

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: P648634

Luminaire Tested: **GALN-SA9B-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648634
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-SA9B-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 800mA 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: 21069 lumens
Efficiency: N/A
Efficacy: 57.9 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

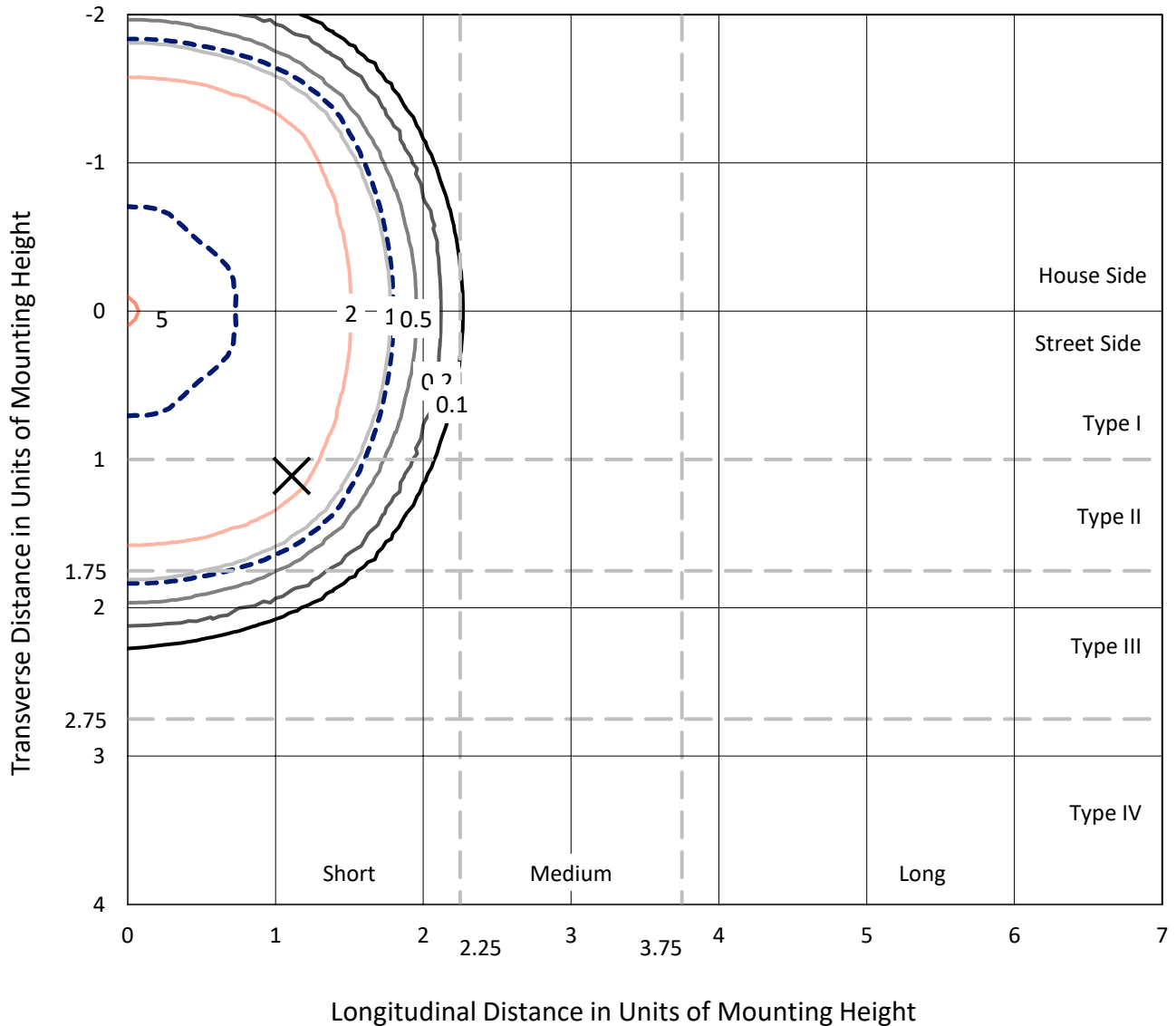
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648634
 CATALOG NUMBER: GALN-SA9B-835-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

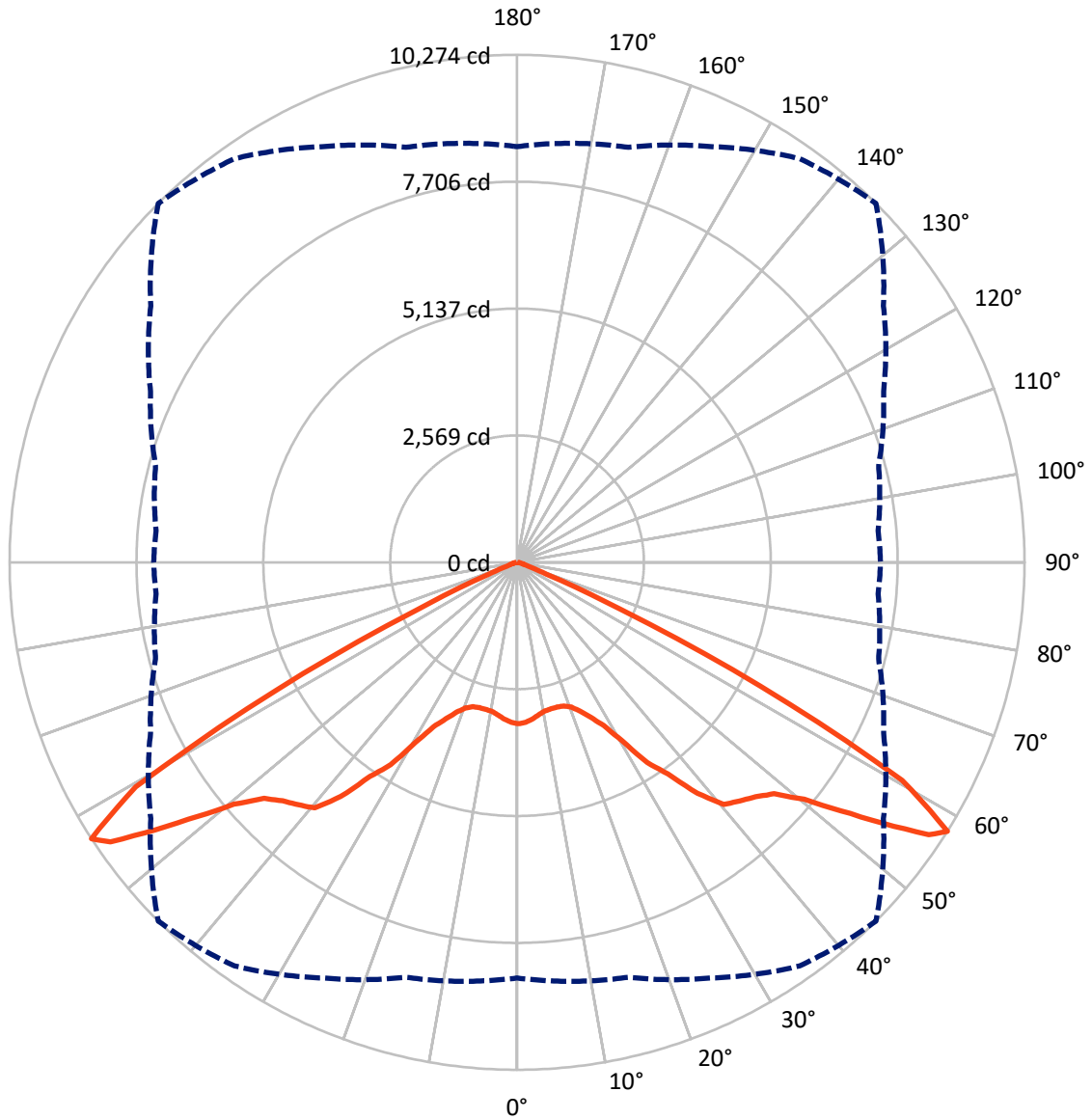
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P648634
CATALOG NUMBER: GALN-SA9B-835-U-5WQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648634
 CATALOG NUMBER: GALN-SA9B-835-U-5WQ-GRSBK

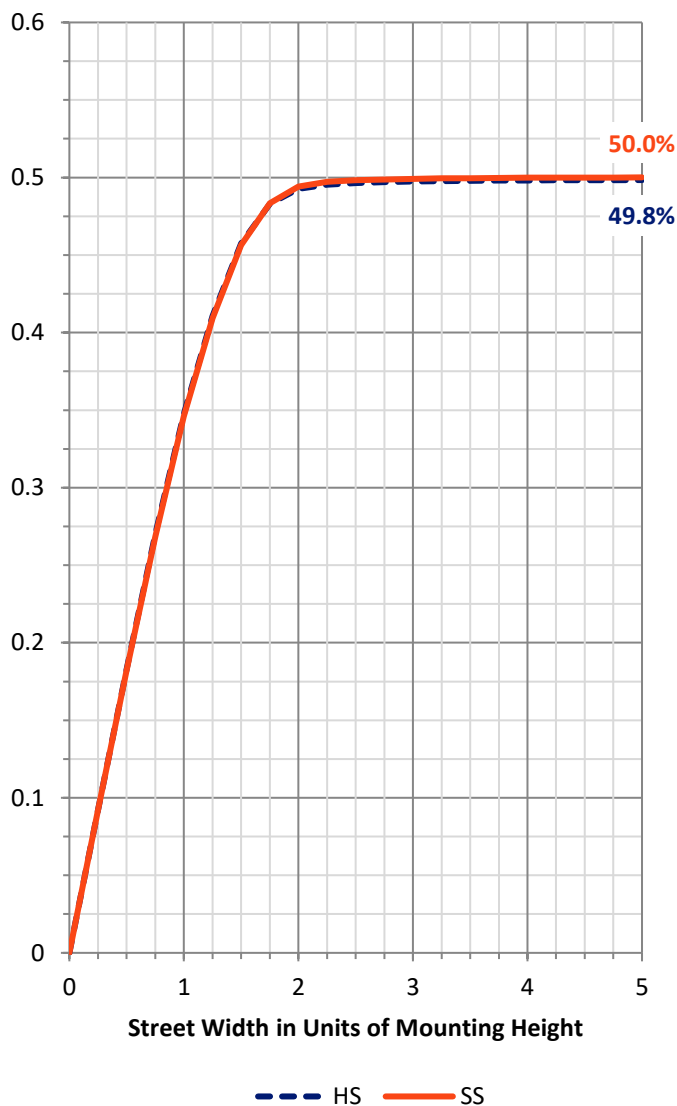
