

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: P527025

Luminaire Tested: **GALN-SA2A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527025  
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-SA2A-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

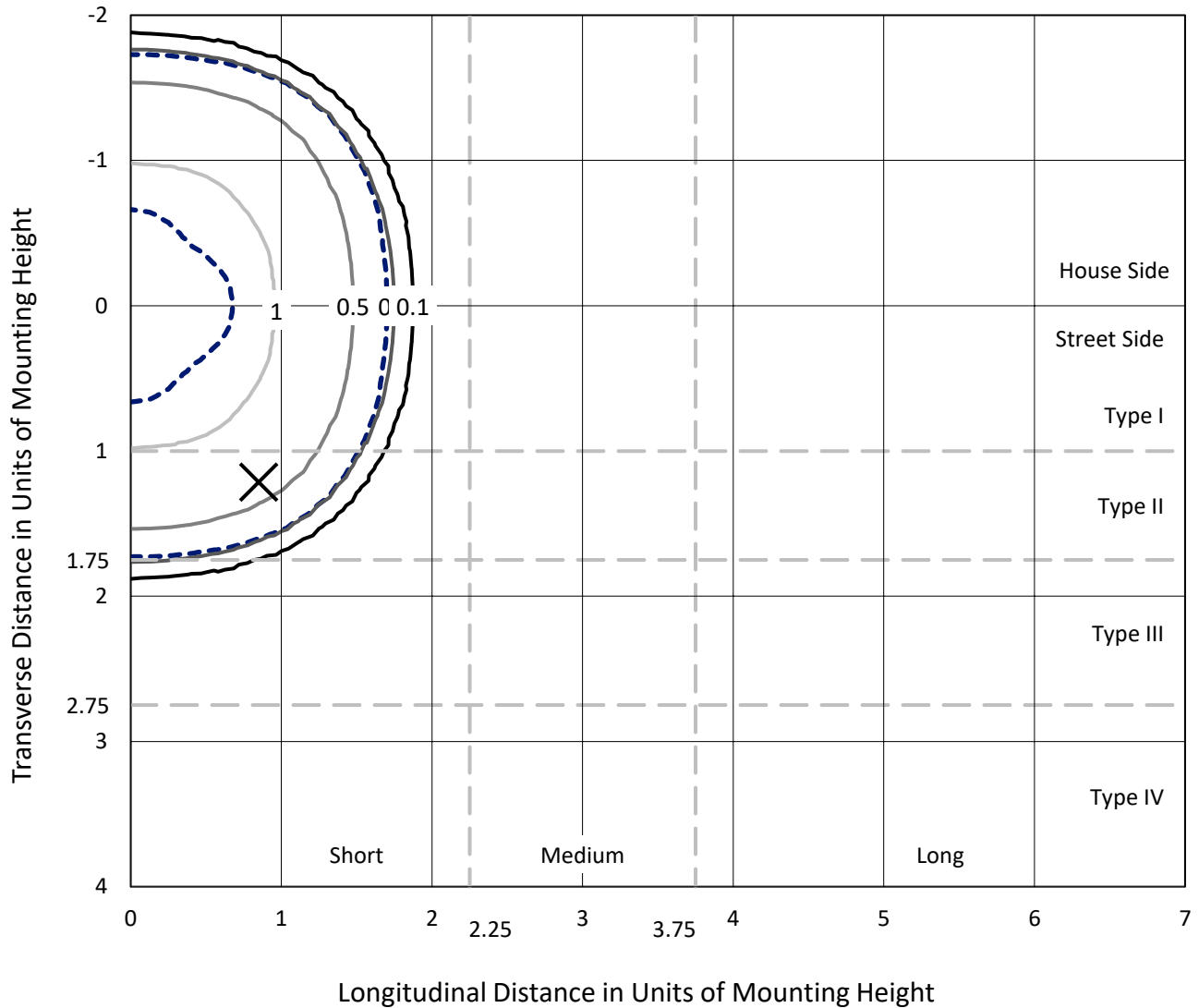
Lumens per Lamp: N/A  
Luminaire Lumens: 5141 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

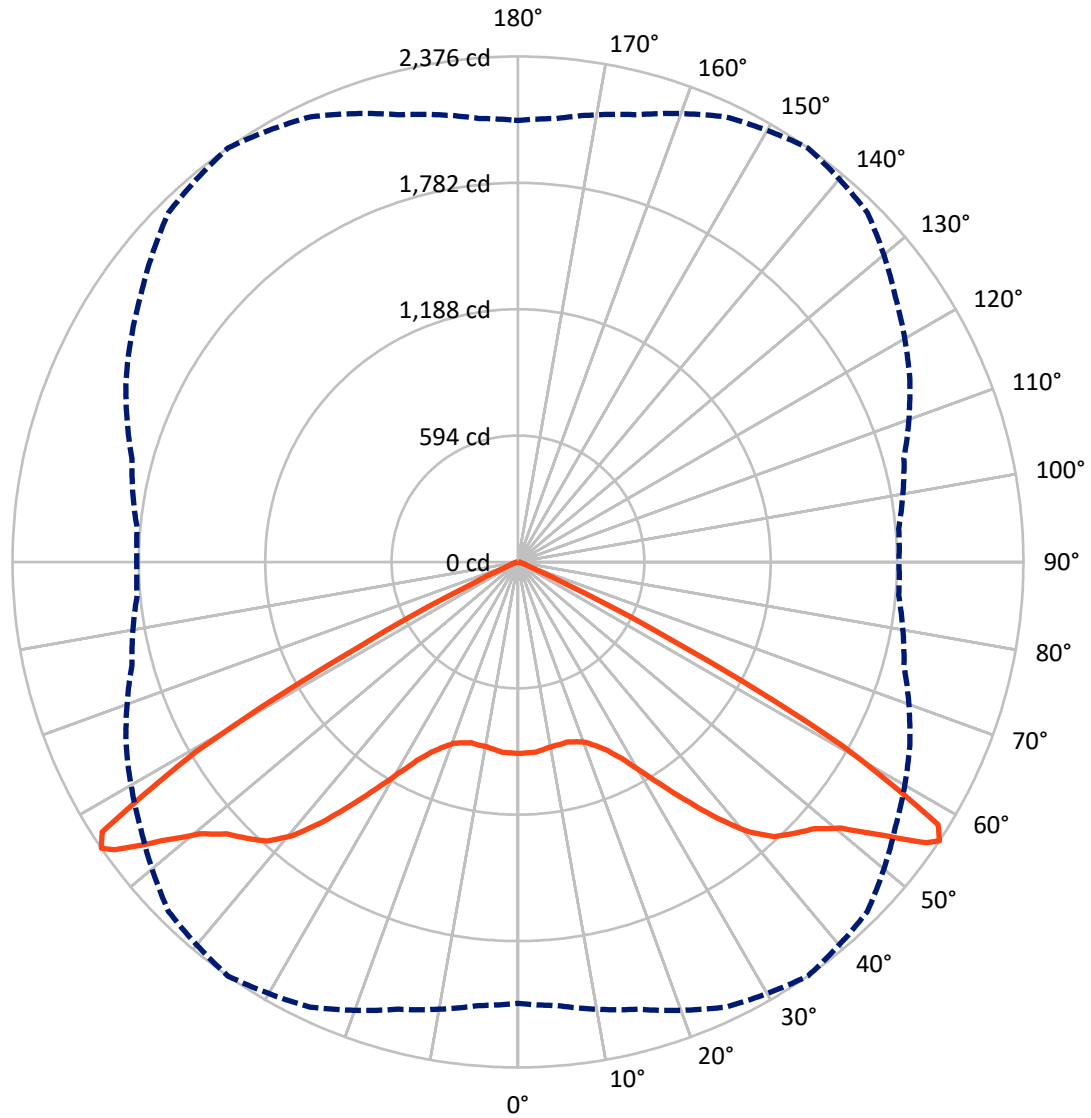
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	2570.5	0.0	2570.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2570.5	0.0	2570.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5141.0	0.0	5141.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.7	1.6
10°-20°	247.2	4.8
20°-30°	447.6	8.7
30°-40°	830.0	16.1
40°-50°	1362.4	26.5
50°-60°	1755.2	34.1
60°-70°	386.8	7.5
70°-80°	22.4	0.4
80°-90°	4.7	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°	5141.0	100.0
0°-180°	5141.0	100.0

**Coefficient of Utilization**



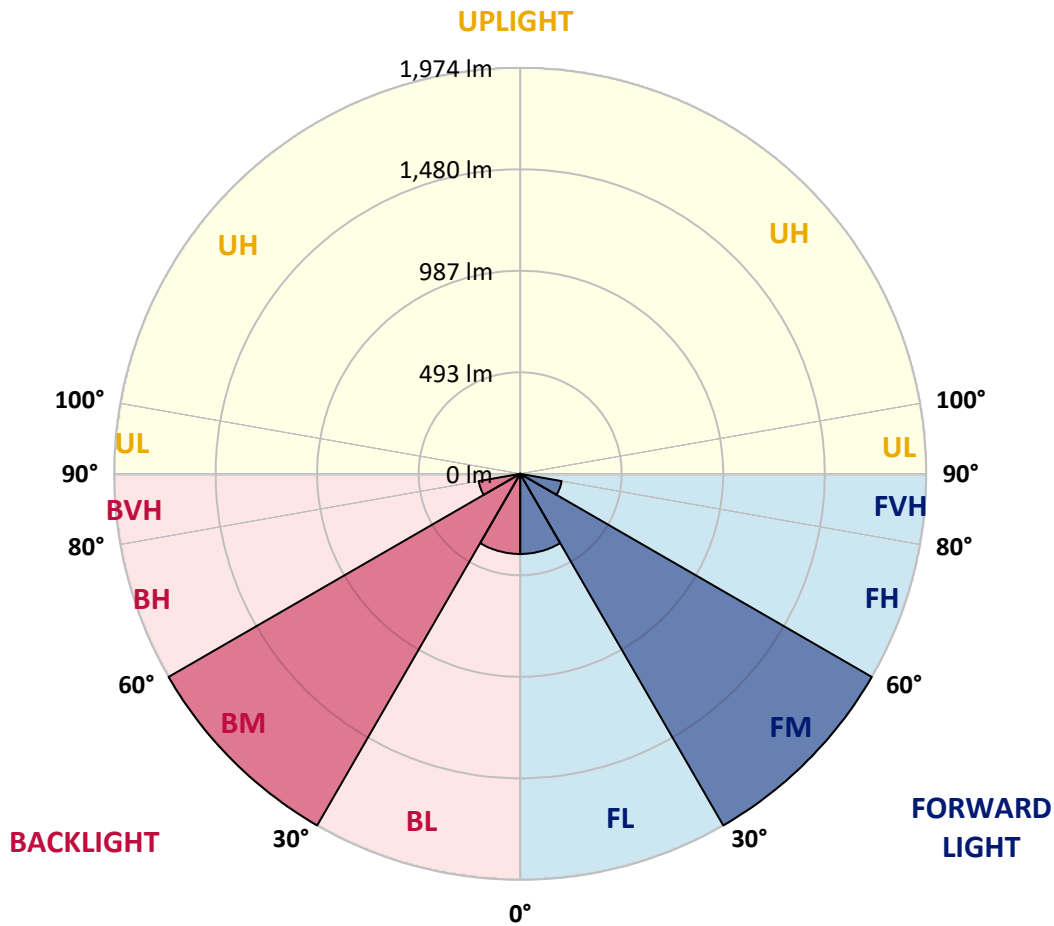
