

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: P529812

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529812  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
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-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17695 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

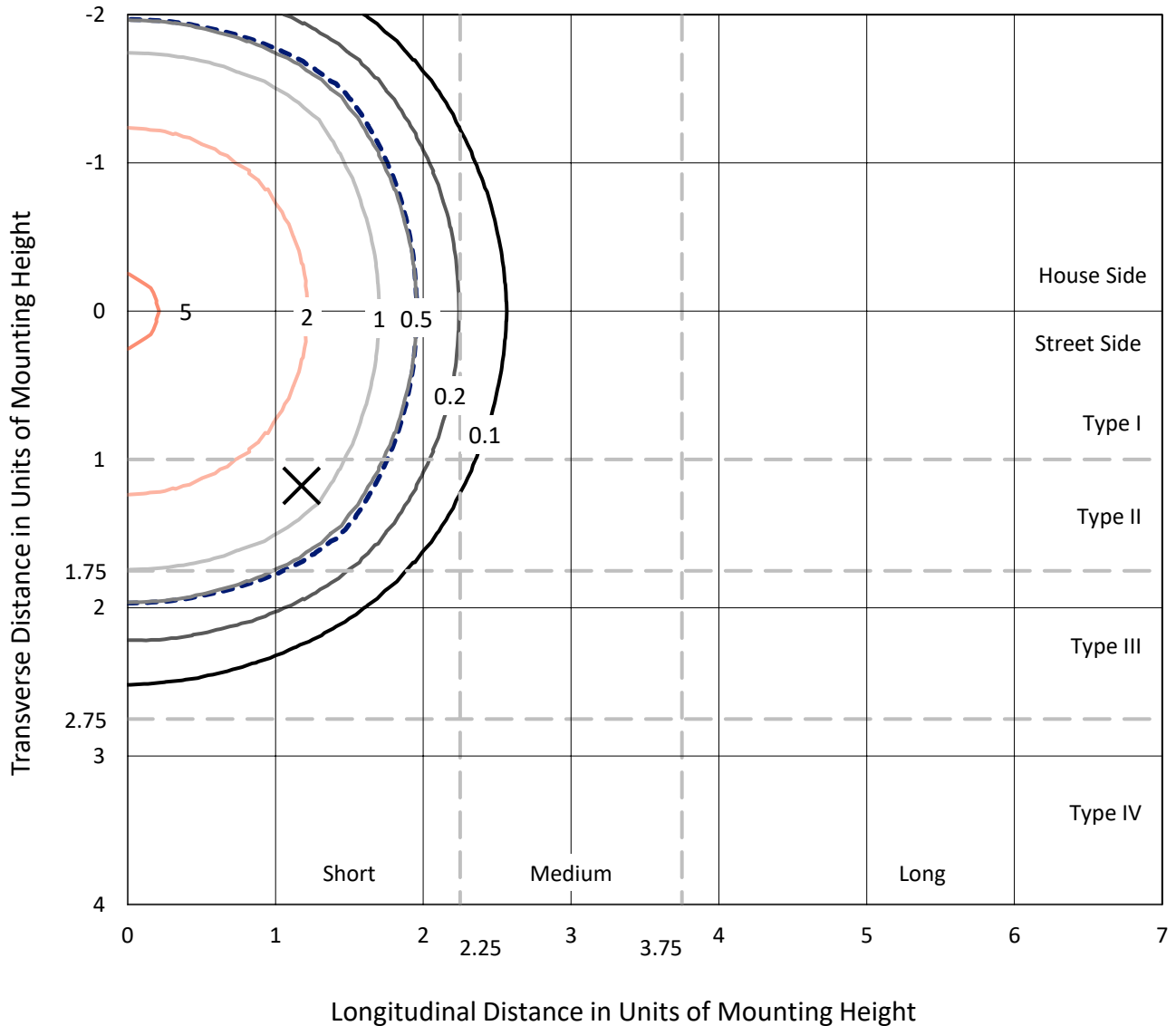
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

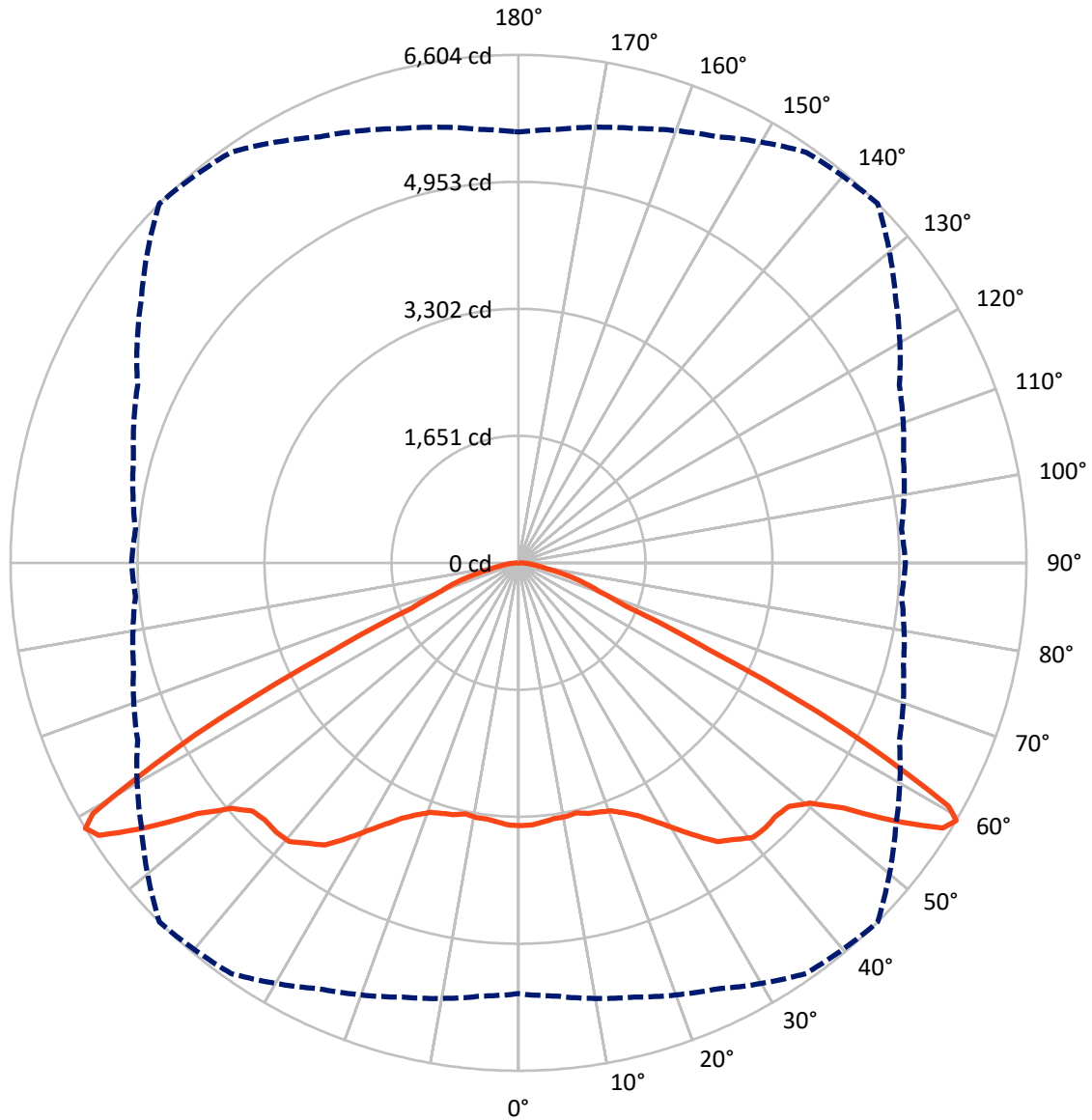
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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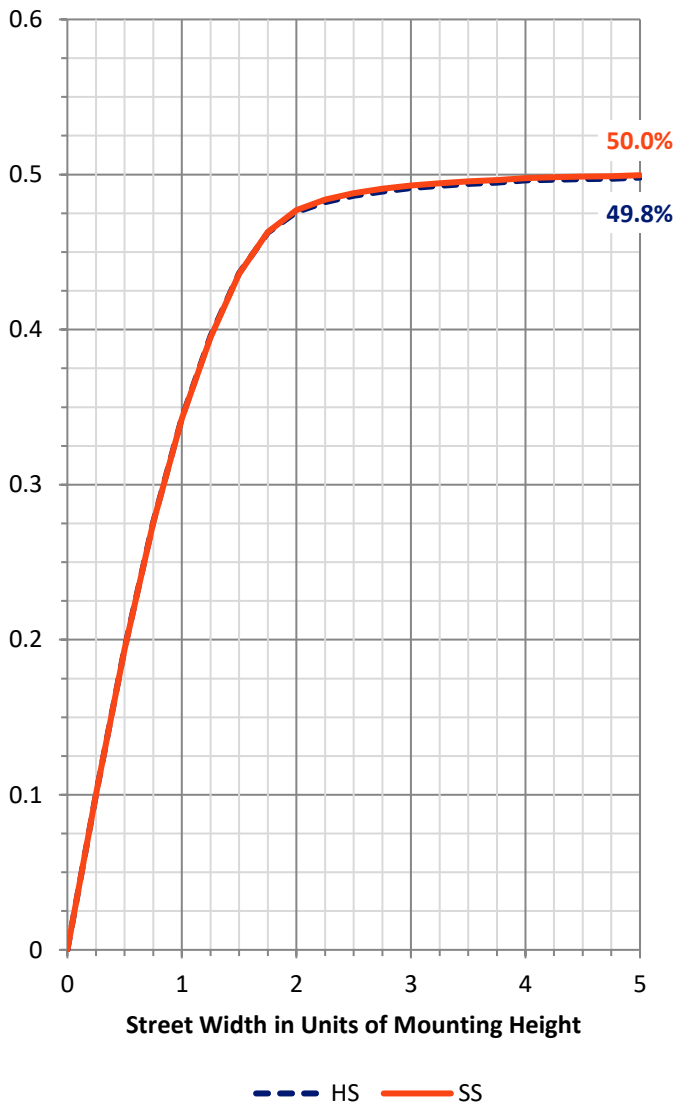
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8847.5	0.0	8847.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8847.5	0.0	8847.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17695.0	0.0	17695.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.2	1.8
