

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: P527472

Luminaire Tested: **GALN-SA2C-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10924 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

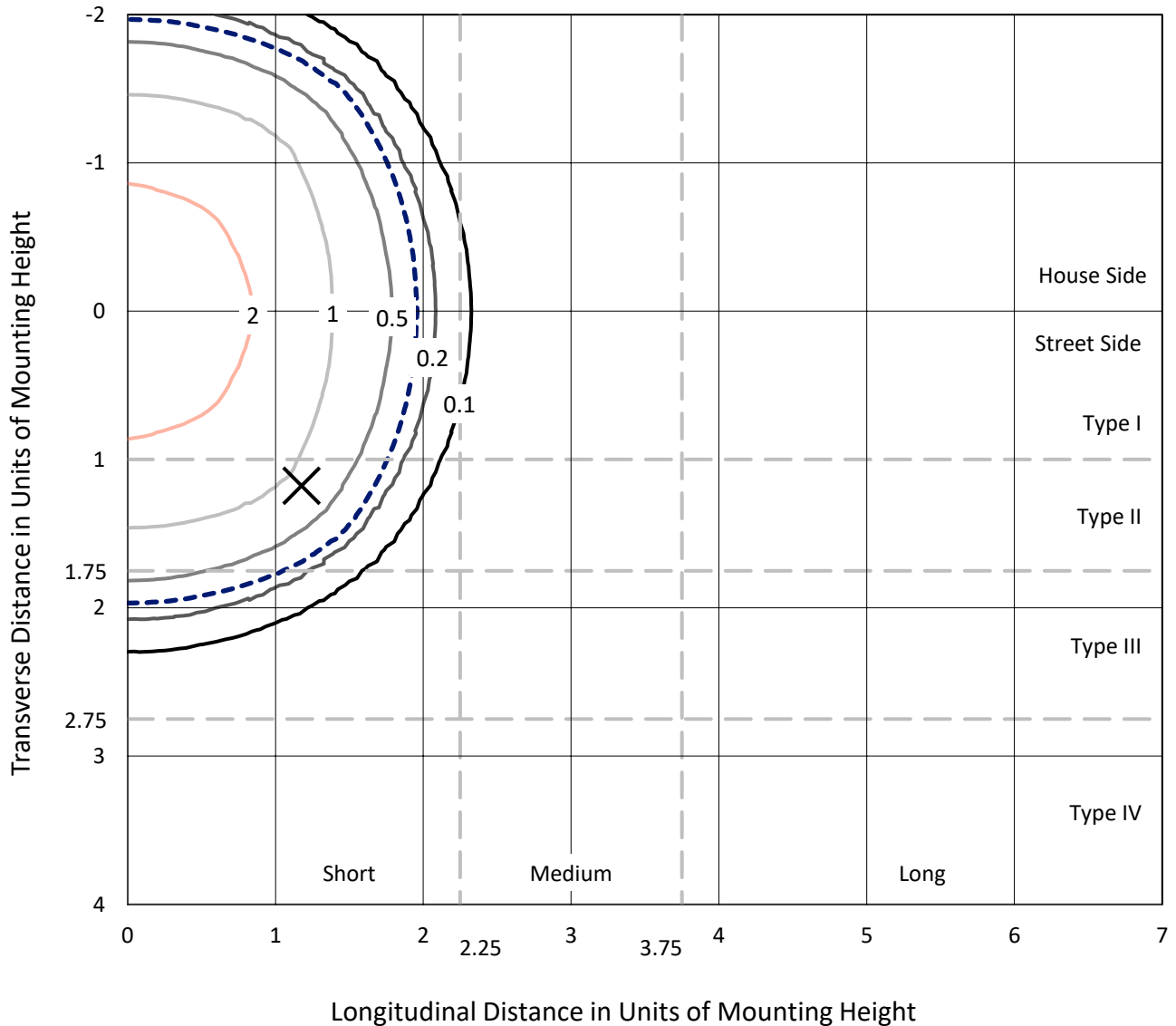
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

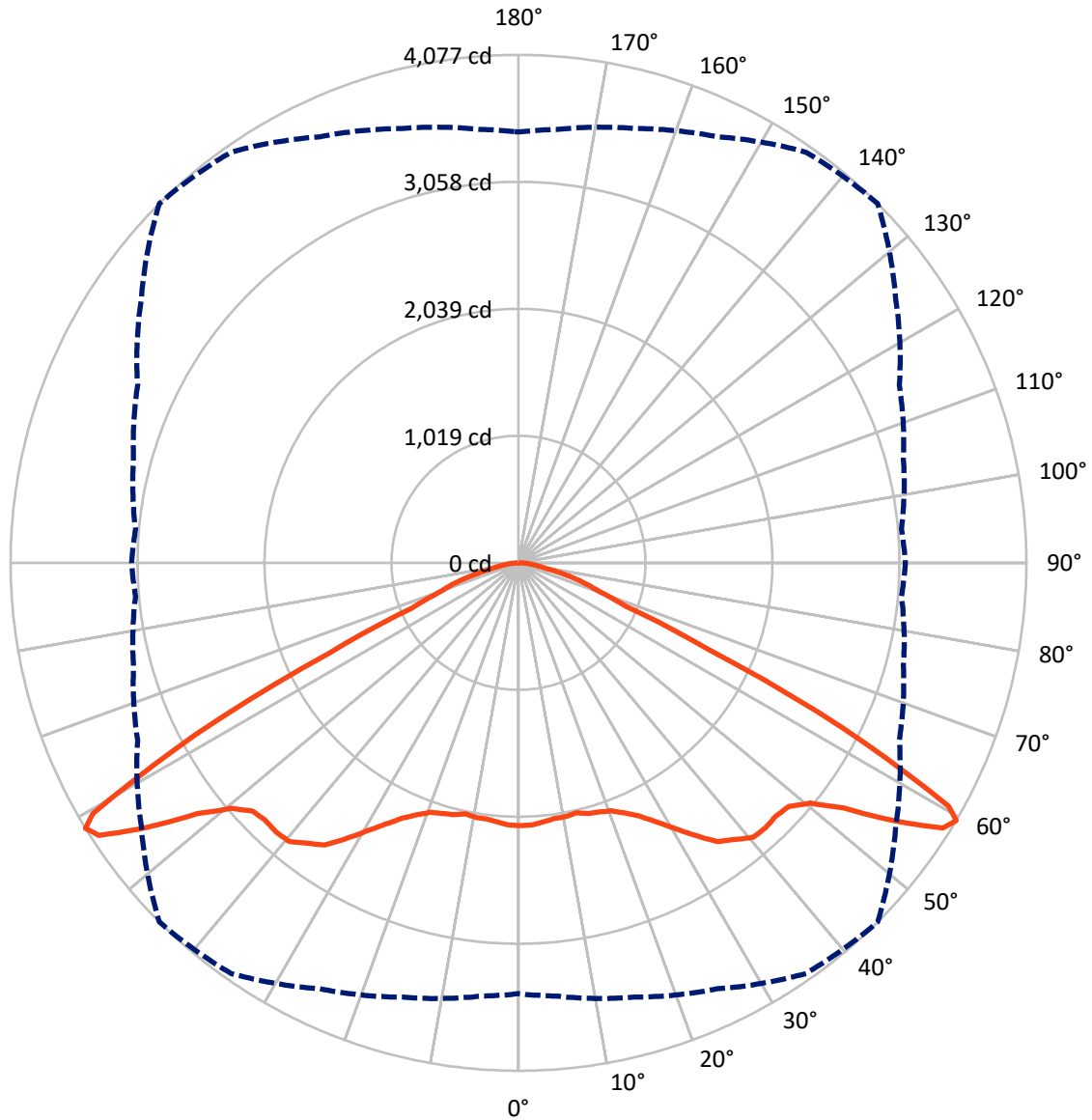
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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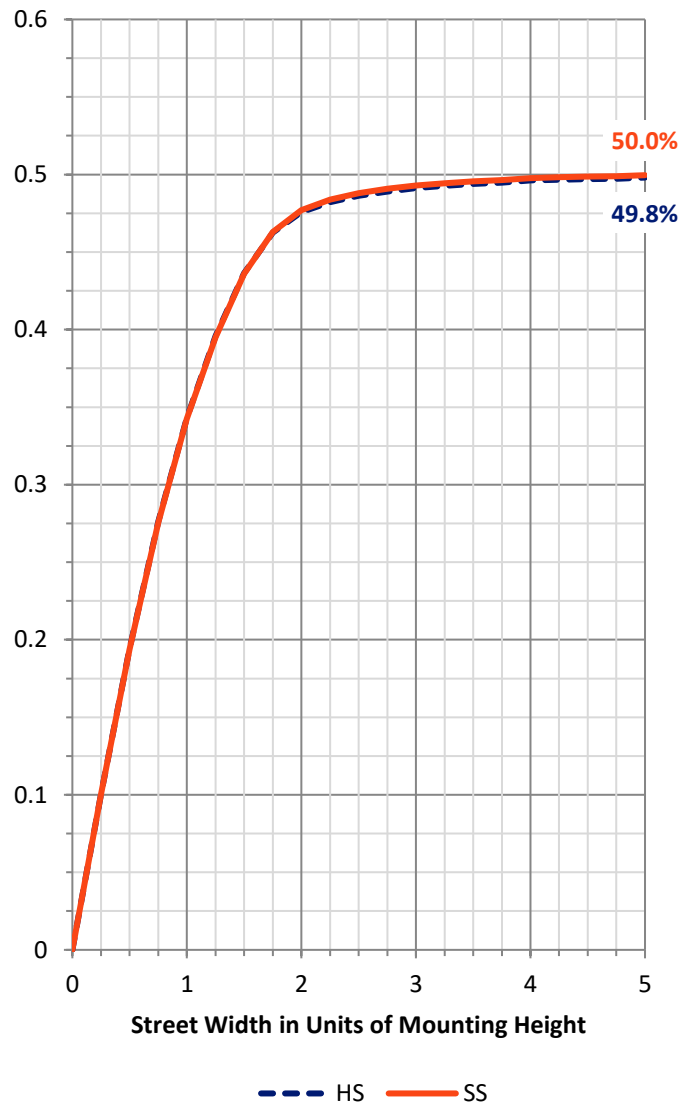
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5462.0	0.0	5462.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5462.0	0.0	5462.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10924.0	0.0	10924.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.9	1.8
10°-20°	591.5	5.4
20°-30°	1032.8	9.5
30°-40°	1649.6	15.1
40°-50°	2247.1	20.6
50°-60°	3038.6	27.8
