

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: P635818

Luminaire Tested: GWS-SA3E-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635818  
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-SA3E-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

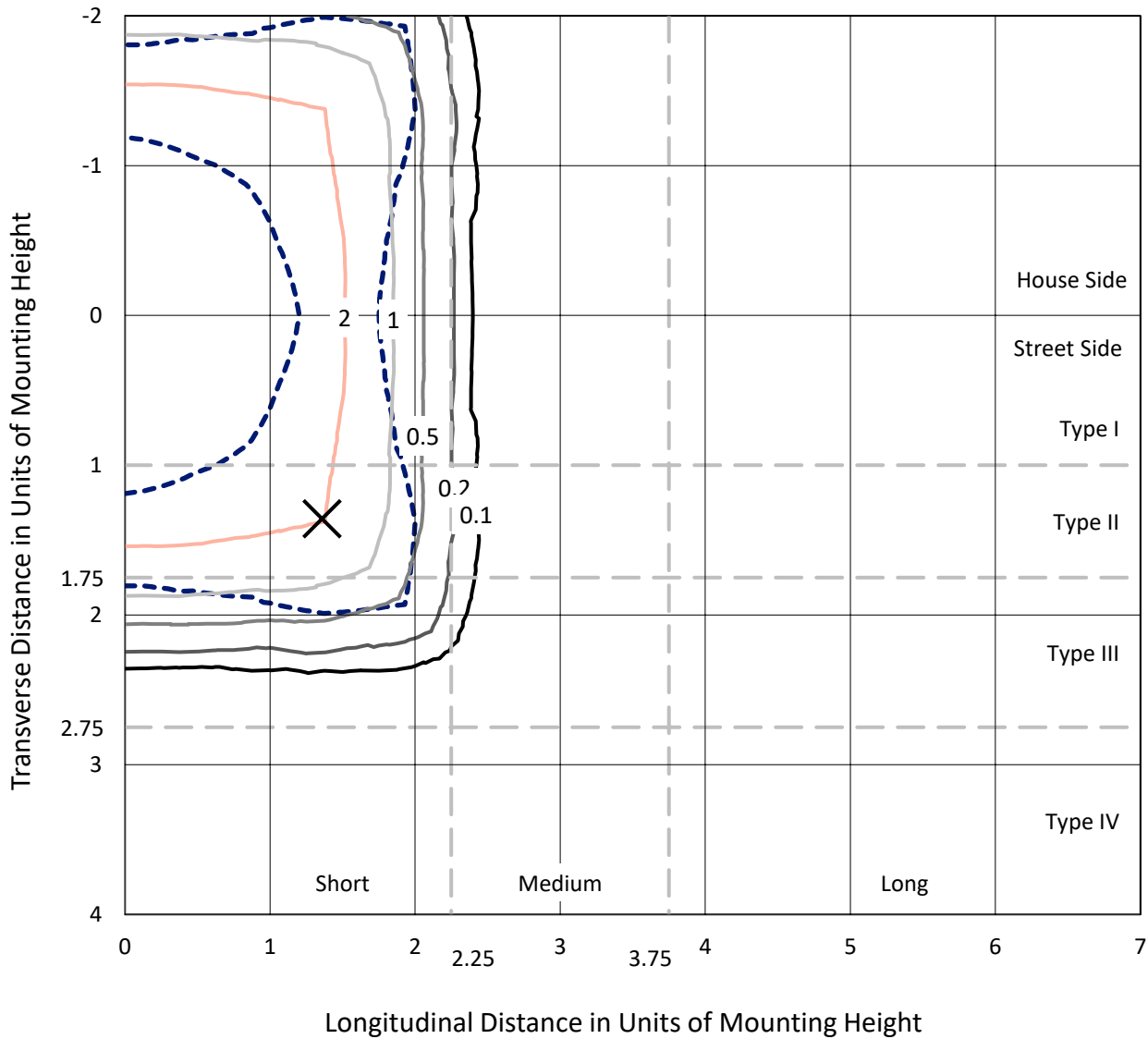
Lumens per Lamp: N/A  
Luminaire Lumens: 23512.2 lumens  
Efficiency: N/A  
Efficacy: 147.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

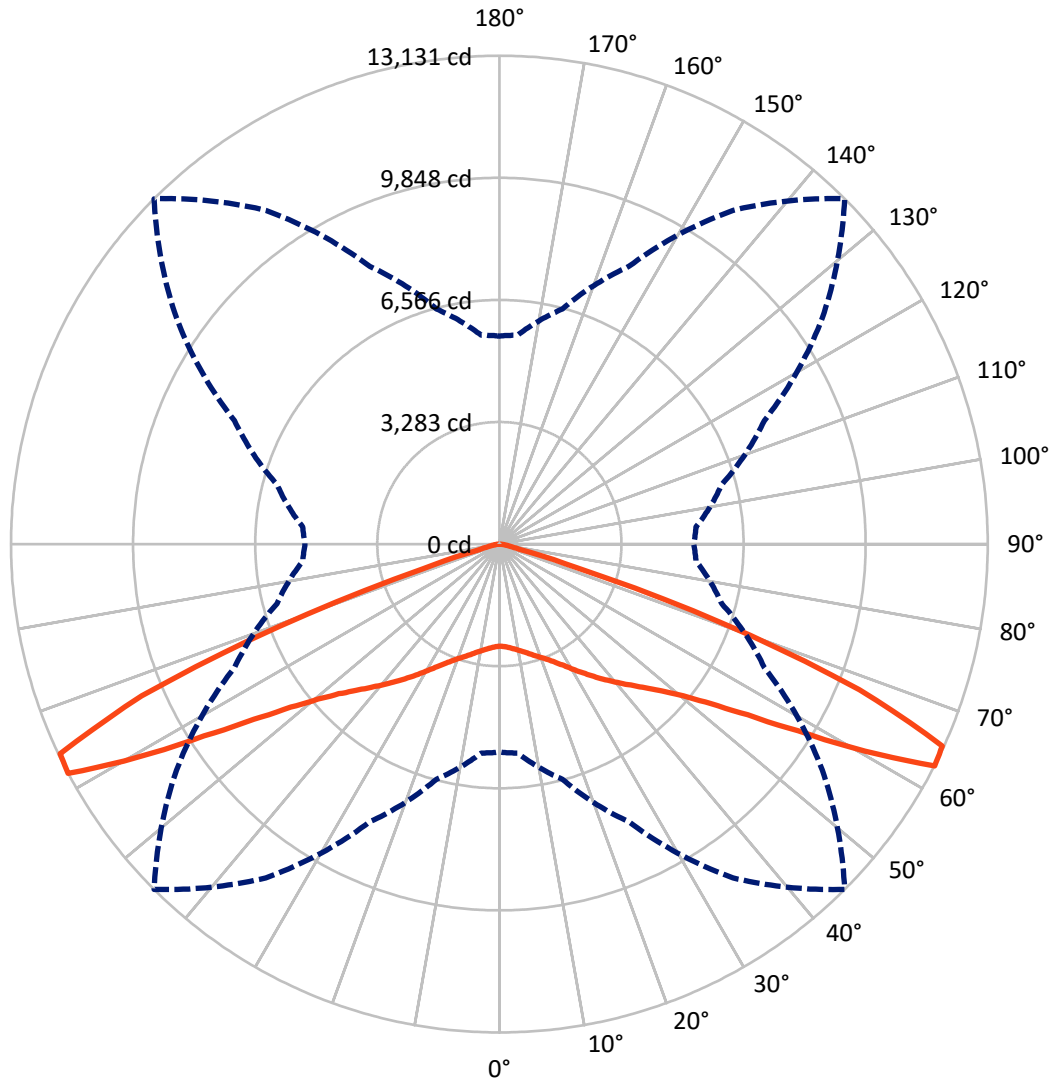
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	11756.1	0.0	11756.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11756.1	0.0	11756.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23512.2	0.0	23512.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.1	1.1
10°-20°	867.9	3.7
20°-30°	1641.9	7.0
30°-40°	2763.6	11.8
40°-50°	4415.5	18.8
50°-60°	7117.5	30.3
60°-70°	5807.1	24.7
70°-80°	563.9	2.4
80°-90°	65.6	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°	23512.2	100.0
0°-180°	23512.2	100.0

**Coefficient of Utilization**



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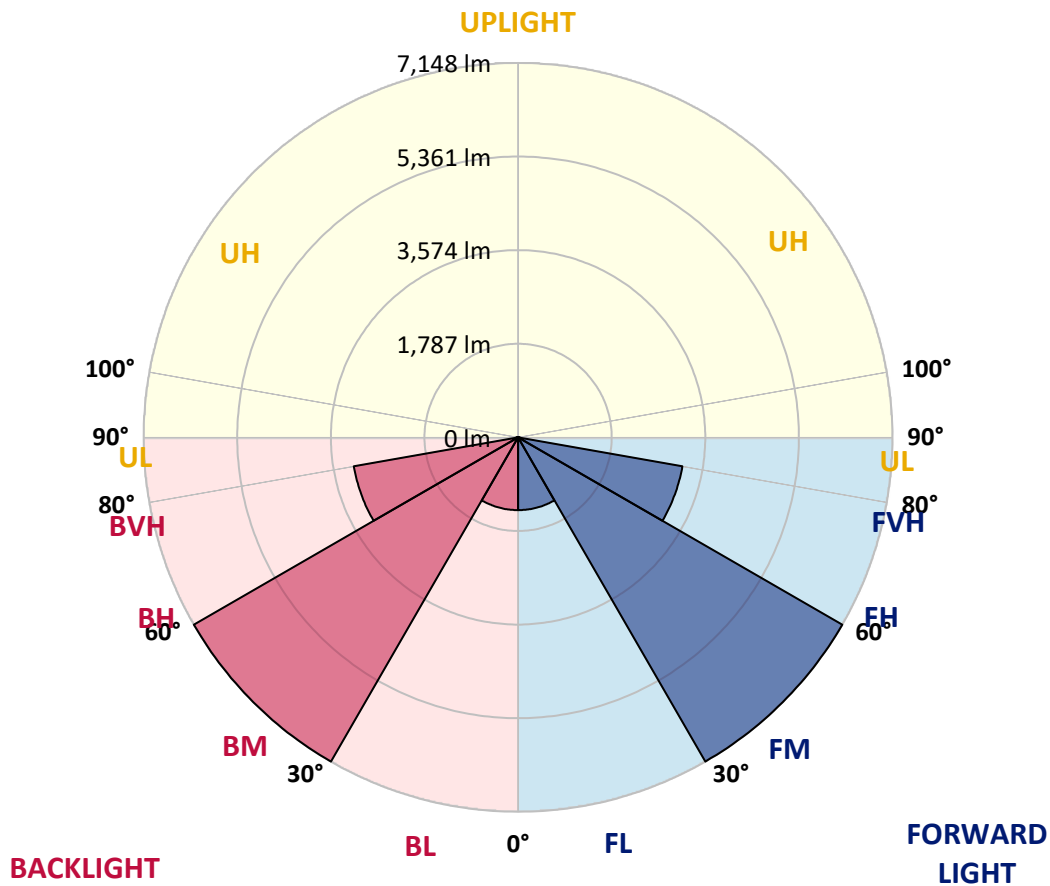
