

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: P637250

Luminaire Tested: GWS-SA4C-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637250  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

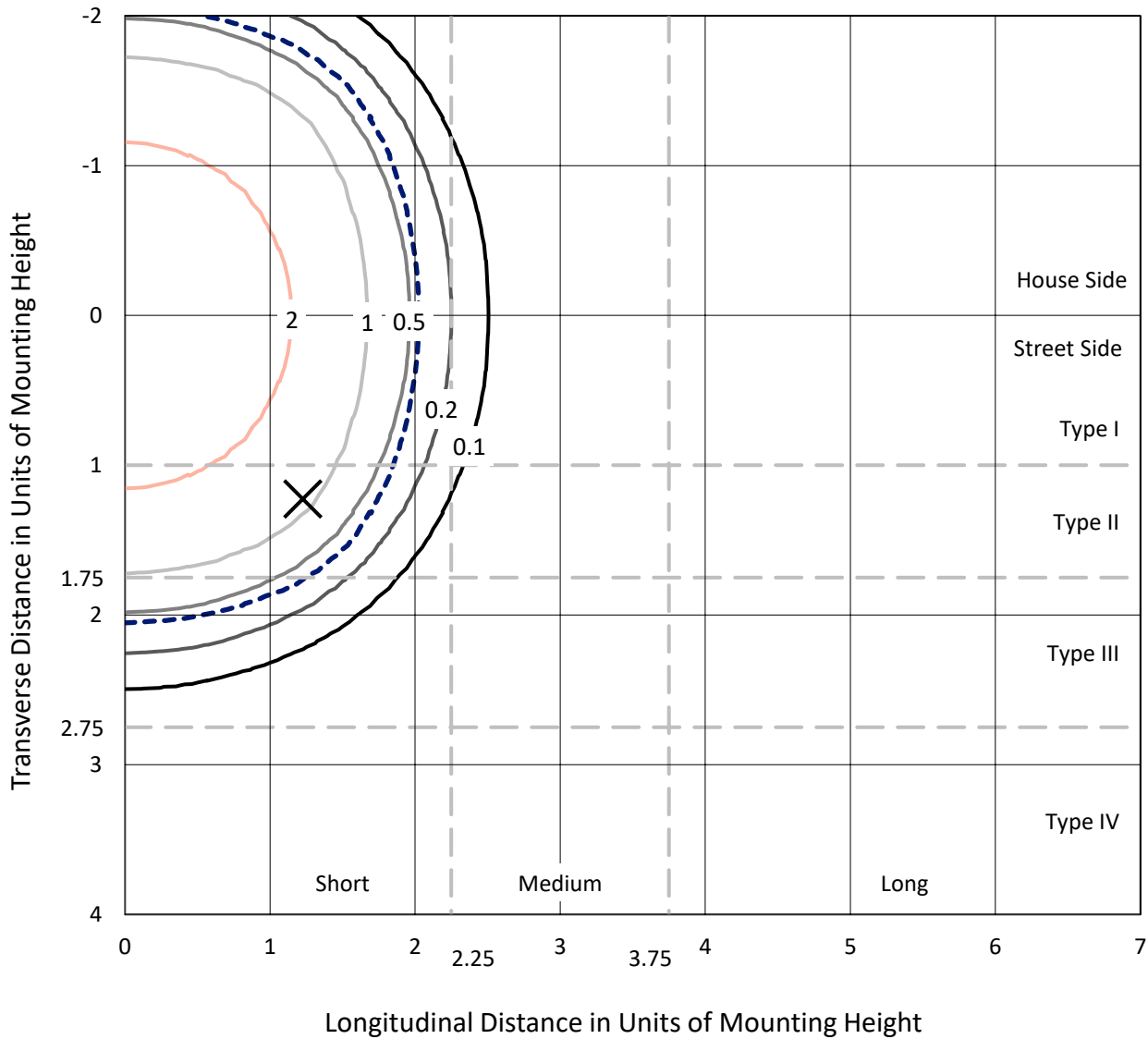
Lumens per Lamp: N/A  
Luminaire Lumens: 16394 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P637250  
 CATALOG NUMBER: GWS-SA4C-740-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

