

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: P647983

Luminaire Tested: **GALN-SA6A-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21907.6 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

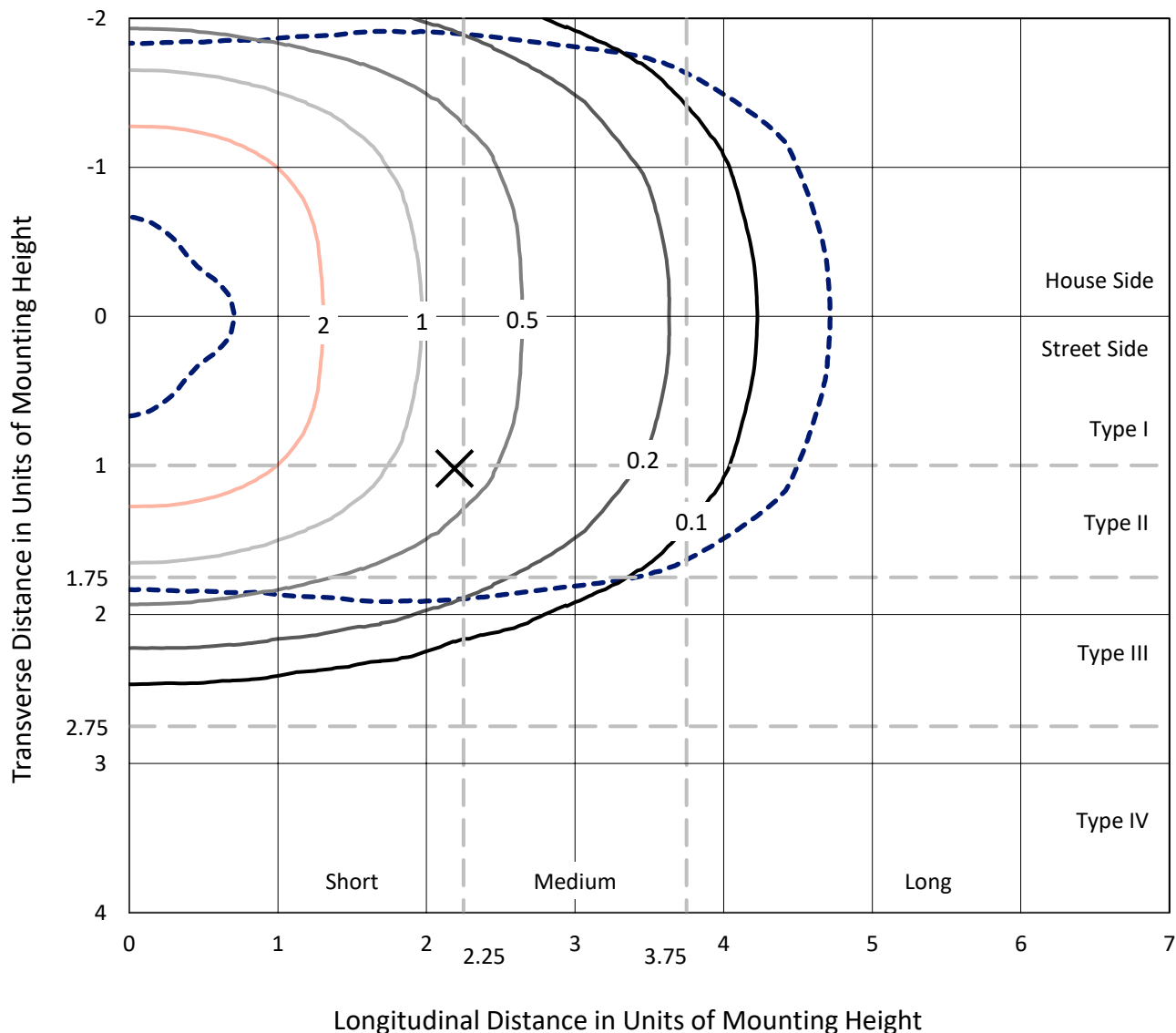
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

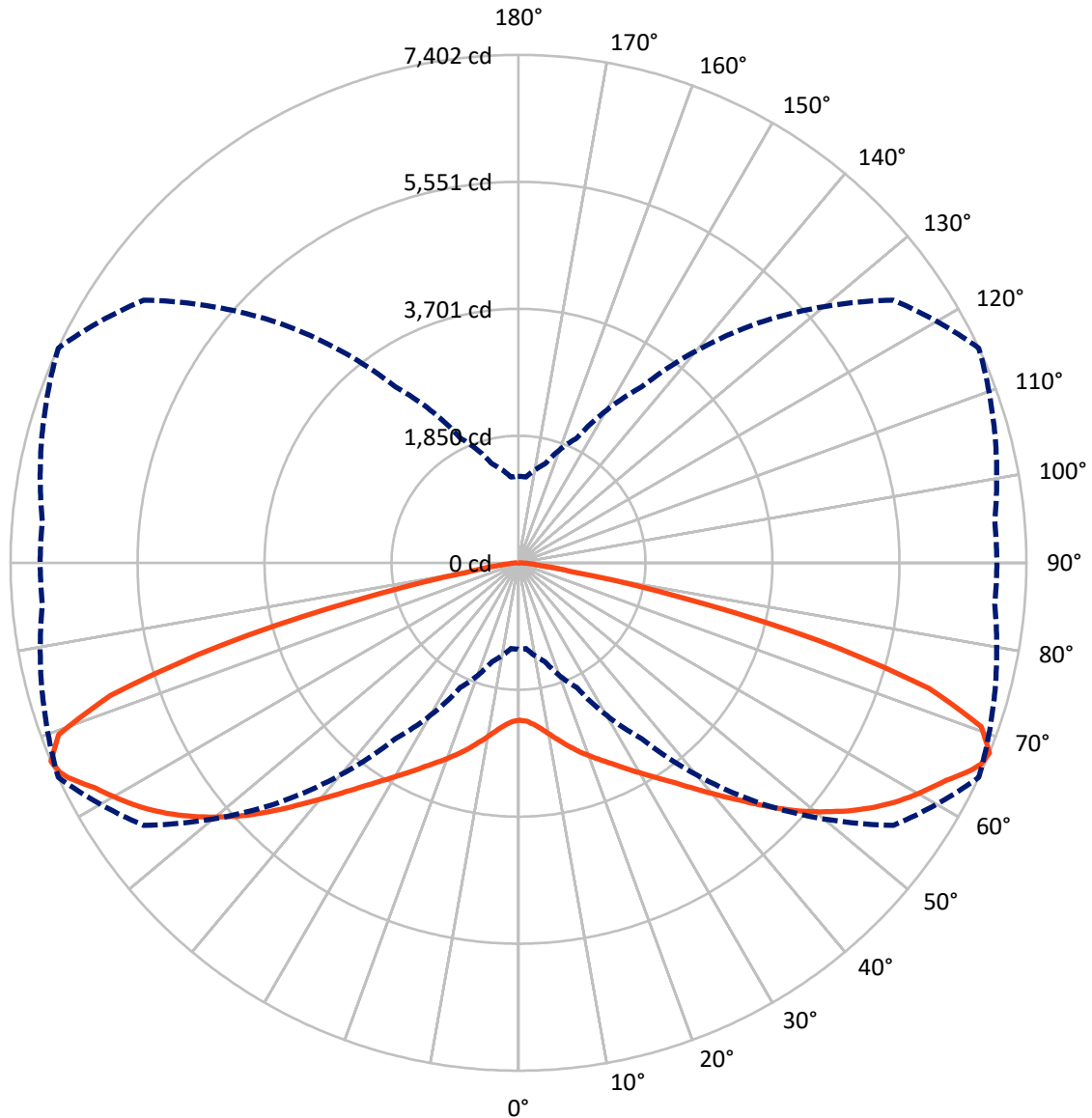
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10953.8	0.0	10953.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10953.8	0.0	10953.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21907.6	0.0	21907.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.3	1.0
10°-20°	757.4	3.5
20°-30°	1481.6	6.8
30°-40°	2520.0	11.5
40°-50°	3988.5	18.2
50°-60°	5288.6	24.1
60°-70°	4988.8	22.8
70°-80°	2466.2	11.3
80°-90°	190.1	0.9
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°	21907.6	100.0
0°-180°	21907.6	100.0

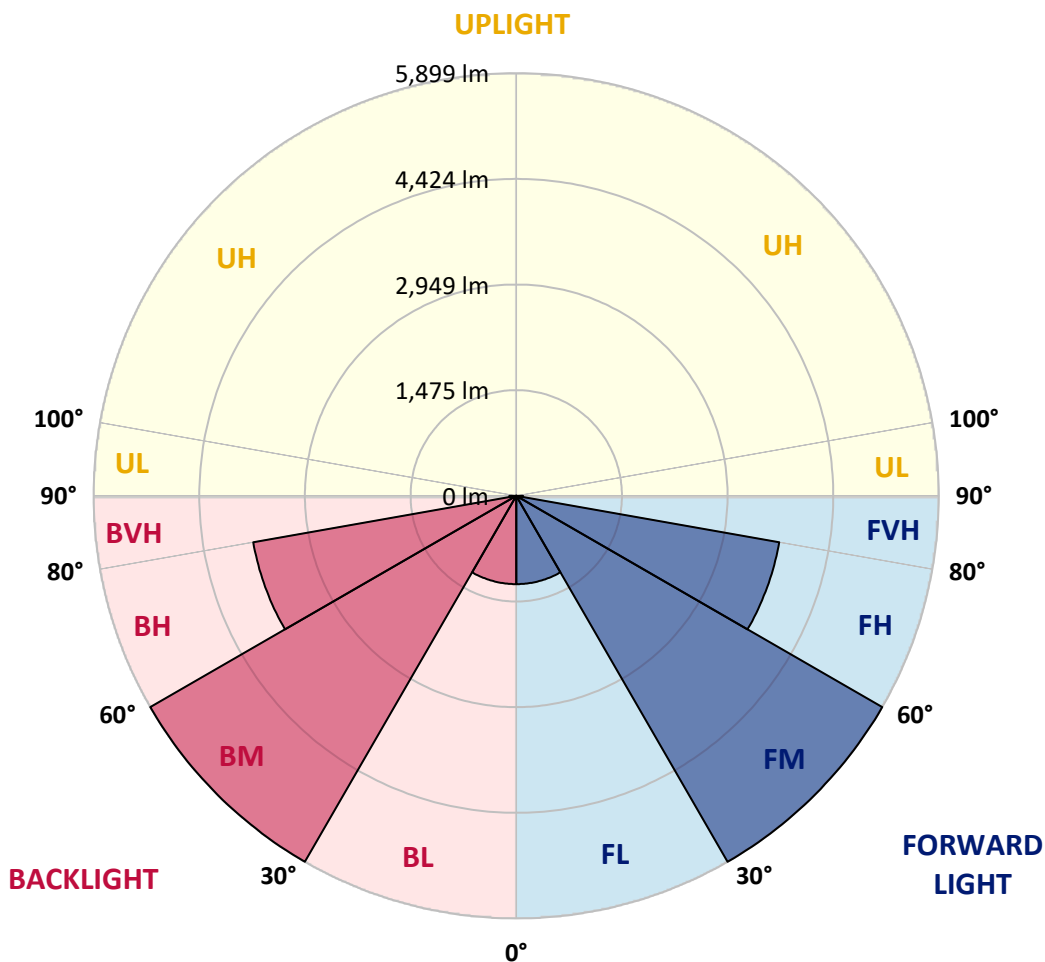


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1232.7	5.6			
FM	(30°-60°)	5898.6	26.9			
FH	(60°-80°)	3727.5	17.0			G2/5000