60°-70°	1666.4	15.3
70°-80°	426.3	3.9
80°-90°	72.7	0.7
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°	10924.0	100.0
0°-180°	10924.0	100.0

**Coefficient of Utilization**

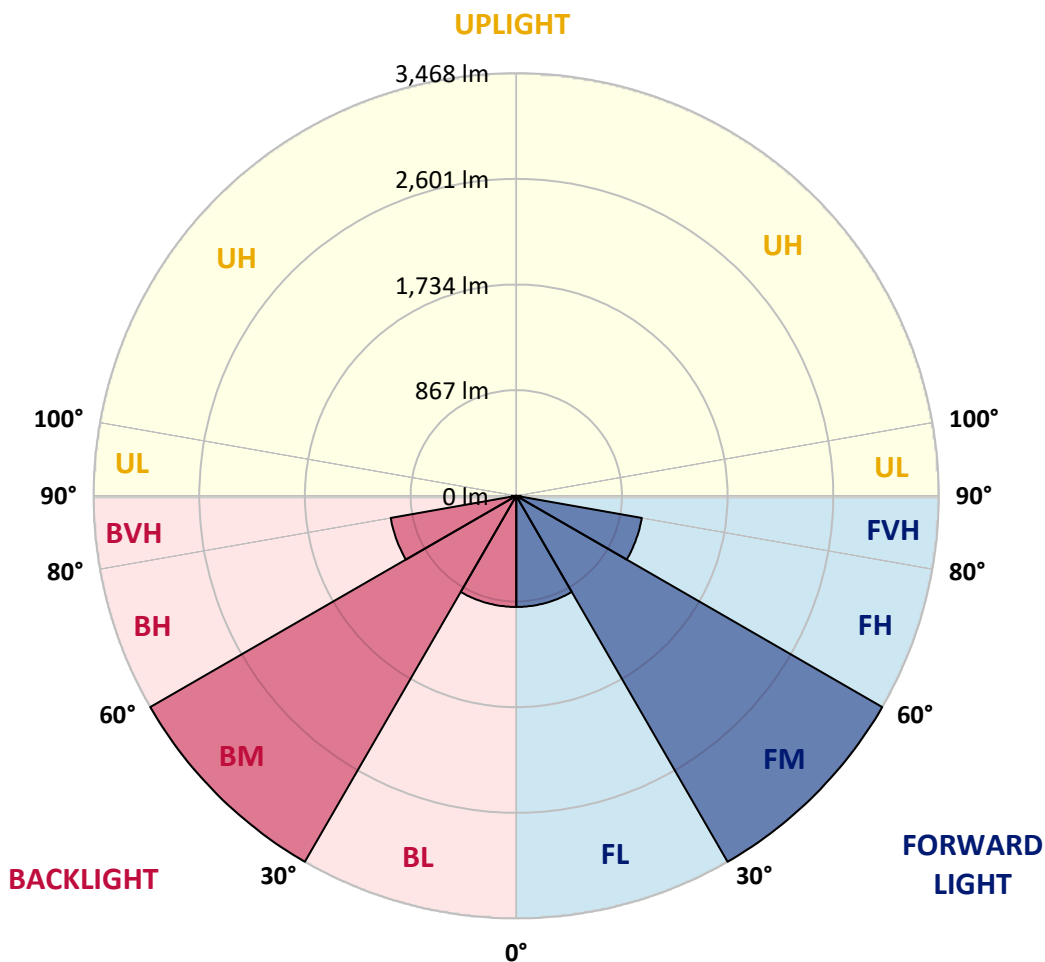


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	911.6	8.3			
FM (30°-60°)	3467.7	31.7			
FH (60°-80°)	1046.4	9.6			G1/1800
FVH (80°-90°)	36.4	0.3			G1/100
BL (0°-30°)	911.6	8.3	B2/1000		
BM (30°-60°)	3467.7	31.7	B3/5000		
BH (60°-80°)	1046.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	36.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0	2110.0
2.5°	2097.4	2112.8	2101.6	2111.4	2110.0	2105.8	2098.8	2094.6	2089.0	2097.4	2083.4
5°	2089.0	2101.6	2114.2	2097.4	2097.4	2089.0	2084.8	2076.4	2076.4	2075.0	2073.6
7.5°	2103.0	2090.4	2084.8	2087.6	2090.4	2072.2	2084.8	2068.0	2054.0	2063.8	2075.0
