

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: P637796

Luminaire Tested: GWS-SA4D-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-750-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

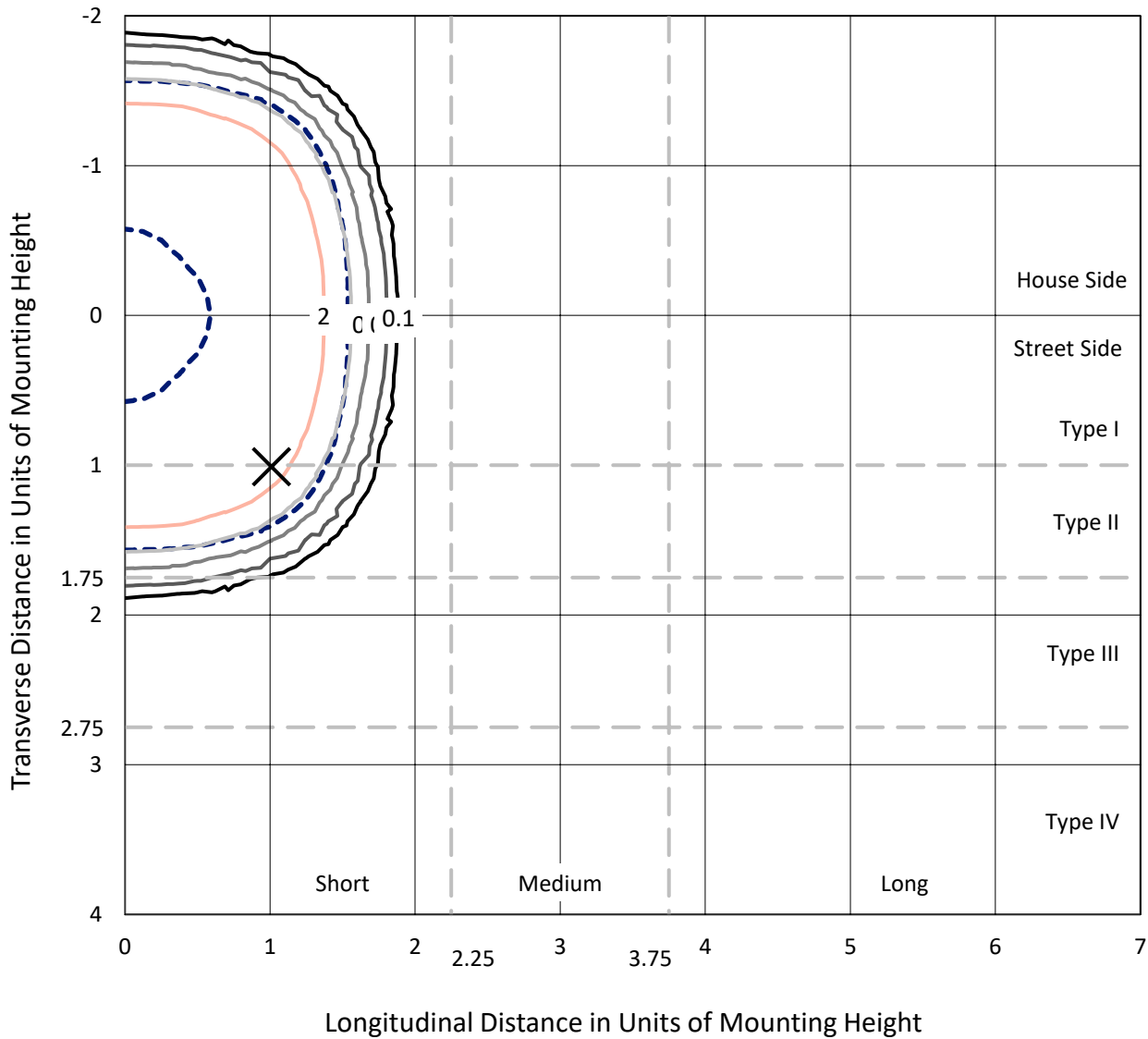
Lumens per Lamp: N/A  
Luminaire Lumens: 17627.3 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

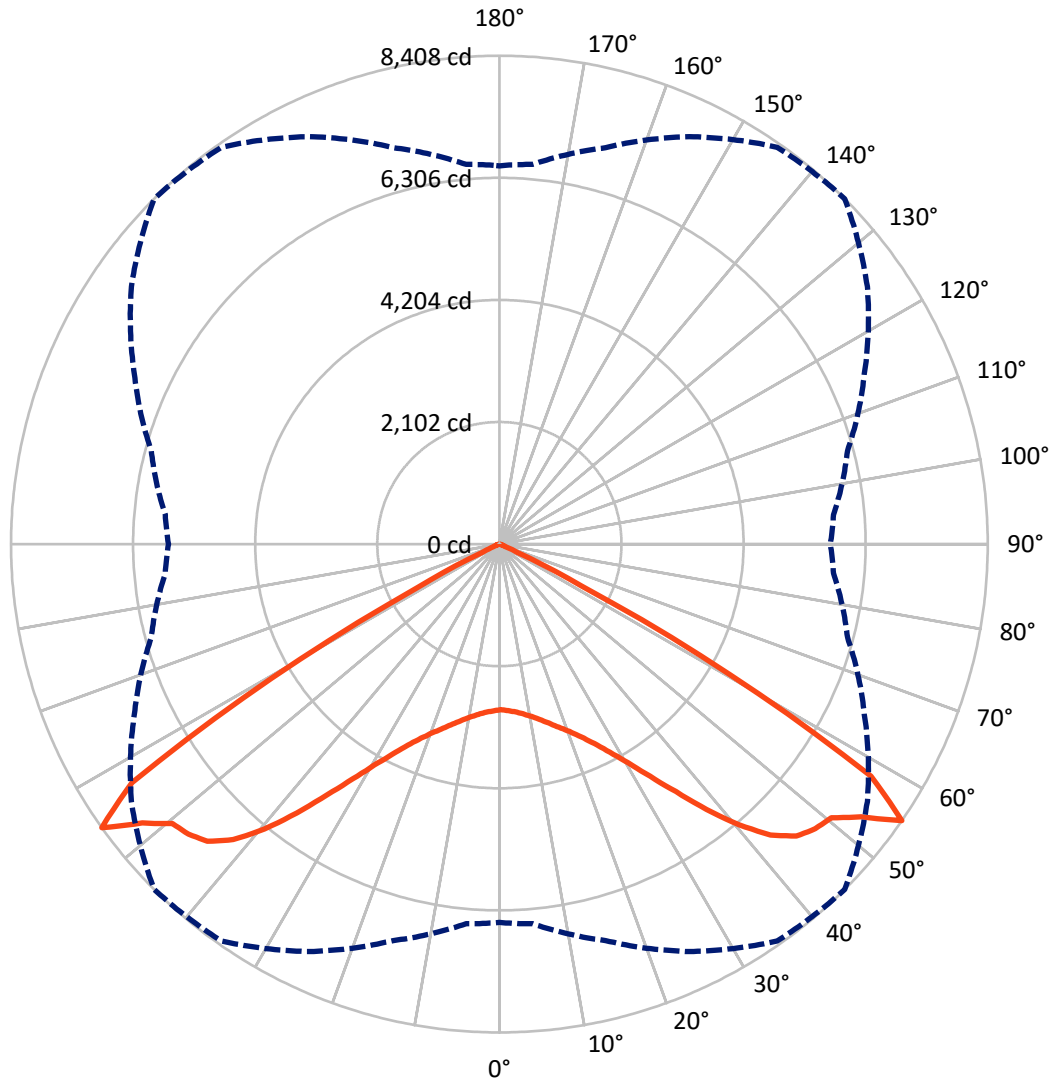
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8813.7	0.0	8813.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8813.7	0.0	8813.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17627.3	0.0	17627.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.2	1.6
10°-20°	905.1	5.1
20°-30°	1753.0	9.9
30°-40°	3140.5	17.8
40°-50°	5265.3	29.9
50°-60°	5636.3	32.0
60°-70°	619.3	3.5
70°-80°	27.3	0.2
80°-90°	1.3	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°	17627.3	100.0
0°-180°	17627.3	100.0

**Coefficient of Utilization**



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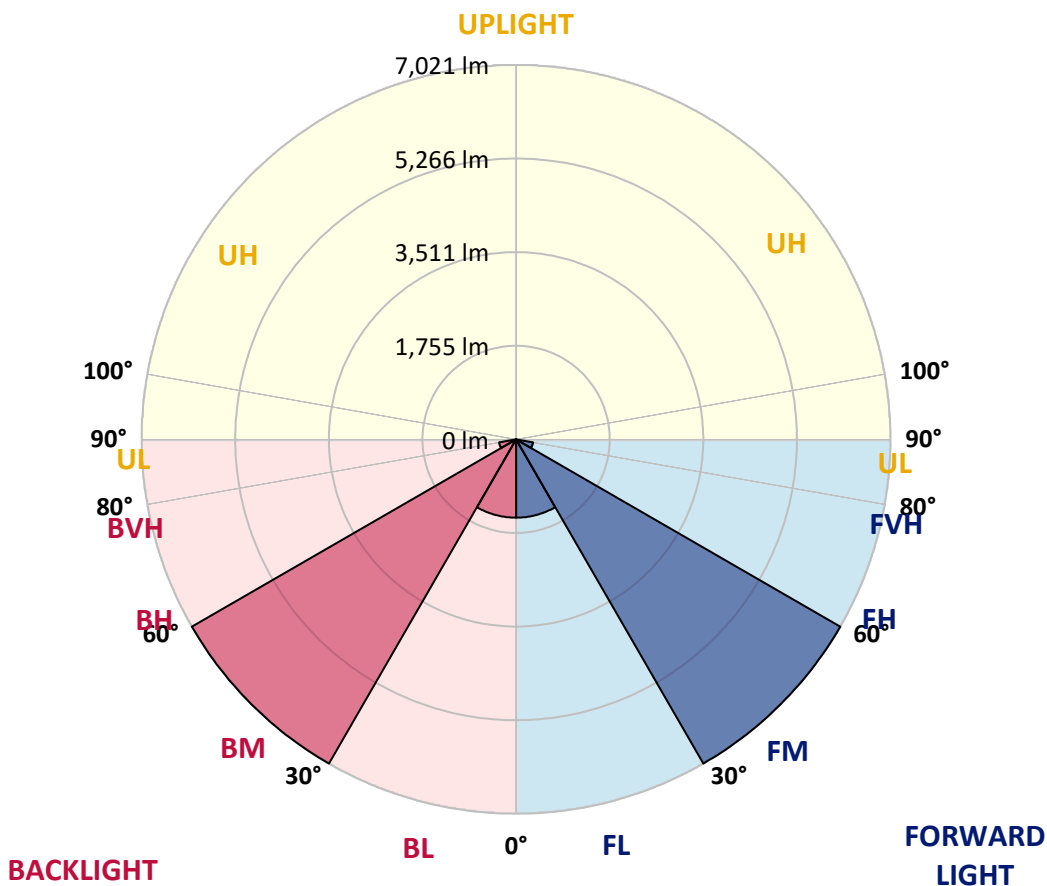
