

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: P528300

Luminaire Tested: **GALN-SA3B-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528300  
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-SA3B-827-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 800mA 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: 11022 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

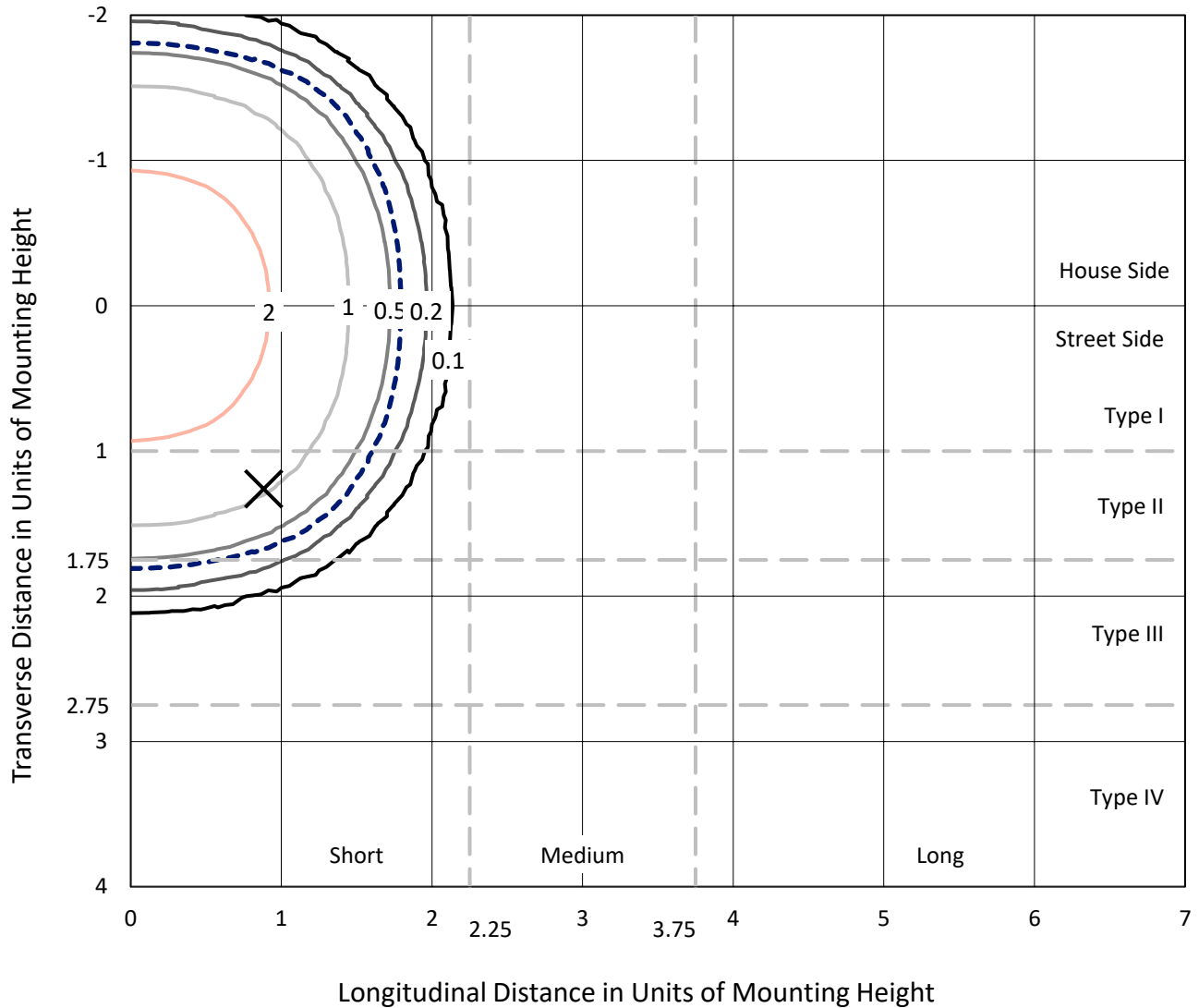
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

