

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: P646936

Luminaire Tested: **GALN-SA5C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17815.6 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

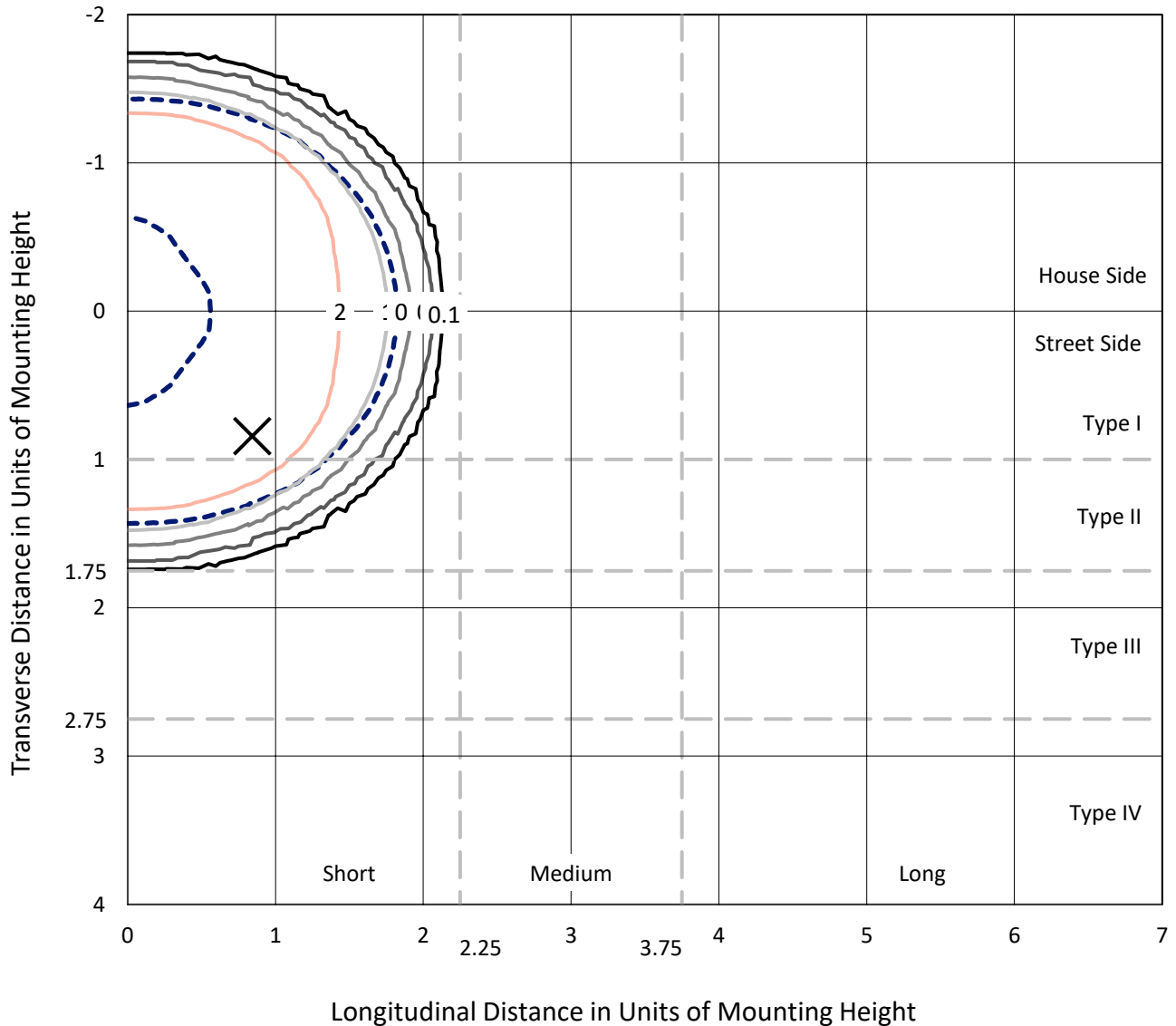
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P646936
 CATALOG NUMBER: GALN-SA5C-835-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

