

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: P532623

Luminaire Tested: **GALN-SA8A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8A-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21734 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

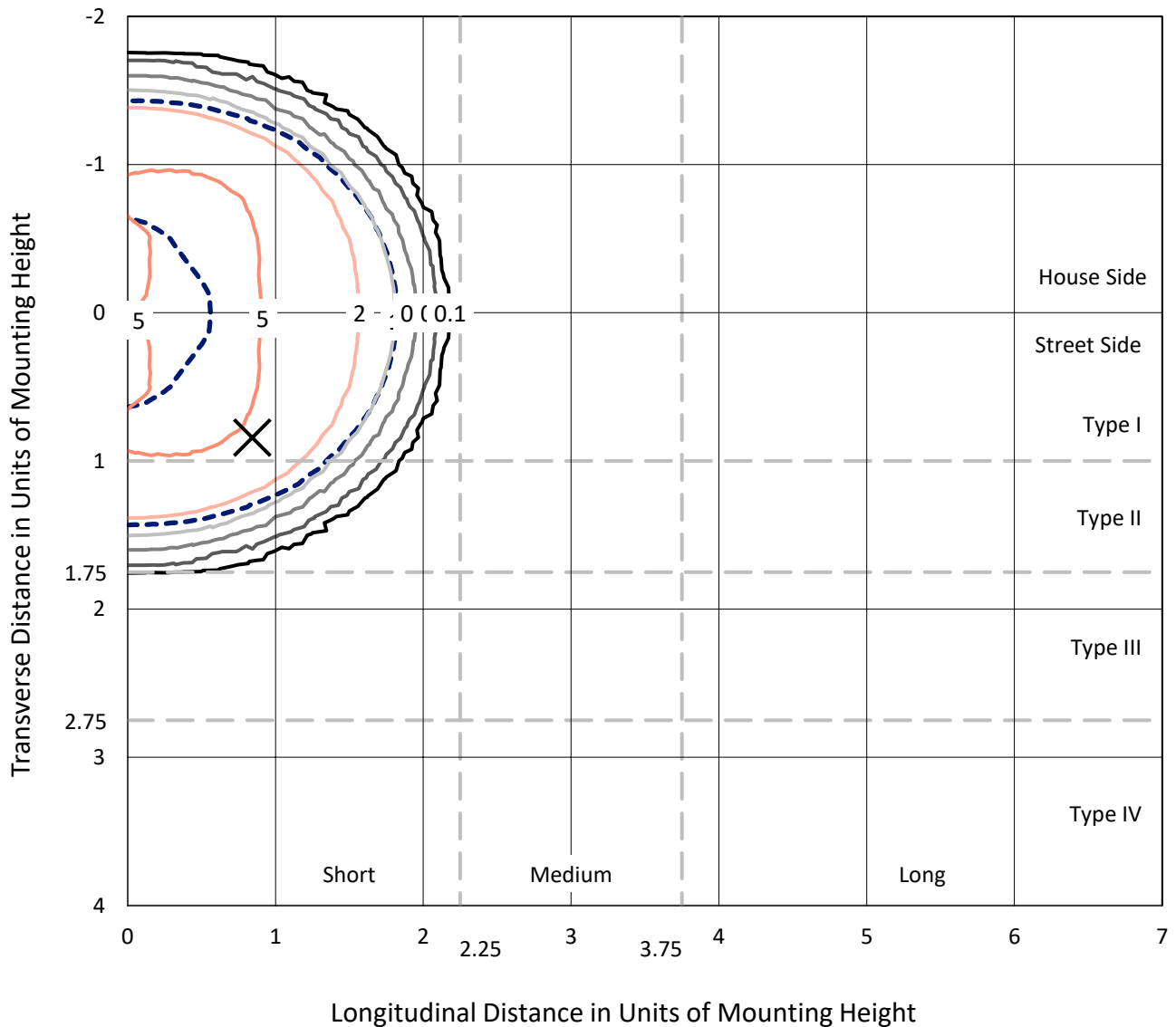
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

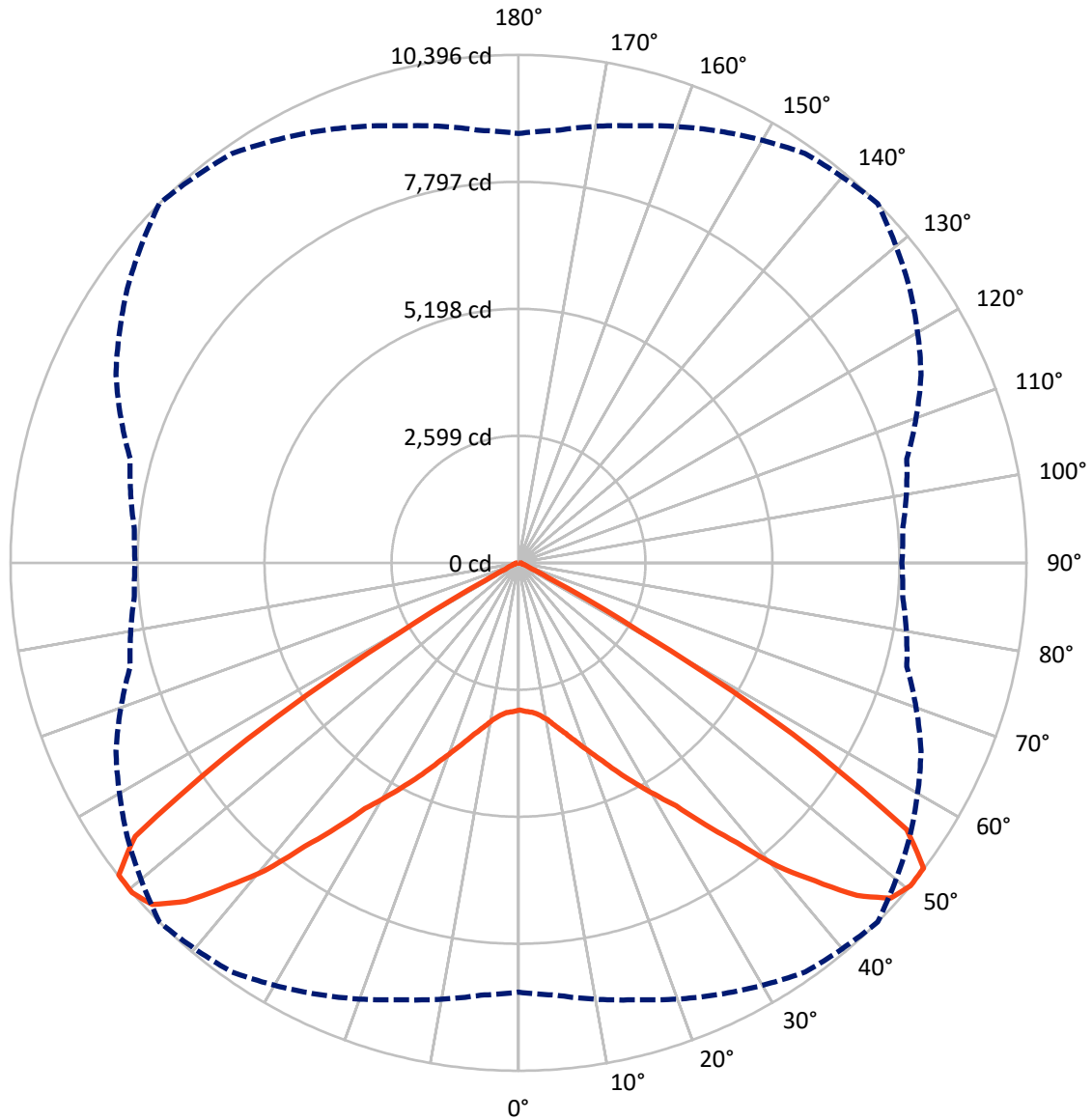
× Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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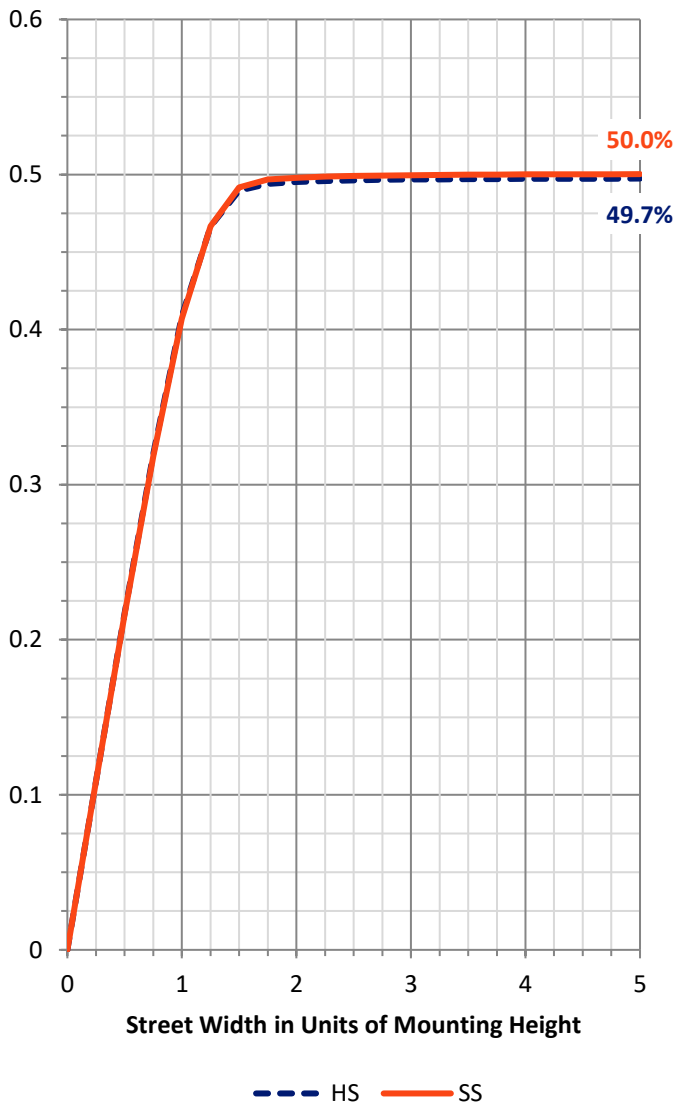
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10867.0	0.0	10867.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10867.0	0.0	10867.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21734.0	0.0	21734.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.8	1.4
