

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: P635760

Luminaire Tested: GWS-SA3E-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

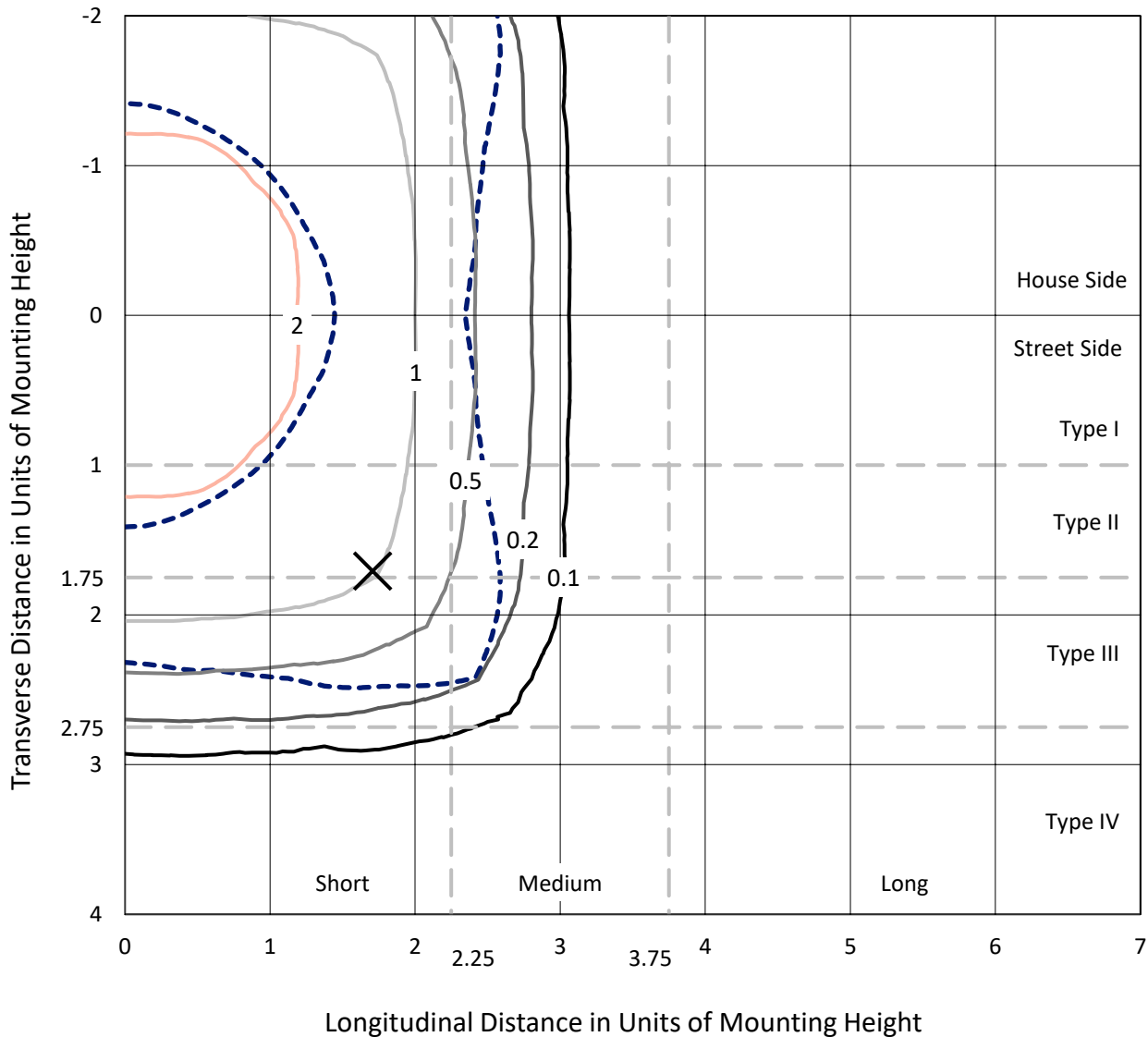
Lumens per Lamp: N/A  
Luminaire Lumens: 22774.3 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635760  
 CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W

