

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: P527966

Luminaire Tested: **GALN-SA3A-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527966  
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-SA3A-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA 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: 10789 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

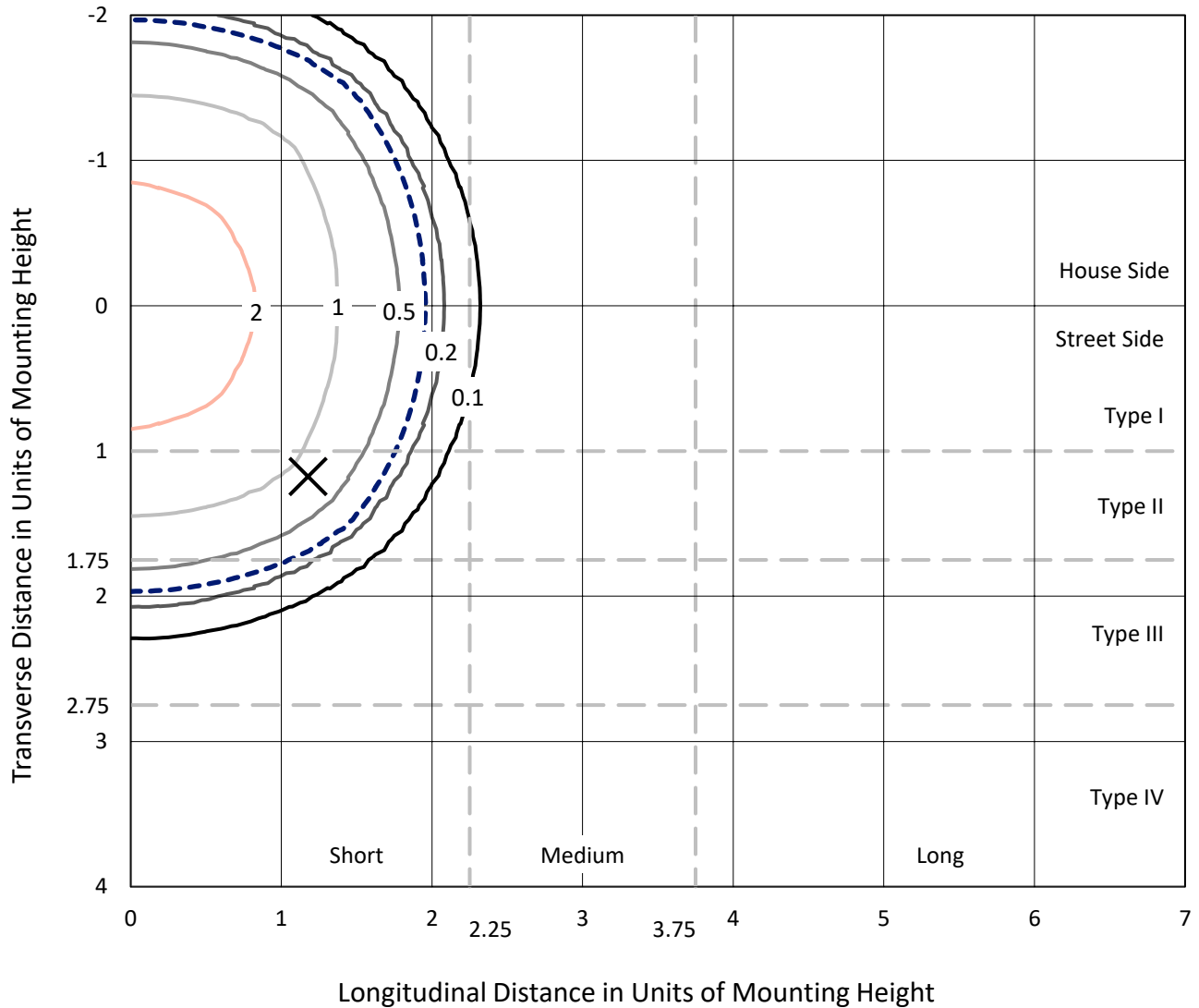
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

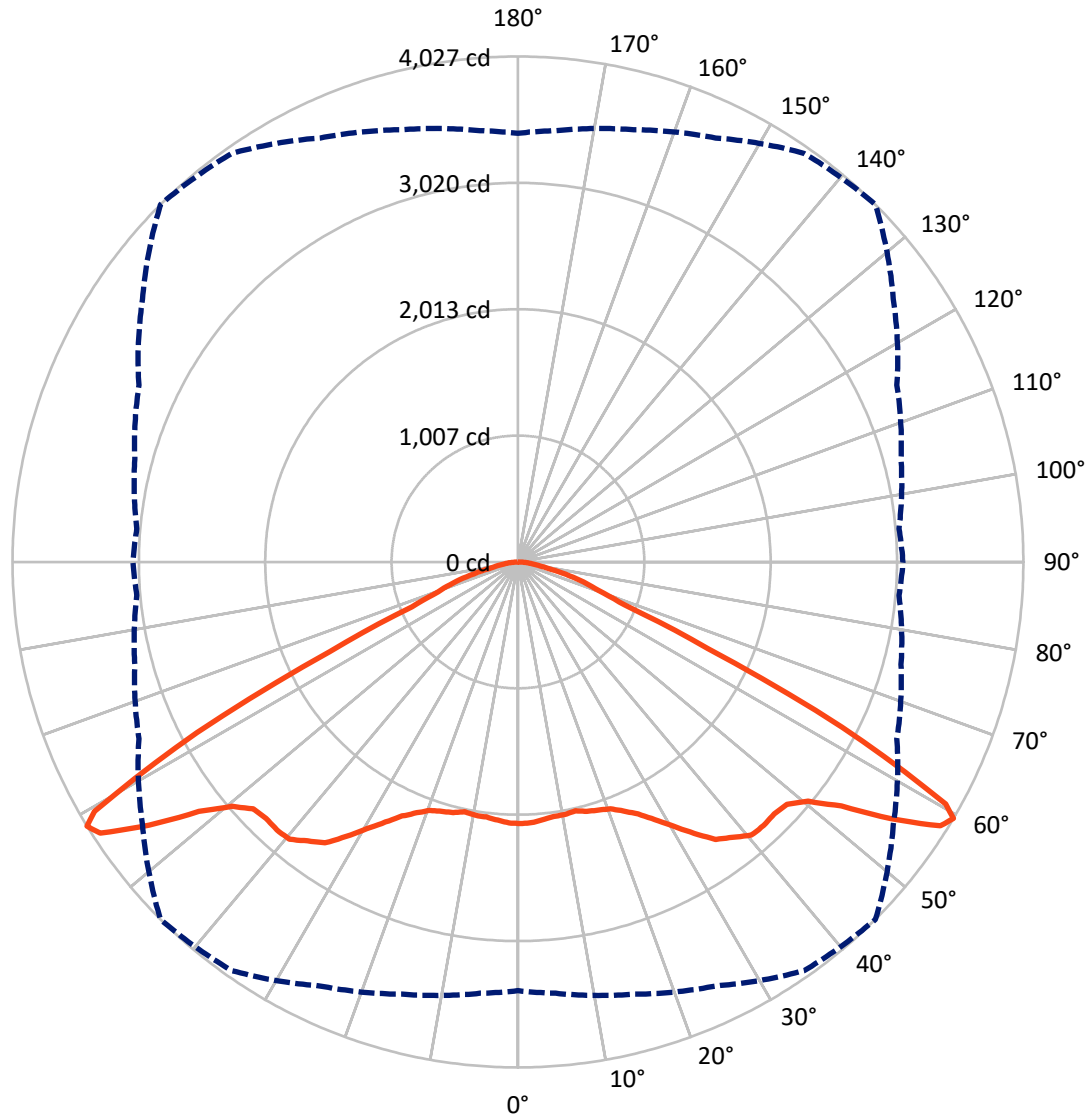
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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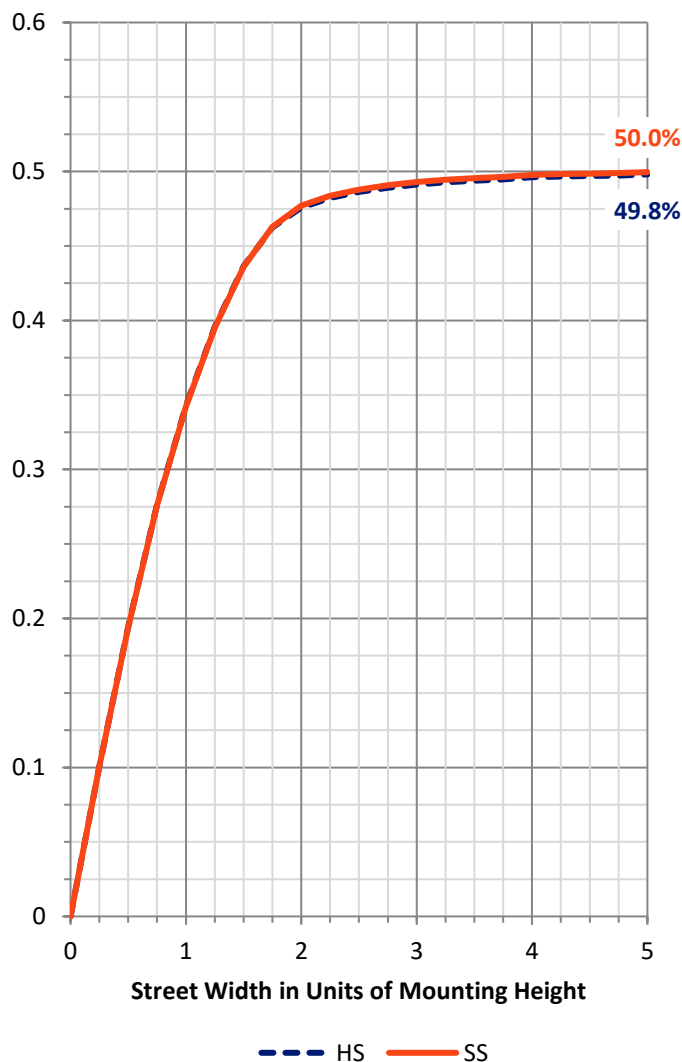
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5394.5	0.0	5394.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5394.5	0.0	5394.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10789.0	0.0	10789.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.4	1.8
