

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: P533559

Luminaire Tested: **GALN-SA9A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533559  
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-SA9A-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 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: 24400 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

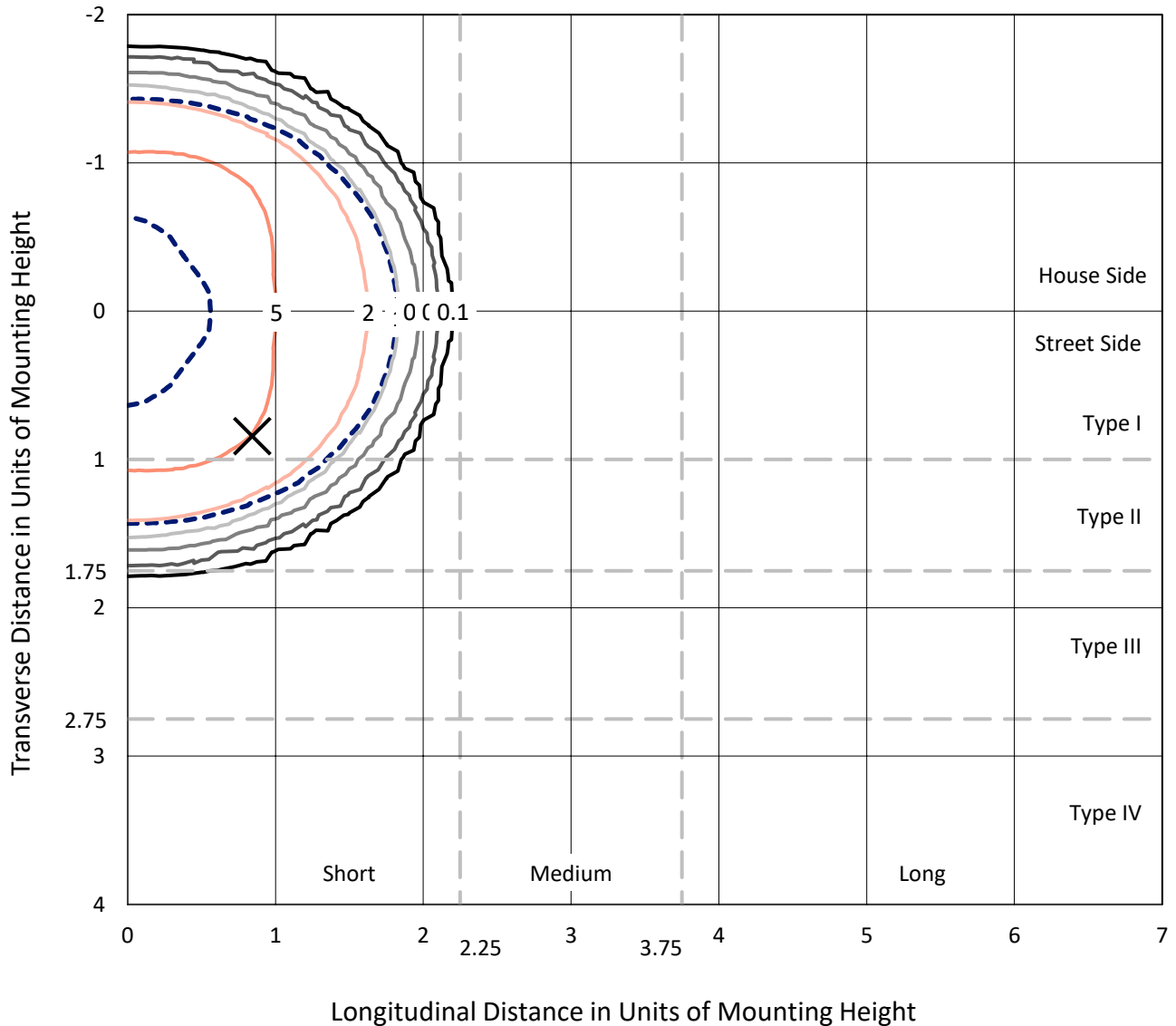
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

