

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: P646984

Luminaire Tested: **GALN-SA6C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646984
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-SA6C-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA 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: 17027.1 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

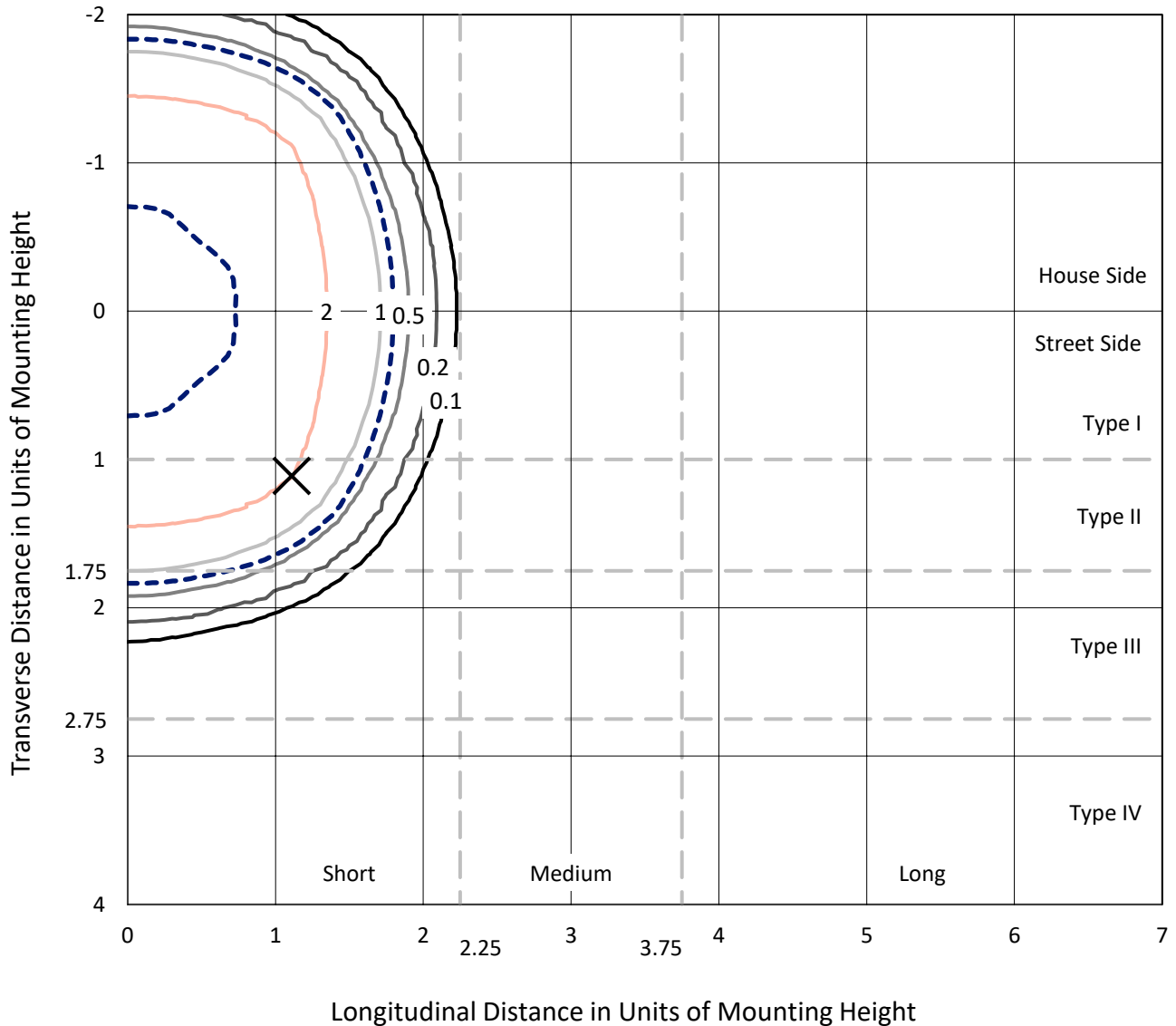
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

