

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: P455093

Luminaire Tested: **GALN-SA6B-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32162 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

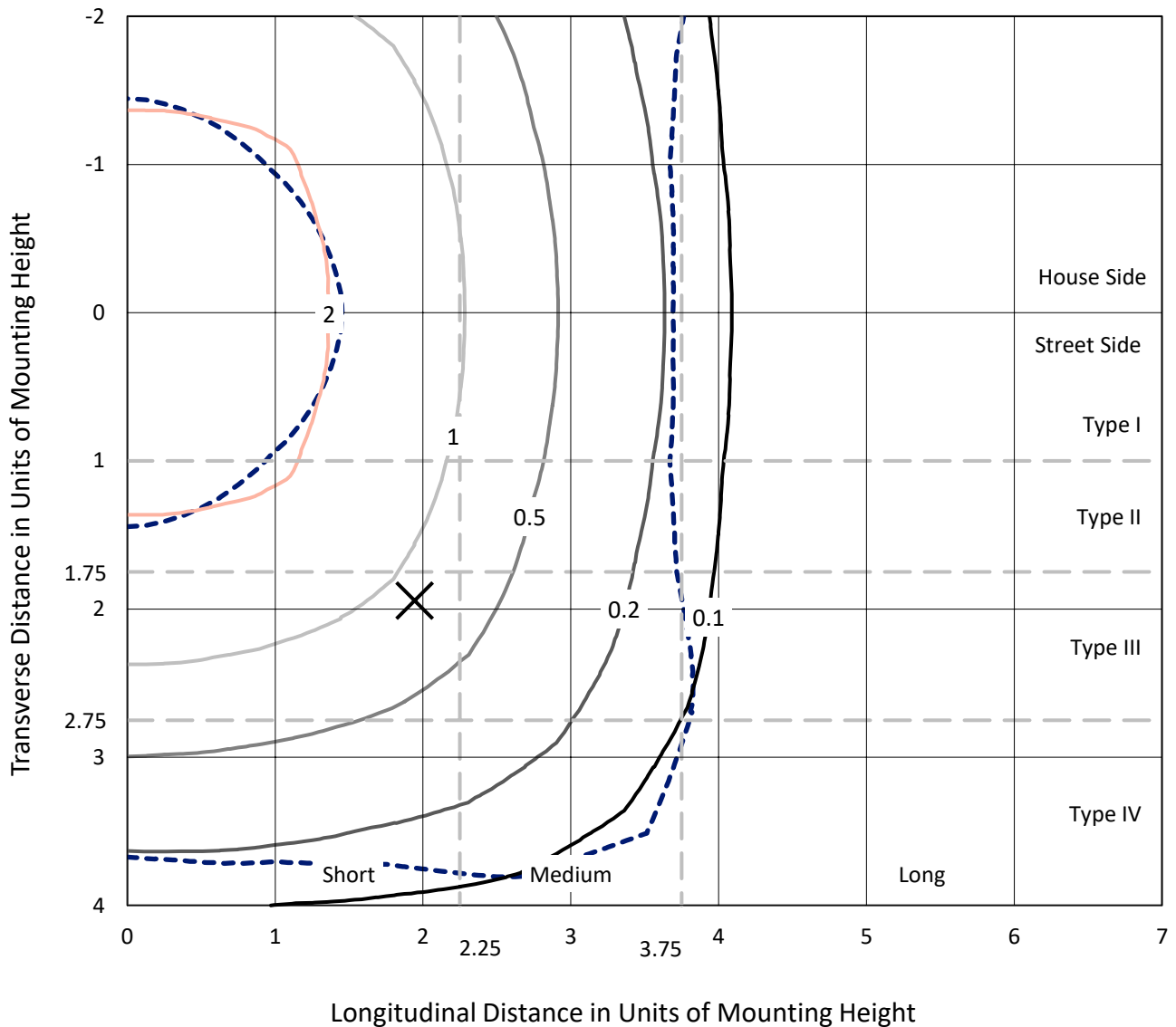
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

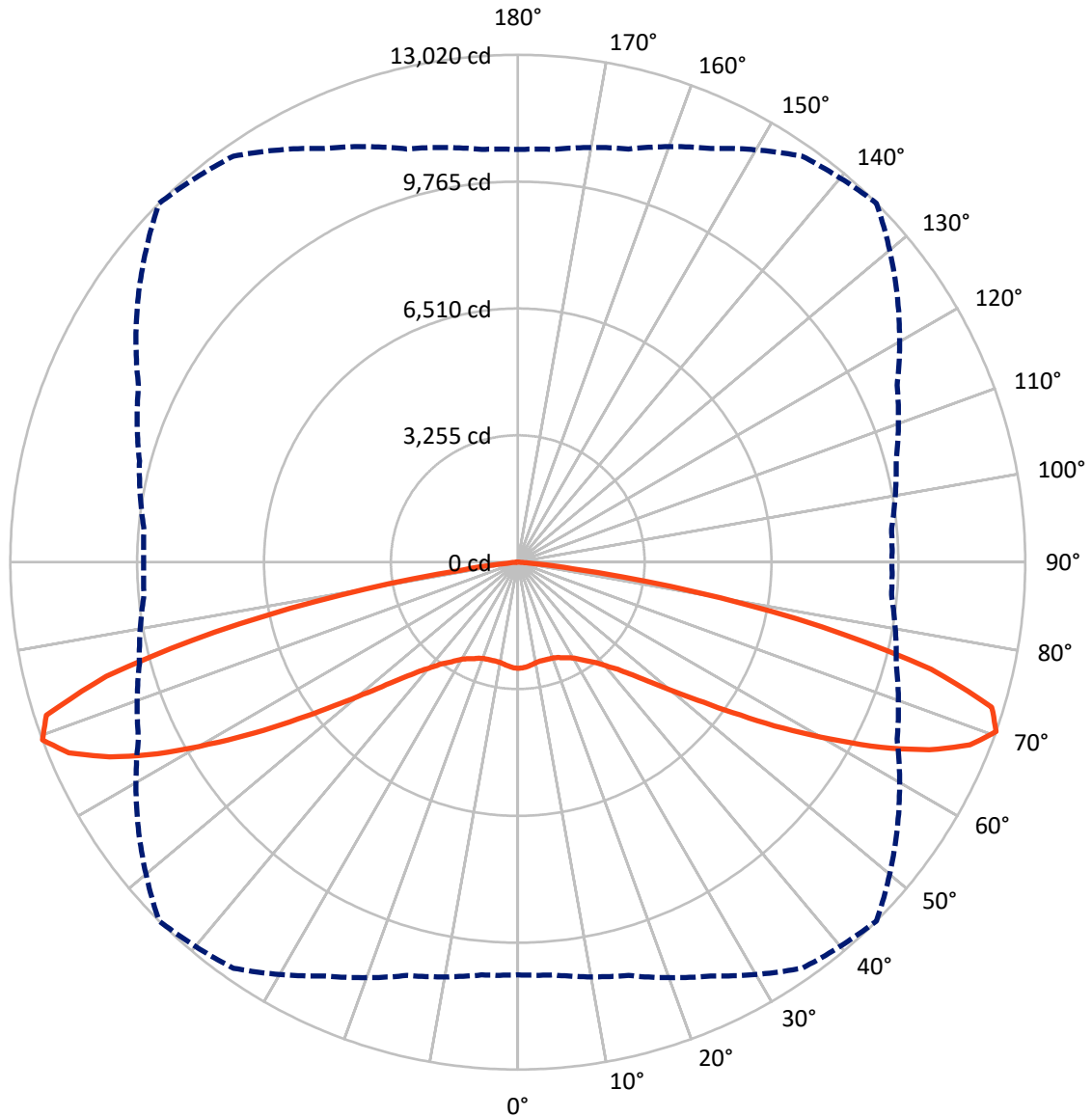
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16081.0	0.0	16081.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16081.0	0.0	16081.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32162.0	0.0	32162.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	0.8
10°-20°	745.5	2.3
20°-30°	1270.1	3.9
30°-40°	1968.7	6.1
40°-50°	3313.6	10.3
50°-60°	6028.9	18.7
60°-70°	10206.8	31.7
70°-80°	7900.4	24.6
80°-90°	473.4	1.5
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°	32162.0	100.0
0°-180°	32162.0	100.0



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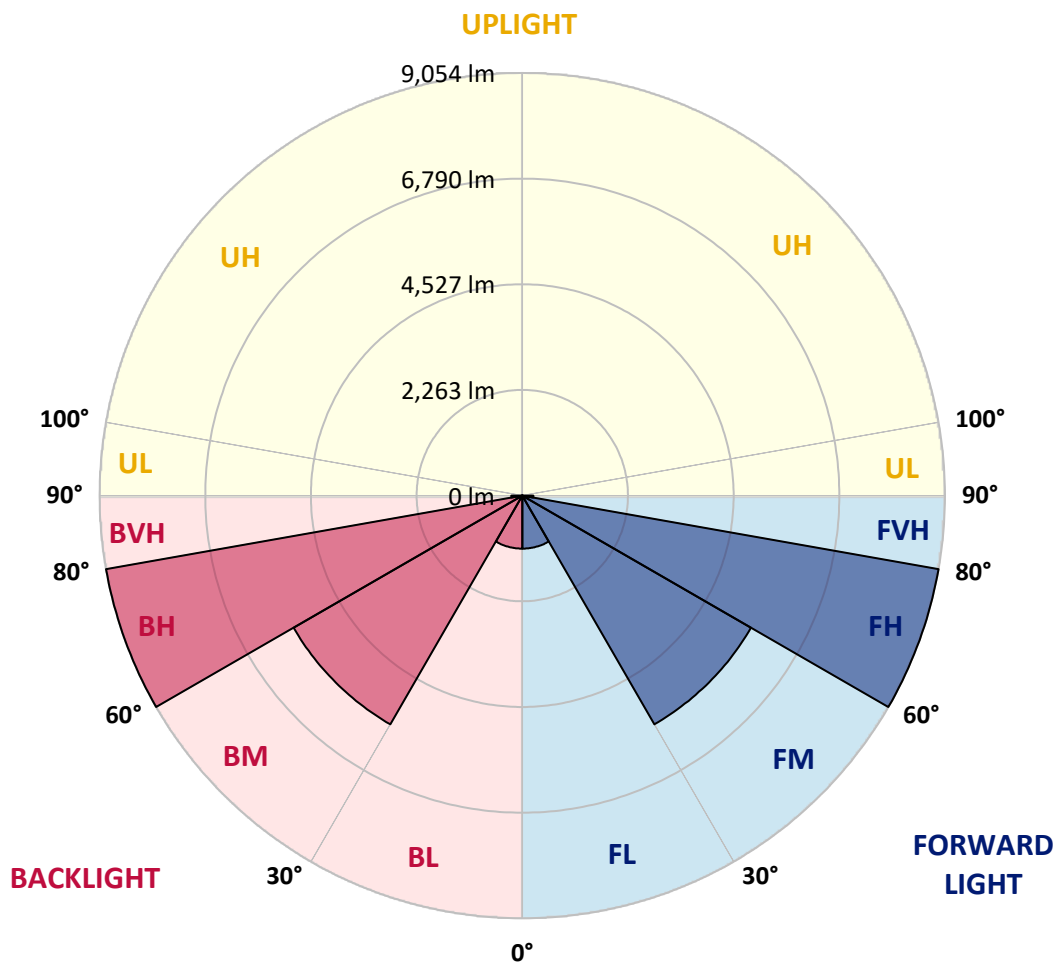
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1135.1	3.5			
FM (30°-60°)	5655.6	17.6			
