

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: P528308

Luminaire Tested: **GALN-SA3B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10941 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

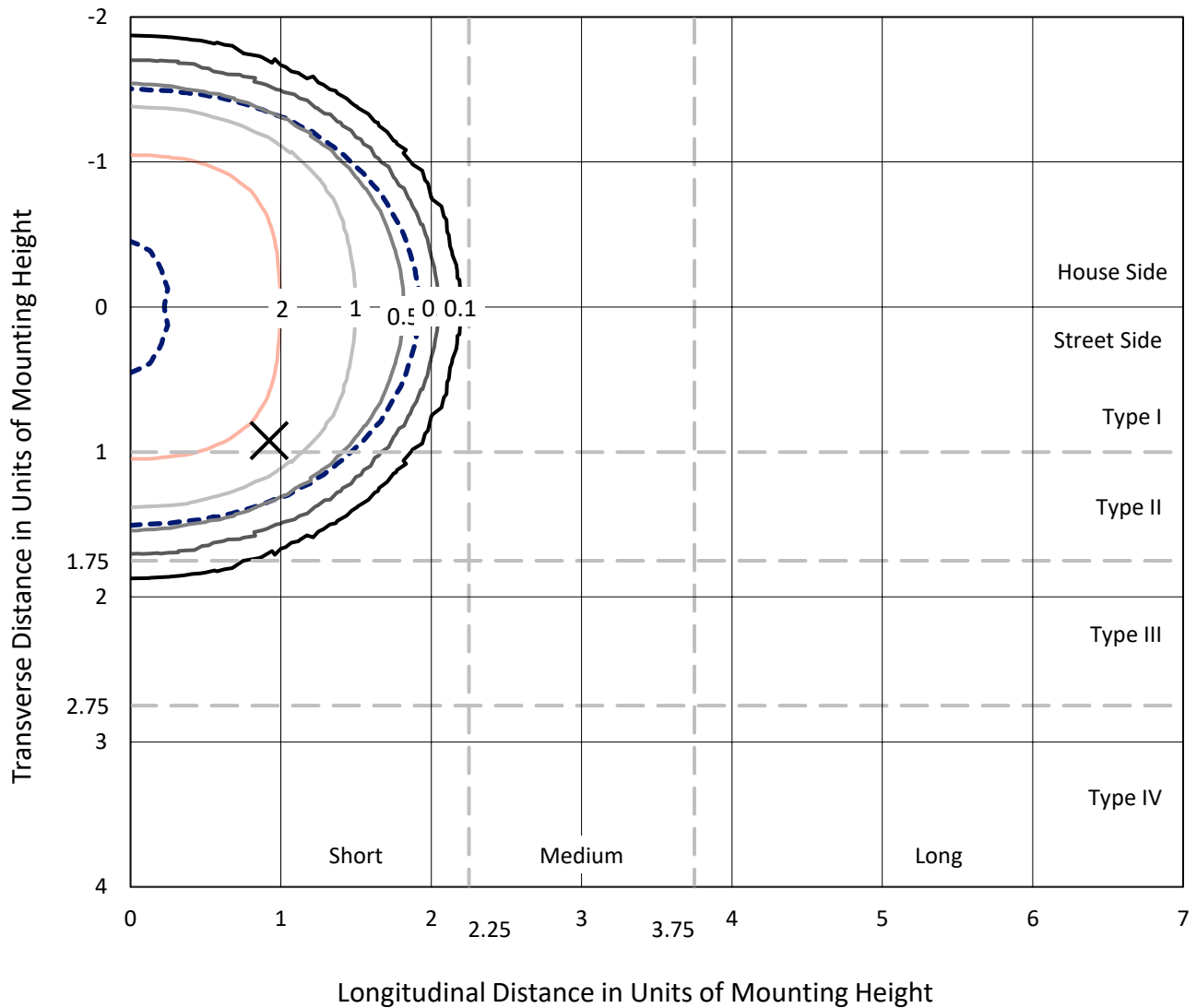
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

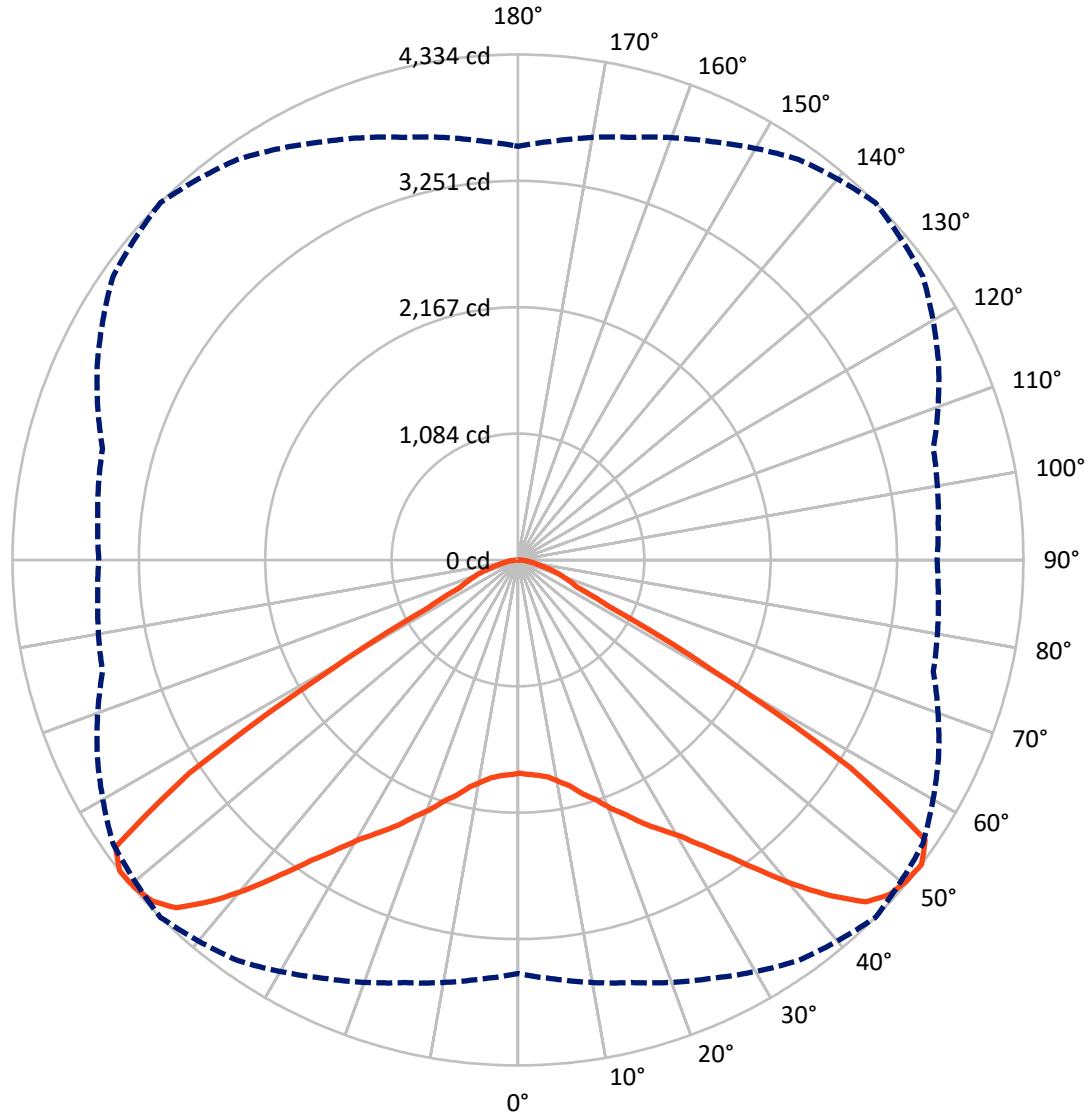
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5470.5	0.0	5470.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5470.5	0.0	5470.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10941.0	0.0	10941.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.7	1.6
10°-20°	590.4	5.4
20°-30°	1124.1	10.3
30°-40°	1930.2	17.6
40°-50°	2966.7	27.1
50°-60°	3012.7	27.5
60°-70°	839.6	7.7
70°-80°	247.7	2.3
80°-90°	49.9	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°	10941.0	100.0
0°-180°	10941.0	100.0

**Coefficient of Utilization**



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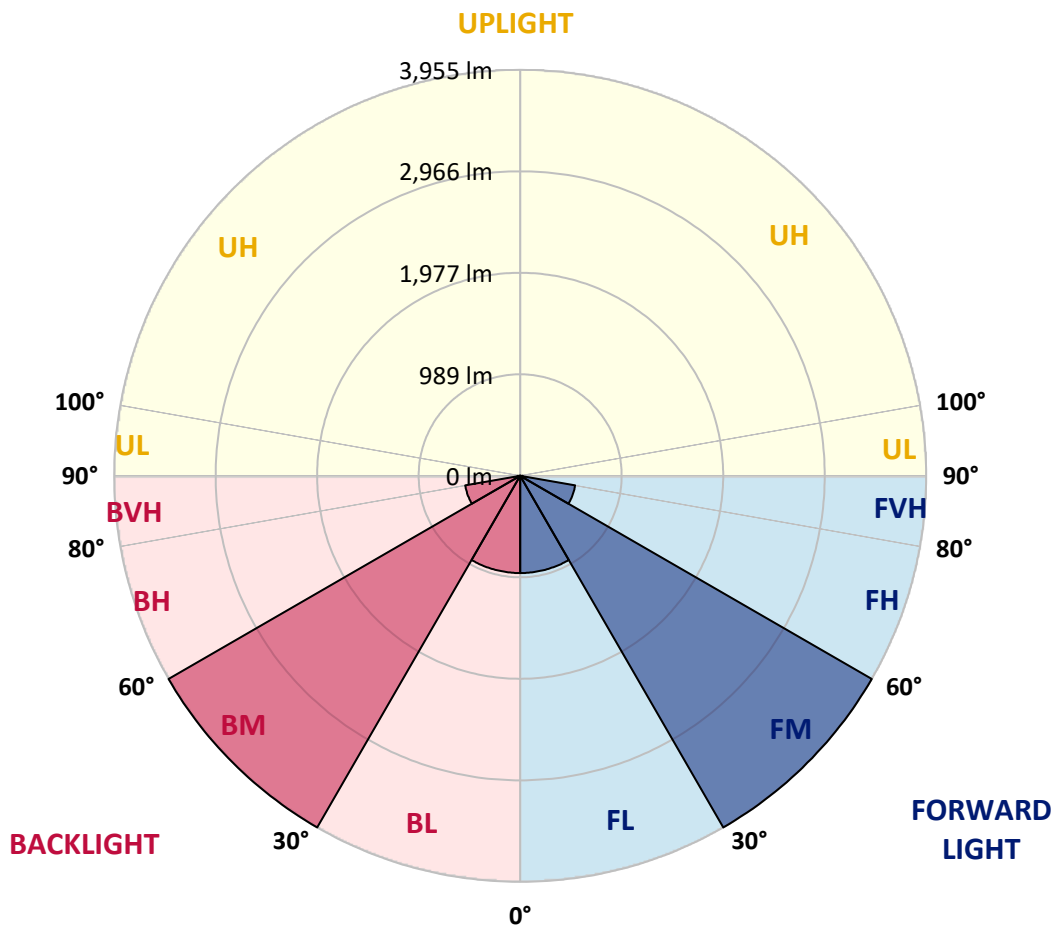
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.1	8.7			
