

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: P529808

Luminaire Tested: **GALN-SA5A-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529808  
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-SA5A-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 615mA 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: 18409 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

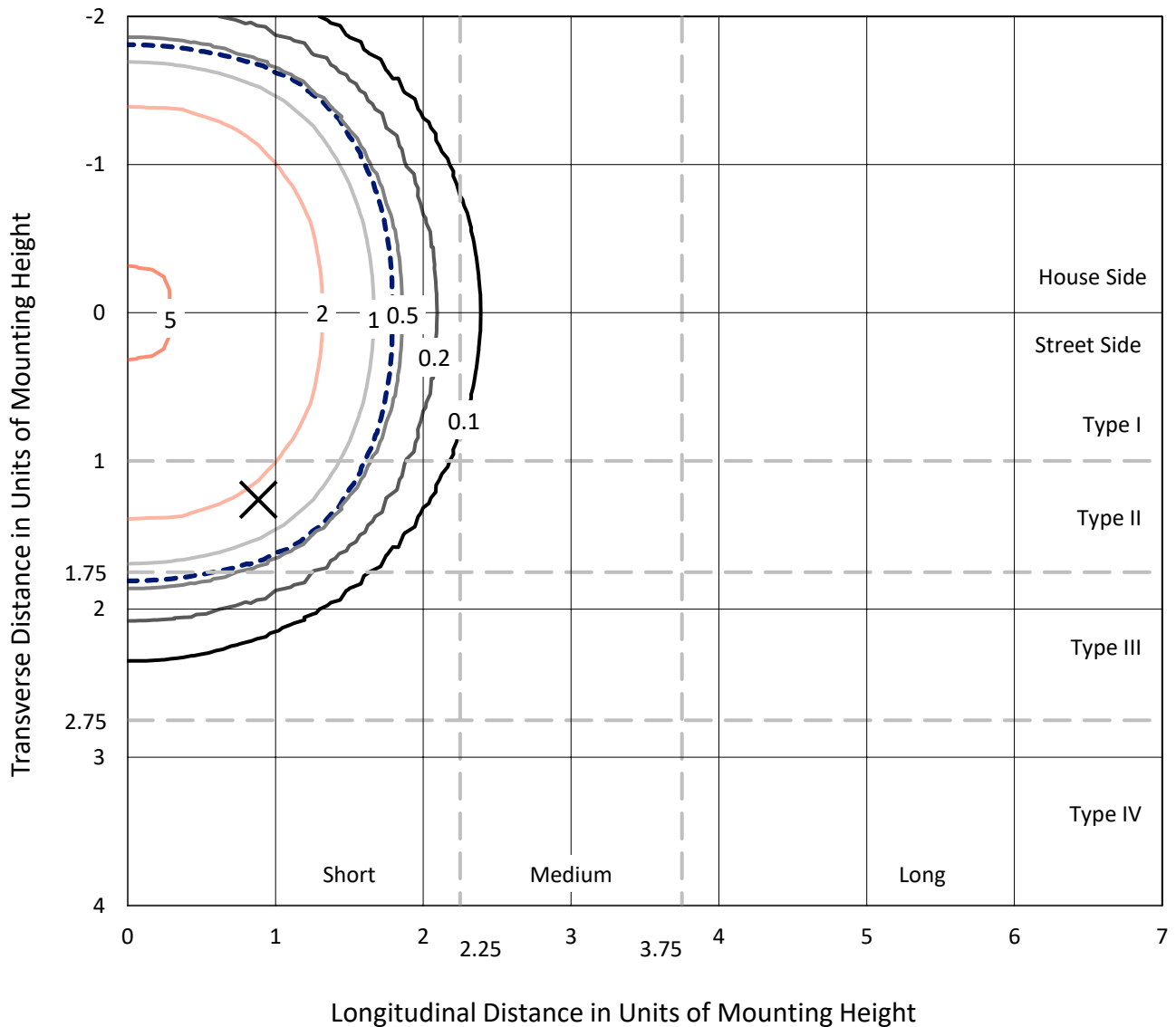
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

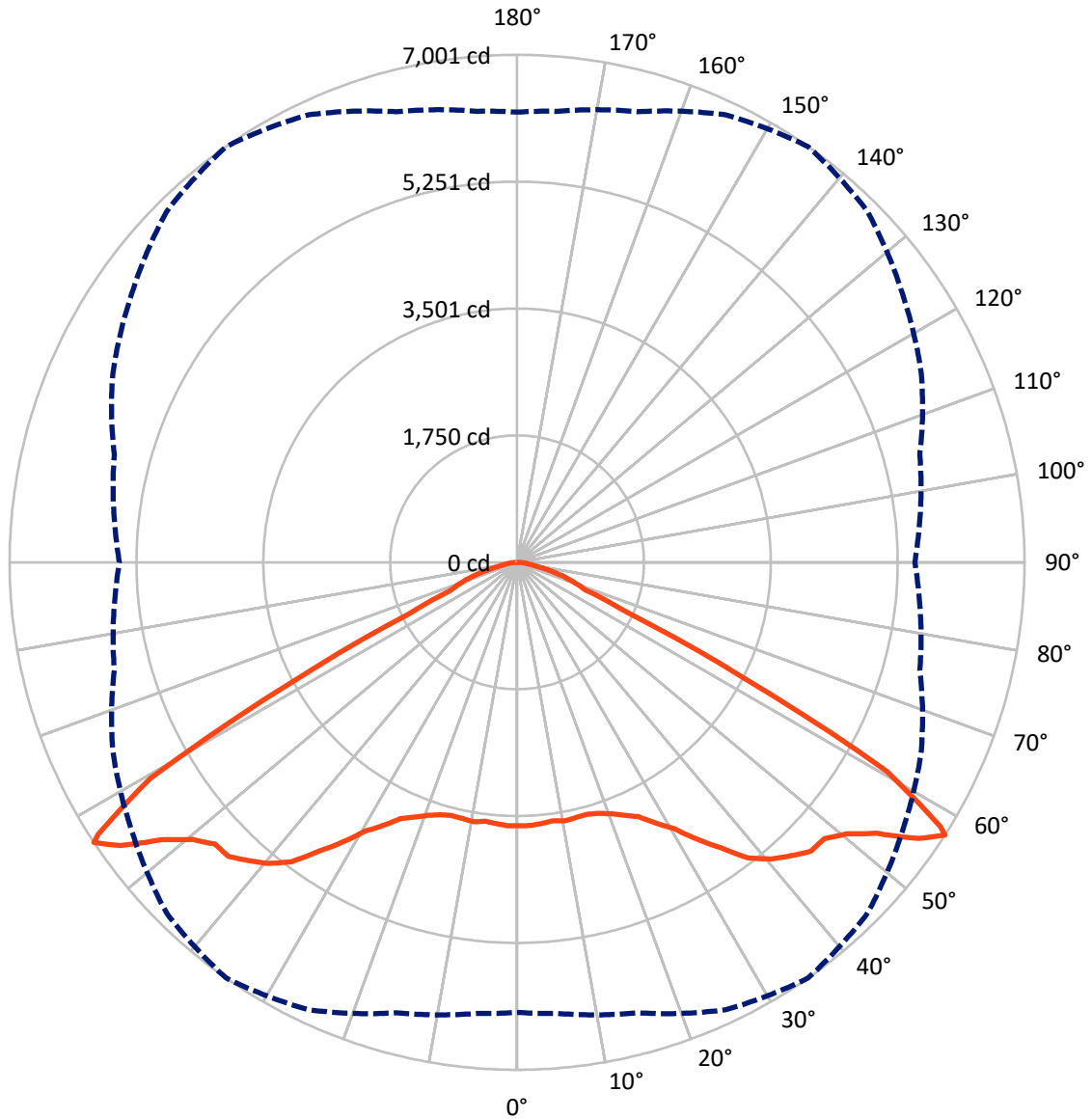
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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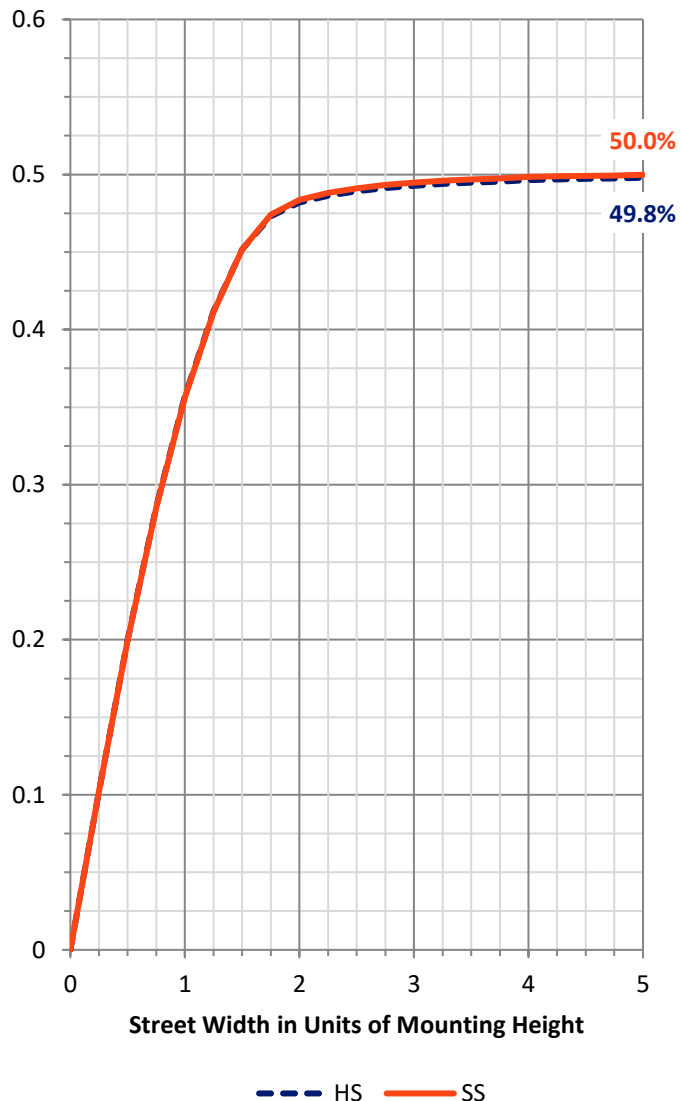
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9204.5	0.0	9204.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9204.5	0.0	9204.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18409.0	0.0	18409.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.7	1.9
