

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: P648038

Luminaire Tested: **GALN-SA7A-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648038
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-SA7A-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 25731.7 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

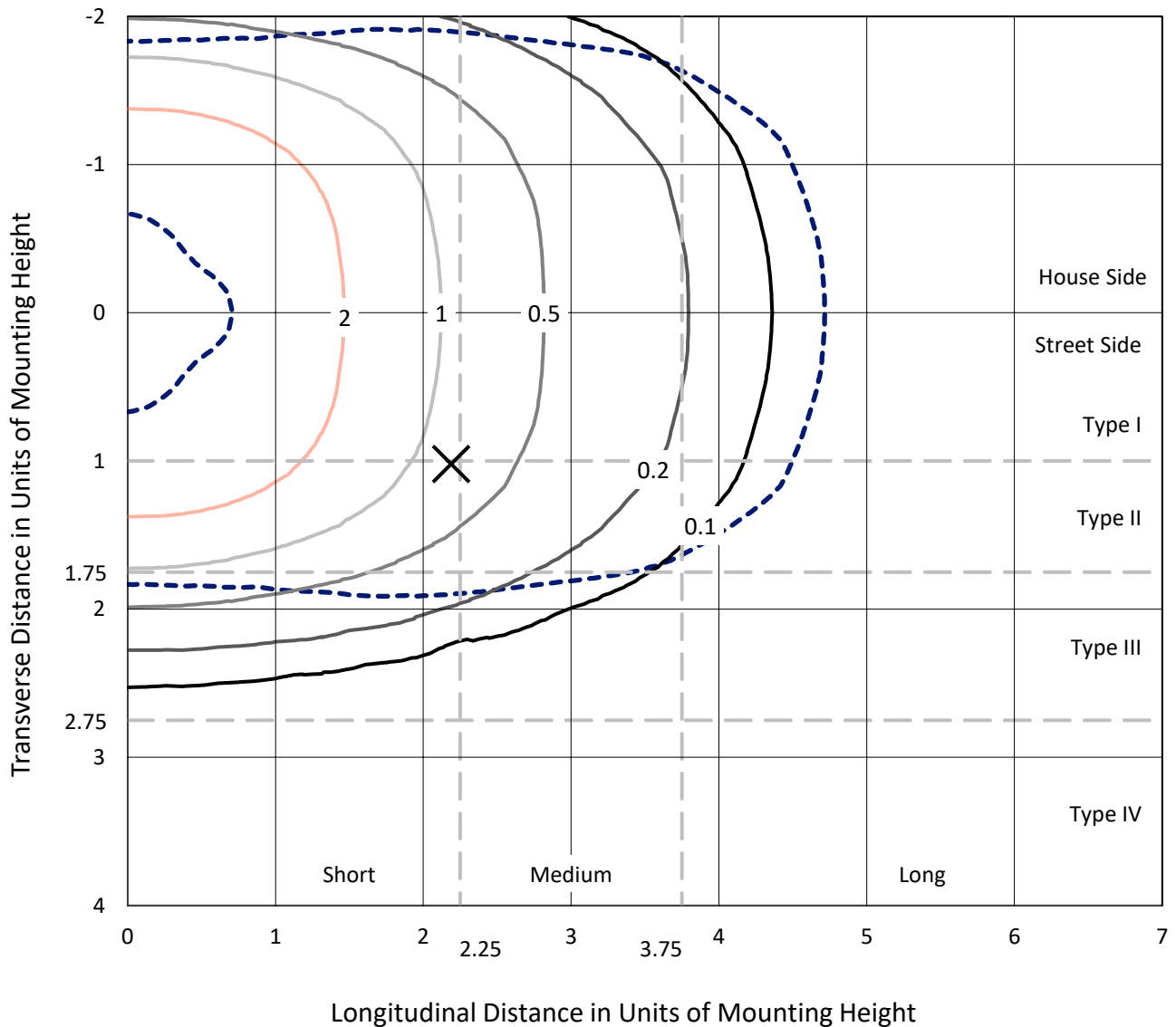
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

