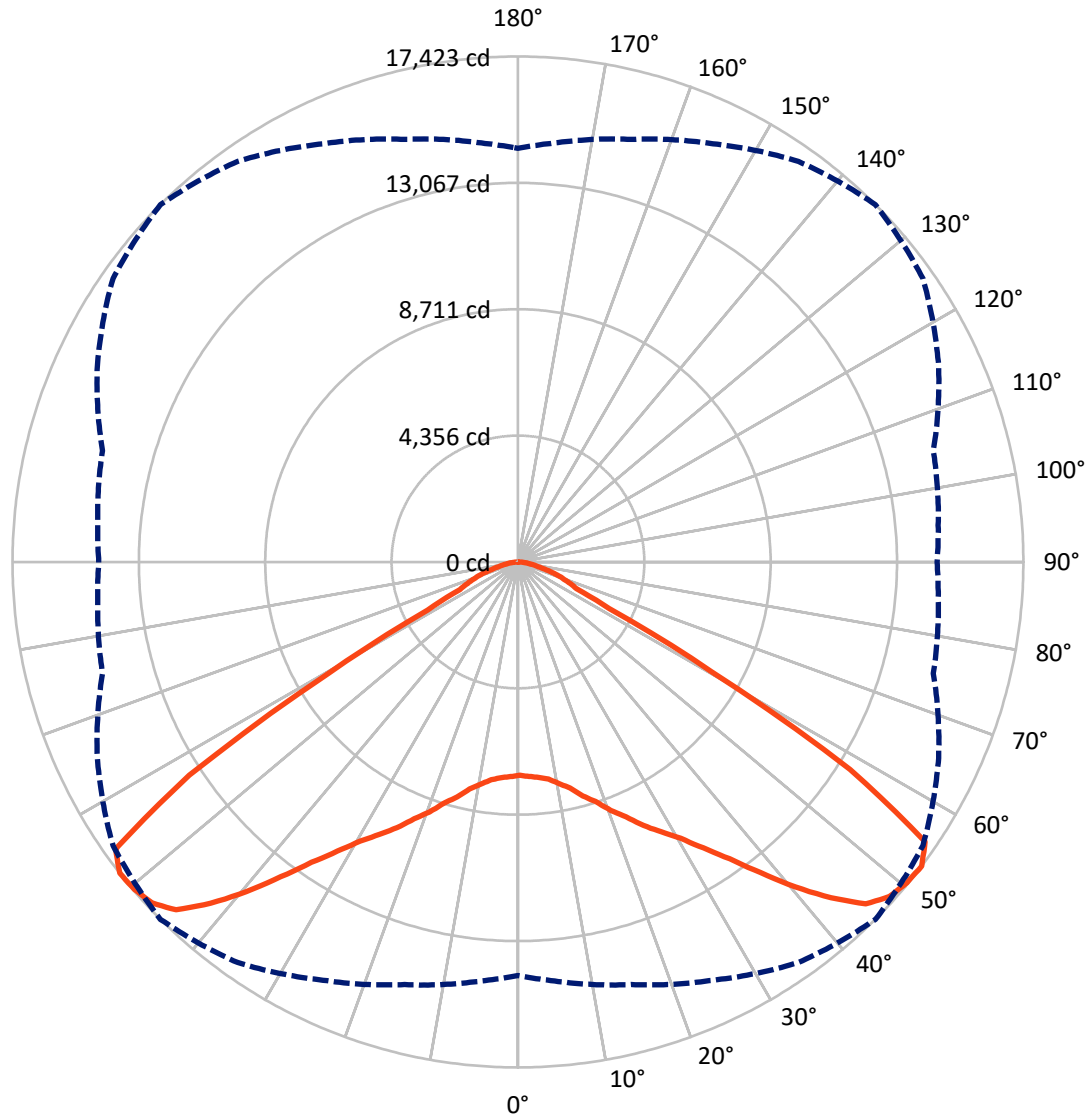
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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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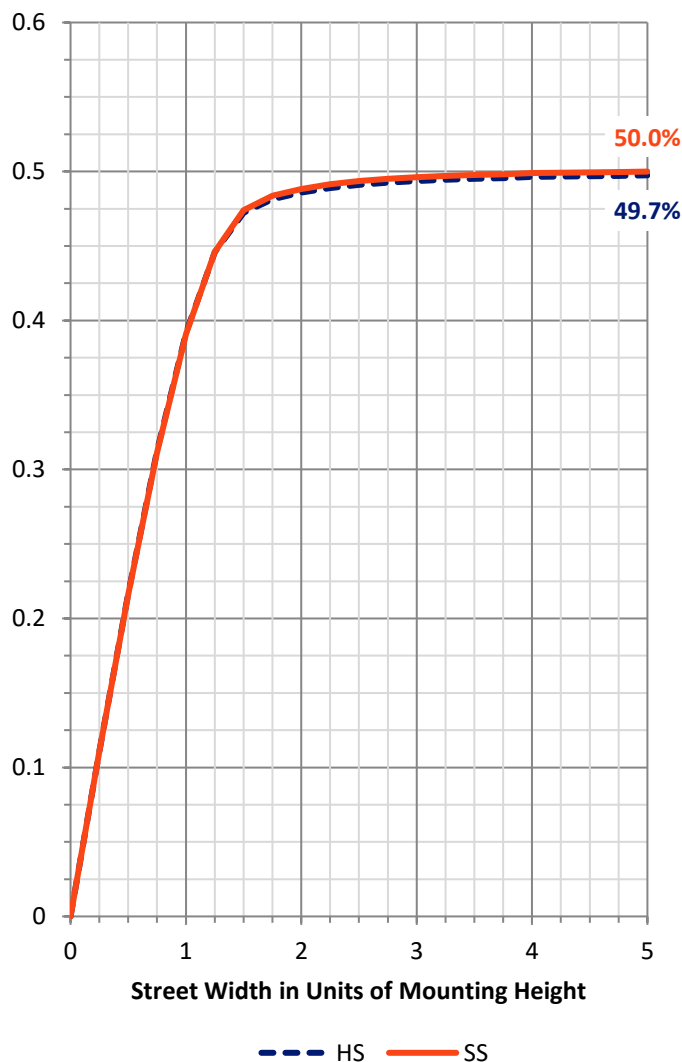
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21991.0	0.0	21991.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21991.0	0.0	21991.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43982.0	0.0	43982.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.3	1.6
10°-20°	2373.5	5.4
20°-30°	4518.9	10.3
30°-40°	7759.2	17.6
40°-50°	11926.1	27.1
50°-60°	12110.7	27.5
60°-70°	3375.1	7.7
70°-80°	995.6	2.3
80°-90°	200.5	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°	43982.0	100.0
0°-180°	43982.0	100.0

**Coefficient of Utilization**



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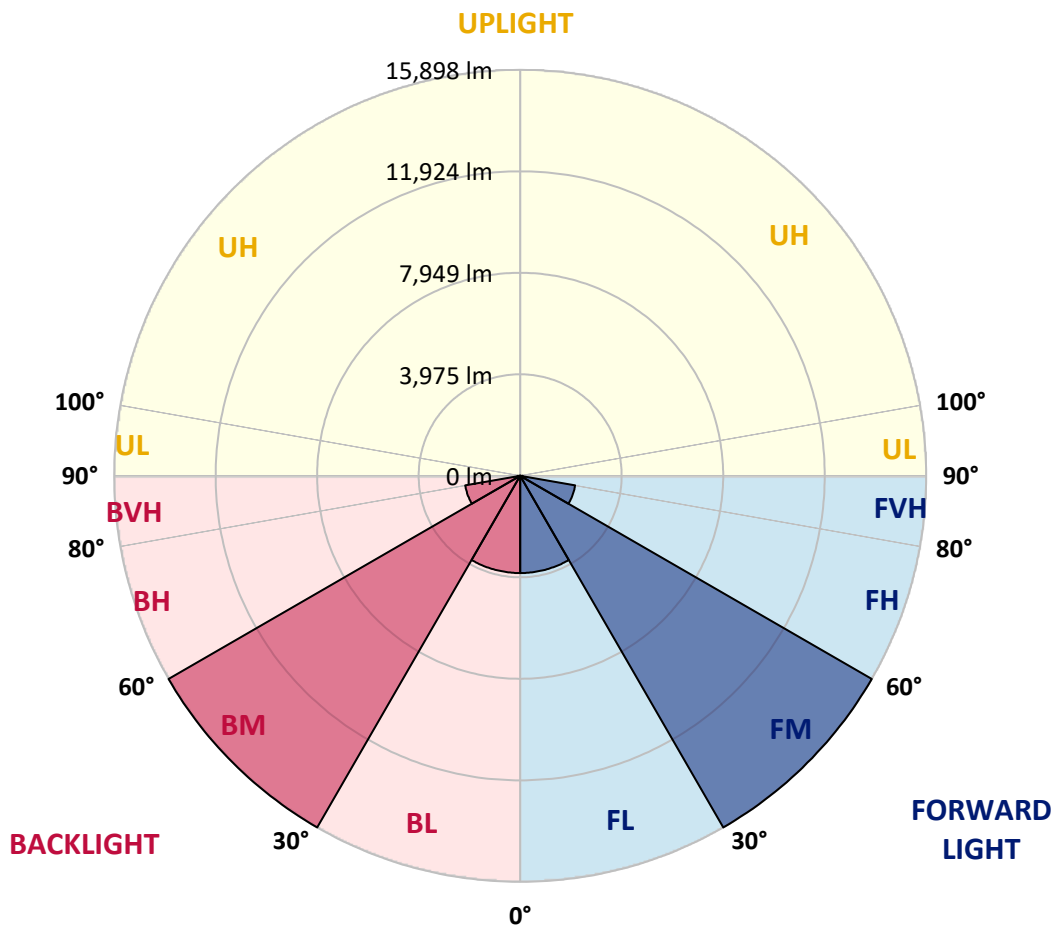
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3807.4	8.7			
FM (30°-60°)	15898.0	36.1			
FH (60°-80°)	2185.4	5.0			G2/5000
FVH (80°-90°)	100.3	0.2			G2/225
BL (0°-30°)	3807.4	8.7	B4/5000		
