

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: P635761

Luminaire Tested: GWS-SA3E-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15475 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

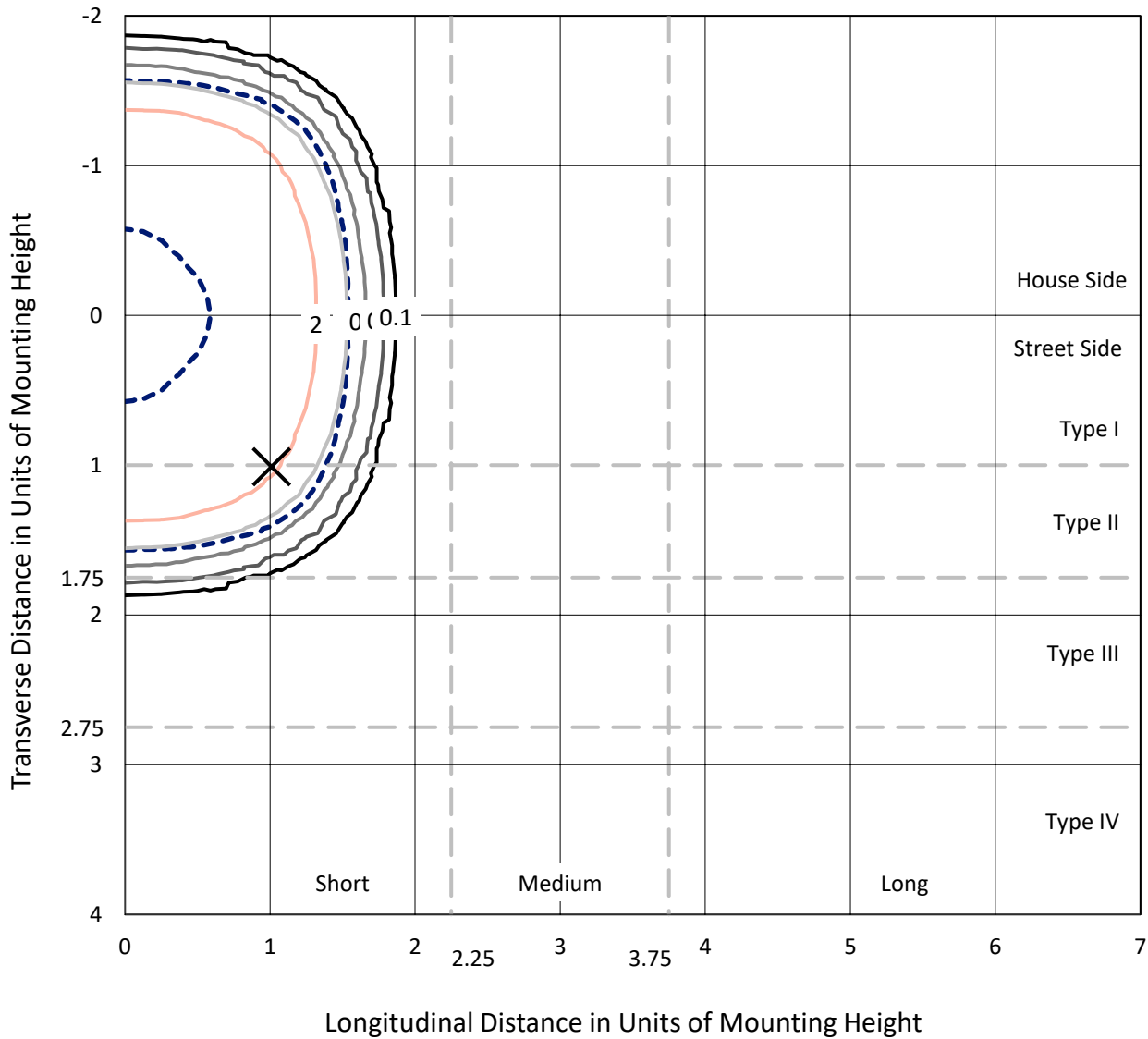
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

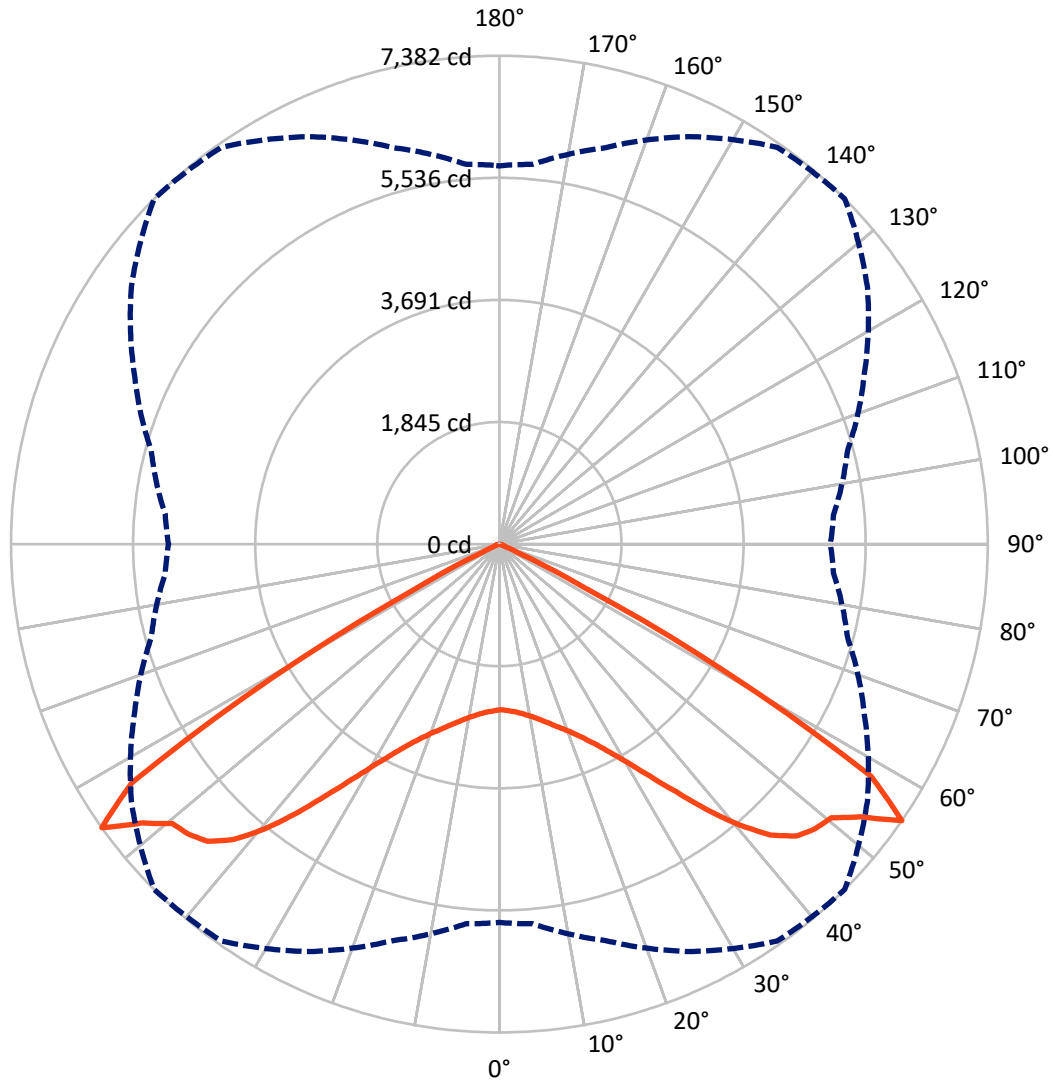
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7737.5	0.0	7737.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7737.5	0.0	7737.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15475.0	0.0	15475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	1.6
10°-20°	794.6	5.1
20°-30°	1538.9	9.9
30°-40°	2757.1	17.8
40°-50°	4622.4	29.9
50°-60°	4948.1	32.0
60°-70°	543.7	3.5
70°-80°	23.9	0.2
80°-90°	1.1	0.0
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°	15475.0	100.0
0°-180°	15475.0	100.0

Coefficient of Utilization



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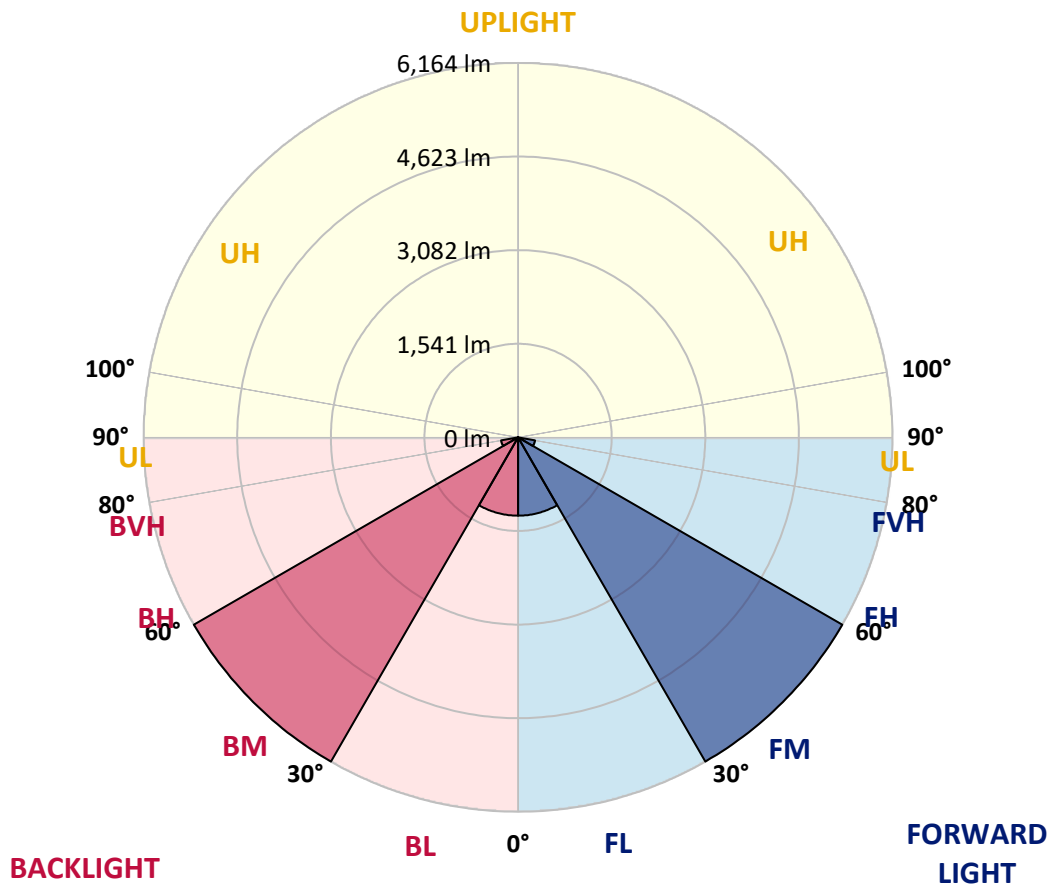
