

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: P628834

Luminaire Tested: GWS-SA1A-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

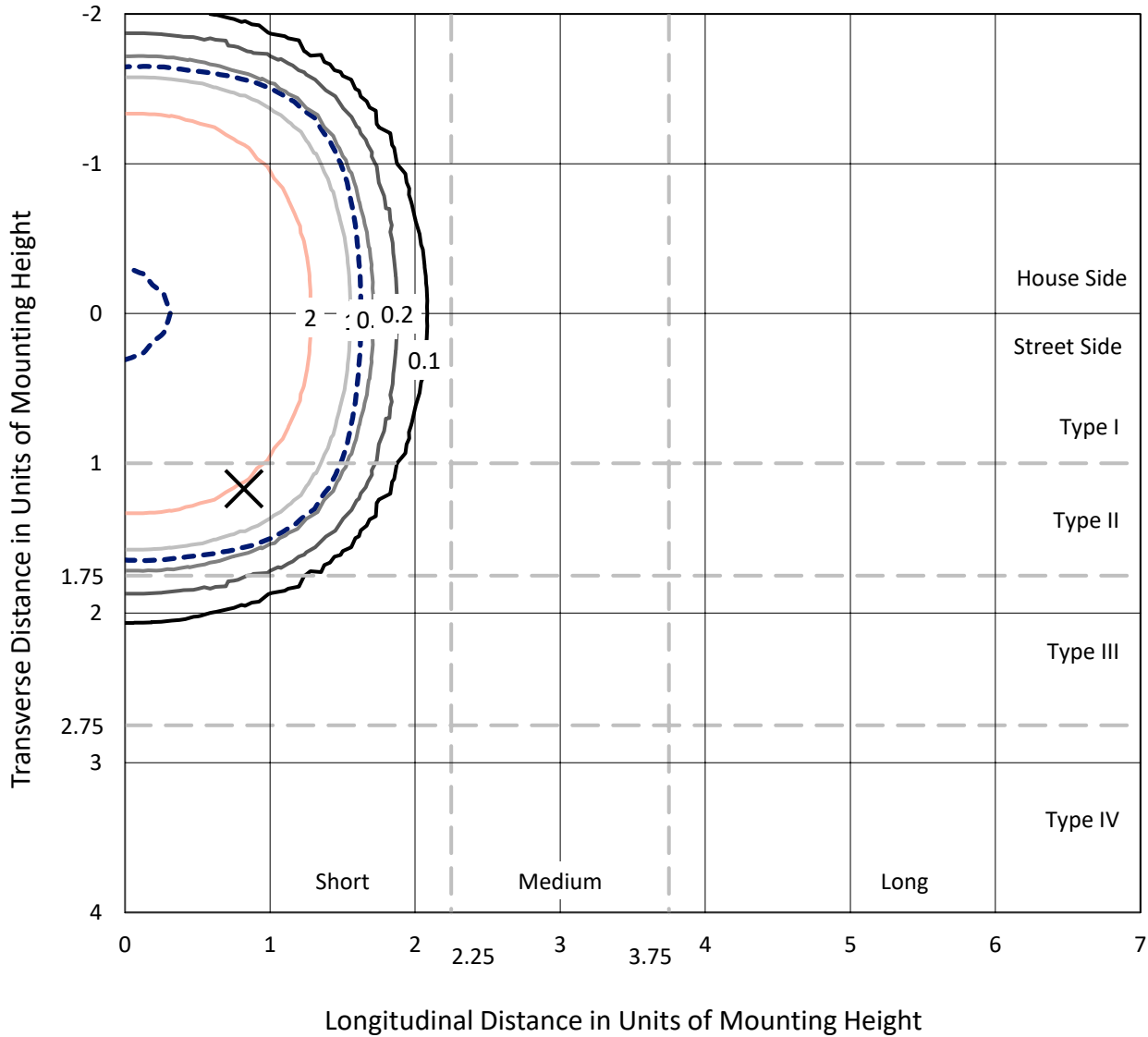
Lumens per Lamp: N/A  
Luminaire Lumens: 2578 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P628834  
 CATALOG NUMBER: GWS-SA1A-740-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