BM (30°-60°)	15898.0	36.1	B5		
BH (60°-80°)	2185.4	5.0	B3/2500		G2/5000
BVH (80°-90°)	100.3	0.2			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°	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2	7352.2
2.5°	7368.5	7292.1	7319.4	7335.8	7406.8	7401.3	7384.9	7406.8	7428.6	7434.0	7423.1
5°	7363.1	7308.5	7330.3	7346.7	7417.7	7455.9	7445.0	7537.7	7603.2	7586.9	7668.7
7.5°	7319.4	7352.2	7324.9	7406.8	7466.8	7559.6	7657.8	7745.2	7827.0	7919.8	7936.2
10°	7417.7	7417.7	7466.8	7532.3	7690.6	7761.5	7903.4	8029.0	8187.3	8296.4	8252.8
12.5°	7521.4	7537.7	7537.7	7707.0	7837.9	7996.2	8127.2	8296.4	8520.2	8651.2	8716.7
15°	7625.1	7636.0	7690.6	7919.8	8116.3	8367.4	8487.5	8640.3	8765.8	9011.5	9016.9
17.5°	7717.9	7777.9	7941.7	8198.2	8443.8	8684.0	8875.0	9033.3	9142.5	9240.7	9218.9
20°	8067.2	8110.9	8280.1	8536.6	8902.3	9137.0	9202.5	9229.8	9300.7	9497.2	9437.2
22.5°	8405.6	8422.0	8580.3	8973.3	9229.8	9540.9	9611.9	9595.5	9622.8	9671.9	9759.2
25°	8754.9	8782.2	9000.5	9333.5	9693.7	10064.9	10124.9	9999.4	9961.2	10015.8	10021.2
