

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P637195

Luminaire Tested: GWS-SA4C-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16169.3 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

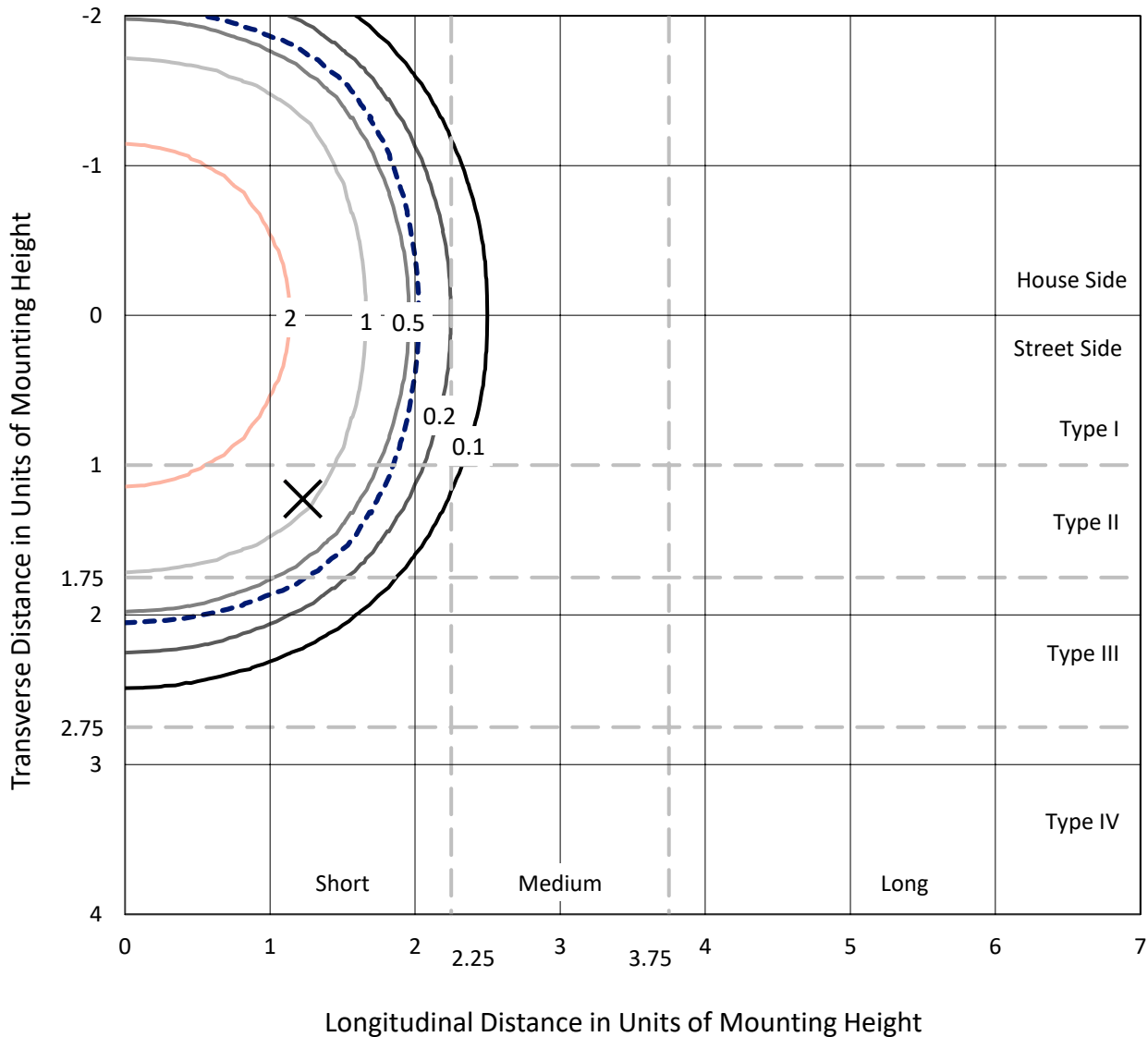
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

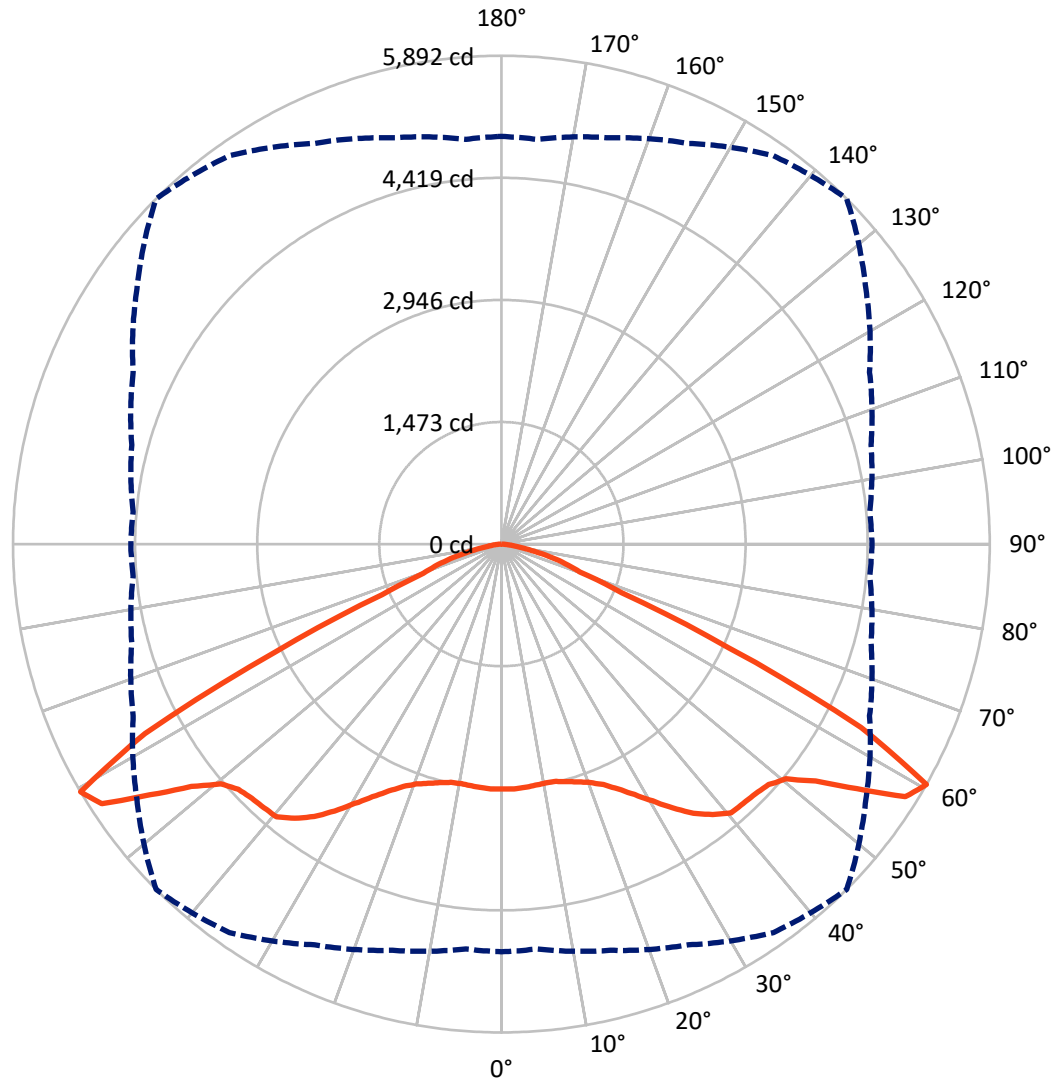
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8084.6	0.0	8084.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8084.6	0.0	8084.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16169.3	0.0	16169.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.2	1.7
10°-20°	842.9	5.2
20°-30°	1491.2	9.2
30°-40°	2400.9	14.8
40°-50°	3300.0	20.4
50°-60°	4397.6	27.2
60°-70°	2740.8	17.0
70°-80°	630.2	3.9
80°-90°	85.5	0.5
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°	16169.3	100.0
0°-180°	16169.3	100.0

Coefficient of Utilization



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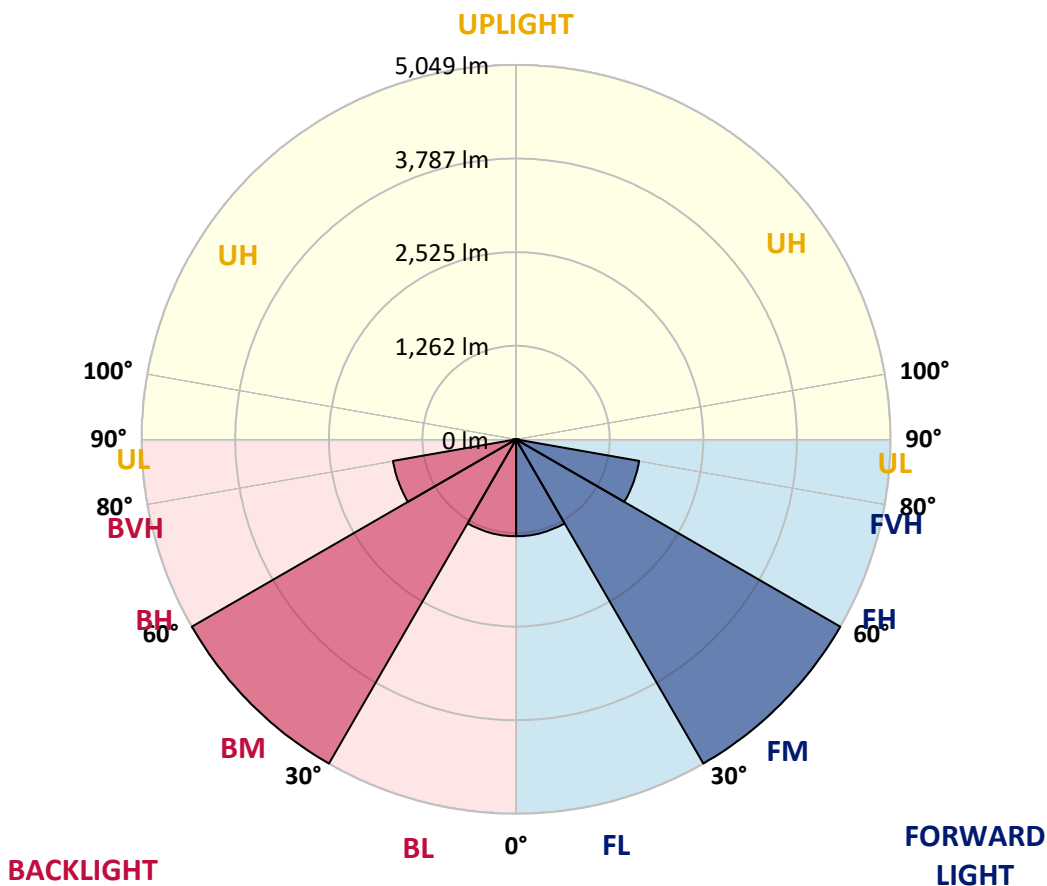
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1307.2	8.1			
