

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: P526557

Luminaire Tested: **GALN-SA1C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526557  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

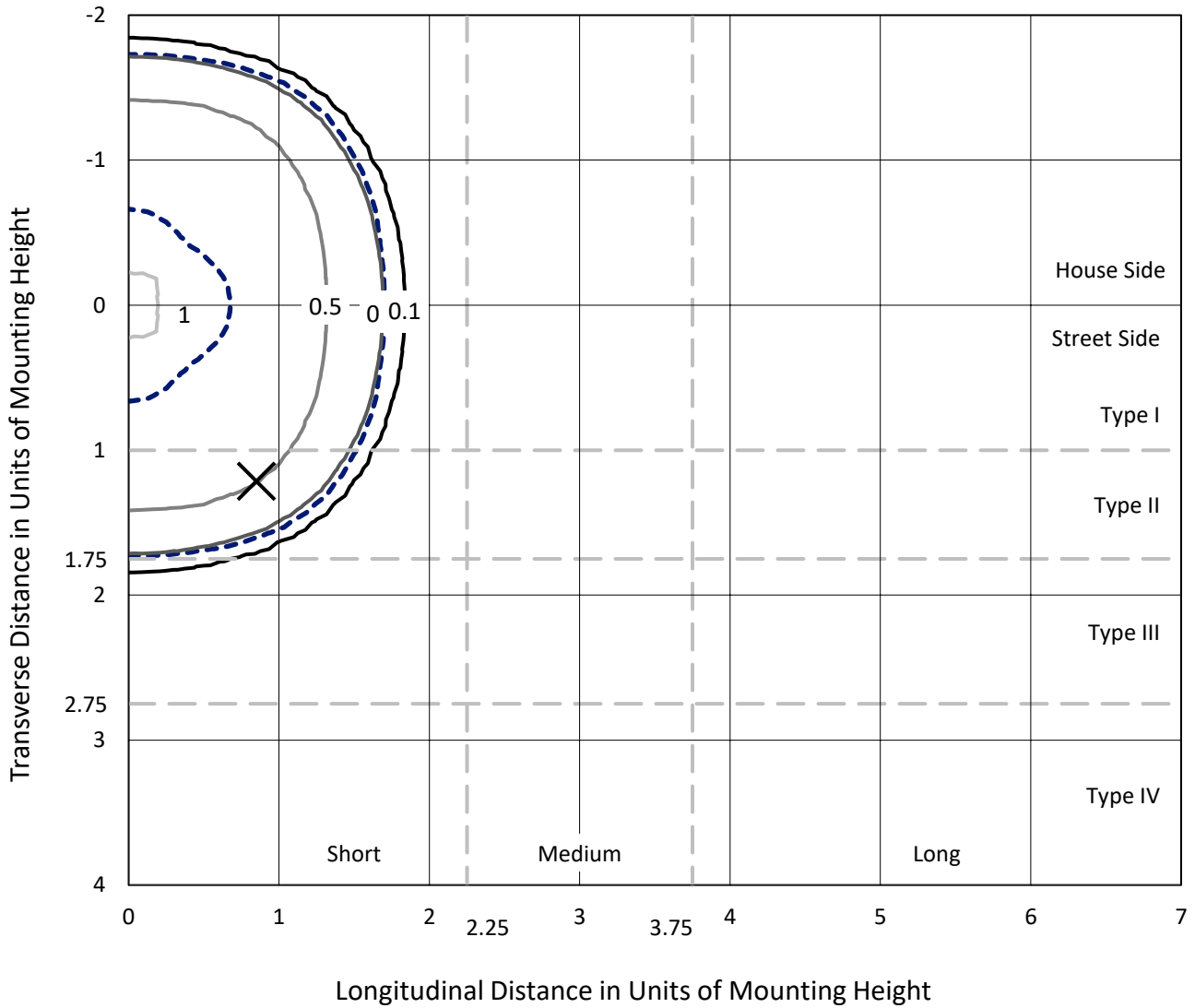
Lumens per Lamp: N/A  
Luminaire Lumens: 3977 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

