

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: P647970

Luminaire Tested: **GALN-SA6A-835-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22270.1 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

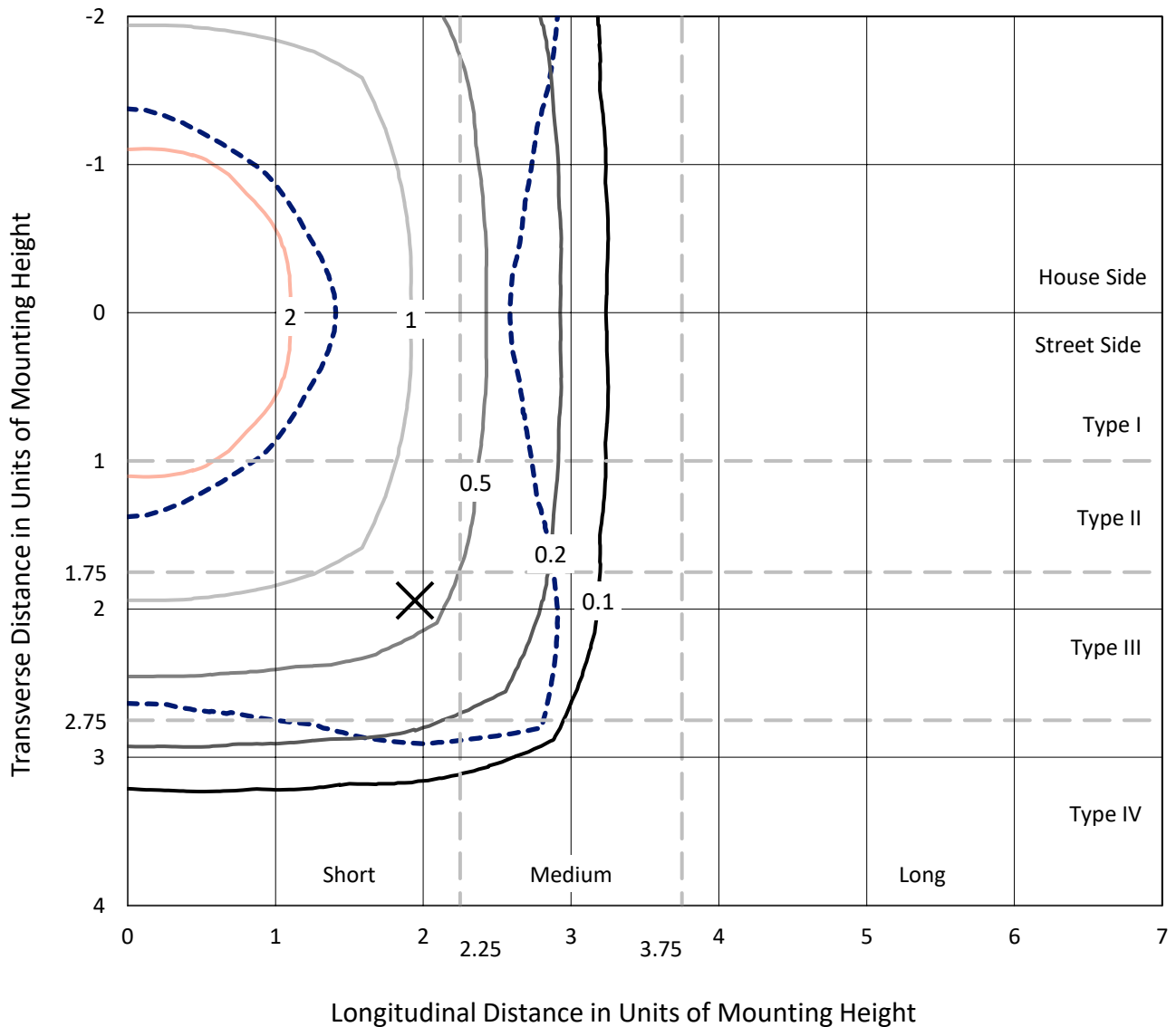
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

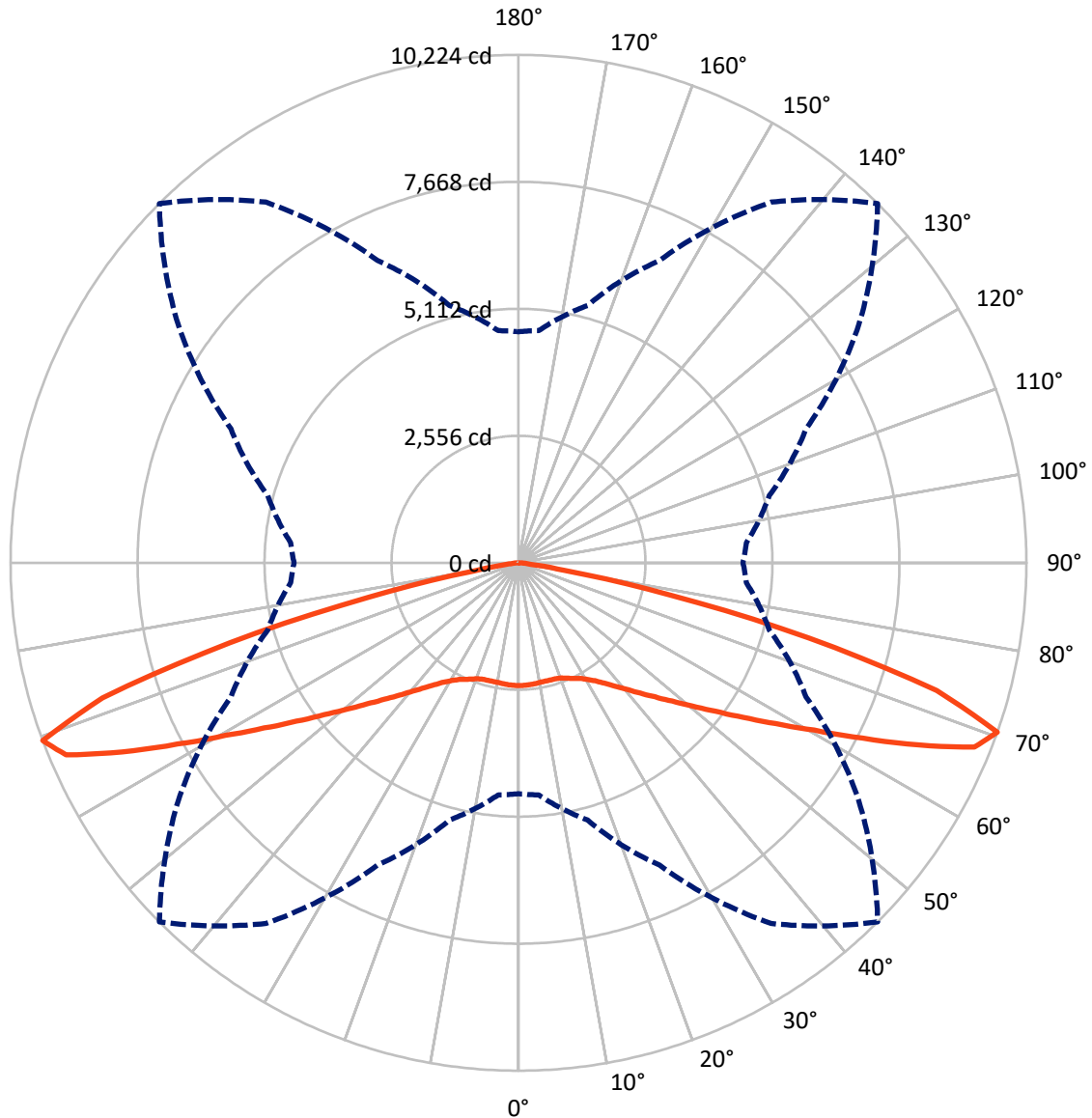
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SA6A-835-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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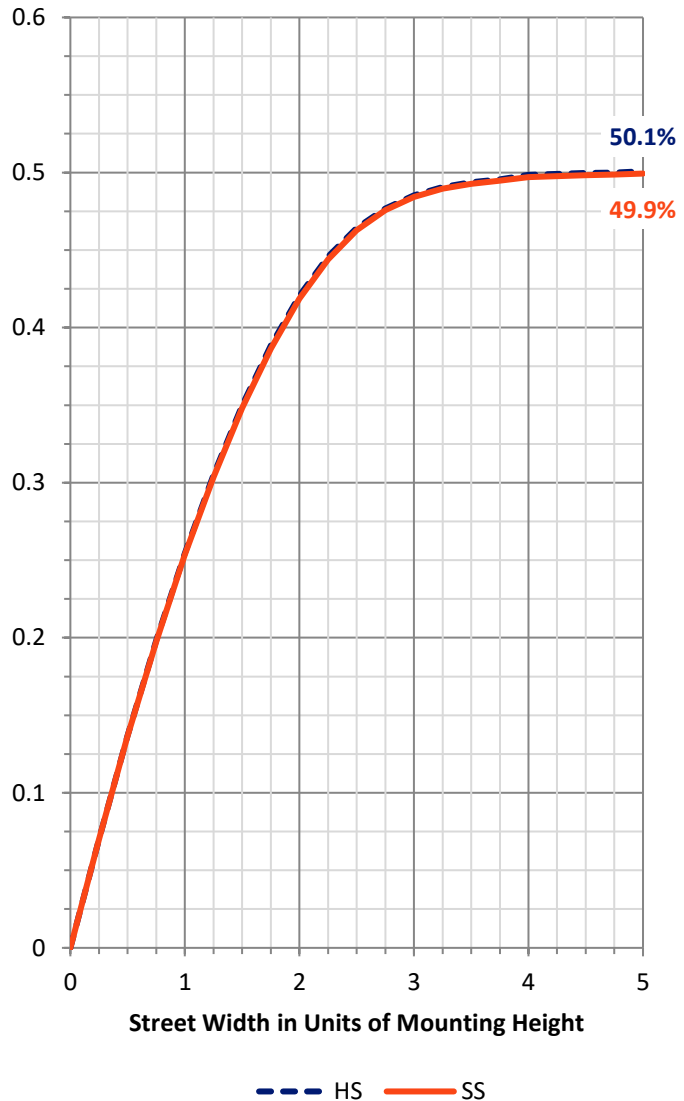
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11135.0	0.0	11135.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11135.0	0.0	11135.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22270.1	0.0	22270.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.5	1.1
10°-20°	688.2	3.1
20°-30°	1176.9	5.3
30°-40°	1868.1	8.4
