

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: P647039

Luminaire Tested: **GALN-SA7C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19999.4 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

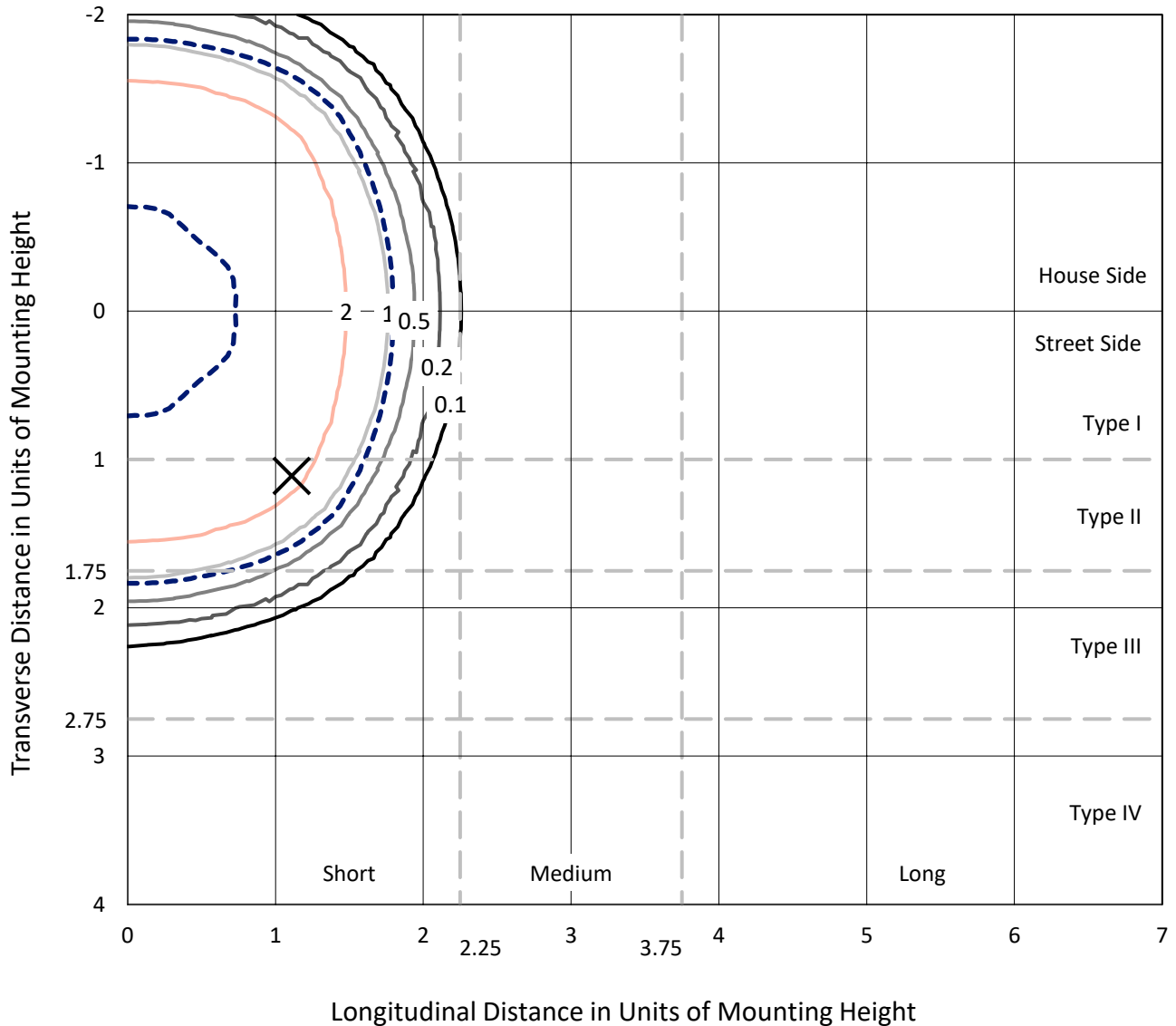
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647039
 CATALOG NUMBER: GALN-SA7C-835-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

