

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: P532668

Luminaire Tested: **GALN-SA8A-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532668  
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-SA8A-740-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 615mA 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: 32595 lumens  
Efficiency: N/A  
Efficacy: 133.6 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

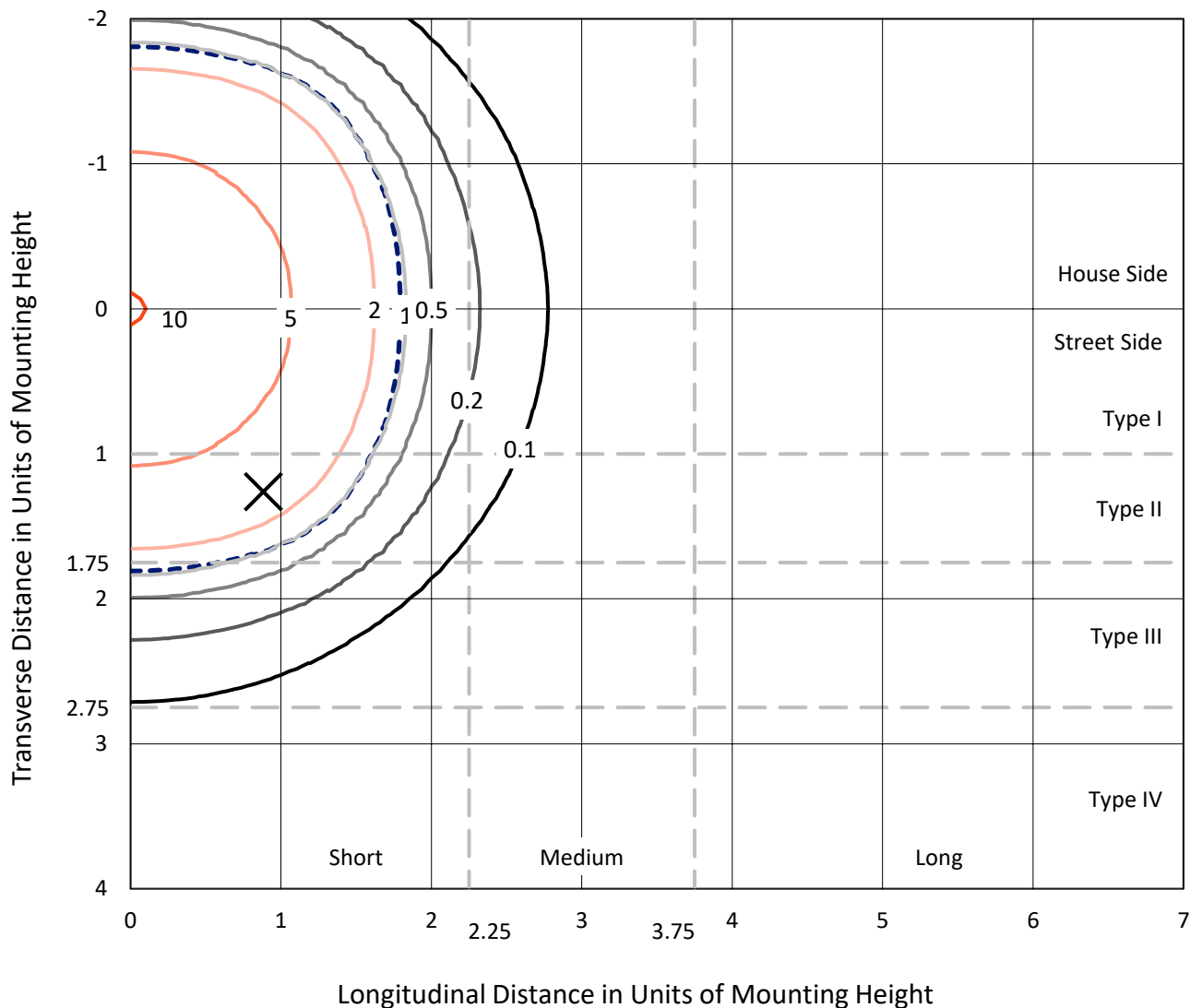
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

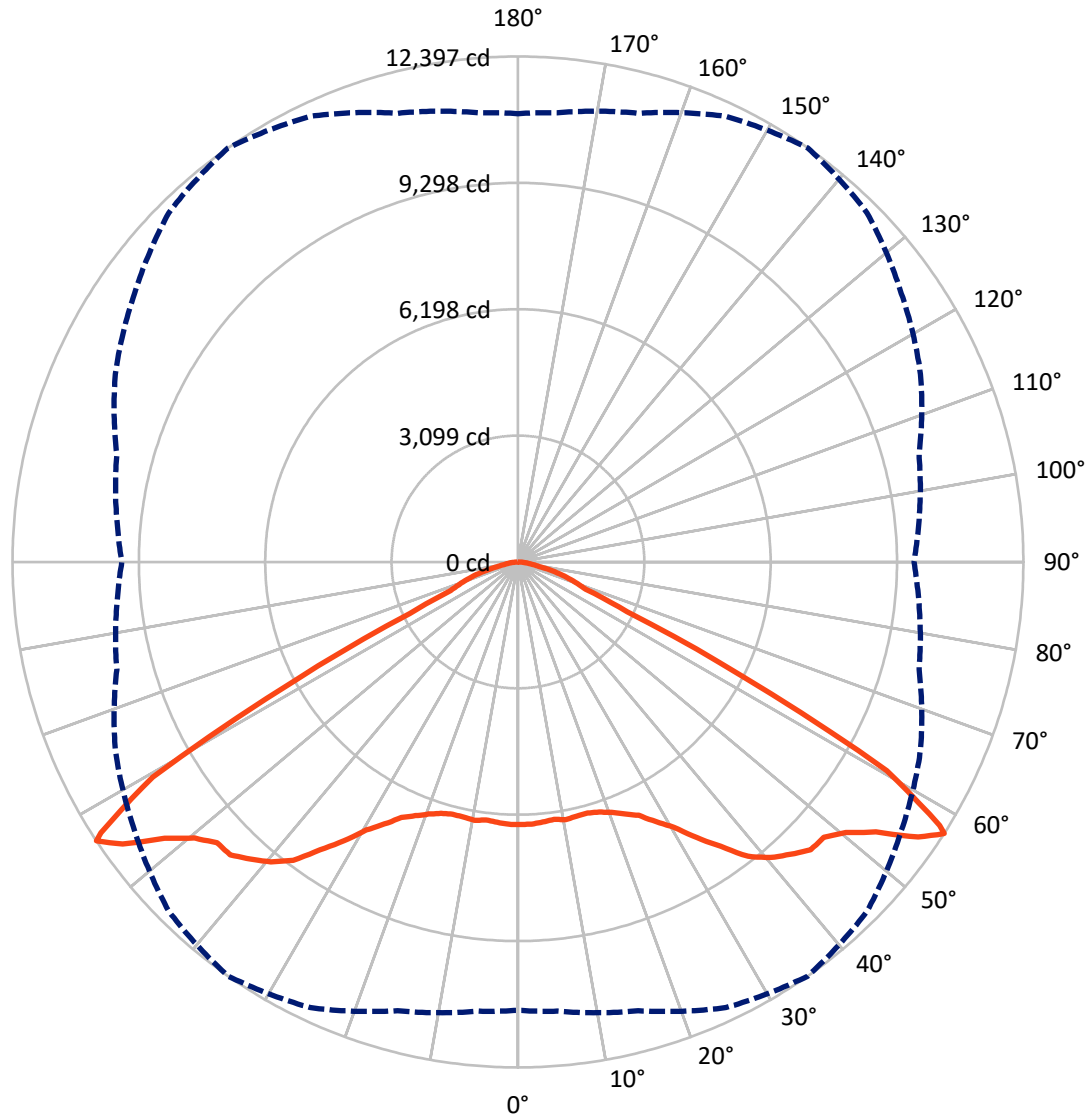
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	16297.5	0.0	16297.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16297.5	0.0	16297.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32595.0	0.0	32595.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.3	1.9
10°-20°	1807.5	5.5
20°-30°	3156.7	9.7
30°-40°	5172.4	15.9
40°-50°	7583.9	23.3
50°-60°	9552.6	29.3
60°-70°	3592.6	11.0
70°-80°	955.3	2.9
80°-90°	163.8	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°	32595.0	100.0
0°-180°	32595.0	100.0