FVH	(80°-90°)	95.0	0.4			G1/100
BL	(0°-30°)	1232.7	5.6	B3/2500		
BM	(30°-60°)	5898.6	26.9	B4/8500		
BH	(60°-80°)	3727.5	17.0	B4/5000		G4/5000
BVH	(80°-90°)	95.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7	2294.7
2.5°	2282.9	2285.3	2287.6	2291.1	2295.8	2302.8	2307.5	2311.0	2320.4	2321.6	2320.4
5°	2274.7	2277.0	2282.9	2293.5	2308.7	2329.8	2346.3	2366.2	2381.5	2392.1	2389.7
7.5°	2273.5	2278.2	2287.6	2309.8	2339.2	2375.6	2413.2	2447.2	2476.6	2500.0	2496.5
10°	2292.3	2298.2	2313.4	2346.3	2392.1	2444.8	2497.7	2548.1	2590.4	2620.9	2631.5
12.5°	2323.9	2328.6	2356.8	2406.2	2471.9	2537.5	2597.4	2659.6	2718.3	2770.0	2770.0
15°	2379.1	2387.4	2422.5	2494.2	2575.1	2651.5	2712.5	2778.2	2841.6	2900.2	2917.8
17.5°	2455.4	2467.2	2520.0	2611.5	2714.8	2785.2	2842.8	2896.7	2951.9	3008.2	3016.4
20°	2559.9	2571.6	2642.1	2752.4	2874.5	2959.0	2997.7	3010.6	3037.6	3091.6	3098.6
22.5°	2701.9	2713.6	2792.3	2916.7	3052.8	3144.4	3160.8	3130.3	3123.3	3165.5	3170.2
25°	2862.7	2873.3	2963.7	3097.5	3238.3	3338.1	3333.4	3258.2	3216.0	3241.8	3248.8