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1389.5	5.9			
FM (30°-60°)	7148.3	30.4			
FH (60°-80°)	3185.5	13.5			G2/5000
FVH (80°-90°)	32.8	0.1			G1/100
BL (0°-30°)	1389.5	5.9	B3/2500		
BM (30°-60°)	7148.3	30.4	B4/8500		
BH (60°-80°)	3185.5	13.5	B4/5000		G2/5000
BVH (80°-90°)	32.8	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°	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0	2743.0
2.5°	2739.8	2739.8	2746.2	2751.1	2747.9	2760.8	2759.1	2755.9	2754.3	2749.5	2764.0
5°	2776.9	2776.9	2781.7	2786.6	2778.5	2794.6	2788.2	2784.9	2783.3	2776.9	2789.8
7.5°	2818.8	2823.6	2825.3	2833.3	2828.5	2846.2	2841.4	2834.9	2831.7	2823.6	2834.9
10°	2865.6	2868.8	2870.4	2884.9	2886.5	2907.5	2902.7	2894.6	2888.1	2880.1	2896.2
12.5°	2928.5	2930.1	2934.9	2952.7	2957.5	2973.6	2972.0	2960.7	2952.7	2941.4	2959.1
15°	3009.1	3010.7	3018.8	3036.5	3044.6	3063.9	3057.5	3039.7	3028.4	3015.5	3030.1
17.5°	3092.9	3099.4	3107.5	3125.2	3136.5	3159.1	3151.0	3131.6	3122.0	3109.1	3118.7
20°	3201.0	3202.6	3207.4	3226.8	3234.9	3260.7	3262.3	3242.9	3238.1	3225.2	3239.7