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.4	8.3			
FM (30°-60°)	6163.8	39.8			
FH (60°-80°)	283.8	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1289.4	8.3	B3/2500		
BM (30°-60°)	6163.8	39.8	B4/8500		
BH (60°-80°)	283.8	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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°	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0	2502.0
2.5°	2497.3	2497.3	2503.6	2508.3	2508.3	2520.9	2516.2	2511.5	2511.5	2505.2	2517.8
5°	2533.5	2532.0	2538.3	2541.4	2535.1	2547.7	2539.8	2535.1	2532.0	2525.7	2538.3
7.5°	2573.0	2574.5	2576.1	2582.4	2579.3	2591.9	2585.6	2576.1	2573.0	2563.5	2576.1
10°	2620.3	2620.3	2623.4	2631.3	2632.9	2648.6	2642.3	2631.3	2621.8	2612.4	2625.0
12.5°	2680.2	2681.7	2686.5	2697.5	2703.8	2721.2	2711.7	2689.6	2675.4	2664.4	2678.6
15°	2766.9	2765.3	2771.6	2787.4	2795.3	2807.9	2793.7	2763.7	2746.4	2733.8	2743.2
17.5°	2861.5	2861.5	2864.6	2880.4	2891.4	2910.3	2893.0	2856.7	2841.0	2823.6	2833.1