40°-50°	3013.7	13.5
50°-60°	4903.4	22.0
60°-70°	7108.1	31.9
70°-80°	3152.9	14.2
80°-90°	124.4	0.6
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°	22270.1	100.0
0°-180°	22270.1	100.0

Coefficient of Utilization



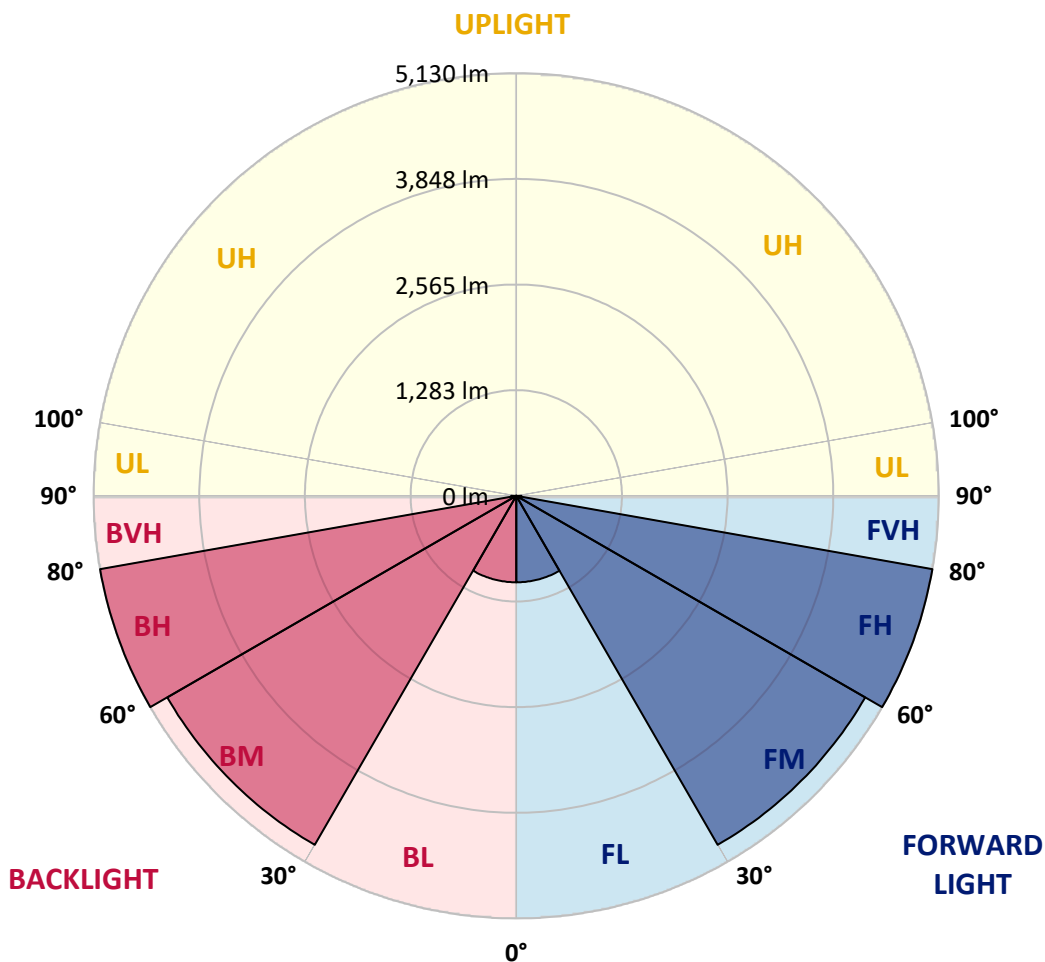
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 CATALOG NUMBER: GALN-SA6A-835-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.8	4.7			
FM (30°-60°)	4892.6	22.0			
FH (60°-80°)	5130.5	23.0			G3/7500
FVH (80°-90°)	62.2	0.3			G1/100
BL (0°-30°)	1049.8	4.7	B3/2500		
BM (30°-60°)	4892.6	22.0	B3/5000		
BH (60°-80°)	5130.5	23.0	B5		G3/7500
BVH (80°-90°)	62.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0	2473.0
2.5°	2473.0	2475.3	2471.9	2469.5	2468.3	2468.3	2467.2	2468.3	2475.3	2476.5	2473.0
5°	2466.0	2468.3	2467.2	2464.8	2463.6	2463.6	2462.5	2461.3	2467.2	2469.5	2468.3