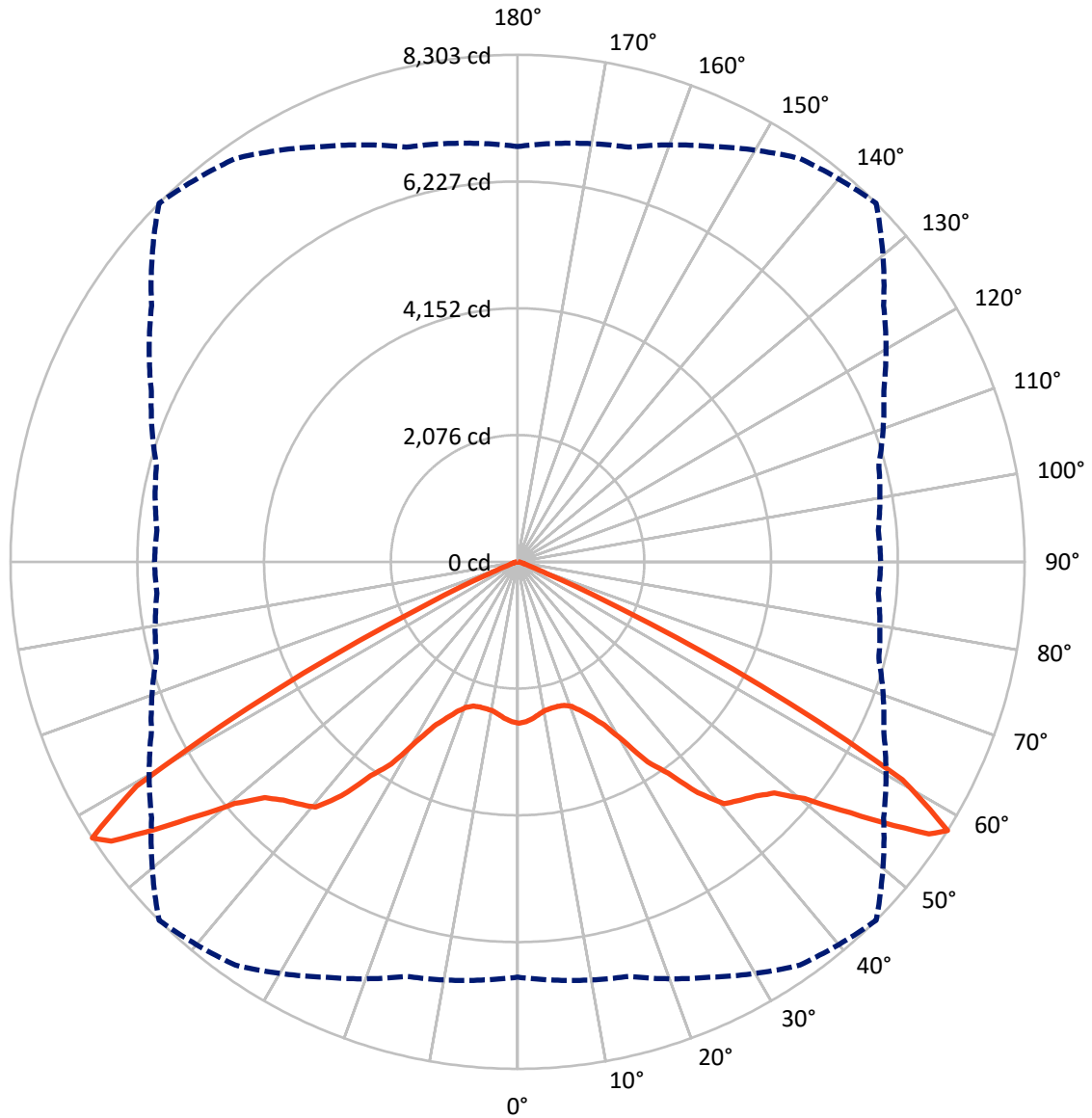
× Max cd
 - - - 1/2 Max cd



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 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8513.6	0.0	8513.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8513.6	0.0	8513.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17027.1	0.0	17027.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.7	1.4
10°-20°	701.5	4.1
20°-30°	1294.9	7.6
30°-40°	2546.6	15.0
40°-50°	4147.7	24.4
50°-60°	5915.2	34.7
60°-70°	2048.0	12.0
70°-80°	109.9	0.6
80°-90°	20.6	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°	17027.1	100.0
0°-180°	17027.1	100.0

