

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: P526999

Luminaire Tested: **GALN-SA2A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526999  
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-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 5026 lumens  
Efficiency: N/A  
Efficacy: 79.8 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

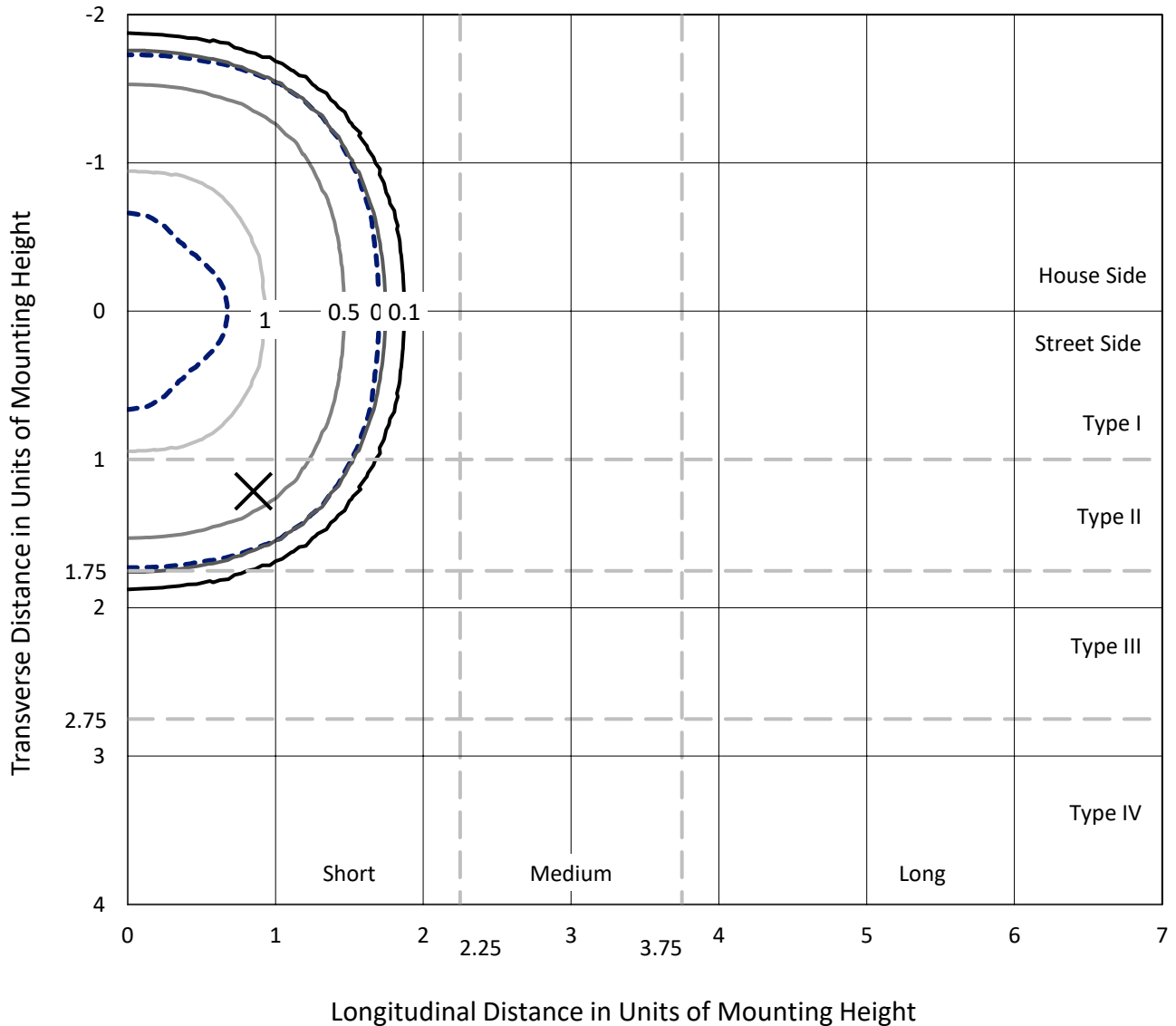




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### Iso-Footcandle Lines of Horizontal Illumination

