

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: P636311

Luminaire Tested: GWS-SA3F-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636311  
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-SA3F-750-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

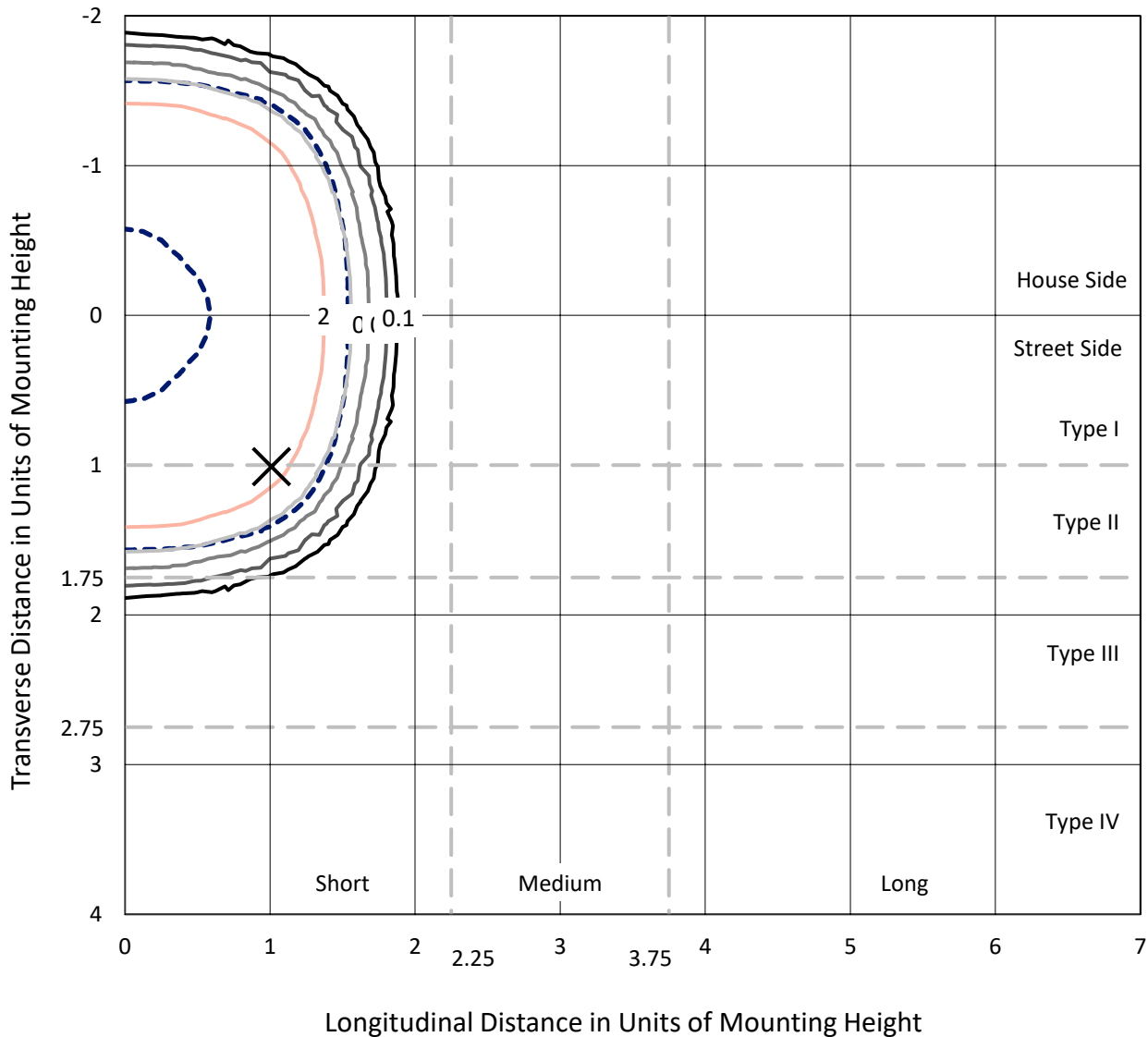
Lumens per Lamp: N/A  
Luminaire Lumens: 17599.7 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

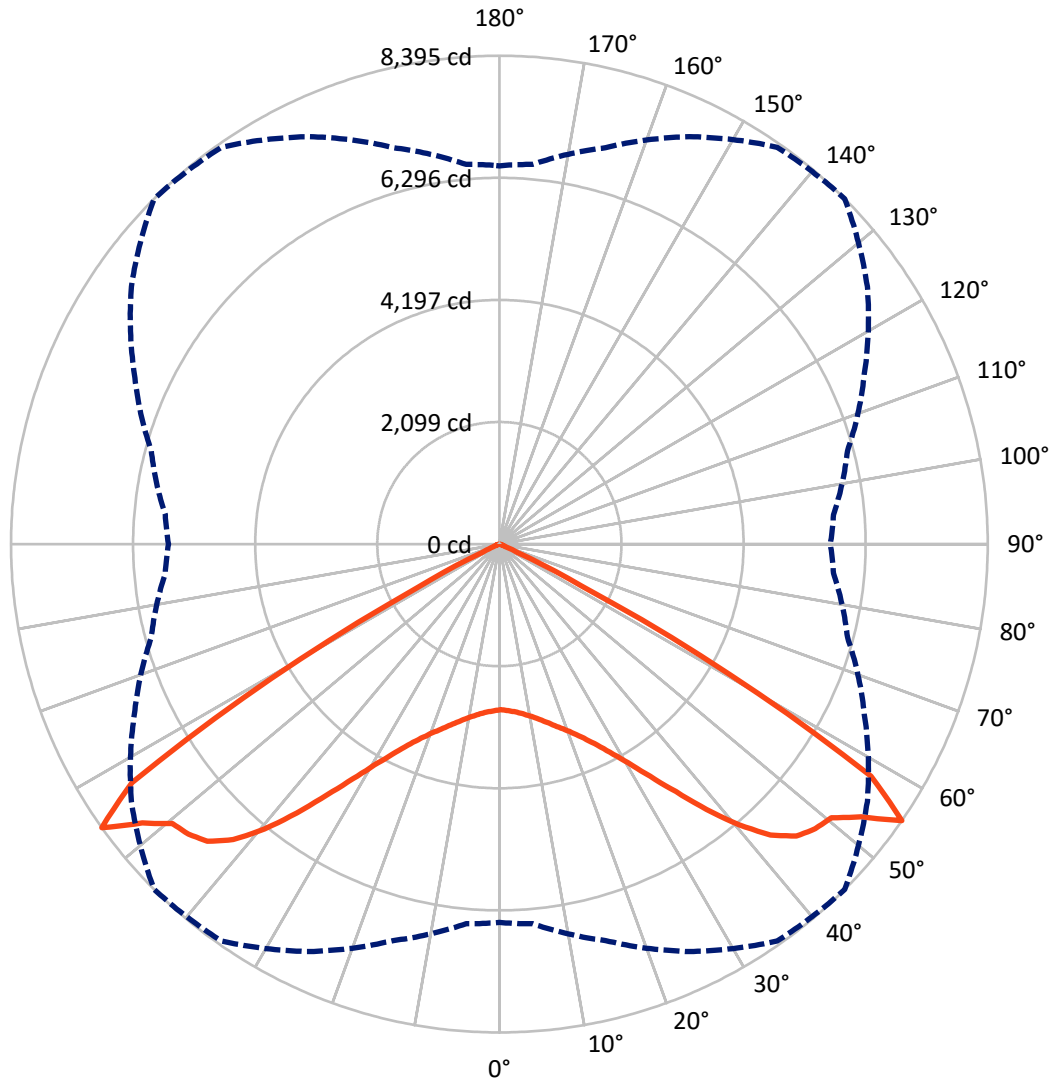
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	8799.8	0.0	8799.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8799.8	0.0	8799.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17599.7	0.0	17599.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.8	1.6
10°-20°	903.7	5.1
20°-30°	1750.2	9.9
30°-40°	3135.6	17.8
40°-50°	5257.1	29.9
50°-60°	5627.4	32.0
60°-70°	618.4	3.5
70°-80°	27.2	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°	17599.7	100.0
0°-180°	17599.7	100.0

