

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: P530795

Luminaire Tested: **GALN-SA6A-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530795
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-SA6A-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA 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: 16275 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

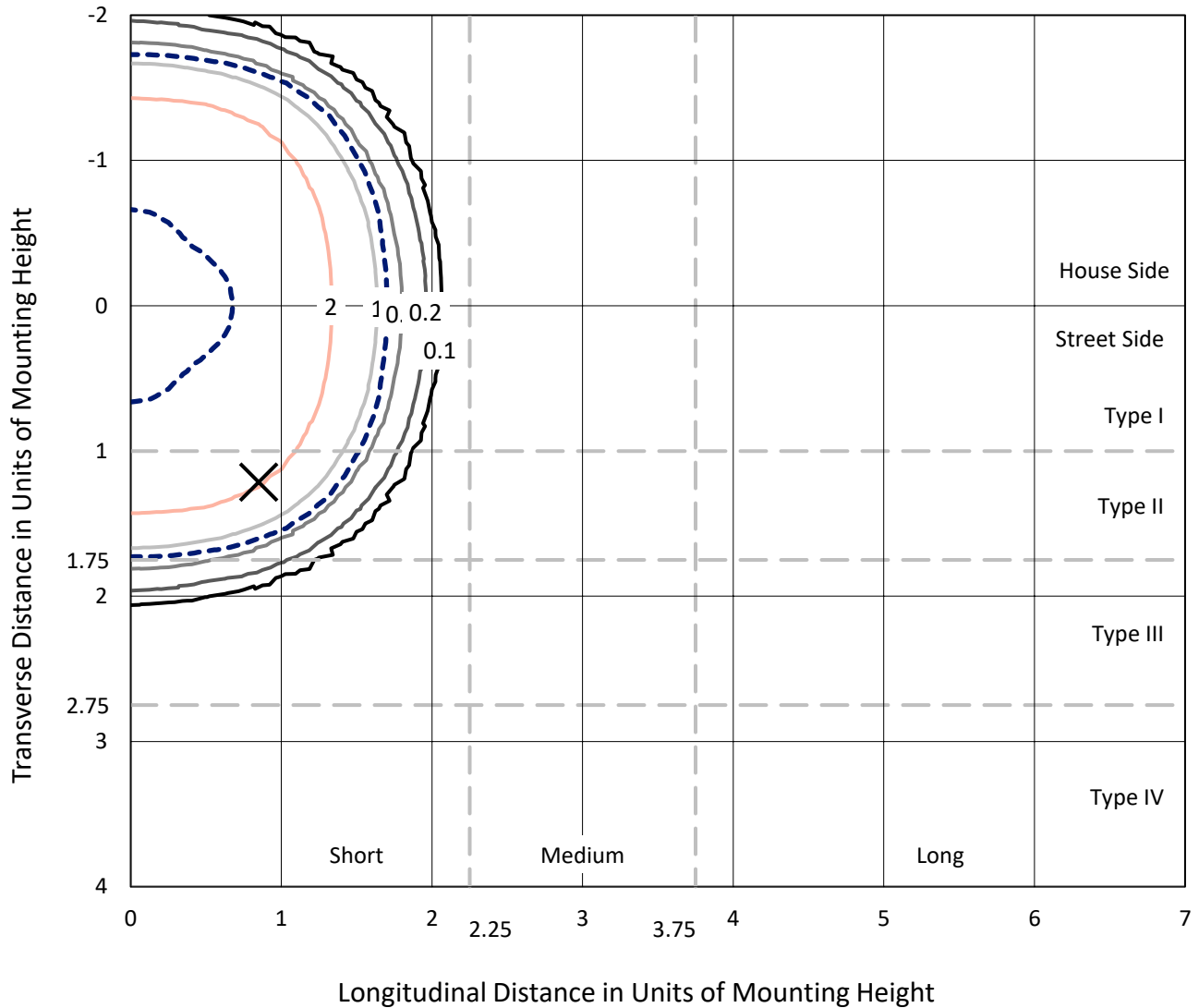
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