**Coefficient of Utilization**



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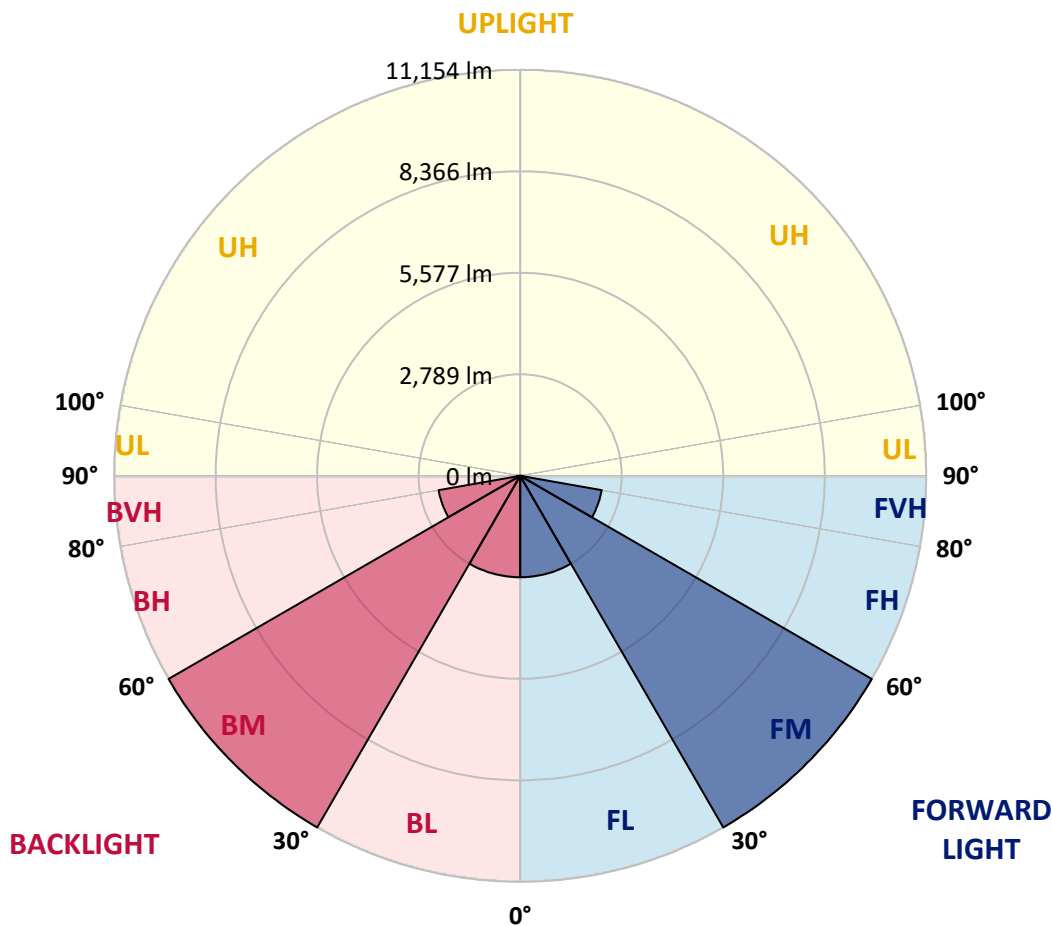
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2787.2	8.6			
FM (30°-60°)	11154.4	34.2			
FH (60°-80°)	2273.9	7.0			G2/5000
FVH (80°-90°)	81.9	0.3			G1/100
BL (0°-30°)	2787.2	8.6	B4/5000		
BM (30°-60°)	11154.4	34.2	B5		
BH (60°-80°)	2273.9	7.0	B3/2500		G2/5000
BVH (80°-90°)	81.9	0.3			G1/100
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°	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3	6437.3
2.5°	6405.1	6469.4	6441.3	6425.2	6437.3	6417.2	6385.1	6421.2	6413.2	6381.1	6369.0
5°	6389.1	6437.3	6405.1	6437.3	6405.1	6461.4	6445.3	6385.1	6457.4	6389.1	6413.2
7.5°	6377.0	6393.1	6401.1	6385.1	6373.0	6441.3	6405.1	6377.0	6336.9	6324.8	6344.9
10°	6348.9	6389.1	6328.8	6409.2	6425.2	6377.0	6377.0	6324.8	6292.7	6272.6	6340.9
12.5°	6421.2	6352.9	6344.9	6385.1	6397.1	6417.2	6361.0	6332.9	6272.6	6280.7	6268.6
15°	6336.9	6365.0	6369.0	6377.0	6389.1	6437.3	6385.1	6324.8	6300.7	6216.4	6224.4
17.5°	6369.0	6340.9	6369.0	6461.4	6445.3	6481.4	6425.2	6332.9	6276.6	6228.5	6292.7
20°	6425.2	6413.2	6425.2	6537.7	6557.7	6589.9	6541.7	6457.4	6348.9	6292.7	6324.8