Coefficient of Utilization

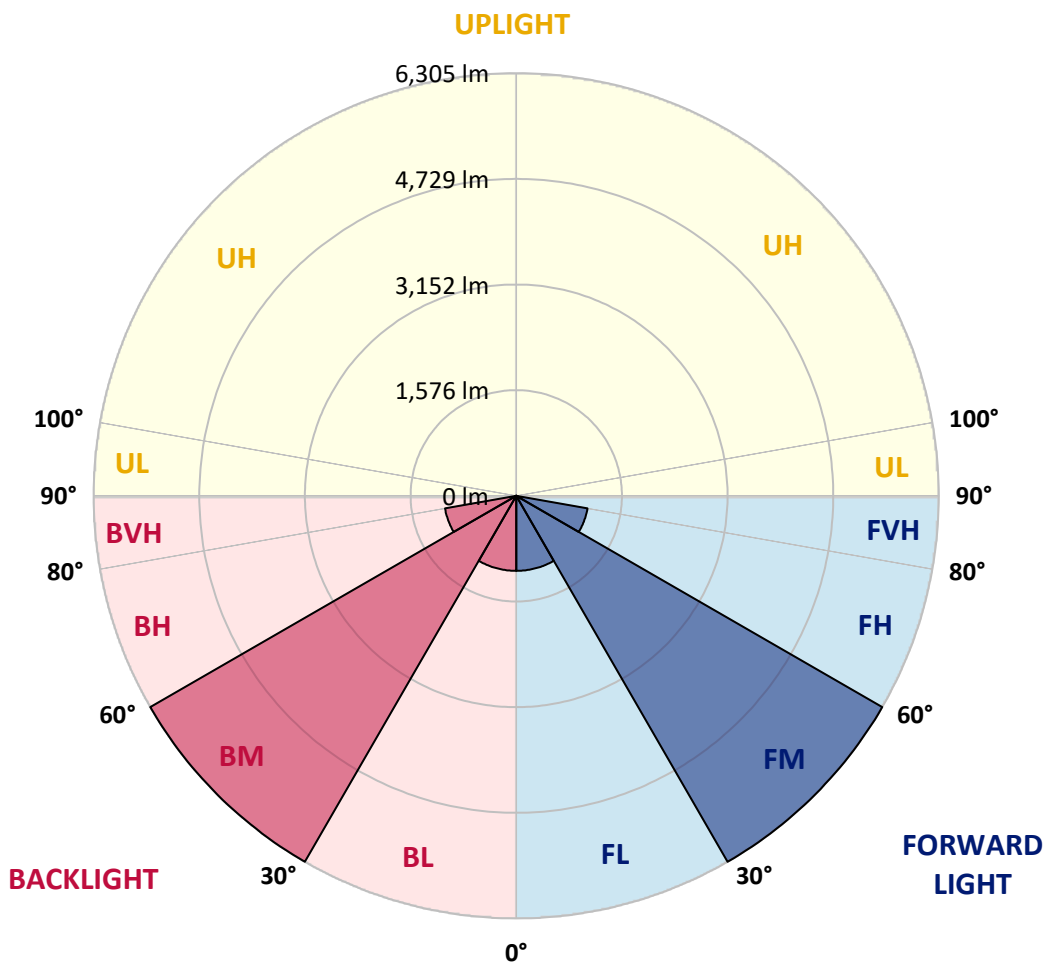


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1119.6	6.6			
FM (30°-60°)	6304.8	37.0			
FH (60°-80°)	1078.9	6.3			G1/1800
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	1119.6	6.6	B3/2500		
BM (30°-60°)	6304.8	37.0	B4/8500		
BH (60°-80°)	1078.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	10.3	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°	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1	2641.1
2.5°	2634.0	2648.2	2630.4	2623.4	2619.8	2619.8	2609.1	2609.1	2605.6	2609.1	2594.9
5°	2591.4	2605.6	2605.6	2602.1	2580.8	2577.2	2566.5	2559.5	2563.0	2548.8	2559.5
7.5°	2548.8	2559.5	2545.2	2541.7	2534.6	2520.4	2516.9	2484.9	2488.5	2488.5	2495.6
10°	2541.7	2538.2	2516.9	2499.1	2477.8	2474.3	2463.6	2456.5	2456.5	2452.9	2463.6
12.5°	2541.7	2523.9	2520.4	2481.3	2445.9	2460.0	2431.6	2413.9	2438.7	2445.9	2460.0
15°	2538.2	2555.9	2495.6	2477.8	2452.9	2456.5	2431.6	2413.9	2428.1	2435.2	2445.9
17.5°	2559.5	2548.8	2531.0	2495.6	2484.9	2470.7	2438.7	2424.6	2424.6	2442.3	2445.9
20°	2616.2	2587.8	2552.3	2534.6	2545.2	2527.5	2488.5	2435.2	2449.4	2463.6	2474.3
22.5°	2669.5	2648.2	2623.4	2612.7	2673.0	2644.7	2577.2	2516.9	2495.6	2520.4	2538.2
25°	2772.4	2772.4	2726.2	2740.5	2807.9	2811.4	2733.4	2626.9	2612.7	2623.4	2630.4
27.5°	2981.9	2992.5	2953.5	2967.6	2996.1	3020.9	2953.5	2864.8	2832.7	2829.2	2839.9
30°	3209.0	3230.3	3226.8	3287.2	3368.8	3383.0	3283.6	3138.0	3042.2	3024.5	3038.7
32.5°	3507.2	3517.9	3510.8	3581.8	3801.9	3904.8	3645.7	3439.8	3312.0	3344.0	3312.0
35°	4068.2	4057.5	3979.4	3993.6	4174.6	4249.2	4000.7	3869.4	3809.0	3872.9	3858.7