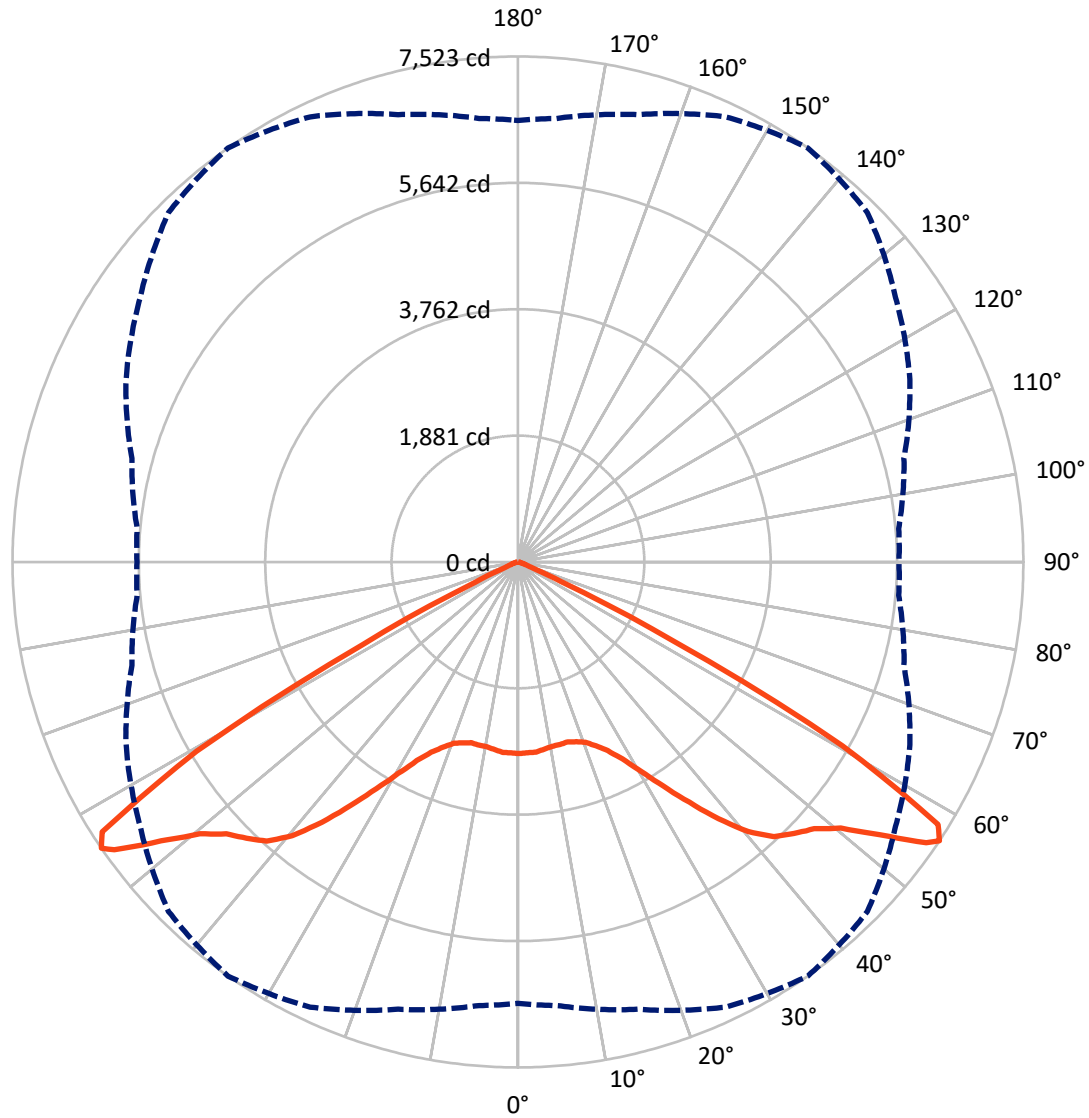
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	8137.5	0.0	8137.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8137.5	0.0	8137.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16275.0	0.0	16275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	1.6
10°-20°	782.5	4.8
20°-30°	1417.0	8.7
30°-40°	2627.6	16.1
40°-50°	4313.0	26.5
50°-60°	5556.4	34.1
60°-70°	1224.6	7.5
70°-80°	71.0	0.4
80°-90°	14.9	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°	16275.0	100.0
0°-180°	16275.0	100.0