20°	2965.5	2970.2	2973.4	2984.4	3003.4	3022.3	3008.1	2971.8	2954.5	2932.4	2943.4
22.5°	3102.7	3098.0	3099.5	3118.4	3145.2	3164.2	3153.1	3110.6	3080.6	3063.3	3069.6
25°	3255.6	3254.0	3258.8	3287.1	3317.1	3337.6	3321.8	3266.6	3236.7	3206.7	3219.3
27.5°	3443.2	3444.8	3447.9	3482.6	3529.9	3559.9	3520.5	3465.3	3424.3	3384.9	3394.3
30°	3665.5	3662.4	3671.8	3719.1	3788.5	3835.8	3790.1	3712.8	3654.5	3616.6	3621.4
32.5°	3902.0	3905.2	3930.4	4006.1	4097.5	4181.1	4088.0	3985.6	3909.9	3838.9	3848.4
35°	4157.4	4165.3	4222.0	4334.0	4483.8	4595.7	4466.4	4297.7	4190.5	4099.1	4102.2
37.5°	4458.5	4477.4	4556.3	4723.4	4937.8	5087.6	4898.4	4674.5	4535.8	4422.3	4414.4
40°	4854.2	4876.3	4983.5	5182.2	5442.3	5579.5	5360.3	5130.1	4958.3	4835.3	4816.4
42.5°	5308.3	5336.7	5453.3	5656.7	5916.8	6009.9	5795.5	5601.5	5447.0	5302.0	5295.7
45°	5820.7	5836.4	5931.0	6087.1	6274.7	6296.8	6136.0	6028.8	5872.7	5737.1	5726.1
47.5°	6301.5	6317.3	6381.9	6462.3	6506.5	6427.7	6399.3	6352.0	6150.2	5983.1	5948.4
