

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: P451627

Luminaire Tested: **GALN-SA2C-730-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P451627  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-730-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12853 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

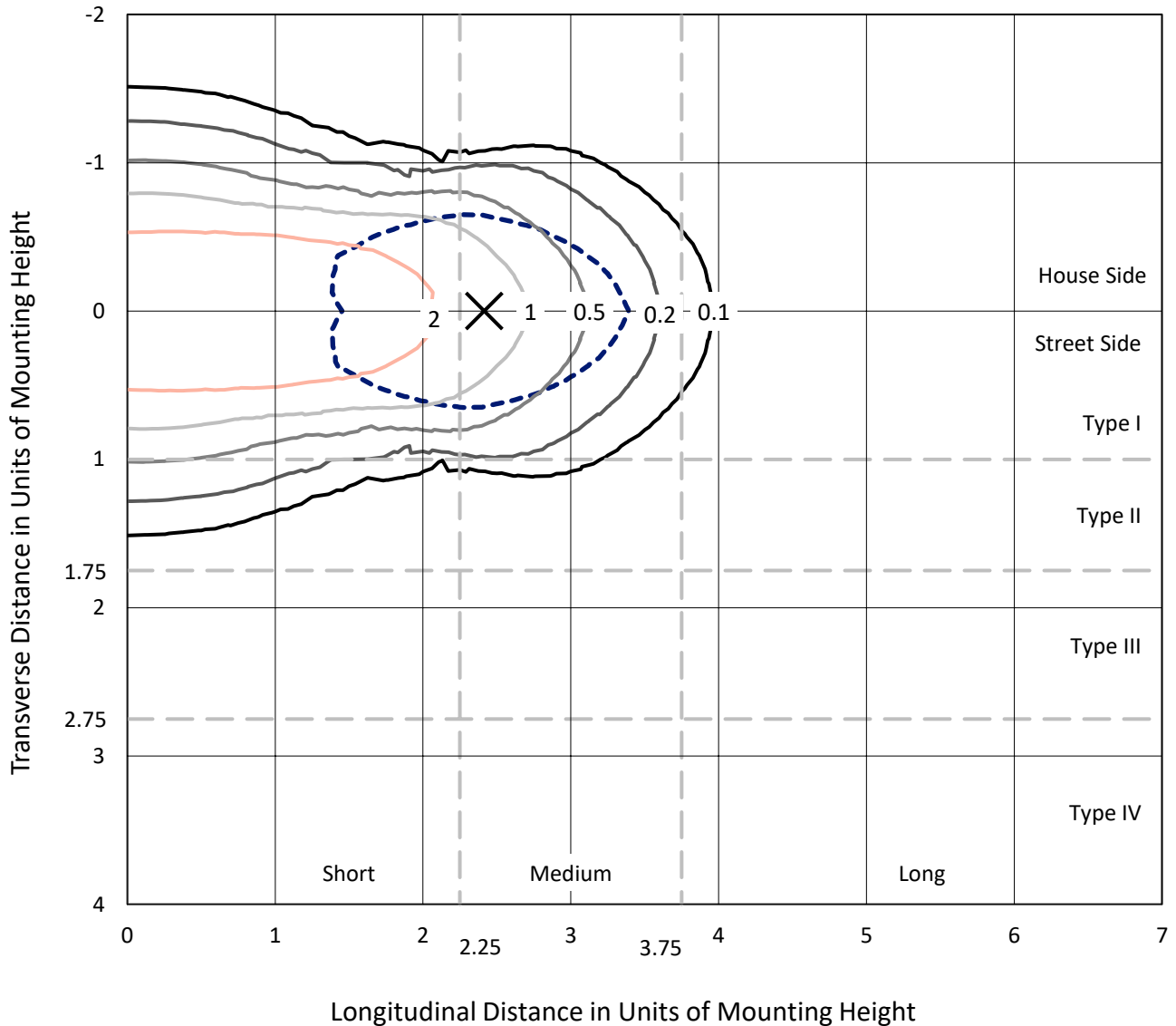
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P451627  
 CATALOG NUMBER: GALN-SA2C-730-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