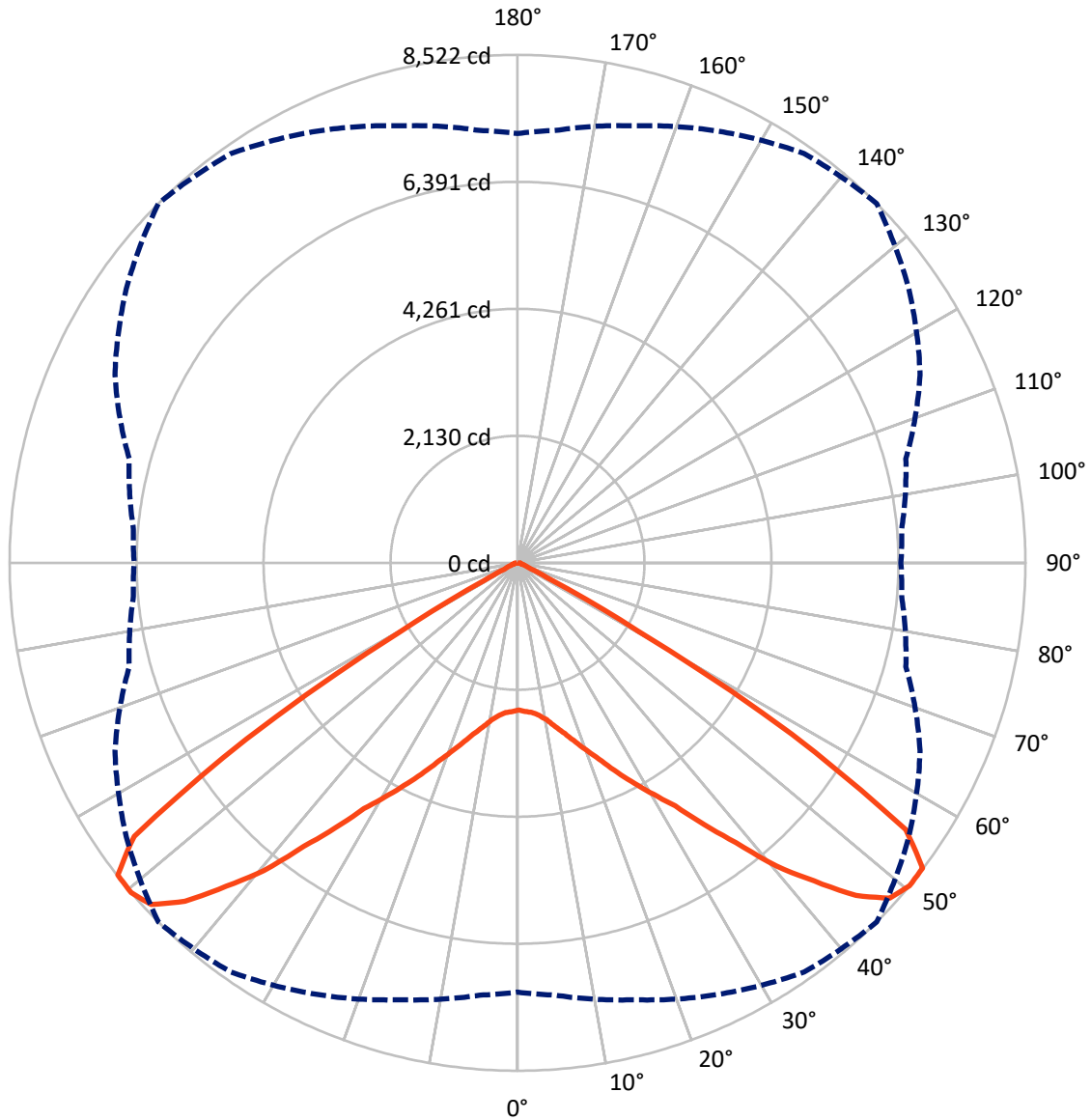
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P646936
CATALOG NUMBER: GALN-SA5C-835-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P646936
 CATALOG NUMBER: GALN-SA5C-835-U-RW-GRSBK