**Coefficient of Utilization**



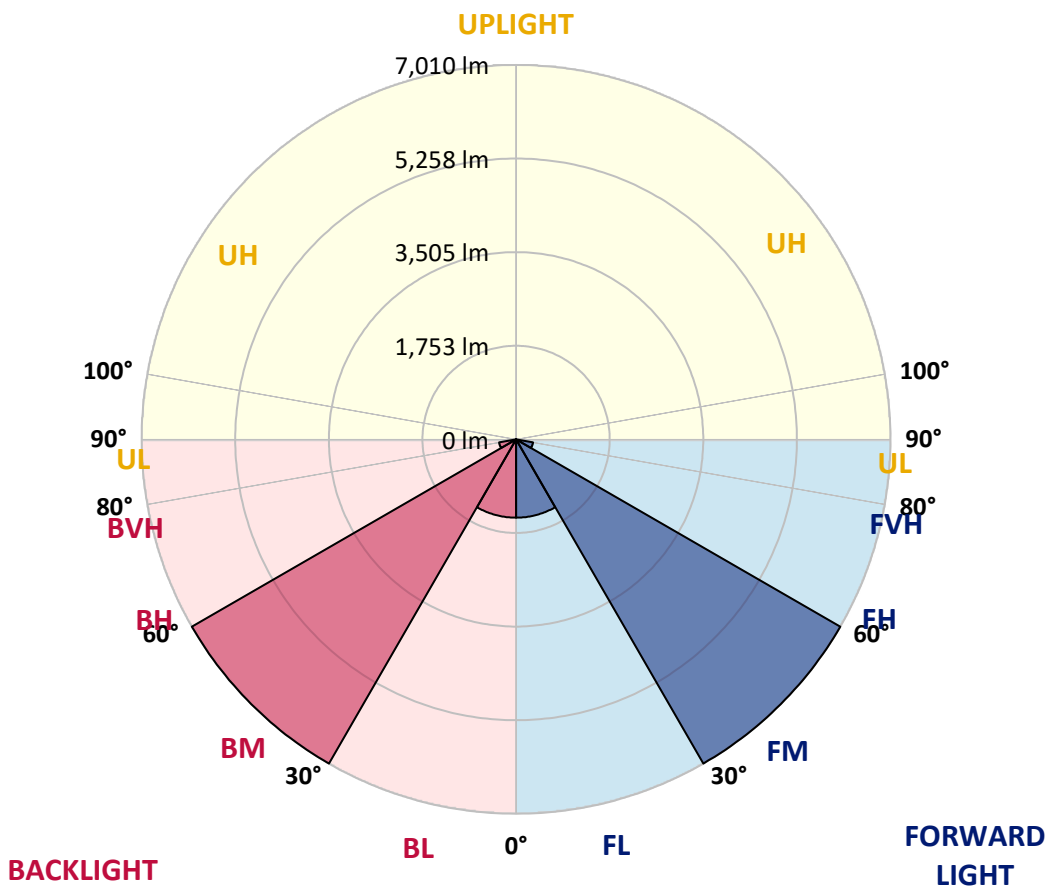
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.4	8.3			
FM (30°-60°)	7010.0	39.8			
FH (60°-80°)	322.8	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1466.4	8.3	B3/2500		
BM (30°-60°)	7010.0	39.8	B4/8500		
BH (60°-80°)	322.8	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°	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5	2845.5
2.5°	2840.2	2840.2	2847.3	2852.7	2852.7	2867.0	2861.7	2856.3	2856.3	2849.1	2863.5
5°	2881.4	2879.6	2886.8	2890.4	2883.2	2897.5	2888.6	2883.2	2879.6	2872.4	2886.8
7.5°	2926.2	2928.0	2929.8	2937.0	2933.4	2947.7	2940.6	2929.8	2926.2	2915.5	2929.8
10°	2980.0	2980.0	2983.6	2992.6	2994.4	3012.3	3005.1	2992.6	2981.8	2971.0	2985.4
12.5°	3048.1	3049.9	3055.3	3067.9	3075.0	3094.8	3084.0	3058.9	3042.8	3030.2	3046.4
15°	3146.8	3145.0	3152.1	3170.1	3179.0	3193.4	3177.2	3143.2	3123.5	3109.1	3119.9
