

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: P532412

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42583 lumens  
Efficiency: N/A  
Efficacy: 98.3 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

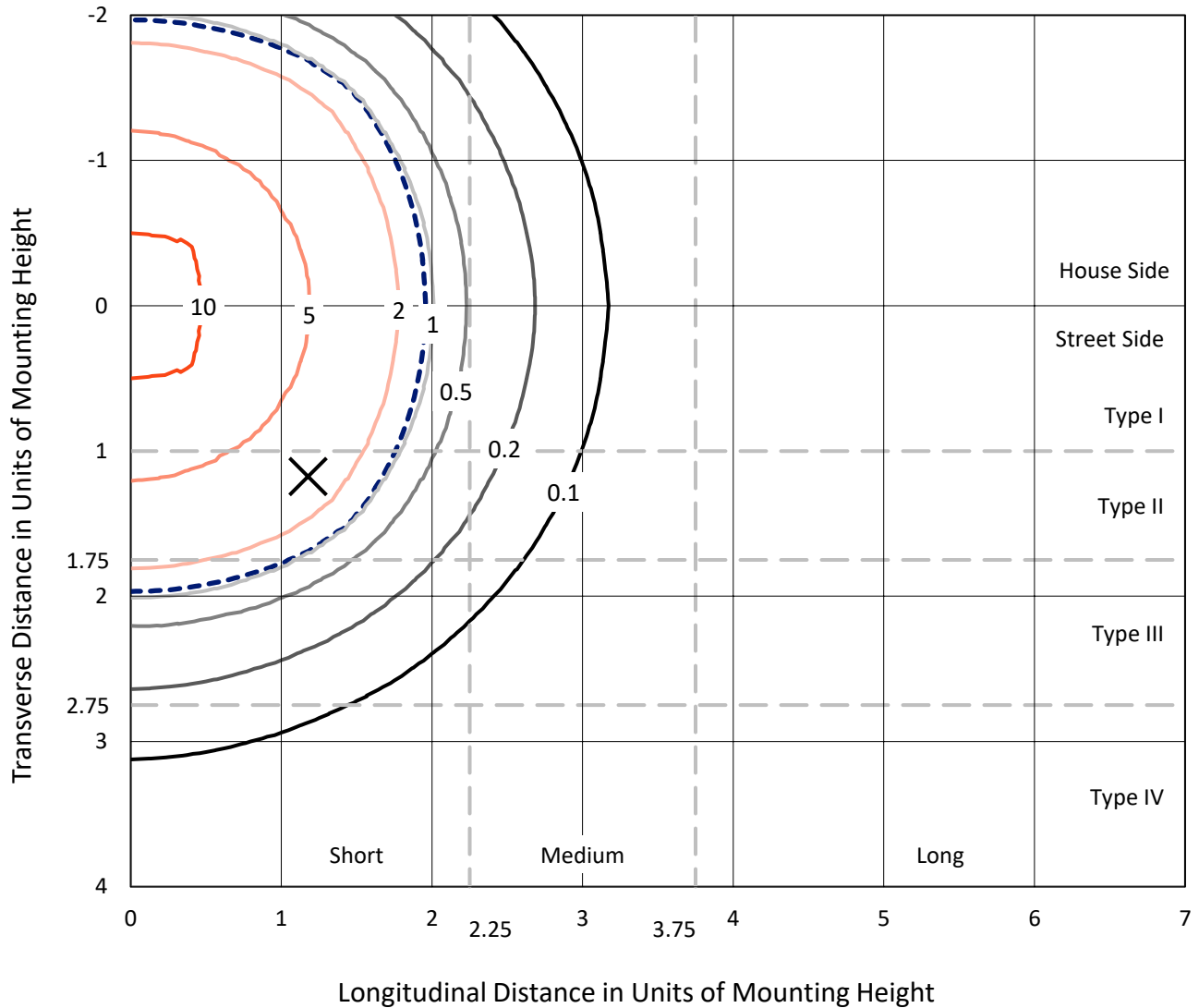
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

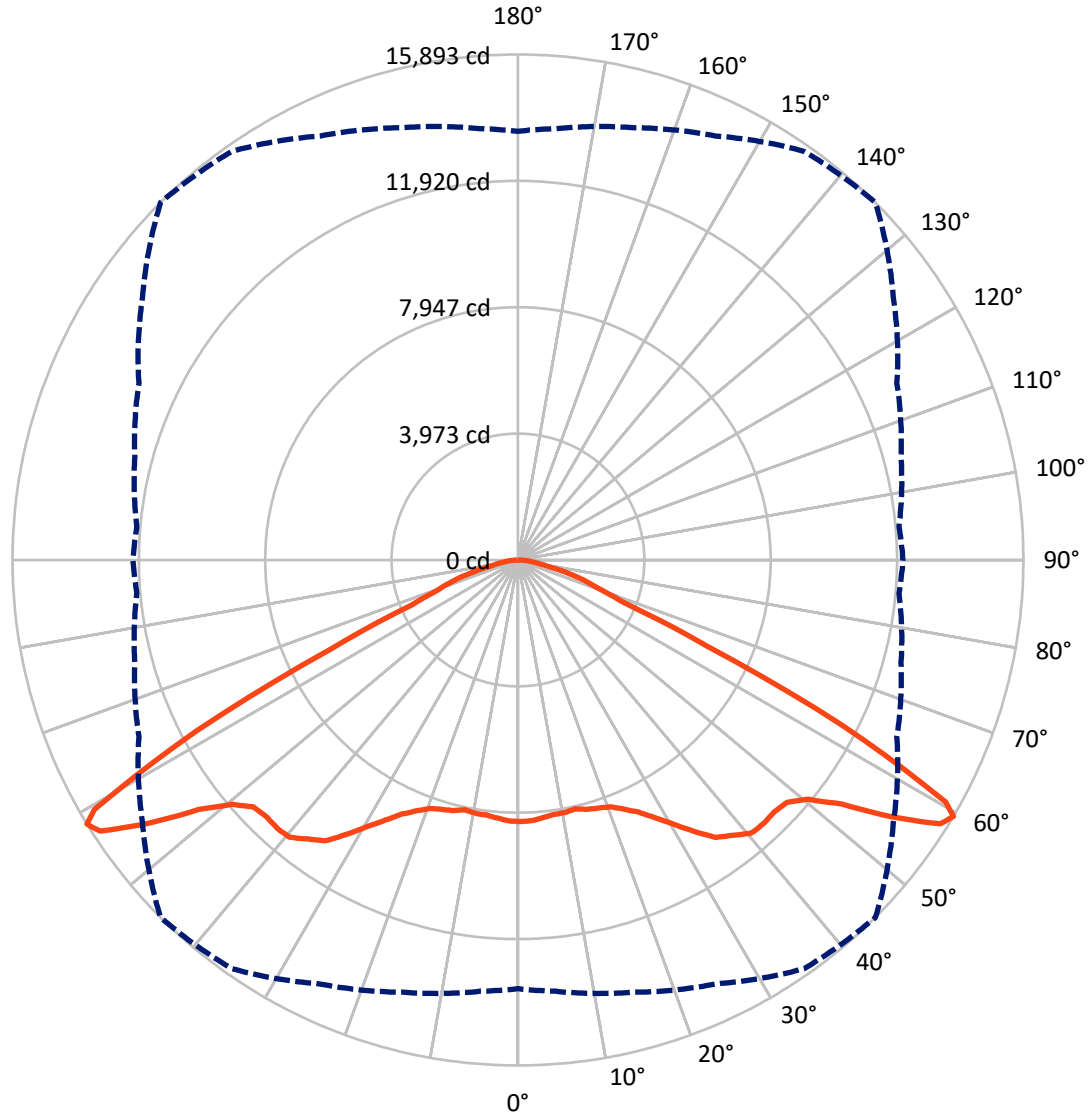
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21291.5	0.0	21291.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21291.5	0.0	21291.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42583.0	0.0	42583.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	775.4	1.8
10°-20°	2305.8	5.4
20°-30°	4026.1	9.5
30°-40°	6430.3	15.1
40°-50°	8759.4	20.6
50°-60°	11845.0	27.8
60°-70°	6495.8	15.3
70°-80°	1661.8	3.9
80°-90°	283.4	0.7
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°	42583.0	100.0
0°-180°	42583.0	100.0

**Coefficient of Utilization**



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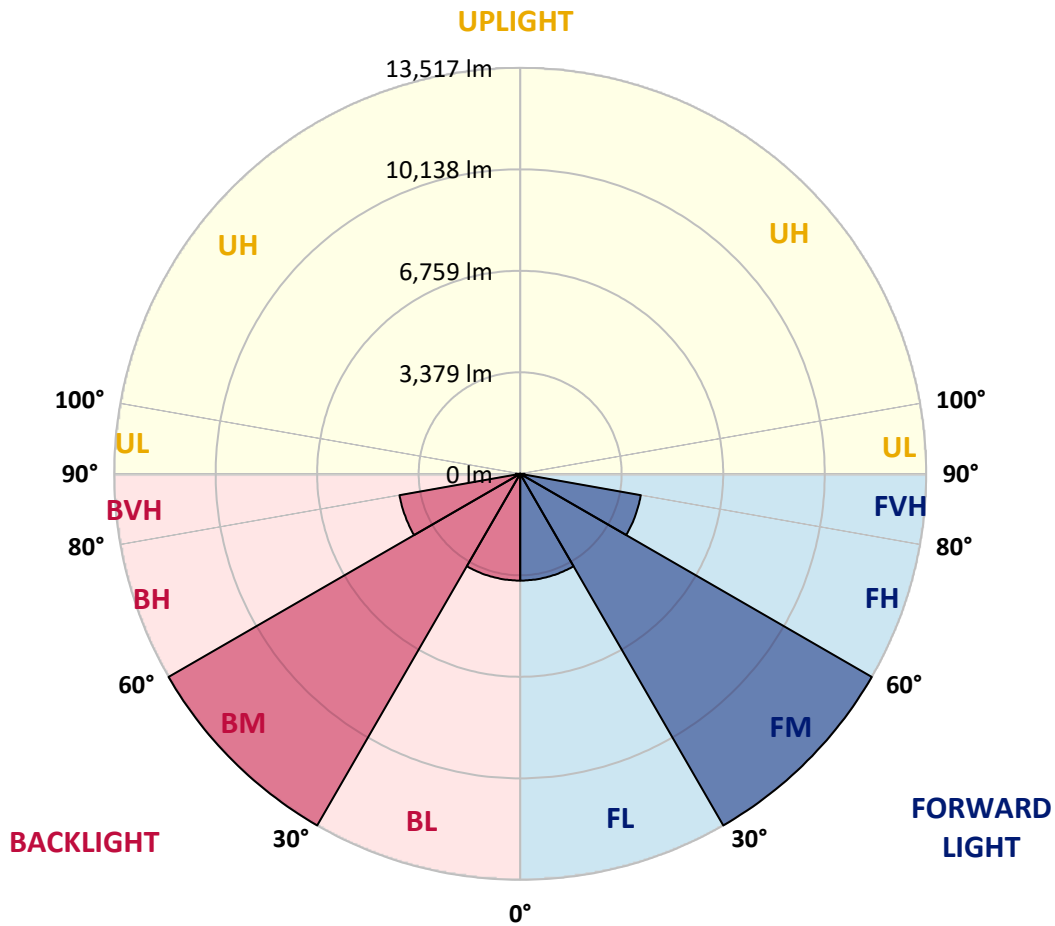
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3553.6	8.3			
FM (30°-60°)	13517.3	31.7			
FH (60°-80°)	4078.8	9.6			G2/5000
