

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: P532619

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
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-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17542 lumens  
Efficiency: N/A  
Efficacy: 71.9 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

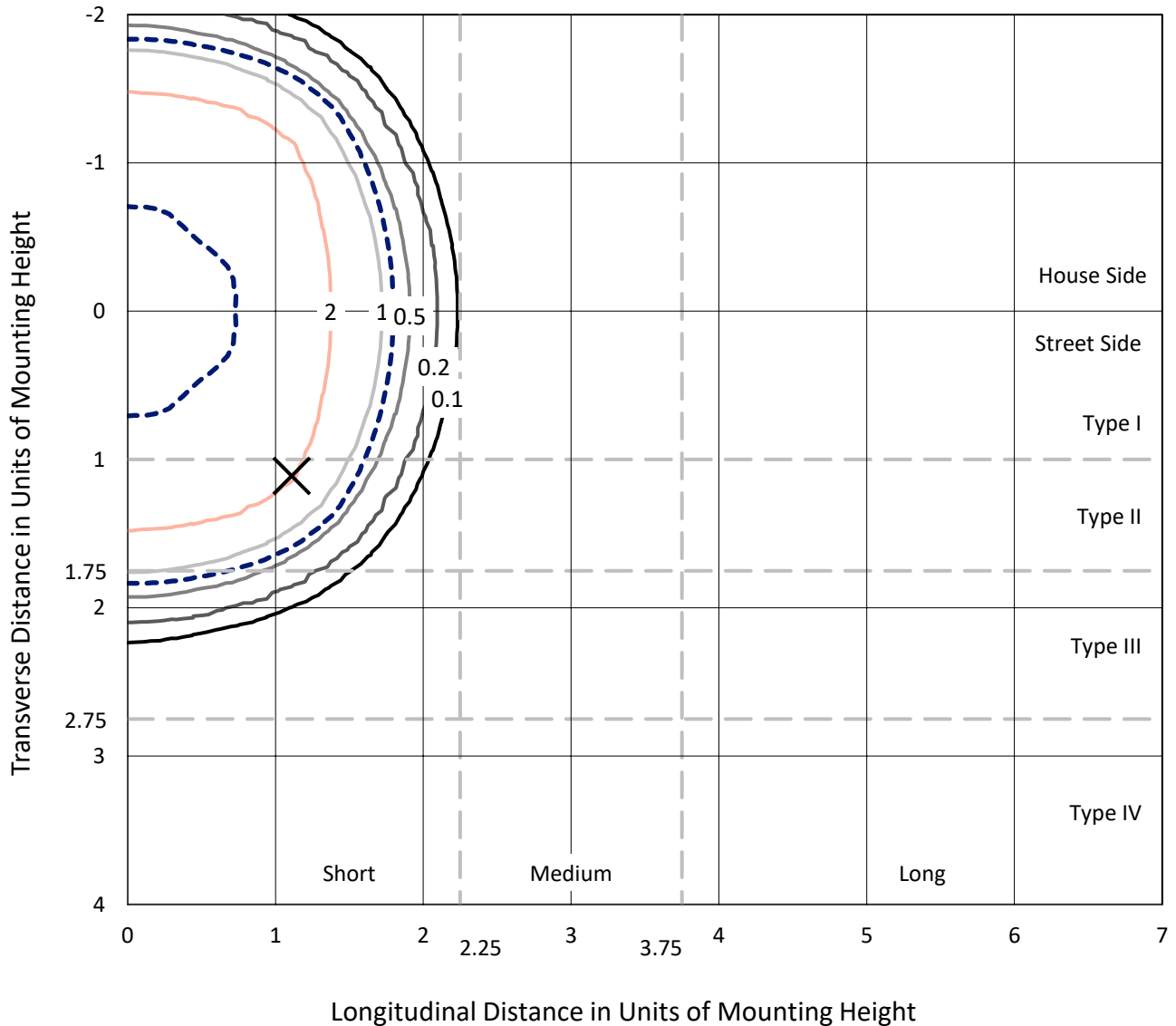
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

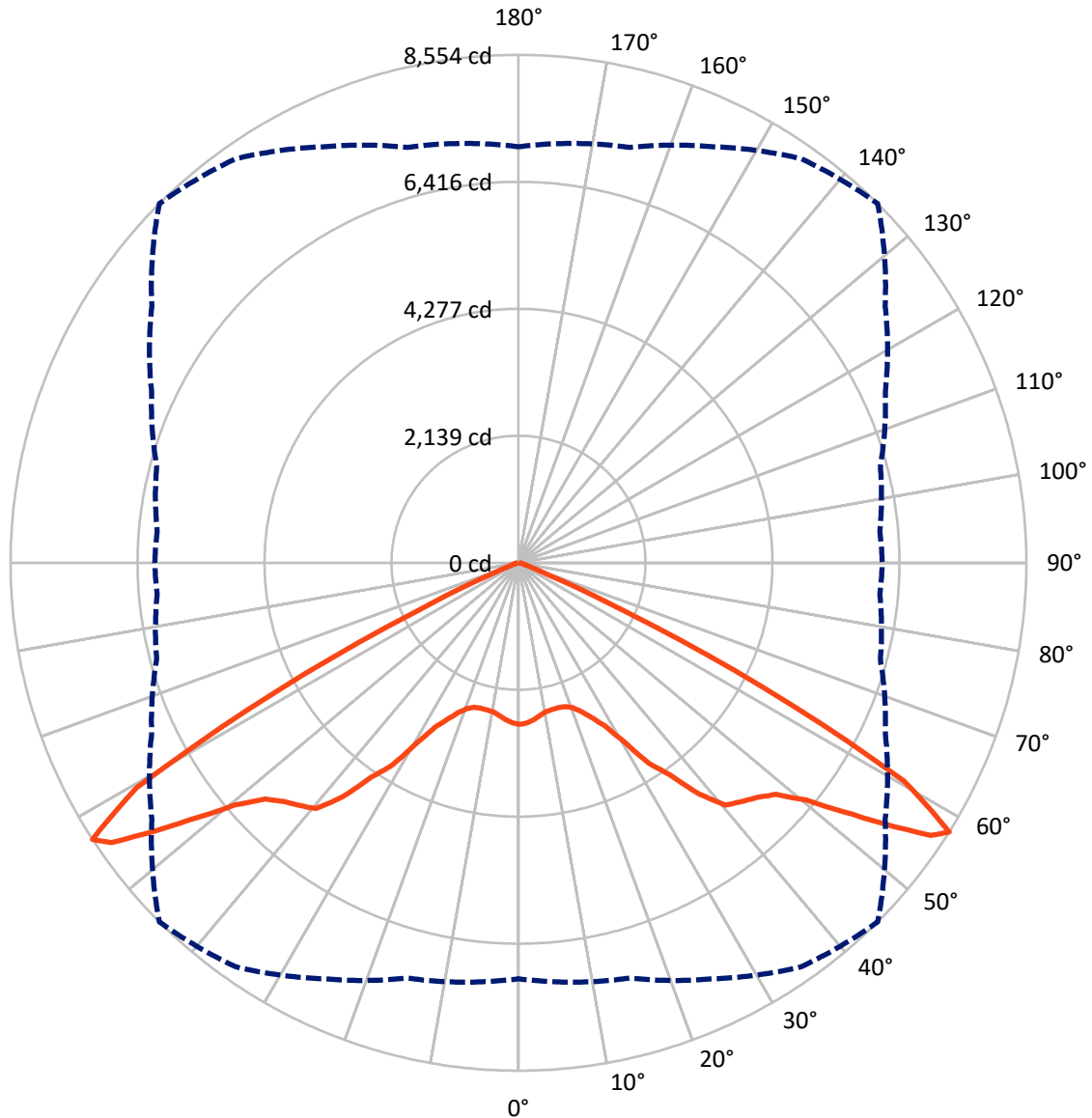
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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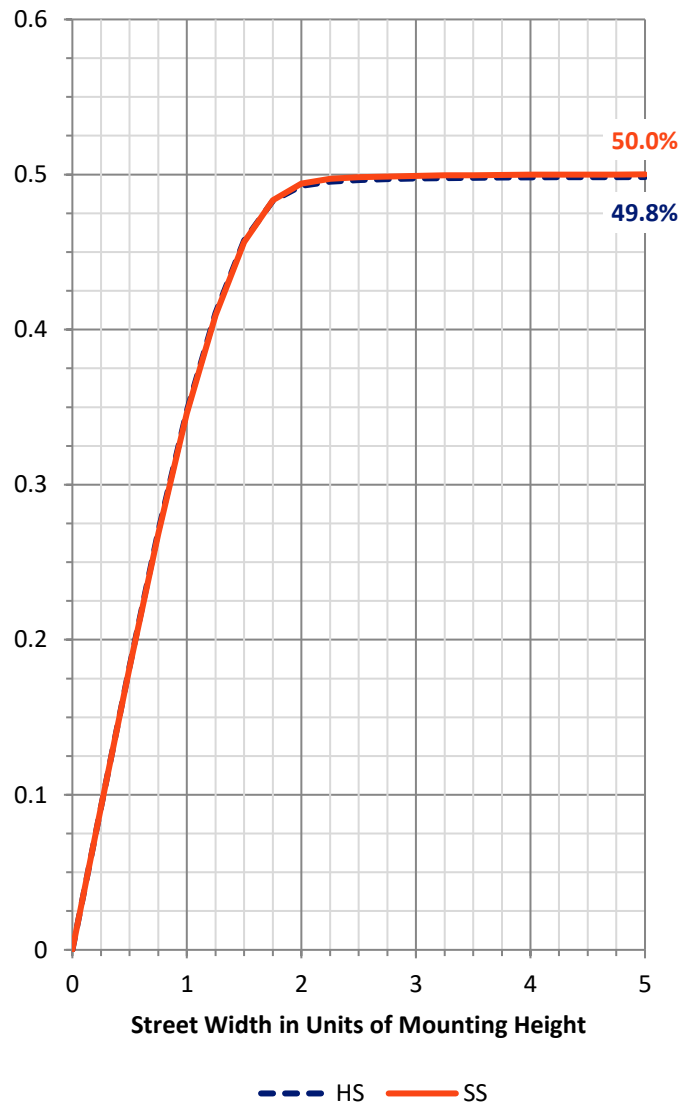
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8771.0	0.0	8771.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8771.0	0.0	8771.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17542.0	0.0	17542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.0	1.4