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1468.7	8.3			
FM (30°-60°)	7021.0	39.8			
FH (60°-80°)	323.3	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1468.7	8.3	B3/2500		
BM (30°-60°)	7021.0	39.8	B4/8500		
BH (60°-80°)	323.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.6	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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0	2850.0
2.5°	2844.6	2844.6	2851.8	2857.2	2857.2	2871.5	2866.2	2860.8	2860.8	2853.6	2868.0
5°	2885.9	2884.1	2891.3	2894.9	2887.7	2902.1	2893.1	2887.7	2884.1	2876.9	2891.3
7.5°	2930.8	2932.6	2934.4	2941.6	2938.0	2952.4	2945.2	2934.4	2930.8	2920.0	2934.4
10°	2984.7	2984.7	2988.3	2997.3	2999.0	3017.0	3009.8	2997.3	2986.5	2975.7	2990.1
12.5°	3052.9	3054.7	3060.1	3072.7	3079.9	3099.6	3088.8	3063.7	3047.5	3035.0	3051.1
15°	3151.7	3149.9	3157.1	3175.0	3184.0	3198.4	3182.2	3148.1	3128.3	3114.0	3124.8
17.5°	3259.4	3259.4	3263.0	3281.0	3293.6	3315.1	3295.4	3254.1	3236.1	3216.3	3227.1