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10534.5	0.0	10534.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10534.5	0.0	10534.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21069.0	0.0	21069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	1.4
10°-20°	868.0	4.1
20°-30°	1602.3	7.6
30°-40°	3151.1	15.0
40°-50°	5132.3	24.4
50°-60°	7319.3	34.7
60°-70°	2534.1	12.0
70°-80°	135.9	0.6
80°-90°	25.5	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°	21069.0	100.0
0°-180°	21069.0	100.0

Coefficient of Utilization



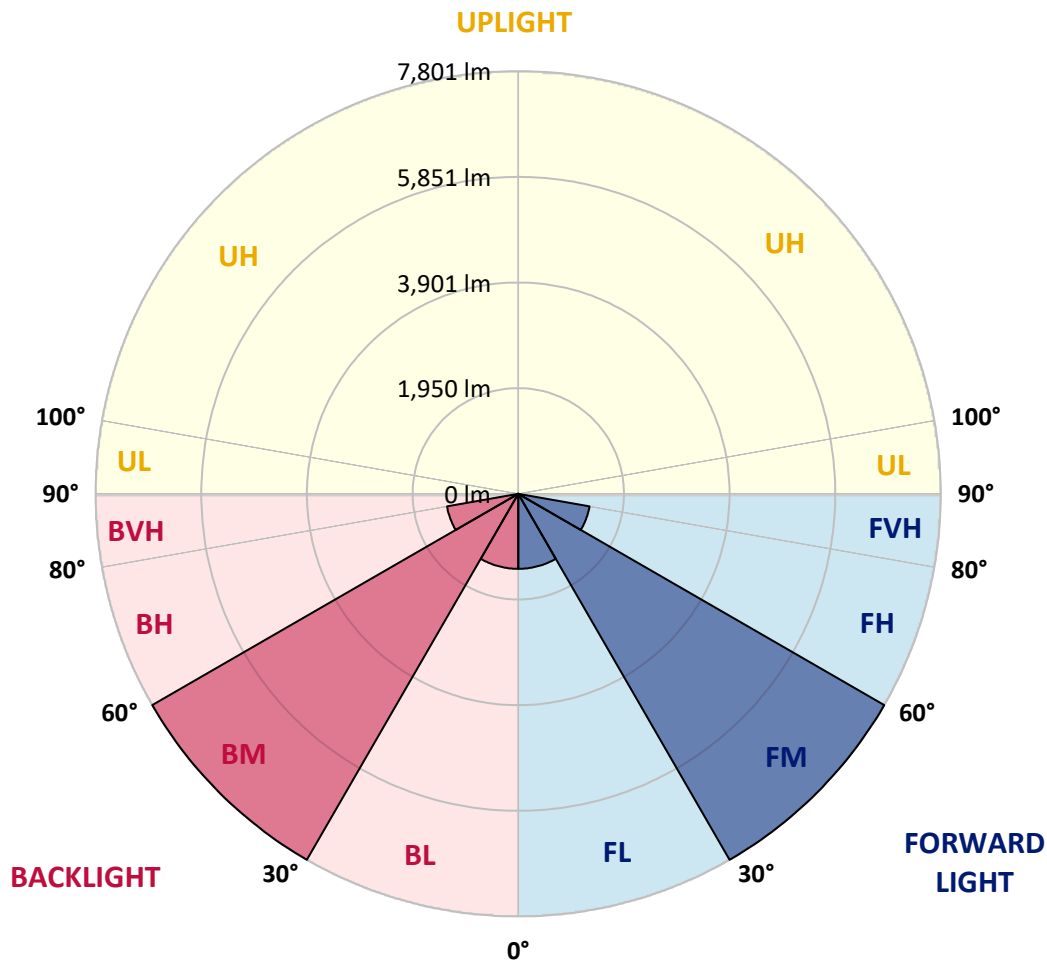
REPORT NUMBER: P648634
 CATALOG NUMBER: GALN-SA9B-835-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1385.3	6.6			
FM (30°-60°)	7801.4	37.0			
FH (60°-80°)	1335.0	6.3			G1/1800
FVH (80°-90°)	12.8	0.1			G1/100
BL (0°-30°)	1385.3	6.6	B3/2500		
BM (30°-60°)	7801.4	37.0	B4/8500		
BH (60°-80°)	1335.0	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.8	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: P648634

