

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: P651943

Luminaire Tested: **GALN-SA6A-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23530.3 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

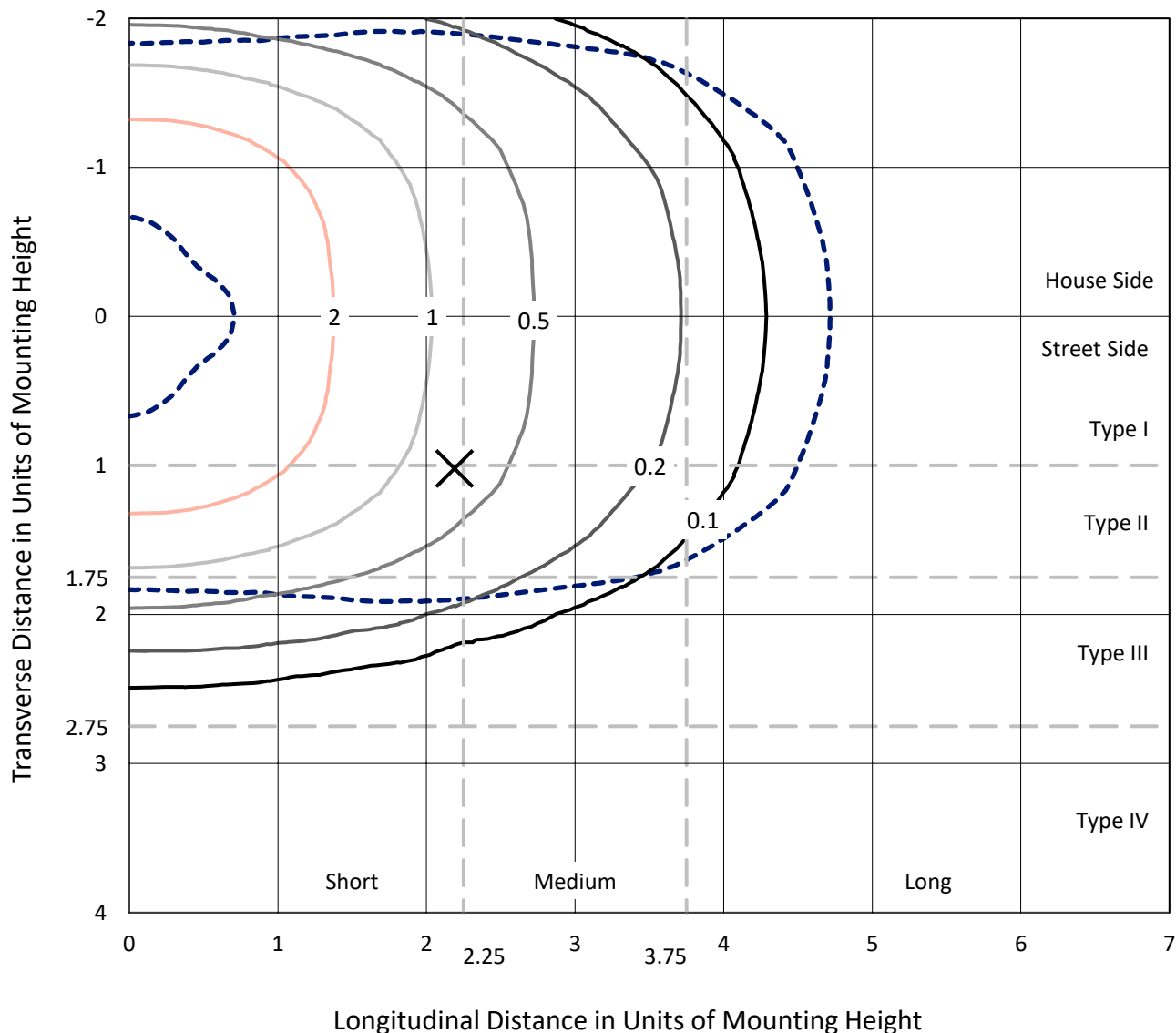
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

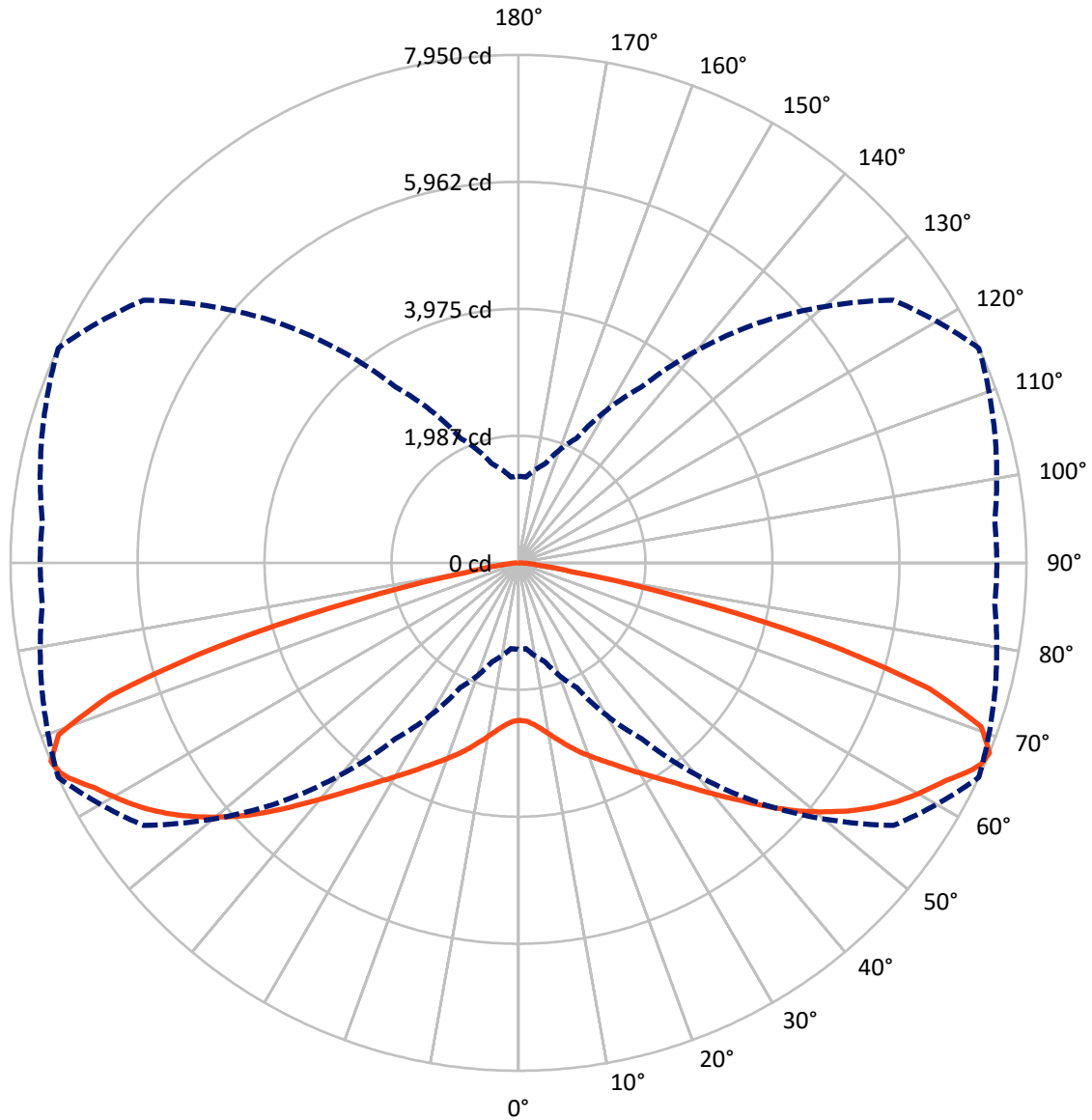
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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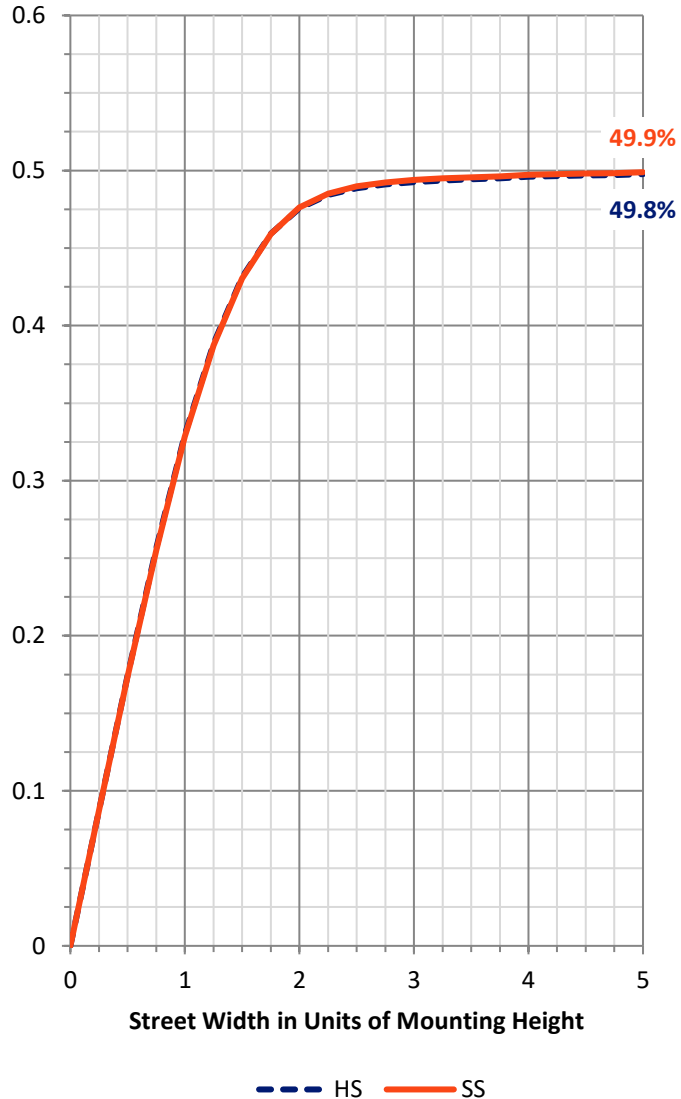
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11765.2	0.0	11765.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11765.2	0.0	11765.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23530.3	0.0	23530.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	1.0
10°-20°	813.6	3.5
20°-30°	1591.4	6.8
30°-40°	2706.7	11.5
40°-50°	4283.9	18.2
50°-60°	5680.4	24.1
