

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: P530743

Luminaire Tested: **GALN-SA6A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530743
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-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 14821 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

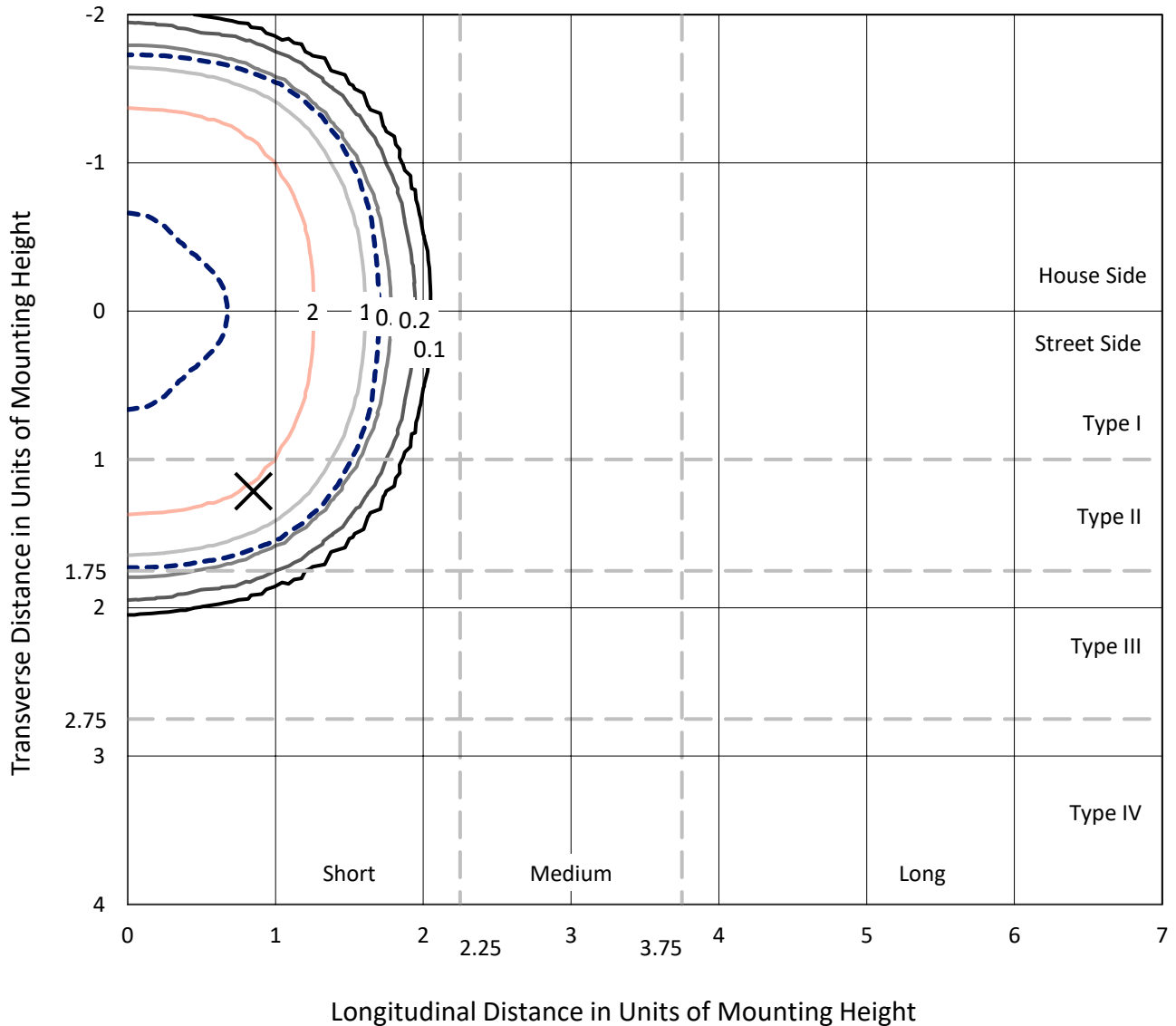
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

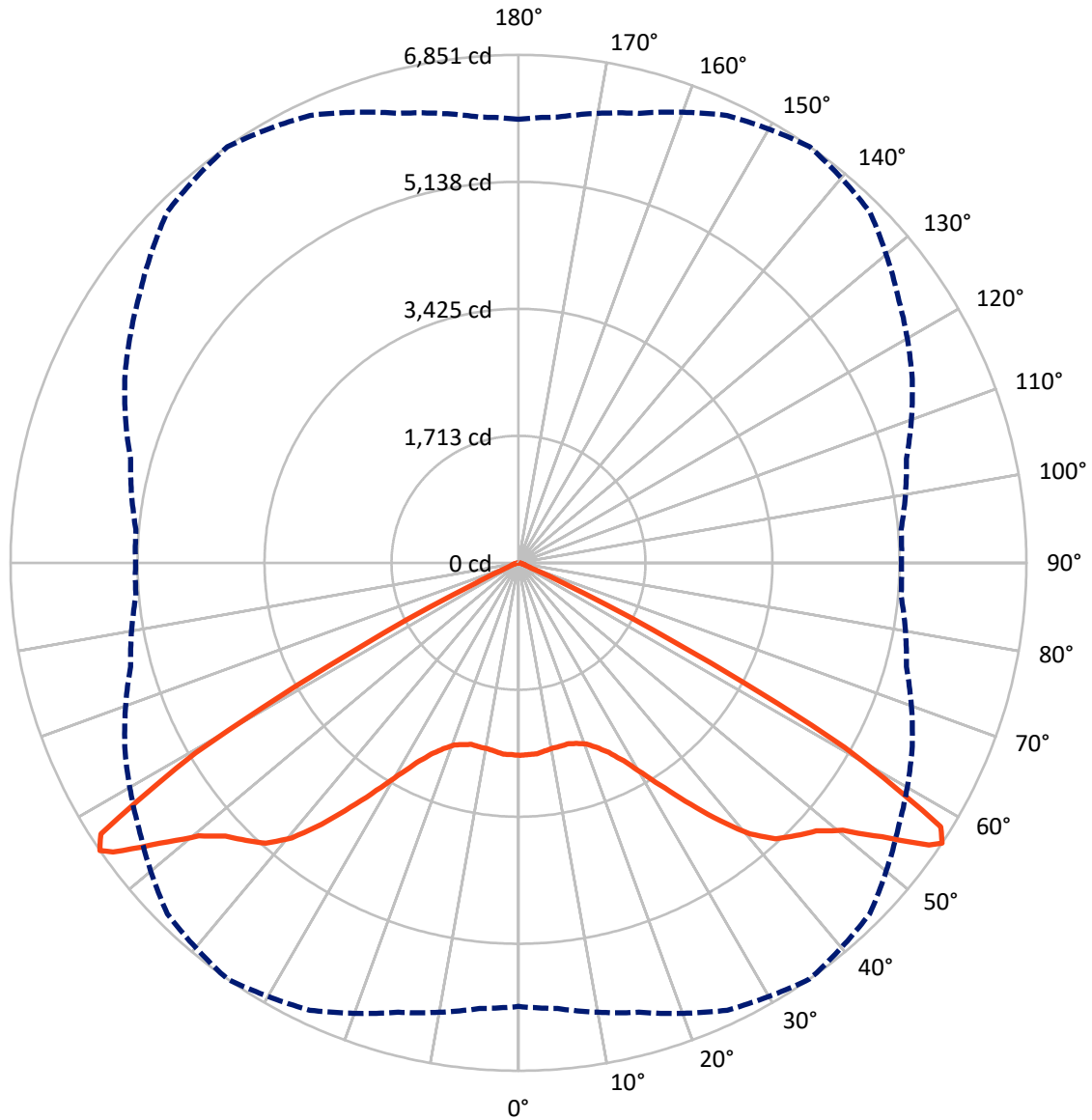
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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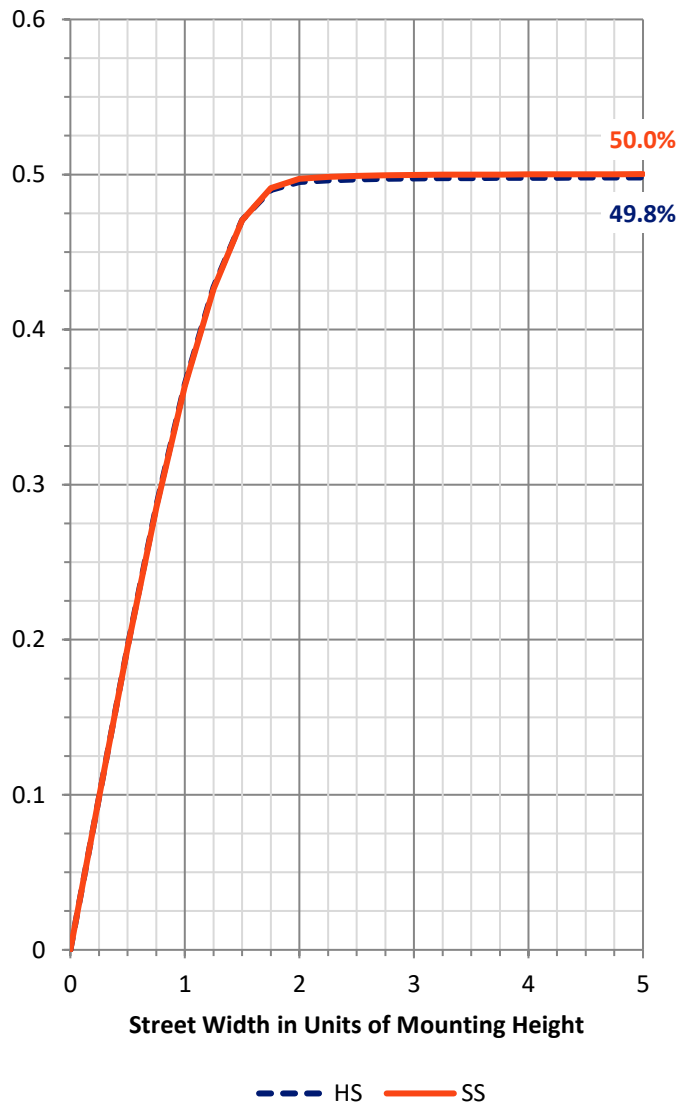
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7410.5	0.0	7410.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7410.5	0.0	7410.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14821.0	0.0	14821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.1	1.6
