

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: P637244

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-740-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 16996.6 lumens  
Efficiency: N/A  
Efficacy: 132.3 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): 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

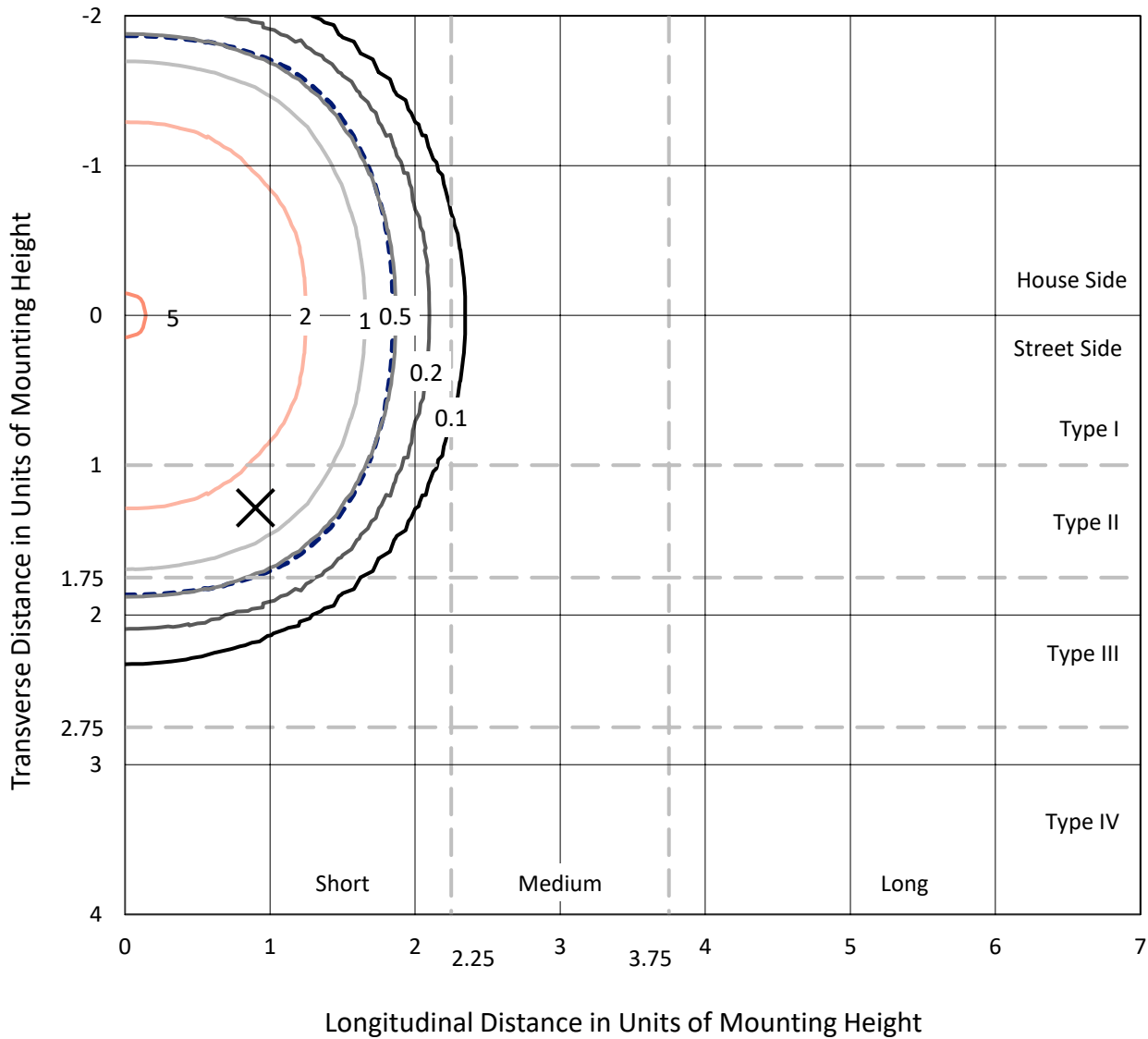


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### Iso-Footcandle Lines of Horizontal Illumination

