

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: P647971

Luminaire Tested: **GALN-SA6A-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14586.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

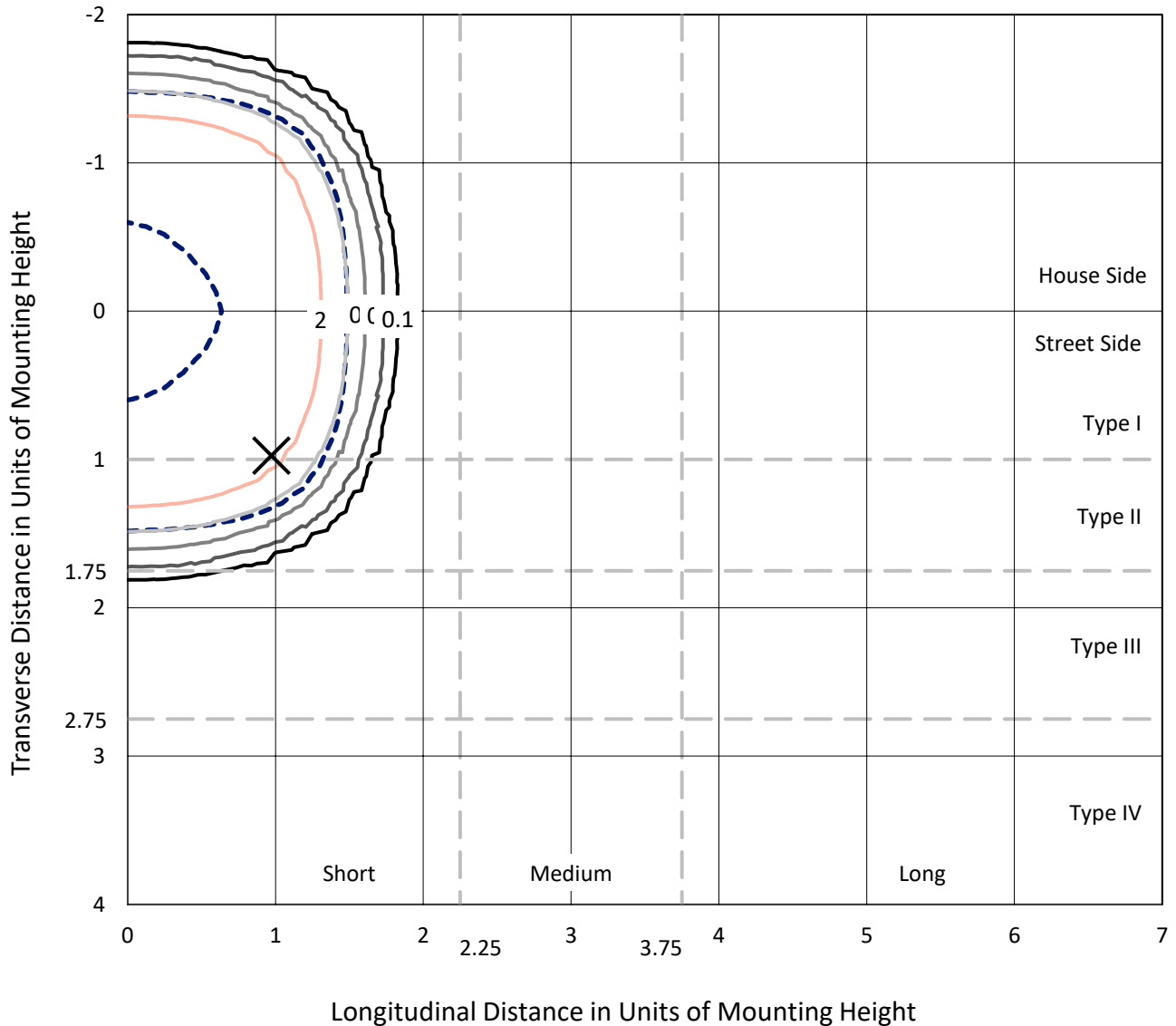
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

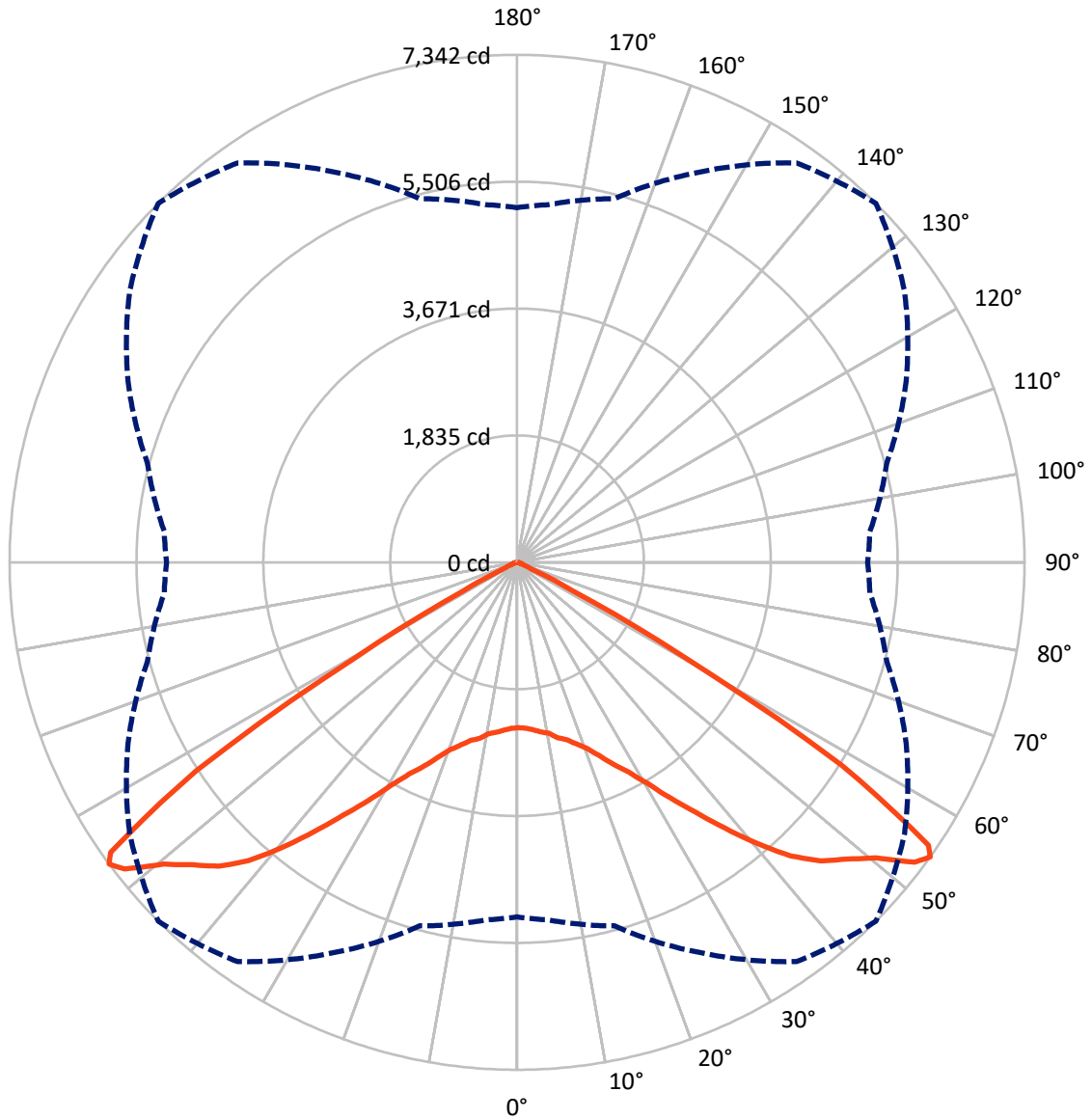
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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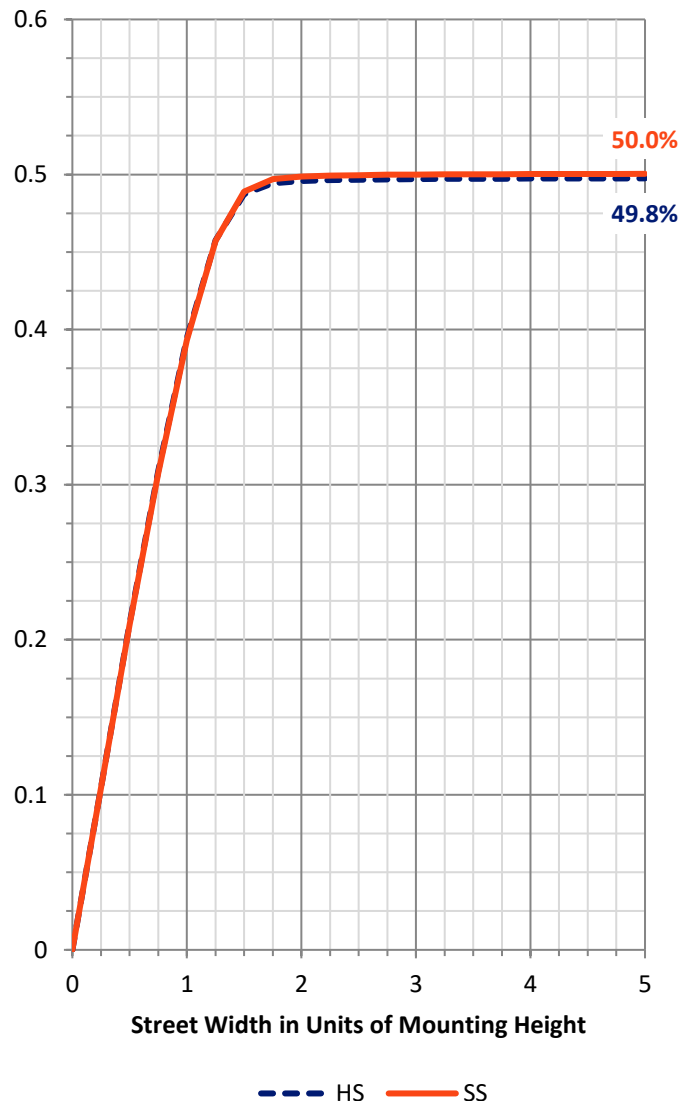
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7293.3	0.0	7293.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7293.3	0.0	7293.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14586.5	0.0	14586.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	1.6
10°-20°	758.1	5.2
20°-30°	1485.8	10.2
30°-40°	2671.8	18.3
40°-50°	4573.6	31.4