CATALOG NUMBER: GALN-SA9B-835-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0
2.5°	3259.2	3276.8	3254.9	3246.1	3241.7	3241.7	3228.5	3228.5	3224.1	3228.5	3210.9
5°	3206.5	3224.1	3224.1	3219.7	3193.3	3188.9	3175.8	3167.0	3171.4	3153.8	3167.0
7.5°	3153.8	3167.0	3149.4	3145.0	3136.2	3118.7	3114.3	3074.8	3079.1	3079.1	3087.9
10°	3145.0	3140.6	3114.3	3092.3	3066.0	3061.6	3048.4	3039.6	3039.6	3035.2	3048.4
12.5°	3145.0	3123.1	3118.7	3070.4	3026.5	3044.0	3008.8	2986.9	3017.7	3026.5	3044.0
15°	3140.6	3162.6	3087.9	3066.0	3035.2	3039.6	3008.8	2986.9	3004.4	3013.2	3026.5
17.5°	3167.0	3153.8	3131.8	3087.9	3074.8	3057.1	3017.7	3000.1	3000.1	3022.1	3026.5
20°	3237.2	3202.2	3158.2	3136.2	3149.4	3127.5	3079.1	3013.2	3030.8	3048.4	3061.6
22.5°	3303.2	3276.8	3246.1	3232.9	3307.5	3272.4	3188.9	3114.3	3087.9	3118.7	3140.6
25°	3430.6	3430.6	3373.4	3391.0	3474.5	3478.9	3382.2	3250.5	3232.9	3246.1	3254.9
27.5°	3689.7	3702.9	3654.6	3672.1	3707.3	3738.0	3654.6	3544.7	3505.2	3500.8	3514.0
