

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: P637743

Luminaire Tested: GWS-SA4D-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637743  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

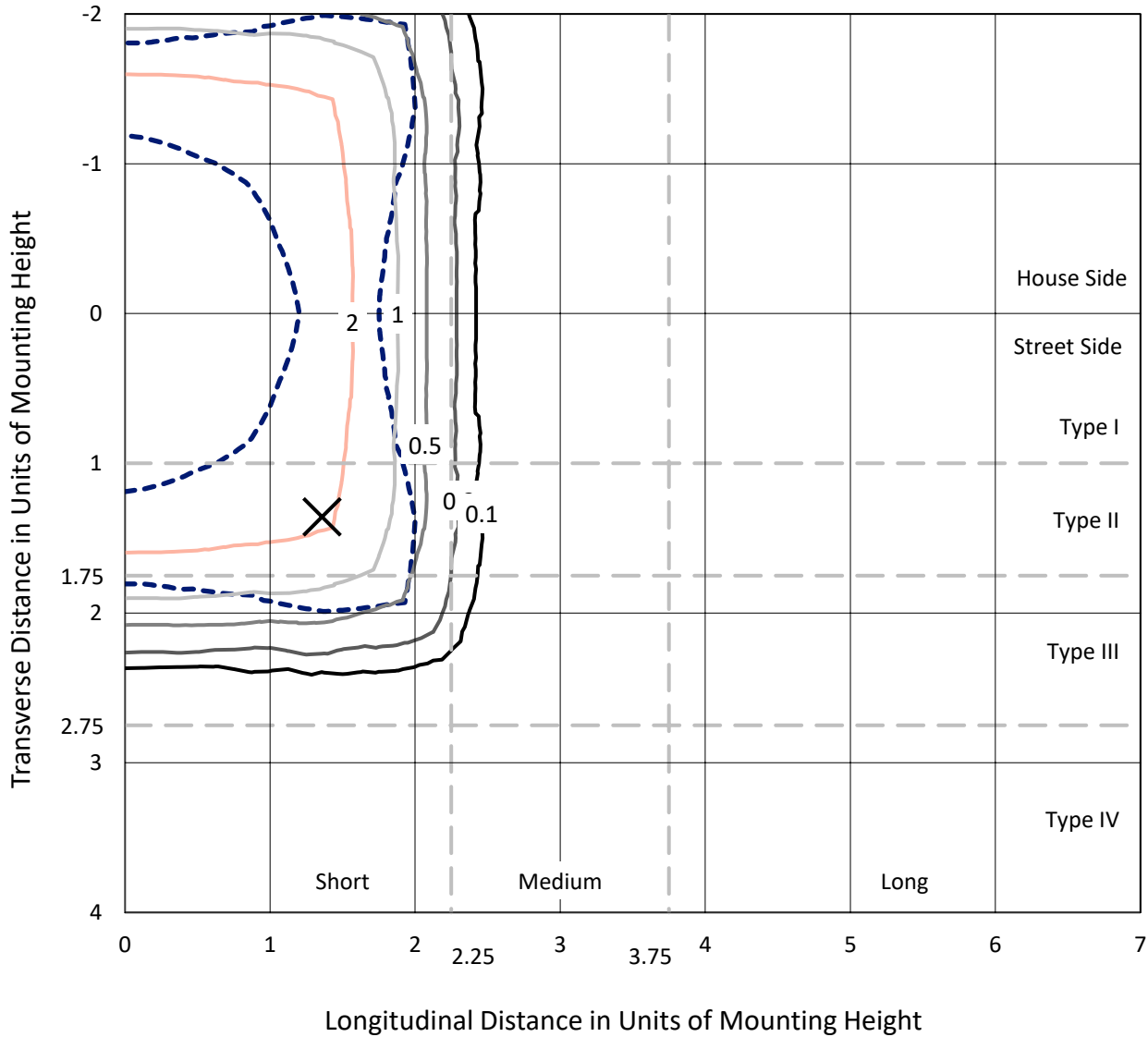
Lumens per Lamp: N/A  
Luminaire Lumens: 25595.8 lumens  
Efficiency: N/A  
Efficacy: 157.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

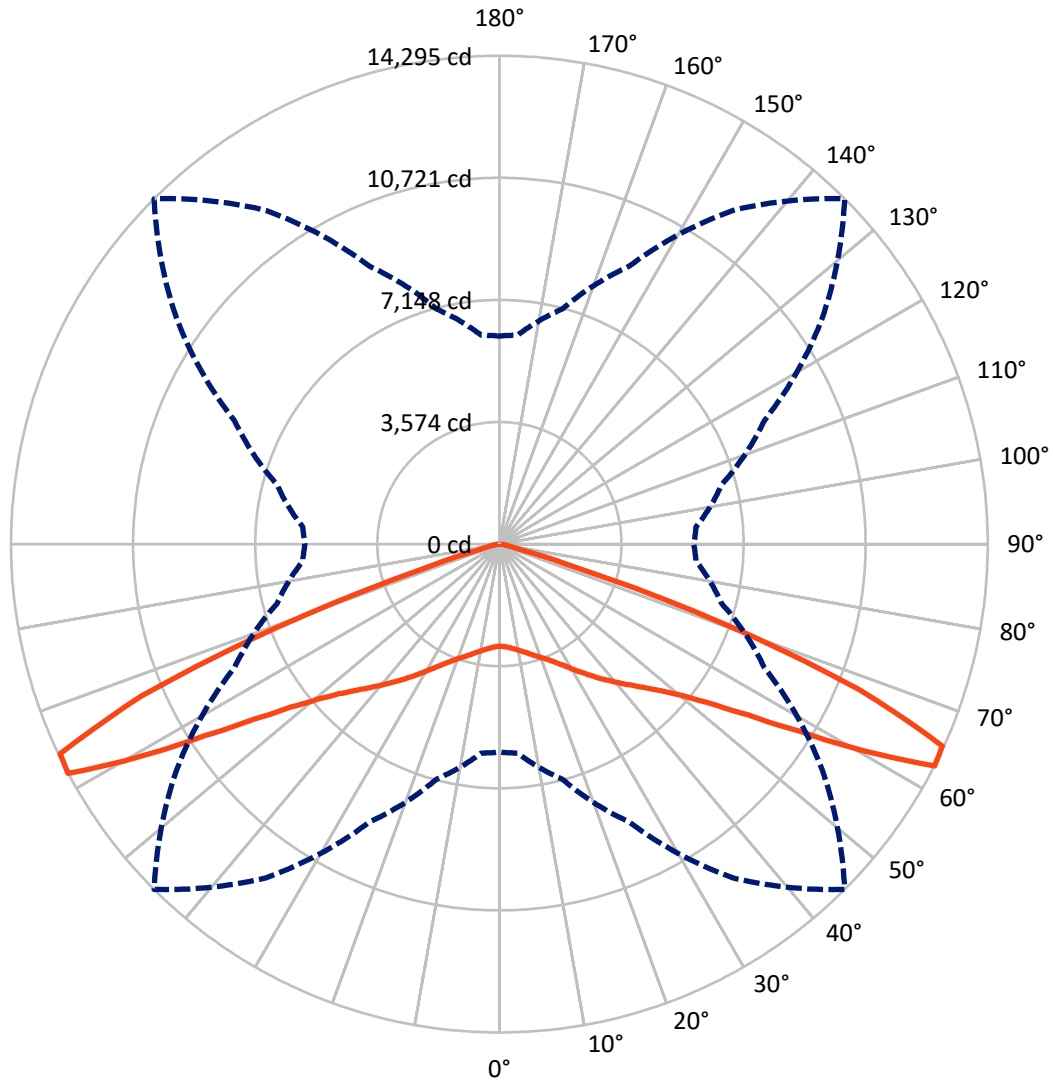
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12797.9	0.0	12797.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12797.9	0.0	12797.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25595.8	0.0	25595.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.0	1.1
10°-20°	944.8	3.7
20°-30°	1787.4	7.0
30°-40°	3008.5	11.8
40°-50°	4806.8	18.8
50°-60°	7748.2	30.3
60°-70°	6321.7	24.7
70°-80°	613.9	2.4
80°-90°	71.4	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°	25595.8	100.0
0°-180°	25595.8	100.0

**Coefficient of Utilization**



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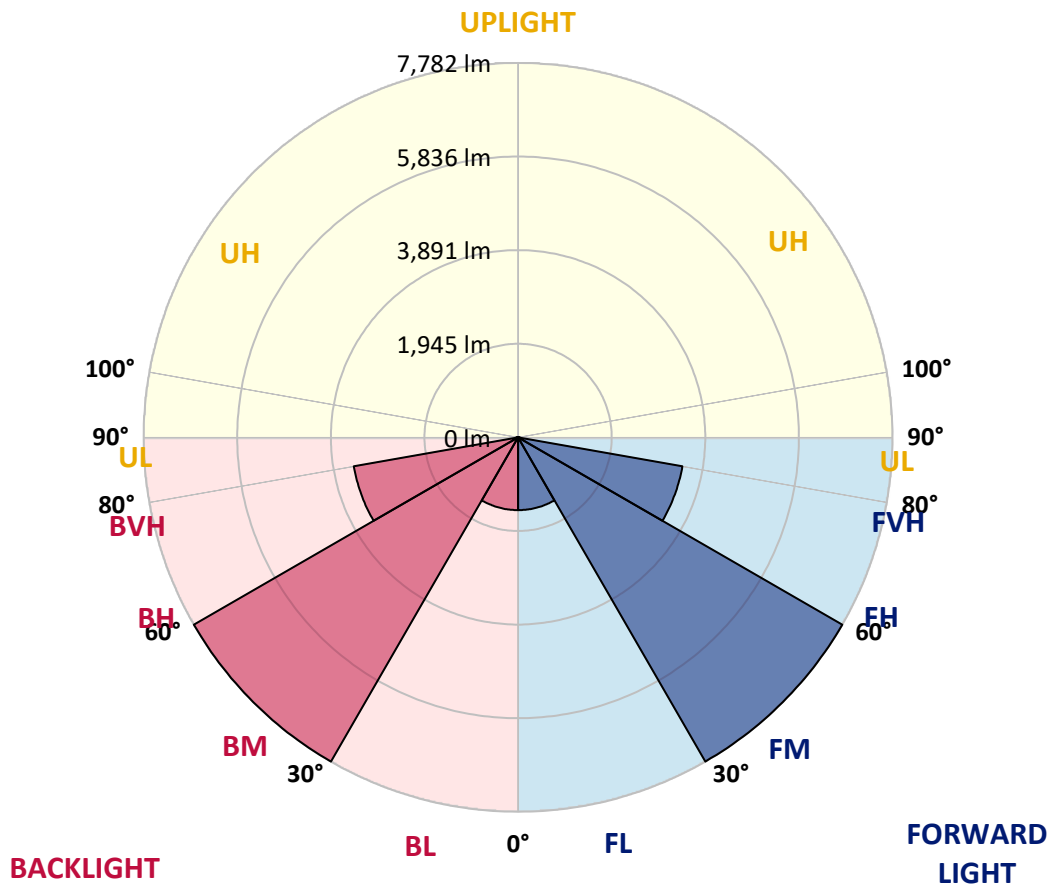