### Iso-Footcandle Lines of Horizontal Illumination

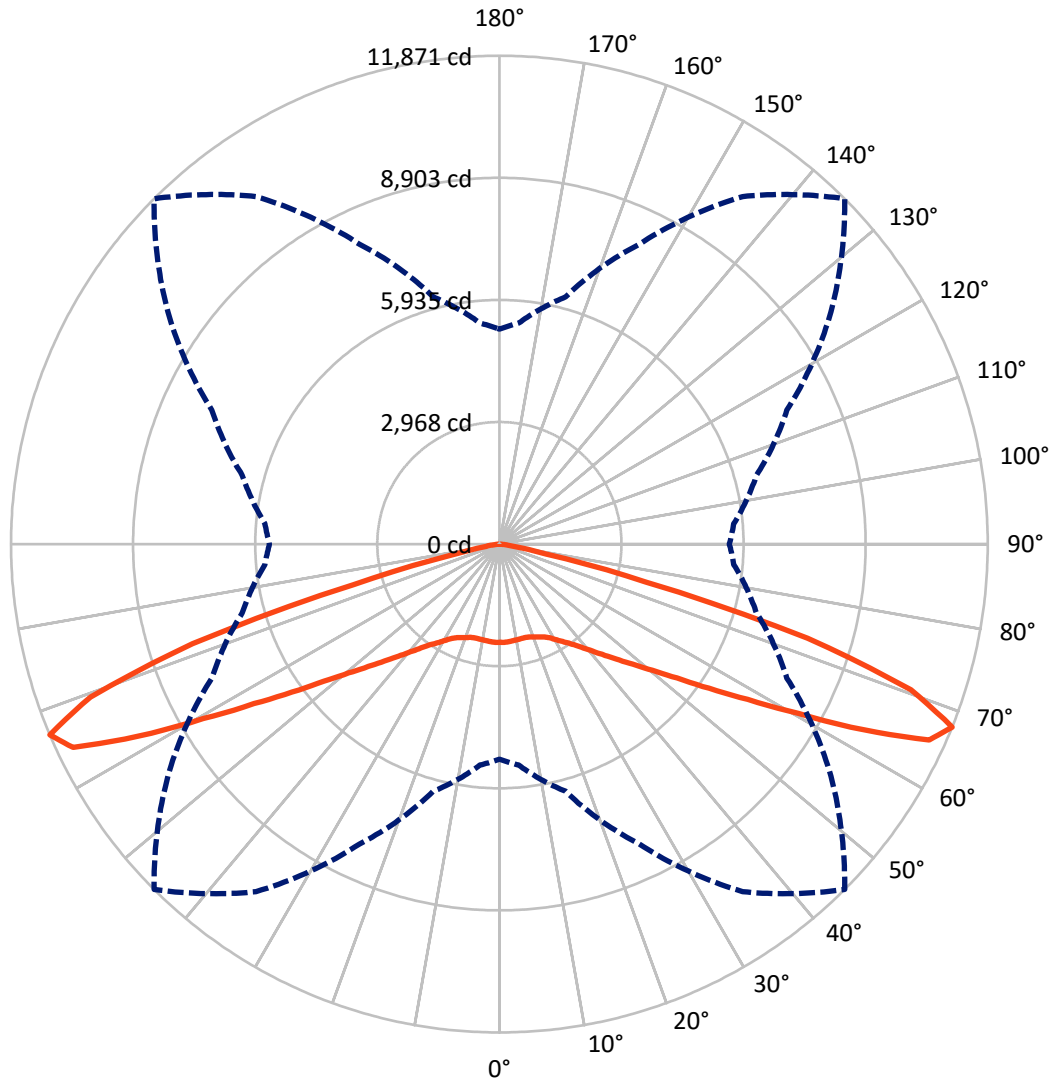
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P635760  
CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635760

CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11387.2	0.0	11387.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11387.2	0.0	11387.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22774.3	0.0	22774.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	1.0
10°-20°	663.1	2.9
20°-30°	1143.6	5.0
30°-40°	1859.5	8.2
40°-50°	3131.0	13.7
50°-60°	5547.6	24.4
60°-70°	7929.9	34.8
70°-80°	2176.4	9.6
80°-90°	97.5	0.4
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°	22774.3	100.0
0°-180°	22774.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635760