10°	2090.4	2096.0	2075.0	2084.8	2069.4	2072.2	2063.8	2075.0	2059.6	2059.6	2059.6
12.5°	2103.0	2087.6	2094.6	2087.6	2083.4	2059.6	2070.8	2058.2	2056.8	2070.8	2058.2
15°	2128.2	2103.0	2097.4	2083.4	2087.6	2087.6	2076.4	2077.8	2062.4	2070.8	2073.6
17.5°	2119.8	2105.8	2101.6	2084.8	2098.8	2103.0	2082.0	2068.0	2077.8	2076.4	2075.0
20°	2126.8	2132.4	2128.2	2131.0	2136.6	2125.4	2105.8	2086.2	2073.6	2091.8	2090.4
22.5°	2171.6	2166.0	2163.2	2160.4	2170.2	2181.4	2154.8	2124.0	2124.0	2136.6	2142.2
25°	2208.0	2206.6	2205.2	2217.8	2251.4	2251.4	2217.8	2178.6	2168.8	2177.2	2170.2
27.5°	2261.2	2276.6	2271.0	2293.4	2342.4	2353.6	2308.8	2262.6	2236.0	2226.2	2238.8
30°	2383.0	2364.8	2369.0	2392.8	2436.2	2472.6	2404.0	2355.0	2318.6	2317.2	2322.8
32.5°	2464.2	2478.2	2490.8	2513.2	2581.8	2609.8	2527.2	2447.4	2425.0	2412.4	2416.6
35°	2626.6	2614.0	2611.2	2633.6	2702.2	2748.5	2644.8	2574.8	2545.4	2573.4	2573.4
