

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: P528170

Luminaire Tested: **GALN-SA3B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528170  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3B-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13655 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

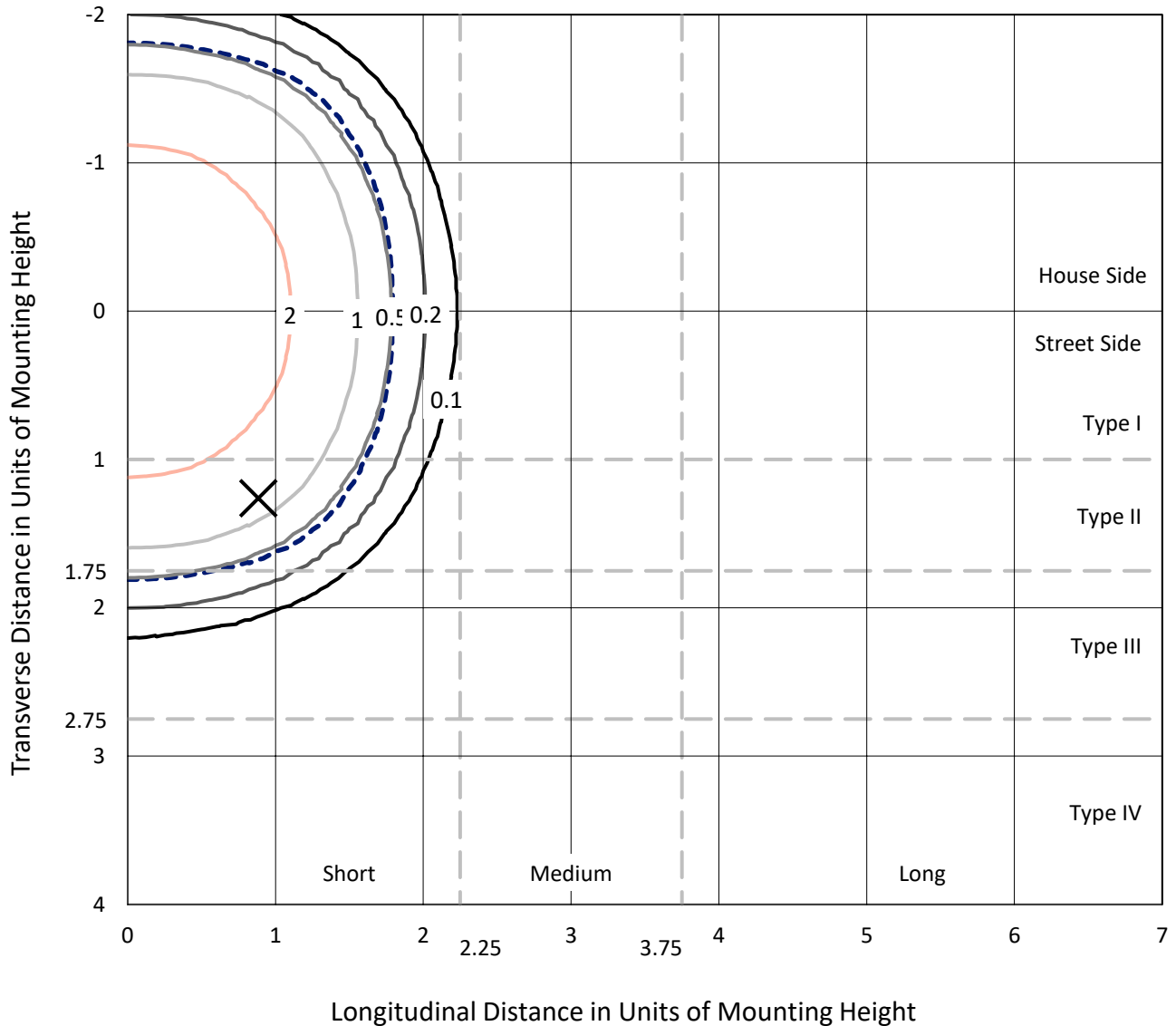
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

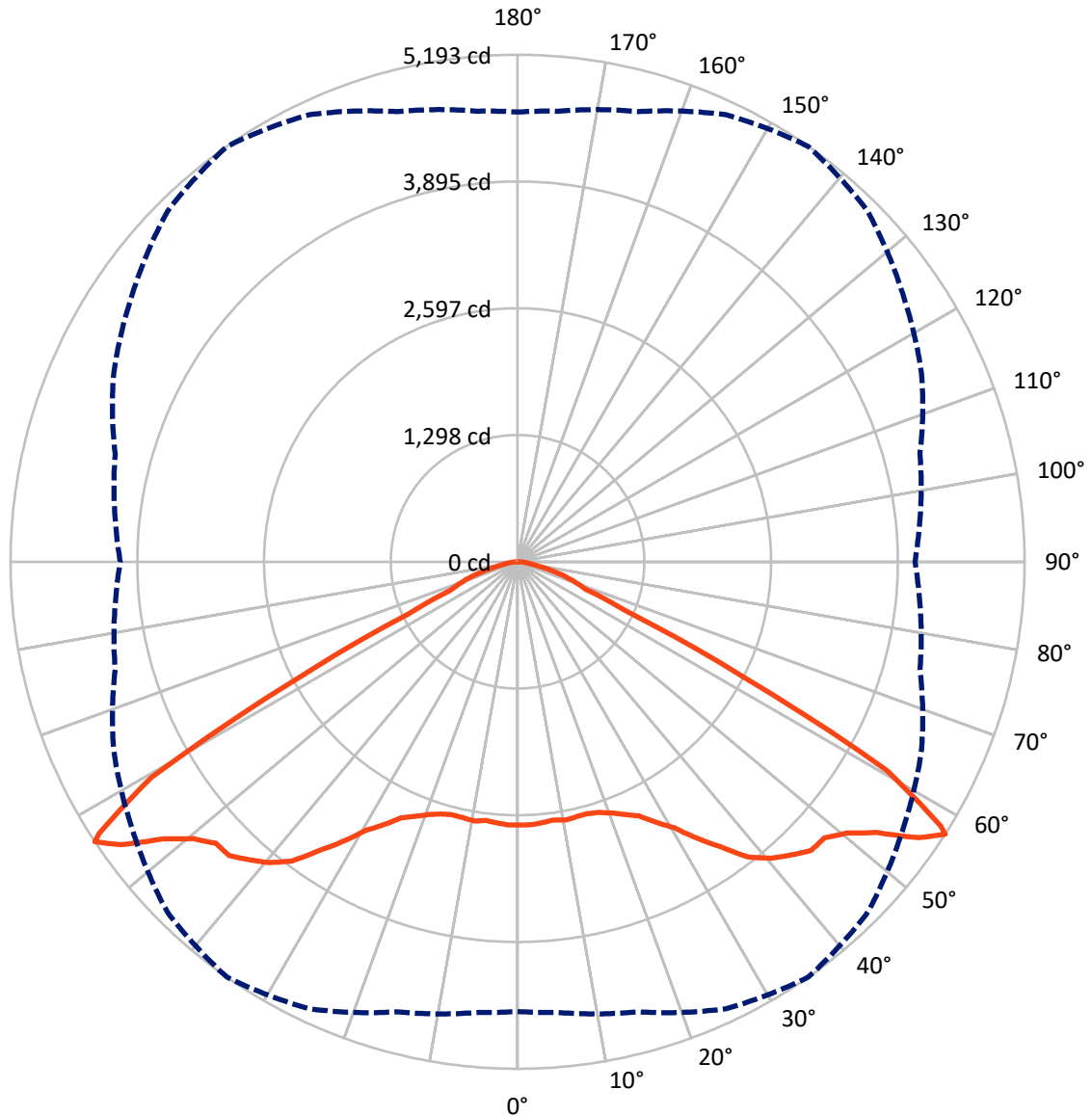
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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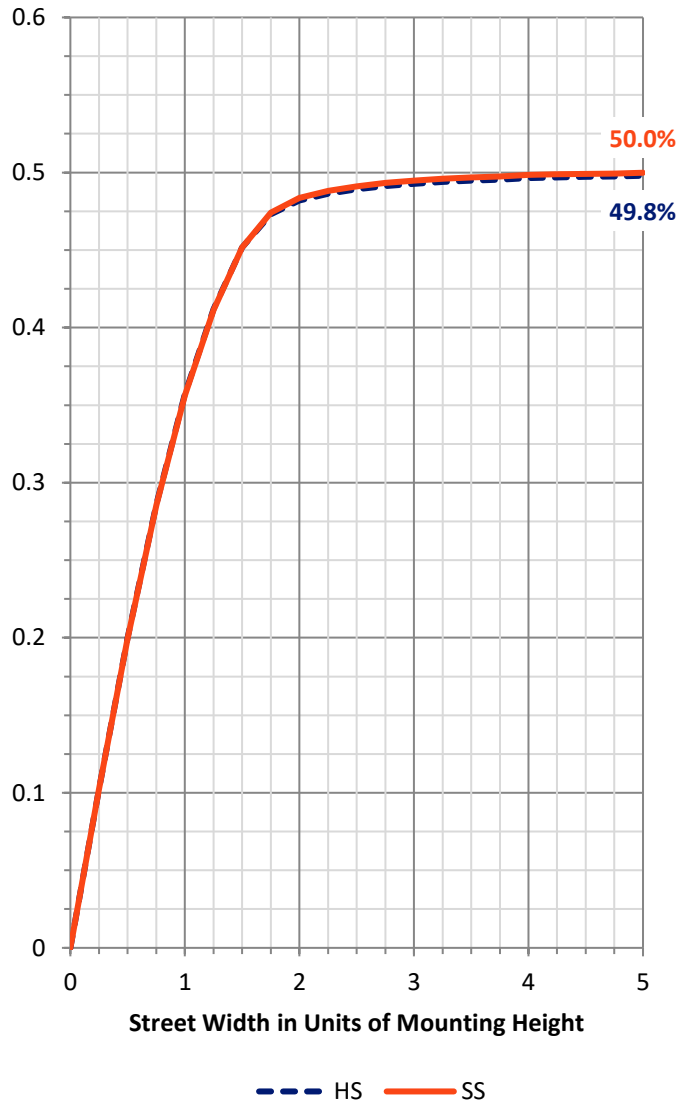
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6827.5	0.0	6827.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6827.5	0.0	6827.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13655.0	0.0	13655.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.7	1.9