22.5°	3320.3	3321.9	3326.8	3347.7	3362.2	3378.4	3388.1	3376.8	3368.7	3352.6	3370.3
25°	3452.6	3468.7	3473.5	3499.3	3515.4	3525.1	3536.4	3531.6	3520.3	3500.9	3509.0
27.5°	3638.0	3641.2	3649.3	3678.3	3688.0	3697.7	3709.0	3710.6	3694.4	3671.9	3683.2
30°	3849.3	3847.6	3865.4	3888.0	3896.0	3904.1	3920.2	3929.9	3908.9	3884.7	3896.0
32.5°	4065.3	4084.7	4107.3	4128.2	4123.4	4126.6	4152.4	4170.2	4141.1	4097.6	4107.3
35°	4308.8	4321.7	4350.8	4381.4	4375.0	4370.1	4386.2	4404.0	4363.7	4307.2	4321.7
37.5°	4558.8	4578.1	4621.7	4658.8	4649.1	4626.5	4644.3	4663.6	4624.9	4560.4	4554.0
40°	4837.8	4868.4	4931.3	4961.9	4936.1	4892.6	4923.2	4970.0	4931.3	4857.1	4839.4
42.5°	5165.1	5202.2	5265.1	5311.9	5255.4	5184.5	5236.1	5303.8	5294.1	5195.8	5165.1
45°	5569.9	5594.1	5671.5	5694.1	5610.2	5511.8	5605.4	5708.6	5684.4	5577.9	5537.6
47.5°	6010.1	6047.2	6114.9	6156.9	6021.4	5898.9	6029.5	6168.2	6142.4	6042.4	5995.6
50°	6571.3	6619.7	6708.4	6743.9	6556.8	6416.5	6584.2	6760.0	6710.0	6576.1	6514.9
52.5°	7182.5	7221.2	7372.8	7443.7	7267.9	7116.4	7263.1	7435.7	7329.2	7151.8	7069.6