FM (30°-60°)	3954.8	36.1			
FH (60°-80°)	543.6	5.0			G0/660
FVH (80°-90°)	24.9	0.2			G1/100
BL (0°-30°)	947.1	8.7	B2/1000		
BM (30°-60°)	3954.8	36.1	B3/5000		
BH (60°-80°)	543.6	5.0	B2/1000		G0/660
BVH (80°-90°)	24.9	0.2			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°	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9	1828.9
2.5°	1833.0	1814.0	1820.8	1824.9	1842.5	1841.2	1837.1	1842.5	1847.9	1849.3	1846.6
5°	1831.6	1818.1	1823.5	1827.6	1845.2	1854.7	1852.0	1875.1	1891.4	1887.3	1907.7
7.5°	1820.8	1828.9	1822.1	1842.5	1857.4	1880.5	1905.0	1926.7	1947.1	1970.1	1974.2
10°	1845.2	1845.2	1857.4	1873.7	1913.1	1930.8	1966.1	1997.3	2036.7	2063.8	2053.0
12.5°	1871.0	1875.1	1875.1	1917.2	1949.8	1989.2	2021.7	2063.8	2119.5	2152.1	2168.4
15°	1896.8	1899.5	1913.1	1970.1	2019.0	2081.5	2111.4	2149.4	2180.6	2241.7	2243.1
17.5°	1919.9	1934.8	1975.6	2039.4	2100.5	2160.2	2207.8	2247.1	2274.3	2298.7	2293.3
20°	2006.8	2017.7	2059.8	2123.6	2214.5	2272.9	2289.2	2296.0	2313.7	2362.5	2347.6
