

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: P635319

Luminaire Tested: GWS-SA3D-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635319  
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-SA3D-750-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

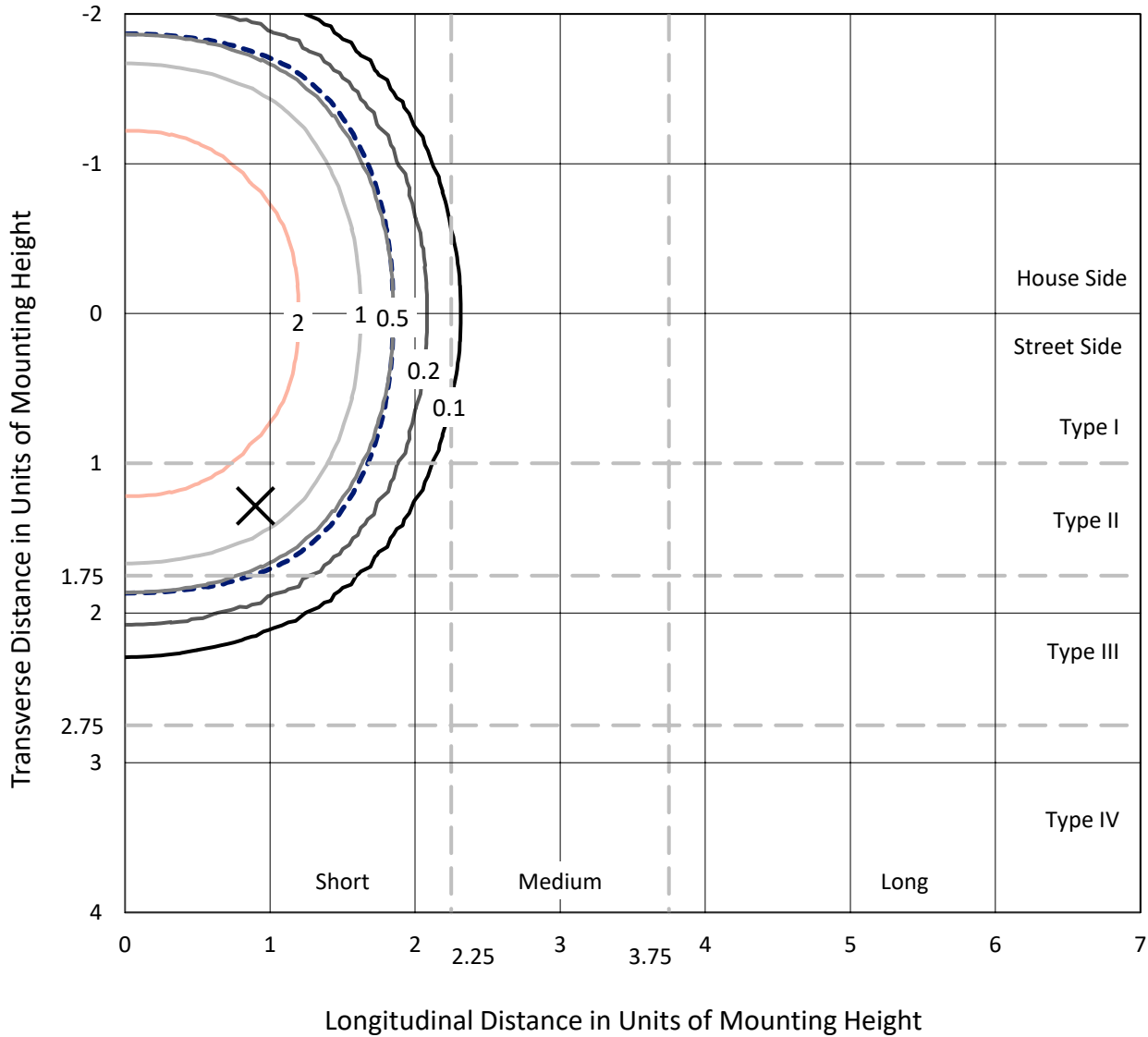
Lumens per Lamp: N/A  
Luminaire Lumens: 15761.8 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

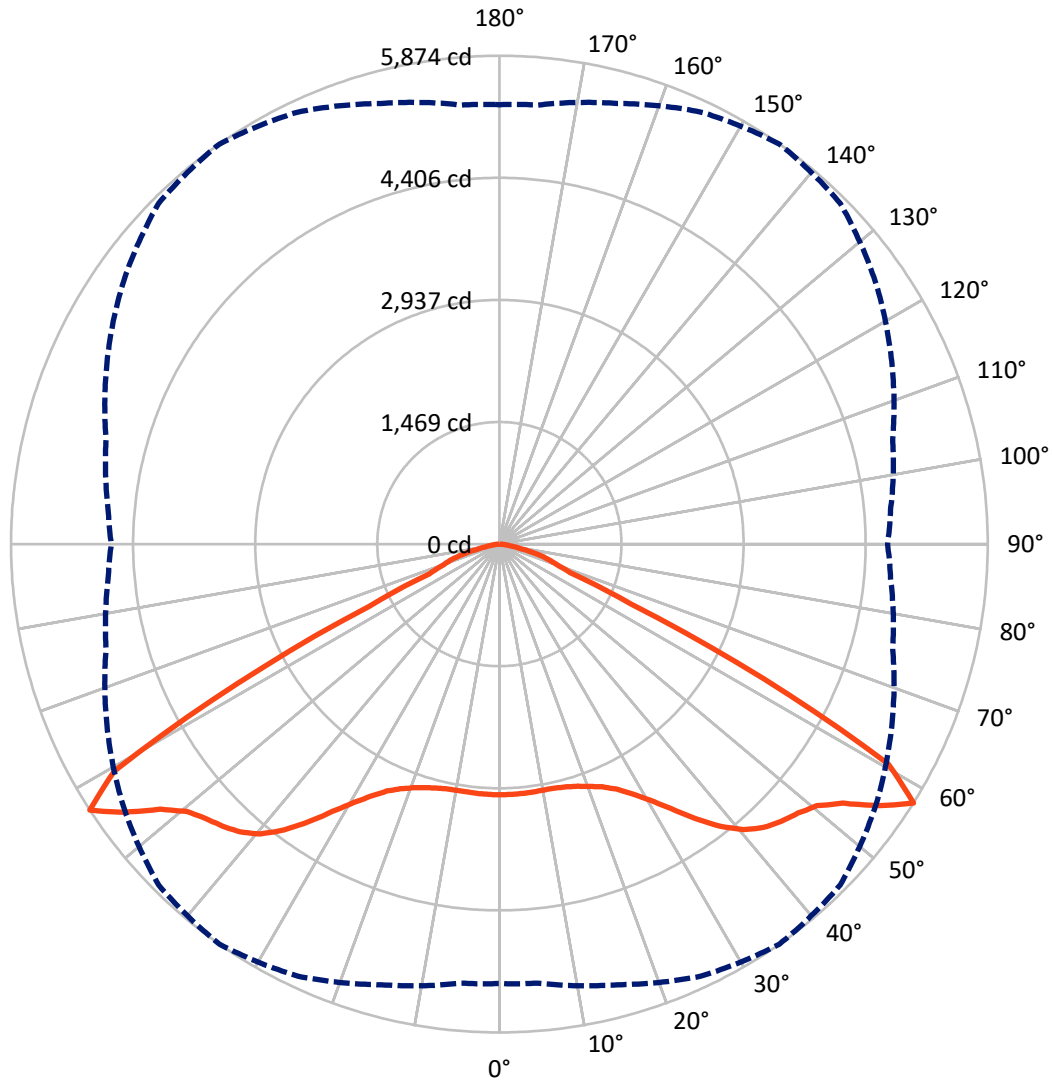
✕ Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7880.9	0.0	7880.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7880.9	0.0	7880.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15761.8	0.0	15761.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.9	1.8
10°-20°	856.0	5.4
20°-30°	1493.5	9.5
30°-40°	2449.1	15.5
40°-50°	3606.9	22.9
50°-60°	4603.0	29.2
60°-70°	1939.9	12.3
70°-80°	463.4	2.9
80°-90°	63.1	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°	15761.8	100.0
0°-180°	15761.8	100.0

**Coefficient of Utilization**



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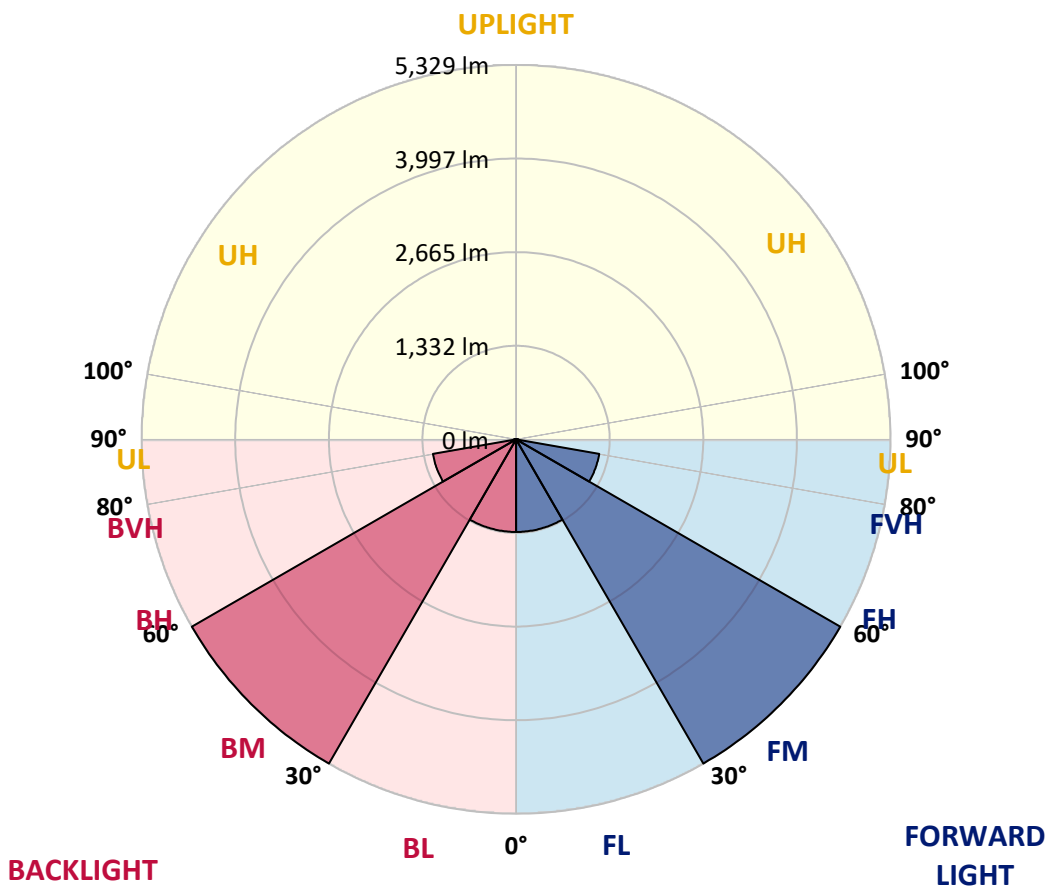
