

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: P637793

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637793  
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-SA4D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15305.4 lumens  
Efficiency: N/A  
Efficacy: 94.4 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): 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

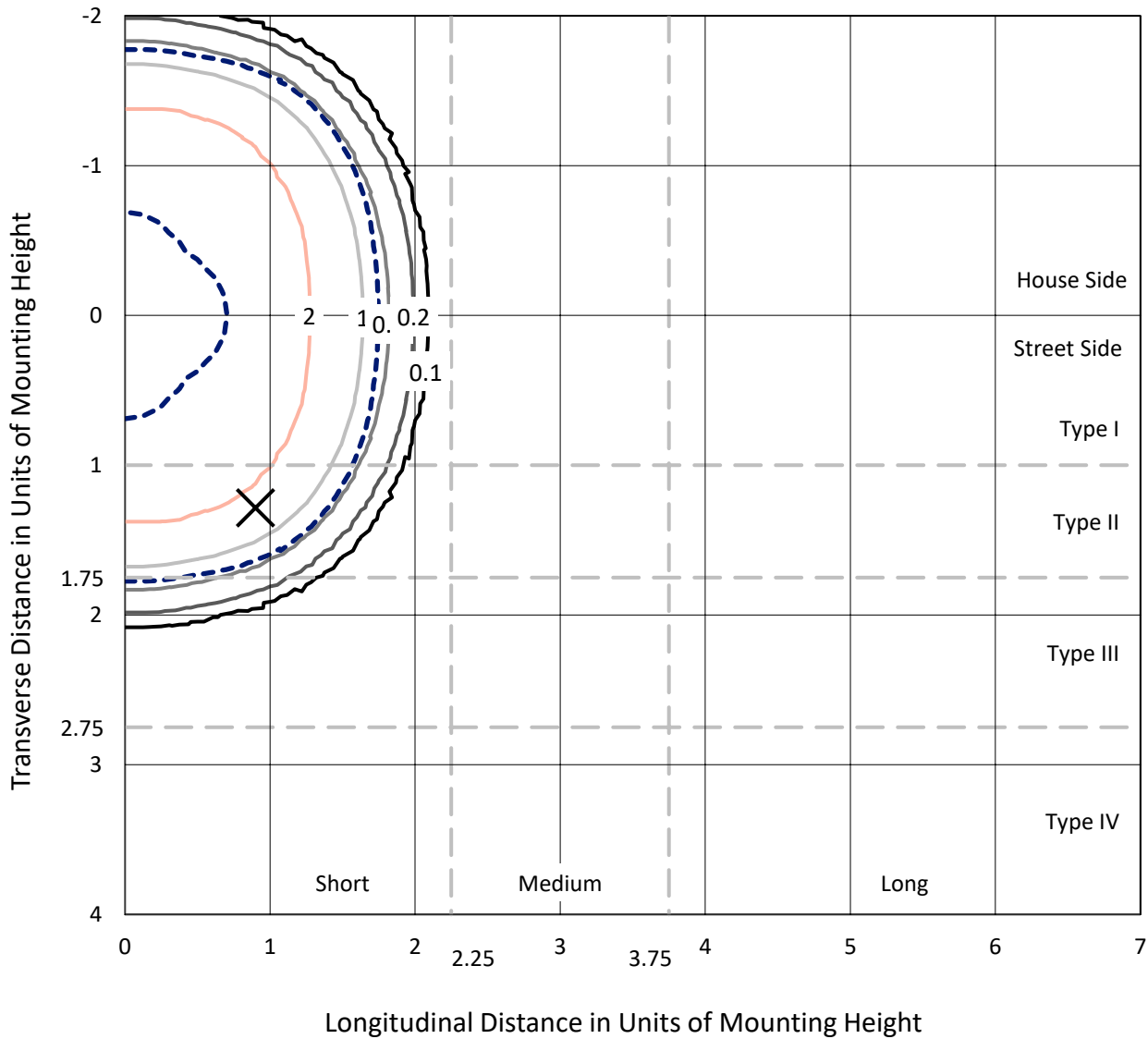


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### Iso-Footcandle Lines of Horizontal Illumination

