

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: P530803

Luminaire Tested: **GALN-SA6A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530803
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-SA6A-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA 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: 17525 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

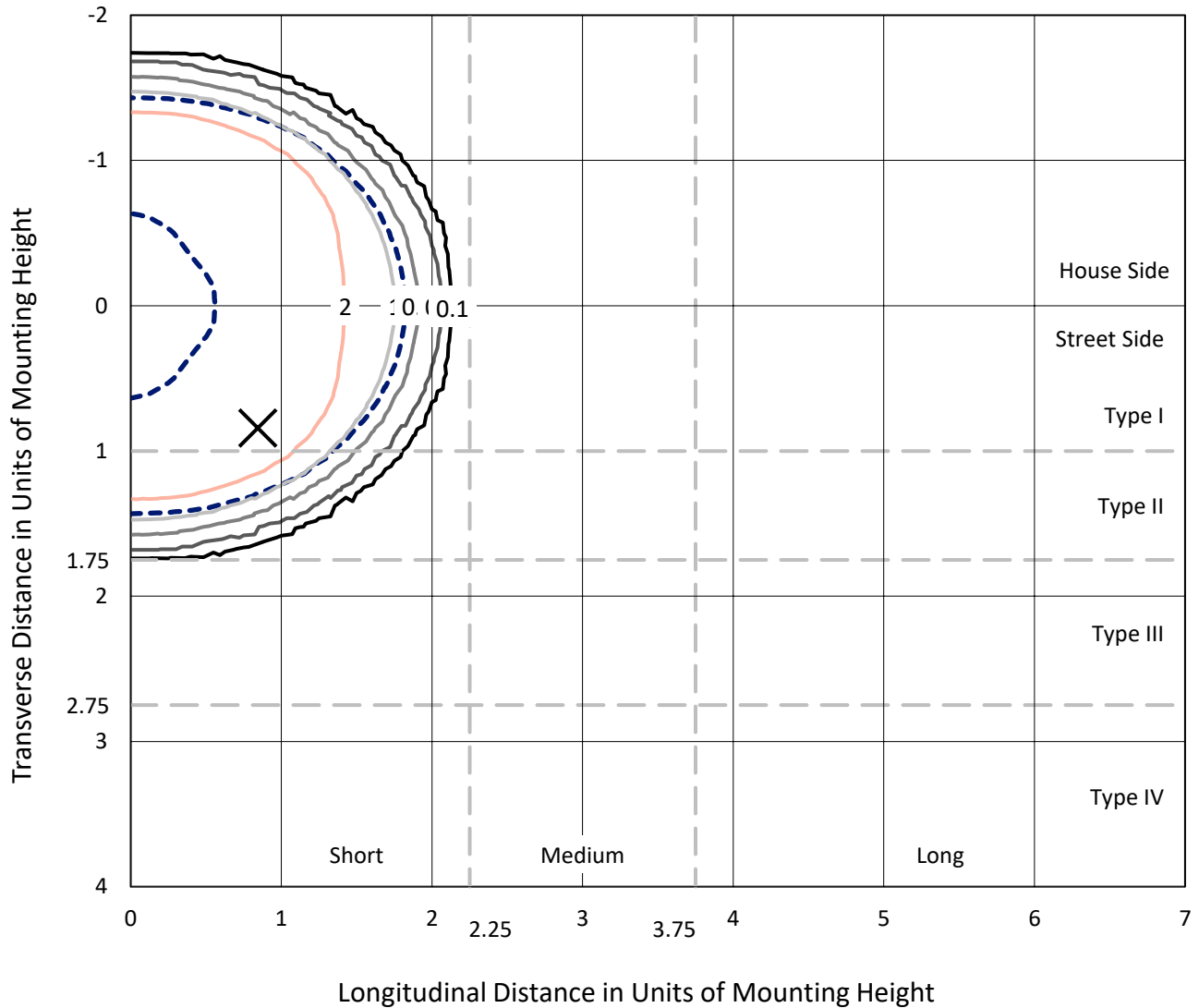
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

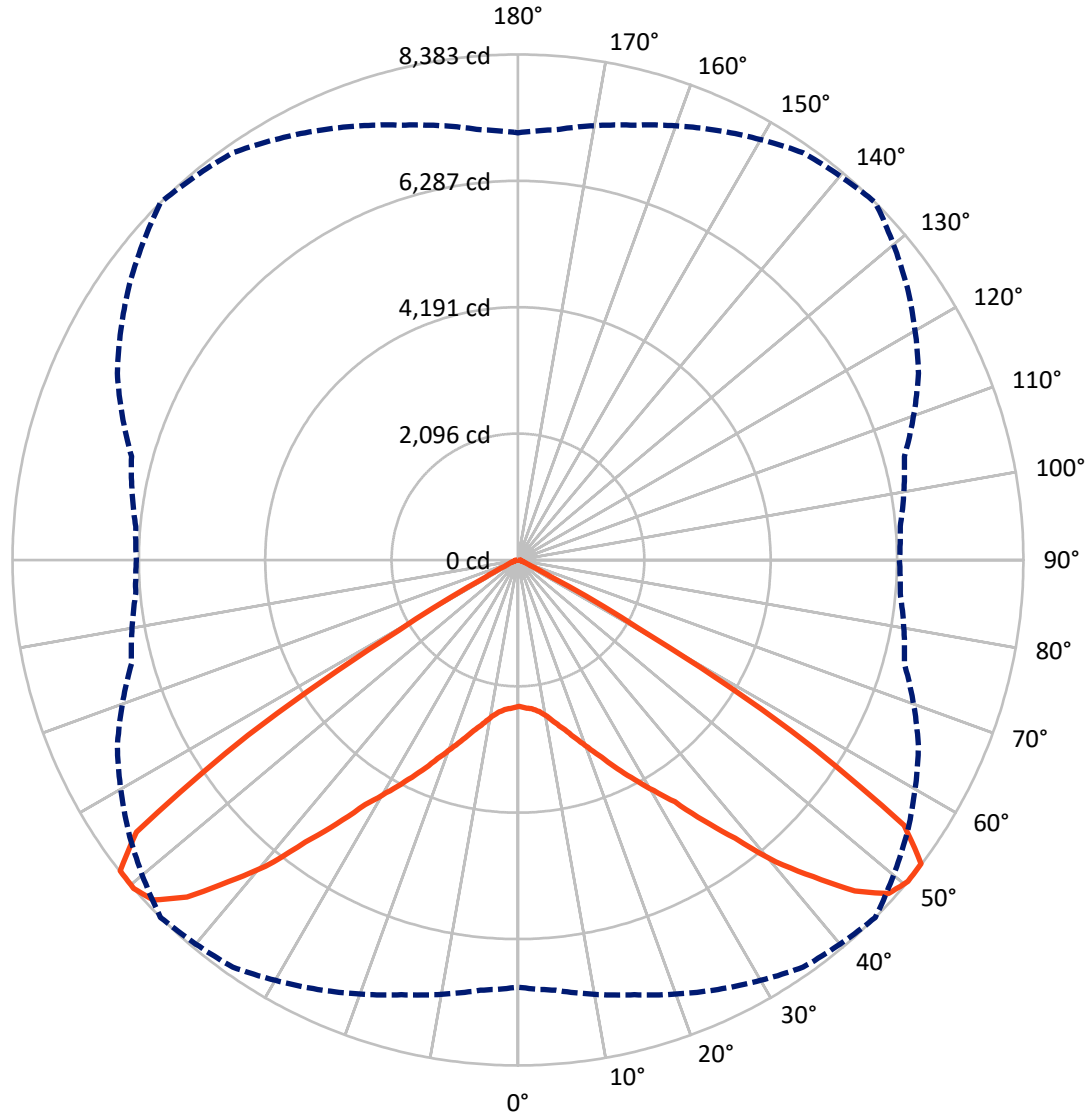
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8762.5	0.0	8762.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8762.5	0.0	8762.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17525.0	0.0	17525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.7	1.4
10°-20°	833.1	4.8
20°-30°	1701.5	9.7
30°-40°	3244.7	18.5
40°-50°	5467.8	31.2
50°-60°	5214.6	29.8
60°-70°	727.9	4.2
70°-80°	69.6	0.4
80°-90°	24.0	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°	17525.0	100.0
0°-180°	17525.0	100.0