10°-20°	712.6	4.8
20°-30°	1290.4	8.7
30°-40°	2392.8	16.1
40°-50°	3927.7	26.5
50°-60°	5060.0	34.1
60°-70°	1115.2	7.5
70°-80°	64.7	0.4
80°-90°	13.6	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°	14821.0	100.0
0°-180°	14821.0	100.0

Coefficient of Utilization

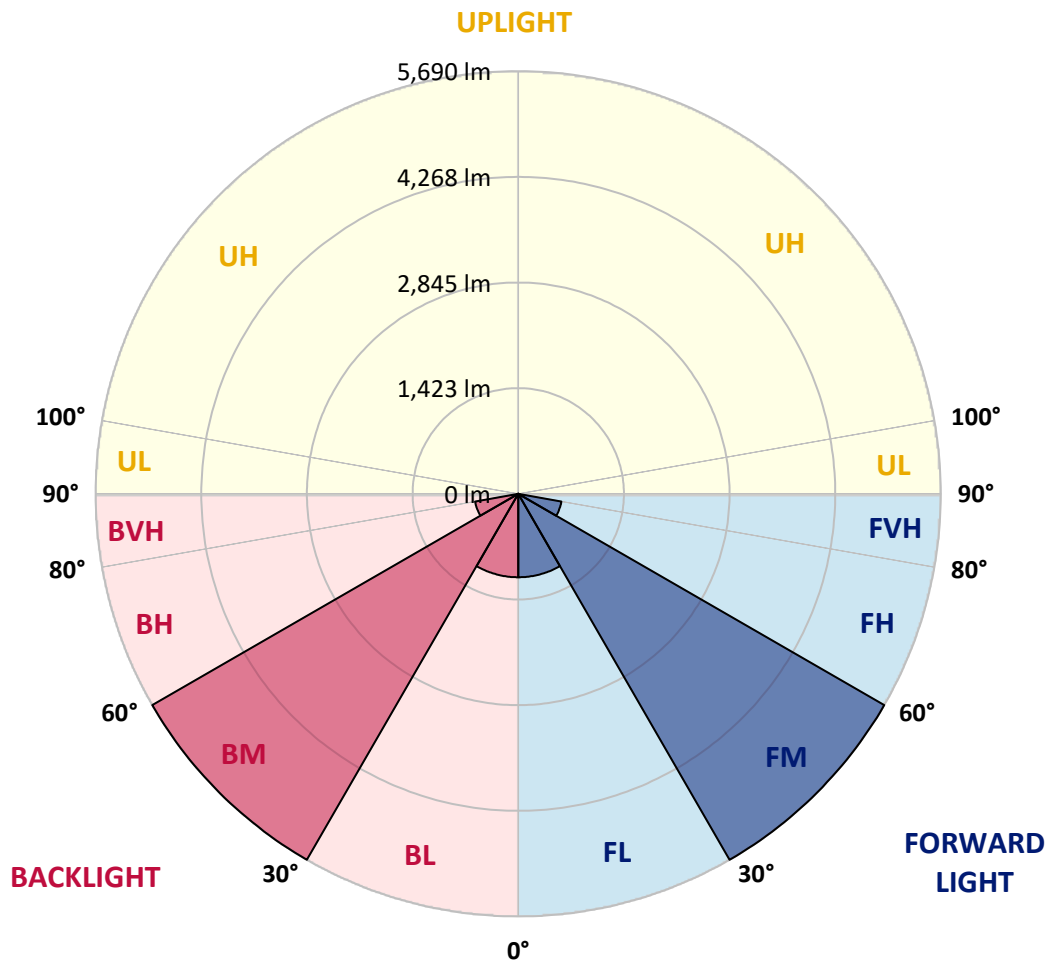


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1123.5	7.6			
FM (30°-60°)	5690.2	38.4			
FH (60°-80°)	589.9	4.0			G0/660
FVH (80°-90°)	6.8	0.0			G0/10
BL (0°-30°)	1123.5	7.6	B3/2500		
BM (30°-60°)	5690.2	38.4	B4/8500		
BH (60°-80°)	589.9	4.0	B2/1000		G0/660
BVH (80°-90°)	6.8	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°	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0	2597.0
2.5°	2602.3	2602.3	2605.0	2607.7	2588.9	2580.8	2583.5	2578.2	2575.5	2583.5	2583.5
5°	2594.3	2594.3	2586.2	2588.9	2588.9	2564.7	2564.7	2570.1	2570.1	2554.0	2548.6