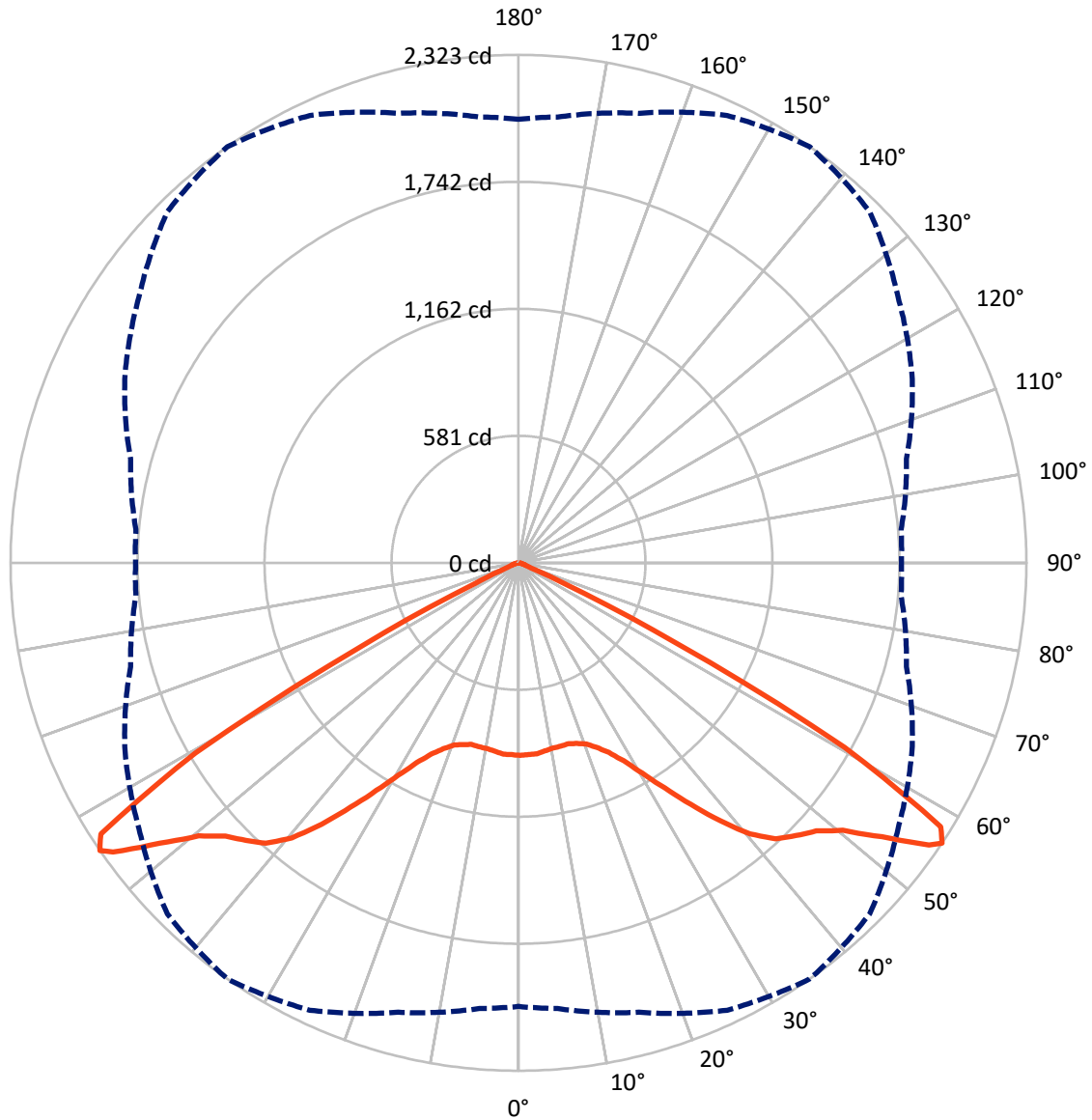
× Max cd  
 - - - 1/2 Max cd



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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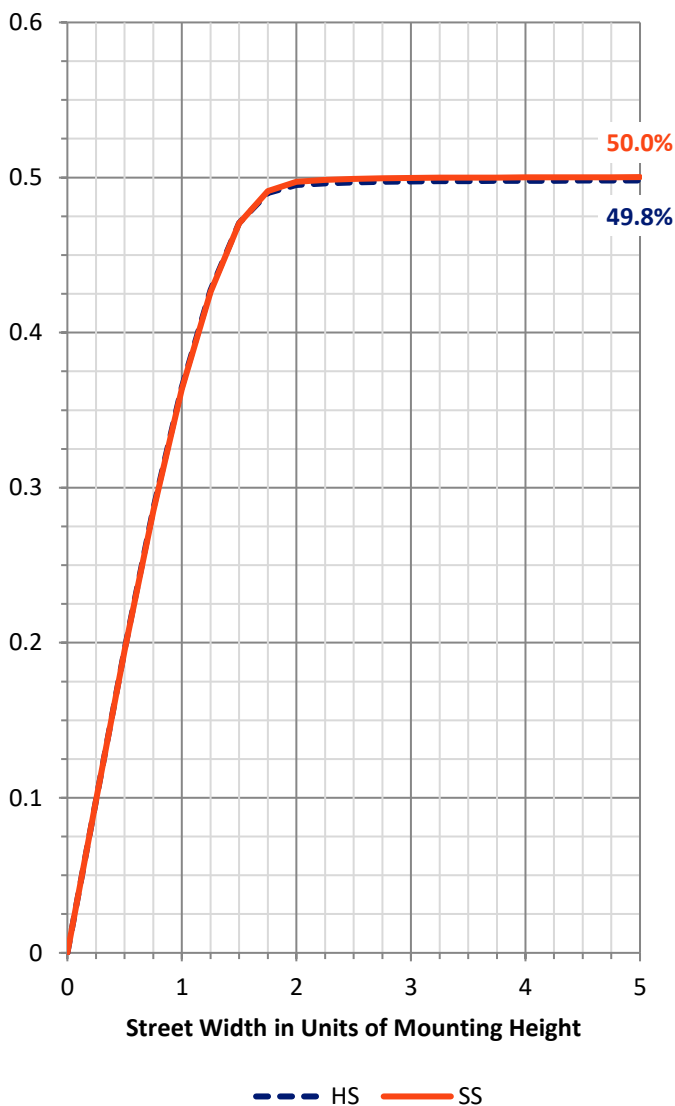
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2513.0	0.0	2513.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2513.0	0.0	2513.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5026.0	0.0	5026.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	1.6
10°-20°	241.6	4.8
20°-30°	437.6	8.7
30°-40°	811.4	16.1
40°-50°	1331.9	26.5
50°-60°	1715.9	34.1
60°-70°	378.2	7.5
70°-80°	21.9	0.4
80°-90°	4.6	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°	5026.0	100.0
0°-180°	5026.0	100.0