37.5°	2780.7	2745.7	2719.1	2748.5	2811.5	2817.1	2728.9	2691.0	2675.6	2707.8	2706.4
40°	2853.5	2850.7	2789.1	2805.9	2889.9	2898.3	2815.7	2770.9	2768.1	2810.1	2852.1
42.5°	2929.1	2902.5	2840.9	2852.1	2903.9	2906.7	2828.3	2815.7	2846.5	2887.1	2889.9
45°	2941.7	2919.3	2880.1	2852.1	2889.9	2898.3	2852.1	2860.5	2863.3	2912.3	2912.3
47.5°	2966.9	2964.1	2941.7	2920.7	2927.7	2920.7	2891.3	2903.9	2945.9	2969.7	2958.5
50°	3036.9	3007.5	3029.9	3011.7	3013.1	3032.7	3006.1	3018.7	3010.3	2989.3	2975.3
52.5°	3190.9	3176.9	3196.5	3209.1	3223.1	3267.9	3237.1	3169.9	3106.9	3050.9	3049.5
55°	3416.3	3426.1	3463.9	3528.3	3582.9	3654.3	3505.9	3344.9	3244.1	3155.9	3161.5
57.5°	3629.1	3622.1	3673.9	3821.0	3980.6	4017.0	3725.7	3496.1	3332.3	3276.3	3252.5
59°	3458.3	3491.9	3609.5	3773.3	4024.0	4077.2	3696.3	3372.9	3199.3	3085.9	3105.5
60°	3189.5	3202.1	3307.1	3535.3	3874.2	3965.2	3498.9	3182.5	2951.5	2885.7	2915.1