10°-20°	1020.8	5.5
20°-30°	1782.8	9.7
30°-40°	2921.3	15.9
40°-50°	4283.3	23.3
50°-60°	5395.1	29.3
60°-70°	2029.0	11.0
70°-80°	539.5	2.9
80°-90°	92.5	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°	18409.0	100.0
0°-180°	18409.0	100.0

**Coefficient of Utilization**



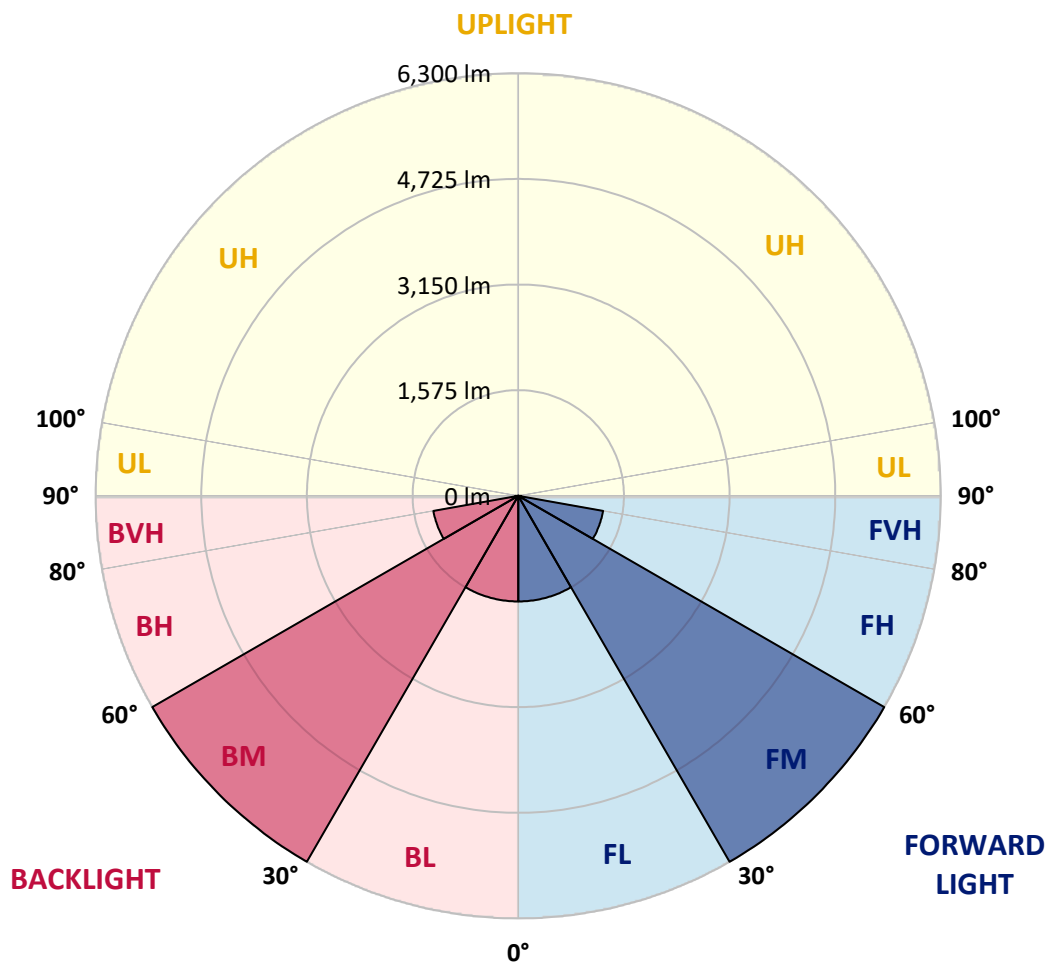
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1574.2	8.6			
FM (30°-60°)	6299.8	34.2			
FH (60°-80°)	1284.3	7.0			G1/1800
FVH (80°-90°)	46.2	0.3			G1/100
BL (0°-30°)	1574.2	8.6	B3/2500		
BM (30°-60°)	6299.8	34.2	B4/8500		
BH (60°-80°)	1284.3	7.0	B3/2500		G1/1800
BVH (80°-90°)	46.2	0.3			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°	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6	3635.6
2.5°	3617.5	3653.8	3637.9	3628.8	3635.6	3624.3	3606.2	3626.6	3622.0	3603.9	3597.1
5°	3608.4	3635.6	3617.5	3635.6	3617.5	3649.3	3640.2	3606.2	3647.0	3608.4	3622.0
