

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: P532615

Luminaire Tested: **GALN-SA8A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20184 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

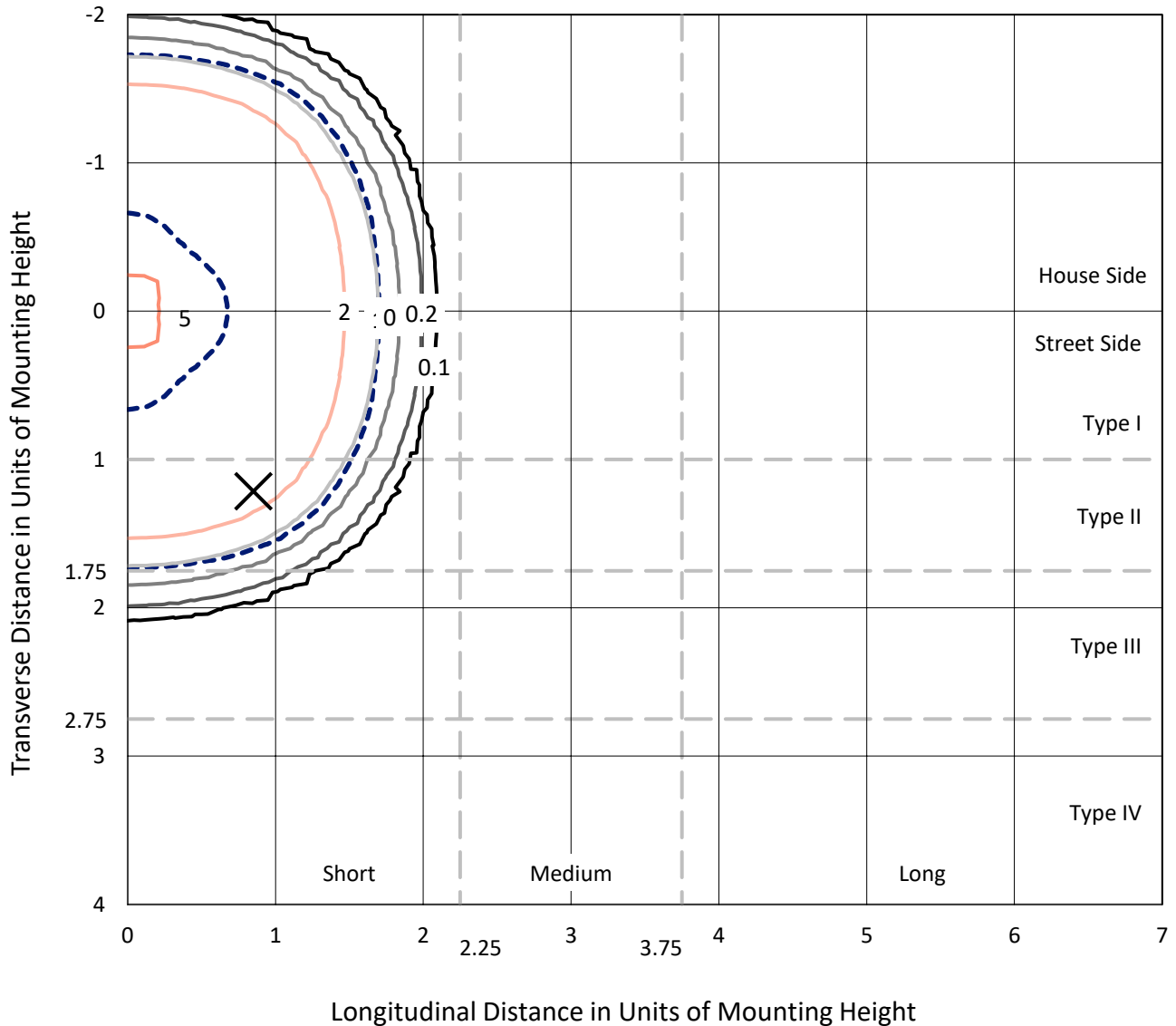
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

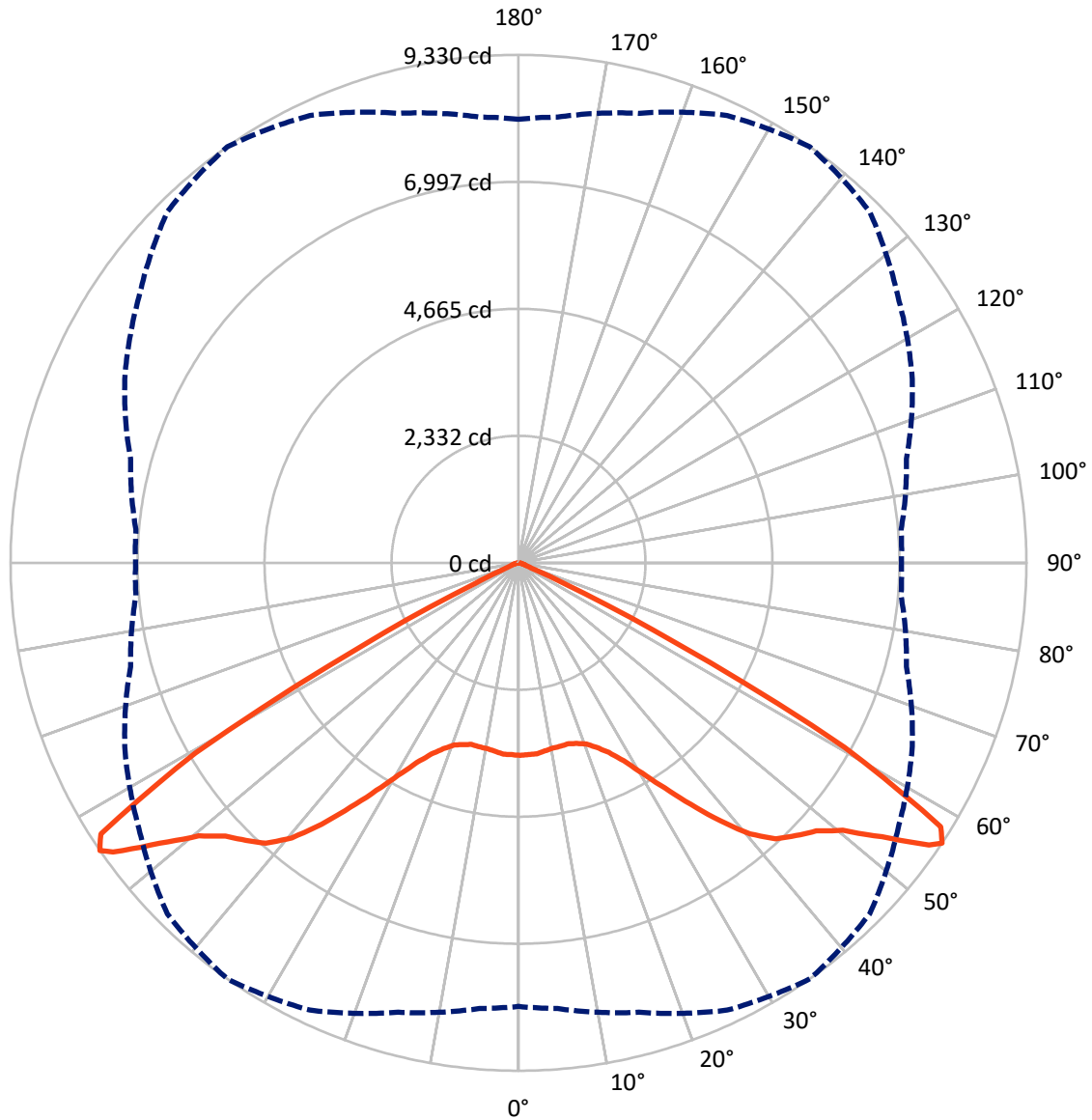
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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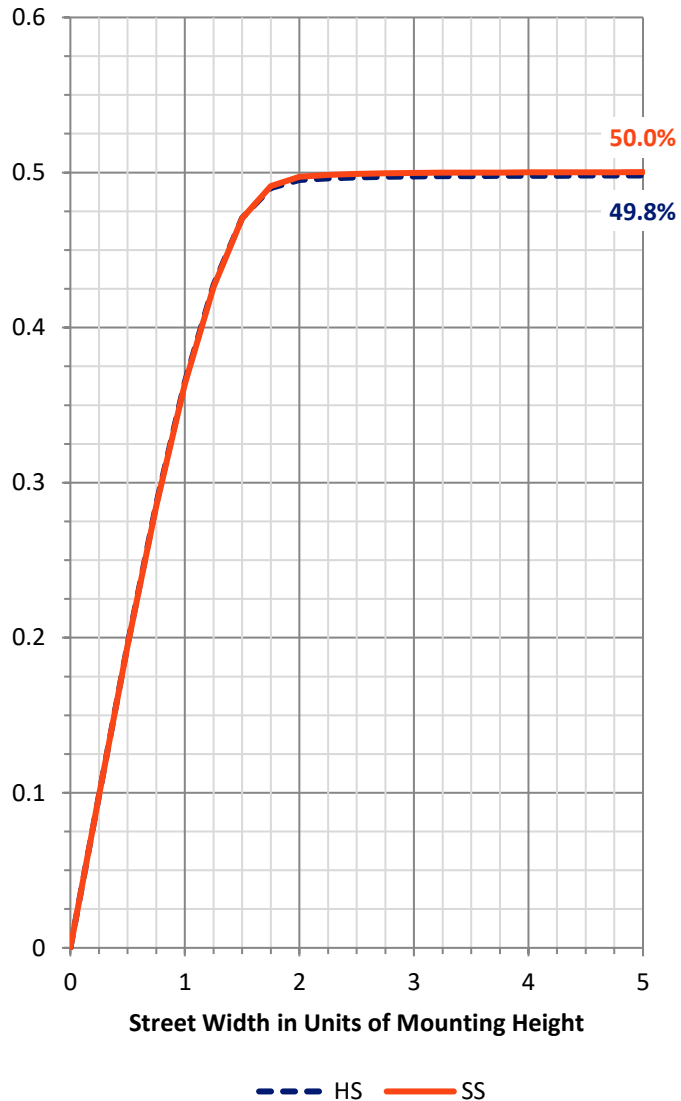
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10092.0	0.0	10092.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10092.0	0.0	10092.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20184.0	0.0	20184.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.4	1.6
10°-20°	970.4	4.8
20°-30°	1757.3	8.7
30°-40°	3258.7	16.1
40°-50°	5348.9	26.5