Coefficient of Utilization



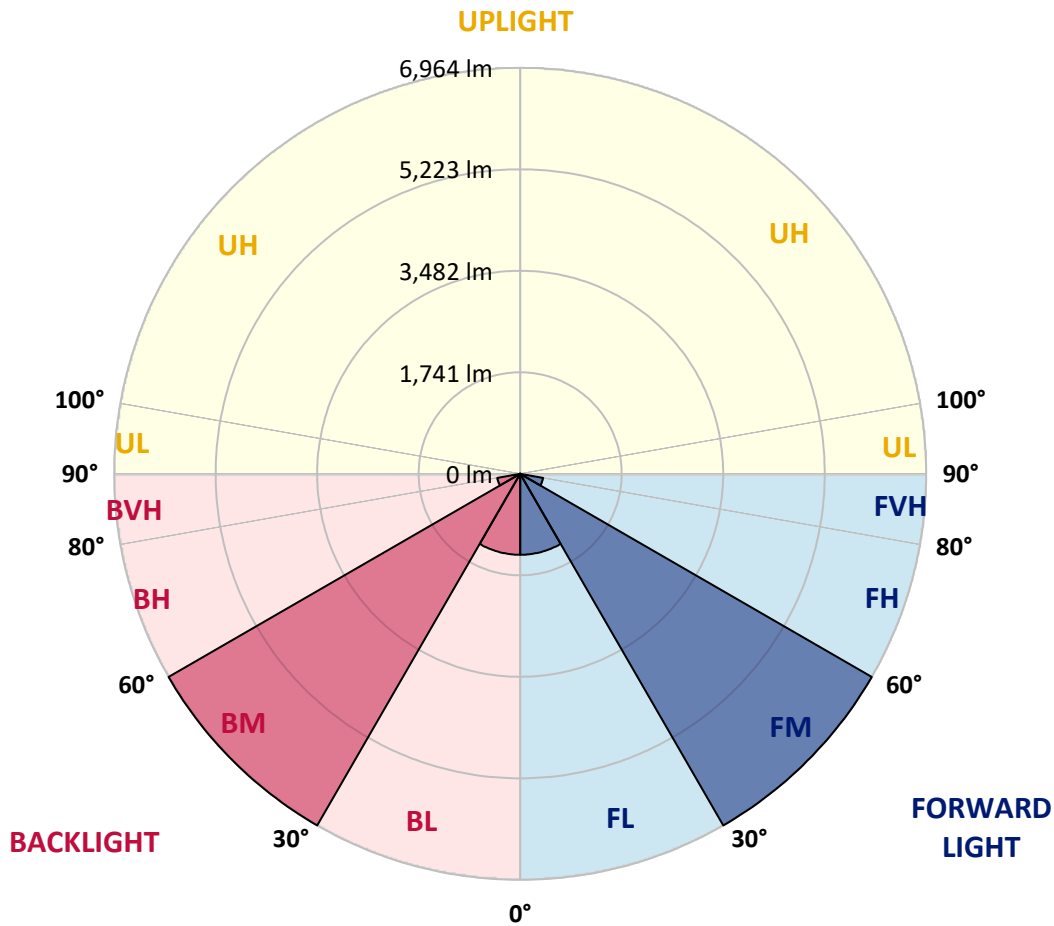
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1388.1	7.9			
FM (30°-60°)	6963.6	39.7			
FH (60°-80°)	398.8	2.3			G0/660
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	1388.1	7.9	B3/2500		
BM (30°-60°)	6963.6	39.7	B4/8500		
BH (60°-80°)	398.8	2.3	B1/500		G0/660
BVH (80°-90°)	12.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6	2429.6
2.5°	2420.8	2420.8	2417.9	2441.4	2429.6	2456.2	2453.2	2462.1	2470.9	2468.0	2491.6
5°	2400.2	2397.2	2397.2	2423.8	2450.3	2479.8	2506.3	2524.0	2553.5	2553.5	2583.0
7.5°	2420.8	2406.1	2426.7	2438.5	2488.6	2538.7	2583.0	2618.4	2686.2	2709.8	2700.9
10°	2426.7	2444.4	2459.1	2494.5	2556.4	2633.1	2671.4	2759.9	2836.6	2889.6	2901.4
12.5°	2465.0	2491.6	2532.8	2618.4	2674.4	2774.6	2827.7	2913.2	3019.4	3078.3	3119.6
15°	2538.7	2547.6	2600.7	2709.8	2830.7	2922.1	3004.6	3066.5	3169.7	3237.6	3240.5
17.5°	2633.1	2671.4	2745.1	2848.4	2975.1	3110.8	3175.6	3243.5	3281.8	3373.2	3393.8