17.5°	3254.3	3254.3	3257.9	3275.9	3288.4	3309.9	3290.2	3249.0	3231.0	3211.3	3222.1
20°	3372.7	3378.1	3381.6	3394.2	3415.7	3437.2	3421.1	3379.9	3360.1	3335.0	3347.6
22.5°	3528.7	3523.3	3525.1	3546.6	3577.1	3598.6	3586.1	3537.6	3503.6	3483.8	3491.0
25°	3702.6	3700.8	3706.2	3738.5	3772.5	3795.8	3777.9	3715.1	3681.1	3647.0	3661.4
27.5°	3916.0	3917.8	3921.3	3960.8	4014.6	4048.7	4003.8	3941.1	3894.5	3849.6	3860.4
30°	4168.8	4165.2	4176.0	4229.7	4308.6	4362.4	4310.4	4222.6	4156.2	4113.2	4118.6
32.5°	4437.7	4441.3	4470.0	4556.1	4660.1	4755.1	4649.3	4532.8	4446.7	4366.0	4376.8
35°	4728.2	4737.2	4801.7	4929.0	5099.4	5226.7	5079.6	4887.8	4765.9	4661.9	4665.5
37.5°	5070.7	5092.2	5181.8	5371.9	5615.8	5786.1	5570.9	5316.3	5158.5	5029.4	5020.5
40°	5520.7	5545.8	5667.8	5893.7	6189.5	6345.5	6096.3	5834.5	5639.1	5499.2	5477.7
42.5°	6037.1	6069.4	6202.1	6433.4	6729.2	6835.0	6591.2	6370.6	6194.9	6029.9	6022.8
45°	6619.9	6637.8	6745.4	6922.9	7136.2	7161.3	6978.5	6856.5	6679.0	6524.8	6512.3