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.6	5.9			
FM (30°-60°)	7781.8	30.4			
FH (60°-80°)	3467.8	13.5			G2/5000
FVH (80°-90°)	35.7	0.1			G1/100
BL (0°-30°)	1512.6	5.9	B3/2500		
BM (30°-60°)	7781.8	30.4	B4/8500		
BH (60°-80°)	3467.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1	2986.1
2.5°	2982.6	2982.6	2989.6	2994.9	2991.4	3005.4	3003.7	3000.1	2998.4	2993.1	3008.9
5°	3023.0	3023.0	3028.2	3033.5	3024.7	3042.3	3035.2	3031.7	3030.0	3023.0	3037.0
7.5°	3068.6	3073.9	3075.6	3084.4	3079.1	3098.4	3093.2	3086.2	3082.6	3073.9	3086.2
10°	3119.5	3123.0	3124.8	3140.6	3142.3	3165.2	3159.9	3151.1	3144.1	3135.3	3152.9
12.5°	3188.0	3189.7	3195.0	3214.3	3219.6	3237.1	3235.4	3223.1	3214.3	3202.0	3221.3
15°	3275.8	3277.5	3286.3	3305.6	3314.4	3335.4	3328.4	3309.1	3296.8	3282.8	3298.6
17.5°	3367.0	3374.1	3382.8	3402.1	3414.4	3439.0	3430.2	3409.2	3398.6	3384.6	3395.1
20°	3484.7	3486.4	3491.7	3512.7	3521.5	3549.6	3551.4	3530.3	3525.0	3511.0	3526.8
22.5°	3614.6	3616.3	3621.6	3644.4	3660.2	3677.8	3688.3	3676.0	3667.2	3649.7	3669.0