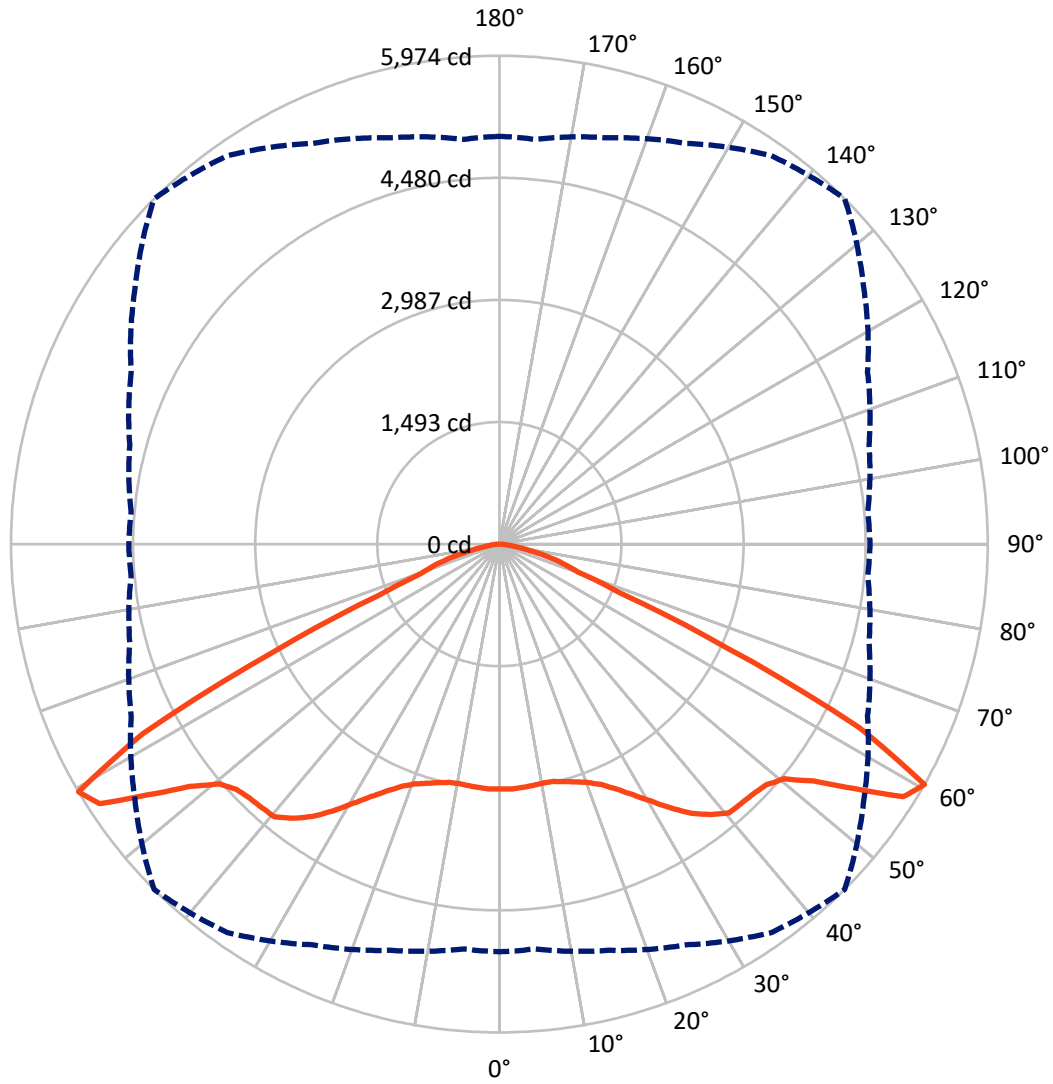
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P637250  
CATALOG NUMBER: GWS-SA4C-740-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637250

