

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: P638233

Luminaire Tested: GWS-SA4E-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4E-740-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

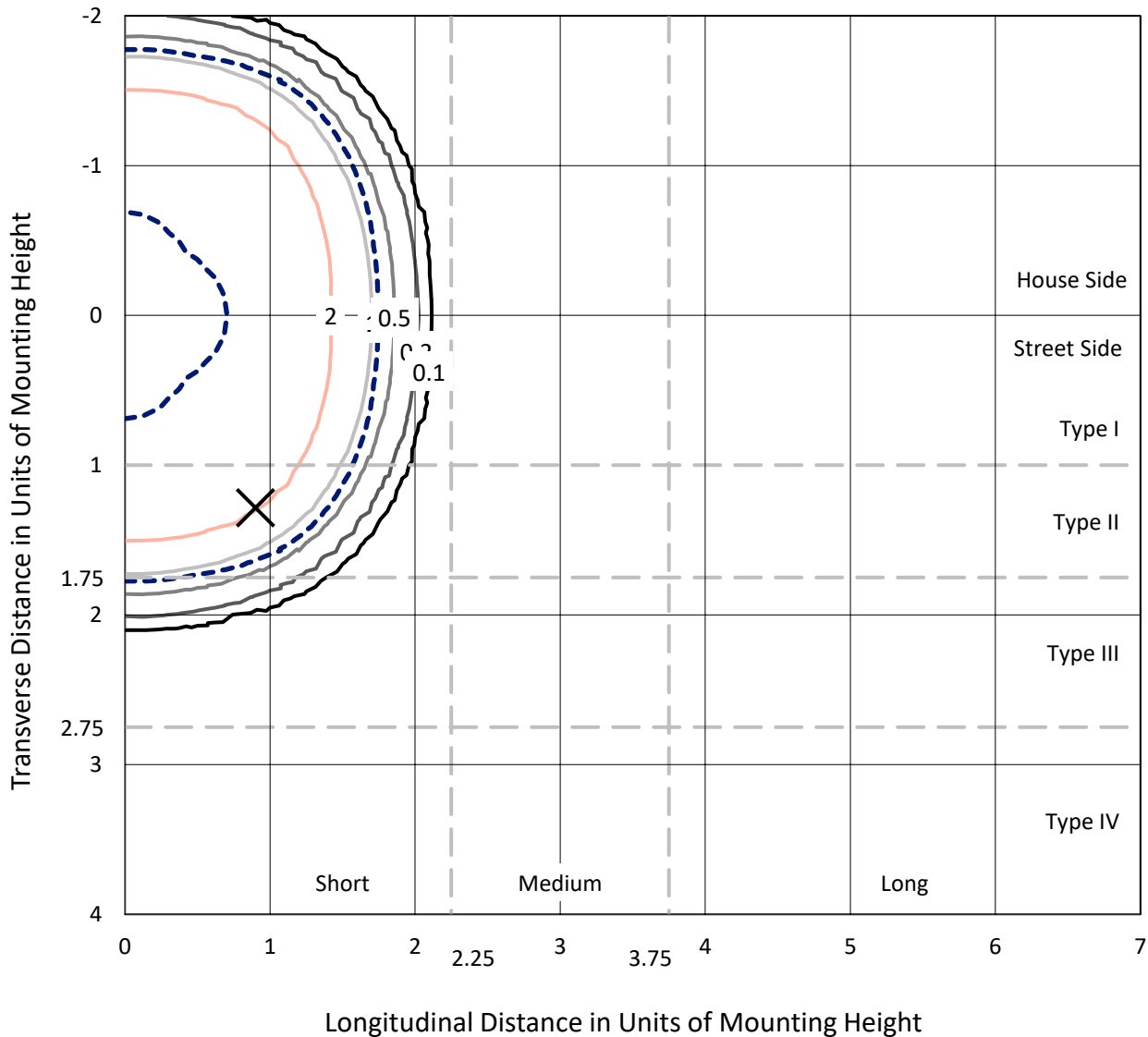
Lumens per Lamp: N/A  
Luminaire Lumens: 18697.9 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P638233  
 CATALOG NUMBER: GWS-SA4E-740-U-5MQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