10°-20°	722.7	4.1
20°-30°	1334.1	7.6
30°-40°	2623.6	15.0
40°-50°	4273.1	24.4
50°-60°	6094.0	34.7
60°-70°	2109.9	12.0
70°-80°	113.2	0.6
80°-90°	21.3	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°	17542.0	100.0
0°-180°	17542.0	100.0

**Coefficient of Utilization**



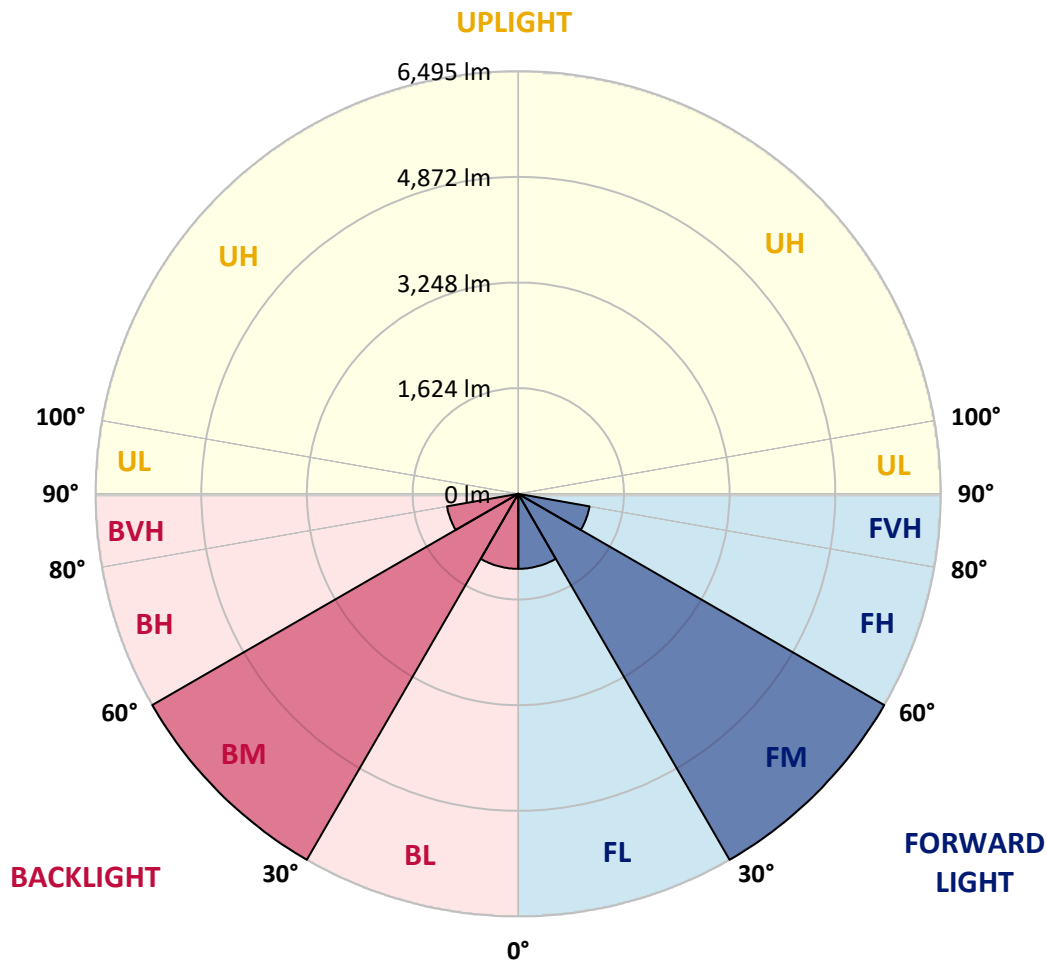
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.4	6.6			
FM (30°-60°)	6495.4	37.0			
FH (60°-80°)	1111.5	6.3			G1/1800
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	1153.4	6.6	B3/2500		
BM (30°-60°)	6495.4	37.0	B4/8500		
BH (60°-80°)	1111.5	6.3	B3/2500		G1/1800
BVH (80°-90°)	10.6	0.1			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°	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9	2720.9
2.5°	2713.6	2728.3	2710.0	2702.7	2699.0	2699.0	2688.0	2688.0	2684.4	2688.0	2673.4
5°	2669.7	2684.4	2684.4	2680.7	2658.8	2655.1	2644.1	2636.8	2640.5	2625.9	2636.8