55°	7721.1	7759.8	7982.3	8217.8	8209.7	8104.9	8179.1	8182.3	7893.6	7600.1	7513.1
57.5°	7837.2	7875.9	8300.0	8916.0	9351.4	9472.4	9254.7	8796.7	8069.4	7555.0	7456.6
60°	7218.0	7261.5	7935.6	9061.1	10493.1	11301.0	10298.0	8783.8	7526.0	6829.3	6735.8
62.5°	5592.5	5639.2	6545.5	8235.5	10954.3	13131.3	10601.2	7859.8	6190.7	5308.6	5226.4
65°	2670.4	2670.4	3821.8	5906.9	10035.1	13087.8	9723.9	5815.0	3726.7	2862.3	2791.4
67.5°	661.2	664.4	983.7	2299.6	6826.1	10444.7	6937.4	2791.4	1312.6	928.9	904.7
70°	412.8	411.2	456.4	622.5	2388.2	6339.1	2836.5	841.8	533.8	470.9	467.7
72.5°	320.9	320.9	343.5	398.3	625.7	2159.3	827.3	467.7	387.0	348.3	348.3
75°	253.2	253.2	269.3	298.3	369.3	556.3	440.2	346.7	299.9	274.1	270.9
77.5°	188.7	191.9	204.8	224.1	251.6	312.8	279.0	261.2	233.8	214.5	208.0
80°	122.6	127.4	143.5	154.8	164.5	206.4	182.2	190.3	177.4	154.8	151.6
82.5°	66.1	67.7	87.1	90.3	93.5	112.9	116.1	120.9	125.8	98.4	91.9
85°	24.2	24.2	29.0	33.9	37.1	40.3	54.8	67.7	71.0	56.4	54.8
87.5°	4.8	4.8	4.8	3.2	3.2	3.2	9.7	17.7	29.0	22.6	22.6
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)