50°-60°	6891.0	34.1
60°-70°	1518.7	7.5
70°-80°	88.1	0.4
80°-90°	18.6	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°	20184.0	100.0
0°-180°	20184.0	100.0

**Coefficient of Utilization**

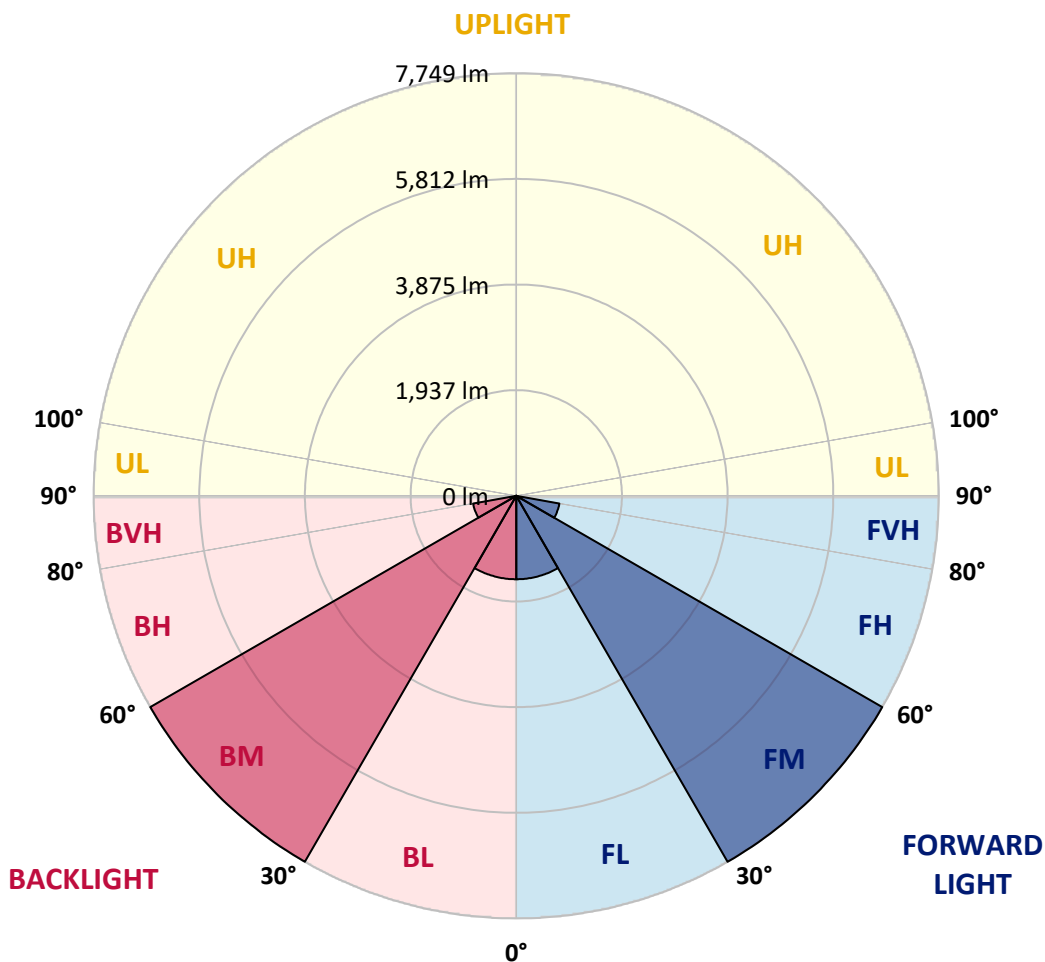


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1530.1	7.6			
FM (30°-60°)	7749.3	38.4			
FH (60°-80°)	803.4	4.0			G1/1800
FVH (80°-90°)	9.3	0.0			G0/10
BL (0°-30°)	1530.1	7.6	B3/2500		
BM (30°-60°)	7749.3	38.4	B4/8500		
BH (60°-80°)	803.4	4.0	B2/1000		G1/1800
BVH (80°-90°)	9.3	0.0			G0/10
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°	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7	3536.7
2.5°	3544.0	3544.0	3547.6	3551.3	3525.7	3514.7	3518.4	3511.1	3507.4	3518.4	3518.4
5°	3533.0	3533.0	3522.0	3525.7	3525.7	3492.8	3492.8	3500.1	3500.1	3478.2	3470.8
7.5°	3503.8	3496.4	3481.8	3500.1	3489.1	3489.1	3463.5	3445.2	3437.9	3452.6	3437.9