50°	6667.3	6679.9	6760.3	6791.8	6668.9	6501.8	6556.9	6456.0	6236.9	6049.3	5995.7
52.5°	6642.1	6673.6	6880.1	7059.9	6982.6	6847.0	6698.8	6481.3	6140.7	5883.7	5817.5
55°	5718.2	5760.8	6203.8	6795.0	7323.1	7381.5	6788.7	6087.1	5447.0	5070.2	5002.4
57.5°	3675.0	3686.0	4226.8	5056.0	6246.4	6621.6	5629.9	4589.4	3793.2	3378.6	3350.2
60°	1351.1	1329.0	1737.4	2424.8	3597.7	3995.0	3313.9	2320.7	1655.4	1362.2	1338.5
62.5°	324.8	327.9	406.8	610.1	1128.8	1396.8	1103.6	616.4	392.6	329.5	326.3
65°	164.0	160.8	162.4	175.0	241.2	288.5	236.5	167.1	160.8	162.4	160.8
67.5°	105.6	104.1	107.2	108.8	107.2	100.9	99.3	102.5	102.5	104.1	100.9
70°	64.6	63.1	66.2	70.9	67.8	59.9	63.1	66.2	63.1	61.5	61.5
72.5°	34.7	34.7	37.8	41.0	37.8	34.7	34.7	36.3	34.7	34.7	34.7
75°	15.8	15.8	17.3	18.9	15.8	15.8	15.8	15.8	15.8	15.8	15.8
77.5°	4.7	4.7	6.3	6.3	4.7	4.7	4.7	4.7	6.3	6.3	6.3
80°	1.6	3.2	3.2	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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)