20°	3378.0	3383.4	3387.0	3399.5	3421.1	3442.6	3426.5	3385.2	3365.4	3340.3	3352.8
22.5°	3534.2	3528.8	3530.6	3552.2	3582.7	3604.2	3591.7	3543.2	3509.1	3489.3	3496.5
25°	3708.4	3706.6	3712.0	3744.3	3778.4	3801.8	3783.8	3721.0	3686.9	3652.7	3667.1
27.5°	3922.1	3923.9	3927.5	3967.0	4020.9	4055.0	4010.1	3947.3	3900.6	3855.7	3866.4
30°	4175.3	4171.7	4182.5	4236.4	4315.4	4369.3	4317.2	4229.2	4162.8	4119.7	4125.0
32.5°	4444.7	4448.3	4477.0	4563.2	4667.4	4762.6	4656.6	4539.9	4453.7	4372.9	4383.6
35°	4735.6	4744.6	4809.3	4936.8	5107.4	5234.9	5087.6	4895.5	4773.3	4669.2	4672.8
37.5°	5078.6	5100.2	5190.0	5380.3	5624.6	5795.2	5579.7	5324.7	5166.6	5037.3	5028.3
40°	5529.4	5554.5	5676.6	5902.9	6199.2	6355.5	6105.8	5843.7	5647.9	5507.8	5486.3
42.5°	6046.6	6078.9	6211.8	6443.5	6739.8	6845.7	6601.5	6380.6	6204.6	6039.4	6032.2
45°	6630.2	6648.2	6755.9	6933.7	7147.4	7172.6	6989.4	6867.3	6689.5	6535.1	6522.5
47.5°	7178.0	7195.9	7269.6	7361.1	7411.4	7321.6	7289.3	7235.4	7005.6	6815.2	6775.7