20°	2821.8	2827.7	2898.5	3034.1	3193.3	3317.2	3364.4	3399.7	3385.0	3479.4	3497.0
22.5°	2998.7	3004.6	3093.1	3275.9	3446.9	3553.1	3573.7	3553.1	3508.8	3576.7	3582.6
25°	3178.6	3231.7	3296.5	3479.4	3691.7	3833.2	3836.1	3780.1	3688.7	3700.5	3730.0
27.5°	3458.7	3497.0	3564.9	3732.9	3965.9	4125.1	4098.6	4030.7	3912.8	3921.6	3912.8
30°	3786.0	3821.4	3877.4	4092.7	4263.7	4437.6	4476.0	4411.1	4234.2	4195.9	4240.1
32.5°	4181.1	4231.2	4334.4	4532.0	4676.5	4782.6	4809.2	4785.6	4620.5	4605.7	4635.2
35°	4661.7	4729.6	4823.9	4997.9	5115.8	5307.5	5307.5	5227.9	5077.5	5095.2	5092.2
37.5°	5168.9	5269.2	5416.6	5593.5	5752.7	5855.9	5823.5	5755.7	5605.3	5567.0	5605.3
40°	5805.8	5855.9	6041.7	6271.7	6466.3	6584.2	6445.6	6298.2	5938.5	5994.5	6097.7
42.5°	6386.7	6466.3	6607.8	6861.4	7082.5	7179.8	7014.7	6722.8	6289.4	6245.1	6321.8
45°	6882.0	6967.5	7153.3	7516.0	7748.9	7834.4	7468.8	6997.0	6501.7	6389.6	6422.1
47.5°	7212.3	7256.5	7516.0	7861.0	8073.3	8267.9	7743.0	7185.7	6601.9	6389.6	6377.8
50°	7085.5	7162.2	7465.9	7858.0	8244.3	8382.9	7881.6	7330.2	6634.4	6363.1	6327.7