50°-60°	4425.4	30.3
60°-70°	378.8	2.6
70°-80°	44.9	0.3
80°-90°	14.1	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°	14586.5	100.0
0°-180°	14586.5	100.0

Coefficient of Utilization

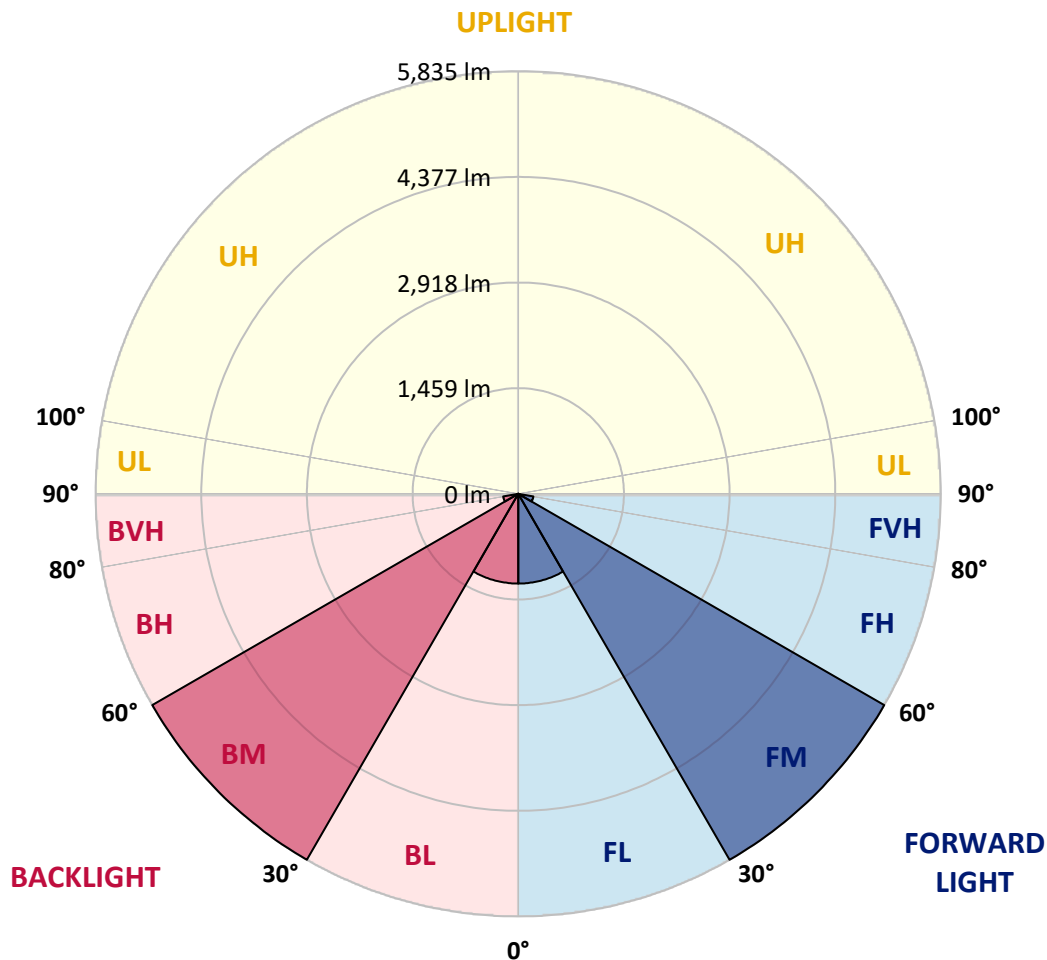


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1239.0	8.5			
FM (30°-60°)	5835.4	40.0			
FH (60°-80°)	211.9	1.5			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	1239.0	8.5	B3/2500		
BM (30°-60°)	5835.4	40.0	B4/8500		
BH (60°-80°)	211.9	1.5	B1/500		G0/660
BVH (80°-90°)	7.0	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°	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8	2391.8
2.5°	2403.3	2417.1	2407.9	2414.9	2414.9	2403.3	2410.2	2382.5	2401.0	2387.1	2389.4
5°	2440.3	2437.9	2437.9	2440.3	2431.0	2435.6	2426.4	2417.1	2410.2	2401.0	2428.7
7.5°	2486.5	2486.5	2470.3	2474.9	2470.3	2477.3	2458.8	2440.3	2433.3	2426.4	2421.7
