

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: P527962

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11225 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

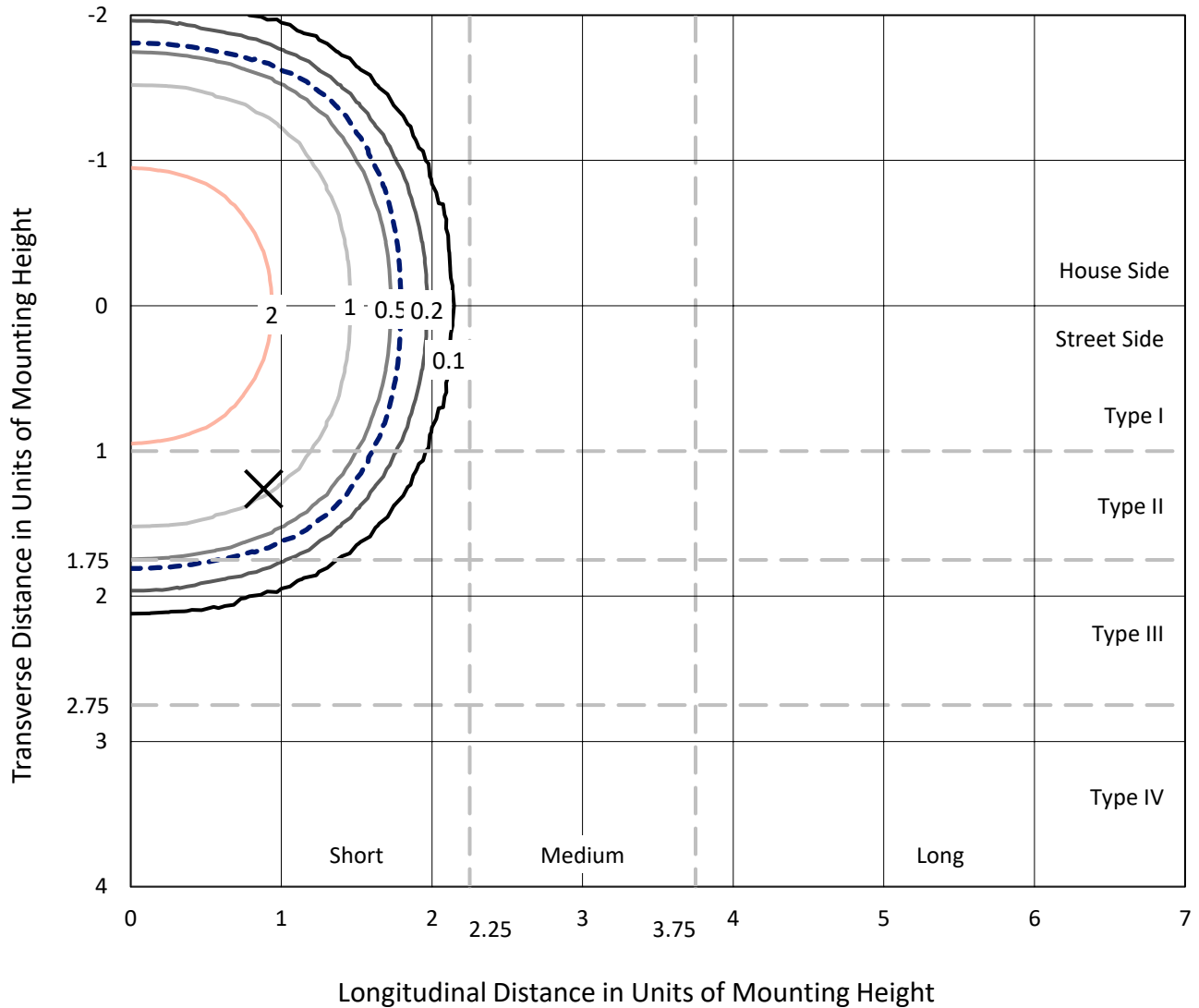
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

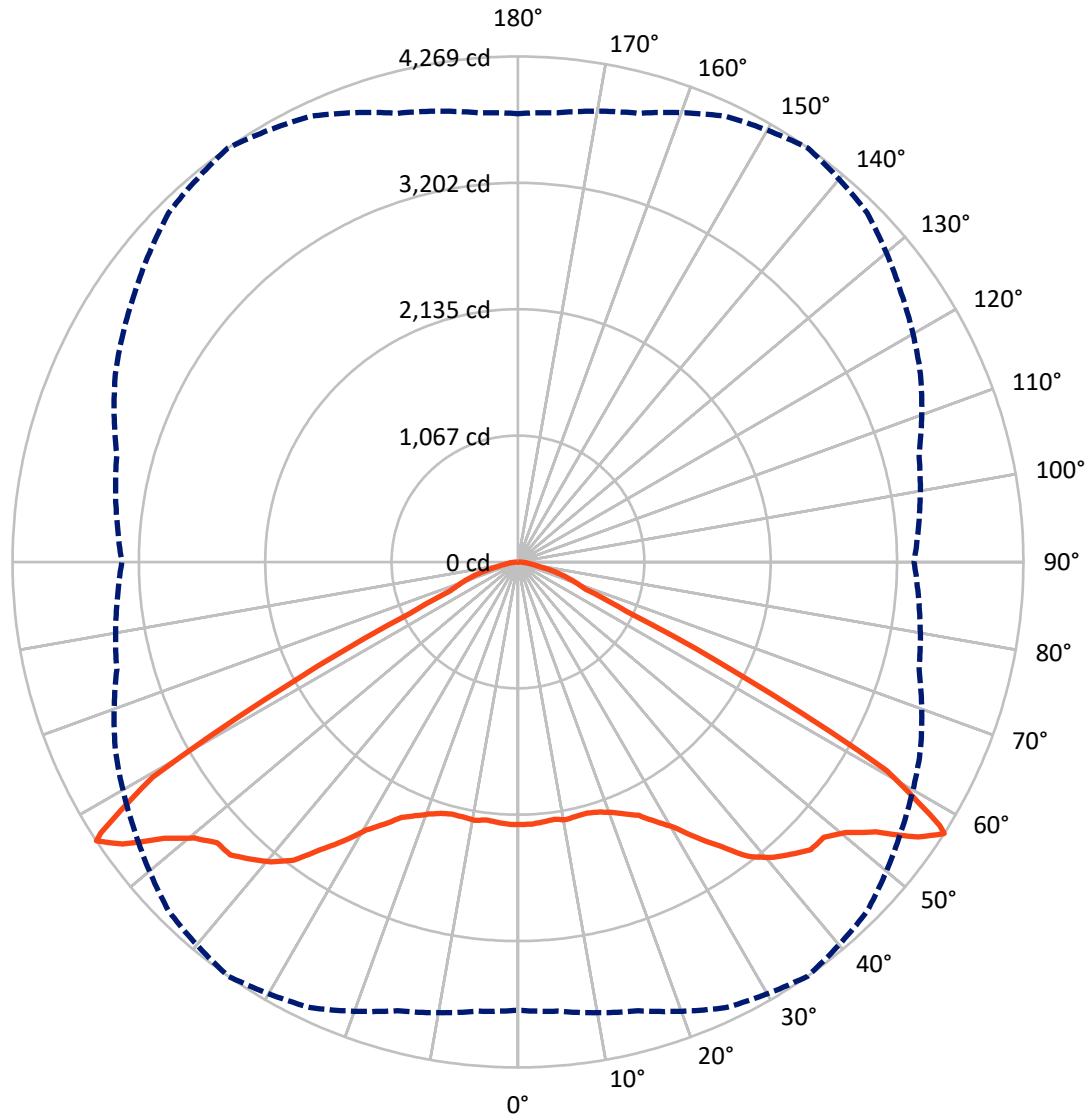
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5612.5	0.0	5612.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5612.5	0.0	5612.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11225.0	0.0	11225.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.2	1.9
10°-20°	622.5	5.5
20°-30°	1087.1	9.7
30°-40°	1781.2	15.9
40°-50°	2611.7	23.3
50°-60°	3289.7	29.3
60°-70°	1237.2	11.0
70°-80°	329.0	2.9
80°-90°	56.4	0.5
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°	11225.0	100.0
0°-180°	11225.0	100.0

**Coefficient of Utilization**



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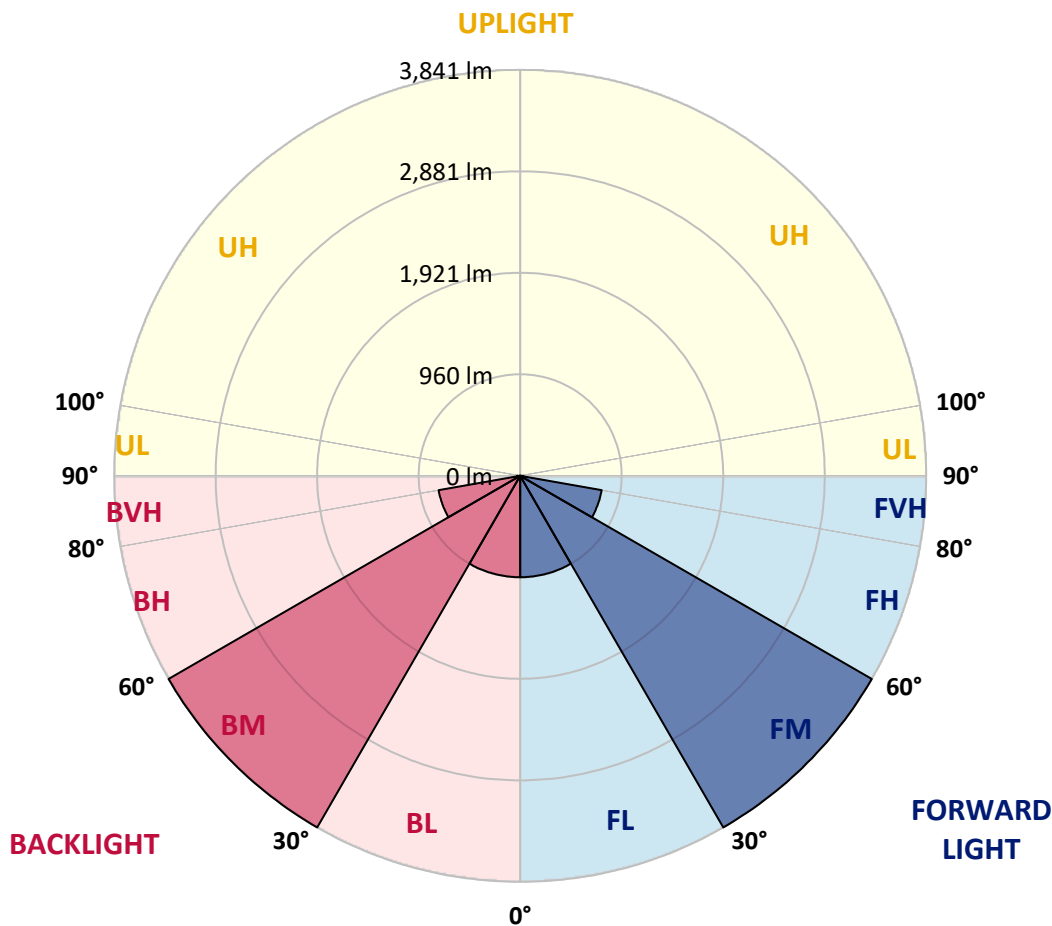
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.9	8.6			
FM (30°-60°)	3841.3	34.2			