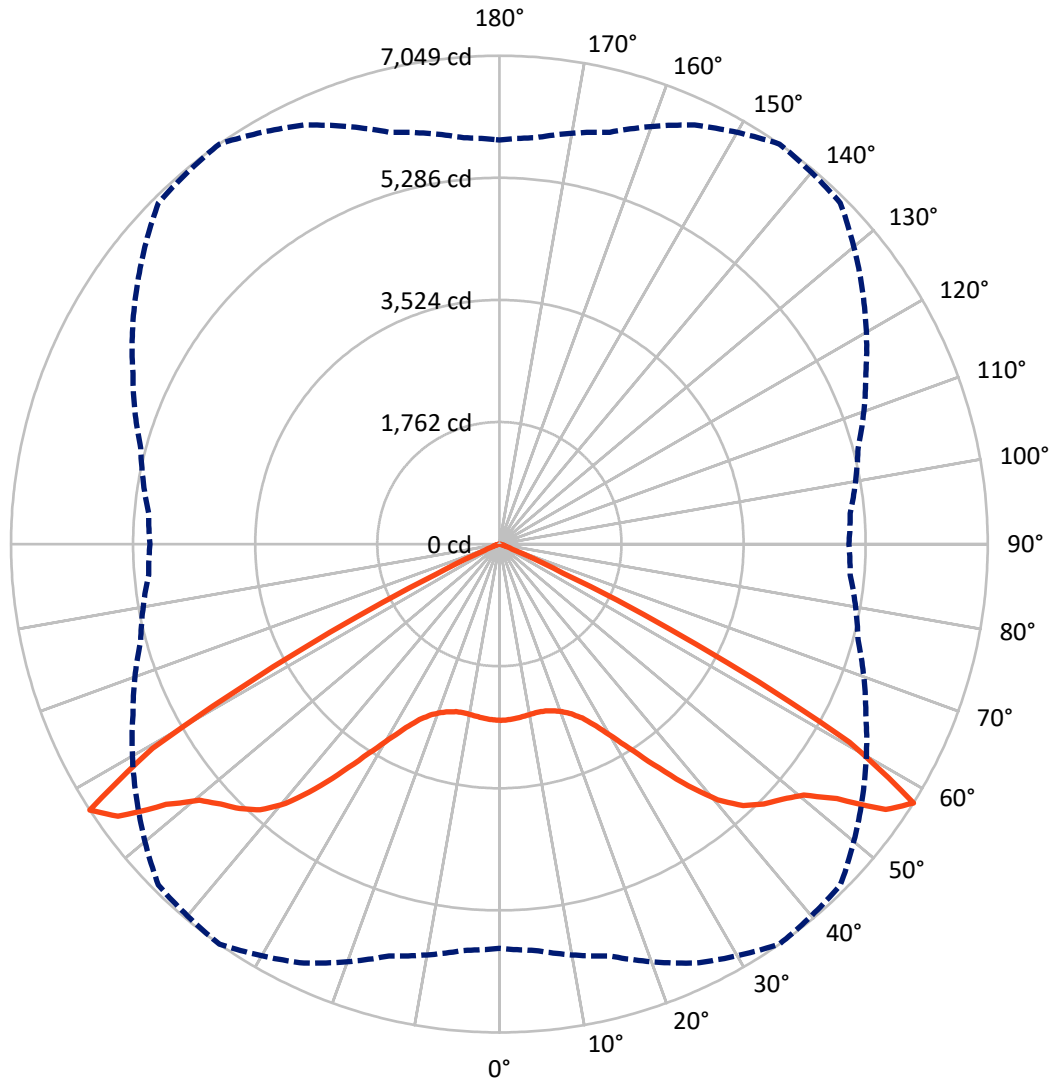
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	7652.7	0.0	7652.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7652.7	0.0	7652.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15305.4	0.0	15305.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.7	1.6
10°-20°	705.2	4.6
20°-30°	1274.7	8.3
30°-40°	2378.2	15.5
40°-50°	3989.4	26.1
50°-60°	5268.4	34.4
60°-70°	1399.2	9.1
70°-80°	49.7	0.3
80°-90°	0.9	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°	15305.4	100.0
0°-180°	15305.4	100.0