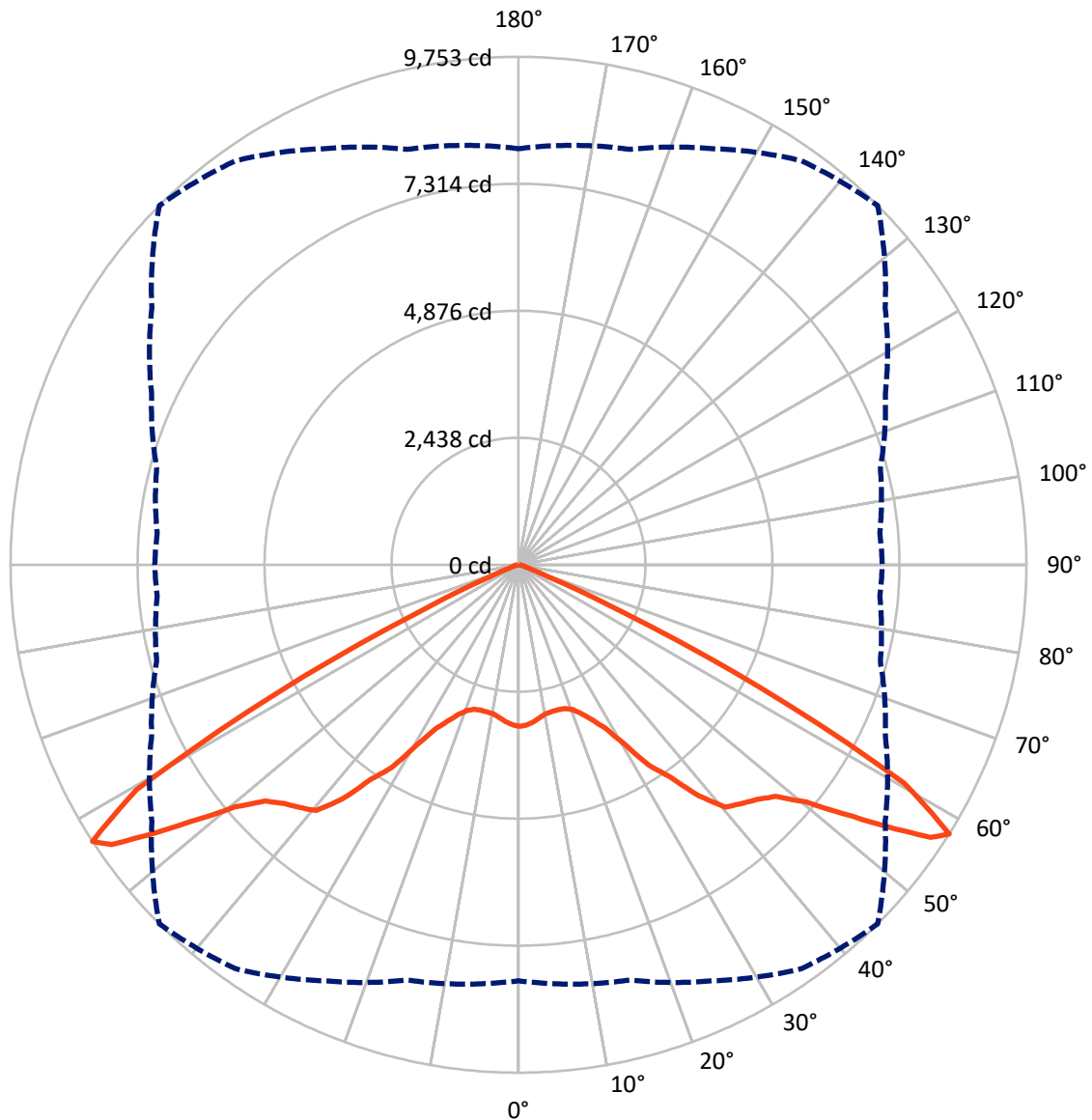
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P647039
CATALOG NUMBER: GALN-SA7C-835-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P647039
 CATALOG NUMBER: GALN-SA7C-835-U-5WQ-GRSBK