10°	2530.4	2525.7	2518.8	2539.7	2523.5	2514.2	2505.0	2493.4	2468.0	2458.8	2449.5
12.5°	2595.1	2592.7	2583.5	2604.3	2595.1	2604.3	2569.6	2539.7	2535.0	2505.0	2521.1
15°	2671.4	2692.1	2676.0	2676.0	2671.4	2659.8	2645.9	2632.1	2590.5	2578.9	2581.2
17.5°	2770.7	2763.8	2766.1	2766.1	2789.2	2759.1	2731.4	2696.7	2676.0	2669.0	2645.9
20°	2865.5	2874.7	2872.4	2888.6	2902.4	2870.1	2840.0	2835.4	2777.6	2786.9	2754.5
22.5°	3031.9	3024.9	3036.5	3048.0	3038.7	3034.1	3006.4	2971.7	2920.9	2897.8	2893.2
25°	3207.5	3195.9	3175.1	3202.9	3216.7	3237.5	3184.4	3165.9	3087.3	3052.6	3055.0
27.5°	3357.7	3373.9	3397.0	3408.5	3443.2	3436.3	3399.2	3339.2	3279.1	3239.8	3214.4
30°	3563.4	3572.6	3611.9	3628.0	3688.1	3704.3	3646.5	3577.2	3470.9	3420.1	3390.0
32.5°	3752.8	3817.5	3815.2	3896.1	3993.1	4060.2	3956.2	3849.9	3743.6	3683.5	3630.4
