

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: P527007

Luminaire Tested: **GALN-SA2A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
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-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5412 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

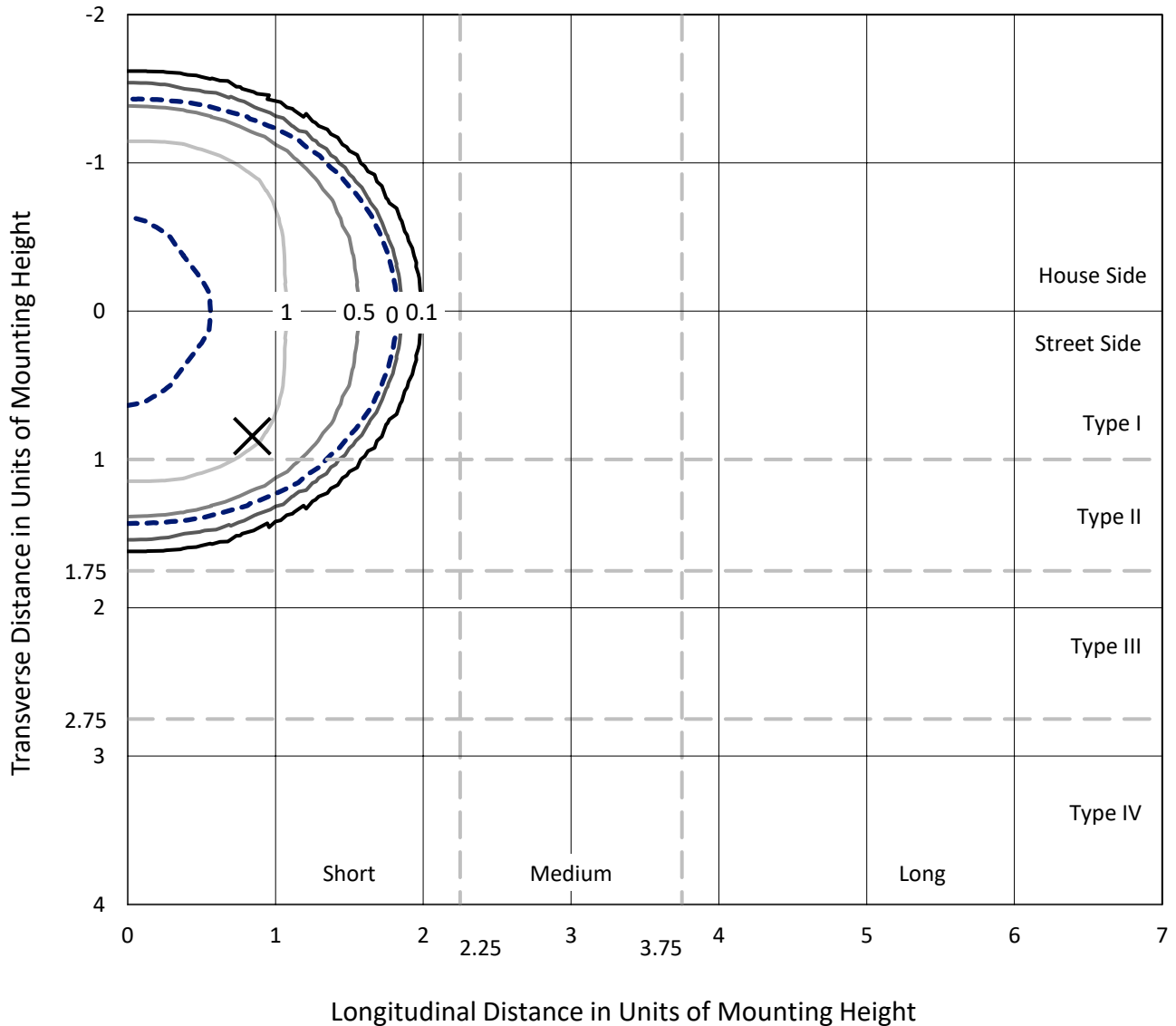
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527007  
 CATALOG NUMBER: GALN-SA2A-730-U-RW-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