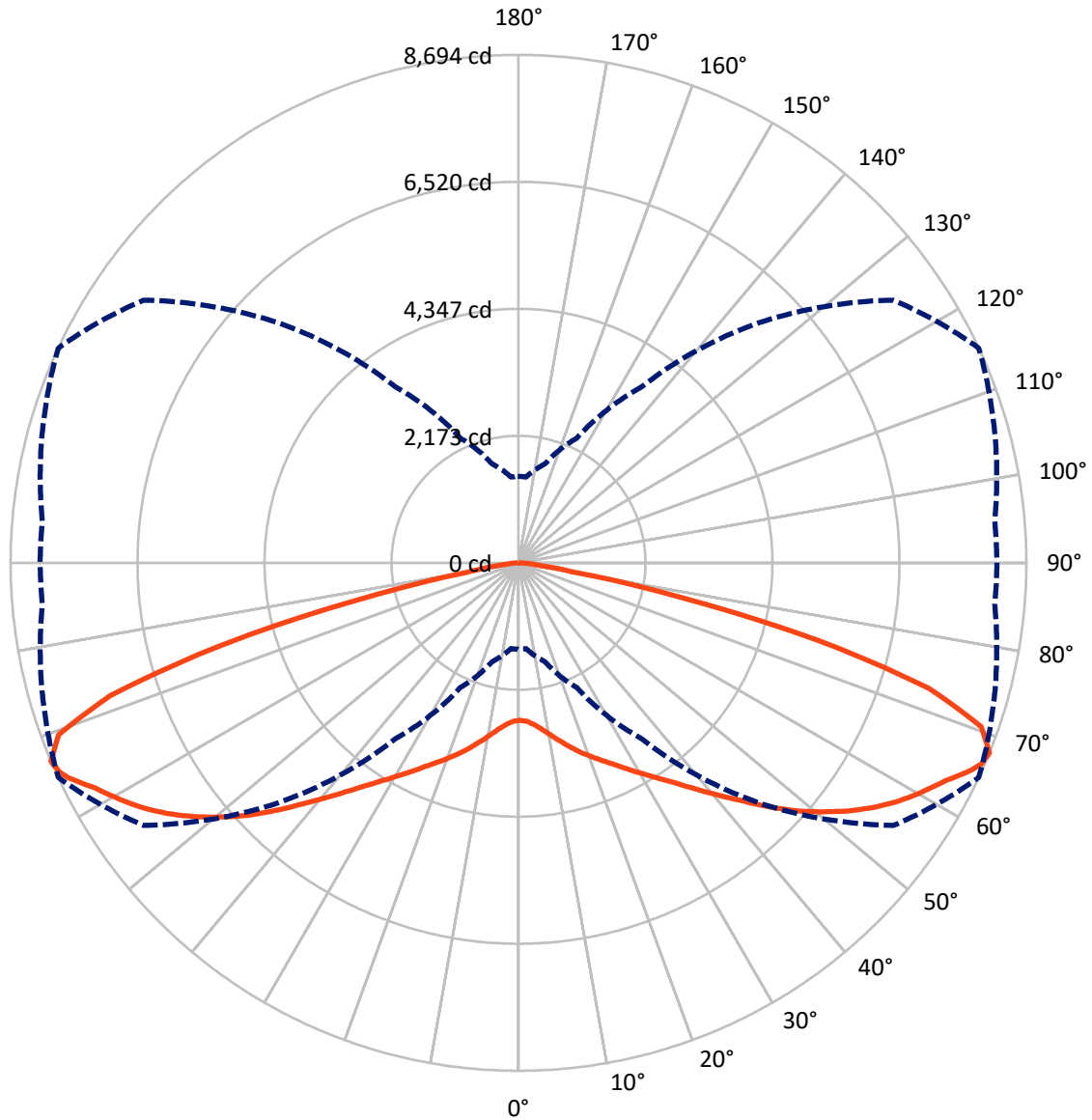
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	12865.9	0.0	12865.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12865.9	0.0	12865.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25731.7	0.0	25731.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	1.0
10°-20°	889.7	3.5
20°-30°	1740.2	6.8
30°-40°	2959.9	11.5
40°-50°	4684.7	18.2
50°-60°	6211.8	24.1
60°-70°	5859.6	22.8
70°-80°	2896.7	11.3
80°-90°	223.2	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°	25731.7	100.0
0°-180°	25731.7	100.0