62.5°	2254.2	2244.4	2320.0	2506.2	2810.1	2933.3	2601.4	2378.8	2233.2	2160.4	2177.2
65°	1198.5	1243.3	1274.1	1390.3	1551.3	1681.6	1544.3	1447.7	1366.5	1306.3	1304.9
67.5°	809.3	803.7	810.7	837.3	891.9	928.3	925.5	876.5	869.5	858.3	870.9
70°	681.9	679.1	666.5	666.5	677.7	686.1	695.9	701.5	712.7	726.7	725.3
72.5°	553.1	546.1	537.6	533.4	547.5	551.7	564.3	569.9	579.7	578.3	590.9
75°	365.4	365.4	375.2	386.4	390.6	399.0	400.4	417.2	417.2	420.0	408.8
77.5°	204.4	198.8	205.8	217.0	226.8	242.2	257.6	270.2	277.2	274.4	274.4
80°	119.0	119.0	126.0	138.6	151.2	165.2	176.4	186.2	193.2	190.4	184.8
82.5°	74.2	74.2	81.2	93.8	103.6	112.0	127.4	140.0	148.4	145.6	138.6
85°	37.8	37.8	46.2	54.6	67.2	72.8	71.4	65.8	64.4	57.4	57.4
87.5°	9.8	9.8	14.0	15.4	12.6	14.0	14.0	14.0	14.0	14.0	15.4
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)