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.7	7.6			
FM (30°-60°)	1973.8	38.4			
FH (60°-80°)	204.6	4.0			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	389.7	7.6	B1/500		
BM (30°-60°)	1973.8	38.4	B2/2500		
BH (60°-80°)	204.6	4.0	B1/500		G0/660
BVH (80°-90°)	2.4	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°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8
2.5°	902.7	902.7	903.6	904.5	898.0	895.2	896.2	894.3	893.4	896.2	896.2
5°	899.9	899.9	897.1	898.0	898.0	889.6	889.6	891.5	891.5	885.9	884.0
7.5°	892.4	890.6	886.8	891.5	888.7	888.7	882.2	877.5	875.7	879.4	875.7
10°	876.6	877.5	881.3	883.1	881.3	886.8	875.7	869.1	862.6	859.8	859.8
12.5°	869.1	874.7	869.1	873.8	880.3	875.7	869.1	864.5	855.2	851.4	851.4
15°	868.2	871.9	873.8	880.3	877.5	879.4	866.3	860.8	846.8	840.3	837.5
17.5°	867.3	871.9	874.7	886.8	888.7	889.6	879.4	862.6	850.5	844.0	837.5
20°	877.5	879.4	885.0	897.1	904.5	917.6	899.0	881.3	855.2	847.7	844.9