7.5°	2456.6	2457.8	2456.6	2455.4	2456.6	2455.4	2451.9	2449.5	2454.2	2454.2	2453.1
10°	2440.1	2442.5	2441.3	2442.5	2444.8	2444.8	2440.1	2435.4	2436.6	2434.3	2434.3
12.5°	2420.2	2423.7	2424.9	2429.6	2435.4	2442.5	2431.9	2421.3	2419.0	2417.8	2416.7
15°	2407.3	2410.8	2415.5	2420.2	2430.7	2446.0	2430.7	2414.3	2409.6	2404.9	2402.6
17.5°	2403.7	2408.4	2415.5	2422.5	2436.6	2451.9	2439.0	2422.5	2410.8	2403.7	2401.4
20°	2413.1	2416.7	2427.2	2440.1	2460.1	2475.3	2462.5	2444.8	2427.2	2416.7	2413.1
22.5°	2431.9	2437.8	2450.7	2474.1	2502.3	2524.6	2507.0	2477.6	2449.5	2435.4	2430.7
25°	2473.0	2477.6	2492.9	2524.6	2557.5	2578.7	2559.9	2525.8	2487.0	2468.3	2462.5
27.5°	2535.2	2542.2	2558.7	2596.2	2623.2	2635.0	2622.0	2598.5	2570.4	2550.5	2545.8
30°	2623.2	2631.4	2656.1	2696.0	2713.6	2720.6	2714.7	2699.5	2679.6	2658.4	2653.7
32.5°	2741.8	2746.5	2774.6	2812.2	2828.6	2830.9	2823.9	2816.9	2784.0	2748.8	2746.5