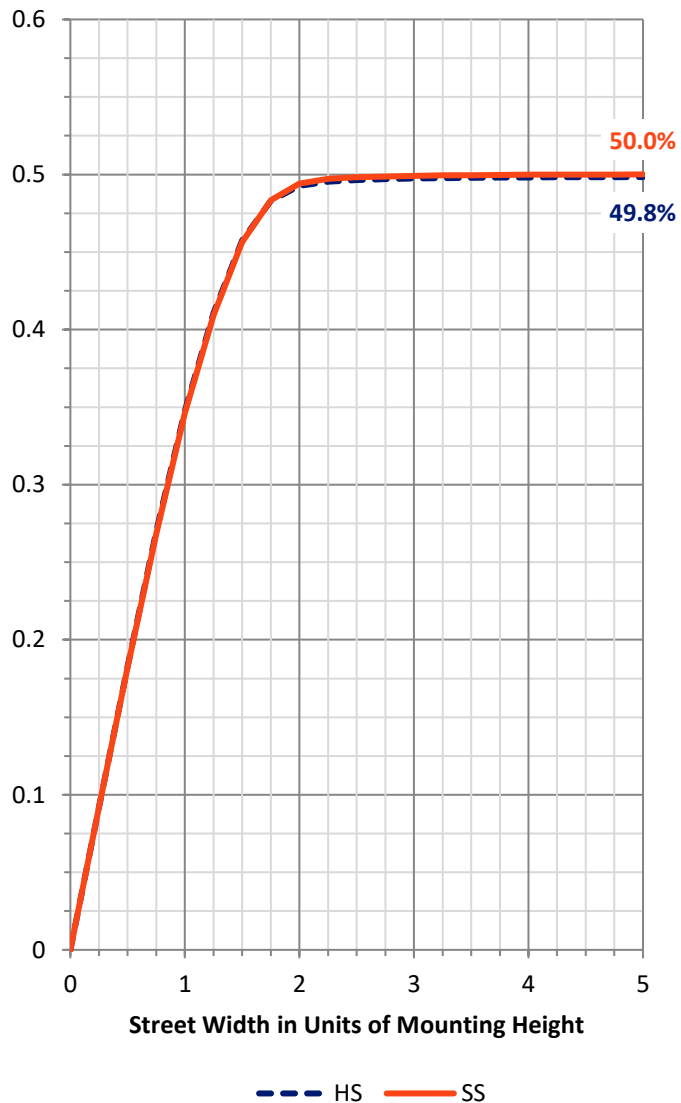
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9999.7	0.0	9999.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9999.7	0.0	9999.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	19999.4	0.0	19999.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.4
10°-20°	824.0	4.1
20°-30°	1521.0	7.6
30°-40°	2991.2	15.0
40°-50°	4871.8	24.4
50°-60°	6947.7	34.7
60°-70°	2405.5	12.0
70°-80°	129.1	0.6
80°-90°	24.2	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°	19999.4	100.0
0°-180°	19999.4	100.0