27.5°	9202.5	9208.0	9486.3	9775.6	10185.0	10534.3	10627.1	10528.8	10348.7	10392.4	10463.3
30°	9770.1	9731.9	10010.3	10425.1	10856.3	11052.8	11211.1	11162.0	10965.5	10927.3	10867.2
32.5°	10425.1	10436.0	10687.1	11140.1	11424.0	11751.5	11920.7	11838.8	11713.3	11647.8	11686.0
35°	11347.6	11396.7	11565.9	11942.5	12401.0	12564.7	12832.2	12657.5	12330.0	12411.9	12482.9
37.5°	12106.2	12248.2	12564.7	13012.3	13285.2	13585.4	13683.7	13449.0	13208.8	13110.6	13345.3
40°	13268.8	13225.2	13574.5	14022.1	14426.0	14726.2	14600.6	14365.9	13771.0	13776.5	13841.9
42.5°	14267.7	14289.5	14557.0	15091.9	15643.1	15828.7	15430.3	14857.2	14196.7	14125.8	14267.7
45°	15108.2	15195.6	15348.4	16063.4	16603.8	16805.7	16068.9	15392.1	14507.8	14213.1	14447.8
47.5°	15408.4	15550.4	15883.3	16538.3	17073.2	17236.9	16647.5	15675.9	14797.1	14316.8	14442.3
50°	15452.1	15403.0	15948.8	16549.2	17018.6	17373.4	16854.9	15883.3	14726.2	14475.1	14436.9
52.5°	14256.8	14496.9	15081.0	15905.1	16854.9	17422.5	17040.4	15997.9	14824.4	14540.6	14447.8
55°	11538.6	11254.8	12319.1	13705.5	15452.1	17029.5	16974.9	16058.0	14884.5	14649.8	14524.2