7.5°	3601.6	3610.7	3615.2	3606.2	3599.4	3637.9	3617.5	3601.6	3578.9	3572.1	3583.5
10°	3585.7	3608.4	3574.4	3619.8	3628.8	3601.6	3601.6	3572.1	3554.0	3542.7	3581.2
12.5°	3626.6	3588.0	3583.5	3606.2	3613.0	3624.3	3592.5	3576.7	3542.7	3547.2	3540.4
15°	3578.9	3594.8	3597.1	3601.6	3608.4	3635.6	3606.2	3572.1	3558.5	3510.9	3515.4
17.5°	3597.1	3581.2	3597.1	3649.3	3640.2	3660.6	3628.8	3576.7	3544.9	3517.7	3554.0
20°	3628.8	3622.0	3628.8	3692.3	3703.7	3721.8	3694.6	3647.0	3585.7	3554.0	3572.1
22.5°	3662.9	3658.3	3662.9	3724.1	3789.9	3812.5	3785.3	3674.2	3642.4	3583.5	3563.1
25°	3724.1	3728.6	3776.3	3844.3	3887.4	3930.5	3880.6	3801.2	3699.1	3662.9	3619.8
27.5°	3860.2	3871.5	3898.7	3998.5	4073.4	4111.9	4041.6	3932.8	3869.2	3794.4	3783.1
30°	4028.0	4028.0	4075.6	4161.8	4263.9	4322.9	4236.7	4107.4	4030.3	3989.5	3964.5
32.5°	4250.3	4225.3	4243.5	4395.4	4554.2	4604.1	4488.4	4329.7	4207.2	4152.8	4134.6