37.5°	4550.9	4511.9	4448.0	4540.2	4728.4	4795.9	4536.7	4306.0	4195.9	4302.4	4348.5
40°	4959.1	4859.8	4771.0	4863.3	5115.3	5207.7	4827.8	4639.7	4597.1	4675.1	4774.6
42.5°	5303.5	5239.6	5122.5	5129.5	5296.4	5339.0	5033.7	4923.7	4881.1	5005.2	5055.0
45°	5548.4	5488.0	5378.0	5370.9	5498.7	5470.3	5197.0	5122.5	5147.3	5229.0	5253.8
47.5°	5672.7	5704.6	5640.7	5658.4	5725.9	5658.4	5441.9	5441.9	5385.1	5434.8	5410.0
50°	6031.2	5931.8	6013.4	6013.4	6084.5	6091.5	5875.0	5796.9	5644.3	5559.1	5559.1
52.5°	6450.0	6457.2	6489.1	6606.2	6727.0	6829.9	6521.1	6187.3	5931.8	5821.8	5807.5
55°	6794.4	6865.4	6993.2	7213.3	7561.2	7703.2	7170.7	6574.3	6262.0	6091.5	6056.0
56°	6982.6	6915.1	7135.2	7436.9	7891.3	8075.9	7277.2	6652.4	6308.1	6116.4	6112.8
57.5°	6801.5	6876.1	7028.7	7504.4	8061.7	8303.1	7316.2	6616.9	6123.5	5928.2	5946.0
60°	5370.9	5441.9	5647.8	6180.3	7053.6	7241.7	6190.9	5456.1	5015.9	4735.5	4739.0
62.5°	3038.7	3091.9	3251.6	3745.1	4288.2	4469.3	3858.7	3368.8	3063.5	2907.4	2857.6
65°	1118.2	1096.9	1121.7	1373.8	1707.5	1860.1	1604.5	1356.1	1196.3	1139.5	1118.2
67.5°	418.9	387.0	362.1	387.0	486.3	514.7	472.1	394.0	369.2	379.8	387.0
70°	259.2	244.9	195.3	184.6	181.0	177.5	188.2	198.8	227.2	266.2	273.3
72.5°	181.0	170.4	138.4	131.3	124.3	120.7	138.4	152.6	177.5	205.9	209.5
75°	71.0	74.5	71.0	78.1	81.7	85.2	99.4	110.0	120.7	120.7	117.1
77.5°	14.2	14.2	21.3	28.4	35.5	46.1	67.4	78.1	81.7	78.1	67.4
80°	0.0	0.0	7.1	14.2	28.4	39.1	60.4	67.4	74.5	67.4	53.2
82.5°	0.0	0.0	7.1	17.8	28.4	35.5	56.8	71.0	81.7	74.5	56.8
85°	0.0	0.0	7.1	14.2	21.3	24.8	24.8	17.8	17.8	10.6	7.1
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)