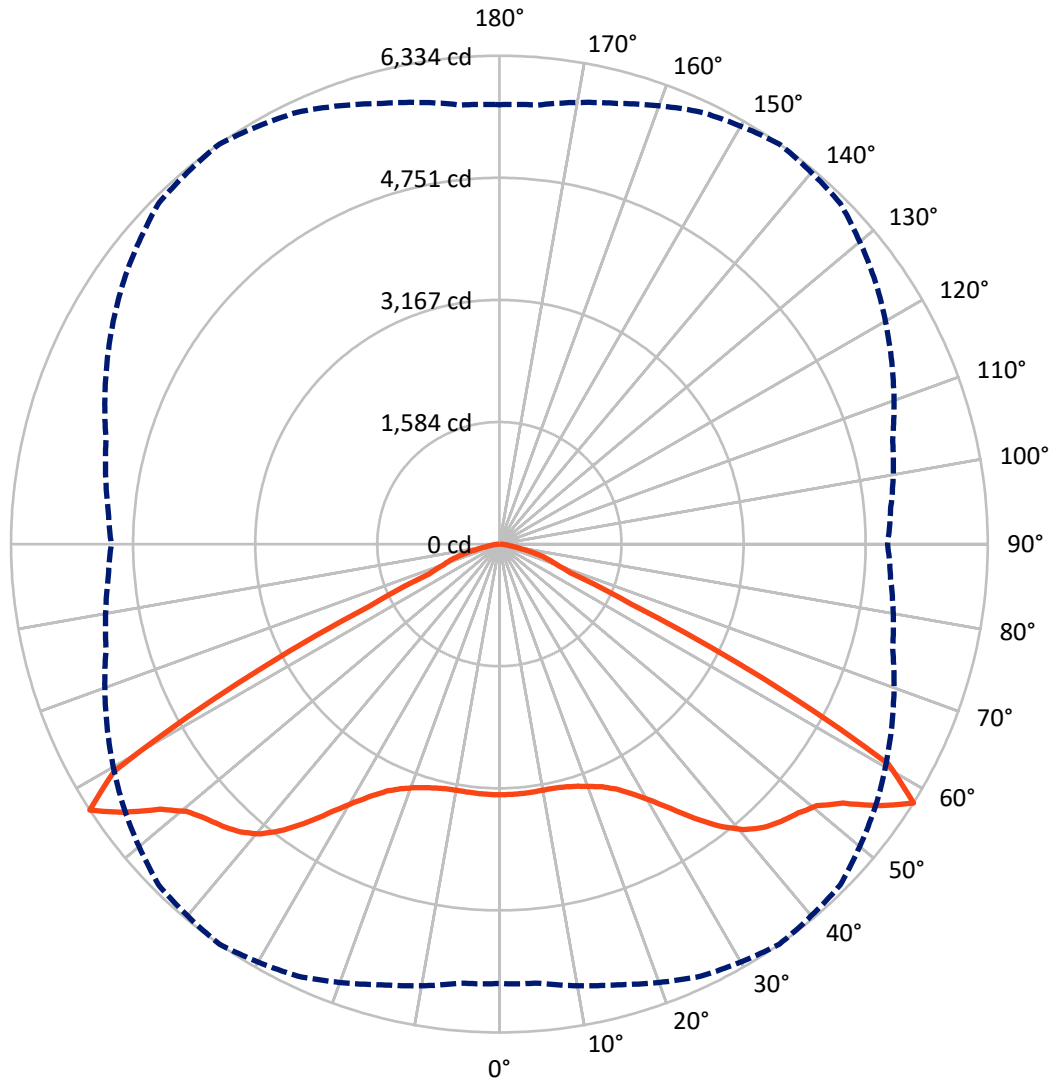
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8498.3	0.0	8498.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8498.3	0.0	8498.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16996.6	0.0	16996.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.4	1.8
10°-20°	923.0	5.4
20°-30°	1610.5	9.5
30°-40°	2640.9	15.5
40°-50°	3889.5	22.9
50°-60°	4963.6	29.2
60°-70°	2091.9	12.3
70°-80°	499.7	2.9
80°-90°	68.0	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°	16996.6	100.0
0°-180°	16996.6	100.0