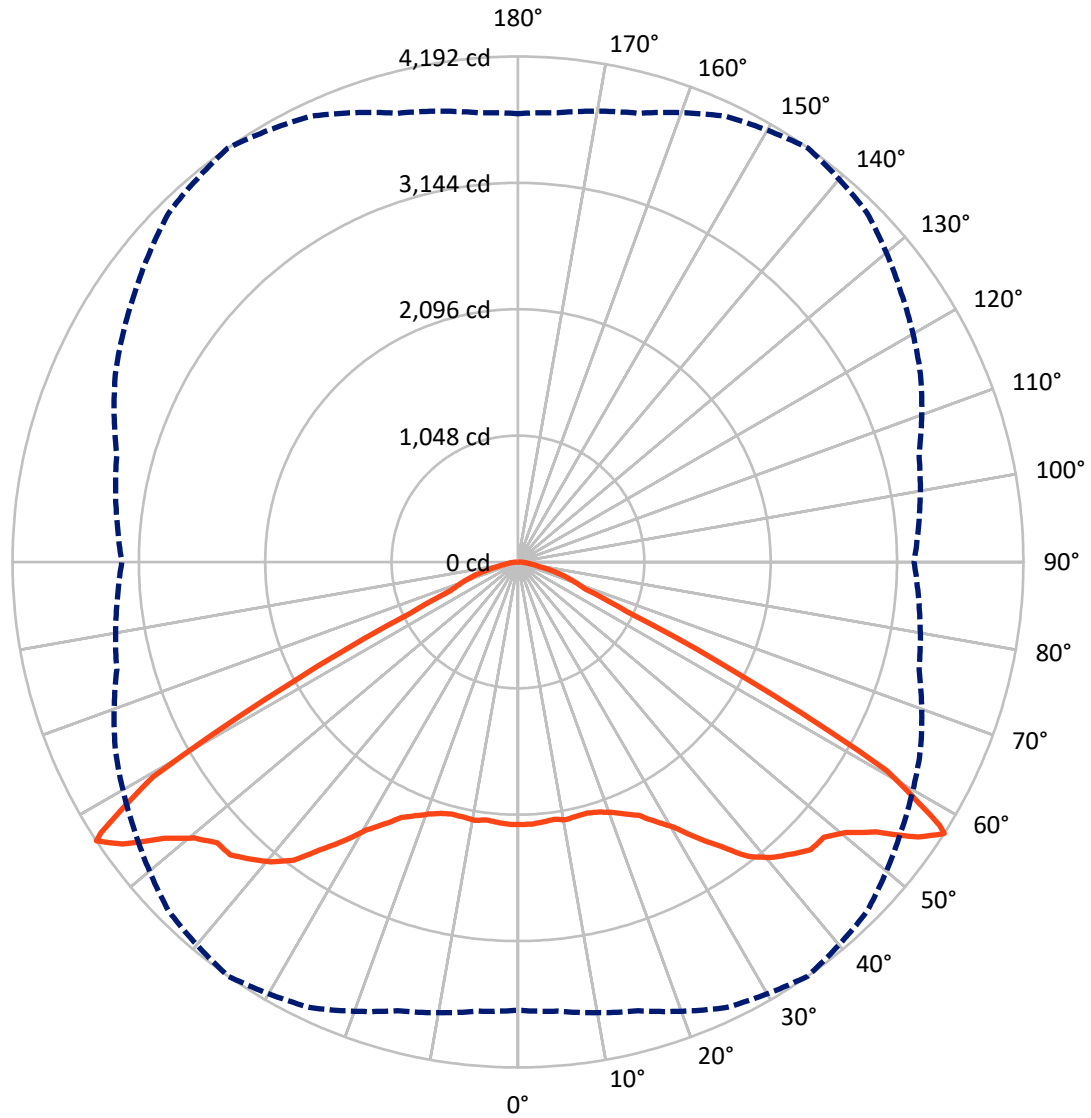
× Max cd  
 - - - 1/2 Max cd



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	5511.0	0.0	5511.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5511.0	0.0	5511.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11022.0	0.0	11022.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.4	1.9
10°-20°	611.2	5.5
20°-30°	1067.4	9.7
30°-40°	1749.0	15.9
40°-50°	2564.5	23.3
50°-60°	3230.2	29.3
60°-70°	1214.8	11.0
70°-80°	323.0	2.9
80°-90°	55.4	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°	11022.0	100.0
0°-180°	11022.0	100.0