Coefficient of Utilization

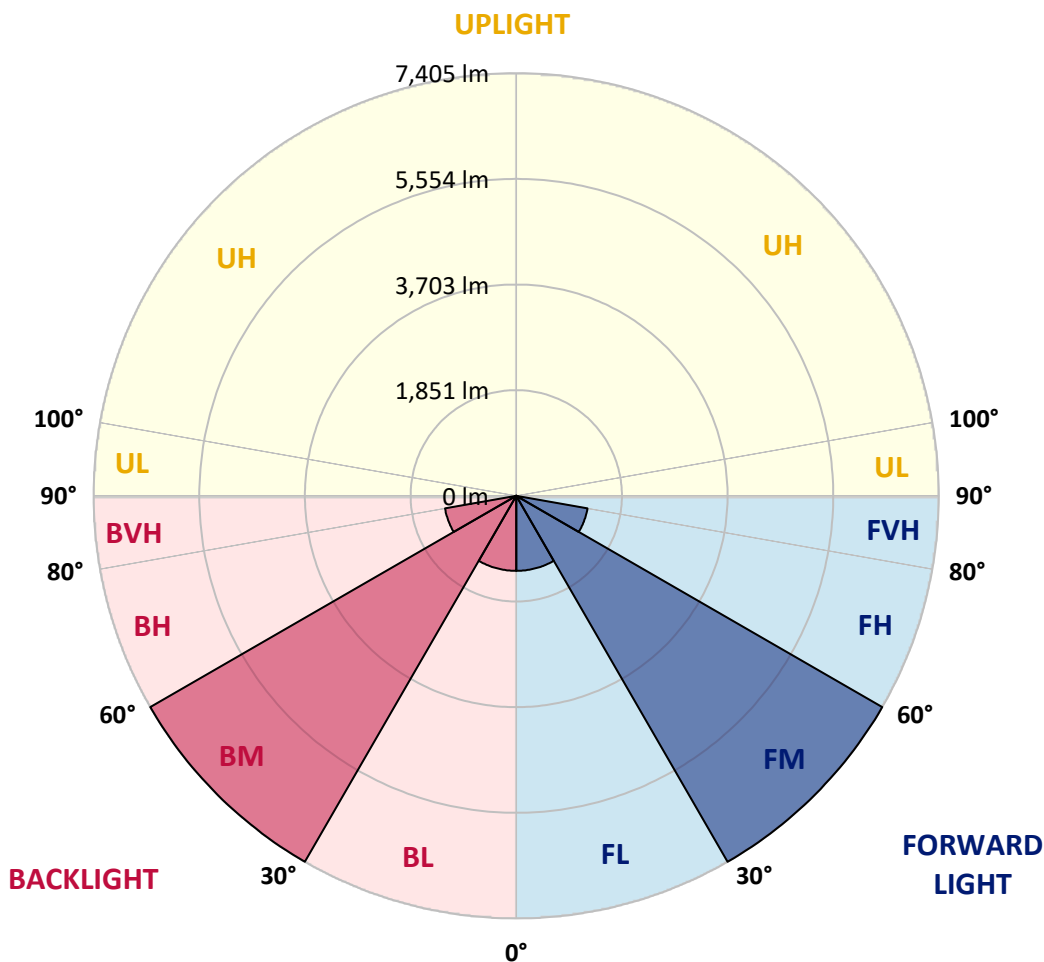


REPORT NUMBER: P647039
 CATALOG NUMBER: GALN-SA7C-835-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.0	6.6			
FM (30°-60°)	7405.3	37.0			
FH (60°-80°)	1267.3	6.3			G1/1800
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	1315.0	6.6	B3/2500		
BM (30°-60°)	7405.3	37.0	B4/8500		
BH (60°-80°)	1267.3	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