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.2	8.4			
FM (30°-60°)	5329.5	33.8			
FH (60°-80°)	1201.7	7.6			G1/1800
FVH (80°-90°)	31.5	0.2			G1/100
BL (0°-30°)	1318.2	8.4	B3/2500		
BM (30°-60°)	5329.5	33.8	B4/8500		
BH (60°-80°)	1201.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	31.5	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°	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8
2.5°	2997.8	2997.8	3004.2	3010.7	3013.3	3024.9	3023.6	3019.7	3017.1	3009.4	3019.7
5°	3004.2	3004.2	3009.4	3013.3	3012.0	3021.0	3017.1	3010.7	3006.8	2999.1	3010.7
7.5°	3002.9	3002.9	3006.8	3010.7	3008.1	3015.8	3009.4	3000.4	2993.9	2986.2	2996.5
10°	2986.2	2988.7	2992.6	3001.6	3005.5	3017.1	3008.1	2993.9	2983.6	2974.5	2984.9
12.5°	2983.6	2986.2	2991.3	3002.9	3009.4	3026.2	3014.5	2991.3	2975.8	2964.2	2974.5
15°	2995.2	2997.8	3005.5	3019.7	3030.0	3048.1	3031.3	2999.1	2977.1	2961.6	2970.7
17.5°	3009.4	3013.3	3024.9	3045.5	3062.3	3081.7	3061.0	3022.3	2991.3	2970.7	2978.4
20°	3024.9	3030.0	3048.1	3079.1	3110.0	3134.6	3108.8	3057.1	3019.7	2992.6	3000.4