10°-20°	1033.2	4.8
20°-30°	2110.1	9.7
30°-40°	4024.0	18.5
40°-50°	6781.1	31.2
50°-60°	6466.9	29.8
60°-70°	902.8	4.2
70°-80°	86.3	0.4
80°-90°	29.8	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°	21734.0	100.0
0°-180°	21734.0	100.0



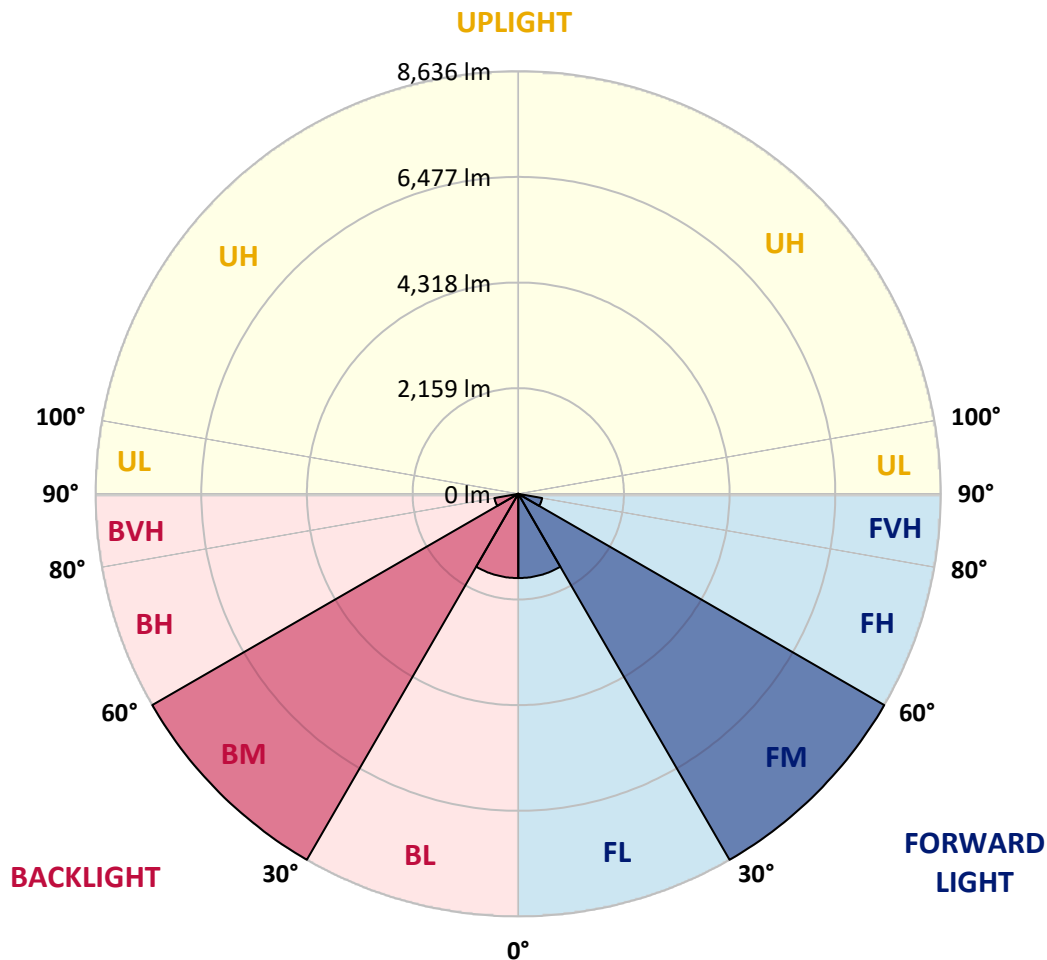
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1721.5	7.9			
FM (30°-60°)	8636.0	39.7			
FH (60°-80°)	494.5	2.3			G0/660
FVH (80°-90°)	14.9	0.1			G1/100
BL (0°-30°)	1721.5	7.9	B3/2500		
BM (30°-60°)	8636.0	39.7	B5		
BH (60°-80°)	494.5	2.3	B1/500		G0/660
BVH (80°-90°)	14.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2	3013.2
2.5°	3002.2	3002.2	2998.6	3027.8	3013.2	3046.1	3042.4	3053.4	3064.4	3060.7	3090.0
5°	2976.6	2973.0	2973.0	3005.9	3038.8	3075.3	3108.3	3130.2	3166.8	3166.8	3203.3
7.5°	3002.2	2983.9	3009.5	3024.2	3086.3	3148.5	3203.3	3247.2	3331.3	3360.6	3349.6
