

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: P532408

Luminaire Tested: **GALN-SA7D-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44304 lumens  
Efficiency: N/A  
Efficacy: 102.3 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

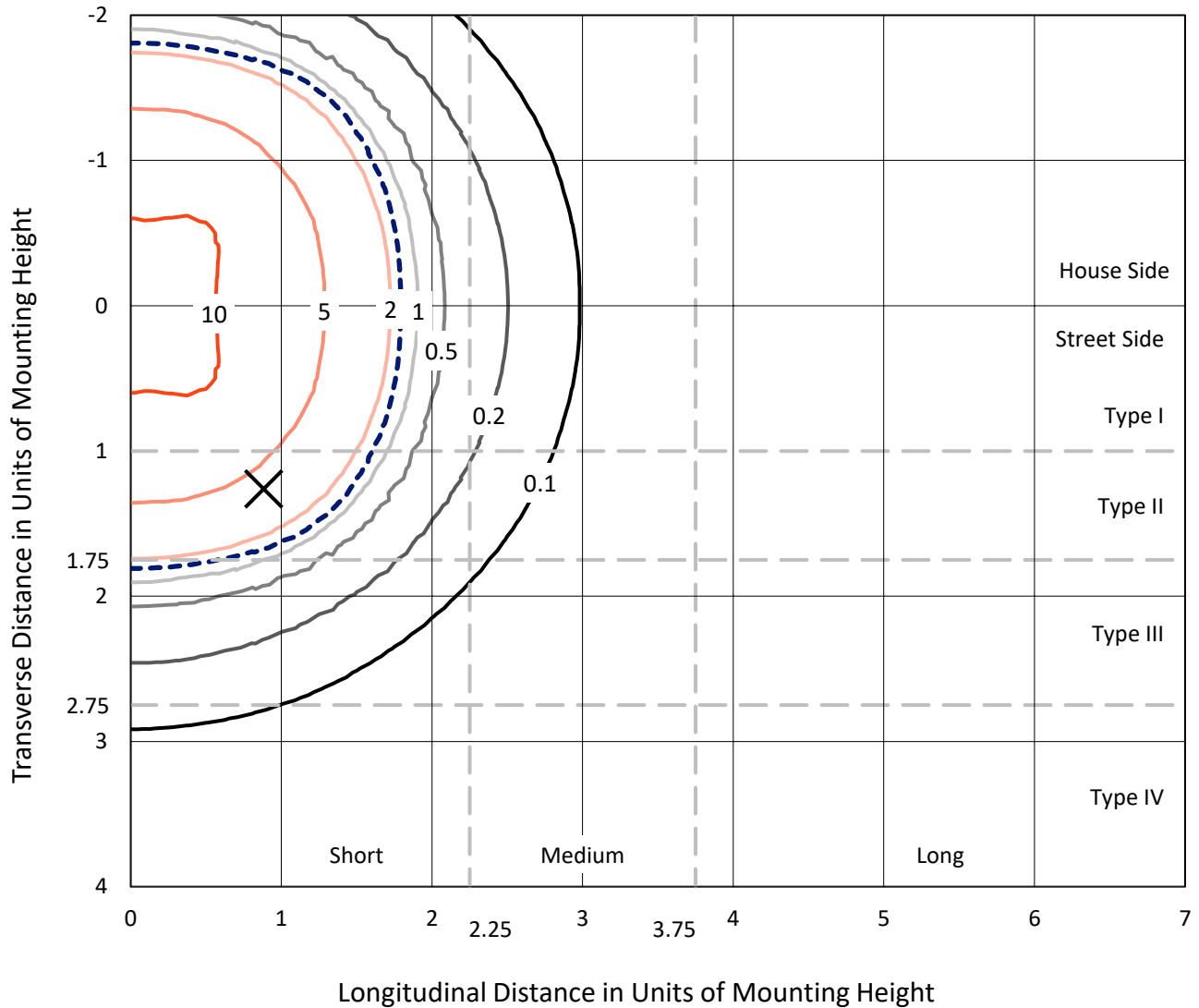
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