27.5°	3043.4	3058.7	3150.2	3288.8	3441.4	3529.4	3515.3	3406.1	3315.8	3311.1	3313.4
30°	3274.7	3291.1	3377.9	3510.6	3660.8	3741.8	3712.5	3565.8	3426.1	3379.1	3379.1
32.5°	3518.8	3559.9	3647.9	3786.4	3903.8	3962.4	3917.9	3741.8	3556.4	3490.6	3487.1
35°	3836.9	3859.2	3946.1	4081.0	4169.1	4214.8	4129.2	3940.2	3726.5	3649.1	3638.5
37.5°	4147.9	4166.7	4267.7	4396.8	4503.6	4501.2	4385.0	4176.1	3937.9	3851.0	3843.9
40°	4466.0	4486.0	4601.0	4719.5	4826.3	4816.9	4676.1	4442.5	4189.0	4091.6	4110.4
42.5°	4741.8	4764.2	4894.4	5063.4	5159.7	5157.3	4994.2	4731.3	4467.2	4380.3	4396.8
45°	4993.0	5012.9	5164.4	5358.1	5498.9	5516.5	5338.1	5059.9	4788.7	4677.3	4681.9
47.5°	5170.2	5207.8	5366.2	5588.1	5779.4	5841.6	5666.7	5394.4	5082.2	4966.0	4973.1
50°	5305.2	5328.7	5501.2	5753.6	5995.4	6124.5	5983.6	5704.3	5375.6	5252.4	5268.8
52.5°	5321.7	5349.8	5537.6	5828.7	6138.6	6334.5	6265.3	6007.1	5674.9	5548.2	5583.4
55°	5187.8	5204.3	5428.5	5781.8	6194.9	6490.7	6508.3	6288.8	5960.1	5863.9	5887.4
57.5°	4806.4	4848.6	5132.6	5562.3	6117.4	6574.0	6690.2	6544.6	6248.9	6153.8	6191.3