7.5°	2625.9	2636.8	2622.2	2618.5	2611.2	2596.6	2592.9	2560.0	2563.7	2563.7	2571.0
10°	2618.5	2614.9	2592.9	2574.7	2552.7	2549.1	2538.1	2530.8	2530.8	2527.1	2538.1
12.5°	2618.5	2600.3	2596.6	2556.4	2519.8	2534.4	2505.2	2486.9	2512.5	2519.8	2534.4
15°	2614.9	2633.2	2571.0	2552.7	2527.1	2530.8	2505.2	2486.9	2501.5	2508.8	2519.8
17.5°	2636.8	2625.9	2607.6	2571.0	2560.0	2545.4	2512.5	2497.9	2497.9	2516.1	2519.8
20°	2695.3	2666.1	2629.5	2611.2	2622.2	2603.9	2563.7	2508.8	2523.5	2538.1	2549.1
22.5°	2750.2	2728.3	2702.7	2691.7	2753.9	2724.6	2655.1	2592.9	2571.0	2596.6	2614.9
25°	2856.3	2856.3	2808.7	2823.3	2892.8	2896.5	2816.0	2706.3	2691.7	2702.7	2710.0
27.5°	3072.0	3083.0	3042.8	3057.4	3086.7	3112.3	3042.8	2951.4	2918.4	2914.8	2925.8
30°	3306.1	3328.0	3324.4	3386.6	3470.7	3485.3	3382.9	3233.0	3134.2	3115.9	3130.6
32.5°	3613.3	3624.3	3617.0	3690.1	3916.8	4022.9	3755.9	3543.8	3412.2	3445.1	3412.2