10°-20°	757.2	5.5
20°-30°	1322.4	9.7
30°-40°	2166.9	15.9
40°-50°	3177.1	23.3
50°-60°	4001.8	29.3
60°-70°	1505.1	11.0
70°-80°	400.2	2.9
80°-90°	68.6	0.5
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°	13655.0	100.0
0°-180°	13655.0	100.0

**Coefficient of Utilization**



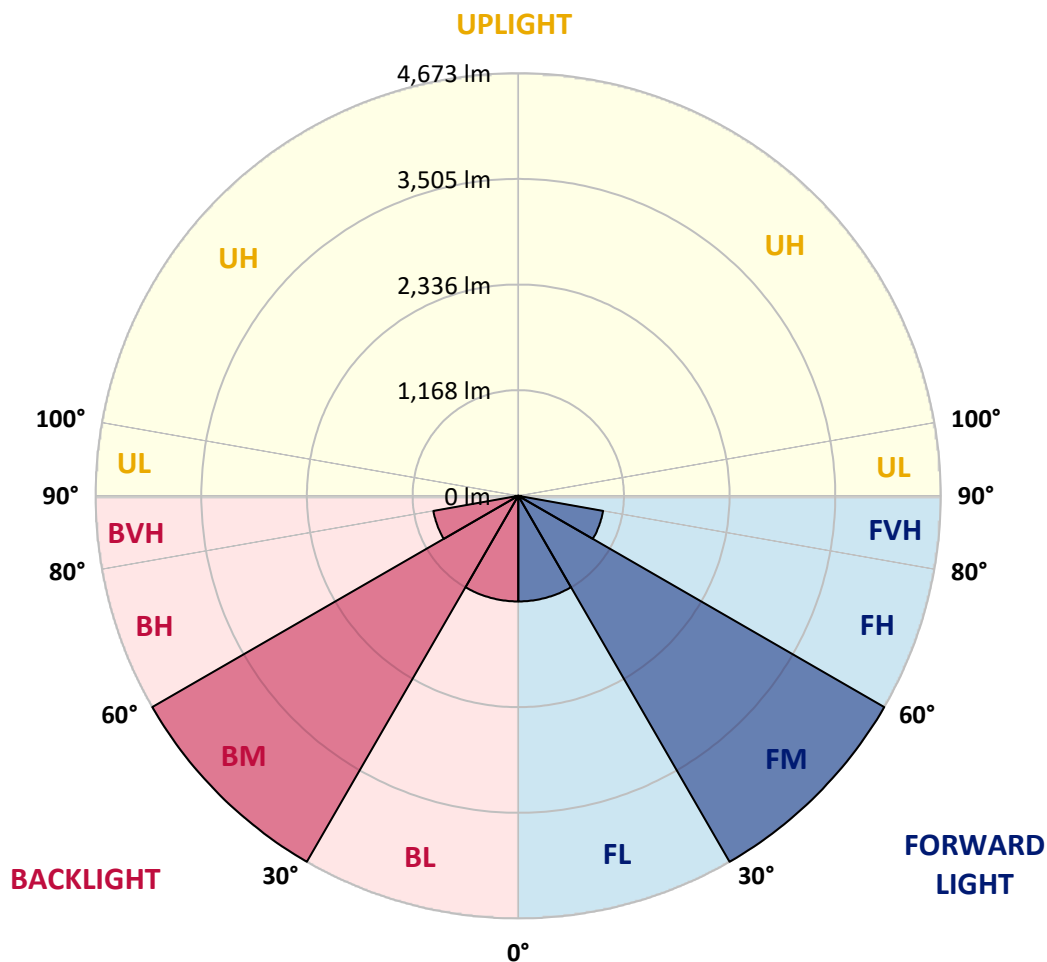
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.7	8.6			
FM (30°-60°)	4672.9	34.2			
FH (60°-80°)	952.6	7.0			G1/1800
FVH (80°-90°)	34.3	0.3			G1/100
BL (0°-30°)	1167.7	8.6	B3/2500		
BM (30°-60°)	4672.9	34.2	B3/5000		
BH (60°-80°)	952.6	7.0	B2/1000		G1/1800
BVH (80°-90°)	34.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8
2.5°	2683.3	2710.2	2698.4	2691.7	2696.8	2688.4	2674.9	2690.0	2686.7	2673.2	2668.2
5°	2676.6	2696.8	2683.3	2696.8	2683.3	2706.9	2700.1	2674.9	2705.2	2676.6	2686.7
7.5°	2671.5	2678.3	2681.6	2674.9	2669.8	2698.4	2683.3	2671.5	2654.7	2649.7	2658.1