**Coefficient of Utilization**



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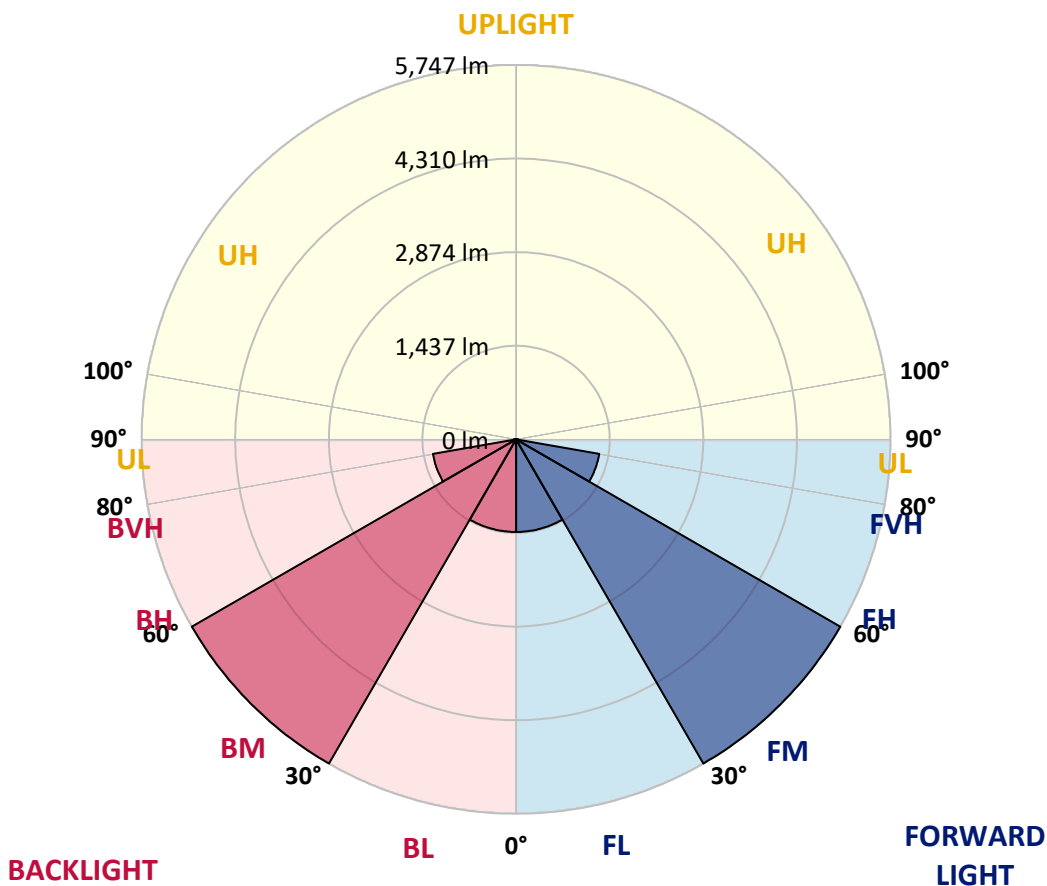
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1421.5	8.4			
FM (30°-60°)	5747.0	33.8			
FH (60°-80°)	1295.8	7.6			G1/1800
FVH (80°-90°)	34.0	0.2			G1/100
BL (0°-30°)	1421.5	8.4	B3/2500		
BM (30°-60°)	5747.0	33.8	B4/8500		
BH (60°-80°)	1295.8	7.6	B3/2500		G1/1800
BVH (80°-90°)	34.0	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1	3252.1
2.5°	3232.6	3232.6	3239.6	3246.5	3249.3	3261.8	3260.5	3256.3	3253.5	3245.1	3256.3
5°	3239.6	3239.6	3245.1	3249.3	3247.9	3257.7	3253.5	3246.5	3242.4	3234.0	3246.5
7.5°	3238.2	3238.2	3242.4	3246.5	3243.8	3252.1	3245.1	3235.4	3228.4	3220.1	3231.2
10°	3220.1	3222.9	3227.1	3236.8	3241.0	3253.5	3243.8	3228.4	3217.3	3207.6	3218.7
12.5°	3217.3	3220.1	3225.7	3238.2	3245.1	3263.2	3250.7	3225.7	3209.0	3196.4	3207.6
15°	3229.8	3232.6	3241.0	3256.3	3267.4	3286.9	3268.8	3234.0	3210.4	3193.7	3203.4
17.5°	3245.1	3249.3	3261.8	3284.1	3302.2	3323.1	3300.8	3259.1	3225.7	3203.4	3211.7
20°	3261.8	3267.4	3286.9	3320.3	3353.7	3380.1	3352.3	3296.6	3256.3	3227.1	3235.4
22.5°	3291.1	3298.0	3323.1	3370.4	3420.5	3459.4	3424.7	3349.5	3296.6	3259.1	3266.0
25°	3350.9	3359.3	3391.3	3448.3	3519.3	3566.6	3517.9	3433.0	3359.3	3313.3	3320.3
27.5°	3456.7	3460.8	3502.6	3577.7	3665.4	3719.7	3661.2	3561.0	3478.9	3426.1	3431.6
30°	3595.8	3608.3	3650.1	3748.9	3853.3	3925.6	3849.1	3730.8	3636.2	3572.2	3577.7
32.5°	3765.6	3773.9	3836.6	3939.5	4089.8	4173.3	4069.0	3928.4	3814.3	3736.4	3741.9
35°	3988.2	3995.2	4055.0	4185.9	4368.1	4446.1	4326.4	4165.0	4032.8	3959.0	3979.9