22.5°	890.6	899.9	905.5	918.5	938.1	949.3	925.0	902.7	875.7	866.3	855.2
25°	932.5	930.6	939.9	967.0	982.8	991.2	971.6	939.0	903.6	892.4	894.3
27.5°	984.7	986.5	994.9	1024.7	1048.0	1061.0	1037.8	994.9	960.4	941.8	939.9
30°	1052.7	1050.8	1060.1	1100.2	1142.1	1161.6	1120.7	1070.4	1036.8	1012.6	1018.2
32.5°	1124.4	1125.3	1151.4	1187.7	1255.7	1293.9	1227.8	1166.3	1116.0	1099.2	1090.9
35°	1230.6	1235.2	1255.7	1311.6	1387.1	1436.5	1363.8	1290.2	1232.4	1201.7	1205.4
37.5°	1361.9	1357.3	1391.7	1452.3	1531.5	1567.8	1506.3	1422.5	1363.8	1343.3	1356.3
40°	1501.7	1506.3	1524.0	1579.0	1667.5	1691.7	1600.4	1554.8	1503.5	1493.3	1509.1
42.5°	1641.4	1638.6	1651.6	1701.0	1765.3	1748.5	1694.5	1667.5	1631.2	1610.7	1632.1
45°	1743.9	1739.2	1763.4	1797.0	1820.3	1788.6	1764.4	1755.0	1736.4	1714.1	1733.6
47.5°	1843.5	1839.8	1863.1	1872.4	1874.3	1832.4	1837.0	1853.8	1807.2	1760.6	1783.0
50°	1928.3	1921.8	1950.7	1971.2	1966.5	1899.4	1916.2	1899.4	1826.8	1771.8	1763.4
52.5°	2069.9	2072.7	2103.5	2140.7	2129.5	2073.6	2049.4	1973.0	1879.9	1830.5	1801.6