35°	4060.2	4048.6	4115.6	4201.1	4358.3	4434.5	4321.3	4198.8	4037.1	3940.0	3898.4
37.5°	4346.7	4351.4	4441.5	4577.8	4758.1	4875.9	4776.5	4575.5	4409.1	4284.3	4226.6
40°	4762.7	4771.9	4864.3	5019.2	5222.5	5349.6	5234.1	5030.7	4808.9	4711.9	4711.9
42.5°	5250.2	5289.6	5349.6	5483.7	5666.2	5807.2	5703.2	5543.7	5319.5	5194.8	5213.3
45°	5751.7	5770.2	5809.5	6008.2	6093.7	6163.1	6066.0	5992.1	5841.8	5689.4	5663.9
47.5°	6220.8	6227.7	6343.3	6405.7	6472.7	6415.0	6477.3	6380.3	6211.5	6063.7	6033.6
50°	6428.8	6417.2	6581.3	6770.8	6821.7	6719.9	6666.8	6602.1	6345.6	6167.7	6089.1
52.5°	5823.3	5890.4	6195.4	6722.3	7119.7	7205.2	6895.6	6597.5	6119.1	5772.5	5719.3
54°	5130.1	5192.5	5444.4	6225.5	7052.7	7341.6	6842.4	6209.3	5534.5	5123.2	5070.0
55°	4443.8	4374.5	4832.0	5629.2	6738.4	7221.5	6632.2	5707.8	4936.0	4559.3	4485.3
