

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: P651931

Luminaire Tested: **GALN-SA6A-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15667 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

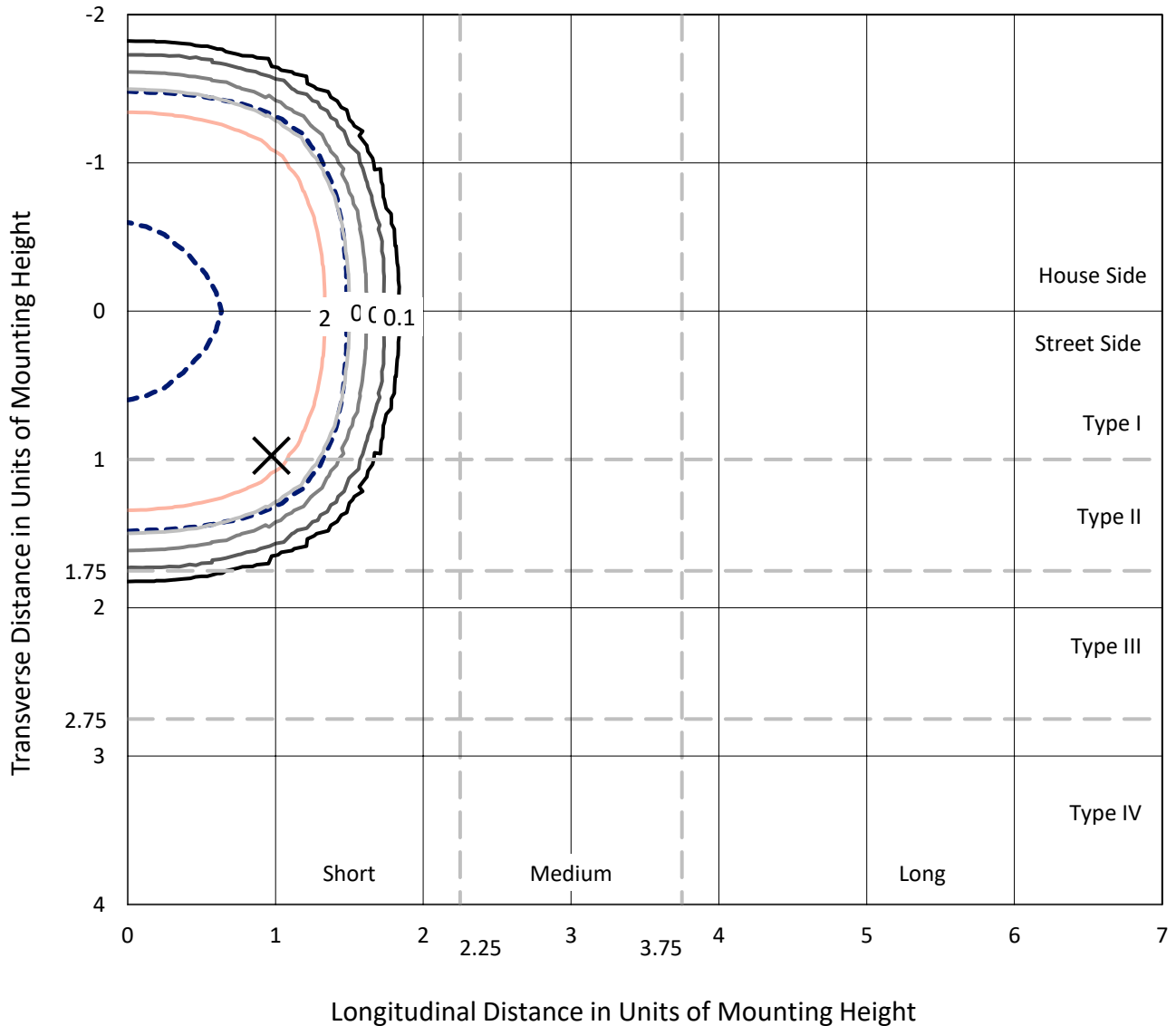
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

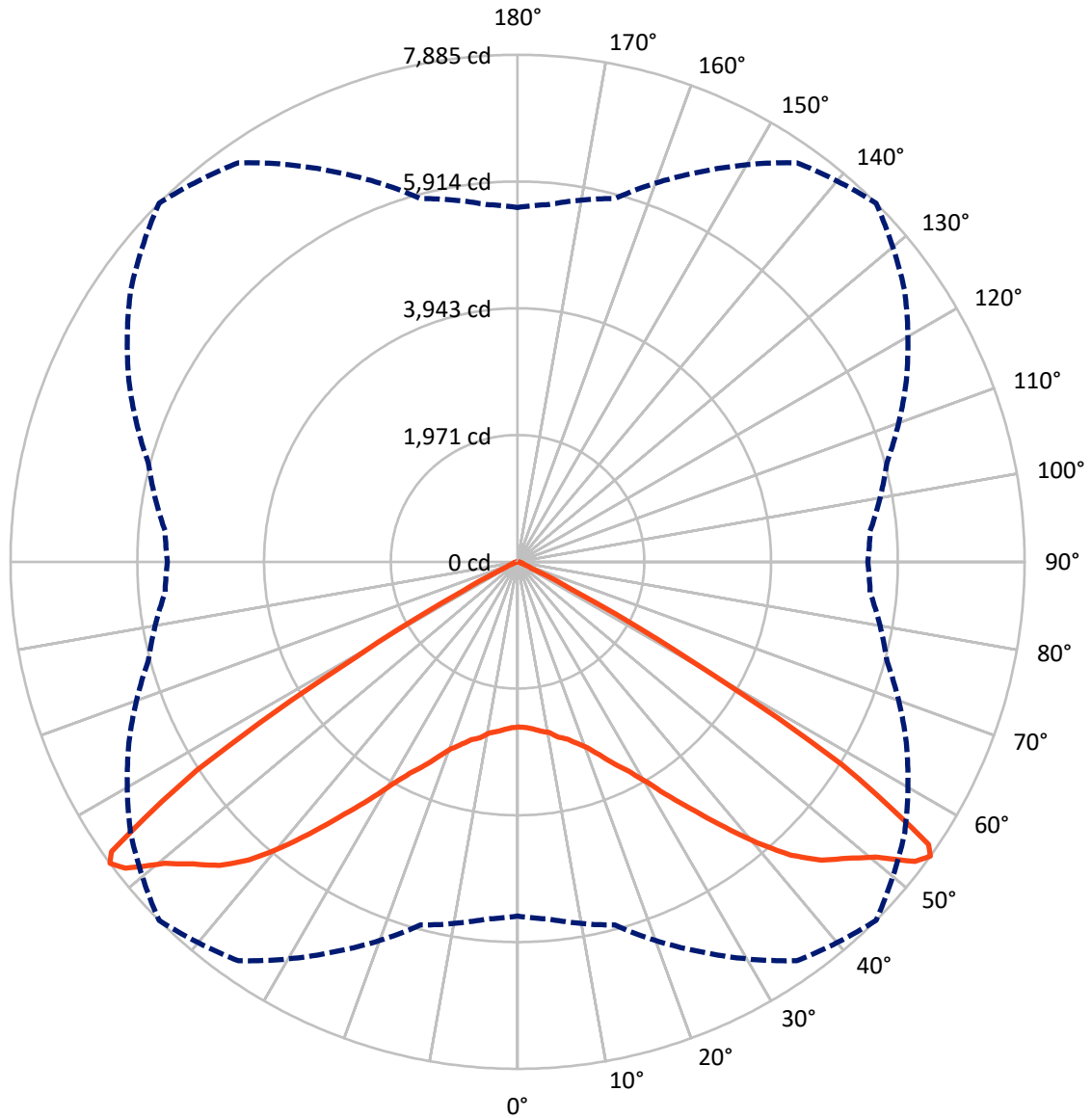
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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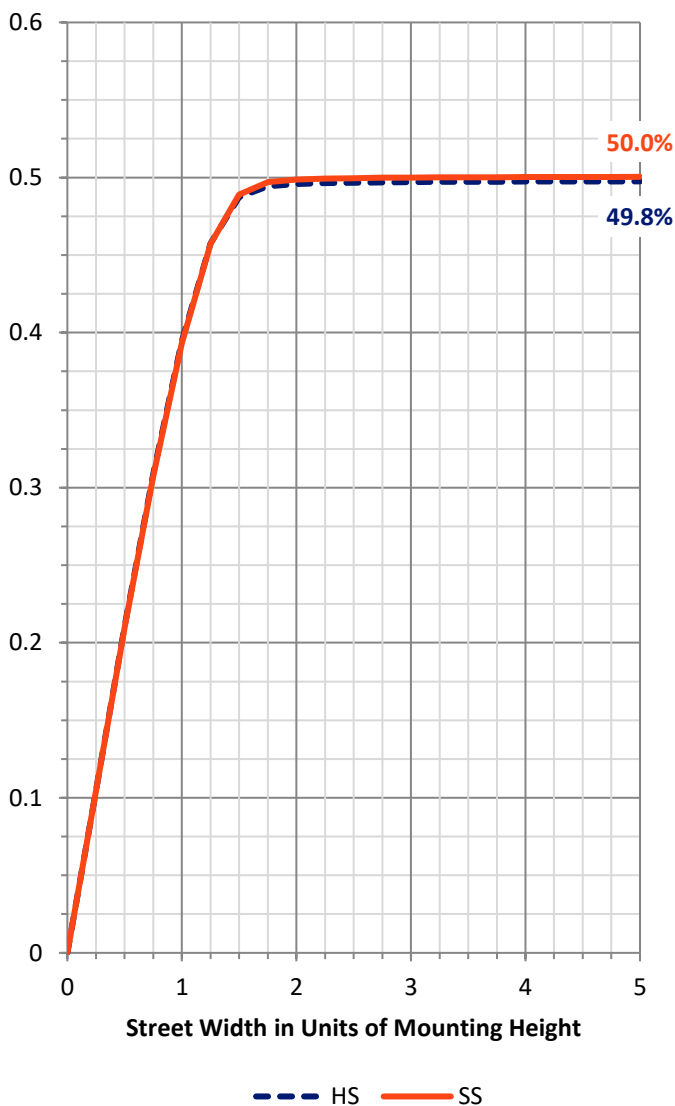
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7833.5	0.0	7833.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7833.5	0.0	7833.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15667.0	0.0	15667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.4	1.6
10°-20°	814.2	5.2
20°-30°	1595.9	10.2
30°-40°	2869.7	18.3
40°-50°	4912.4	31.4
