

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: P646925

Luminaire Tested: **GALN-SA5C-835-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646925
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-SA5C-835-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28913.1 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

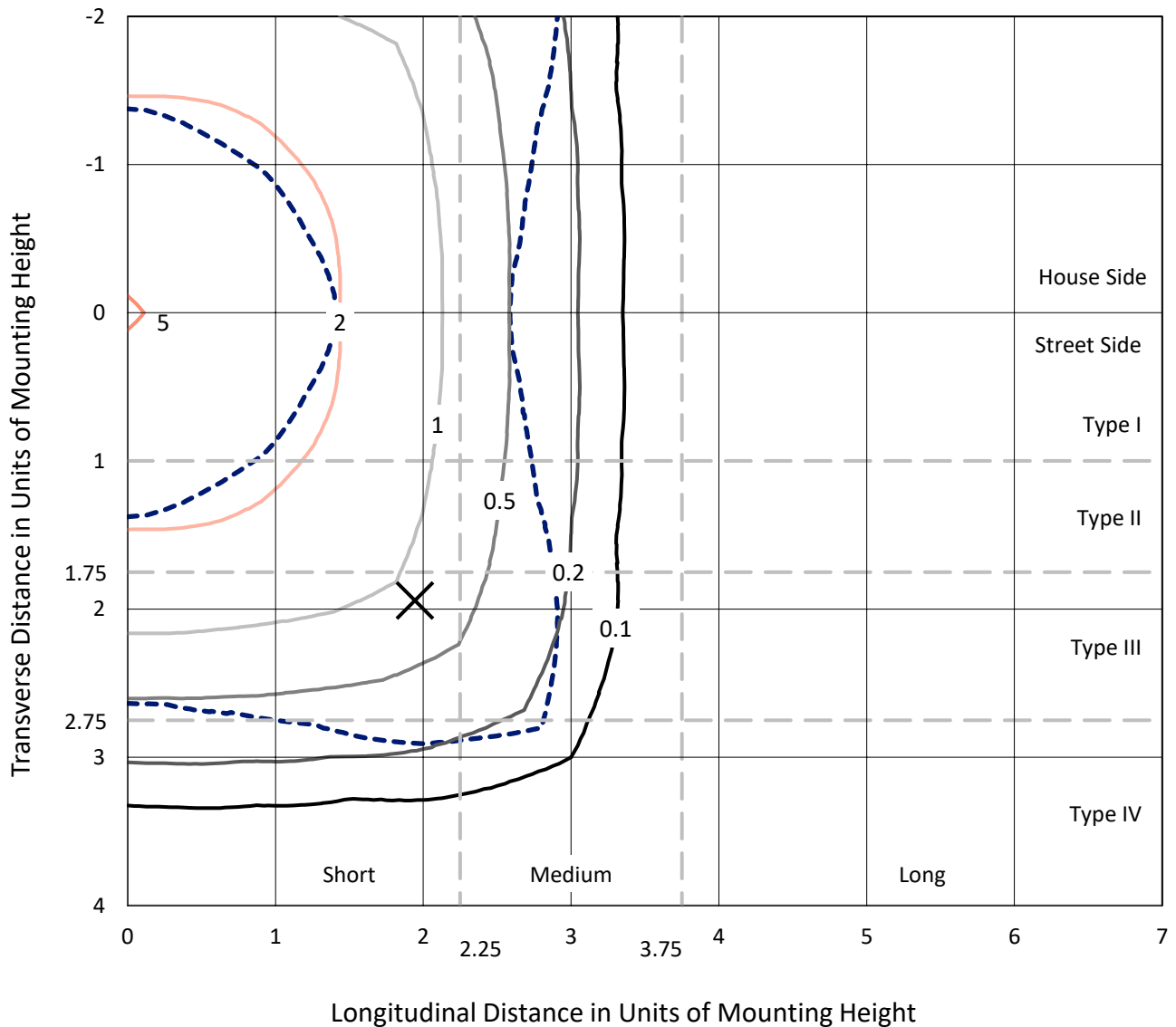
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

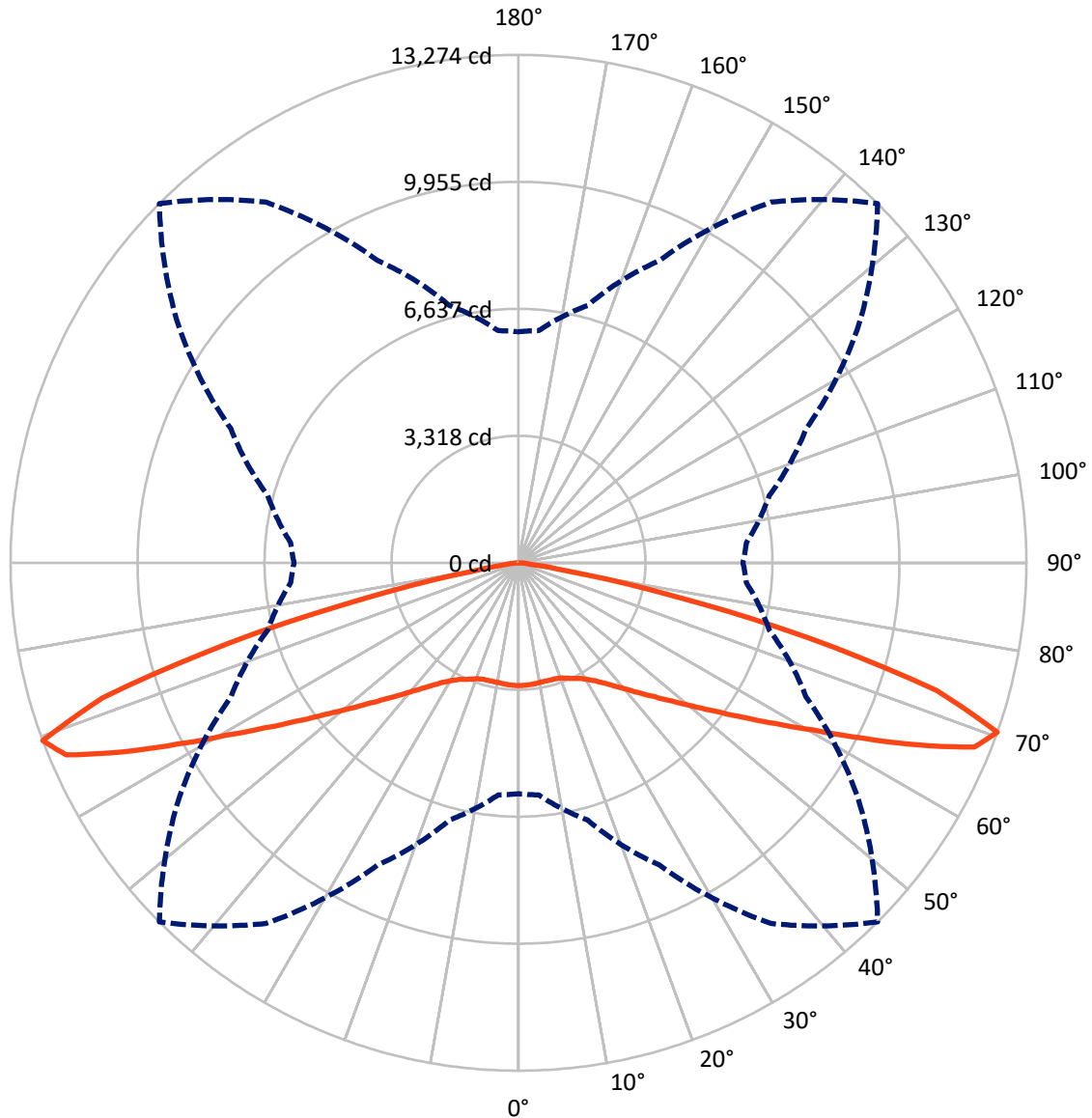
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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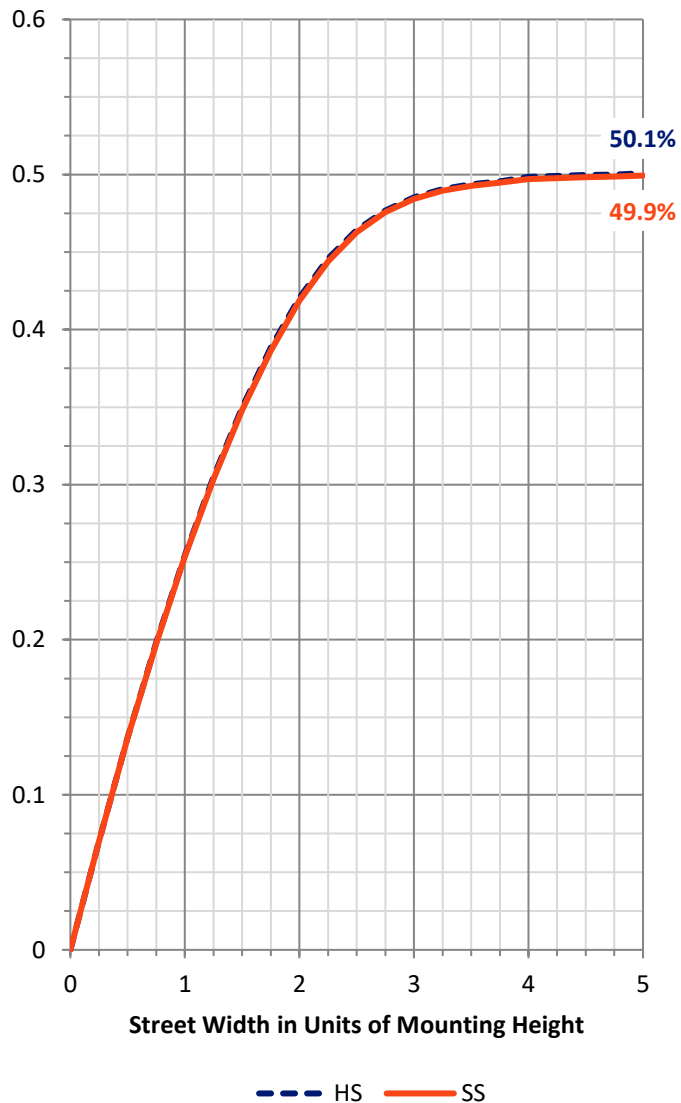
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14456.5	0.0	14456.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14456.5	0.0	14456.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28913.1	0.0	28913.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	1.1