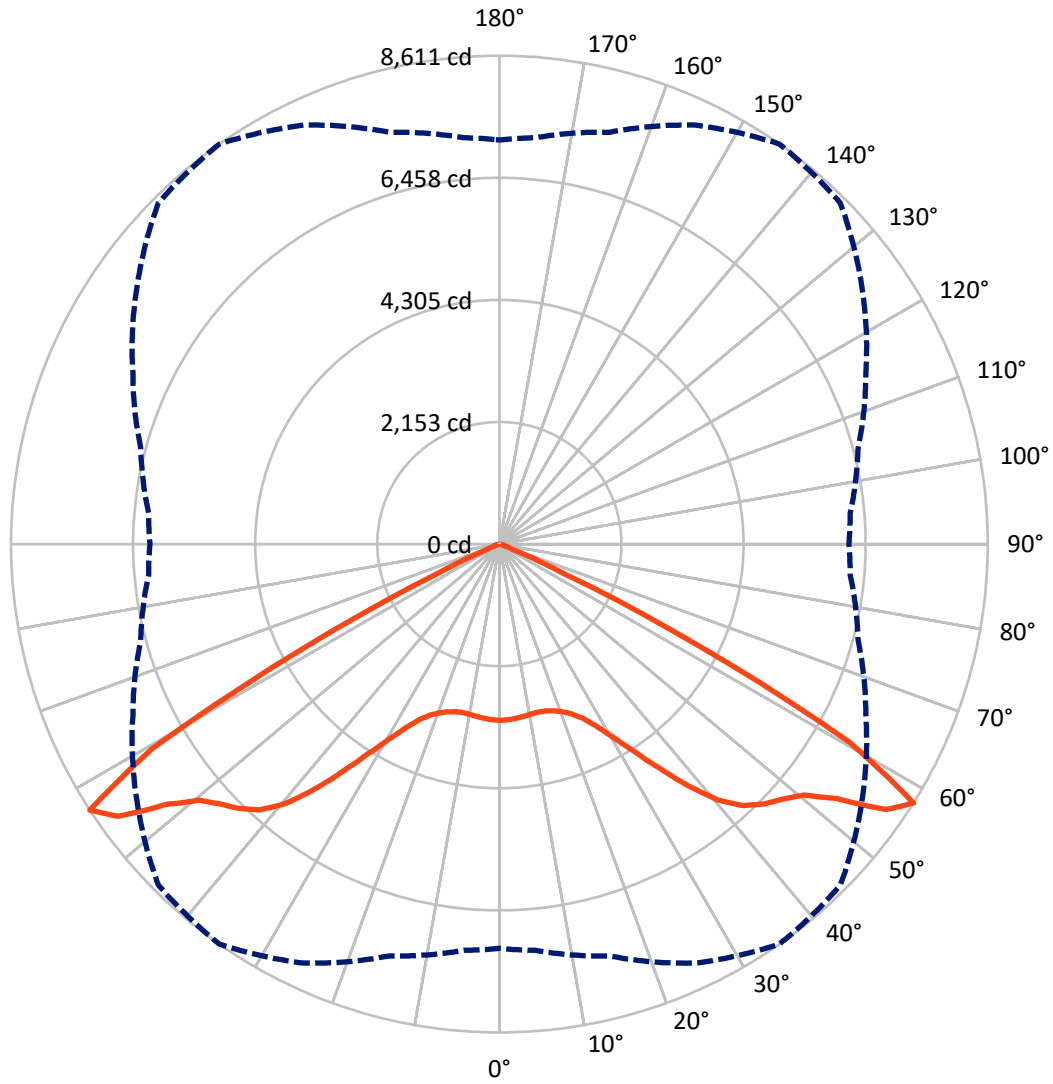
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Short - N/A

REPORT NUMBER: P638233  
CATALOG NUMBER: GWS-SA4E-740-U-5MQ-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P638233

CATALOG NUMBER: GWS-SA4E-740-U-5MQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9349.0	0.0	9349.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9349.0	0.0	9349.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18697.9	0.0	18697.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.9	1.6
10°-20°	861.6	4.6
20°-30°	1557.3	8.3
30°-40°	2905.3	15.5
40°-50°	4873.6	26.1
50°-60°	6436.1	34.4
60°-70°	1709.3	9.1
70°-80°	60.7	0.3
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°	18697.9	100.0
0°-180°	18697.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P638233