22.5°	3052.0	3058.4	3081.7	3125.5	3172.0	3208.1	3175.9	3106.2	3057.1	3022.3	3028.7
25°	3107.5	3115.2	3144.9	3197.8	3263.6	3307.5	3262.3	3183.6	3115.2	3072.6	3079.1
27.5°	3205.5	3209.4	3248.1	3317.8	3399.1	3449.4	3395.2	3302.3	3226.2	3177.1	3182.3
30°	3334.6	3346.2	3384.9	3476.5	3573.3	3640.4	3569.5	3459.8	3372.0	3312.6	3317.8
32.5°	3492.0	3499.8	3557.8	3653.3	3792.7	3870.1	3773.3	3643.0	3537.2	3464.9	3470.1
35°	3698.5	3705.0	3760.4	3881.7	4050.8	4123.1	4012.1	3862.4	3739.8	3671.4	3690.8
37.5°	3945.0	3956.6	3996.6	4116.6	4305.0	4376.0	4248.2	4108.9	3981.1	3917.9	3932.1
40°	4209.5	4208.2	4240.5	4346.3	4518.0	4561.8	4447.0	4336.0	4226.3	4185.0	4208.2
42.5°	4436.7	4430.2	4453.4	4541.2	4659.9	4663.8	4587.6	4525.7	4448.3	4419.9	4441.8
45°	4595.4	4598.0	4632.8	4693.5	4754.1	4721.8	4698.6	4688.3	4627.6	4588.9	4592.8
47.5°	4720.6	4730.9	4786.4	4827.7	4835.4	4781.2	4813.5	4829.0	4778.6	4719.3	4702.5
50°	4831.5	4848.3	4920.6	4964.5	4947.7	4879.3	4942.5	4965.7	4854.8	4741.2	4707.7
52.5°	5032.9	5052.2	5140.0	5196.7	5177.4	5109.0	5168.4	5085.8	4898.6	4759.3	4716.7