**Coefficient of Utilization**

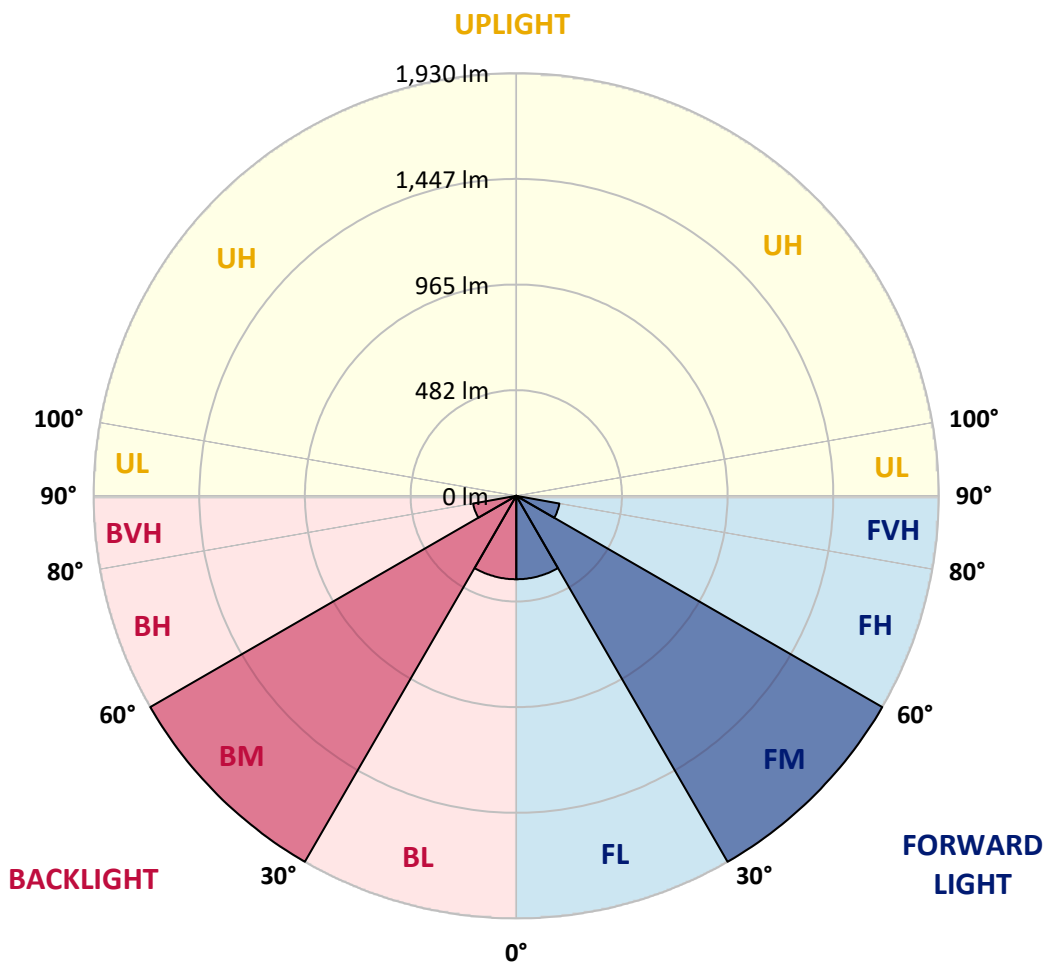


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.0	7.6			
FM (30°-60°)	1929.6	38.4			
FH (60°-80°)	200.1	4.0			G0/660
FVH (80°-90°)	2.3	0.0			G0/10
BL (0°-30°)	381.0	7.6	B1/500		
BM (30°-60°)	1929.6	38.4	B2/2500		
BH (60°-80°)	200.1	4.0	B1/500		G0/660
BVH (80°-90°)	2.3	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°	880.7	880.7	880.7	880.7	880.7	880.7	880.7	880.7	880.7	880.7	880.7
2.5°	882.5	882.5	883.4	884.3	877.9	875.2	876.1	874.3	873.4	876.1	876.1
5°	879.8	879.8	877.0	877.9	877.9	869.7	869.7	871.6	871.6	866.1	864.3
7.5°	872.5	870.6	867.0	871.6	868.8	868.8	862.4	857.9	856.1	859.7	856.1
10°	857.0	857.9	861.5	863.4	861.5	867.0	856.1	849.7	843.3	840.6	840.6
12.5°	849.7	855.2	849.7	854.3	860.6	856.1	849.7	845.1	836.0	832.4	832.4
15°	848.8	852.4	854.3	860.6	857.9	859.7	847.0	841.5	827.8	821.5	818.7
17.5°	847.9	852.4	855.2	867.0	868.8	869.7	859.7	843.3	831.5	825.1	818.7
20°	857.9	859.7	865.2	877.0	884.3	897.1	878.8	861.5	836.0	828.8	826.0
22.5°	870.6	879.8	885.2	898.0	917.1	928.0	904.3	882.5	856.1	847.0	836.0
25°	911.6	909.8	918.9	945.3	960.8	969.0	949.9	918.0	883.4	872.5	874.3
27.5°	962.6	964.4	972.6	1001.8	1024.6	1037.3	1014.5	972.6	938.9	920.7	918.9
30°	1029.1	1027.3	1036.4	1075.6	1116.5	1135.7	1095.6	1046.4	1013.6	989.9	995.4
32.5°	1099.2	1100.1	1125.6	1161.2	1227.6	1265.0	1200.3	1140.2	1091.0	1074.6	1066.4
35°	1203.1	1207.6	1227.6	1282.3	1356.1	1404.3	1333.3	1261.3	1204.9	1174.8	1178.5