REPORT NUMBER: P647039

CATALOG NUMBER: GALN-SA7C-835-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1	3102.1
2.5°	3093.8	3110.5	3089.6	3081.3	3077.1	3077.1	3064.6	3064.6	3060.4	3064.6	3047.9
5°	3043.8	3060.4	3060.4	3056.3	3031.2	3027.1	3014.6	3006.3	3010.4	2993.7	3006.3
7.5°	2993.7	3006.3	2989.6	2985.3	2977.0	2960.4	2956.2	2918.6	2922.9	2922.9	2931.2
10°	2985.3	2981.2	2956.2	2935.3	2910.3	2906.2	2893.7	2885.3	2885.3	2881.1	2893.7
12.5°	2985.3	2964.5	2960.4	2914.5	2872.8	2889.5	2856.1	2835.2	2864.4	2872.8	2889.5
15°	2981.2	3002.0	2931.2	2910.3	2881.1	2885.3	2856.1	2835.2	2851.9	2860.3	2872.8
17.5°	3006.3	2993.7	2972.9	2931.2	2918.6	2902.0	2864.4	2847.8	2847.8	2868.6	2872.8
20°	3073.0	3039.6	2997.9	2977.0	2989.6	2968.7	2922.9	2860.3	2877.0	2893.7	2906.2
22.5°	3135.4	3110.5	3081.3	3068.7	3139.7	3106.3	3027.1	2956.2	2931.2	2960.4	2981.2
25°	3256.4	3256.4	3202.2	3218.8	3298.1	3302.2	3210.5	3085.4	3068.7	3081.3	3089.6
27.5°	3502.4	3514.9	3469.0	3485.7	3519.0	3548.2	3469.0	3364.8	3327.3	3323.1	3335.6
30°	3769.2	3794.3	3790.1	3861.0	3956.9	3973.6	3856.8	3685.8	3573.3	3552.4	3569.1
32.5°	4119.4	4132.0	4123.7	4207.1	4465.5	4586.4	4282.1	4040.3	3890.2	3927.7	3890.2
35°	4778.3	4765.7	4674.0	4690.7	4903.4	4990.9	4699.0	4544.8	4473.9	4548.9	4532.2
37.5°	5345.3	5299.4	5224.4	5332.8	5553.8	5633.0	5328.6	5057.6	4928.4	5053.5	5107.7
40°	5824.8	5708.1	5603.9	5712.2	6008.3	6116.6	5670.6	5449.5	5399.5	5491.3	5608.0
42.5°	6229.2	6154.2	6016.6	6025.0	6220.9	6271.0	5912.4	5783.1	5733.0	5879.0	5937.4
45°	6516.9	6446.0	6316.8	6308.5	6458.6	6425.2	6104.2	6016.6	6045.8	6141.7	6170.9
47.5°	6662.9	6700.4	6625.4	6646.2	6725.4	6646.2	6391.9	6391.9	6325.2	6383.5	6354.4
50°	7084.0	6967.2	7063.1	7063.1	7146.5	7154.9	6900.5	6808.8	6629.5	6529.4	6529.4
52.5°	7576.0	7584.4	7621.9	7759.5	7901.3	8022.1	7659.4	7267.4	6967.2	6838.0	6821.3
55°	7980.4	8063.8	8213.9	8472.5	8881.0	9047.8	8422.4	7721.9	7355.0	7154.9	7113.2
56°	8201.5	8122.2	8380.7	8735.1	9268.8	9485.7	8547.5	7813.6	7409.2	7184.0	7179.9
57.5°	7988.8	8076.3	8255.6	8814.3	9469.0	9752.5	8593.3	7772.0	7192.4	6963.1	6983.9
60°	6308.5	6391.9	6633.7	7259.1	8284.8	8505.8	7271.6	6408.5	5891.5	5562.1	5566.3
62.5°	3569.1	3631.6	3819.2	4398.8	5036.8	5249.4	4532.2	3956.9	3598.3	3414.8	3356.5
65°	1313.4	1288.3	1317.6	1613.6	2005.5	2184.8	1884.6	1592.8	1405.1	1338.4	1313.4
67.5°	492.0	454.5	425.3	454.5	571.2	604.6	554.5	462.8	433.6	446.2	454.5
70°	304.4	287.7	229.3	216.8	212.7	208.5	221.0	233.5	266.8	312.7	321.0
72.5°	212.7	200.1	162.6	154.3	146.0	141.8	162.6	179.3	208.5	241.9	246.0
75°	83.4	87.5	83.4	91.8	95.9	100.1	116.7	129.3	141.8	141.8	137.6
77.5°	16.7	16.7	25.1	33.4	41.7	54.2	79.2	91.8	95.9	91.8	79.2
80°	0.0	0.0	8.4	16.7	33.4	45.9	70.9	79.2	87.5	79.2	62.6
82.5°	0.0	0.0	8.4	20.8	33.4	41.7	66.7	83.4	95.9	87.5	66.7
85°	0.0	0.0	8.4	16.7	25.1	29.2	29.2	20.8	20.8	12.5	8.4
87.5°	0.0	0.0	0.0	0.0	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)