7.5°	2572.8	2567.4	2556.7	2570.1	2562.0	2562.0	2543.2	2529.8	2524.4	2535.2	2524.4
10°	2527.1	2529.8	2540.6	2545.9	2540.6	2556.7	2524.4	2505.6	2486.8	2478.8	2478.8
12.5°	2505.6	2521.8	2505.6	2519.1	2537.9	2524.4	2505.6	2492.2	2465.4	2454.6	2454.6
15°	2503.0	2513.7	2519.1	2537.9	2529.8	2535.2	2497.6	2481.5	2441.2	2422.4	2414.3
17.5°	2500.3	2513.7	2521.8	2556.7	2562.0	2564.7	2535.2	2486.8	2451.9	2433.1	2414.3
20°	2529.8	2535.2	2551.3	2586.2	2607.7	2645.3	2591.6	2540.6	2465.4	2443.9	2435.8
22.5°	2567.4	2594.3	2610.4	2648.0	2704.4	2736.6	2666.8	2602.3	2524.4	2497.6	2465.4
25°	2688.3	2682.9	2709.8	2787.6	2833.3	2857.5	2801.1	2707.1	2605.0	2572.8	2578.2
27.5°	2838.7	2844.0	2868.2	2954.1	3021.3	3058.9	2991.7	2868.2	2768.8	2715.1	2709.8
30°	3034.7	3029.3	3056.2	3171.7	3292.5	3348.9	3230.8	3085.7	2989.1	2919.2	2935.3
32.5°	3241.5	3244.2	3319.4	3424.1	3620.2	3730.3	3539.6	3362.3	3217.3	3169.0	3144.8