CATALOG NUMBER: GWS-SA4C-740-U-5WQ-W-GRSWH

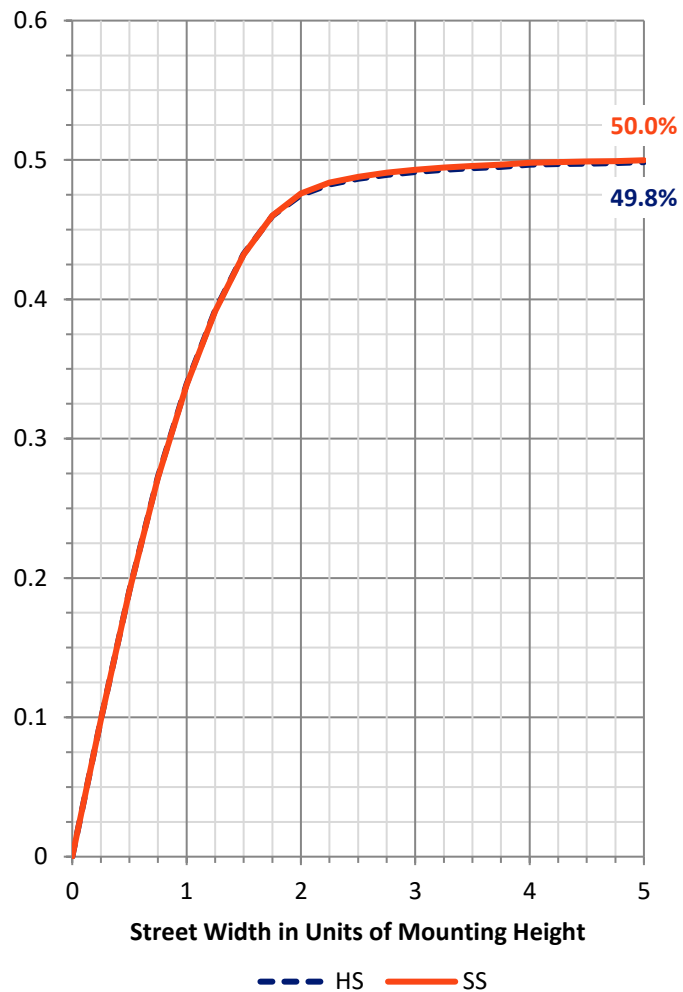
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8197.0	0.0	8197.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8197.0	0.0	8197.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16394.0	0.0	16394.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.1	1.7
10°-20°	854.6	5.2
20°-30°	1511.9	9.2
30°-40°	2434.3	14.8
40°-50°	3345.8	20.4
50°-60°	4458.7	27.2
60°-70°	2778.8	17.0
70°-80°	639.0	3.9
80°-90°	86.7	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°	16394.0	100.0
0°-180°	16394.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637250