10°-20°	893.4	3.1
20°-30°	1528.0	5.3
30°-40°	2425.3	8.4
40°-50°	3912.7	13.5
50°-60°	6366.0	22.0
60°-70°	9228.4	31.9
70°-80°	4093.4	14.2
80°-90°	161.5	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°	28913.1	100.0
0°-180°	28913.1	100.0

Coefficient of Utilization

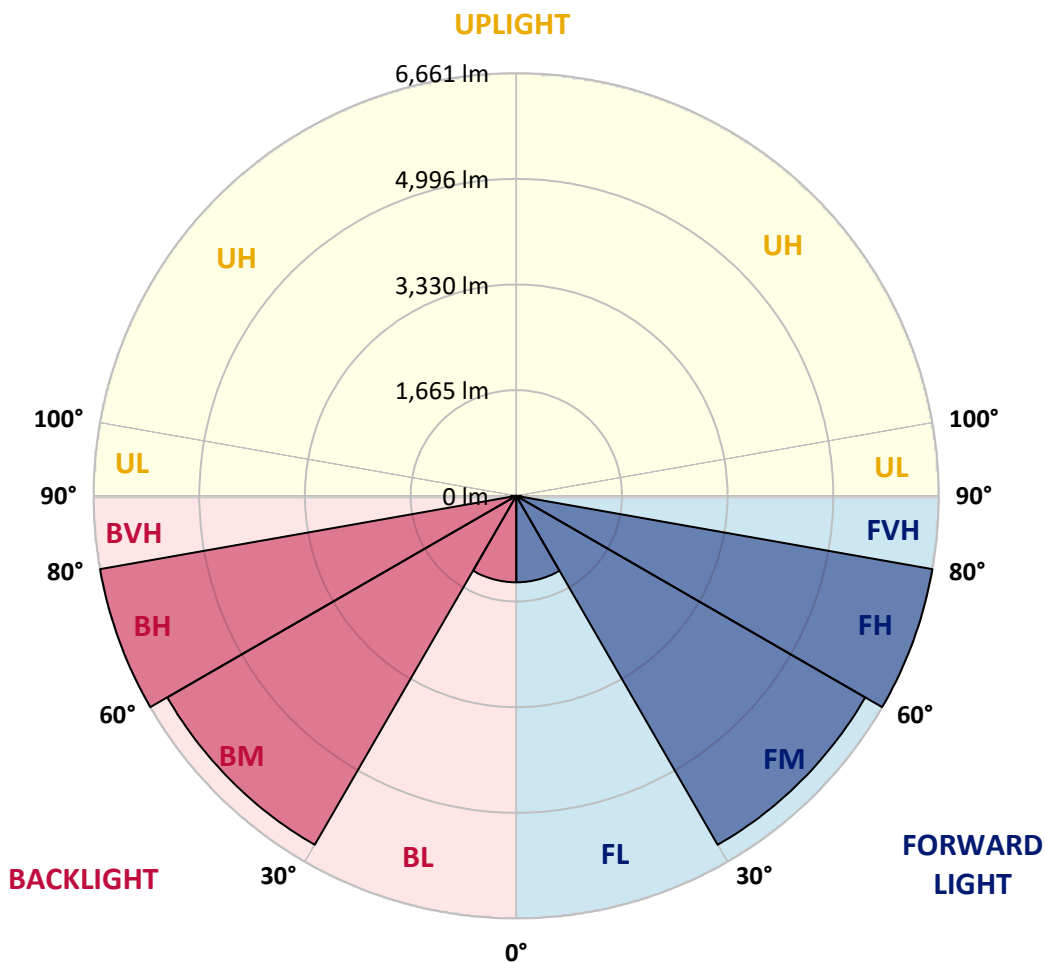


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.0	4.7			
FM (30°-60°)	6352.0	22.0			
FH (60°-80°)	6660.9	23.0			G3/7500
FVH (80°-90°)	80.7	0.3			G1/100
BL (0°-30°)	1363.0	4.7	B3/2500		
BM (30°-60°)	6352.0	22.0	B4/8500		
BH (60°-80°)	6660.9	23.0	B5		G3/7500
BVH (80°-90°)	80.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7	3210.7
2.5°	3210.7	3213.7	3209.1	3206.1	3204.6	3204.6	3203.0	3204.6	3213.7	3215.2	3210.7
5°	3201.5	3204.6	3203.0	3200.0	3198.5	3198.5	3196.9	3195.4	3203.0	3206.1	3204.6
7.5°	3189.3	3190.9	3189.3	3187.8	3189.3	3187.8	3183.2	3180.2	3186.3	3186.3	3184.8