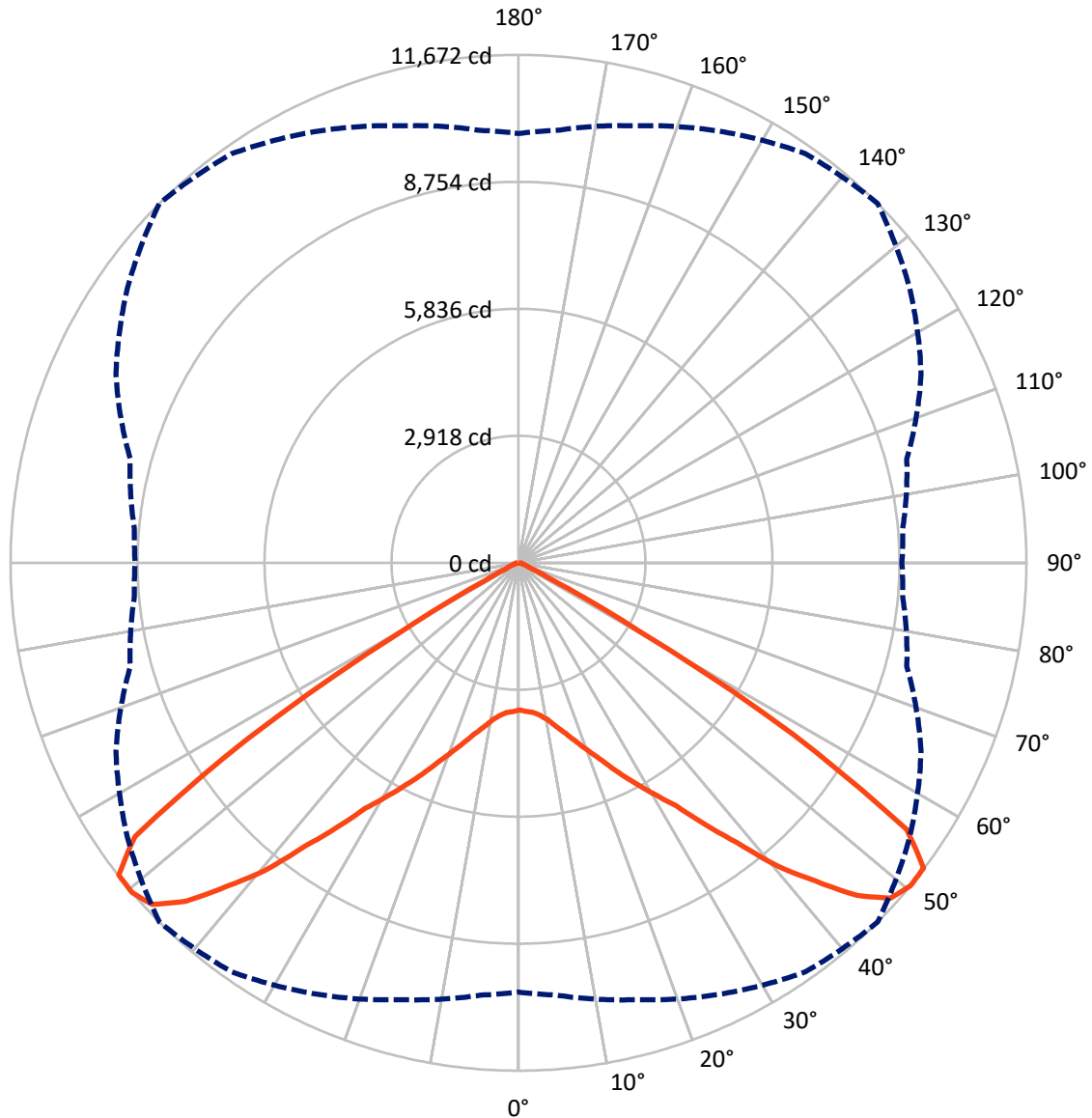
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	12200.0	0.0	12200.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12200.0	0.0	12200.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24400.0	0.0	24400.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.5	1.4
10°-20°	1159.9	4.8
20°-30°	2369.0	9.7
30°-40°	4517.6	18.5
40°-50°	7612.9	31.2
50°-60°	7260.2	29.8
60°-70°	1013.5	4.2
70°-80°	96.9	0.4
80°-90°	33.5	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°	24400.0	100.0
0°-180°	24400.0	100.0