FH (60°-80°)	783.1	7.0			G1/1800
FVH (80°-90°)	28.2	0.3			G1/100
BL (0°-30°)	959.9	8.6	B2/1000		
BM (30°-60°)	3841.3	34.2	B3/5000		
BH (60°-80°)	783.1	7.0	B2/1000		G1/1800
BVH (80°-90°)	28.2	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°	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9
2.5°	2205.8	2227.9	2218.2	2212.7	2216.9	2209.9	2198.9	2211.3	2208.6	2197.5	2193.3
5°	2200.3	2216.9	2205.8	2216.9	2205.8	2225.2	2219.6	2198.9	2223.8	2200.3	2208.6
7.5°	2196.1	2201.6	2204.4	2198.9	2194.7	2218.2	2205.8	2196.1	2182.3	2178.1	2185.0
10°	2186.4	2200.3	2179.5	2207.2	2212.7	2196.1	2196.1	2178.1	2167.1	2160.2	2183.7
12.5°	2211.3	2187.8	2185.0	2198.9	2203.0	2209.9	2190.6	2180.9	2160.2	2162.9	2158.8
15°	2182.3	2192.0	2193.3	2196.1	2200.3	2216.9	2198.9	2178.1	2169.8	2140.8	2143.6
17.5°	2193.3	2183.7	2193.3	2225.2	2219.6	2232.1	2212.7	2180.9	2161.5	2144.9	2167.1
20°	2212.7	2208.6	2212.7	2251.4	2258.3	2269.4	2252.8	2223.8	2186.4	2167.1	2178.1
22.5°	2233.5	2230.7	2233.5	2270.8	2310.9	2324.7	2308.1	2240.4	2221.0	2185.0	2172.6