10°-20°	584.2	5.4
20°-30°	1020.1	9.5
30°-40°	1629.2	15.1
40°-50°	2219.3	20.6
50°-60°	3001.1	27.8
60°-70°	1645.8	15.3
70°-80°	421.0	3.9
80°-90°	71.8	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°	10789.0	100.0
0°-180°	10789.0	100.0

**Coefficient of Utilization**



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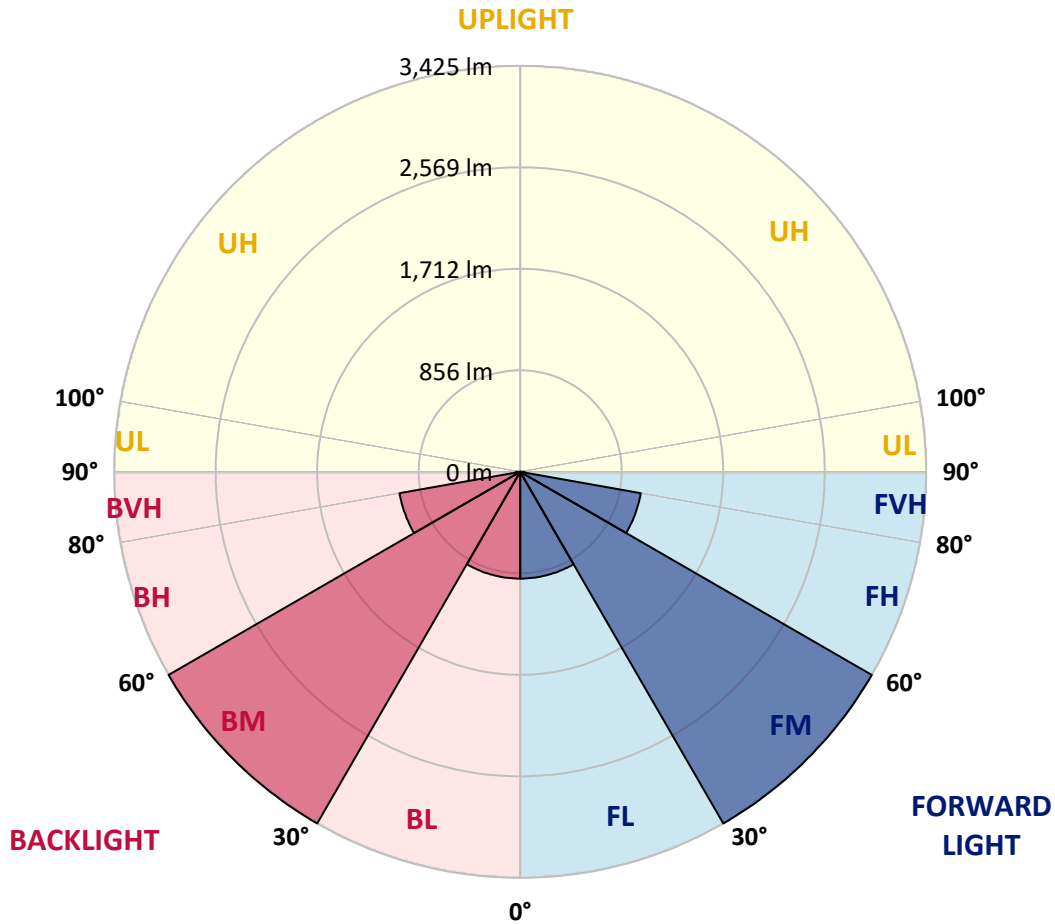
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	900.4	8.3			
FM (30°-60°)	3424.8	31.7			
FH (60°-80°)	1033.4	9.6			G1/1800
FVH (80°-90°)	35.9	0.3			G1/100
BL (0°-30°)	900.4	8.3	B2/1000		
BM (30°-60°)	3424.8	31.7	B3/5000		
BH (60°-80°)	1033.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	35.9	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°	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9	2083.9
2.5°	2071.5	2086.7	2075.6	2085.3	2083.9	2079.8	2072.9	2068.7	2063.2	2071.5	2057.6