10°	3441.6	3445.2	3459.9	3467.2	3459.9	3481.8	3437.9	3412.3	3386.7	3375.7	3375.7
12.5°	3412.3	3434.3	3412.3	3430.6	3456.2	3437.9	3412.3	3394.0	3357.5	3342.8	3342.8
15°	3408.7	3423.3	3430.6	3456.2	3445.2	3452.6	3401.3	3379.4	3324.5	3298.9	3288.0
17.5°	3405.0	3423.3	3434.3	3481.8	3489.1	3492.8	3452.6	3386.7	3339.2	3313.6	3288.0
20°	3445.2	3452.6	3474.5	3522.0	3551.3	3602.5	3529.4	3459.9	3357.5	3328.2	3317.2
22.5°	3496.4	3533.0	3555.0	3606.2	3683.0	3726.9	3631.8	3544.0	3437.9	3401.3	3357.5
25°	3661.0	3653.7	3690.3	3796.3	3858.5	3891.4	3814.6	3686.6	3547.6	3503.8	3511.1
27.5°	3865.8	3873.1	3906.1	4023.1	4114.5	4165.7	4074.3	3906.1	3770.7	3697.6	3690.3
30°	4132.8	4125.5	4162.1	4319.3	4483.9	4560.7	4399.8	4202.3	4070.6	3975.6	3997.5
32.5°	4414.4	4418.1	4520.5	4663.1	4930.1	5080.1	4820.4	4579.0	4381.5	4315.7	4282.8