25°	2270.8	2273.6	2302.6	2344.1	2370.4	2396.6	2366.2	2317.8	2255.6	2233.5	2207.2
27.5°	2353.8	2360.7	2377.3	2438.1	2483.8	2507.3	2464.4	2398.0	2359.3	2313.7	2306.7
30°	2456.1	2456.1	2485.1	2537.7	2599.9	2635.9	2583.3	2504.5	2457.5	2432.6	2417.4
32.5°	2591.6	2576.4	2587.5	2680.1	2776.9	2807.4	2736.8	2640.0	2565.4	2532.2	2521.1
35°	2707.8	2717.5	2742.4	2841.9	2949.8	3020.3	2909.7	2783.9	2707.8	2677.4	2671.8
37.5°	2858.5	2875.1	2887.6	3024.5	3154.5	3180.8	3074.3	2973.3	2880.7	2855.8	2841.9
40°	3071.5	3060.4	3064.6	3165.6	3283.1	3299.7	3194.6	3122.7	3046.6	3031.4	3031.4
42.5°	3247.1	3234.7	3248.5	3285.9	3375.8	3363.3	3305.2	3252.7	3220.9	3204.3	3220.9
45°	3353.6	3350.9	3375.8	3403.4	3467.0	3425.5	3379.9	3388.2	3357.8	3330.1	3328.7
47.5°	3469.8	3451.8	3482.2	3523.7	3475.3	3456.0	3453.2	3471.2	3461.5	3413.1	3397.9
50°	3526.5	3519.6	3568.0	3616.4	3590.1	3545.9	3555.5	3584.6	3460.1	3395.1	3357.8
52.5°	3678.6	3680.0	3772.7	3798.9	3787.9	3722.9	3743.6	3664.8	3518.2	3426.9	3431.1
55°	3917.9	3908.2	4011.9	4089.4	4101.8	4018.8	3919.3	3808.6	3624.7	3532.0	3504.4