10°	3168.0	3171.1	3169.5	3171.1	3174.1	3174.1	3168.0	3161.9	3163.4	3160.3	3160.3
12.5°	3142.1	3146.6	3148.2	3154.3	3161.9	3171.1	3157.3	3143.6	3140.5	3139.0	3137.5
15°	3125.3	3129.9	3136.0	3142.1	3155.8	3175.6	3155.8	3134.5	3128.4	3122.3	3119.2
17.5°	3120.7	3126.8	3136.0	3145.2	3163.4	3183.2	3166.5	3145.2	3129.9	3120.7	3117.7
20°	3132.9	3137.5	3151.3	3168.0	3193.9	3213.7	3196.9	3174.1	3151.3	3137.5	3132.9
22.5°	3157.3	3165.0	3181.7	3212.2	3248.7	3277.7	3254.9	3216.7	3180.2	3161.9	3155.8
25°	3210.7	3216.7	3236.5	3277.7	3320.4	3347.8	3323.4	3279.2	3228.9	3204.6	3196.9
27.5°	3291.4	3300.6	3321.9	3370.7	3405.7	3420.9	3404.2	3373.7	3337.1	3311.2	3305.1
30°	3405.7	3416.4	3448.4	3500.2	3523.0	3532.2	3524.6	3504.8	3478.9	3451.4	3445.4
32.5°	3559.6	3565.7	3602.3	3651.1	3672.3	3675.4	3666.2	3657.2	3614.5	3568.8	3565.7