35°	4831.4	4849.7	4930.1	5149.6	5445.8	5639.7	5354.4	5065.4	4838.7	4718.0	4732.6
37.5°	5347.1	5328.8	5464.1	5701.8	6012.7	6155.3	5914.0	5584.8	5354.4	5273.9	5325.1
40°	5895.7	5914.0	5983.4	6199.2	6546.7	6641.8	6283.4	6104.1	5903.0	5862.8	5924.9
42.5°	6444.3	6433.3	6484.5	6678.3	6930.7	6864.9	6652.7	6546.7	6404.0	6323.6	6407.7
45°	6846.6	6828.3	6923.4	7055.1	7146.5	7022.1	6927.0	6890.5	6817.3	6729.5	6806.4
47.5°	7237.9	7223.3	7314.7	7351.3	7358.6	7194.0	7212.3	7278.2	7095.3	6912.4	7000.2
50°	7570.7	7545.1	7658.5	7739.0	7720.7	7457.4	7523.2	7457.4	7172.1	6956.3	6923.4
52.5°	8126.7	8137.6	8258.3	8404.6	8360.7	8141.3	8046.2	7746.3	7380.6	7186.7	7073.3
55°	8477.8	8422.9	8631.4	9095.9	9147.1	8920.3	8499.7	8057.2	7508.6	7270.8	7241.6
56°	8148.6	8218.1	8547.3	9066.6	9329.9	9121.5	8510.7	7980.4	7376.9	7055.1	7033.1