57°	3786.5	3808.6	3923.4	4153.0	4269.1	4171.0	3953.8	3751.9	3507.1	3395.1	3345.3
57.5°	3610.9	3646.8	3846.0	4076.9	4198.6	4190.3	3911.0	3646.8	3428.3	3254.1	3258.2
60°	2645.6	2652.5	2832.3	3198.7	3579.1	3587.3	3247.1	2897.3	2653.9	2464.4	2490.7
62.5°	1395.4	1427.2	1499.1	1793.7	2122.8	2203.0	1997.0	1817.2	1607.0	1463.2	1477.0
65°	738.5	734.3	768.9	851.9	1013.7	1055.2	1027.5	885.1	811.8	788.3	789.7
67.5°	600.2	607.1	603.0	607.1	618.2	636.2	632.0	637.5	641.7	648.6	647.2
70°	508.9	508.9	511.7	513.1	513.1	521.4	531.0	549.0	550.4	557.3	560.1
72.5°	401.1	398.3	402.4	412.1	413.5	420.4	434.2	445.3	449.5	449.5	441.2
75°	272.4	275.2	280.7	289.0	297.3	309.8	320.8	327.8	330.5	326.4	322.2
77.5°	153.5	156.3	160.4	172.9	182.5	193.6	206.1	213.0	219.9	221.3	213.0
80°	91.3	91.3	98.2	107.9	118.9	130.0	141.1	149.4	152.1	152.1	148.0
82.5°	55.3	56.7	62.2	71.9	81.6	88.5	98.2	105.1	110.6	109.3	106.5
85°	29.0	29.0	34.6	42.9	49.8	56.7	56.7	52.6	49.8	42.9	40.1
87.5°	9.7	8.3	11.1	11.1	9.7	11.1	11.1	12.4	12.4	12.4	12.4
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)