35°	3547.7	3561.1	3620.2	3781.3	3998.8	4141.2	3931.7	3719.5	3553.0	3464.4	3475.1
37.5°	3926.3	3912.9	4012.3	4186.8	4415.1	4519.8	4342.6	4100.9	3931.7	3872.6	3910.2
40°	4329.2	4342.6	4393.6	4552.1	4807.2	4877.0	4613.8	4482.2	4334.5	4305.0	4350.6
42.5°	4732.0	4723.9	4761.5	4903.9	5089.2	5040.8	4885.1	4807.2	4702.5	4643.4	4705.1
45°	5027.4	5014.0	5083.8	5180.5	5247.6	5156.3	5086.5	5059.6	5005.9	4941.5	4997.9
47.5°	5314.8	5304.0	5371.2	5398.0	5403.4	5282.5	5296.0	5344.3	5210.0	5075.8	5140.2
50°	5559.2	5540.4	5623.6	5682.7	5669.3	5475.9	5524.2	5475.9	5266.4	5108.0	5083.8
52.5°	5967.4	5975.4	6064.0	6171.5	6139.2	5978.1	5908.3	5688.1	5419.5	5277.2	5193.9
55°	6225.2	6184.9	6338.0	6679.0	6716.6	6550.1	6241.3	5916.3	5513.5	5338.9	5317.5
56°	5983.5	6034.5	6276.2	6657.6	6850.9	6697.8	6249.3	5859.9	5416.8	5180.5	5164.4