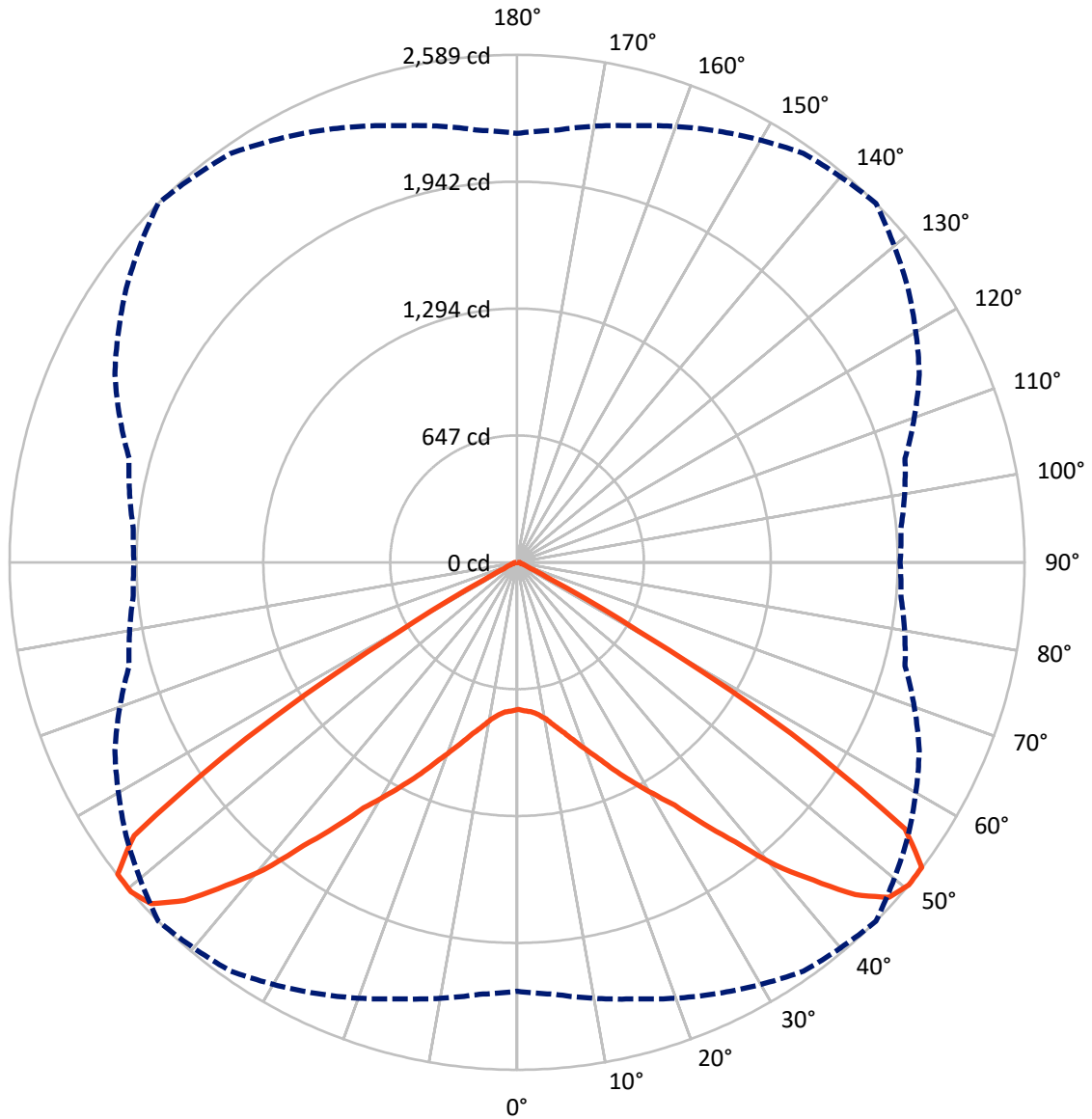
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P527007  
CATALOG NUMBER: GALN-SA2A-730-U-RW-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P527007  
 CATALOG NUMBER: GALN-SA2A-730-U-RW-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2706.0	0.0	2706.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2706.0	0.0	2706.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5412.0	0.0	5412.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.6	1.4
10°-20°	257.3	4.8
20°-30°	525.4	9.7
30°-40°	1002.0	18.5
40°-50°	1688.6	31.2
50°-60°	1610.3	29.8
60°-70°	224.8	4.2
70°-80°	21.5	0.4
80°-90°	7.4	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°	5412.0	100.0
0°-180°	5412.0	100.0