60°-70°	5358.3	22.8
70°-80°	2648.9	11.3
80°-90°	204.2	0.9
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°	23530.3	100.0
0°-180°	23530.3	100.0

Coefficient of Utilization

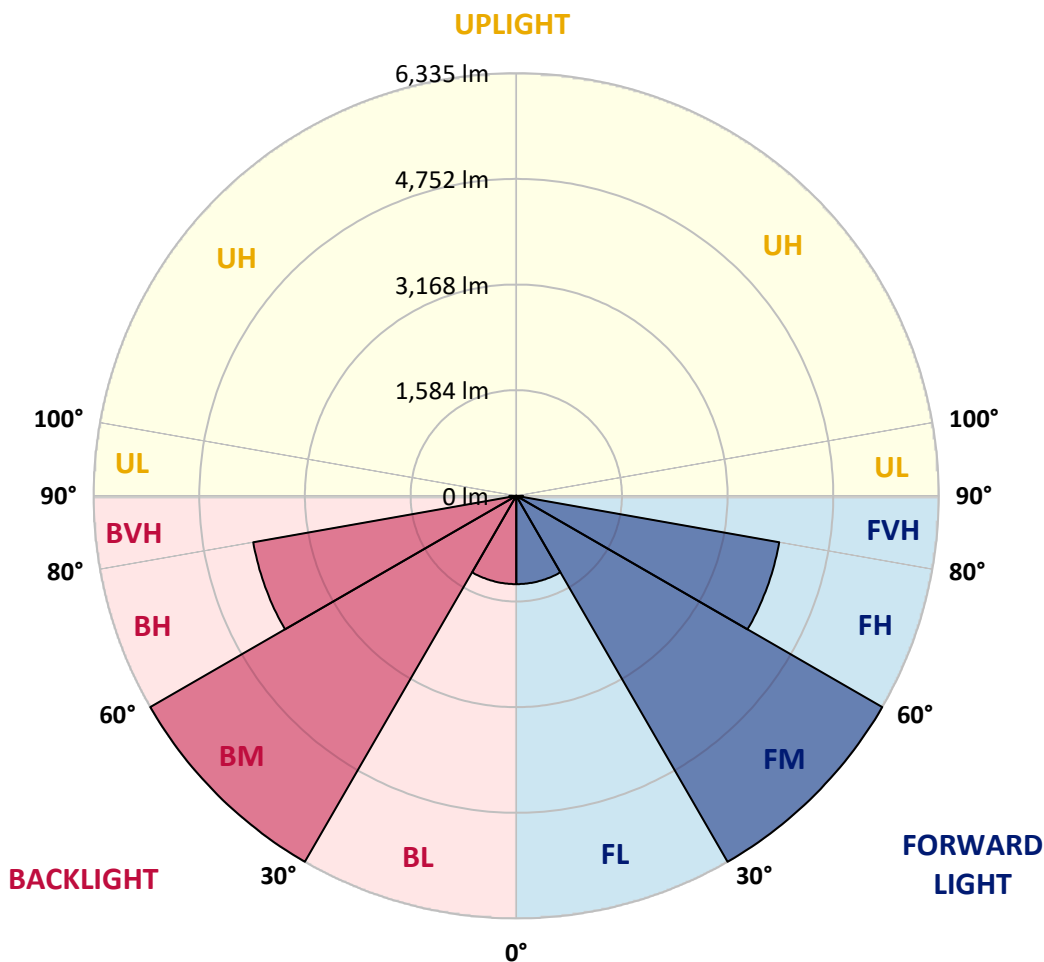


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1324.0	5.6			
FM	(30°-60°)	6335.5	26.9			
FH	(60°-80°)	4003.6	17.0			G2/5000
FVH	(80°-90°)	102.1	0.4			G2/225
BL	(0°-30°)	1324.0	5.6	B3/2500		
BM	(30°-60°)	6335.5	26.9	B4/8500		
BH	(60°-80°)	4003.6	17.0	B4/5000		G4/5000
BVH	(80°-90°)	102.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6	2464.6
2.5°	2452.0	2454.5	2457.1	2460.9	2465.9	2473.4	2478.4	2482.2	2492.3	2493.6	2492.3
5°	2443.2	2445.7	2452.0	2463.4	2479.7	2502.4	2520.1	2541.5	2557.9	2569.3	2566.7
7.5°	2441.9	2447.0	2457.1	2481.0	2512.5	2551.6	2592.0	2628.5	2660.0	2685.2	2681.4
10°	2462.1	2468.4	2484.7	2520.1	2569.3	2625.9	2682.7	2736.9	2782.3	2815.1	2826.4