35°	4440.8	4456.7	4497.5	4660.8	4837.7	4953.4	4771.9	4565.5	4440.8	4390.9	4381.8
37.5°	4688.0	4715.2	4735.6	4960.2	5173.4	5216.5	5041.8	4876.3	4724.3	4683.5	4660.8
40°	5037.3	5019.1	5025.9	5191.5	5384.3	5411.5	5239.1	5121.2	4996.5	4971.5	4971.5
42.5°	5325.3	5304.9	5327.6	5388.8	5536.2	5515.8	5420.6	5334.4	5282.2	5255.0	5282.2
45°	5500.0	5495.4	5536.2	5581.6	5685.9	5617.9	5543.0	5556.7	5506.8	5461.4	5459.1
47.5°	5690.5	5661.0	5710.9	5778.9	5699.5	5667.8	5663.3	5692.7	5676.9	5597.5	5572.5
50°	5783.5	5772.1	5851.5	5930.9	5887.8	5815.2	5831.1	5878.7	5674.6	5568.0	5506.8
52.5°	6032.9	6035.2	6187.2	6230.3	6212.1	6105.5	6139.5	6010.3	5769.9	5620.2	5627.0
55°	6425.3	6409.4	6579.5	6706.5	6727.0	6590.9	6427.6	6246.1	5944.5	5792.5	5747.2
57°	6209.8	6246.1	6434.4	6810.9	7001.4	6840.4	6484.3	6153.1	5751.7	5568.0	5486.3
57.5°	5921.8	5980.8	6307.4	6686.1	6885.7	6872.1	6414.0	5980.8	5622.4	5336.7	5343.5