50°-60°	4753.2	30.3
60°-70°	406.9	2.6
70°-80°	48.2	0.3
80°-90°	15.1	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°	15667.0	100.0
0°-180°	15667.0	100.0

Coefficient of Utilization

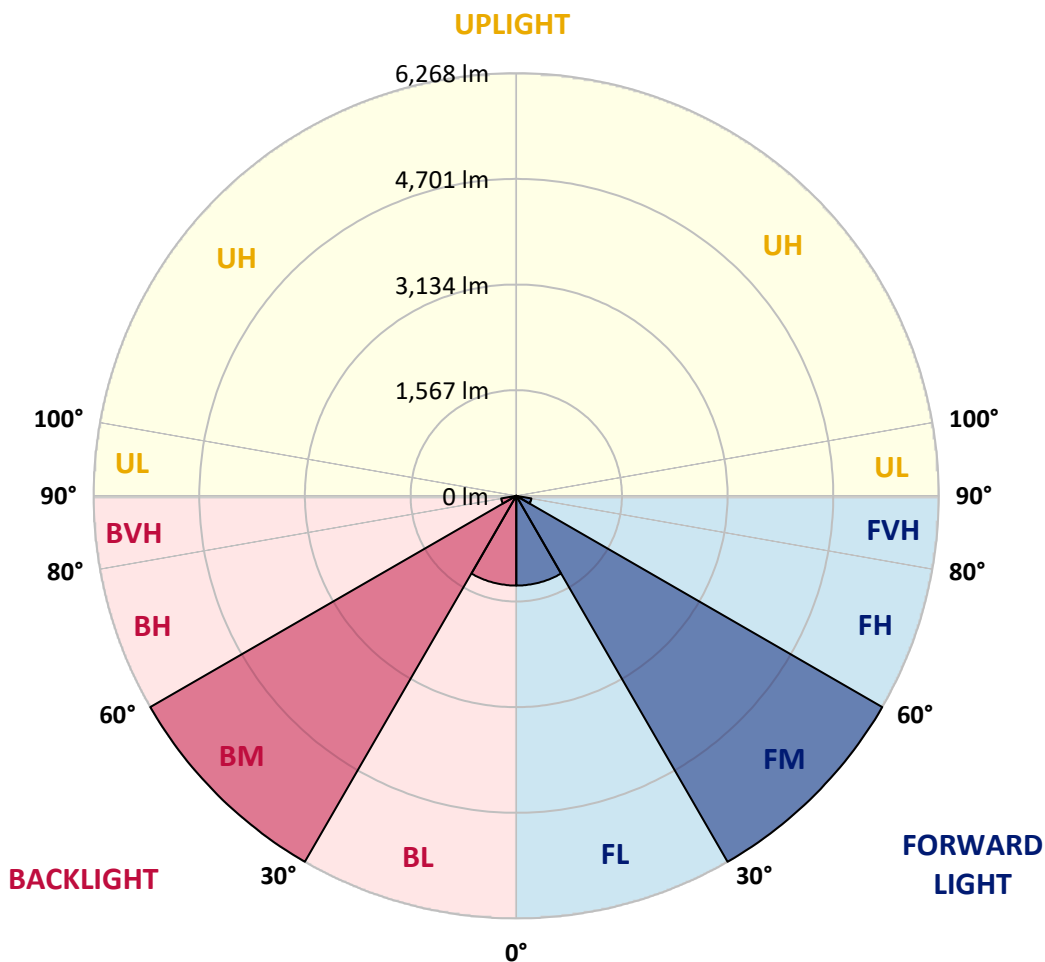


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1330.8	8.5			
FM (30°-60°)	6267.6	40.0			
FH (60°-80°)	227.6	1.5			G0/660
FVH (80°-90°)	7.6	0.0			G0/10
BL (0°-30°)	1330.8	8.5	B3/2500		
BM (30°-60°)	6267.6	40.0	B4/8500		
BH (60°-80°)	227.6	1.5	B1/500		G0/660
BVH (80°-90°)	7.6	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-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2581.3	2596.2	2586.2	2593.7	2593.7	2581.3	2588.8	2559.0	2578.8	2564.0	2566.4
5°	2621.1	2618.5	2618.5	2621.1	2611.1	2616.0	2606.1	2596.2	2588.8	2578.8	2608.6
7.5°	2670.7	2670.7	2653.3	2658.2	2653.3	2660.8	2640.9	2621.1	2613.6	2606.1	2601.1