**Coefficient of Utilization**

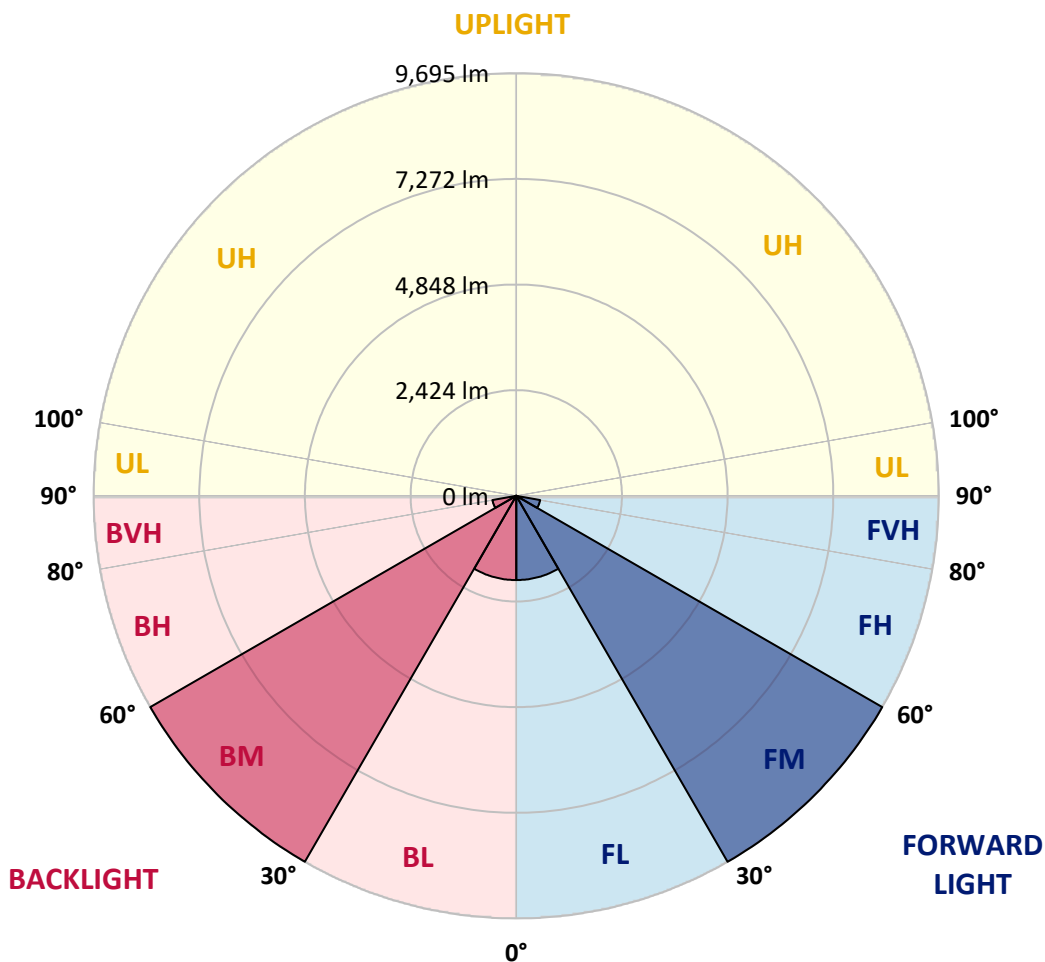


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.7	7.9			
FM (30°-60°)	9695.3	39.7			
FH (60°-80°)	555.2	2.3			G0/660
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	1932.7	7.9	B3/2500		
BM (30°-60°)	9695.3	39.7	B5		
BH (60°-80°)	555.2	2.3	B2/1000		G0/660
BVH (80°-90°)	16.7	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°	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8	3382.8
2.5°	3370.5	3370.5	3366.4	3399.2	3382.8	3419.7	3415.6	3428.0	3440.3	3436.2	3469.0
5°	3341.7	3337.6	3337.6	3374.6	3411.5	3452.6	3489.5	3514.2	3555.2	3555.2	3596.3
7.5°	3370.5	3349.9	3378.7	3395.1	3464.9	3534.7	3596.3	3645.5	3740.0	3772.8	3760.5
10°	3378.7	3403.3	3423.8	3473.1	3559.3	3666.1	3719.4	3842.6	3949.3	4023.2	4039.6
12.5°	3432.1	3469.0	3526.5	3645.5	3723.5	3863.1	3937.0	4056.1	4203.9	4286.0	4343.4
15°	3534.7	3547.0	3620.9	3772.8	3941.1	4068.4	4183.3	4269.5	4413.2	4507.7	4511.8
17.5°	3666.1	3719.4	3822.1	3965.7	4142.3	4331.1	4421.4	4515.9	4569.2	4696.5	4725.2
20°	3928.8	3937.0	4035.5	4224.4	4446.1	4618.5	4684.2	4733.4	4712.9	4844.3	4868.9
22.5°	4175.1	4183.3	4306.5	4561.0	4799.1	4946.9	4975.7	4946.9	4885.3	4979.8	4988.0
25°	4425.5	4499.4	4589.8	4844.3	5139.9	5336.9	5341.0	5263.0	5135.8	5152.2	5193.2
27.5°	4815.6	4868.9	4963.3	5197.3	5521.7	5743.4	5706.4	5612.0	5447.8	5460.1	5447.8
30°	5271.2	5320.5	5398.5	5698.2	5936.3	6178.5	6231.9	6141.6	5895.3	5841.9	5903.5
32.5°	5821.4	5891.1	6034.8	6309.9	6511.1	6658.8	6695.8	6662.9	6433.1	6412.5	6453.6
35°	6490.5	6584.9	6716.3	6958.5	7122.7	7389.6	7389.6	7278.7	7069.4	7094.0	7089.9