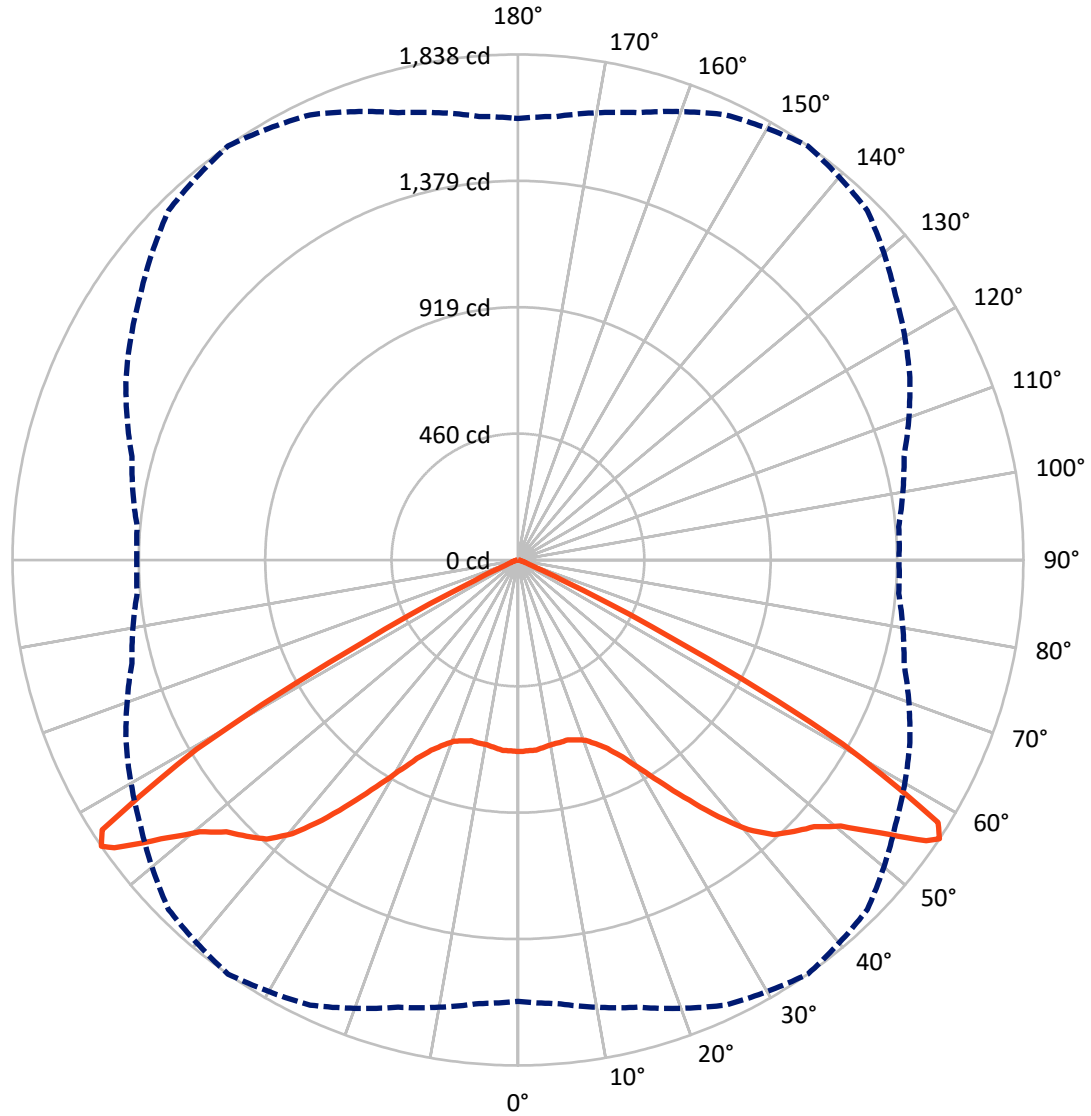
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1988.5	0.0	1988.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1988.5	0.0	1988.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3977.0	0.0	3977.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	1.6
10°-20°	191.2	4.8
20°-30°	346.3	8.7
30°-40°	642.1	16.1
40°-50°	1053.9	26.5
50°-60°	1357.8	34.1
60°-70°	299.2	7.5
70°-80°	17.4	0.4
80°-90°	3.6	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°	3977.0	100.0
0°-180°	3977.0	100.0