57.5°	5368.5	5341.6	5669.3	6190.3	6716.6	6652.2	6029.1	5457.1	4941.5	4675.6	4643.4
60°	3340.9	3418.7	3706.1	4350.6	5054.3	5086.5	4468.8	3977.3	3375.8	3139.4	3195.8
62.5°	1307.9	1240.7	1420.7	1901.4	2384.8	2492.2	2258.6	1877.2	1541.5	1307.9	1291.8
65°	303.5	295.4	333.0	459.2	641.9	743.9	706.3	507.6	373.3	354.5	327.6
67.5°	171.9	171.9	163.8	163.8	179.9	190.7	182.6	179.9	188.0	196.0	193.4
70°	120.9	118.2	112.8	115.5	110.1	110.1	118.2	131.6	142.3	142.3	145.0
72.5°	72.5	72.5	72.5	80.6	80.6	80.6	88.6	99.4	102.1	99.4	96.7
75°	32.2	32.2	37.6	45.7	51.0	53.7	61.8	67.1	72.5	67.1	61.8
77.5°	8.1	8.1	13.4	18.8	24.2	29.5	40.3	48.3	51.0	48.3	40.3
80°	2.7	2.7	5.4	13.4	24.2	29.5	40.3	43.0	45.7	40.3	32.2
82.5°	2.7	2.7	5.4	13.4	18.8	24.2	32.2	37.6	40.3	34.9	32.2
85°	0.0	2.7	5.4	10.7	16.1	21.5	21.5	16.1	13.4	8.1	10.7
87.5°	0.0	0.0	2.7	2.7	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)