5°	2063.2	2075.6	2088.1	2071.5	2071.5	2063.2	2059.0	2050.7	2050.7	2049.3	2048.0
7.5°	2077.0	2064.6	2059.0	2061.8	2064.6	2046.6	2059.0	2042.4	2028.6	2038.3	2049.3
10°	2064.6	2070.1	2049.3	2059.0	2043.8	2046.6	2038.3	2049.3	2034.1	2034.1	2034.1
12.5°	2077.0	2061.8	2068.7	2061.8	2057.6	2034.1	2045.2	2032.8	2031.4	2045.2	2032.8
15°	2101.9	2077.0	2071.5	2057.6	2061.8	2061.8	2050.7	2052.1	2036.9	2045.2	2048.0
17.5°	2093.6	2079.8	2075.6	2059.0	2072.9	2077.0	2056.3	2042.4	2052.1	2050.7	2049.3
20°	2100.5	2106.0	2101.9	2104.7	2110.2	2099.1	2079.8	2060.4	2048.0	2065.9	2064.6
22.5°	2144.8	2139.2	2136.5	2133.7	2143.4	2154.4	2128.2	2097.7	2097.7	2110.2	2115.7
25°	2180.7	2179.3	2178.0	2190.4	2223.6	2223.6	2190.4	2151.7	2142.0	2150.3	2143.4
27.5°	2233.3	2248.5	2242.9	2265.1	2313.5	2324.5	2280.3	2234.6	2208.4	2198.7	2211.1
30°	2353.6	2335.6	2339.7	2363.2	2406.1	2442.1	2374.3	2325.9	2290.0	2288.6	2294.1
32.5°	2433.8	2447.6	2460.0	2482.2	2549.9	2577.6	2496.0	2417.2	2395.1	2382.6	2386.8