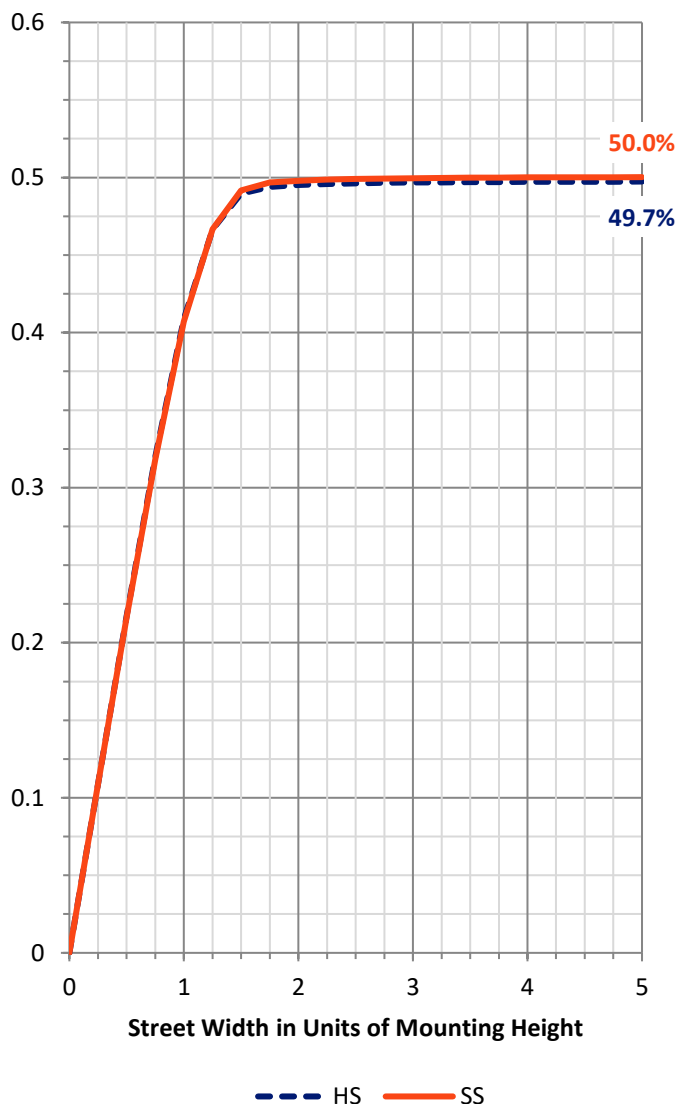
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8907.8	0.0	8907.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8907.8	0.0	8907.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17815.6	0.0	17815.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	1.4
10°-20°	846.9	4.8
20°-30°	1729.7	9.7
30°-40°	3298.5	18.5
40°-50°	5558.5	31.2
50°-60°	5301.0	29.8
60°-70°	740.0	4.2
70°-80°	70.8	0.4
80°-90°	24.5	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°	17815.6	100.0
0°-180°	17815.6	100.0