**Coefficient of Utilization**

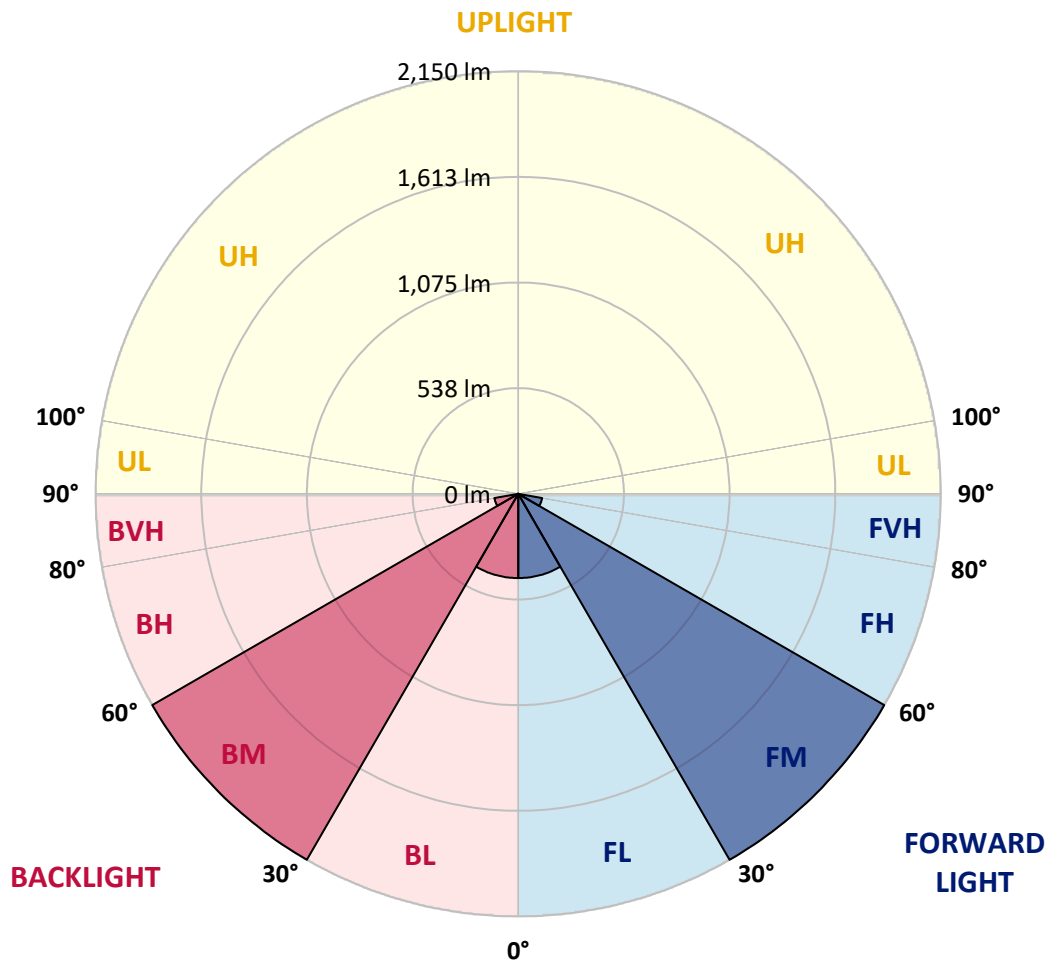


REPORT NUMBER: P527007  
 CATALOG NUMBER: GALN-SA2A-730-U-RW-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.7	7.9			
FM (30°-60°)	2150.5	39.7			
FH (60°-80°)	123.1	2.3			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	428.7	7.9	B1/500		
BM (30°-60°)	2150.5	39.7	B2/2500		
BH (60°-80°)	123.1	2.3	B1/500		G0/660
BVH (80°-90°)	3.7	0.1			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