50°	7594.6	7609.0	7700.6	7736.5	7596.4	7406.0	7468.9	7354.0	7104.3	6890.6	6829.6
52.5°	7565.9	7601.8	7837.0	8041.8	7953.8	7799.3	7630.5	7382.7	6994.8	6702.1	6626.6
55°	6513.5	6562.0	7066.6	7740.1	8341.7	8408.1	7732.9	6933.7	6204.6	5775.4	5698.2
57.5°	4186.1	4198.7	4814.6	5759.3	7115.1	7542.5	6412.9	5227.7	4320.8	3848.5	3816.2
60°	1539.0	1513.9	1979.0	2762.0	4098.1	4550.7	3774.9	2643.5	1885.6	1551.6	1524.7
62.5°	369.9	373.5	463.3	695.0	1285.8	1591.1	1257.1	702.2	447.2	375.3	371.7
65°	186.8	183.2	185.0	199.3	274.8	328.6	269.4	190.4	183.2	185.0	183.2
67.5°	120.3	118.5	122.1	123.9	122.1	114.9	113.1	116.7	116.7	118.5	114.9
70°	73.6	71.8	75.4	80.8	77.2	68.2	71.8	75.4	71.8	70.0	70.0
72.5°	39.5	39.5	43.1	46.7	43.1	39.5	39.5	41.3	39.5	39.5	39.5
75°	18.0	18.0	19.8	21.6	18.0	18.0	18.0	18.0	18.0	18.0	18.0
77.5°	5.4	5.4	7.2	7.2	5.4	5.4	5.4	5.4	7.2	7.2	7.2
80°	1.8	3.6	3.6	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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)