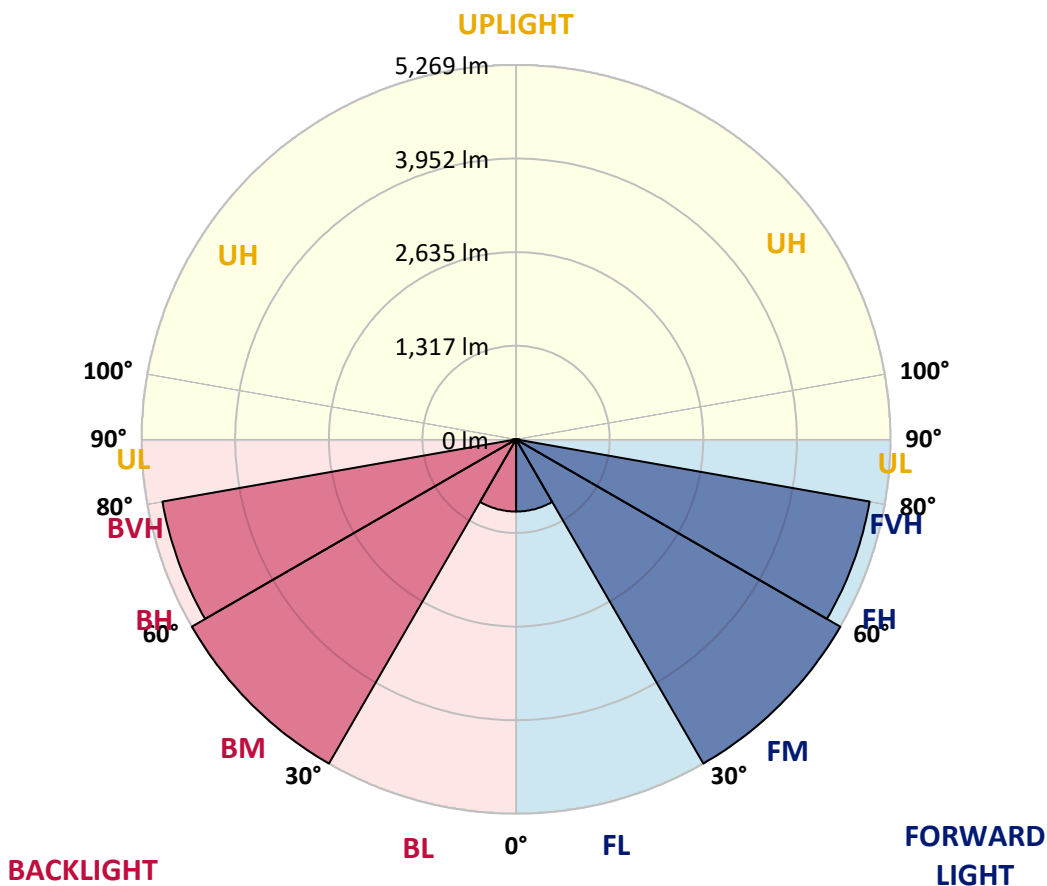
CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.2	4.5			
FM	(30°-60°)	5269.1	23.1			
FH	(60°-80°)	5053.2	22.2			G3/7500
FVH	(80°-90°)	48.8	0.2			G1/100
BL	(0°-30°)	1016.2	4.5	B3/2500		
BM	(30°-60°)	5269.1	23.1	B4/8500		
BH	(60°-80°)	5053.2	22.2	B5		G3/7500
BVH	(80°-90°)	48.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