FVH (80°-90°)	141.7	0.3			G2/225
BL (0°-30°)	3553.6	8.3	B4/5000		
BM (30°-60°)	13517.3	31.7	B5		
BH (60°-80°)	4078.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	141.7	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°	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0	8225.0
2.5°	8175.9	8235.9	8192.3	8230.5	8225.0	8208.6	8181.3	8165.0	8143.1	8175.9	8121.3
5°	8143.1	8192.3	8241.4	8175.9	8175.9	8143.1	8126.8	8094.0	8094.0	8088.6	8083.1
7.5°	8197.7	8148.6	8126.8	8137.7	8148.6	8077.6	8126.8	8061.3	8006.7	8044.9	8088.6
10°	8148.6	8170.4	8088.6	8126.8	8066.7	8077.6	8044.9	8088.6	8028.5	8028.5	8028.5
12.5°	8197.7	8137.7	8165.0	8137.7	8121.3	8028.5	8072.2	8023.1	8017.6	8072.2	8023.1
15°	8296.0	8197.7	8175.9	8121.3	8137.7	8137.7	8094.0	8099.5	8039.4	8072.2	8083.1
17.5°	8263.2	8208.6	8192.3	8126.8	8181.3	8197.7	8115.8	8061.3	8099.5	8094.0	8088.6
20°	8290.5	8312.3	8296.0	8306.9	8328.7	8285.0	8208.6	8132.2	8083.1	8154.0	8148.6
22.5°	8465.1	8443.3	8432.4	8421.5	8459.7	8503.4	8399.7	8279.6	8279.6	8328.7	8350.5
25°	8607.0	8601.6	8596.1	8645.3	8776.2	8776.2	8645.3	8492.4	8454.2	8487.0	8459.7