22.5°	2091.0	2095.1	2134.4	2232.2	2296.0	2373.4	2391.1	2387.0	2393.8	2406.0	2427.7
25°	2177.9	2184.7	2239.0	2321.8	2411.4	2503.7	2518.7	2487.5	2478.0	2491.5	2492.9
27.5°	2289.2	2290.6	2359.8	2431.8	2533.6	2620.5	2643.6	2619.2	2574.4	2585.2	2602.9
30°	2430.4	2420.9	2490.2	2593.4	2700.6	2749.5	2788.9	2776.7	2727.8	2718.3	2703.3
32.5°	2593.4	2596.1	2658.5	2771.2	2841.8	2923.3	2965.4	2945.0	2913.8	2897.5	2907.0
35°	2822.8	2835.0	2877.1	2970.8	3084.9	3125.6	3192.1	3148.7	3067.2	3087.6	3105.2
37.5°	3011.6	3046.9	3125.6	3237.0	3304.8	3379.5	3404.0	3345.6	3285.8	3261.4	3319.8
40°	3300.8	3289.9	3376.8	3488.1	3588.6	3663.3	3632.1	3573.7	3425.7	3427.0	3443.3
42.5°	3549.2	3554.7	3621.2	3754.3	3891.4	3937.6	3838.4	3695.9	3531.6	3513.9	3549.2
45°	3758.3	3780.1	3818.1	3996.0	4130.4	4180.6	3997.3	3828.9	3609.0	3535.7	3594.0
47.5°	3833.0	3868.3	3951.1	4114.1	4247.1	4287.9	4141.2	3899.5	3680.9	3561.5	3592.7
50°	3843.9	3831.7	3967.4	4116.8	4233.6	4321.8	4192.8	3951.1	3663.3	3600.8	3591.3
52.5°	3546.5	3606.3	3751.6	3956.6	4192.8	4334.0	4239.0	3979.7	3687.7	3617.1	3594.0