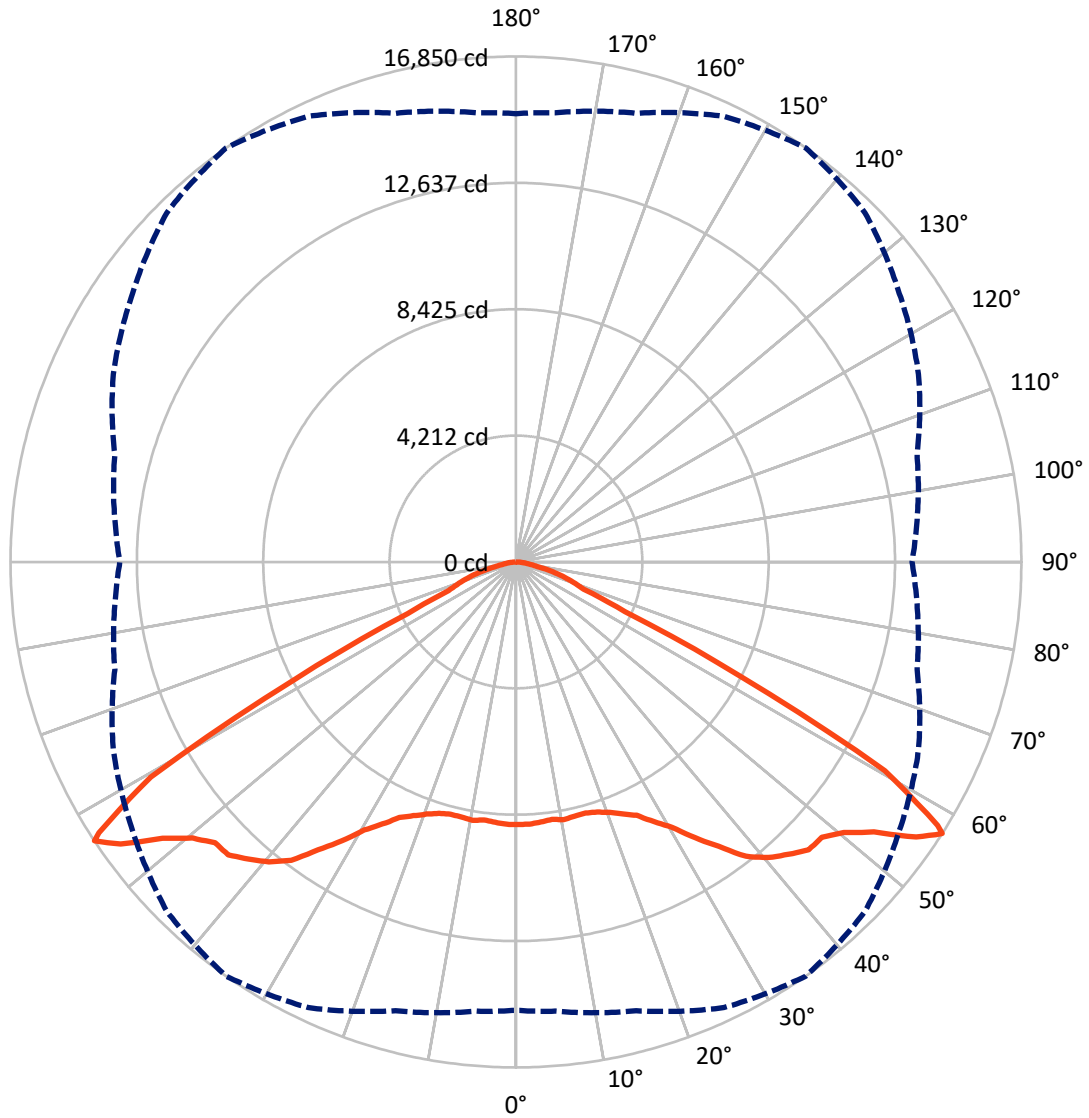
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22152.0	0.0	22152.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22152.0	0.0	22152.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44304.0	0.0	44304.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	829.5	1.9
10°-20°	2456.8	5.5
20°-30°	4290.7	9.7
30°-40°	7030.4	15.9
40°-50°	10308.3	23.3
50°-60°	12984.1	29.3
60°-70°	4883.2	11.0
70°-80°	1298.4	2.9
80°-90°	222.6	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°	44304.0	100.0
0°-180°	44304.0	100.0