10°	2717.9	2712.8	2705.4	2727.8	2710.4	2700.5	2690.5	2678.1	2650.8	2640.9	2631.0
12.5°	2787.3	2784.8	2774.9	2797.3	2787.3	2797.3	2760.0	2727.8	2722.8	2690.5	2707.9
15°	2869.2	2891.5	2874.2	2874.2	2869.2	2856.8	2841.9	2827.0	2782.4	2769.9	2772.4
17.5°	2976.0	2968.5	2971.0	2971.0	2995.8	2963.5	2933.7	2896.5	2874.2	2866.7	2841.9
20°	3077.7	3087.6	3085.1	3102.5	3117.4	3082.7	3050.4	3045.4	2983.4	2993.3	2958.6
22.5°	3256.4	3249.0	3261.4	3273.8	3263.8	3258.9	3229.1	3191.8	3137.3	3112.5	3107.5
25°	3445.1	3432.6	3410.3	3440.1	3455.0	3477.3	3420.3	3400.4	3316.0	3278.7	3281.2
27.5°	3606.4	3623.8	3648.6	3661.0	3698.2	3690.8	3651.0	3586.5	3522.0	3479.8	3452.5
30°	3827.3	3837.2	3879.4	3896.8	3961.3	3978.7	3916.6	3842.2	3728.0	3673.4	3641.1
32.5°	4030.8	4100.3	4097.9	4184.7	4288.9	4360.9	4249.2	4135.0	4020.9	3956.3	3899.3