55°	5354.2	5363.2	5470.3	5563.2	5554.2	5470.3	5422.6	5239.3	5012.2	4867.7	4827.7
57.5°	5285.8	5301.3	5487.1	5734.9	5874.2	5798.1	5518.1	5205.8	4897.4	4723.1	4668.9
60°	4159.2	4196.6	4427.6	4863.8	5374.8	5373.5	4853.5	4368.3	3996.6	3765.6	3742.4
62.5°	2428.7	2454.5	2664.8	3106.2	3564.3	3592.7	3227.5	2894.5	2569.3	2413.2	2338.3
65°	1149.8	1148.5	1232.4	1431.1	1740.9	1765.4	1655.7	1473.7	1281.4	1228.5	1214.3
67.5°	849.1	849.1	842.7	856.9	916.2	929.1	916.2	886.6	868.5	880.1	872.4
70°	736.9	738.2	730.4	726.5	726.5	722.7	727.8	739.4	747.2	762.7	754.9
72.5°	597.5	598.8	598.8	600.1	601.4	596.2	603.9	610.4	611.7	616.8	611.7
75°	424.6	427.1	434.9	441.3	446.5	446.5	449.1	450.4	445.2	451.7	441.3
77.5°	233.6	236.2	250.4	262.0	273.6	274.9	278.7	281.3	278.7	283.9	276.2
80°	129.0	131.6	138.1	143.2	152.3	160.0	165.2	167.8	167.8	171.6	167.8
82.5°	73.6	76.1	80.0	82.6	90.3	96.8	101.9	105.8	105.8	107.1	104.5
85°	34.8	34.8	37.4	40.0	43.9	46.5	52.9	56.8	56.8	59.4	56.8
87.5°	5.2	6.5	7.7	7.7	10.3	12.9	15.5	16.8	19.4	20.6	20.6
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)