10°-20°	958.1	5.4
20°-30°	1673.0	9.5
30°-40°	2672.1	15.1
40°-50°	3639.9	20.6
50°-60°	4922.1	27.8
60°-70°	2699.3	15.3
70°-80°	690.6	3.9
80°-90°	117.8	0.7
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°	17695.0	100.0
0°-180°	17695.0	100.0



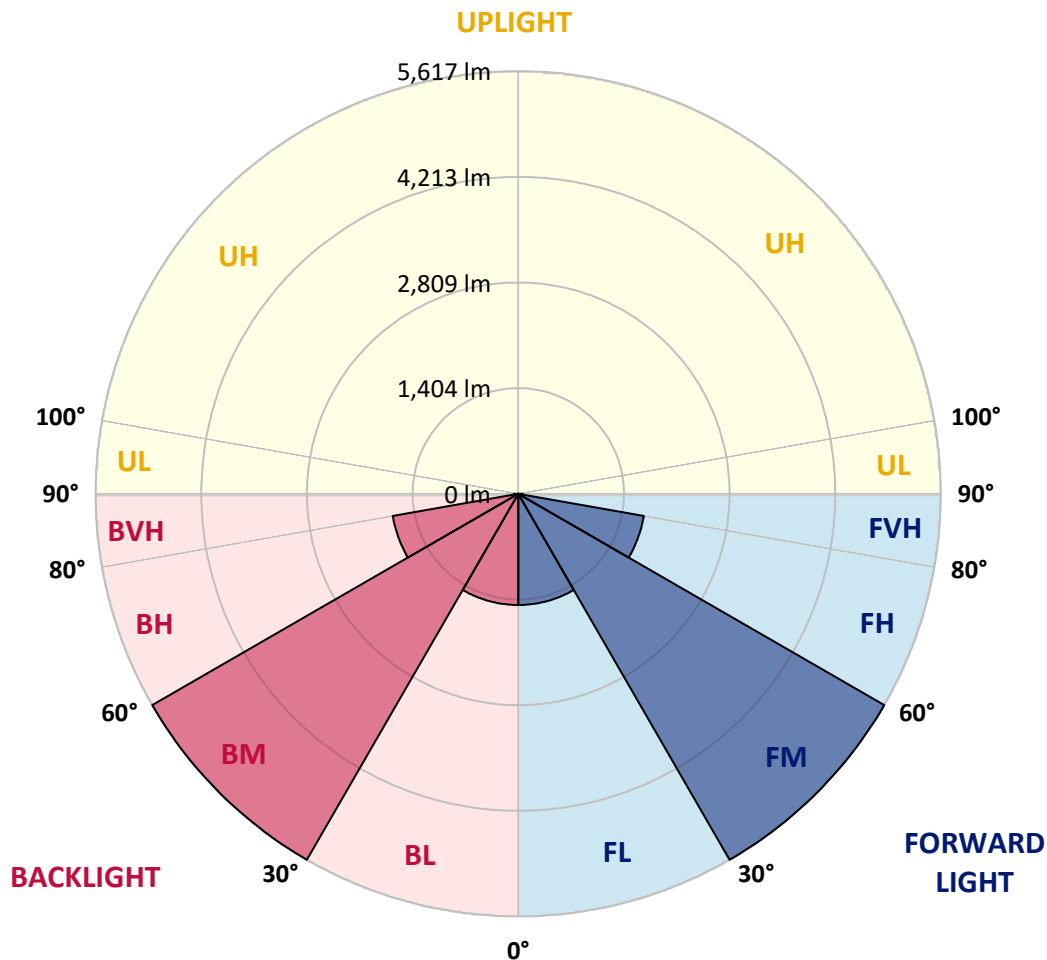
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.7	8.3			
FM (30°-60°)	5617.0	31.7			
FH (60°-80°)	1694.9	9.6			G1/1800
FVH (80°-90°)	58.9	0.3			G1/100
BL (0°-30°)	1476.7	8.3	B3/2500		
BM (30°-60°)	5617.0	31.7	B4/8500		
BH (60°-80°)	1694.9	9.6	B3/2500		G1/1800
BVH (80°-90°)	58.9	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°	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8	3417.8
2.5°	3397.4	3422.4	3404.2	3420.1	3417.8	3411.0	3399.7	3392.9	3383.8	3397.4	3374.7
5°	3383.8	3404.2	3424.6	3397.4	3397.4	3383.8	3377.0	3363.4	3363.4	3361.1	3358.9
7.5°	3406.5	3386.1	3377.0	3381.5	3386.1	3356.6	3377.0	3349.8	3327.1	3343.0	3361.1