Coefficient of Utilization

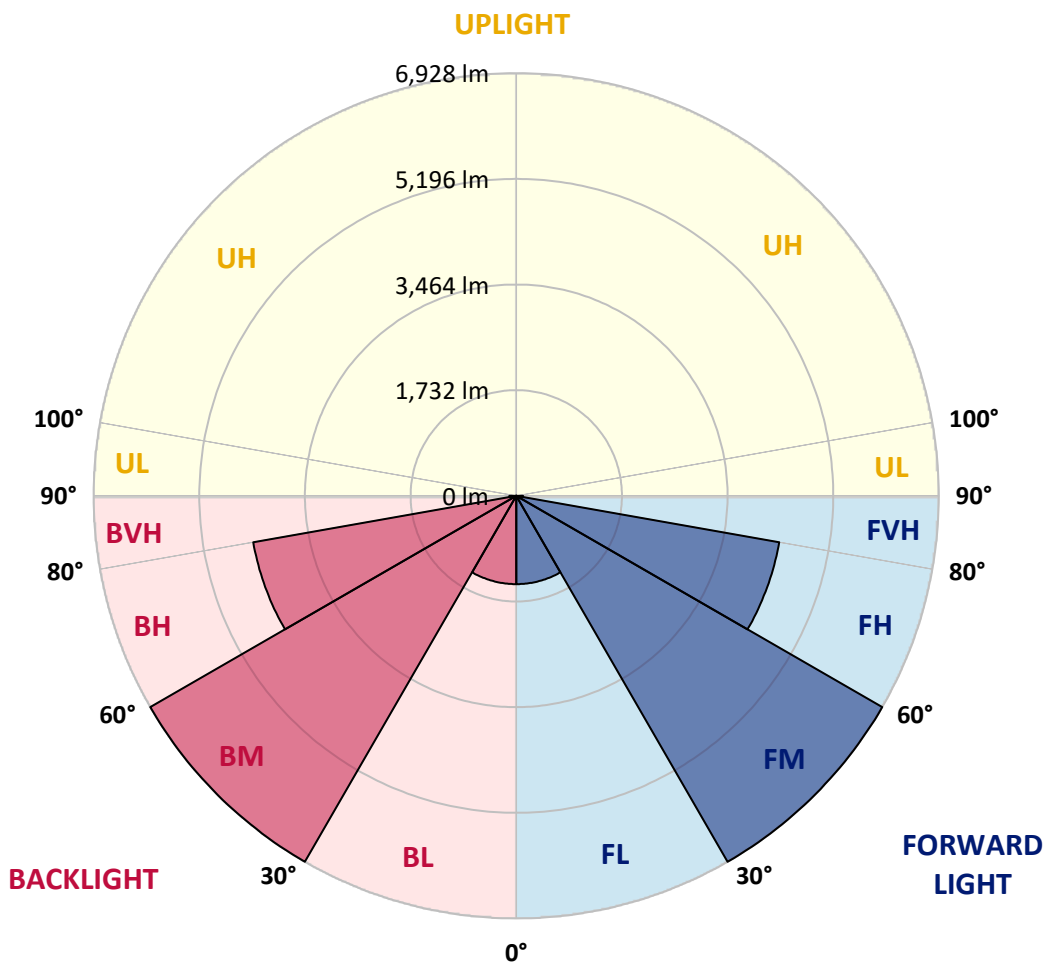


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1447.9	5.6			
FM (30°-60°)	6928.2	26.9			
FH (60°-80°)	4378.2	17.0			G2/5000
FVH (80°-90°)	111.6	0.4			G2/225
BL (0°-30°)	1447.9	5.6	B3/2500		
BM (30°-60°)	6928.2	26.9	B4/8500		
BH (60°-80°)	4378.2	17.0	B4/5000		G4/5000
BVH (80°-90°)	111.6	0.4			G2/225
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°	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2	2695.2
2.5°	2681.4	2684.1	2686.9	2691.0	2696.6	2704.8	2710.4	2714.5	2725.5	2726.9	2725.5
5°	2671.8	2674.5	2681.4	2693.8	2711.7	2736.5	2755.8	2779.3	2797.2	2809.6	2806.8
7.5°	2670.3	2675.9	2686.9	2713.1	2747.5	2790.3	2834.4	2874.4	2908.8	2936.4	2932.3
10°	2692.4	2699.3	2717.2	2755.8	2809.6	2871.7	2933.7	2992.9	3042.6	3078.4	3090.8
12.5°	2729.6	2735.2	2768.2	2826.2	2903.4	2980.6	3050.9	3123.9	3192.8	3253.5	3253.5
15°	2794.4	2804.1	2845.4	2929.5	3024.7	3114.3	3185.9	3263.2	3337.6	3406.5	3427.2
17.5°	2884.0	2897.8	2959.9	3067.4	3188.7	3271.5	3338.9	3402.4	3467.2	3533.4	3543.0
20°	3006.7	3020.5	3103.3	3232.9	3376.2	3475.4	3521.0	3536.1	3567.8	3631.2	3639.5
22.5°	3173.6	3187.4	3279.7	3425.9	3585.7	3693.3	3712.6	3676.7	3668.4	3718.1	3723.6
25°	3362.4	3374.8	3481.0	3638.1	3803.6	3920.7	3915.2	3827.0	3777.3	3807.7	3816.0
27.5°	3574.7	3592.6	3700.1	3862.9	4042.1	4145.4	4128.9	4000.7	3894.6	3889.0	3891.8
30°	3846.3	3865.6	3967.6	4123.4	4299.8	4395.0	4360.5	4188.2	4024.2	3969.0	3969.0
32.5°	4133.1	4181.3	4284.7	4447.4	4585.2	4654.2	4601.8	4395.0	4177.1	4099.9	4095.8
35°	4506.6	4532.9	4634.9	4793.4	4896.8	4950.6	4849.9	4628.0	4377.0	4286.1	4273.7
37.5°	4872.0	4894.1	5012.6	5164.3	5289.7	5287.0	5150.5	4905.1	4625.2	4523.2	4514.9