35°	4191.1	4180.2	4099.7	4114.3	4300.9	4377.7	4121.7	3986.3	3924.2	3990.0	3975.4
37.5°	4688.5	4648.3	4582.5	4677.5	4871.4	4940.9	4673.9	4436.2	4322.8	4432.5	4480.1
40°	5109.1	5006.7	4915.3	5010.3	5270.0	5365.1	4973.8	4779.9	4736.1	4816.5	4918.9
42.5°	5463.8	5398.0	5277.3	5284.6	5456.5	5500.4	5185.9	5072.5	5028.6	5156.6	5207.8
45°	5716.2	5654.0	5540.6	5533.3	5665.0	5635.7	5354.1	5277.3	5302.9	5387.0	5412.6
47.5°	5844.2	5877.1	5811.3	5829.6	5899.0	5829.6	5606.5	5606.5	5548.0	5599.2	5573.6
50°	6213.6	6111.2	6195.3	6195.3	6268.4	6275.7	6052.6	5972.2	5814.9	5727.2	5727.2
52.5°	6645.1	6652.4	6685.3	6806.0	6930.4	7036.4	6718.3	6374.5	6111.2	5997.8	5983.2
55°	6999.9	7073.0	7204.7	7431.4	7789.8	7936.1	7387.5	6773.1	6451.3	6275.7	6239.2
56°	7193.7	7124.2	7350.9	7661.8	8129.9	8320.1	7497.2	6853.6	6498.8	6301.3	6297.7