25°	3758.5	3776.1	3781.3	3809.4	3827.0	3837.5	3849.8	3844.5	3832.2	3811.2	3820.0
27.5°	3960.4	3963.9	3972.7	4004.3	4014.8	4025.3	4037.6	4039.4	4021.8	3997.3	4009.5
30°	4190.4	4188.6	4207.9	4232.5	4241.3	4250.1	4267.6	4278.1	4255.3	4229.0	4241.3
32.5°	4425.6	4446.7	4471.2	4494.1	4488.8	4492.3	4520.4	4539.7	4508.1	4460.7	4471.2
35°	4690.7	4704.7	4736.3	4769.7	4762.7	4757.4	4774.9	4794.3	4750.4	4688.9	4704.7
37.5°	4962.8	4983.8	5031.2	5071.6	5061.1	5036.5	5055.8	5076.9	5034.8	4964.5	4957.5
40°	5266.5	5299.8	5368.3	5401.7	5373.6	5326.2	5359.5	5410.4	5368.3	5287.5	5268.2
42.5°	5622.8	5663.2	5731.7	5782.6	5721.2	5643.9	5700.1	5773.8	5763.3	5656.2	5622.8
45°	6063.5	6089.8	6174.1	6198.6	6107.4	6000.3	6102.1	6214.4	6188.1	6072.3	6028.4
47.5°	6542.7	6583.1	6656.8	6702.5	6555.0	6421.6	6563.8	6714.8	6686.7	6577.8	6526.9
50°	7153.6	7206.3	7302.9	7341.5	7137.8	6985.1	7167.7	7359.0	7304.6	7158.9	7092.2
52.5°	7819.0	7861.1	8026.1	8103.4	7912.0	7747.0	7906.7	8094.6	7978.7	7785.6	7696.1
55°	8405.3	8447.4	8689.7	8946.0	8937.2	8823.1	8903.9	8907.4	8593.1	8273.6	8178.8