12.5°	2496.1	2501.1	2531.4	2584.4	2655.0	2725.5	2789.8	2856.6	2919.7	2975.2	2975.2
15°	2555.4	2564.2	2602.0	2678.9	2765.9	2847.9	2913.4	2984.0	3052.1	3115.1	3134.0
17.5°	2637.3	2649.9	2706.7	2805.0	2915.9	2991.5	3053.3	3111.3	3170.6	3231.0	3239.9
20°	2749.5	2762.1	2837.8	2956.3	3087.4	3178.1	3219.8	3233.6	3262.6	3320.6	3328.2
22.5°	2902.0	2914.7	2999.1	3132.7	3279.0	3377.3	3394.9	3362.1	3354.7	3400.0	3405.0
25°	3074.8	3086.1	3183.2	3326.9	3478.2	3585.4	3580.3	3499.6	3454.2	3481.9	3489.5
27.5°	3268.9	3285.3	3383.6	3532.4	3696.3	3790.8	3775.7	3658.4	3561.4	3556.3	3558.9
30°	3517.2	3534.9	3628.2	3770.6	3932.0	4019.0	3987.5	3829.9	3679.9	3629.4	3629.4
32.5°	3779.5	3823.6	3918.1	4066.9	4193.0	4256.0	4208.1	4019.0	3819.8	3749.2	3745.4
35°	4121.1	4145.0	4238.4	4383.3	4477.9	4527.0	4435.0	4232.1	4002.6	3919.4	3908.0