**Coefficient of Utilization**

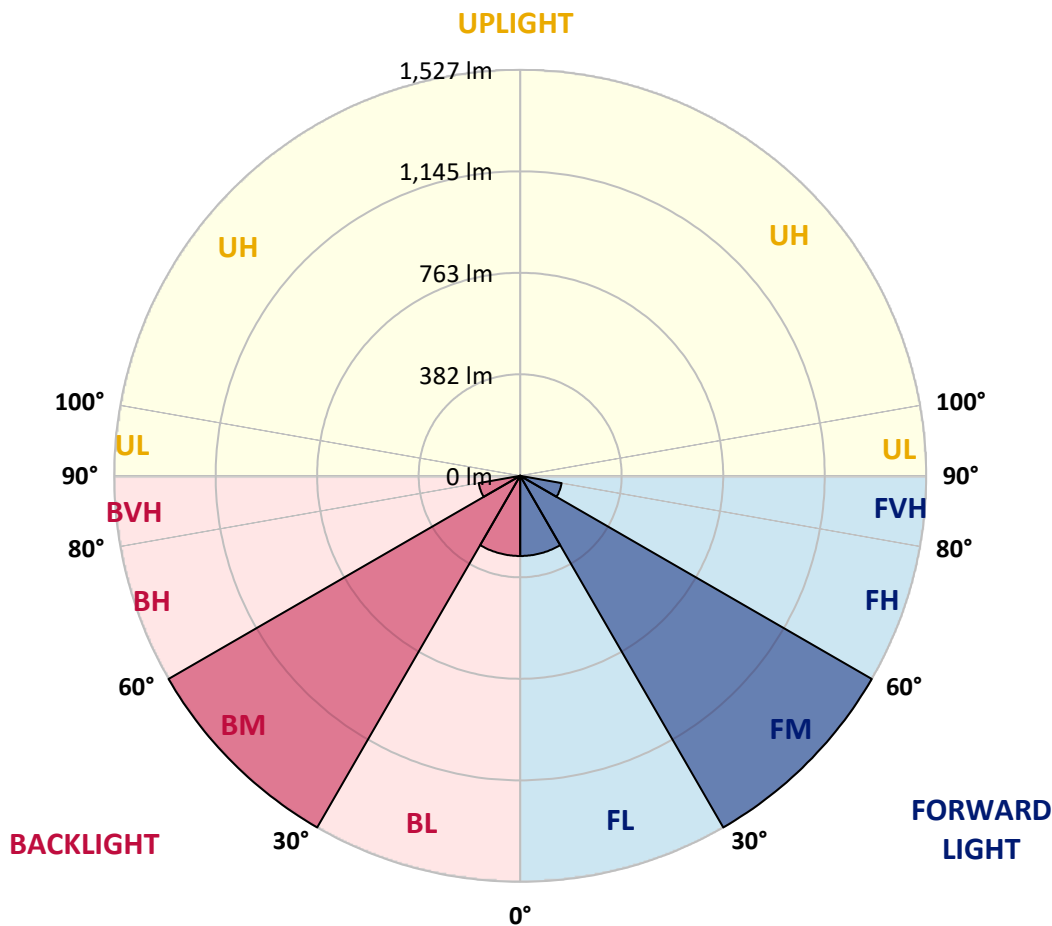


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.5	7.6			
FM (30°-60°)	1526.9	38.4			
FH (60°-80°)	158.3	4.0			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	301.5	7.6	B1/500		
BM (30°-60°)	1526.9	38.4	B2/2500		
BH (60°-80°)	158.3	4.0	B1/500		G0/660
BVH (80°-90°)	1.8	0.0			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°	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
2.5°	698.3	698.3	699.0	699.7	694.7	692.5	693.3	691.8	691.1	693.3	693.3
5°	696.1	696.1	694.0	694.7	694.7	688.2	688.2	689.6	689.6	685.3	683.9
7.5°	690.4	688.9	686.0	689.6	687.5	687.5	682.4	678.8	677.4	680.3	677.4
10°	678.1	678.8	681.7	683.2	681.7	686.0	677.4	672.4	667.3	665.1	665.1
12.5°	672.4	676.7	672.4	676.0	681.0	677.4	672.4	668.8	661.5	658.7	658.7
15°	671.6	674.5	676.0	681.0	678.8	680.3	670.2	665.9	655.1	650.0	647.9
17.5°	670.9	674.5	676.7	686.0	687.5	688.2	680.3	667.3	657.9	652.9	647.9
20°	678.8	680.3	684.6	694.0	699.7	709.8	695.4	681.7	661.5	655.8	653.6
22.5°	688.9	696.1	700.5	710.5	725.7	734.3	715.6	698.3	677.4	670.2	661.5
25°	721.4	719.9	727.1	748.0	760.3	766.8	751.6	726.4	699.0	690.4	691.8
27.5°	761.7	763.2	769.6	792.7	810.7	820.8	802.8	769.6	743.0	728.6	727.1
30°	814.3	812.9	820.1	851.1	883.5	898.6	866.9	828.0	802.1	783.3	787.7
32.5°	869.8	870.5	890.7	918.8	971.4	1001.0	949.8	902.2	863.3	850.4	843.9
35°	952.0	955.6	971.4	1014.7	1073.0	1111.2	1055.0	998.1	953.4	929.6	932.5
37.5°	1053.6	1050.0	1076.6	1123.5	1184.7	1212.8	1165.3	1100.4	1055.0	1039.2	1049.2