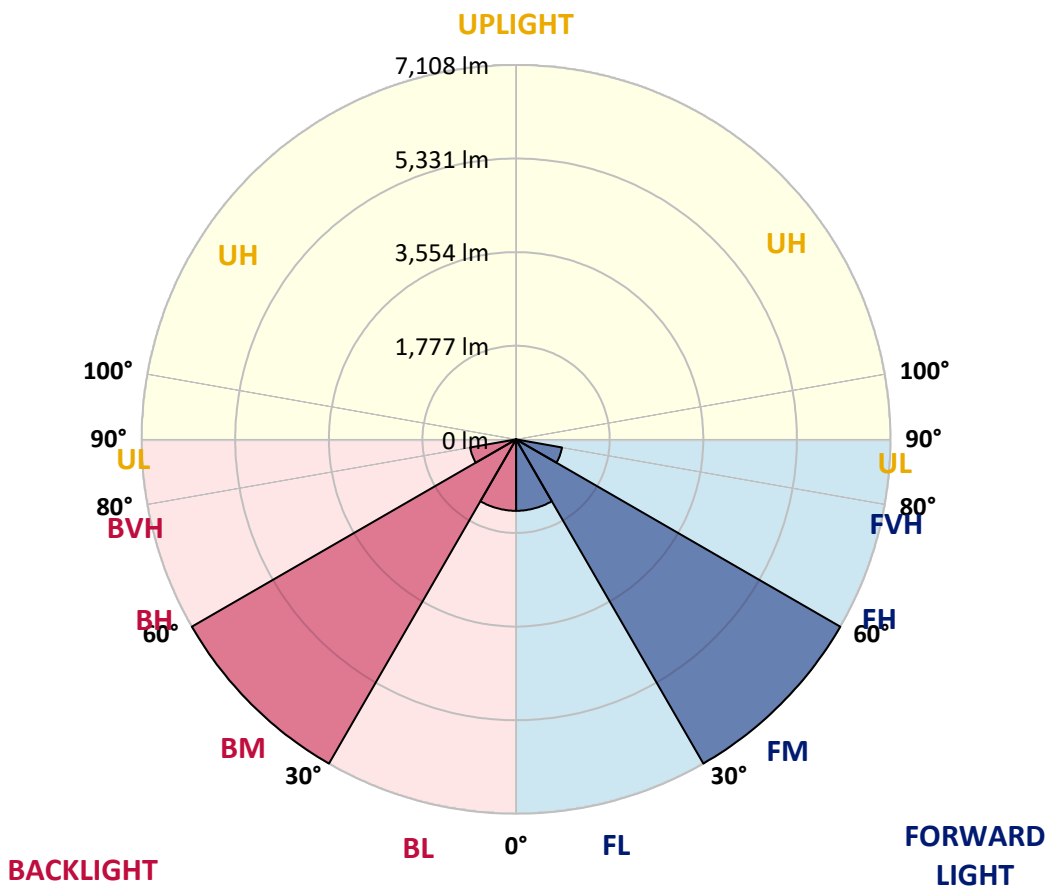
CATALOG NUMBER: GWS-SA4E-740-U-5MQ-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.9	7.3			
FM (30°-60°)	7107.5	38.0			
FH (60°-80°)	885.0	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1355.9	7.3	B3/2500		
BM (30°-60°)	7107.5	38.0	B4/8500		
BH (60°-80°)	885.0	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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-G1**