10°	2659.8	2676.6	2651.3	2685.0	2691.7	2671.5	2671.5	2649.7	2636.2	2627.8	2656.4
12.5°	2690.0	2661.4	2658.1	2674.9	2679.9	2688.4	2664.8	2653.0	2627.8	2631.2	2626.1
15°	2654.7	2666.5	2668.2	2671.5	2676.6	2696.8	2674.9	2649.7	2639.6	2604.2	2607.6
17.5°	2668.2	2656.4	2668.2	2706.9	2700.1	2715.3	2691.7	2653.0	2629.5	2609.3	2636.2
20°	2691.7	2686.7	2691.7	2738.8	2747.2	2760.7	2740.5	2705.2	2659.8	2636.2	2649.7
22.5°	2716.9	2713.6	2716.9	2762.4	2811.2	2828.0	2807.8	2725.4	2701.8	2658.1	2642.9
25°	2762.4	2765.7	2801.1	2851.5	2883.5	2915.5	2878.5	2819.6	2743.9	2716.9	2685.0
27.5°	2863.3	2871.7	2891.9	2965.9	3021.5	3050.0	2997.9	2917.1	2870.0	2814.5	2806.1
30°	2987.8	2987.8	3023.1	3087.1	3162.8	3206.5	3142.6	3046.7	2989.5	2959.2	2940.7
32.5°	3152.7	3134.2	3147.6	3260.3	3378.1	3415.1	3329.3	3211.6	3120.7	3080.3	3066.9
35°	3294.0	3305.8	3336.0	3457.2	3588.4	3674.2	3539.6	3386.5	3294.0	3257.0	3250.2