37.5°	4455.2	4475.4	4583.8	4722.5	4837.2	4834.7	4709.9	4485.5	4229.6	4136.2	4128.6
40°	4796.8	4818.3	4941.8	5069.1	5183.8	5173.7	5022.5	4771.6	4499.3	4394.6	4414.8
42.5°	5093.1	5117.1	5256.9	5438.5	5541.9	5539.3	5364.2	5081.7	4798.1	4704.8	4722.5
45°	5362.9	5384.3	5546.9	5755.0	5906.2	5925.1	5733.5	5434.7	5143.5	5023.7	5028.8
47.5°	5553.2	5593.6	5763.7	6002.0	6207.5	6274.3	6086.5	5794.0	5458.7	5333.9	5341.4
50°	5698.2	5723.4	5908.7	6179.8	6439.5	6578.1	6426.8	6126.9	5773.8	5641.4	5659.1
52.5°	5715.9	5746.1	5947.8	6260.5	6593.3	6803.8	6729.4	6452.1	6095.3	5959.2	5997.0
55°	5572.1	5589.8	5830.6	6210.0	6653.7	6971.5	6990.4	6754.7	6401.6	6298.2	6323.5
57.5°	5162.4	5207.8	5512.8	5974.3	6570.6	7061.0	7185.8	7029.4	6711.8	6609.7	6650.0
60°	4490.5	4535.8	4842.2	5427.1	6256.7	7019.4	7347.1	7272.8	6992.9	6910.9	6932.4
62.5°	3518.5	3514.7	3894.2	4611.5	5632.7	6815.1	7466.9	7507.3	7270.3	7166.8	7199.6