35°	2874.4	2882.6	2916.7	2961.2	2976.5	2977.7	2963.6	2953.0	2914.3	2886.1	2886.1
37.5°	3050.4	3053.9	3086.8	3137.3	3153.8	3149.1	3142.0	3132.6	3091.5	3055.1	3056.3
40°	3257.0	3264.1	3292.2	3350.9	3350.9	3345.1	3349.8	3342.7	3301.6	3266.4	3267.6
42.5°	3502.4	3505.9	3539.9	3602.1	3597.4	3585.7	3590.4	3581.0	3555.1	3515.2	3501.2
45°	3764.0	3778.1	3836.9	3896.7	3887.3	3849.8	3868.5	3866.1	3842.7	3782.8	3786.4
47.5°	4079.8	4103.2	4159.6	4231.2	4220.6	4162.0	4183.1	4197.2	4164.3	4098.5	4086.8
50°	4435.4	4450.7	4534.0	4600.9	4591.5	4529.3	4577.4	4579.8	4497.6	4404.9	4404.9
52.5°	4814.5	4829.8	4942.5	5046.9	5052.8	4962.4	5001.2	4998.8	4865.0	4742.9	4719.5
55°	5239.4	5246.4	5392.0	5545.8	5578.6	5490.6	5495.3	5448.3	5274.6	5132.6	5119.6
57.5°	5678.4	5704.2	5865.0	6064.5	6161.9	6107.9	6083.3	5957.7	5789.9	5626.7	5618.5
60°	6164.2	6165.4	6374.4	6610.3	6807.5	6843.9	6742.9	6575.1	6358.0	6142.0	6132.6