22.5°	6485.5	6477.4	6485.5	6593.9	6710.3	6750.5	6702.3	6505.5	6449.3	6344.9	6308.8
25°	6593.9	6601.9	6686.2	6806.7	6883.0	6959.3	6871.0	6730.4	6549.7	6485.5	6409.2
27.5°	6834.8	6854.9	6903.1	7079.8	7212.3	7280.6	7156.1	6963.3	6850.9	6718.4	6698.3
30°	7132.0	7132.0	7216.3	7368.9	7549.6	7654.0	7501.5	7272.6	7136.0	7063.7	7019.6
32.5°	7525.5	7481.4	7513.5	7782.6	8063.7	8152.0	7947.2	7666.1	7449.2	7352.9	7320.7
35°	7862.9	7891.0	7963.3	8252.4	8565.6	8770.4	8449.2	8083.7	7862.9	7774.5	7758.5
37.5°	8300.6	8348.8	8384.9	8782.5	9160.0	9236.3	8927.0	8633.9	8364.8	8292.6	8252.4
40°	8919.0	8886.9	8898.9	9192.1	9533.4	9581.6	9276.4	9067.6	8846.7	8802.6	8802.6
42.5°	9429.0	9392.9	9433.0	9541.5	9802.5	9766.3	9597.7	9445.1	9352.7	9304.5	9352.7
45°	9738.2	9730.2	9802.5	9882.8	10067.5	9947.1	9814.5	9838.6	9750.3	9670.0	9665.9
47.5°	10075.6	10023.4	10111.7	10232.2	10091.6	10035.4	10027.4	10079.6	10051.5	9910.9	9866.7
50°	10240.2	10220.1	10360.7	10501.2	10424.9	10296.4	10324.5	10408.9	10047.4	9858.7	9750.3
52.5°	10681.9	10686.0	10955.0	11031.3	10999.2	10810.4	10870.7	10641.8	10216.1	9951.1	9963.1
55°	11376.7	11348.6	11649.7	11874.6	11910.8	11669.8	11380.7	11059.4	10525.3	10256.3	10176.0