57.5°	8531.7	8573.8	9035.5	9706.1	10180.1	10311.8	10074.8	9576.2	8784.5	8224.5	8117.4
60°	7857.6	7905.0	8638.8	9864.1	11423.0	12302.5	11210.6	9562.2	8192.9	7434.5	7332.7
62.5°	6088.1	6139.0	7125.5	8965.3	11925.1	14295.0	11540.6	8556.3	6739.3	5779.1	5689.6
65°	2907.1	2907.1	4160.5	6430.4	10924.4	14247.6	10585.6	6330.3	4056.9	3116.0	3038.8
67.5°	719.8	723.3	1070.9	2503.3	7431.0	11370.3	7552.1	3038.8	1429.0	1011.2	984.8
70°	449.4	447.7	496.8	677.6	2599.9	6900.8	3087.9	916.4	581.1	512.6	509.1
72.5°	349.3	349.3	373.9	433.6	681.1	2350.6	900.6	509.1	421.3	379.2	379.2
75°	275.6	275.6	293.2	324.8	402.0	605.6	479.2	377.4	326.5	298.4	294.9
77.5°	205.4	208.9	222.9	244.0	273.9	340.6	303.7	284.4	254.5	233.5	226.5
80°	133.4	138.7	156.2	168.5	179.1	224.7	198.4	207.1	193.1	168.5	165.0
82.5°	72.0	73.7	94.8	98.3	101.8	122.9	126.4	131.7	136.9	107.1	100.1
85°	26.3	26.3	31.6	36.9	40.4	43.9	59.7	73.7	77.2	61.4	59.7
87.5°	5.3	5.3	5.3	3.5	3.5	3.5	10.5	19.3	31.6	24.6	24.6
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)