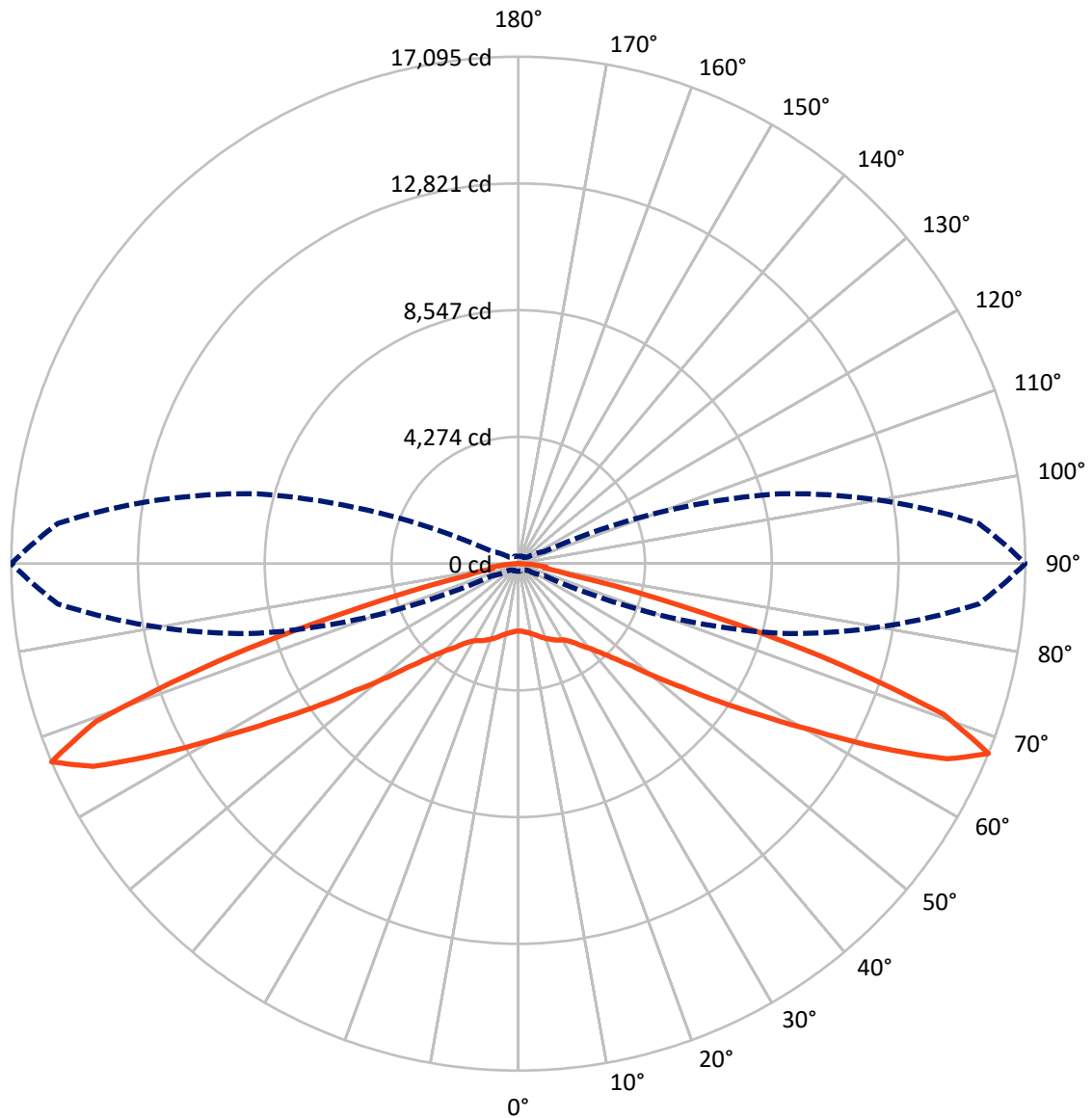
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type I - Short - N/A

REPORT NUMBER: P451627  
CATALOG NUMBER: GALN-SA2C-730-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P451627

CATALOG NUMBER: GALN-SA2C-730-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6426.5	0.0	6426.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6426.5	0.0	6426.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12853.0	0.0	12853.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.9	1.8
10°-20°	725.8	5.6
20°-30°	1214.8	9.5
30°-40°	1645.8	12.8
40°-50°	2084.6	16.2
50°-60°	2604.2	20.3
60°-70°	3061.2	23.8
70°-80°	1171.0	9.1
80°-90°	118.6	0.9
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°	12853.0	100.0
0°-180°	12853.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P451627