60°	4338.7	4350.1	4644.9	5245.9	5869.6	5883.3	5325.3	4751.5	4352.3	4041.6	4084.7
62.5°	2288.4	2340.6	2458.5	2941.6	3481.4	3613.0	3275.0	2980.2	2635.4	2399.6	2422.2
65°	1211.1	1204.3	1261.0	1397.1	1662.5	1730.5	1685.1	1451.5	1331.3	1292.8	1295.0
67.5°	984.3	995.7	988.9	995.7	1013.8	1043.3	1036.5	1045.6	1052.4	1063.7	1061.4
70°	834.6	834.6	839.2	841.4	841.4	855.0	870.9	900.4	902.7	914.0	918.5
72.5°	657.7	653.2	660.0	675.9	678.1	689.5	712.2	730.3	737.1	737.1	723.5
75°	446.8	451.3	460.4	474.0	487.6	508.0	526.2	537.5	542.1	535.3	528.4
77.5°	251.8	256.3	263.1	283.5	299.4	317.5	337.9	349.3	360.6	362.9	349.3
80°	149.7	149.7	161.0	176.9	195.1	213.2	231.3	244.9	249.5	249.5	242.7
82.5°	90.7	93.0	102.1	117.9	133.8	145.2	161.0	172.4	181.4	179.2	174.6
85°	47.6	47.6	56.7	70.3	81.6	93.0	93.0	86.2	81.6	70.3	65.8
87.5°	15.9	13.6	18.1	18.1	15.9	18.1	18.1	20.4	20.4	20.4	20.4
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)