55°	2159.3	2145.4	2198.5	2316.8	2329.8	2272.1	2164.9	2052.2	1912.5	1851.9	1844.5
56°	2075.5	2093.2	2177.0	2309.3	2376.4	2323.3	2167.7	2032.7	1878.9	1797.0	1791.4
57.5°	1862.2	1852.9	1966.5	2147.2	2329.8	2307.5	2091.3	1892.9	1714.1	1621.8	1610.7
60°	1158.9	1185.9	1285.5	1509.1	1753.2	1764.4	1550.1	1379.6	1171.0	1089.0	1108.6
62.5°	453.7	430.4	492.8	659.5	827.2	864.5	783.4	651.2	534.7	453.7	448.1
65°	105.3	102.5	115.5	159.3	222.6	258.0	245.0	176.1	129.5	123.0	113.6
67.5°	59.6	59.6	56.8	56.8	62.4	66.1	63.3	62.4	65.2	68.0	67.1
70°	41.9	41.0	39.1	40.1	38.2	38.2	41.0	45.6	49.4	49.4	50.3
72.5°	25.2	25.2	25.2	27.9	27.9	27.9	30.7	34.5	35.4	34.5	33.5
75°	11.2	11.2	13.0	15.8	17.7	18.6	21.4	23.3	25.2	23.3	21.4
77.5°	2.8	2.8	4.7	6.5	8.4	10.2	14.0	16.8	17.7	16.8	14.0
80°	0.9	0.9	1.9	4.7	8.4	10.2	14.0	14.9	15.8	14.0	11.2
82.5°	0.9	0.9	1.9	4.7	6.5	8.4	11.2	13.0	14.0	12.1	11.2
85°	0.0	0.9	1.9	3.7	5.6	7.5	7.5	5.6	4.7	2.8	3.7
87.5°	0.0	0.0	0.9	0.9	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)