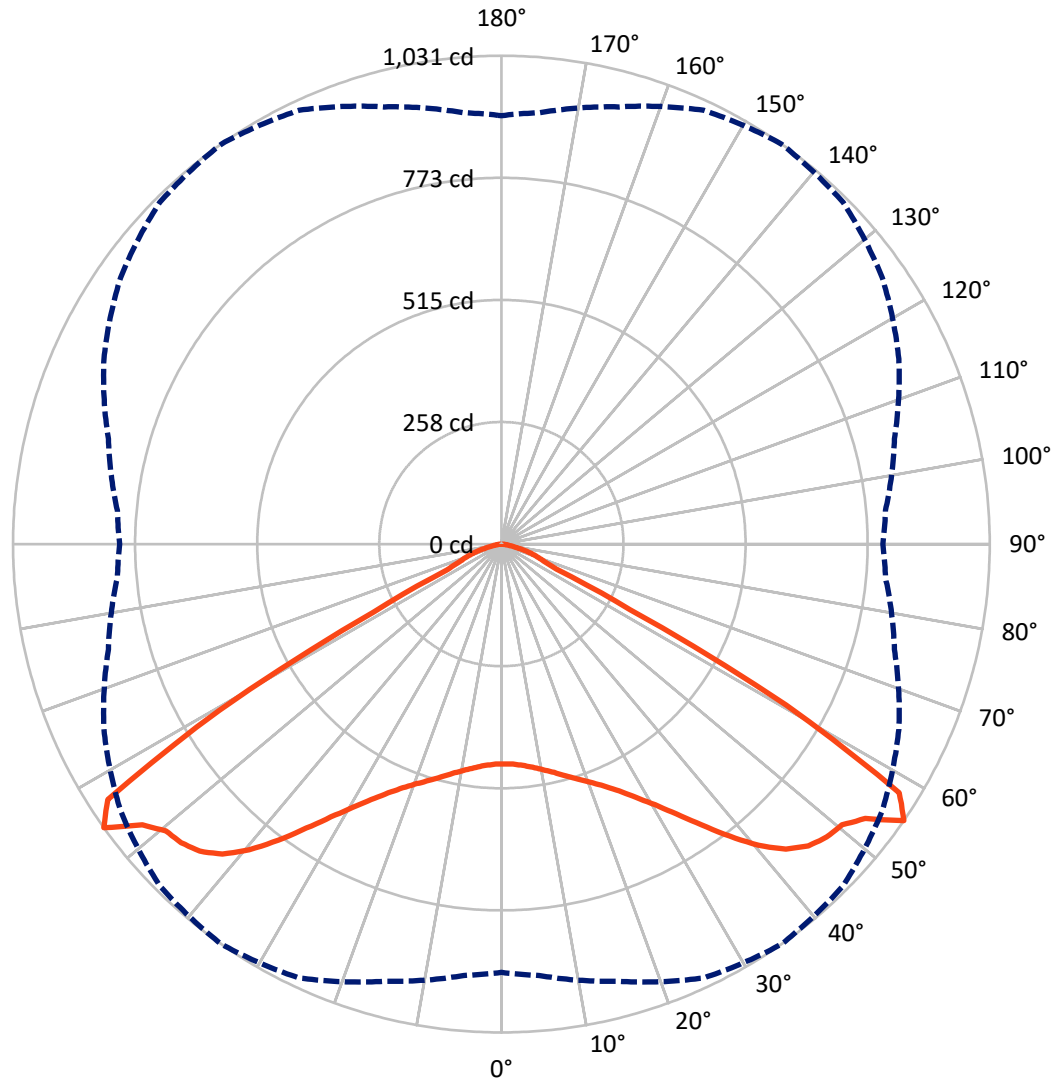
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P628834  
CATALOG NUMBER: GWS-SA1A-740-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P628834