40°	1161.7	1165.3	1179.0	1221.5	1289.9	1308.7	1238.1	1202.7	1163.1	1155.2	1167.4
42.5°	1269.8	1267.6	1277.7	1315.9	1365.6	1352.6	1310.8	1289.9	1261.8	1246.0	1262.6
45°	1349.0	1345.4	1364.2	1390.1	1408.1	1383.6	1364.9	1357.7	1343.3	1326.0	1341.1
47.5°	1426.1	1423.3	1441.3	1448.5	1449.9	1417.5	1421.1	1434.1	1398.0	1362.0	1379.3
50°	1491.7	1486.7	1509.0	1524.9	1521.3	1469.4	1482.4	1469.4	1413.2	1370.7	1364.2
52.5°	1601.3	1603.4	1627.2	1656.0	1647.4	1604.1	1585.4	1526.3	1454.2	1416.1	1393.7
55°	1670.4	1659.6	1700.7	1792.2	1802.3	1757.6	1674.8	1587.6	1479.5	1432.6	1426.9
56°	1605.6	1619.3	1684.1	1786.5	1838.3	1797.3	1676.9	1572.4	1453.5	1390.1	1385.8
57.5°	1440.6	1433.3	1521.3	1661.1	1802.3	1785.0	1617.8	1464.3	1326.0	1254.6	1246.0
60°	896.5	917.4	994.5	1167.4	1356.2	1364.9	1199.1	1067.3	905.8	842.4	857.6
62.5°	351.0	332.9	381.2	510.2	639.9	668.8	606.1	503.7	413.6	351.0	346.6
65°	81.4	79.3	89.4	123.2	172.2	199.6	189.5	136.2	100.2	95.1	87.9
67.5°	46.1	46.1	44.0	44.0	48.3	51.2	49.0	48.3	50.4	52.6	51.9
70°	32.4	31.7	30.3	31.0	29.5	29.5	31.7	35.3	38.2	38.2	38.9
72.5°	19.5	19.5	19.5	21.6	21.6	21.6	23.8	26.7	27.4	26.7	25.9
75°	8.6	8.6	10.1	12.3	13.7	14.4	16.6	18.0	19.5	18.0	16.6
77.5°	2.2	2.2	3.6	5.0	6.5	7.9	10.8	13.0	13.7	13.0	10.8
80°	0.7	0.7	1.4	3.6	6.5	7.9	10.8	11.5	12.3	10.8	8.6
82.5°	0.7	0.7	1.4	3.6	5.0	6.5	8.6	10.1	10.8	9.4	8.6
85°	0.0	0.7	1.4	2.9	4.3	5.8	5.8	4.3	3.6	2.2	2.9
87.5°	0.0	0.0	0.7	0.7	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)