10°	3009.5	3031.5	3049.7	3093.6	3170.4	3265.5	3313.0	3422.7	3517.8	3583.6	3598.3
12.5°	3057.1	3090.0	3141.2	3247.2	3316.7	3441.0	3506.8	3612.9	3744.5	3817.7	3868.9
15°	3148.5	3159.5	3225.3	3360.6	3510.5	3623.9	3726.3	3803.0	3931.0	4015.1	4018.8
17.5°	3265.5	3313.0	3404.5	3532.4	3689.7	3857.9	3938.3	4022.4	4070.0	4183.3	4208.9
20°	3499.5	3506.8	3594.6	3762.8	3960.3	4113.9	4172.4	4216.3	4198.0	4315.0	4336.9
22.5°	3718.9	3726.3	3836.0	4062.7	4274.8	4406.4	4432.0	4406.4	4351.6	4435.7	4443.0
25°	3942.0	4007.8	4088.3	4315.0	4578.3	4753.8	4757.5	4688.0	4574.6	4589.2	4625.8
27.5°	4289.4	4336.9	4421.0	4629.5	4918.4	5115.8	5082.9	4998.8	4852.5	4863.5	4852.5
30°	4695.3	4739.2	4808.7	5075.6	5287.7	5503.4	5551.0	5470.5	5251.1	5203.6	5258.4
32.5°	5185.3	5247.5	5375.5	5620.5	5799.6	5931.3	5964.2	5934.9	5730.2	5711.9	5748.4