FM (30°-60°)	5049.2	31.2			
FH (60°-80°)	1685.5	10.4			G1/1800
FVH (80°-90°)	42.8	0.3			G1/100
BL (0°-30°)	1307.2	8.1	B3/2500		
BM (30°-60°)	5049.2	31.2	B4/8500		
BH (60°-80°)	1685.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	42.8	0.3			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°	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9	2954.9
2.5°	2934.3	2937.1	2942.6	2946.7	2952.2	2957.7	2960.4	2954.9	2952.2	2941.2	2953.5
5°	2937.1	2939.8	2943.9	2943.9	2945.3	2949.4	2949.4	2942.6	2935.7	2923.3	2937.1
7.5°	2933.0	2935.7	2937.1	2935.7	2937.1	2938.4	2935.7	2927.5	2920.6	2909.6	2920.6
10°	2926.1	2928.8	2931.6	2928.8	2926.1	2930.2	2930.2	2924.7	2920.6	2909.6	2922.0
12.5°	2941.2	2945.3	2946.7	2939.8	2937.1	2938.4	2938.4	2933.0	2933.0	2923.3	2937.1
15°	2976.9	2979.6	2975.5	2967.3	2968.6	2972.8	2963.2	2949.4	2946.7	2942.6	2953.5
17.5°	3004.3	3007.1	3003.0	2997.5	3007.1	3016.7	2998.8	2972.8	2964.5	2961.8	2974.1
20°	3034.5	3038.6	3033.1	3040.0	3059.2	3070.2	3048.2	3012.6	2996.1	2992.0	3007.1
22.5°	3083.9	3089.4	3089.4	3104.5	3133.3	3151.2	3123.7	3075.7	3051.0	3044.1	3059.2