Coefficient of Utilization

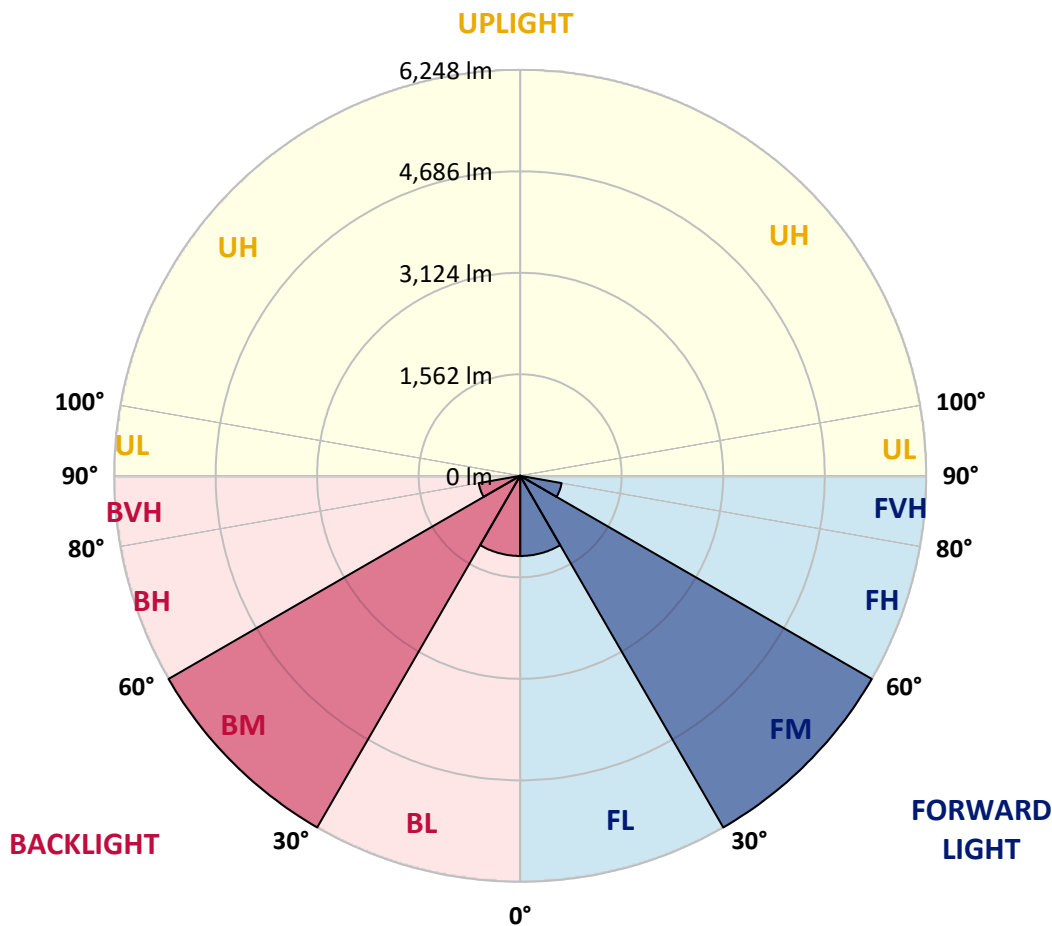


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1233.7	7.6			
FM (30°-60°)	6248.5	38.4			
FH (60°-80°)	647.8	4.0			G0/660
FVH (80°-90°)	7.5	0.0			G0/10
BL (0°-30°)	1233.7	7.6	B3/2500		
BM (30°-60°)	6248.5	38.4	B4/8500		
BH (60°-80°)	647.8	4.0	B2/1000		G0/660
BVH (80°-90°)	7.5	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°	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7	2851.7
2.5°	2857.6	2857.6	2860.6	2863.5	2842.9	2834.0	2837.0	2831.1	2828.1	2837.0	2837.0
5°	2848.8	2848.8	2839.9	2842.9	2842.9	2816.3	2816.3	2822.2	2822.2	2804.5	2798.6
7.5°	2825.2	2819.3	2807.5	2822.2	2813.4	2813.4	2792.7	2778.0	2772.1	2783.9	2772.1
10°	2775.1	2778.0	2789.8	2795.7	2789.8	2807.5	2772.1	2751.5	2730.8	2722.0	2722.0
12.5°	2751.5	2769.2	2751.5	2766.2	2786.9	2772.1	2751.5	2736.7	2707.2	2695.4	2695.4
15°	2748.5	2760.3	2766.2	2786.9	2778.0	2783.9	2742.6	2724.9	2680.7	2660.0	2651.2
17.5°	2745.6	2760.3	2769.2	2807.5	2813.4	2816.3	2783.9	2730.8	2692.5	2671.8	2651.2
20°	2778.0	2783.9	2801.6	2839.9	2863.5	2904.8	2845.8	2789.8	2707.2	2683.6	2674.8
22.5°	2819.3	2848.8	2866.5	2907.8	2969.7	3005.1	2928.4	2857.6	2772.1	2742.6	2707.2
25°	2952.0	2946.1	2975.6	3061.1	3111.2	3137.8	3075.9	2972.6	2860.6	2825.2	2831.1
27.5°	3117.1	3123.0	3149.6	3244.0	3317.7	3359.0	3285.2	3149.6	3040.5	2981.5	2975.6
30°	3332.4	3326.5	3356.0	3482.8	3615.5	3677.5	3547.7	3388.5	3282.3	3205.6	3223.3
32.5°	3559.5	3562.5	3645.0	3760.0	3975.3	4096.2	3886.8	3692.2	3533.0	3479.9	3453.3
35°	3895.7	3910.4	3975.3	4152.3	4391.1	4547.4	4317.4	4084.4	3901.6	3804.3	3816.1