35°	4360.9	4348.5	4420.5	4512.3	4681.1	4763.0	4641.4	4509.9	4336.1	4231.8	4187.2
37.5°	4668.7	4673.7	4770.5	4916.9	5110.5	5237.1	5130.4	4914.4	4735.7	4601.7	4539.6
40°	5115.5	5125.4	5224.6	5391.0	5609.4	5745.9	5621.8	5403.3	5165.1	5060.9	5060.9
42.5°	5639.2	5681.4	5745.9	5889.9	6085.9	6237.4	6125.7	5954.4	5713.6	5579.6	5599.5
45°	6177.7	6197.6	6239.8	6453.2	6545.1	6619.6	6515.3	6435.9	6274.5	6110.8	6083.5
47.5°	6681.6	6689.1	6813.2	6880.2	6952.1	6890.1	6957.1	6852.9	6671.7	6512.9	6480.6
50°	6905.0	6892.6	7068.8	7272.4	7327.0	7217.7	7160.6	7091.1	6815.6	6624.6	6540.1
52.5°	6254.7	6326.7	6654.3	7220.2	7647.1	7739.0	7406.4	7086.2	6572.4	6200.1	6143.0
54°	5510.1	5577.1	5847.6	6686.6	7575.1	7885.4	7349.2	6669.2	5944.4	5502.7	5445.6
55°	4772.9	4698.5	5189.9	6046.2	7237.6	7756.4	7123.4	6130.6	5301.6	4897.1	4817.6