57.5°	2405.6	2417.1	2803.1	3556.4	4735.0	5536.8	4889.8	3861.4	2916.3	2493.4	2456.4
60°	762.6	781.0	949.8	1437.4	2262.3	2701.4	2315.5	1550.6	1072.2	859.7	825.0
62.5°	238.0	247.3	270.4	402.1	619.3	885.0	693.3	415.9	309.7	284.2	288.8
65°	145.6	145.6	147.9	157.1	184.9	214.9	208.0	182.6	175.6	171.0	168.7
67.5°	94.7	92.5	97.1	104.0	108.6	111.0	117.8	124.8	122.5	117.8	117.8
70°	57.8	55.4	60.1	69.3	71.6	76.3	83.2	92.5	90.1	85.5	87.8
72.5°	32.3	32.3	34.7	41.6	48.5	53.2	60.1	67.0	69.3	67.0	67.0
75°	11.6	13.9	18.5	25.4	30.1	37.0	43.9	50.8	57.8	53.2	50.8
77.5°	4.6	4.6	9.2	16.2	23.1	30.1	41.6	48.5	53.2	48.5	43.9
80°	2.3	2.3	7.0	13.9	20.8	27.7	34.7	41.6	43.9	39.3	34.7
82.5°	2.3	2.3	7.0	13.9	20.8	25.4	37.0	41.6	46.2	41.6	34.7
85°	0.0	2.3	7.0	13.9	18.5	20.8	20.8	13.9	11.6	7.0	7.0
87.5°	0.0	0.0	2.3	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)