Type V Short





REPORT NUMBER: P638233

CATALOG NUMBER: GWS-SA4E-740-U-5MQ-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7	3108.7
2.5°	3086.8	3084.6	3093.3	3099.9	3099.9	3115.3	3110.9	3106.5	3102.1	3095.5	3110.9
5°	3082.4	3080.2	3086.8	3091.1	3086.8	3099.9	3091.1	3082.4	3078.0	3069.2	3086.8
7.5°	3062.6	3064.8	3069.2	3073.6	3067.0	3078.0	3067.0	3053.8	3042.9	3034.1	3049.5
10°	3031.9	3034.1	3038.5	3047.3	3049.5	3064.8	3049.5	3025.3	3010.0	2996.8	3012.2
12.5°	3016.6	3018.7	3025.3	3036.3	3038.5	3058.2	3038.5	3003.4	2981.5	2966.1	2981.5
15°	3020.9	3025.3	3034.1	3047.3	3051.7	3071.4	3045.1	2999.0	2968.3	2948.5	2961.7
17.5°	3036.3	3040.7	3053.8	3075.8	3091.1	3110.9	3078.0	3018.7	2977.1	2948.5	2961.7
20°	3056.0	3062.6	3084.6	3119.7	3152.6	3187.7	3146.0	3064.8	3010.0	2974.9	2985.8
22.5°	3110.9	3117.5	3148.2	3194.3	3249.1	3293.0	3242.5	3139.4	3064.8	3018.7	3029.7
25°	3222.8	3229.4	3268.8	3328.1	3398.3	3455.3	3391.7	3262.3	3165.7	3113.1	3117.5
27.5°	3398.3	3404.9	3450.9	3534.3	3628.6	3709.8	3617.7	3466.3	3356.6	3295.2	3295.2
30°	3619.9	3628.6	3690.1	3802.0	3948.9	4056.4	3931.4	3747.1	3606.7	3523.3	3525.5
32.5°	3905.1	3896.3	3984.0	4137.6	4346.0	4488.6	4304.3	4080.6	3907.3	3791.0	3802.0
35°	4271.4	4269.2	4368.0	4576.4	4848.4	5019.5	4800.2	4510.6	4302.2	4183.7	4185.9
37.5°	4743.1	4740.9	4855.0	5081.0	5407.9	5550.5	5304.7	5010.8	4787.0	4672.9	4686.1
40°	5296.0	5282.8	5383.7	5600.9	5927.8	6019.9	5752.3	5515.4	5300.4	5228.0	5263.1
42.5°	5822.5	5794.0	5853.2	6050.7	6302.9	6316.1	6114.3	5951.9	5804.9	5747.9	5769.8
45°	6245.9	6224.0	6278.8	6392.9	6537.7	6471.9	6375.3	6324.9	6206.4	6145.0	6164.7
47.5°	6561.8	6561.8	6627.6	6697.8	6719.8	6599.1	6614.5	6614.5	6496.0	6399.5	6375.3
50°	6833.9	6853.6	6952.3	7024.7	6952.3	6798.8	6886.5	6869.0	6627.6	6434.6	6384.1
52.5°	7268.2	7288.0	7439.4	7538.1	7456.9	7305.5	7316.5	7097.1	6741.7	6513.6	6434.6
55°	7729.0	7777.2	7996.6	8259.9	8262.1	8106.3	7816.7	7428.4	6996.2	6748.3	6667.1
57.5°	7125.6	7191.5	7518.3	8152.4	8610.9	8503.4	7812.3	7130.0	6546.5	6208.6	6162.5
60°	4903.3	5017.3	5344.2	6210.8	7094.9	7136.6	6320.5	5554.8	4885.7	4468.9	4477.7
62.5°	2071.0	2187.3	2371.6	3084.6	3896.3	3946.7	3551.9	3003.4	2457.1	2156.6	2202.6
65°	487.0	519.9	574.8	853.4	1237.3	1294.4	1193.5	930.2	686.7	581.4	592.3
67.5°	212.8	217.2	206.2	219.4	272.0	278.6	269.8	236.9	223.8	228.2	228.2
70°	149.2	151.4	142.6	136.0	129.4	120.7	125.0	138.2	149.2	158.0	155.8
72.5°	92.1	94.3	96.5	96.5	89.9	81.2	85.6	94.3	96.5	98.7	96.5
75°	46.1	48.3	52.7	54.8	52.7	50.5	50.5	52.7	52.7	50.5	50.5
77.5°	8.8	11.0	15.4	17.6	17.6	17.6	17.6	17.6	19.7	17.6	17.6
80°	2.2	2.2	4.4	2.2	2.2	2.2	2.2	2.2	2.2	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)