27.5°	8814.4	8874.5	8852.7	8940.0	9131.0	9174.7	9000.0	8819.9	8716.2	8678.0	8727.1
30°	9289.3	9218.3	9234.7	9327.5	9496.7	9638.6	9371.2	9180.1	9038.2	9032.8	9054.6
32.5°	9605.8	9660.4	9709.5	9796.9	10064.3	10173.5	9851.4	9540.3	9453.0	9403.9	9420.3
35°	10239.0	10189.8	10178.9	10266.2	10533.7	10713.8	10309.9	10037.0	9922.4	10031.6	10031.6
37.5°	10839.3	10702.9	10599.2	10713.8	10959.4	10981.2	10637.4	10490.0	10430.0	10555.5	10550.0
40°	11123.1	11112.2	10872.1	10937.6	11265.0	11297.8	10975.8	10801.1	10790.2	10953.9	11117.7
42.5°	11417.8	11314.1	11074.0	11117.7	11319.6	11330.5	11024.9	10975.8	11095.8	11254.1	11265.0
45°	11467.0	11379.6	11226.8	11117.7	11265.0	11297.8	11117.7	11150.4	11161.3	11352.4	11352.4
47.5°	11565.2	11554.3	11467.0	11385.1	11412.4	11385.1	11270.5	11319.6	11483.3	11576.1	11532.5
50°	11838.1	11723.5	11810.8	11739.9	11745.3	11821.7	11718.0	11767.2	11734.4	11652.5	11598.0
52.5°	12438.5	12383.9	12460.3	12509.4	12564.0	12738.7	12618.6	12356.6	12111.0	11892.7	11887.2
55°	13317.2	13355.4	13502.8	13753.8	13966.7	14245.0	13666.5	13038.8	12645.9	12302.0	12323.9
57.5°	14146.8	14119.5	14321.4	14894.5	15516.7	15658.6	14523.4	13628.3	12989.7	12771.4	12678.6