25°	3162.2	3166.3	3170.4	3200.6	3247.3	3272.0	3228.0	3162.2	3127.8	3116.9	3125.1
27.5°	3270.6	3277.4	3284.3	3328.2	3385.9	3421.6	3358.4	3276.1	3233.5	3211.6	3228.0
30°	3399.6	3409.2	3425.7	3475.1	3556.1	3595.9	3514.9	3414.7	3366.7	3343.3	3365.3
32.5°	3575.3	3576.6	3589.0	3643.9	3750.9	3796.2	3694.7	3583.5	3534.1	3506.6	3519.0
35°	3783.9	3785.3	3766.0	3822.3	3937.6	3988.4	3869.0	3756.4	3715.3	3707.0	3738.6
37.5°	3998.0	3985.6	3966.4	3991.1	4107.8	4140.7	4014.5	3918.4	3900.5	3915.6	3962.3
40°	4150.3	4129.7	4091.3	4109.2	4227.2	4265.6	4131.1	4040.5	4035.0	4072.1	4128.4
42.5°	4249.2	4227.2	4181.9	4181.9	4262.9	4279.3	4175.0	4127.0	4139.4	4181.9	4235.4
45°	4297.2	4284.8	4258.8	4245.0	4290.3	4297.2	4217.6	4198.4	4221.7	4242.3	4283.5
47.5°	4334.2	4334.2	4326.0	4312.3	4332.9	4337.0	4278.0	4272.5	4302.7	4302.7	4330.1
50°	4400.1	4407.0	4418.0	4415.2	4437.2	4450.9	4407.0	4398.7	4411.1	4371.3	4385.0
52.5°	4573.1	4590.9	4622.5	4647.2	4703.4	4746.0	4667.8	4601.9	4537.4	4449.5	4452.3
