

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: P646923

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16544.8 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

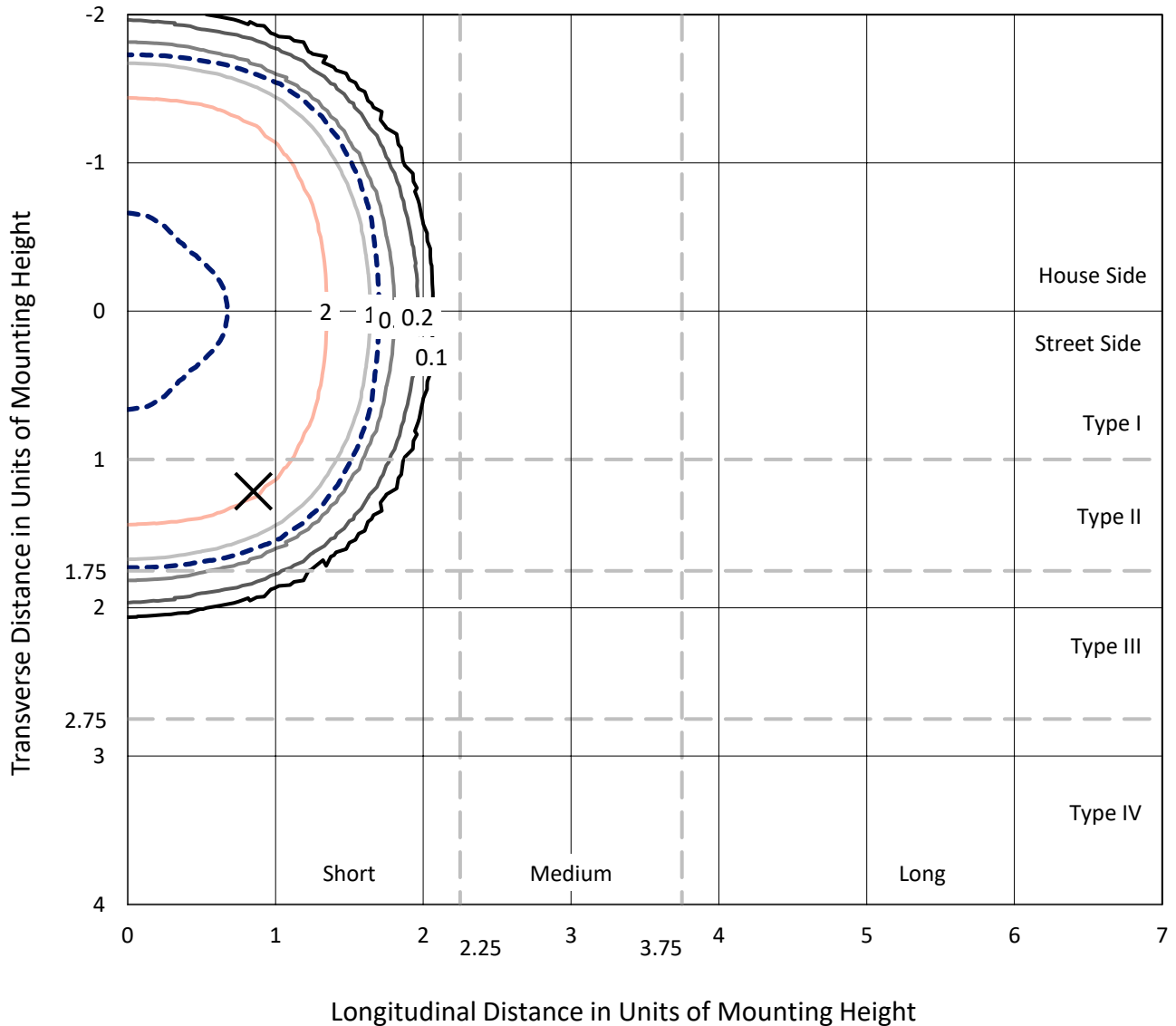
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

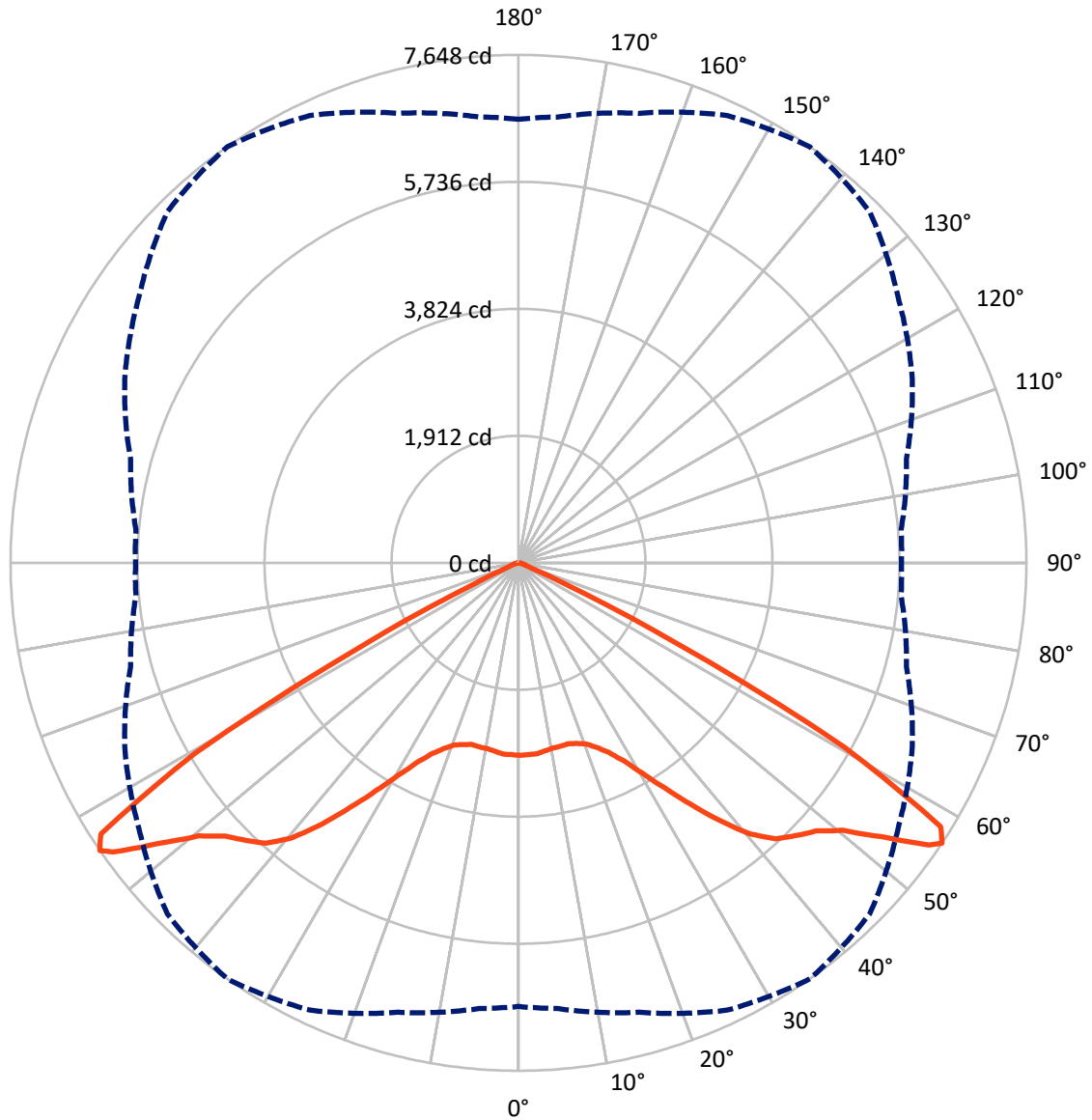
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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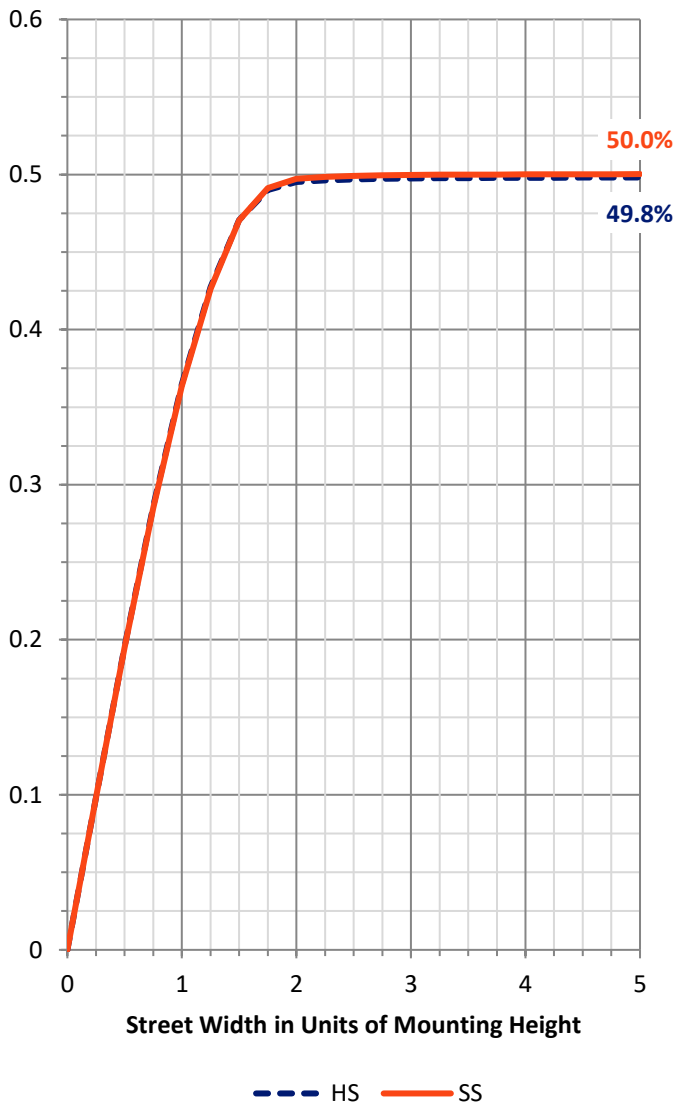
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8272.4	0.0	8272.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8272.4	0.0	8272.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16544.8	0.0	16544.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.5	1.6
10°-20°	795.5	4.8
20°-30°	1440.5	8.7
30°-40°	2671.1	16.1
40°-50°	4384.5	26.5
50°-60°	5648.5	34.1