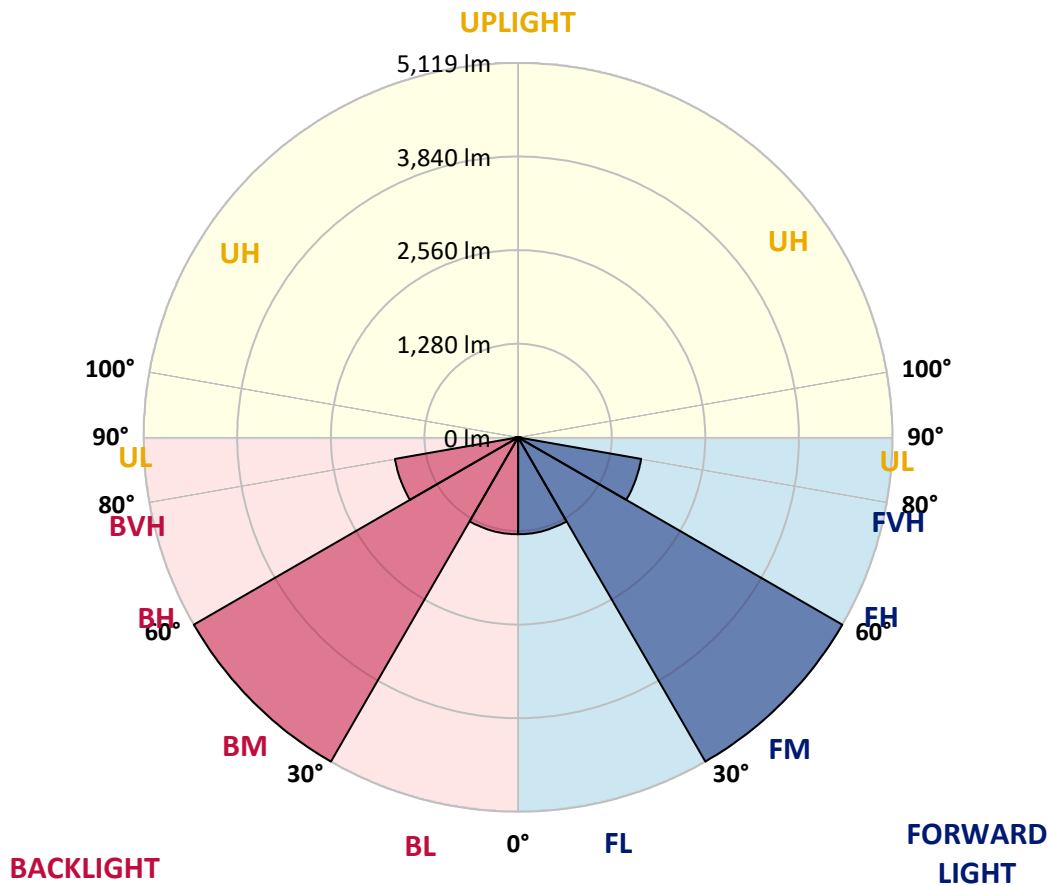
CATALOG NUMBER: GWS-SA4C-740-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1325.3	8.1			
FM (30°-60°)	5119.4	31.2			
FH (60°-80°)	1708.9	10.4			G1/1800
FVH (80°-90°)	43.3	0.3			G1/100
BL (0°-30°)	1325.3	8.1	B3/2500		
BM (30°-60°)	5119.4	31.2	B4/8500		
BH (60°-80°)	1708.9	10.4	B3/2500		G1/1800
BVH (80°-90°)	43.3	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