62.5°	6501.1	6551.6	6815.7	7214.7	7568.0	7772.2	7505.8	7153.7	6726.5	6377.9	6342.7
65°	6570.4	6604.4	7007.0	7683.0	8404.9	8845.0	8228.8	7480.0	6751.1	6286.3	6262.9
67.5°	6010.5	6046.9	6589.2	7626.7	8991.7	9894.3	8698.3	7322.7	6333.3	5758.2	5712.4
70°	4649.1	4690.1	5360.3	6713.6	8861.4	10224.1	8363.8	6387.2	5223.0	4602.1	4518.8
72.5°	2471.9	2623.2	3196.0	4608.0	7192.4	8802.7	6857.9	4660.7	3368.5	2753.5	2643.2
75°	902.6	921.4	1240.6	2043.4	4184.3	6036.4	4345.0	2223.0	1278.2	987.0	936.6
77.5°	373.3	372.1	408.4	617.4	1520.0	3091.5	1696.0	652.6	407.2	376.8	372.1
80°	220.6	220.6	243.0	257.1	400.3	933.1	447.2	291.0	244.1	223.0	226.5
82.5°	98.6	104.5	153.8	162.0	193.6	255.9	216.0	185.4	159.7	110.3	99.8
85°	54.0	47.0	81.0	84.5	92.7	95.1	102.1	100.9	92.7	54.0	55.2
87.5°	10.6	12.9	23.5	17.6	20.0	17.6	23.5	32.9	34.1	18.8	15.3
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)