60°-70°	1244.9	7.5
70°-80°	72.2	0.4
80°-90°	15.2	0.1
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°	16544.8	100.0
0°-180°	16544.8	100.0

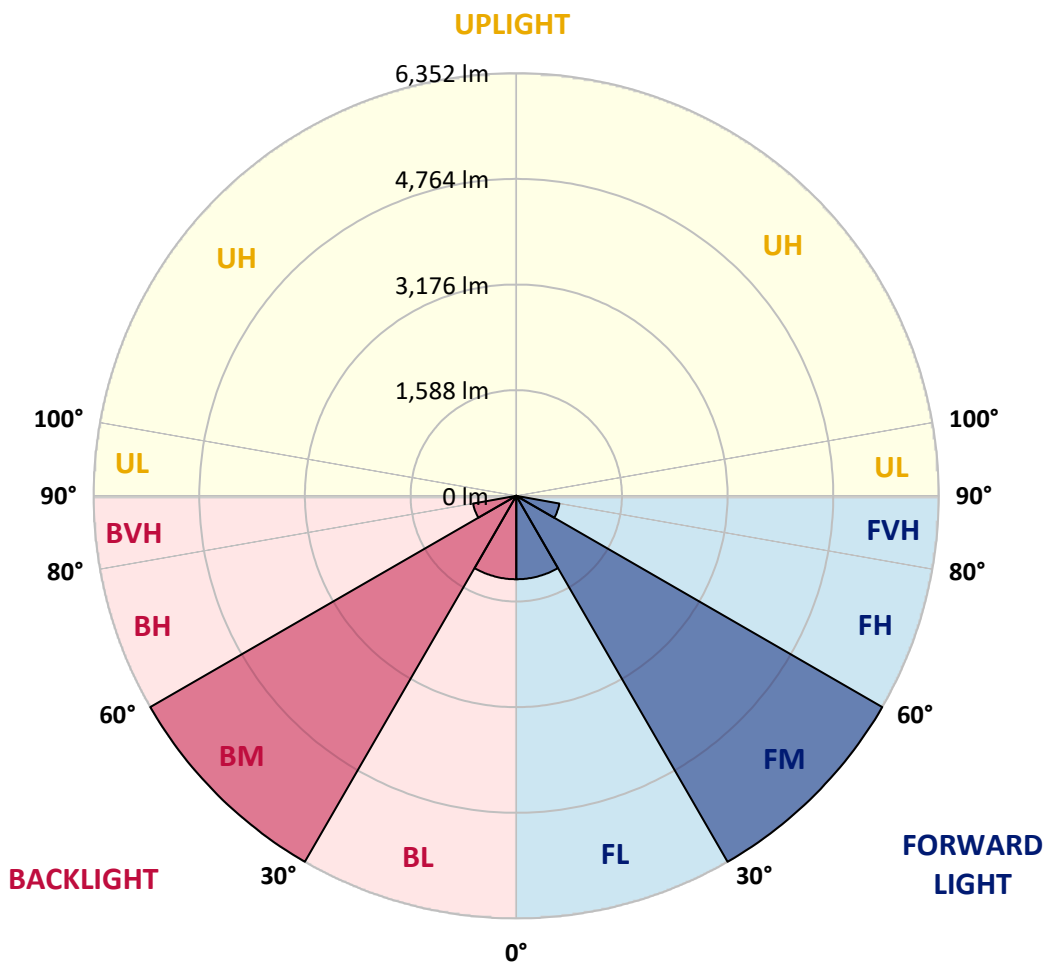


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1254.2	7.6			
FM (30°-60°)	6352.1	38.4			
FH (60°-80°)	658.5	4.0			G0/660
FVH (80°-90°)	7.6	0.0			G0/10
BL (0°-30°)	1254.2	7.6	B3/2500		
BM (30°-60°)	6352.1	38.4	B4/8500		
BH (60°-80°)	658.5	4.0	B2/1000		G0/660
BVH (80°-90°)	7.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0	2899.0
2.5°	2905.0	2905.0	2908.0	2911.0	2890.0	2881.0	2884.0	2878.0	2875.0	2884.0	2884.0
5°	2896.0	2896.0	2887.0	2890.0	2890.0	2863.0	2863.0	2869.0	2869.0	2851.1	2845.0
7.5°	2872.0	2866.0	2854.0	2869.0	2860.1	2860.1	2839.1	2824.0	2818.1	2830.1	2818.1