57.5°	7311.1	7274.5	7720.7	8430.2	9147.1	9059.3	8210.8	7431.8	6729.5	6367.5	6323.6
60°	4549.8	4655.8	5047.2	5924.9	6883.2	6927.0	6085.9	5416.6	4597.3	4275.5	4352.3
62.5°	1781.1	1689.7	1934.7	2589.4	3247.7	3394.0	3075.8	2556.5	2099.3	1781.1	1759.2
65°	413.3	402.3	453.5	625.4	874.1	1013.1	961.9	691.2	508.4	482.8	446.2
67.5°	234.1	234.1	223.1	223.1	245.0	259.7	248.7	245.0	256.0	267.0	263.3
70°	164.6	160.9	153.6	157.3	150.0	150.0	160.9	179.2	193.8	193.8	197.5
72.5°	98.7	98.7	98.7	109.7	109.7	109.7	120.7	135.3	139.0	135.3	131.7
75°	43.9	43.9	51.2	62.2	69.5	73.1	84.1	91.4	98.7	91.4	84.1
77.5°	11.0	11.0	18.3	25.6	32.9	40.2	54.9	65.8	69.5	65.8	54.9
80°	3.7	3.7	7.3	18.3	32.9	40.2	54.9	58.5	62.2	54.9	43.9
82.5°	3.7	3.7	7.3	18.3	25.6	32.9	43.9	51.2	54.9	47.5	43.9
85°	0.0	3.7	7.3	14.6	21.9	29.3	29.3	21.9	18.3	11.0	14.6
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)