FH (60°-80°)	9053.6	28.1			G4/12000
FVH (80°-90°)	236.7	0.7			G3/500
BL (0°-30°)	1135.1	3.5	B3/2500		
BM (30°-60°)	5655.6	17.6	B4/8500		
BH (60°-80°)	9053.6	28.1	B5		G4/12000
BVH (80°-90°)	236.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9	2722.9
2.5°	2716.1	2717.8	2717.8	2714.4	2712.7	2712.7	2711.0	2711.0	2716.1	2717.8	2719.5
5°	2692.3	2692.3	2692.3	2690.6	2687.2	2687.2	2683.8	2683.8	2685.5	2690.6	2687.2
7.5°	2660.1	2663.5	2663.5	2656.7	2651.6	2651.6	2649.9	2651.6	2653.3	2658.4	2656.7
10°	2649.9	2651.6	2643.1	2631.2	2622.7	2617.6	2619.3	2622.7	2631.2	2634.6	2636.3
12.5°	2656.7	2656.7	2641.4	2624.4	2609.1	2602.3	2600.6	2612.5	2627.8	2638.0	2641.4
15°	2665.2	2661.8	2643.1	2621.0	2605.7	2604.0	2602.3	2610.8	2632.9	2653.3	2655.0
17.5°	2670.2	2668.6	2644.8	2617.6	2609.1	2609.1	2607.4	2614.2	2638.0	2663.5	2665.2
20°	2687.2	2682.1	2655.0	2626.1	2619.3	2622.7	2617.6	2626.1	2651.6	2682.1	2688.9
22.5°	2721.2	2716.1	2688.9	2660.1	2656.7	2656.7	2655.0	2663.5	2690.6	2722.9	2728.0
25°	2762.0	2756.9	2731.4	2711.0	2714.4	2721.2	2717.8	2719.5	2741.6	2768.8	2777.3