35°	5781.4	5865.5	5982.5	6198.2	6344.5	6582.2	6582.2	6483.5	6297.0	6318.9	6315.2
37.5°	6410.3	6534.7	6717.5	6936.9	7134.4	7262.3	7222.1	7138.0	6951.5	6904.0	6951.5
40°	7200.2	7262.3	7492.7	7778.0	8019.3	8165.6	7993.7	7810.9	7364.7	7434.2	7562.2
42.5°	7920.6	8019.3	8194.8	8509.3	8783.6	8904.2	8699.5	8337.4	7799.9	7745.0	7840.1
45°	8534.9	8641.0	8871.3	9321.1	9610.0	9716.0	9262.6	8677.5	8063.2	7924.2	7964.4
47.5°	8944.5	8999.3	9321.1	9749.0	10012.2	10253.6	9602.7	8911.6	8187.5	7924.2	7909.6
50°	8787.2	8882.3	9258.9	9745.3	10224.3	10396.2	9774.6	9090.7	8227.7	7891.3	7847.4
52.5°	7803.6	7968.1	8388.6	9043.2	9767.2	10381.6	10012.2	9032.2	8213.1	7924.2	7990.0
55°	5430.3	5434.0	5945.9	6911.3	8191.2	9639.3	9664.8	9098.0	8308.2	8129.0	8132.7
57.5°	2183.1	2292.8	2684.1	3653.1	4834.3	6618.8	7869.4	8439.8	8319.2	8275.3	8388.6