10°	3386.1	3395.1	3361.1	3377.0	3352.1	3356.6	3343.0	3361.1	3336.2	3336.2	3336.2
12.5°	3406.5	3381.5	3392.9	3381.5	3374.7	3336.2	3354.3	3333.9	3331.6	3354.3	3333.9
15°	3447.3	3406.5	3397.4	3374.7	3381.5	3381.5	3363.4	3365.7	3340.7	3354.3	3358.9
17.5°	3433.7	3411.0	3404.2	3377.0	3399.7	3406.5	3372.5	3349.8	3365.7	3363.4	3361.1
20°	3445.0	3454.1	3447.3	3451.8	3460.9	3442.8	3411.0	3379.3	3358.9	3388.3	3386.1
22.5°	3517.6	3508.5	3504.0	3499.5	3515.4	3533.5	3490.4	3440.5	3440.5	3460.9	3470.0
25°	3576.6	3574.3	3572.0	3592.5	3646.9	3646.9	3592.5	3529.0	3513.1	3526.7	3515.4
27.5°	3662.8	3687.7	3678.6	3714.9	3794.3	3812.5	3739.9	3665.0	3621.9	3606.1	3626.5
30°	3860.1	3830.6	3837.4	3876.0	3946.3	4005.2	3894.1	3814.7	3755.8	3753.5	3762.6
32.5°	3991.6	4014.3	4034.7	4071.0	4182.1	4227.5	4093.7	3964.4	3928.1	3907.7	3914.5
35°	4254.7	4234.3	4229.8	4266.0	4377.2	4452.0	4284.2	4170.8	4123.2	4168.5	4168.5