30°	3970.8	3997.1	3992.8	4067.5	4168.5	4186.1	4063.1	3883.0	3764.4	3742.4	3760.0
32.5°	4339.8	4352.9	4344.2	4432.0	4704.3	4831.7	4511.1	4256.3	4098.2	4137.8	4098.2
35°	5033.8	5020.6	4924.0	4941.6	5165.6	5257.8	4950.4	4787.8	4713.1	4792.2	4774.7
37.5°	5631.2	5582.9	5503.8	5618.0	5850.8	5934.3	5613.6	5328.1	5191.9	5323.7	5380.8
40°	6136.3	6013.4	5903.5	6017.7	6329.6	6443.8	5973.8	5741.0	5688.3	5784.9	5907.9
42.5°	6562.4	6483.3	6338.4	6347.2	6553.6	6606.3	6228.5	6092.4	6039.7	6193.5	6254.9
45°	6865.5	6790.8	6654.6	6645.9	6804.0	6768.8	6430.6	6338.4	6369.2	6470.2	6500.9
47.5°	7019.2	7058.7	6979.7	7001.7	7085.1	7001.7	6733.7	6733.7	6663.4	6724.9	6694.2
50°	7462.9	7339.8	7440.8	7440.8	7528.7	7537.5	7269.6	7173.0	6984.0	6878.7	6878.7
52.5°	7981.2	7990.0	8029.5	8174.4	8323.8	8451.2	8069.0	7656.1	7339.8	7203.7	7186.1
55°	8407.2	8495.1	8653.2	8925.6	9356.0	9531.7	8872.9	8134.9	7748.3	7537.5	7493.6