**Coefficient of Utilization**

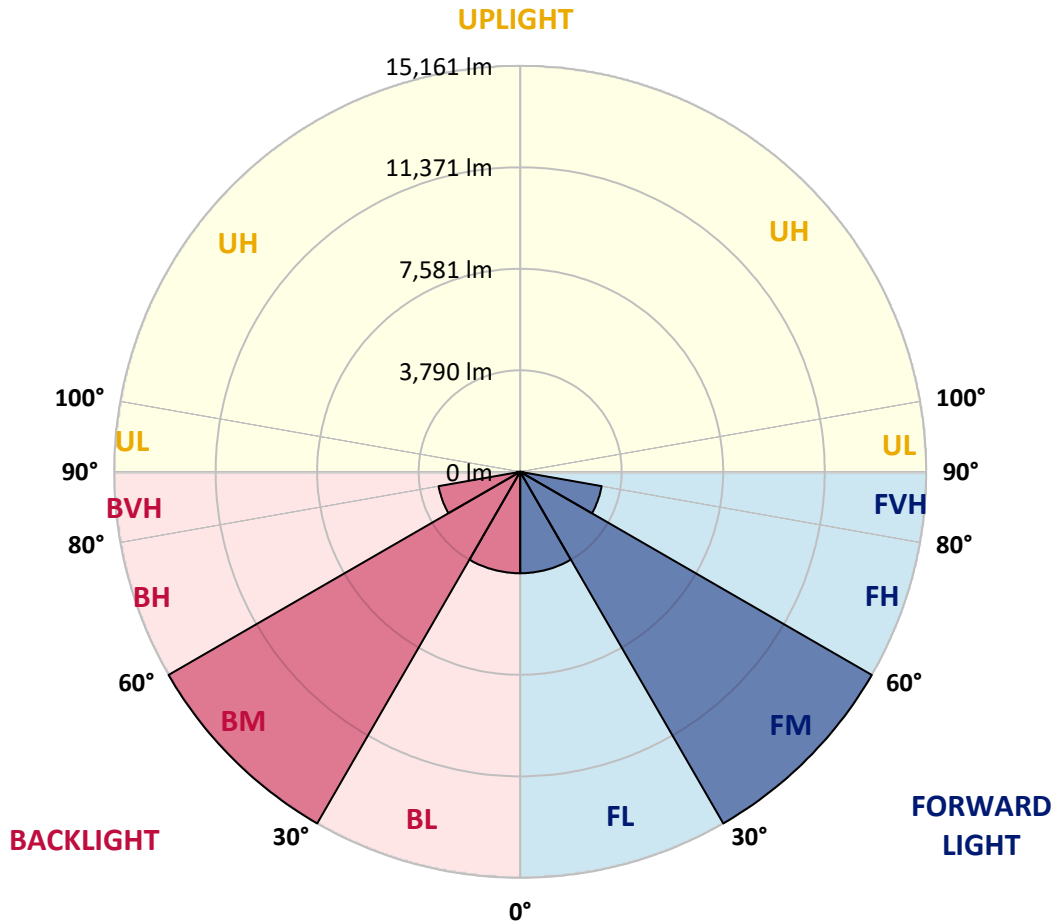


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3788.5	8.6			
FM (30°-60°)	15161.4	34.2			
FH (60°-80°)	3090.8	7.0			G2/5000
FVH (80°-90°)	111.3	0.3			G2/225
BL (0°-30°)	3788.5	8.6	B4/5000		
BM (30°-60°)	15161.4	34.2	B5		
BH (60°-80°)	3090.8	7.0	B4/5000		G2/5000
BVH (80°-90°)	111.3	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°	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7	8749.7
2.5°	8706.0	8793.4	8755.2	8733.3	8749.7	8722.4	8678.8	8727.9	8717.0	8673.3	8656.9
5°	8684.2	8749.7	8706.0	8749.7	8706.0	8782.5	8760.6	8678.8	8777.0	8684.2	8717.0
7.5°	8667.8	8689.7	8700.6	8678.8	8662.4	8755.2	8706.0	8667.8	8613.3	8596.9	8624.2
10°	8629.6	8684.2	8602.3	8711.5	8733.3	8667.8	8667.8	8596.9	8553.2	8525.9	8618.7
12.5°	8727.9	8635.1	8624.2	8678.8	8695.1	8722.4	8646.0	8607.8	8525.9	8536.8	8520.5
15°	8613.3	8651.5	8656.9	8667.8	8684.2	8749.7	8678.8	8596.9	8564.1	8449.5	8460.4
17.5°	8656.9	8618.7	8656.9	8782.5	8760.6	8809.8	8733.3	8607.8	8531.4	8465.9	8553.2
20°	8733.3	8717.0	8733.3	8886.2	8913.5	8957.1	8891.6	8777.0	8629.6	8553.2	8596.9
22.5°	8815.2	8804.3	8815.2	8962.6	9120.9	9175.5	9110.0	8842.5	8766.1	8624.2	8575.0
25°	8962.6	8973.5	9088.1	9251.9	9355.6	9459.3	9339.2	9148.2	8902.5	8815.2	8711.5
27.5°	9290.1	9317.4	9382.9	9623.0	9803.2	9896.0	9726.8	9464.8	9311.9	9131.8	9104.5
30°	9694.0	9694.0	9808.6	10016.0	10261.7	10403.6	10196.2	9885.0	9699.5	9601.2	9541.2
32.5°	10228.9	10168.9	10212.5	10578.3	10960.3	11080.4	10802.0	10420.0	10125.2	9994.2	9950.5
35°	10687.4	10725.6	10823.9	11216.9	11642.6	11921.0	11484.3	10987.6	10687.4	10567.3	10545.5
37.5°	11282.4	11347.9	11397.0	11937.4	12450.5	12554.2	12133.9	11735.4	11369.7	11271.5	11216.9