REPORT NUMBER: P635760  
 CATALOG NUMBER: GWS-SA3E-740-U-5MQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2	2385.2
2.5°	2369.4	2367.9	2375.7	2380.5	2378.9	2389.9	2388.4	2385.2	2385.2	2380.5	2393.1
5°	2369.4	2367.9	2374.2	2375.7	2372.6	2382.1	2378.9	2375.7	2375.7	2369.4	2380.5
7.5°	2356.8	2358.4	2363.1	2366.3	2363.1	2371.0	2366.3	2360.0	2358.4	2352.1	2363.1
10°	2333.2	2334.8	2339.5	2347.4	2348.9	2363.1	2355.3	2344.2	2339.5	2333.2	2344.2
12.5°	2319.0	2320.6	2325.3	2334.8	2337.9	2356.8	2348.9	2331.6	2323.7	2317.4	2328.5
15°	2315.8	2317.4	2323.7	2333.2	2337.9	2356.8	2348.9	2328.5	2317.4	2309.5	2319.0
17.5°	2315.8	2319.0	2328.5	2342.6	2352.1	2371.0	2361.6	2337.9	2322.1	2308.0	2317.4
20°	2317.4	2322.1	2336.3	2356.8	2380.5	2407.3	2394.7	2363.1	2341.1	2323.7	2330.0
22.5°	2331.6	2339.5	2356.8	2383.6	2418.3	2449.8	2438.8	2396.2	2364.7	2341.1	2347.4
25°	2380.5	2383.6	2405.7	2440.4	2473.5	2500.3	2489.3	2449.8	2410.4	2382.1	2389.9
27.5°	2467.2	2475.1	2494.0	2530.2	2558.6	2572.8	2571.2	2544.4	2505.0	2479.8	2486.1
30°	2571.2	2579.1	2604.3	2645.3	2673.7	2689.5	2684.7	2664.2	2628.0	2593.3	2599.6
32.5°	2692.6	2695.8	2725.7	2771.4	2801.4	2825.0	2809.3	2787.2	2741.5	2700.5	2703.7
35°	2847.1	2851.8	2883.4	2925.9	2949.6	2968.5	2965.3	2943.3	2894.4	2850.3	2861.3
37.5°	3041.0	3044.2	3072.5	3126.1	3145.1	3159.3	3162.4	3151.4	3100.9	3044.2	3055.2
40°	3282.2	3283.8	3315.3	3362.6	3383.1	3392.6	3394.2	3395.7	3343.7	3301.1	3298.0
42.5°	3562.8	3570.7	3614.9	3660.6	3670.0	3665.3	3681.1	3696.8	3646.4	3588.1	3592.8
45°	3898.6	3903.4	3963.3	4013.7	3996.4	3980.6	4010.6	4042.1	3996.4	3920.7	3898.6
47.5°	4295.9	4305.4	4370.0	4420.4	4392.1	4363.7	4412.6	4445.7	4371.6	4291.2	4270.7
50°	4745.2	4751.5	4842.9	4906.0	4872.9	4820.9	4882.3	4917.0	4817.7	4718.4	4674.2
52.5°	5276.5	5263.9	5385.2	5495.6	5475.1	5407.3	5457.8	5464.1	5315.9	5175.6	5131.4
55°	5924.4	5911.8	6033.2	6154.6	6205.0	6187.7	6164.0	6126.2	5907.1	5757.3	5716.3
57.5°	6679.5	6640.1	6810.4	6974.3	7084.7	7116.2	7015.3	6927.0	6753.6	6569.2	6521.9
60°	7381.1	7379.5	7649.1	7932.8	8235.5	8361.6	8106.2	7866.6	7477.2	7141.4	7073.6
62.5°	7578.1	7611.2	8052.6	8755.7	9503.0	9949.1	9276.0	8483.0	7731.0	7225.0	7135.1
65°	7092.6	7174.5	7802.0	8911.8	10387.4	11478.3	9958.6	8497.2	7448.8	6818.3	6723.7
67.5°	5227.6	5391.5	6222.3	8041.6	10311.7	11870.9	9837.2	7710.5	6469.9	5719.5	5588.6
70°	2579.1	2735.2	3394.2	5290.7	8484.6	10611.3	8511.4	5810.9	4370.0	3648.0	3528.2
72.5°	949.0	1012.1	1270.6	2263.8	4682.1	7838.2	5820.3	3246.0	2117.2	1685.3	1604.9
75°	465.1	476.1	515.5	759.9	1727.8	3689.0	2735.2	1245.4	778.8	677.9	655.8
77.5°	296.4	301.1	320.0	362.6	554.9	1161.9	829.2	491.9	381.5	365.7	365.7
80°	165.5	170.3	195.5	225.4	260.1	398.8	298.0	294.8	250.7	219.1	214.4
82.5°	78.8	86.7	124.5	123.0	137.2	200.2	175.0	159.2	160.8	121.4	115.1
85°	36.3	36.3	48.9	58.3	61.5	67.8	80.4	91.4	89.9	61.5	66.2
87.5°	17.3	17.3	17.3	15.8	14.2	12.6	17.3	28.4	41.0	28.4	26.8
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)