37.5°	4504.2	4447.5	4404.4	4452.0	4554.1	4563.2	4420.3	4359.0	4334.1	4386.3	4384.0
40°	4622.1	4617.6	4517.8	4545.0	4681.1	4694.7	4560.9	4488.3	4483.8	4551.8	4619.9
42.5°	4744.6	4701.5	4601.7	4619.9	4703.8	4708.3	4581.3	4560.9	4610.8	4676.6	4681.1
45°	4765.0	4728.7	4665.2	4619.9	4681.1	4694.7	4619.9	4633.5	4638.0	4717.4	4717.4
47.5°	4805.8	4801.3	4765.0	4731.0	4742.3	4731.0	4683.4	4703.8	4771.8	4810.4	4792.2
50°	4919.2	4871.6	4907.9	4878.4	4880.7	4912.4	4869.3	4889.7	4876.1	4842.1	4819.4
52.5°	5168.7	5146.0	5177.8	5198.2	5220.9	5293.4	5243.5	5134.7	5032.6	4941.9	4939.6
55°	5533.8	5549.7	5611.0	5715.3	5803.7	5919.4	5679.0	5418.2	5254.9	5112.0	5121.1
57.5°	5878.6	5867.2	5951.1	6189.3	6447.8	6506.8	6035.1	5663.1	5397.8	5307.0	5268.5
59°	5601.9	5656.3	5846.8	6112.2	6518.1	6604.3	5987.4	5463.5	5182.3	4998.6	5030.4
60°	5166.4	5186.8	5356.9	5726.6	6275.5	6422.9	5667.7	5155.1	4780.9	4674.3	4721.9