REPORT NUMBER: P527007

CATALOG NUMBER: GALN-SA2A-730-U-RW-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3
2.5°	747.6	747.6	746.7	754.0	750.3	758.5	757.6	760.3	763.1	762.2	769.4
5°	741.2	740.3	740.3	748.5	756.7	765.8	774.0	779.5	788.6	788.6	797.7
7.5°	747.6	743.0	749.4	753.0	768.5	784.0	797.7	808.6	829.5	836.8	834.1
10°	749.4	754.9	759.4	770.3	789.5	813.1	825.0	852.3	876.0	892.4	896.0
12.5°	761.2	769.4	782.2	808.6	825.9	856.9	873.2	899.6	932.4	950.6	963.4
15°	784.0	786.7	803.1	836.8	874.2	902.4	927.9	947.0	978.9	999.8	1000.7
17.5°	813.1	825.0	847.7	879.6	918.8	960.7	980.7	1001.6	1013.5	1041.7	1048.1
20°	871.4	873.2	895.1	937.0	986.2	1024.4	1039.0	1049.9	1045.3	1074.5	1079.9
22.5°	926.1	927.9	955.2	1011.6	1064.5	1097.2	1103.6	1097.2	1083.6	1104.5	1106.3
25°	981.6	998.0	1018.0	1074.5	1140.0	1183.7	1184.7	1167.4	1139.1	1142.8	1151.9
27.5°	1068.1	1079.9	1100.9	1152.8	1224.7	1273.9	1265.7	1244.8	1208.3	1211.1	1208.3
30°	1169.2	1180.1	1197.4	1263.9	1316.7	1370.4	1382.3	1362.2	1307.6	1295.7	1309.4
32.5°	1291.2	1306.7	1338.5	1399.6	1444.2	1477.0	1485.1	1477.9	1426.9	1422.3	1431.4
35°	1439.6	1460.6	1489.7	1543.4	1579.8	1639.0	1639.0	1614.5	1568.0	1573.5	1572.6
37.5°	1596.2	1627.2	1672.7	1727.4	1776.5	1808.4	1798.4	1777.4	1731.0	1719.2	1731.0
40°	1792.9	1808.4	1865.8	1936.8	1996.9	2033.3	1990.5	1945.0	1833.9	1851.2	1883.1
42.5°	1972.3	1996.9	2040.6	2118.9	2187.2	2217.3	2166.3	2076.1	1942.3	1928.6	1952.3
45°	2125.3	2151.7	2209.1	2321.1	2393.0	2419.4	2306.5	2160.8	2007.8	1973.2	1983.2
47.5°	2227.3	2240.9	2321.1	2427.6	2493.2	2553.3	2391.2	2219.1	2038.8	1973.2	1969.6
50°	2188.1	2211.8	2305.6	2426.7	2546.0	2588.8	2434.0	2263.7	2048.8	1965.0	1954.1
52.5°	1943.2	1984.1	2088.9	2251.9	2432.1	2585.1	2493.2	2249.1	2045.2	1973.2	1989.6
55°	1352.2	1353.1	1480.6	1721.0	2039.7	2400.3	2406.7	2265.5	2068.8	2024.2	2025.1
57.5°	543.6	570.9	668.4	909.7	1203.8	1648.1	1959.6	2101.6	2071.6	2060.6	2088.9
60°	137.5	138.4	168.5	256.8	423.4	706.6	1026.2	1388.6	1599.0	1670.9	1680.9
62.5°	70.1	71.0	78.3	91.1	115.6	189.4	336.9	534.5	760.3	875.1	905.1
65°	57.4	57.4	61.9	68.3	69.2	72.8	87.4	124.7	181.2	205.8	208.5
67.5°	43.7	43.7	47.3	51.0	52.8	51.9	50.1	51.9	62.8	60.1	58.3
70°	27.3	28.2	30.0	33.7	35.5	36.4	37.3	39.2	44.6	46.4	44.6
72.5°	16.4	16.4	17.3	20.0	22.8	24.6	27.3	29.1	31.9	36.4	35.5
75°	7.3	7.3	9.1	11.8	14.6	17.3	20.0	22.8	24.6	27.3	28.2
77.5°	1.8	2.7	4.6	8.2	10.9	14.6	18.2	20.9	22.8	22.8	21.9
80°	0.9	0.9	3.6	6.4	11.8	15.5	20.0	21.9	24.6	22.8	20.0
82.5°	0.9	0.9	3.6	6.4	10.9	15.5	20.9	23.7	25.5	22.8	19.1
85°	0.0	0.9	2.7	5.5	9.1	10.9	9.1	6.4	3.6	3.6	2.7
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)