40°	12123.0	12079.3	12095.7	12494.1	12958.1	13023.6	12608.8	12324.9	12024.7	11964.7	11964.7
42.5°	12816.2	12767.0	12821.6	12969.0	13323.8	13274.7	13045.4	12838.0	12712.5	12647.0	12712.5
45°	13236.5	13225.5	13323.8	13433.0	13684.0	13520.3	13340.2	13372.9	13252.8	13143.7	13138.2
47.5°	13695.0	13624.0	13744.1	13907.8	13716.8	13640.4	13629.5	13700.4	13662.2	13471.2	13411.1
50°	13918.8	13891.5	14082.5	14273.6	14169.8	13995.2	14033.4	14148.0	13656.8	13400.2	13252.8
52.5°	14519.2	14524.6	14890.3	14994.1	14950.4	14693.8	14775.7	14464.6	13886.0	13525.8	13542.1
55°	15463.5	15425.3	15834.6	16140.3	16189.4	15861.9	15468.9	15032.3	14306.3	13940.6	13831.4
57°	14944.9	15032.3	15485.3	16391.4	16849.9	16462.3	15605.4	14808.5	13842.3	13400.2	13203.7
57.5°	14251.7	14393.6	15179.6	16091.2	16571.5	16538.8	15436.2	14393.6	13531.2	12843.5	12859.8
60°	10441.8	10469.1	11178.7	12625.1	14126.2	14158.9	12816.2	11435.2	10474.5	9726.8	9830.5
62.5°	5507.5	5633.0	5916.8	7079.5	8378.5	8695.1	7881.8	7172.3	6342.6	5774.9	5829.5
65°	2914.8	2898.4	3034.8	3362.3	4001.0	4164.7	4055.5	3493.3	3204.0	3111.3	3116.7
67.5°	2368.9	2396.2	2379.8	2396.2	2439.9	2510.8	2494.5	2516.3	2532.7	2560.0	2554.5
70°	2008.7	2008.7	2019.6	2025.0	2025.0	2057.8	2096.0	2167.0	2172.4	2199.7	2210.6
72.5°	1582.9	1572.0	1588.4	1626.6	1632.0	1659.3	1713.9	1757.6	1774.0	1774.0	1741.2
75°	1075.3	1086.2	1108.0	1140.8	1173.5	1222.7	1266.3	1293.6	1304.5	1288.2	1271.8
77.5°	605.9	616.8	633.2	682.3	720.5	764.2	813.3	840.6	867.9	873.3	840.6
80°	360.3	360.3	387.5	425.8	469.4	513.1	556.8	589.5	600.4	600.4	584.0
82.5°	218.3	223.8	245.6	283.8	322.0	349.3	387.5	414.8	436.7	431.2	420.3
85°	114.6	114.6	136.5	169.2	196.5	223.8	223.8	207.4	196.5	169.2	158.3
87.5°	38.2	32.8	43.7	43.7	38.2	43.7	43.7	49.1	49.1	49.1	49.1
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)