56°	8640.0	8556.5	8829.0	9202.3	9764.5	9993.0	9004.6	8231.5	7805.5	7568.2	7563.9
57.5°	8416.0	8508.2	8697.2	9285.8	9975.3	10274.1	9053.0	8187.6	7577.1	7335.5	7357.5
60°	6645.9	6733.7	6988.4	7647.3	8727.9	8960.7	7660.5	6751.3	6206.6	5859.6	5864.0
62.5°	3760.0	3825.9	4023.5	4634.1	5306.2	5530.2	4774.7	4168.5	3790.7	3597.4	3535.9
65°	1383.6	1357.3	1388.0	1699.9	2112.8	2301.7	1985.4	1678.0	1480.3	1410.0	1383.6
67.5°	518.3	478.8	448.0	478.8	601.7	636.9	584.2	487.6	456.8	470.0	478.8
70°	320.6	303.1	241.6	228.4	224.0	219.6	232.8	246.0	281.1	329.4	338.3
72.5°	224.0	210.9	171.3	162.6	153.7	149.3	171.3	188.9	219.6	254.8	259.2
75°	87.9	92.2	87.9	96.6	101.0	105.4	123.0	136.2	149.3	149.3	144.9
77.5°	17.5	17.5	26.4	35.2	43.9	57.1	83.5	96.6	101.0	96.6	83.5
80°	0.0	0.0	8.8	17.5	35.2	48.3	74.7	83.5	92.2	83.5	65.9
82.5°	0.0	0.0	8.8	21.9	35.2	43.9	70.3	87.9	101.0	92.2	70.3
85°	0.0	0.0	8.8	17.5	26.4	30.8	30.8	21.9	21.9	13.2	8.8
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)