35°	2594.2	2581.7	2579.0	2601.1	2668.9	2714.5	2612.2	2543.0	2514.0	2541.6	2541.6
37.5°	2746.3	2711.7	2685.4	2714.5	2776.7	2782.2	2695.1	2657.8	2642.6	2674.4	2673.0
40°	2818.2	2815.4	2754.6	2771.2	2854.2	2862.4	2780.9	2736.6	2733.8	2775.3	2816.8
42.5°	2892.9	2866.6	2805.8	2816.8	2868.0	2870.7	2793.3	2780.9	2811.3	2851.4	2854.2
45°	2905.3	2883.2	2844.5	2816.8	2854.2	2862.4	2816.8	2825.1	2827.9	2876.3	2876.3
47.5°	2930.2	2927.4	2905.3	2884.6	2891.5	2884.6	2855.5	2868.0	2909.5	2933.0	2921.9
50°	2999.3	2970.3	2992.4	2974.5	2975.8	2995.2	2968.9	2981.4	2973.1	2952.3	2938.5
52.5°	3151.5	3137.6	3157.0	3169.4	3183.3	3227.5	3197.1	3130.7	3068.5	3013.2	3011.8
55°	3374.1	3383.8	3421.1	3484.7	3538.7	3609.2	3462.6	3303.6	3204.0	3116.9	3122.4
57.5°	3584.3	3577.4	3628.5	3773.7	3931.4	3967.3	3679.7	3452.9	3291.1	3235.8	3212.3
59°	3415.6	3448.8	3564.9	3726.7	3974.2	4026.8	3650.7	3331.2	3159.8	3047.7	3067.1