62.5°	3651.4	3635.6	3758.0	4059.7	4551.8	4751.4	4213.9	3853.3	3617.4	3499.5	3526.7
65°	1941.4	2014.0	2063.9	2252.1	2512.9	2723.8	2501.6	2345.1	2213.5	2116.0	2113.7
67.5°	1310.9	1301.8	1313.2	1356.2	1444.7	1503.7	1499.1	1419.7	1408.4	1390.3	1410.7
70°	1104.5	1100.0	1079.6	1079.6	1097.7	1111.3	1127.2	1136.3	1154.4	1177.1	1174.8
72.5°	895.8	884.5	870.9	864.1	886.8	893.6	914.0	923.1	938.9	936.7	957.1
75°	591.9	591.9	607.8	626.0	632.8	646.4	648.6	675.9	675.9	680.4	662.2
77.5°	331.1	322.1	333.4	351.5	367.4	392.4	417.3	437.7	449.1	444.5	444.5
80°	192.8	192.8	204.1	224.5	244.9	267.6	285.8	301.6	313.0	308.4	299.4
82.5°	120.2	120.2	131.5	152.0	167.8	181.4	206.4	226.8	240.4	235.9	224.5
85°	61.2	61.2	74.8	88.5	108.9	117.9	115.7	106.6	104.3	93.0	93.0
87.5°	15.9	15.9	22.7	24.9	20.4	22.7	22.7	22.7	22.7	22.7	24.9
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)