27.5°	2816.3	2807.8	2785.8	2768.8	2779.0	2779.0	2779.0	2777.3	2790.9	2816.3	2824.8
30°	2882.6	2879.2	2855.4	2853.7	2862.2	2853.7	2853.7	2855.4	2857.1	2880.9	2889.4
32.5°	2969.2	2962.4	2950.5	2947.1	2970.9	2977.7	2953.9	2931.8	2943.7	2967.5	2972.6
35°	3111.9	3101.7	3084.7	3066.0	3084.7	3117.0	3066.0	3049.0	3079.6	3111.9	3115.3
37.5°	3305.5	3300.4	3273.3	3239.3	3237.6	3271.6	3218.9	3217.2	3275.0	3314.0	3319.1
40°	3548.4	3553.5	3519.6	3487.3	3470.3	3497.5	3456.7	3472.0	3528.1	3572.2	3568.8
42.5°	3889.9	3871.2	3818.5	3787.9	3769.3	3759.1	3748.9	3772.7	3835.5	3883.1	3920.4
45°	4289.0	4282.3	4216.0	4178.6	4137.9	4122.6	4119.2	4161.6	4238.1	4295.8	4300.9
47.5°	4740.9	4725.6	4683.1	4644.1	4628.8	4610.1	4593.1	4625.4	4701.8	4742.6	4754.5
50°	5206.3	5209.7	5209.7	5202.9	5218.2	5221.6	5175.7	5187.6	5230.1	5226.7	5223.3
52.5°	5738.0	5756.7	5845.0	5853.5	5926.5	5975.8	5892.6	5843.3	5828.0	5736.3	5743.1
55°	6363.1	6380.1	6512.6	6645.0	6842.1	6925.3	6750.4	6597.5	6488.8	6349.5	6356.3
57.5°	7142.7	7151.2	7276.9	7531.7	7844.3	8039.6	7732.2	7429.8	7209.0	7076.5	7023.8