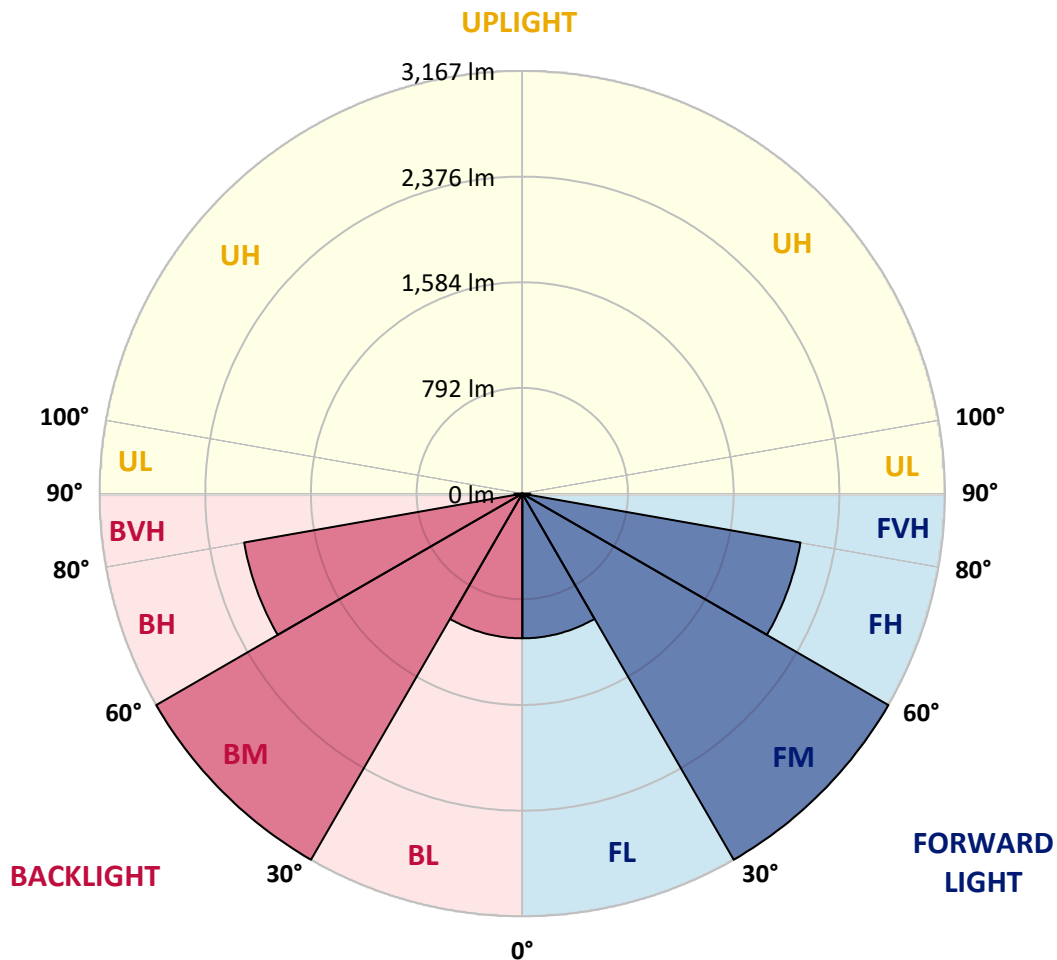
CATALOG NUMBER: GALN-SA2C-730-U-T1

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1083.7	8.4			
FM	(30°-60°)	3167.3	24.6			
FH	(60°-80°)	2116.1	16.5			G2/5000
FVH	(80°-90°)	59.3	0.5			G1/100
BL	(0°-30°)	1083.7	8.4	B3/2500		
BM	(30°-60°)	3167.3	24.6	B3/5000		
BH	(60°-80°)	2116.1	16.5	B3/2500		G3/2500
BVH	(80°-90°)	59.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