37.5°	4311.5	4296.8	4405.9	4597.6	4848.2	4963.2	4768.6	4503.2	4317.4	4252.5	4293.8
40°	4753.9	4768.6	4824.6	4998.6	5278.8	5355.5	5066.5	4922.0	4759.8	4727.3	4777.5
42.5°	5196.2	5187.4	5228.7	5385.0	5588.4	5535.4	5364.3	5278.8	5163.8	5098.9	5166.7
45°	5520.6	5505.9	5582.5	5688.7	5762.4	5662.2	5585.5	5556.0	5497.0	5426.2	5488.2
47.5°	5836.2	5824.4	5898.1	5927.6	5933.5	5800.8	5815.5	5868.6	5721.2	5573.7	5644.5
50°	6104.5	6083.9	6175.3	6240.2	6225.4	6013.1	6066.2	6013.1	5783.1	5609.1	5582.5
52.5°	6552.8	6561.6	6659.0	6776.9	6741.5	6564.6	6487.9	6246.1	5951.2	5794.9	5703.5
55°	6835.9	6791.7	6959.8	7334.3	7375.6	7192.7	6853.6	6496.8	6054.4	5862.7	5839.1
56°	6570.5	6626.5	6891.9	7310.7	7523.0	7354.9	6862.4	6434.8	5948.2	5688.7	5671.0
57.5°	5895.1	5865.7	6225.4	6797.6	7375.6	7304.8	6620.6	5992.5	5426.2	5134.3	5098.9
60°	3668.6	3754.1	4069.7	4777.5	5550.1	5585.5	4907.2	4367.5	3707.0	3447.4	3509.4
62.5°	1436.2	1362.5	1560.0	2087.9	2618.8	2736.7	2480.1	2061.4	1692.8	1436.2	1418.5
65°	333.2	324.4	365.7	504.3	704.8	816.9	775.6	557.4	409.9	389.3	359.8
67.5°	188.7	188.7	179.9	179.9	197.6	209.4	200.5	197.6	206.4	215.3	212.3
70°	132.7	129.8	123.9	126.8	120.9	120.9	129.8	144.5	156.3	156.3	159.2
72.5°	79.6	79.6	79.6	88.5	88.5	88.5	97.3	109.1	112.1	109.1	106.2
75°	35.4	35.4	41.3	50.1	56.0	59.0	67.8	73.7	79.6	73.7	67.8
77.5°	8.8	8.8	14.7	20.6	26.5	32.4	44.2	53.1	56.0	53.1	44.2
80°	2.9	2.9	5.9	14.7	26.5	32.4	44.2	47.2	50.1	44.2	35.4
82.5°	2.9	2.9	5.9	14.7	20.6	26.5	35.4	41.3	44.2	38.3	35.4
85°	0.0	2.9	5.9	11.8	17.7	23.6	23.6	17.7	14.7	8.8	11.8
87.5°	0.0	0.0	2.9	2.9	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)