57.5°	2583.8	2596.2	3010.7	3819.8	5085.7	5947.0	5252.0	4147.5	3132.3	2678.1	2638.4
60°	819.0	838.9	1020.1	1543.8	2429.9	2901.4	2487.0	1665.4	1151.7	923.3	886.1
62.5°	255.7	265.6	290.4	431.9	665.1	950.6	744.6	446.7	332.6	305.3	310.2
65°	156.3	156.3	158.9	168.8	198.6	230.9	223.4	196.1	188.6	183.7	181.2
67.5°	101.8	99.3	104.3	111.7	116.6	119.2	126.6	134.1	131.5	126.6	126.6
70°	62.1	59.5	64.5	74.4	77.0	81.9	89.3	99.3	96.8	91.8	94.3
72.5°	34.7	34.7	37.3	44.7	52.1	57.1	64.5	72.0	74.4	72.0	72.0
75°	12.4	14.9	19.8	27.3	32.3	39.7	47.2	54.6	62.1	57.1	54.6
77.5°	5.0	5.0	9.9	17.4	24.8	32.3	44.7	52.1	57.1	52.1	47.2
80°	2.5	2.5	7.5	14.9	22.4	29.8	37.3	44.7	47.2	42.2	37.3
82.5°	2.5	2.5	7.5	14.9	22.4	27.3	39.7	44.7	49.6	44.7	37.3
85°	0.0	2.5	7.5	14.9	19.8	22.4	22.4	14.9	12.4	7.5	7.5
87.5°	0.0	0.0	2.5	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)