**Coefficient of Utilization**

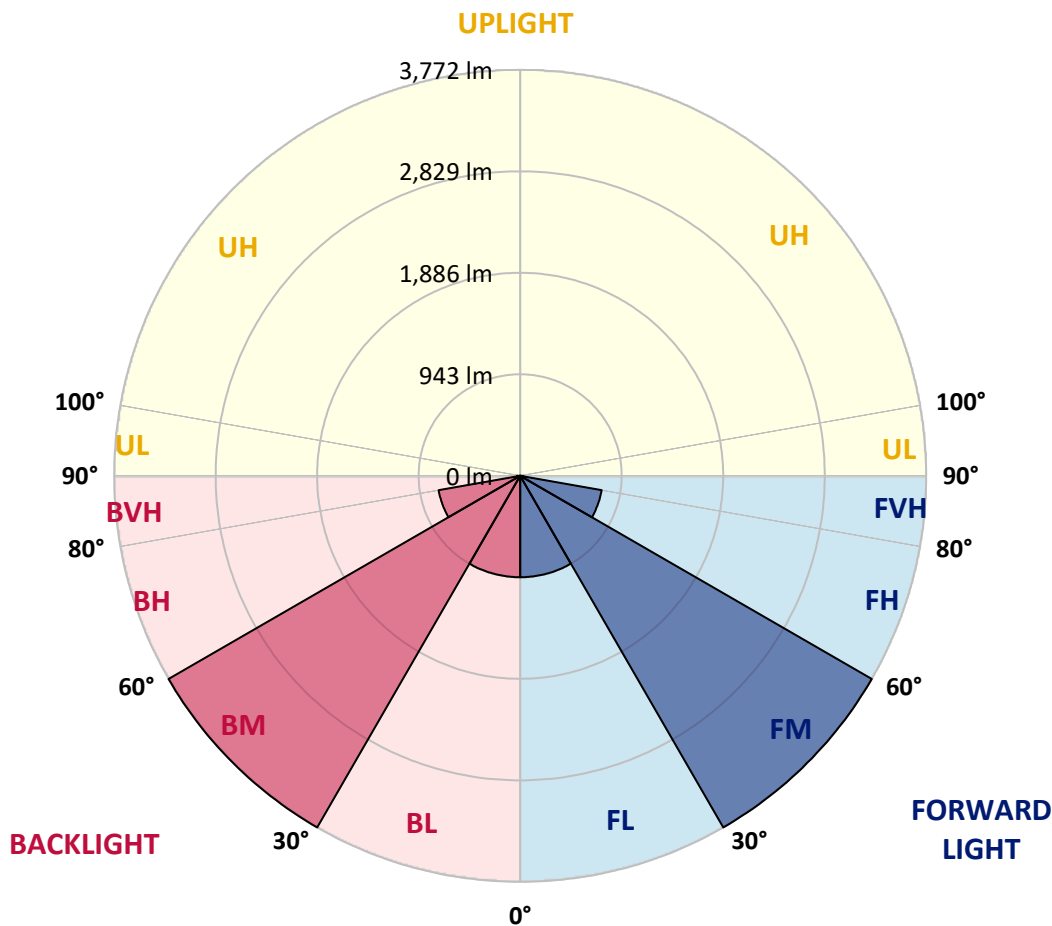


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.5	8.6			
FM (30°-60°)	3771.9	34.2			
FH (60°-80°)	768.9	7.0			G1/1800
FVH (80°-90°)	27.7	0.3			G1/100
BL (0°-30°)	942.5	8.6	B2/1000		
BM (30°-60°)	3771.9	34.2	B3/5000		
BH (60°-80°)	768.9	7.0	B2/1000		G1/1800
BVH (80°-90°)	27.7	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°	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8	2176.8
2.5°	2165.9	2187.6	2178.1	2172.7	2176.8	2170.0	2159.1	2171.3	2168.6	2157.8	2153.7
5°	2160.5	2176.8	2165.9	2176.8	2165.9	2184.9	2179.5	2159.1	2183.6	2160.5	2168.6
7.5°	2156.4	2161.8	2164.5	2159.1	2155.0	2178.1	2165.9	2156.4	2142.8	2138.7	2145.5
10°	2146.9	2160.5	2140.1	2167.3	2172.7	2156.4	2156.4	2138.7	2127.9	2121.1	2144.2
12.5°	2171.3	2148.2	2145.5	2159.1	2163.2	2170.0	2151.0	2141.5	2121.1	2123.8	2119.7
15°	2142.8	2152.3	2153.7	2156.4	2160.5	2176.8	2159.1	2138.7	2130.6	2102.1	2104.8
17.5°	2153.7	2144.2	2153.7	2184.9	2179.5	2191.7	2172.7	2141.5	2122.4	2106.2	2127.9
20°	2172.7	2168.6	2172.7	2210.7	2217.5	2228.4	2212.1	2183.6	2146.9	2127.9	2138.7
22.5°	2193.1	2190.3	2193.1	2229.7	2269.1	2282.7	2266.4	2199.8	2180.8	2145.5	2133.3
25°	2229.7	2232.4	2261.0	2301.7	2327.5	2353.3	2323.4	2275.9	2214.8	2193.1	2167.3
27.5°	2311.2	2318.0	2334.3	2394.0	2438.8	2461.9	2419.8	2354.7	2316.6	2271.8	2265.0
30°	2411.7	2411.7	2440.2	2491.8	2552.9	2588.2	2536.6	2459.2	2413.0	2388.6	2373.7
32.5°	2544.8	2529.8	2540.7	2631.7	2726.7	2756.6	2687.3	2592.3	2519.0	2486.4	2475.5
35°	2658.8	2668.3	2692.8	2790.5	2896.5	2965.7	2857.1	2733.5	2658.8	2629.0	2623.5
37.5°	2806.8	2823.1	2835.4	2969.8	3097.4	3123.2	3018.7	2919.6	2828.6	2804.1	2790.5