CATALOG NUMBER: GWS-SA1A-740-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1289.0	0.0	1289.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1289.0	0.0	1289.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2578.0	0.0	2578.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.8
10°-20°	144.0	5.6
20°-30°	266.6	10.3
30°-40°	445.9	17.3
40°-50°	679.5	26.4
50°-60°	761.2	29.5
60°-70°	180.1	7.0
70°-80°	48.6	1.9
80°-90°	7.0	0.3
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°	2578.0	100.0
0°-180°	2578.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P628834

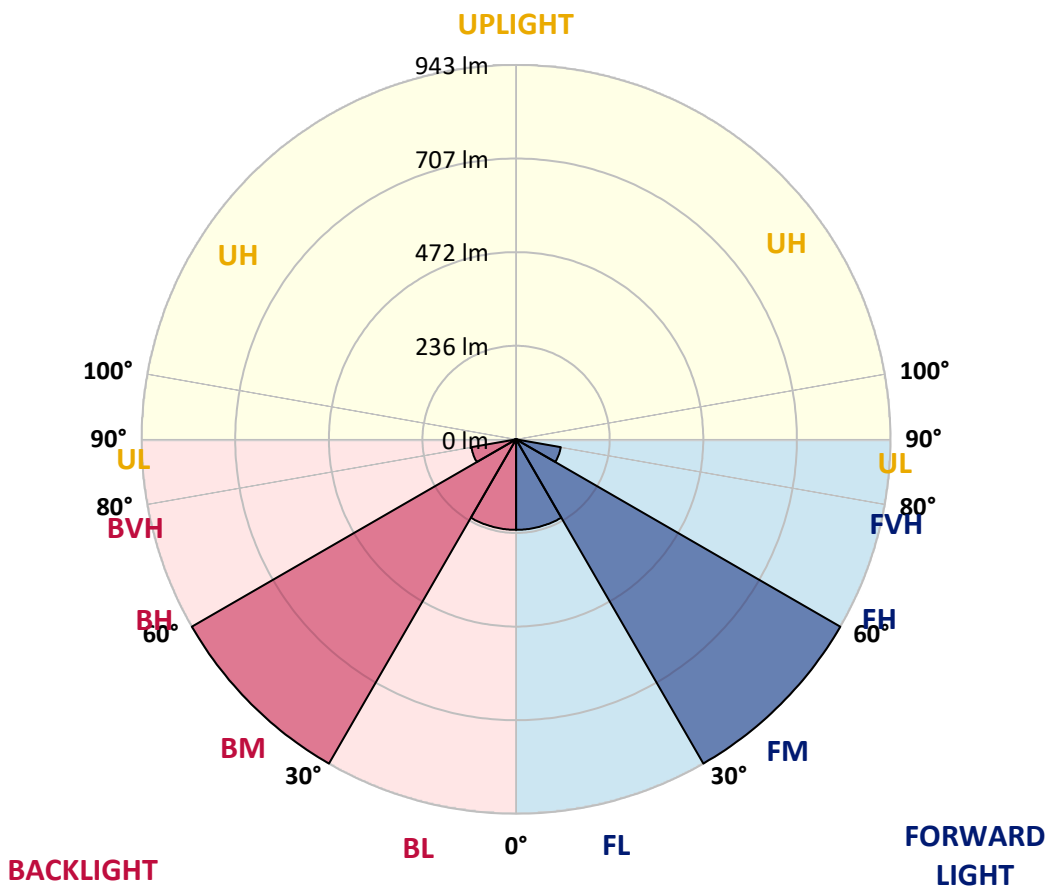
CATALOG NUMBER: GWS-SA1A-740-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.9	8.8			
FM (30°-60°)	943.3	36.6			
FH (60°-80°)	114.3	4.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	227.9	8.8	B1/500		
BM (30°-60°)	943.3	36.6	B1/1000		
BH (60°-80°)	114.3	4.4	B1/500		G0/660
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