Coefficient of Utilization

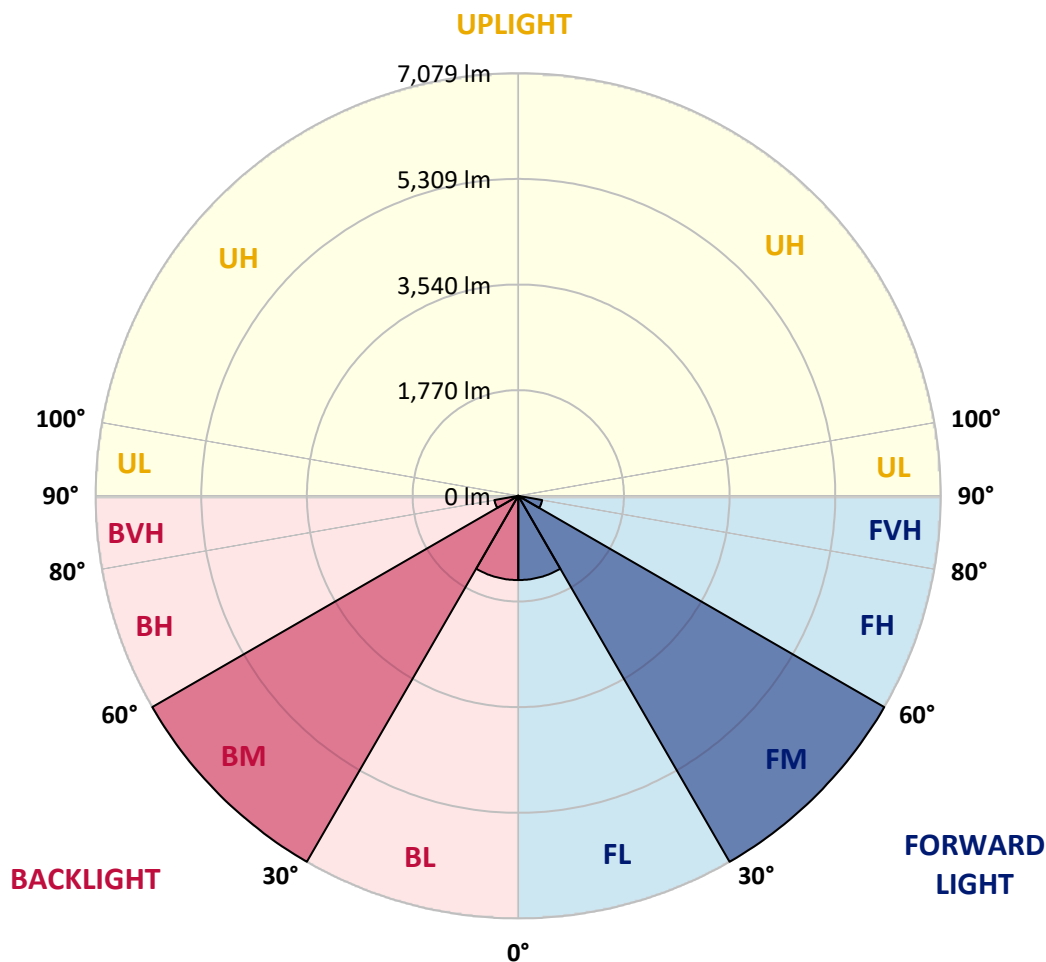


REPORT NUMBER: P646936
 CATALOG NUMBER: GALN-SA5C-835-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1411.2	7.9			
FM (30°-60°)	7079.0	39.7			
FH (60°-80°)	405.4	2.3			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	1411.2	7.9	B3/2500		
BM (30°-60°)	7079.0	39.7	B4/8500		
BH (60°-80°)	405.4	2.3	B1/500		G0/660
BVH (80°-90°)	12.2	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: P646936