35°	3731.8	3742.5	3786.7	3844.5	3864.3	3865.9	3847.6	3833.9	3783.6	3747.0	3747.0
37.5°	3960.3	3965.0	4007.6	4073.2	4094.5	4088.4	4079.2	4067.1	4013.7	3966.4	3968.0
40°	4228.6	4237.7	4274.2	4350.5	4350.5	4342.8	4348.9	4339.8	4286.5	4240.7	4242.3
42.5°	4547.0	4551.6	4595.8	4676.5	4670.4	4655.2	4661.4	4649.1	4615.6	4563.8	4545.5
45°	4886.9	4905.1	4981.3	5059.0	5046.8	4998.0	5022.5	5019.4	4989.0	4911.2	4915.8
47.5°	5296.8	5327.2	5400.4	5493.3	5479.6	5403.4	5430.8	5449.1	5406.5	5321.1	5305.9
50°	5758.5	5778.3	5886.4	5973.4	5961.1	5880.3	5942.8	5945.9	5839.2	5718.9	5718.9
52.5°	6250.7	6270.5	6416.8	6552.4	6560.0	6442.7	6492.9	6489.9	6316.1	6157.7	6127.2
55°	6802.2	6811.4	7000.3	7200.0	7242.7	7128.4	7134.5	7073.5	6848.0	6663.6	6646.8
57.5°	7372.2	7405.7	7614.4	7873.5	8000.0	7929.9	7897.9	7734.9	7517.0	7305.2	7294.4
60°	8003.0	8004.5	8275.8	8582.1	8838.1	8885.3	8754.3	8536.3	8254.5	7974.1	7961.9