57°	10995.2	11059.4	11392.7	12059.3	12396.7	12111.5	11481.1	10894.8	10184.0	9858.7	9714.1
57.5°	10485.2	10589.6	11167.8	11838.5	12191.9	12167.8	11356.6	10589.6	9955.1	9449.1	9461.1
60°	7682.2	7702.2	8224.3	9288.5	10392.8	10416.9	9429.0	8413.0	7706.3	7156.1	7232.4
62.5°	4051.9	4144.3	4353.1	5208.4	6164.2	6397.1	5798.8	5276.7	4666.3	4248.7	4288.8
65°	2144.4	2132.4	2232.8	2473.7	2943.6	3064.0	2983.7	2570.1	2357.3	2289.0	2293.0
67.5°	1742.8	1762.9	1750.9	1762.9	1795.0	1847.3	1835.2	1851.3	1863.3	1883.4	1879.4
70°	1477.8	1477.8	1485.8	1489.8	1489.8	1513.9	1542.1	1594.3	1598.3	1618.4	1626.4
72.5°	1164.6	1156.5	1168.6	1196.7	1200.7	1220.8	1261.0	1293.1	1305.1	1305.1	1281.0
75°	791.1	799.1	815.2	839.3	863.4	899.5	931.7	951.7	959.8	947.7	935.7
77.5°	445.7	453.8	465.8	502.0	530.1	562.2	598.3	618.4	638.5	642.5	618.4
80°	265.0	265.0	285.1	313.2	345.4	377.5	409.6	433.7	441.7	441.7	429.7
82.5°	160.6	164.6	180.7	208.8	236.9	257.0	285.1	305.2	321.3	317.2	309.2
85°	84.3	84.3	100.4	124.5	144.6	164.6	164.6	152.6	144.6	124.5	116.5
87.5°	28.1	24.1	32.1	32.1	28.1	32.1	32.1	36.1	36.1	36.1	36.1
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)