59°	13480.9	13611.9	14070.4	14708.9	15685.9	15893.3	14408.8	13148.0	12471.2	12029.1	12105.5
60°	12433.0	12482.1	12891.5	13781.1	15101.9	15456.7	13639.2	12405.7	11505.2	11248.7	11363.3
62.5°	8787.2	8749.0	9043.7	9769.6	10953.9	11434.2	10140.7	9272.9	8705.3	8421.5	8487.0
65°	4671.9	4846.6	4966.7	5419.7	6047.3	6554.9	6020.0	5643.4	5326.9	5092.2	5086.7
67.5°	3154.6	3132.8	3160.1	3263.8	3476.7	3618.6	3607.6	3416.6	3389.3	3345.7	3394.8
70°	2658.0	2647.1	2597.9	2597.9	2641.6	2674.4	2712.6	2734.4	2778.1	2832.6	2827.2
72.5°	2155.9	2128.6	2095.8	2079.4	2134.0	2150.4	2199.5	2221.4	2259.6	2254.1	2303.2
75°	1424.5	1424.5	1462.7	1506.4	1522.7	1555.5	1560.9	1626.4	1626.4	1637.4	1593.7
77.5°	796.8	775.0	802.3	846.0	884.2	944.2	1004.2	1053.4	1080.7	1069.7	1069.7
80°	463.9	463.9	491.2	540.3	589.4	644.0	687.7	725.9	753.2	742.3	720.4
82.5°	289.3	289.3	316.6	365.7	403.9	436.6	496.7	545.8	578.5	567.6	540.3
85°	147.4	147.4	180.1	212.9	262.0	283.8	278.4	256.5	251.1	223.8	223.8
87.5°	38.2	38.2	54.6	60.0	49.1	54.6	54.6	54.6	54.6	54.6	60.0
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)