60°	7981.9	7990.4	8173.8	8484.7	8970.5	9208.3	8827.8	8333.5	8054.9	7852.8	7866.4
62.5°	8989.2	9023.1	9187.9	9616.0	10205.4	10472.1	9967.6	9306.8	8929.7	8678.3	8688.5
65°	10067.8	10125.5	10305.6	10776.1	11319.7	11606.8	10988.5	10225.8	9756.9	9449.5	9481.8
67.5°	10767.6	10818.6	11078.5	11598.3	12276.0	12513.8	11715.5	10827.1	10241.1	9874.1	9806.2
70°	10589.3	10631.7	10978.3	11715.5	12719.4	13020.0	11888.7	10738.8	10049.1	9626.1	9599.0
72.5°	9347.6	9259.2	9765.4	10823.7	12213.2	12717.7	11343.5	9807.9	8939.9	8505.1	8454.1
75°	6194.9	6386.9	7134.3	8381.1	10332.8	10957.9	9682.2	7874.9	6782.6	6420.8	6364.8
77.5°	2070.6	2218.4	2882.6	4751.1	7044.2	7983.6	7054.4	5150.3	3643.6	2935.2	2948.8
80°	548.7	541.9	701.5	1306.2	3043.9	4623.7	3543.3	1744.5	954.6	691.3	655.7
82.5°	197.0	220.8	283.7	361.8	806.9	1437.0	1014.1	489.2	358.4	265.0	256.5
85°	86.6	84.9	122.3	144.4	202.1	268.4	237.8	207.2	181.8	120.6	112.1
87.5°	18.7	18.7	28.9	22.1	35.7	35.7	44.2	52.7	54.4	35.7	28.9
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)