10°	2821.1	2824.0	2836.0	2842.1	2836.0	2854.0	2818.1	2797.1	2776.1	2767.1	2767.1
12.5°	2797.1	2815.0	2797.1	2812.1	2833.1	2818.1	2797.1	2782.1	2752.1	2740.1	2740.1
15°	2794.1	2806.0	2812.1	2833.1	2824.0	2830.1	2788.1	2770.1	2725.2	2704.2	2695.2
17.5°	2791.1	2806.0	2815.0	2854.0	2860.1	2863.0	2830.1	2776.1	2737.1	2716.1	2695.2
20°	2824.0	2830.1	2848.0	2887.0	2911.0	2952.9	2893.0	2836.0	2752.1	2728.1	2719.1
22.5°	2866.0	2896.0	2914.0	2956.0	3018.9	3054.9	2977.0	2905.0	2818.1	2788.1	2752.1
25°	3000.9	2995.0	3024.9	3111.9	3162.9	3189.8	3126.8	3021.9	2908.0	2872.0	2878.0
27.5°	3168.8	3174.8	3201.8	3297.8	3372.7	3414.7	3339.7	3201.8	3090.9	3030.9	3024.9
30°	3387.6	3381.7	3411.7	3540.6	3675.5	3738.4	3606.5	3444.7	3336.7	3258.8	3276.8
32.5°	3618.5	3621.5	3705.5	3822.4	4041.2	4164.2	3951.3	3753.4	3591.5	3537.6	3510.6
35°	3960.3	3975.3	4041.2	4221.1	4464.0	4622.8	4388.9	4152.2	3966.3	3867.3	3879.3