37.5°	3477.4	3497.5	3512.7	3679.2	3837.4	3869.3	3739.8	3617.0	3504.3	3474.0	3457.2
40°	3736.4	3723.0	3728.0	3850.8	3993.8	4014.0	3886.2	3798.7	3706.2	3687.6	3687.6
42.5°	3950.1	3935.0	3951.8	3997.2	4106.5	4091.4	4020.7	3956.8	3918.1	3897.9	3918.1
45°	4079.6	4076.3	4106.5	4140.2	4217.6	4167.1	4111.6	4121.7	4084.7	4051.0	4049.3
47.5°	4220.9	4199.1	4236.1	4286.6	4227.7	4204.1	4200.8	4222.6	4210.9	4152.0	4133.5
50°	4289.9	4281.5	4340.4	4399.3	4367.3	4313.5	4325.2	4360.6	4209.2	4130.1	4084.7
52.5°	4475.0	4476.7	4589.4	4621.3	4607.9	4528.8	4554.0	4458.2	4279.8	4168.8	4173.8
55°	4766.0	4754.2	4880.4	4974.6	4989.8	4888.8	4767.7	4633.1	4409.4	4296.6	4263.0
57°	4606.2	4633.1	4772.7	5052.0	5193.3	5073.9	4809.8	4564.1	4266.4	4130.1	4069.5
57.5°	4392.5	4436.3	4678.5	4959.5	5107.5	5097.4	4757.6	4436.3	4170.5	3958.5	3963.6