55°	2870.4	2799.7	3064.5	3409.4	3843.9	4236.3	4222.7	3994.6	3702.7	3644.3	3613.1
57.5°	1602.2	1622.5	1771.9	2146.7	2707.4	3359.2	3754.3	3837.1	3695.9	3661.9	3678.2
60°	741.3	748.1	812.0	987.1	1334.7	1905.0	2425.0	2953.2	3196.2	3245.1	3245.1
62.5°	552.6	549.9	566.2	597.4	670.7	875.8	1169.1	1588.6	1922.6	2156.2	2217.3
65°	499.7	498.3	506.5	517.3	522.7	551.3	616.4	745.4	854.0	916.5	905.6
67.5°	437.2	435.8	438.6	445.4	454.9	469.8	486.1	513.2	551.3	548.5	541.8
70°	353.0	353.0	357.1	362.5	373.4	391.0	410.1	429.1	461.6	468.4	467.1
72.5°	260.7	256.6	264.8	275.6	286.5	308.2	328.6	346.2	369.3	376.1	373.4
75°	165.6	168.4	173.8	186.0	205.0	220.0	241.7	256.6	271.6	277.0	278.3
77.5°	92.3	95.0	104.5	119.5	138.5	154.8	173.8	186.0	195.5	196.9	198.2
80°	55.7	57.0	66.5	80.1	96.4	114.1	129.0	141.2	149.4	145.3	143.9
82.5°	33.9	35.3	43.4	55.7	69.2	82.8	99.1	110.0	118.1	112.7	107.3
85°	17.7	19.0	25.8	33.9	44.8	51.6	51.6	46.2	44.8	42.1	40.7
87.5°	5.4	5.4	6.8	8.1	6.8	8.1	9.5	10.9	10.9	12.2	10.9
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)