47.5°	7166.7	7184.7	7258.2	7349.6	7399.8	7310.2	7277.9	7224.1	6994.6	6804.5	6765.1
50°	7582.7	7597.1	7688.5	7724.4	7584.5	7394.4	7457.2	7342.4	7093.2	6879.8	6818.9
52.5°	7554.0	7589.9	7824.8	8029.2	7941.3	7787.1	7618.6	7371.1	6983.8	6691.6	6616.3
55°	6503.3	6551.7	7055.6	7727.9	8328.6	8394.9	7720.8	6922.9	6194.9	5766.4	5689.3
57.5°	4179.5	4192.1	4807.1	5750.2	7104.0	7530.7	6402.9	5219.5	4314.0	3842.5	3810.2
60°	1536.6	1511.5	1975.9	2757.7	4091.7	4543.5	3768.9	2639.3	1882.7	1549.2	1522.3
62.5°	369.4	372.9	462.6	693.9	1283.8	1588.6	1255.1	701.1	446.5	374.7	371.2
65°	186.5	182.9	184.7	199.0	274.3	328.1	269.0	190.1	182.9	184.7	182.9
67.5°	120.1	118.3	121.9	123.7	121.9	114.8	113.0	116.5	116.5	118.3	114.8
70°	73.5	71.7	75.3	80.7	77.1	68.1	71.7	75.3	71.7	69.9	69.9
72.5°	39.4	39.4	43.0	46.6	43.0	39.4	39.4	41.2	39.4	39.4	39.4
75°	17.9	17.9	19.7	21.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
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)