60°	4180.8	4223.0	4508.3	5052.9	5825.2	6535.3	6840.4	6771.2	6510.6	6434.3	6454.3
62.5°	3275.8	3272.3	3625.6	4293.5	5244.2	6345.1	6951.9	6989.5	6768.9	6672.6	6703.1
65°	2123.3	2133.8	2475.4	3194.9	4367.4	5861.5	6976.6	7267.6	7022.3	6876.9	6899.1
66°	1707.8	1739.4	2029.4	2692.5	3920.2	5544.7	6902.6	7349.9	7099.9	6923.8	6934.3
67.5°	1260.6	1254.7	1492.9	2004.7	3130.3	4942.5	6671.4	7401.5	7187.9	6966.0	6970.7
70°	719.5	718.3	802.8	1101.0	1840.4	3480.0	5623.3	7153.8	7366.3	7118.6	7105.7
72.5°	525.9	522.3	534.0	608.0	897.9	1757.1	3879.1	6252.4	7274.7	7094.0	7057.6
75°	441.3	438.9	436.6	446.0	503.5	795.8	2058.7	4497.7	6312.2	6658.6	6621.0
77.5°	360.3	360.3	361.5	359.2	361.5	419.0	853.3	2410.9	3843.9	4291.2	4395.6
80°	281.7	280.5	300.4	292.3	273.5	268.8	378.0	775.8	1275.8	1268.8	1046.9
82.5°	207.7	193.6	228.9	223.0	201.9	171.4	220.6	331.0	426.0	277.0	205.4
85°	131.5	130.3	162.0	147.9	123.2	81.0	105.6	142.0	176.1	106.8	86.8
87.5°	23.5	22.3	51.7	37.6	37.6	23.5	29.4	38.8	57.6	39.9	29.4
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)