REPORT NUMBER: P451627  
 CATALOG NUMBER: GALN-SA2C-730-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4
2.5°	2304.6	2303.1	2303.9	2303.1	2305.3	2303.9	2295.3	2288.2	2282.5	2283.2	2281.1
5°	2353.7	2354.4	2355.1	2351.5	2356.5	2353.7	2340.1	2328.8	2317.4	2313.1	2311.7
7.5°	2394.2	2397.8	2399.9	2403.5	2412.0	2412.0	2404.9	2388.5	2363.6	2349.4	2348.7
10°	2434.8	2437.7	2444.1	2455.4	2469.7	2483.2	2480.4	2458.3	2426.3	2402.1	2396.4
12.5°	2449.0	2452.6	2474.0	2506.7	2538.7	2565.1	2565.1	2547.3	2506.0	2469.0	2458.3
15°	2399.2	2405.6	2444.1	2513.8	2597.8	2655.4	2668.3	2643.3	2599.2	2542.3	2529.5
17.5°	2300.3	2315.9	2372.2	2475.4	2614.9	2734.4	2771.5	2759.4	2702.4	2629.8	2614.9
20°	2194.2	2211.3	2271.1	2407.8	2600.6	2780.7	2888.2	2891.0	2820.6	2715.2	2693.2
22.5°	2077.5	2090.3	2167.2	2327.3	2557.9	2791.4	2988.5	3037.6	2942.3	2800.6	2769.3
25°	1946.6	1960.8	2041.2	2214.2	2477.5	2779.3	3080.3	3188.5	3069.7	2891.7	2851.9
27.5°	1821.3	1827.0	1913.1	2088.9	2371.5	2748.0	3148.0	3327.3	3210.6	2967.2	2916.6
30°	1701.0	1714.5	1790.7	1964.4	2249.8	2686.8	3206.3	3485.3	3362.2	3046.2	2981.4
32.5°	1573.6	1590.0	1672.6	1848.3	2128.1	2594.9	3241.9	3658.3	3573.6	3174.3	3105.3
35°	1451.2	1461.9	1545.2	1716.0	2009.2	2488.2	3248.3	3853.3	3846.2	3368.6	3276.8
37.5°	1325.9	1341.6	1425.6	1589.3	1883.2	2375.0	3216.3	4060.4	4175.0	3638.3	3539.4
40°	1205.7	1219.2	1301.7	1466.9	1740.2	2236.9	3140.1	4249.7	4558.6	3915.9	3775.7
42.5°	1074.7	1078.3	1168.7	1336.6	1600.0	2076.8	3030.5	4418.4	4986.3	4288.1	4113.8
45°	926.0	935.2	1019.2	1184.3	1439.1	1897.5	2881.8	4557.9	5528.7	4804.1	4566.4
47.5°	777.2	785.0	861.9	1024.9	1263.3	1691.8	2652.6	4680.3	6085.2	5459.6	5147.9
50°	632.0	636.3	698.9	843.4	1065.5	1475.4	2368.6	4719.4	6714.4	6387.7	5989.9
52.5°	499.6	506.0	553.7	666.9	854.1	1219.9	2061.9	4622.6	7448.9	7488.0	6927.2
55°	405.0	407.1	442.7	526.0	667.6	952.3	1691.8	4352.9	8238.9	8898.0	8182.7
57.5°	348.7	350.2	370.1	416.4	513.9	718.1	1312.4	3842.6	8948.5	10549.9	9630.3
60°	316.7	317.4	328.8	355.9	407.1	550.9	940.2	3122.3	9648.8	12388.3	11429.6
62.5°	296.8	296.8	304.6	319.6	344.5	422.8	681.1	2252.6	10128.5	14253.7	13647.3
65°	277.6	277.6	283.3	293.9	307.5	345.9	503.2	1469.0	10116.4	15612.4	15877.8
67.5°	255.5	255.5	259.8	270.5	278.3	297.5	388.6	962.3	9087.3	15582.5	17094.9
70°	229.2	229.2	234.9	244.1	250.5	262.6	306.8	658.3	6676.0	13305.0	15203.1
72.5°	202.8	203.6	207.1	216.4	221.3	228.5	254.8	461.2	4095.3	9059.5	10630.3
75°	173.7	175.1	178.6	187.9	192.2	195.0	214.9	328.8	2071.8	4884.6	5561.4
77.5°	140.2	143.1	145.2	155.2	158.0	162.3	177.2	237.7	909.6	1755.1	1770.8
80°	102.5	106.0	112.5	121.7	123.8	126.7	135.2	168.7	412.1	801.4	870.4
82.5°	75.4	80.4	72.6	84.7	84.7	81.1	95.4	113.2	189.3	793.6	949.4
85°	41.3	42.0	37.7	43.4	46.3	45.6	50.5	55.5	91.8	529.5	545.9
87.5°	10.0	10.7	11.4	13.5	16.4	16.4	17.8	15.7	29.9	171.5	98.2
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)