60°	552.2	555.8	676.5	1031.2	1700.4	2837.7	4121.2	5576.6	6421.3	6710.2	6750.4
62.5°	281.6	285.2	314.5	365.7	464.4	760.6	1353.0	2146.5	3053.4	3514.2	3634.8
65°	230.4	230.4	248.7	274.3	277.9	292.5	351.1	501.0	727.7	826.4	837.4
67.5°	175.5	175.5	190.2	204.8	212.1	208.4	201.1	208.4	252.3	241.3	234.0
70°	109.7	113.4	120.7	135.3	142.6	146.3	149.9	157.2	179.2	186.5	179.2
72.5°	65.8	65.8	69.5	80.4	91.4	98.7	109.7	117.0	128.0	146.3	142.6
75°	29.3	29.3	36.6	47.5	58.5	69.5	80.4	91.4	98.7	109.7	113.4
77.5°	7.3	11.0	18.3	32.9	43.9	58.5	73.1	84.1	91.4	91.4	87.8
80°	3.7	3.7	14.6	25.6	47.5	62.2	80.4	87.8	98.7	91.4	80.4
82.5°	3.7	3.7	14.6	25.6	43.9	62.2	84.1	95.1	102.4	91.4	76.8
85°	0.0	3.7	11.0	21.9	36.6	43.9	36.6	25.6	14.6	14.6	11.0
87.5°	0.0	0.0	3.7	3.7	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)