60°	3150.1	3162.5	3266.2	3491.6	3826.3	3916.2	3455.7	3143.2	2915.0	2850.0	2879.0
62.5°	2226.3	2216.7	2291.3	2475.3	2775.3	2897.0	2569.3	2349.4	2205.6	2133.7	2150.3
65°	1183.7	1227.9	1258.4	1373.1	1532.2	1660.8	1525.3	1429.8	1349.6	1290.2	1288.8
67.5°	799.3	793.7	800.7	826.9	880.9	916.8	914.0	865.6	858.7	847.7	860.1
70°	673.4	670.7	658.2	658.2	669.3	677.6	687.3	692.8	703.9	717.7	716.3
72.5°	546.2	539.3	531.0	526.9	540.7	544.8	557.3	562.8	572.5	571.1	583.6
75°	360.9	360.9	370.6	381.7	385.8	394.1	395.5	412.1	412.1	414.8	403.8
77.5°	201.9	196.4	203.3	214.3	224.0	239.2	254.4	266.9	273.8	271.0	271.0
80°	117.5	117.5	124.5	136.9	149.3	163.2	174.2	183.9	190.8	188.1	182.5
82.5°	73.3	73.3	80.2	92.6	102.3	110.6	125.8	138.3	146.6	143.8	136.9
85°	37.3	37.3	45.6	53.9	66.4	71.9	70.5	65.0	63.6	56.7	56.7
87.5°	9.7	9.7	13.8	15.2	12.4	13.8	13.8	13.8	13.8	13.8	15.2
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)