**Coefficient of Utilization**



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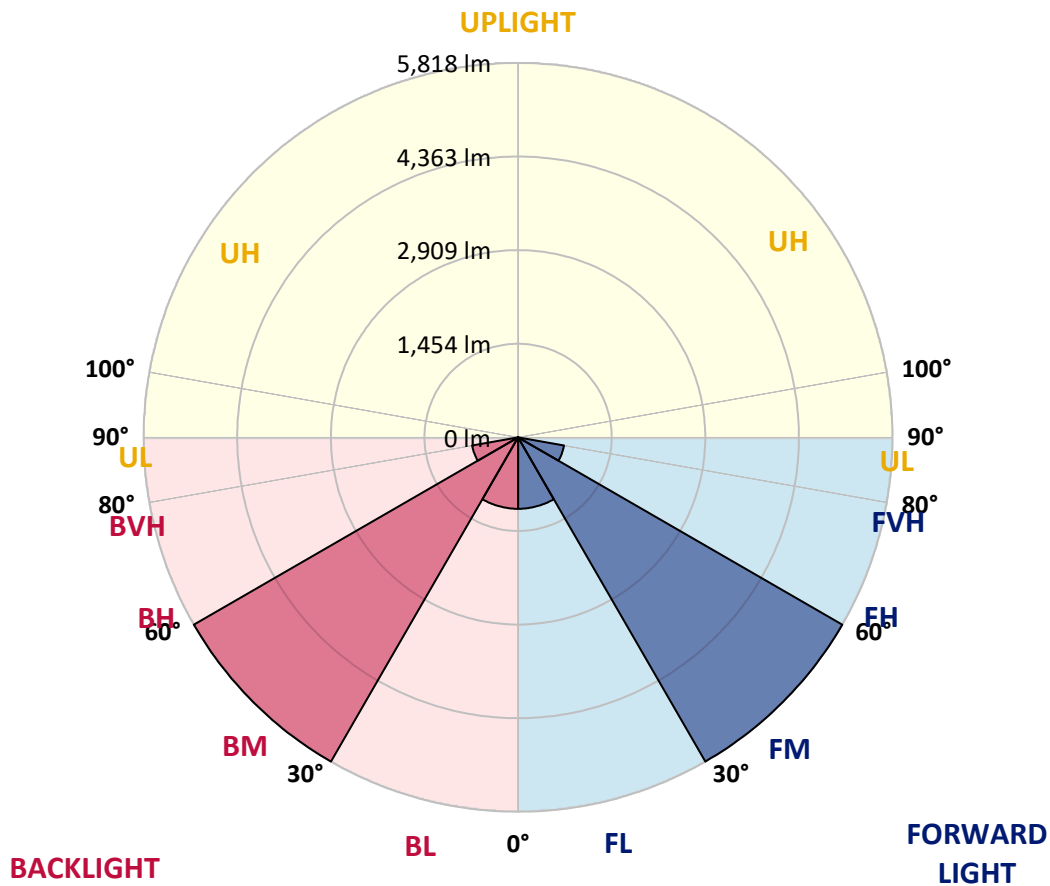
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1109.9	7.3			
FM (30°-60°)	5818.0	38.0			
FH (60°-80°)	724.4	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1109.9	7.3	B3/2500		
BM (30°-60°)	5818.0	38.0	B4/8500		
BH (60°-80°)	724.4	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7	2544.7
2.5°	2526.7	2524.9	2532.1	2537.5	2537.5	2550.0	2546.5	2542.9	2539.3	2533.9	2546.5
5°	2523.1	2521.3	2526.7	2530.3	2526.7	2537.5	2530.3	2523.1	2519.5	2512.3	2526.7
7.5°	2506.9	2508.7	2512.3	2515.9	2510.5	2519.5	2510.5	2499.8	2490.8	2483.6	2496.2
10°	2481.8	2483.6	2487.2	2494.4	2496.2	2508.7	2496.2	2476.4	2463.8	2453.1	2465.6
12.5°	2469.2	2471.0	2476.4	2485.4	2487.2	2503.4	2487.2	2458.5	2440.5	2427.9	2440.5
15°	2472.8	2476.4	2483.6	2494.4	2498.0	2514.1	2492.6	2454.9	2429.7	2413.6	2424.3
17.5°	2485.4	2489.0	2499.8	2517.7	2530.3	2546.5	2519.5	2471.0	2436.9	2413.6	2424.3
20°	2501.6	2506.9	2524.9	2553.6	2580.6	2609.3	2575.2	2508.7	2463.8	2435.1	2444.1
22.5°	2546.5	2551.8	2577.0	2614.7	2659.6	2695.5	2654.2	2569.8	2508.7	2471.0	2480.0
25°	2638.0	2643.4	2675.8	2724.2	2781.7	2828.4	2776.3	2670.4	2591.4	2548.3	2551.8
27.5°	2781.7	2787.1	2824.8	2893.0	2970.3	3036.7	2961.3	2837.4	2747.6	2697.3	2697.3
30°	2963.1	2970.3	3020.5	3112.1	3232.5	3320.4	3218.1	3067.2	2952.3	2884.1	2885.9
32.5°	3196.5	3189.4	3261.2	3386.9	3557.5	3674.2	3523.4	3340.2	3198.3	3103.2	3112.1