57.5°	6440.7	6522.5	7122.9	8629.4	10883.6	13503.5	15091.9	15424.8	14857.2	14720.7	14786.2
60°	2980.2	3007.5	3264.0	3968.1	5365.4	7657.8	9748.3	11871.5	12848.6	13045.1	13045.1
62.5°	2221.5	2210.6	2276.1	2401.6	2696.3	3520.5	4699.5	6386.1	7728.8	8667.6	8913.2
65°	2008.6	2003.2	2035.9	2079.6	2101.4	2216.0	2478.0	2996.5	3433.2	3684.3	3640.6
67.5°	1757.5	1752.1	1763.0	1790.3	1828.5	1888.5	1954.0	2063.2	2216.0	2205.1	2177.8
70°	1419.1	1419.1	1435.5	1457.3	1501.0	1572.0	1648.4	1724.8	1855.8	1883.1	1877.6
72.5°	1048.0	1031.6	1064.3	1108.0	1151.7	1239.0	1320.9	1391.8	1484.6	1511.9	1501.0
75°	665.9	676.8	698.6	747.8	824.2	884.2	971.6	1031.6	1091.6	1113.5	1118.9
77.5°	371.2	382.1	420.3	480.3	556.7	622.2	698.6	747.8	786.0	791.4	796.9
80°	223.8	229.2	267.5	322.0	387.5	458.5	518.5	567.7	600.4	584.0	578.6
82.5°	136.5	141.9	174.7	223.8	278.4	332.9	398.4	442.1	474.9	453.0	431.2
85°	71.0	76.4	103.7	136.5	180.1	207.4	207.4	185.6	180.1	169.2	163.7
87.5°	21.8	21.8	27.3	32.7	27.3	32.7	38.2	43.7	43.7	49.1	43.7
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)