52.5°	6292.3	6425.0	6764.1	7291.9	7875.7	8371.1	8073.3	7283.0	6622.6	6389.6	6442.7
55°	4378.7	4381.6	4794.4	5572.9	6604.9	7772.5	7793.2	7336.1	6699.2	6554.7	6557.7
57.5°	1760.3	1848.8	2164.3	2945.7	3898.1	5337.0	6345.4	6805.4	6708.1	6672.7	6764.1
60°	445.2	448.2	545.5	831.5	1371.1	2288.1	3323.1	4496.6	5177.7	5410.7	5443.1
62.5°	227.0	230.0	253.6	294.9	374.5	613.3	1091.0	1730.8	2462.1	2833.6	2930.9
65°	185.8	185.8	200.5	221.1	224.1	235.9	283.1	404.0	586.8	666.4	675.2
67.5°	141.5	141.5	153.3	165.1	171.0	168.1	162.2	168.1	203.5	194.6	188.7
70°	88.5	91.4	97.3	109.1	115.0	117.9	120.9	126.8	144.5	150.4	144.5
72.5°	53.1	53.1	56.0	64.9	73.7	79.6	88.5	94.4	103.2	117.9	115.0
75°	23.6	23.6	29.5	38.3	47.2	56.0	64.9	73.7	79.6	88.5	91.4
77.5°	5.9	8.8	14.7	26.5	35.4	47.2	59.0	67.8	73.7	73.7	70.8
80°	2.9	2.9	11.8	20.6	38.3	50.1	64.9	70.8	79.6	73.7	64.9
82.5°	2.9	2.9	11.8	20.6	35.4	50.1	67.8	76.7	82.6	73.7	61.9
85°	0.0	2.9	8.8	17.7	29.5	35.4	29.5	20.6	11.8	11.8	8.8
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)