REPORT NUMBER: P628834

CATALOG NUMBER: GWS-SA1A-740-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8	463.8
2.5°	462.8	462.8	463.6	464.6	464.8	466.8	466.4	465.6	465.2	464.4	466.2
5°	467.9	468.1	468.7	469.3	468.9	470.5	469.9	468.9	468.3	467.3	469.1
7.5°	474.6	474.6	475.2	476.0	475.6	478.1	476.8	475.4	474.4	473.2	474.8
10°	480.7	481.1	481.7	483.4	484.2	486.8	486.0	484.0	482.3	480.9	482.7
12.5°	489.9	490.3	490.9	493.1	494.6	497.2	496.0	493.1	490.7	488.7	490.7
15°	501.7	501.3	502.9	505.8	507.6	510.1	508.6	503.7	500.5	497.8	499.9
17.5°	513.7	513.5	515.2	518.8	521.5	524.7	522.3	516.6	513.1	509.9	511.9
20°	526.8	527.4	529.0	532.5	536.4	540.6	538.6	532.5	528.6	524.9	526.6
22.5°	542.9	543.1	544.9	549.4	554.5	558.6	557.4	549.8	544.9	541.1	543.1
25°	562.3	562.1	564.5	569.8	576.9	581.0	578.4	570.0	564.7	560.2	561.8
27.5°	584.5	584.3	587.9	594.9	605.1	610.8	605.3	594.9	587.5	581.2	582.6
30°	612.4	611.8	615.9	625.2	638.5	648.1	639.9	625.5	615.9	609.1	610.6
32.5°	643.4	644.2	649.3	661.9	678.7	691.1	678.9	662.8	649.9	640.1	641.8
35°	677.4	677.4	687.8	703.5	727.4	743.9	724.9	701.7	684.6	671.1	671.5
37.5°	715.4	715.8	729.4	751.0	782.2	801.6	775.9	747.2	726.4	711.9	711.1
40°	761.6	762.9	776.9	801.0	836.0	853.8	826.3	798.1	776.9	759.8	758.2
42.5°	813.8	814.2	829.1	850.7	880.3	890.9	869.3	846.2	828.9	813.4	811.8
45°	863.6	862.5	875.4	891.5	908.6	909.6	897.6	888.2	873.1	859.9	857.4
47.5°	902.3	901.5	913.1	921.9	923.9	913.9	917.8	919.2	901.7	883.7	879.1
50°	925.9	927.6	938.6	943.5	931.5	915.1	929.8	926.2	901.1	877.6	870.1
52.5°	940.2	942.7	961.8	974.3	961.8	946.3	948.4	926.8	890.7	859.7	849.9
55°	904.1	913.9	955.3	1010.3	1030.7	1019.9	981.2	925.5	858.7	813.6	805.3
57.5°	670.1	685.6	747.0	866.2	990.2	1029.5	916.4	775.9	674.6	616.7	611.8
60°	342.1	359.4	408.5	531.1	690.5	745.9	638.3	496.8	394.9	348.0	342.7
62.5°	139.6	142.5	158.6	205.9	305.2	352.1	309.3	217.1	163.1	150.2	150.5
65°	109.9	110.5	109.7	112.5	127.8	141.9	131.1	115.2	112.3	113.8	112.7
67.5°	95.8	96.0	95.4	95.4	96.0	95.4	96.6	97.2	97.7	99.3	98.3
70°	80.1	80.3	80.3	80.7	80.5	79.5	81.3	82.2	82.4	83.4	82.8
72.5°	62.0	62.6	63.0	63.2	63.0	62.4	63.4	64.8	64.6	65.6	64.6
75°	42.0	42.8	43.2	44.0	43.8	43.8	45.1	45.7	45.1	45.9	45.1
77.5°	23.9	24.5	25.7	26.5	27.3	27.9	28.7	29.2	28.9	29.4	28.9
80°	13.9	14.1	15.1	15.5	16.5	17.5	18.3	18.8	19.0	19.2	19.0
82.5°	8.0	8.2	8.6	9.0	9.8	10.6	11.4	12.0	12.0	12.2	12.0
85°	3.9	3.9	4.1	4.3	4.7	5.3	5.9	6.5	6.7	6.7	6.7
87.5°	0.6	0.6	0.8	0.8	1.0	1.2	1.6	2.0	2.2	2.2	2.2
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)