57.5°	7007.2	7084.0	7241.2	7731.3	8305.5	8554.2	7537.5	6817.0	6308.6	6107.5	6125.8
60°	5533.3	5606.5	5818.6	6367.2	7266.8	7460.7	6378.1	5621.1	5167.6	4878.7	4882.3
62.5°	3130.6	3185.4	3350.0	3858.3	4417.9	4604.4	3975.4	3470.7	3156.2	2995.2	2944.0
65°	1152.0	1130.1	1155.7	1415.3	1759.1	1916.4	1653.0	1397.0	1232.5	1174.0	1152.0
67.5°	431.5	398.6	373.0	398.6	501.0	530.3	486.4	405.9	380.3	391.3	398.6
70°	267.0	252.3	201.1	190.2	186.5	182.9	193.8	204.8	234.1	274.3	281.6
72.5°	186.5	175.5	142.6	135.3	128.0	124.3	142.6	157.3	182.9	212.1	215.8
75°	73.1	76.8	73.1	80.5	84.1	87.8	102.4	113.4	124.3	124.3	120.7
77.5°	14.6	14.6	21.9	29.3	36.6	47.5	69.5	80.5	84.1	80.5	69.5
80°	0.0	0.0	7.3	14.6	29.3	40.2	62.2	69.5	76.8	69.5	54.9
82.5°	0.0	0.0	7.3	18.3	29.3	36.6	58.5	73.1	84.1	76.8	58.5
85°	0.0	0.0	7.3	14.6	21.9	25.6	25.6	18.3	18.3	11.0	7.3
87.5°	0.0	0.0	0.0	0.0	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)