37.5°	7196.6	7336.2	7541.5	7787.8	8009.5	8153.2	8108.0	8013.6	7804.2	7750.9	7804.2
40°	8083.4	8153.2	8411.8	8732.0	9003.0	9167.2	8974.3	8769.0	8268.1	8346.1	8489.8
42.5°	8892.1	9003.0	9200.0	9553.1	9861.0	9996.5	9766.6	9360.2	8756.7	8695.1	8801.8
45°	9581.8	9700.9	9959.5	10464.5	10788.8	10907.9	10398.8	9741.9	9052.3	8896.2	8941.4
47.5°	10041.6	10103.2	10464.5	10944.8	11240.4	11511.3	10780.6	10004.7	9191.8	8896.2	8879.8
50°	9865.1	9971.8	10394.7	10940.7	11478.5	11671.5	10973.5	10205.8	9237.0	8859.3	8810.0
52.5°	8760.8	8945.5	9417.6	10152.5	10965.3	11655.0	11240.4	10140.2	9220.6	8896.2	8970.1
55°	6096.4	6100.5	6675.3	7759.1	9195.9	10821.6	10850.4	10214.1	9327.3	9126.1	9130.3
57.5°	2450.9	2574.0	3013.3	4101.2	5427.2	7430.6	8834.7	9475.1	9339.6	9290.4	9417.6
60°	619.9	624.0	759.5	1157.7	1909.0	3185.7	4626.7	6260.6	7209.0	7533.3	7578.4
62.5°	316.1	320.2	353.1	410.5	521.4	853.9	1519.0	2409.8	3428.0	3945.2	4080.7
65°	258.6	258.6	279.2	307.9	312.0	328.4	394.1	562.4	817.0	927.8	940.1
67.5°	197.1	197.1	213.5	229.9	238.1	234.0	225.8	234.0	283.3	271.0	262.7
70°	123.2	127.3	135.5	151.9	160.1	164.2	168.3	176.5	201.2	209.4	201.2
72.5°	73.9	73.9	78.0	90.3	102.6	110.8	123.2	131.4	143.7	164.2	160.1
75°	32.8	32.8	41.1	53.4	65.7	78.0	90.3	102.6	110.8	123.2	127.3
77.5°	8.2	12.3	20.5	36.9	49.3	65.7	82.1	94.4	102.6	102.6	98.5
80°	4.1	4.1	16.4	28.7	53.4	69.8	90.3	98.5	110.8	102.6	90.3
82.5°	4.1	4.1	16.4	28.7	49.3	69.8	94.4	106.7	114.9	102.6	86.2
85°	0.0	4.1	12.3	24.6	41.1	49.3	41.1	28.7	16.4	16.4	12.3
87.5°	0.0	0.0	4.1	4.1	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)