CATALOG NUMBER: GALN-SA5C-835-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0	2470.0
2.5°	2461.0	2461.0	2457.9	2482.0	2470.0	2496.9	2493.9	2502.9	2511.9	2508.9	2532.8
5°	2440.0	2436.9	2436.9	2463.9	2491.0	2520.9	2547.9	2565.9	2595.8	2595.8	2625.8
7.5°	2461.0	2445.9	2466.9	2478.9	2529.9	2580.8	2625.8	2661.8	2730.7	2754.7	2745.7
10°	2466.9	2484.9	2499.9	2535.9	2598.9	2676.8	2715.8	2805.6	2883.6	2937.6	2949.6
12.5°	2505.9	2532.8	2574.8	2661.8	2718.7	2820.7	2874.6	2961.5	3069.4	3129.4	3171.4
15°	2580.8	2589.9	2643.8	2754.7	2877.6	2970.5	3054.5	3117.4	3222.3	3291.3	3294.2
17.5°	2676.8	2715.8	2790.7	2895.6	3024.5	3162.4	3228.3	3297.2	3336.2	3429.1	3450.1
20°	2868.6	2874.6	2946.5	3084.4	3246.3	3372.1	3420.1	3456.1	3441.1	3537.0	3555.1
22.5°	3048.5	3054.5	3144.4	3330.3	3504.1	3612.0	3633.0	3612.0	3567.0	3635.9	3642.0
25°	3231.3	3285.2	3351.2	3537.0	3752.8	3896.8	3899.7	3842.8	3749.9	3761.8	3791.8
27.5°	3516.1	3555.1	3624.0	3794.8	4031.7	4193.5	4166.5	4097.6	3977.6	3986.6	3977.6
30°	3848.8	3884.8	3941.7	4160.5	4334.4	4511.3	4550.2	4484.2	4304.4	4265.5	4310.4
32.5°	4250.4	4301.4	4406.3	4607.2	4754.1	4862.0	4888.9	4864.9	4697.1	4682.1	4712.1
35°	4739.0	4808.0	4903.9	5080.7	5200.7	5395.5	5395.5	5314.5	5161.7	5179.7	5176.6
37.5°	5254.6	5356.5	5506.4	5686.2	5848.1	5953.0	5920.0	5851.1	5698.2	5659.3	5698.2
40°	5902.1	5953.0	6141.9	6375.7	6573.5	6693.4	6552.5	6402.7	6036.9	6093.9	6198.9
42.5°	6492.6	6573.5	6717.4	6975.2	7200.0	7298.9	7131.0	6834.3	6393.7	6348.7	6426.6
45°	6996.2	7083.1	7272.0	7640.6	7877.4	7964.4	7592.7	7113.1	6609.5	6495.6	6528.6
47.5°	7331.9	7376.8	7640.6	7991.3	8207.2	8405.0	7871.4	7304.9	6711.4	6495.6	6483.6
50°	7203.0	7280.9	7589.7	7988.3	8381.0	8521.9	8012.3	7451.8	6744.4	6468.6	6432.7
52.5°	6396.6	6531.6	6876.2	7412.8	8006.3	8509.9	8207.2	7403.8	6732.4	6495.6	6549.6
55°	4451.3	4454.3	4873.9	5665.2	6714.4	7901.4	7922.4	7457.8	6810.3	6663.4	6666.5
57.5°	1789.5	1879.4	2200.2	2994.5	3962.7	5425.5	6450.6	6918.2	6819.3	6783.4	6876.2
60°	452.7	455.6	554.5	845.3	1393.8	2326.1	3378.2	4571.2	5263.6	5500.4	5533.4
62.5°	230.8	233.8	257.8	299.7	380.7	623.5	1109.0	1759.6	2502.9	2880.6	2979.5
65°	188.9	188.9	203.8	224.8	227.8	239.8	287.8	410.7	596.5	677.5	686.5
67.5°	143.9	143.9	155.9	167.9	173.8	170.9	164.9	170.9	206.8	197.9	191.8
70°	89.9	92.9	98.9	110.9	116.9	119.9	122.9	128.9	146.9	152.8	146.9
72.5°	53.9	53.9	56.9	65.9	74.9	81.0	89.9	95.9	104.9	119.9	116.9
75°	24.0	24.0	30.0	39.0	48.0	56.9	65.9	74.9	81.0	89.9	92.9
77.5°	6.0	9.0	15.0	27.0	35.9	48.0	60.0	68.9	74.9	74.9	72.0
80°	3.0	3.0	12.0	21.0	39.0	51.0	65.9	72.0	81.0	74.9	65.9
82.5°	3.0	3.0	12.0	21.0	35.9	51.0	68.9	77.9	83.9	74.9	63.0
85°	0.0	3.0	9.0	18.0	30.0	35.9	30.0	21.0	12.0	12.0	9.0
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)