REPORT NUMBER: P637250

CATALOG NUMBER: GWS-SA4C-740-U-5WQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0	2996.0
2.5°	2975.1	2977.9	2983.5	2987.6	2993.2	2998.8	3001.5	2996.0	2993.2	2982.1	2994.6
5°	2977.9	2980.7	2984.8	2984.8	2986.2	2990.4	2990.4	2983.5	2976.5	2964.0	2977.9
7.5°	2973.7	2976.5	2977.9	2976.5	2977.9	2979.3	2976.5	2968.1	2961.2	2950.1	2961.2
10°	2966.8	2969.5	2972.3	2969.5	2966.8	2970.9	2970.9	2965.4	2961.2	2950.1	2962.6
12.5°	2982.1	2986.2	2987.6	2980.7	2977.9	2979.3	2979.3	2973.7	2973.7	2964.0	2977.9
15°	3018.2	3021.0	3016.9	3008.5	3009.9	3014.1	3004.3	2990.4	2987.6	2983.5	2994.6
17.5°	3046.1	3048.9	3044.7	3039.1	3048.9	3058.6	3040.5	3014.1	3005.7	3002.9	3015.5
20°	3076.7	3080.9	3075.3	3082.3	3101.7	3112.9	3090.6	3054.4	3037.7	3033.6	3048.9
22.5°	3126.8	3132.4	3132.4	3147.7	3176.9	3195.0	3167.1	3118.4	3093.4	3086.4	3101.7
25°	3206.1	3210.3	3214.5	3245.1	3292.4	3317.4	3272.9	3206.1	3171.3	3160.2	3168.5
27.5°	3316.0	3323.0	3329.9	3374.5	3432.9	3469.1	3405.1	3321.6	3278.5	3256.2	3272.9
30°	3446.8	3456.6	3473.3	3523.4	3605.5	3645.8	3563.7	3462.1	3413.4	3389.8	3412.0
32.5°	3625.0	3626.3	3638.9	3694.5	3803.1	3849.0	3746.0	3633.3	3583.2	3555.4	3567.9
35°	3836.5	3837.9	3818.4	3875.4	3992.3	4043.8	3922.7	3808.6	3766.9	3758.5	3790.5
37.5°	4053.5	4041.0	4021.5	4046.6	4164.9	4198.3	4070.2	3972.8	3954.7	3970.1	4017.4
40°	4208.0	4187.1	4148.2	4166.3	4285.9	4324.9	4188.5	4096.7	4091.1	4128.7	4185.7
42.5°	4308.2	4285.9	4240.0	4240.0	4322.1	4338.8	4233.1	4184.4	4196.9	4240.0	4294.3
45°	4356.9	4344.4	4317.9	4304.0	4349.9	4356.9	4276.2	4256.7	4280.4	4301.2	4343.0
47.5°	4394.5	4394.5	4386.1	4372.2	4393.1	4397.3	4337.4	4331.9	4362.5	4362.5	4390.3
50°	4461.3	4468.2	4479.4	4476.6	4498.8	4512.8	4468.2	4459.9	4472.4	4432.0	4446.0
52.5°	4636.6	4654.7	4686.7	4711.7	4768.8	4811.9	4732.6	4665.8	4600.4	4511.4	4514.1
55°	4951.1	4959.4	5022.1	5095.8	5191.8	5279.5	5116.7	4909.3	4767.4	4663.0	4664.4
57.5°	5216.9	5229.4	5321.2	5475.7	5691.4	5827.8	5467.4	5120.9	4920.5	4792.5	4796.6
60°	4987.3	4970.6	5144.5	5408.9	5799.9	5973.9	5442.3	4969.2	4681.1	4522.5	4533.6
62.5°	3858.7	3826.7	4020.2	4297.1	4766.0	4940.0	4450.1	3996.5	3723.8	3599.9	3581.8
65°	2348.9	2319.7	2458.8	2628.6	2945.9	3055.8	2831.8	2591.0	2353.1	2277.9	2257.1
67.5°	1278.8	1274.6	1312.2	1395.7	1534.9	1586.4	1543.2	1429.1	1367.9	1315.0	1315.0
70°	1014.4	1006.1	999.1	1000.5	1013.0	1020.0	1021.4	1015.8	1022.8	1024.2	1018.6
72.5°	840.5	837.7	823.8	825.2	819.6	816.8	826.6	832.1	843.3	844.7	844.7
75°	609.5	602.5	609.5	610.9	605.3	605.3	612.3	610.9	616.5	619.2	603.9
77.5°	346.5	346.5	356.2	367.4	375.7	375.7	382.7	382.7	389.6	388.2	385.5
80°	190.6	190.6	196.2	203.2	211.5	219.9	226.8	228.2	232.4	231.0	226.8
82.5°	108.5	109.9	112.7	116.9	125.2	132.2	139.2	140.5	144.7	144.7	140.5
85°	51.5	50.1	51.5	54.3	58.4	64.0	71.0	75.1	77.9	77.9	75.1
87.5°	9.7	11.1	9.7	11.1	12.5	16.7	19.5	22.3	26.4	27.8	25.0
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)