37.5°	4254.0	4266.6	4309.7	4439.1	4642.3	4718.8	4581.1	4430.8	4293.0	4224.8	4240.1
40°	4539.3	4537.9	4572.7	4686.8	4871.9	4919.2	4795.4	4675.7	4557.4	4512.9	4537.9
42.5°	4784.2	4777.3	4802.3	4896.9	5025.0	5029.1	4947.0	4880.2	4796.8	4766.1	4789.8
45°	4955.4	4958.2	4995.7	5061.1	5126.6	5091.8	5066.7	5055.6	4990.2	4948.4	4952.6
47.5°	5090.4	5101.5	5161.3	5205.9	5214.2	5155.8	5190.6	5207.3	5153.0	5089.0	5070.9
50°	5210.0	5228.1	5306.1	5353.4	5335.3	5261.5	5329.7	5354.8	5235.1	5112.6	5076.5
52.5°	5427.1	5448.0	5542.6	5603.9	5583.0	5509.2	5573.2	5484.2	5282.4	5132.1	5086.2
55°	5773.6	5783.4	5898.9	5999.1	5989.3	5898.9	5847.4	5649.8	5404.9	5249.0	5205.9
57.5°	5699.9	5716.6	5917.0	6184.1	6334.4	6252.3	5950.4	5613.6	5281.0	5093.2	5034.7
60°	4485.0	4525.4	4774.5	5244.8	5795.9	5794.5	5233.7	4710.5	4309.7	4060.6	4035.6
62.5°	2618.9	2646.8	2873.6	3349.5	3843.5	3874.1	3480.3	3121.3	2770.6	2602.2	2521.5
65°	1239.9	1238.5	1329.0	1543.3	1877.2	1903.7	1785.4	1589.2	1381.8	1324.8	1309.5
67.5°	915.7	915.7	908.7	924.0	988.0	1001.9	988.0	956.0	936.5	949.1	940.7
70°	794.6	796.0	787.6	783.5	783.5	779.3	784.8	797.4	805.7	822.4	814.1
72.5°	644.3	645.7	645.7	647.1	648.5	642.9	651.3	658.2	659.6	665.2	659.6
75°	457.8	460.6	469.0	475.9	481.5	481.5	484.3	485.7	480.1	487.1	475.9
77.5°	251.9	254.7	270.0	282.5	295.0	296.4	300.6	303.4	300.6	306.1	297.8
80°	139.2	141.9	148.9	154.5	164.2	172.6	178.1	180.9	180.9	185.1	180.9
82.5°	79.3	82.1	86.3	89.1	97.4	104.4	109.9	114.1	114.1	115.5	112.7
85°	37.6	37.6	40.4	43.1	47.3	50.1	57.1	61.2	61.2	64.0	61.2
87.5°	5.6	7.0	8.3	8.3	11.1	13.9	16.7	18.1	20.9	22.3	22.3
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)