35°	3496.4	3494.6	3575.5	3746.1	3968.7	4108.8	3929.2	3692.2	3521.6	3424.6	3426.4
37.5°	3882.5	3880.7	3974.1	4159.1	4426.7	4543.4	4342.3	4101.6	3918.5	3825.1	3835.8
40°	4335.1	4324.3	4406.9	4584.7	4852.3	4927.7	4708.6	4514.7	4338.7	4279.4	4308.1
42.5°	4766.1	4742.7	4791.2	4952.8	5159.4	5170.1	5004.9	4872.0	4751.7	4705.0	4723.0
45°	5112.7	5094.7	5139.6	5233.0	5351.5	5297.6	5218.6	5177.3	5080.3	5030.1	5046.2
47.5°	5371.3	5371.3	5425.1	5482.6	5500.6	5401.8	5414.4	5414.4	5317.4	5238.4	5218.6
50°	5593.9	5610.1	5690.9	5750.2	5690.9	5565.2	5637.0	5622.7	5425.1	5267.1	5225.8
52.5°	5949.5	5965.7	6089.6	6170.4	6104.0	5980.0	5989.0	5809.4	5518.5	5331.8	5267.1
55°	6326.6	6366.1	6545.7	6761.2	6763.0	6635.5	6398.5	6080.6	5726.8	5523.9	5457.5
57.5°	5832.8	5886.7	6154.2	6673.2	7048.5	6960.6	6394.9	5836.4	5358.7	5082.1	5044.4
60°	4013.6	4107.0	4374.6	5083.9	5807.6	5841.8	5173.7	4547.0	3999.3	3658.1	3665.2
62.5°	1695.2	1790.4	1941.3	2524.9	3189.4	3230.7	2907.4	2458.5	2011.3	1765.3	1803.0
65°	398.7	425.6	470.5	698.6	1012.8	1059.5	976.9	761.4	562.1	475.9	484.9
67.5°	174.2	177.8	168.8	179.6	222.7	228.1	220.9	193.9	183.2	186.8	186.8
70°	122.1	123.9	116.7	111.3	106.0	98.8	102.4	113.1	122.1	129.3	127.5
72.5°	75.4	77.2	79.0	79.0	73.6	66.4	70.0	77.2	79.0	80.8	79.0
75°	37.7	39.5	43.1	44.9	43.1	41.3	41.3	43.1	43.1	41.3	41.3
77.5°	7.2	9.0	12.6	14.4	14.4	14.4	14.4	14.4	16.2	14.4	14.4
80°	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
82.5°	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)