37.5°	4383.0	4368.0	4478.9	4673.8	4928.6	5045.5	4847.6	4577.8	4388.9	4323.0	4365.0
40°	4832.7	4847.6	4904.6	5081.5	5366.3	5444.3	5150.4	5003.5	4838.7	4805.7	4856.6
42.5°	5282.4	5273.3	5315.3	5474.3	5681.1	5627.1	5453.3	5366.3	5249.4	5183.5	5252.4
45°	5612.2	5597.1	5675.1	5783.0	5857.9	5756.1	5678.1	5648.1	5588.1	5516.2	5579.2
47.5°	5932.9	5920.9	5995.9	6025.8	6031.8	5896.9	5912.0	5965.9	5816.0	5666.1	5738.1
50°	6205.7	6184.8	6277.7	6343.6	6328.7	6112.8	6166.8	6112.8	5878.9	5702.0	5675.1
52.5°	6661.4	6670.4	6769.3	6889.2	6853.3	6673.4	6595.4	6349.7	6049.8	5891.0	5798.0
55°	6949.2	6904.3	7075.1	7455.9	7497.9	7312.0	6967.2	6604.4	6154.8	5959.9	5935.9
56°	6679.4	6736.4	7006.2	7431.8	7647.7	7476.9	6976.2	6541.5	6046.8	5783.0	5765.0
57.5°	5992.8	5962.9	6328.7	6910.2	7497.9	7425.9	6730.4	6091.8	5516.2	5219.4	5183.5