60°	3218.3	3226.7	3445.4	3891.2	4353.8	4363.9	3950.1	3524.5	3228.4	2997.9	3029.9
62.5°	1697.5	1736.2	1823.6	2182.0	2582.4	2679.9	2429.3	2210.6	1954.9	1779.9	1796.7
65°	898.4	893.3	935.4	1036.3	1233.1	1283.6	1250.0	1076.7	987.5	958.9	960.6
67.5°	730.1	738.5	733.5	738.5	752.0	773.9	768.8	775.6	780.6	789.0	787.3
70°	619.1	619.1	622.5	624.1	624.1	634.2	646.0	667.9	669.6	678.0	681.3
72.5°	487.9	484.5	489.6	501.3	503.0	511.4	528.2	541.7	546.8	546.8	536.7
75°	331.4	334.8	341.5	351.6	361.7	376.8	390.3	398.7	402.1	397.0	392.0
77.5°	186.7	190.1	195.1	210.3	222.1	235.5	250.7	259.1	267.5	269.2	259.1
80°	111.0	111.0	119.4	131.2	144.7	158.1	171.6	181.7	185.1	185.1	180.0
82.5°	67.3	69.0	75.7	87.5	99.3	107.7	119.4	127.9	134.6	132.9	129.5
85°	35.3	35.3	42.1	52.2	60.6	69.0	69.0	63.9	60.6	52.2	48.8
87.5°	11.8	10.1	13.5	13.5	11.8	13.5	13.5	15.1	15.1	15.1	15.1
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)