37.5°	1331.5	1326.9	1360.6	1419.8	1497.2	1532.7	1472.6	1390.7	1333.3	1313.3	1326.0
40°	1468.1	1472.6	1489.9	1543.7	1630.2	1653.9	1564.6	1520.0	1469.9	1459.9	1475.4
42.5°	1604.7	1602.0	1614.7	1663.0	1725.8	1709.4	1656.6	1630.2	1594.7	1574.6	1595.6
45°	1704.9	1700.3	1724.0	1756.8	1779.5	1748.6	1724.9	1715.8	1697.6	1675.7	1694.8
47.5°	1802.3	1798.7	1821.4	1830.5	1832.4	1791.4	1795.9	1812.3	1766.8	1721.3	1743.1
50°	1885.2	1878.8	1907.0	1927.1	1922.5	1857.0	1873.3	1857.0	1785.9	1732.2	1724.0
52.5°	2023.6	2026.3	2056.4	2092.8	2081.9	2027.3	2003.6	1928.9	1837.8	1789.6	1761.3
55°	2111.0	2097.4	2149.3	2265.0	2277.7	2221.2	2116.5	2006.3	1869.7	1810.5	1803.2
56°	2029.1	2046.4	2128.3	2257.7	2323.2	2271.3	2119.2	1987.2	1836.9	1756.8	1751.3
57.5°	1820.5	1811.4	1922.5	2099.2	2277.7	2255.8	2044.6	1850.6	1675.7	1585.6	1574.6
60°	1132.9	1159.3	1256.8	1475.4	1714.0	1724.9	1515.4	1348.8	1144.8	1064.6	1083.8
62.5°	443.5	420.8	481.8	644.8	808.7	845.1	765.9	636.6	522.8	443.5	438.1
65°	102.9	100.2	112.9	155.7	217.7	252.3	239.5	172.1	126.6	120.2	111.1
67.5°	58.3	58.3	55.6	55.6	61.0	64.7	61.9	61.0	63.8	66.5	65.6
70°	41.0	40.1	38.3	39.2	37.3	37.3	40.1	44.6	48.3	48.3	49.2
72.5°	24.6	24.6	24.6	27.3	27.3	27.3	30.1	33.7	34.6	33.7	32.8
75°	10.9	10.9	12.8	15.5	17.3	18.2	20.9	22.8	24.6	22.8	20.9
77.5°	2.7	2.7	4.6	6.4	8.2	10.0	13.7	16.4	17.3	16.4	13.7
80°	0.9	0.9	1.8	4.6	8.2	10.0	13.7	14.6	15.5	13.7	10.9
82.5°	0.9	0.9	1.8	4.6	6.4	8.2	10.9	12.8	13.7	11.8	10.9
85°	0.0	0.9	1.8	3.6	5.5	7.3	7.3	5.5	4.6	2.7	3.6
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)