40°	5245.6	5269.0	5404.1	5543.4	5668.8	5657.8	5492.4	5218.0	4920.2	4805.8	4827.9
42.5°	5569.6	5595.8	5748.8	5947.3	6060.3	6057.6	5865.9	5557.2	5247.0	5144.9	5164.3
45°	5864.6	5888.0	6065.8	6293.4	6458.7	6479.4	6269.9	5943.1	5624.7	5493.8	5499.2
47.5°	6072.8	6116.9	6303.0	6563.5	6788.2	6861.4	6655.9	6336.0	5969.4	5832.9	5841.2
50°	6231.3	6258.8	6461.6	6757.9	7041.9	7193.6	7028.1	6700.1	6314.0	6169.3	6188.5
52.5°	6250.6	6283.7	6504.2	6846.2	7210.1	7440.3	7359.0	7055.7	6665.5	6516.7	6558.0
55°	6093.5	6112.7	6376.0	6791.0	7276.3	7623.7	7644.4	7386.6	7000.6	6887.5	6915.1
57.5°	5645.4	5695.0	6028.6	6533.2	7185.3	7721.6	7858.0	7687.1	7339.7	7228.0	7272.1
60°	4910.6	4960.2	5295.2	5934.9	6842.0	7676.1	8034.5	7953.2	7647.1	7557.5	7580.9
62.5°	3847.7	3843.5	4258.5	5042.9	6159.6	7452.8	8165.4	8209.6	7950.4	7837.4	7873.2
65°	2493.9	2506.3	2907.5	3752.5	5129.8	6884.8	8194.4	8536.3	8248.2	8077.3	8103.4
66°	2005.9	2043.1	2383.6	3162.5	4604.5	6512.5	8107.6	8632.8	8339.2	8132.4	8144.8
67.5°	1480.7	1473.8	1753.6	2354.6	3676.7	5805.3	7836.0	8693.5	8442.5	8182.0	8187.5
70°	845.1	843.7	943.0	1293.1	2161.6	4087.6	6604.9	8402.6	8652.2	8361.3	8346.1
72.5°	617.6	613.5	627.3	714.1	1054.6	2063.8	4556.3	7343.8	8544.6	8332.3	8289.5
75°	518.3	515.6	512.9	523.9	591.4	934.7	2418.1	5282.8	7414.1	7820.8	7776.7
77.5°	423.2	423.2	424.6	421.9	424.6	492.2	1002.2	2831.6	4514.9	5040.2	5162.9
80°	330.9	329.5	352.9	343.3	321.2	315.7	443.9	911.3	1498.5	1490.3	1229.7
82.5°	244.0	227.5	268.8	261.9	237.1	201.3	259.2	388.8	500.4	325.3	241.2
85°	154.4	153.0	190.3	173.7	144.8	95.1	124.1	166.8	206.8	125.4	102.0
87.5°	27.6	26.2	60.7	44.1	44.1	27.6	34.5	45.5	67.6	46.9	34.5
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)