62.5°	8440.3	8505.9	8848.8	9366.9	9825.5	10090.7	9744.7	9287.6	8733.0	8280.4	8234.7
65°	8530.2	8574.5	9097.1	9974.9	10912.0	11483.4	10683.4	9711.2	8764.9	8161.5	8131.1
67.5°	7803.4	7850.7	8554.7	9901.7	11673.9	12845.7	11292.9	9507.0	8222.4	7475.8	7416.3
70°	6035.8	6089.2	6959.2	8716.2	11504.7	13273.9	10858.6	8292.5	6780.9	5974.8	5866.6
72.5°	3209.1	3405.7	4149.4	5982.4	9337.9	11428.5	8903.6	6051.0	4373.3	3574.9	3431.6
75°	1171.8	1196.2	1610.6	2653.0	5432.4	7837.0	5641.1	2886.1	1659.4	1281.5	1216.0
77.5°	484.6	483.0	530.2	801.6	1973.3	4013.7	2201.9	847.2	528.8	489.1	483.0
80°	286.5	286.5	315.4	333.7	519.6	1211.5	580.6	377.9	317.0	289.6	294.1
82.5°	128.0	135.6	199.6	210.3	251.4	332.2	280.4	240.8	207.3	143.2	129.5
85°	70.1	60.9	105.2	109.7	120.3	123.4	132.6	131.1	120.3	70.1	71.6
87.5°	13.7	16.8	30.5	22.9	25.9	22.9	30.5	42.7	44.2	24.4	19.8
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)