65°	2280.5	2291.9	2658.7	3431.5	4690.9	6295.7	7493.4	7806.0	7542.5	7386.3	7410.1
66°	1834.3	1868.3	2179.7	2891.9	4210.6	5955.4	7413.9	7894.3	7625.8	7436.6	7448.0
67.5°	1353.9	1347.6	1603.5	2153.2	3362.1	5308.6	7165.6	7949.7	7720.3	7482.0	7487.1
70°	772.8	771.5	862.3	1182.5	1976.7	3737.8	6039.8	7683.7	7912.0	7646.0	7632.1
72.5°	564.8	561.0	573.6	653.0	964.4	1887.2	4166.5	6715.6	7813.6	7619.5	7580.4
75°	474.0	471.5	468.9	479.0	540.8	854.7	2211.2	4830.9	6779.8	7151.8	7111.4
77.5°	387.0	387.0	388.3	385.8	388.3	450.0	916.5	2589.4	4128.6	4609.0	4721.2
80°	302.6	301.3	322.7	313.9	293.8	288.7	406.0	833.3	1370.3	1362.8	1124.5
82.5°	223.1	208.0	245.8	239.5	216.8	184.1	237.0	355.5	457.6	297.5	220.6
85°	141.2	139.9	174.0	158.9	132.4	87.0	113.5	152.6	189.1	114.7	93.3
87.5°	25.2	24.0	55.5	40.4	40.4	25.2	31.5	41.6	61.8	42.9	31.5
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)