55°	4883.2	4891.5	4953.2	5026.0	5120.7	5207.1	5046.6	4842.1	4702.1	4599.1	4600.5
57.5°	5145.4	5157.7	5248.3	5400.6	5613.4	5747.9	5392.4	5050.7	4853.0	4726.8	4730.9
60°	4918.9	4902.4	5074.0	5334.8	5720.4	5892.0	5367.7	4901.1	4617.0	4460.5	4471.5
62.5°	3805.8	3774.3	3965.1	4238.2	4700.7	4872.2	4389.1	3941.7	3672.7	3550.6	3532.7
65°	2316.7	2287.9	2425.1	2592.6	2905.5	3013.9	2793.0	2555.5	2320.8	2246.7	2226.1
67.5°	1261.3	1257.2	1294.2	1376.6	1513.8	1564.6	1522.1	1409.5	1349.1	1297.0	1297.0
70°	1000.5	992.3	985.4	986.8	999.2	1006.0	1007.4	1001.9	1008.8	1010.1	1004.6
72.5°	829.0	826.2	812.5	813.9	808.4	805.6	815.2	820.7	831.7	833.1	833.1
75°	601.1	594.3	601.1	602.5	597.0	597.0	603.9	602.5	608.0	610.7	595.6
77.5°	341.7	341.7	351.4	362.3	370.6	370.6	377.4	377.4	384.3	382.9	380.2
80°	188.0	188.0	193.5	200.4	208.6	216.8	223.7	225.1	229.2	227.8	223.7
82.5°	107.1	108.4	111.2	115.3	123.5	130.4	137.2	138.6	142.7	142.7	138.6
85°	50.8	49.4	50.8	53.5	57.6	63.1	70.0	74.1	76.9	76.9	74.1
87.5°	9.6	11.0	9.6	11.0	12.4	16.5	19.2	22.0	26.1	27.4	24.7
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)