60°	3729.4	3816.3	4137.1	4856.6	5642.1	5678.1	4988.6	4439.9	3768.4	3504.6	3567.5
62.5°	1460.0	1385.0	1585.9	2122.6	2662.2	2782.1	2521.3	2095.5	1720.8	1460.0	1442.0
65°	338.8	329.8	371.8	512.6	716.5	830.4	788.5	566.6	416.7	395.7	365.7
67.5°	191.8	191.8	182.9	182.9	200.8	212.8	203.9	200.8	209.8	218.8	215.9
70°	134.9	131.9	125.9	128.9	122.9	122.9	131.9	146.9	158.9	158.9	161.9
72.5°	81.0	81.0	81.0	90.0	90.0	90.0	98.9	111.0	113.9	111.0	107.9
75°	35.9	35.9	42.0	51.0	56.9	60.0	69.0	74.9	81.0	74.9	69.0
77.5°	9.0	9.0	15.0	21.0	27.0	33.0	44.9	53.9	56.9	53.9	44.9
80°	3.0	3.0	6.0	15.0	27.0	33.0	44.9	48.0	51.0	44.9	35.9
82.5°	3.0	3.0	6.0	15.0	21.0	27.0	35.9	42.0	44.9	39.0	35.9
85°	0.0	3.0	6.0	12.0	18.0	24.0	24.0	18.0	15.0	9.0	12.0
87.5°	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)