40°	3016.0	3005.1	3009.2	3108.3	3223.7	3240.0	3136.8	3066.2	2991.5	2976.6	2976.6
42.5°	3188.4	3176.2	3189.8	3226.4	3314.7	3302.5	3245.5	3193.9	3162.6	3146.3	3162.6
45°	3293.0	3290.3	3314.7	3341.9	3404.3	3363.6	3318.8	3326.9	3297.1	3269.9	3268.5
47.5°	3407.0	3389.4	3419.3	3460.0	3412.5	3393.5	3390.8	3408.4	3398.9	3351.4	3336.4
50°	3462.7	3455.9	3503.5	3551.0	3525.2	3481.7	3491.2	3519.8	3397.5	3333.7	3297.1
52.5°	3612.1	3613.5	3704.4	3730.2	3719.4	3655.6	3675.9	3598.5	3454.6	3365.0	3369.0
55°	3847.0	3837.5	3939.4	4015.4	4027.6	3946.1	3848.4	3739.7	3559.1	3468.2	3441.0
57°	3718.0	3739.7	3852.5	4077.9	4191.9	4095.5	3882.3	3684.1	3443.7	3333.7	3284.8
57.5°	3545.6	3580.9	3776.4	4003.2	4122.7	4114.5	3840.2	3580.9	3366.3	3195.2	3199.3
60°	2597.7	2604.5	2781.0	3140.9	3514.3	3522.5	3188.4	2844.9	2605.9	2419.8	2445.6
62.5°	1370.2	1401.4	1472.0	1761.2	2084.4	2163.2	1960.9	1784.3	1577.9	1436.7	1450.3
65°	725.1	721.1	755.0	836.5	995.4	1036.1	1008.9	869.1	797.1	774.0	775.4
67.5°	589.3	596.1	592.1	596.1	607.0	624.6	620.6	626.0	630.1	636.9	635.5
70°	499.7	499.7	502.4	503.8	503.8	511.9	521.4	539.1	540.5	547.2	550.0
72.5°	393.8	391.1	395.2	404.7	406.0	412.8	426.4	437.3	441.3	441.3	433.2
75°	267.5	270.2	275.7	283.8	292.0	304.2	315.0	321.8	324.5	320.5	316.4
77.5°	150.7	153.4	157.5	169.7	179.2	190.1	202.3	209.1	215.9	217.3	209.1
80°	89.6	89.6	96.4	105.9	116.8	127.6	138.5	146.7	149.4	149.4	145.3
82.5°	54.3	55.7	61.1	70.6	80.1	86.9	96.4	103.2	108.6	107.3	104.6
85°	28.5	28.5	33.9	42.1	48.9	55.7	55.7	51.6	48.9	42.1	39.4
87.5°	9.5	8.1	10.9	10.9	9.5	10.9	10.9	12.2	12.2	12.2	12.2
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)