

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: P635816

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635816  
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-SA3E-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**

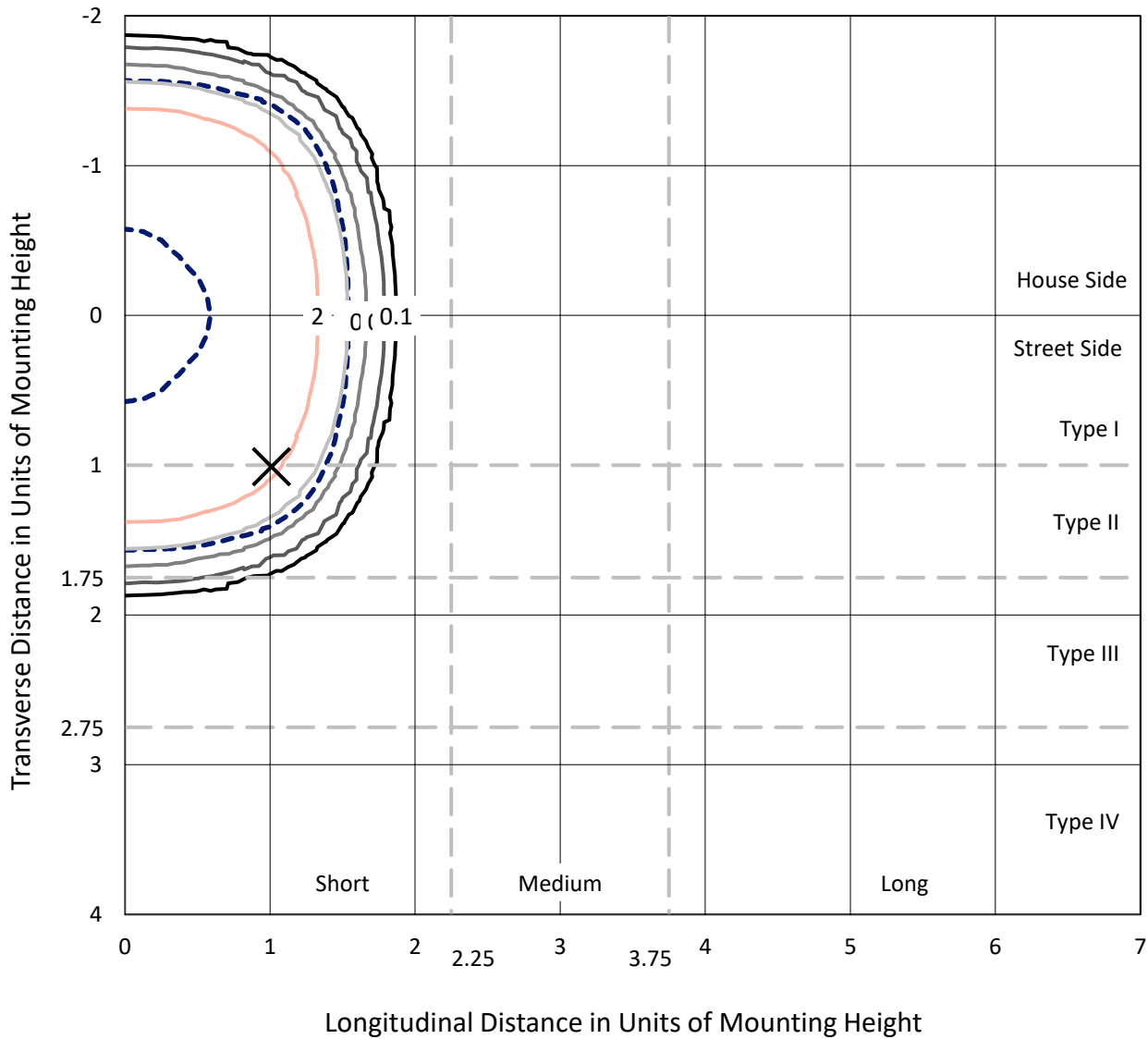
Lumens per Lamp: N/A  
Luminaire Lumens: 15829.6 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

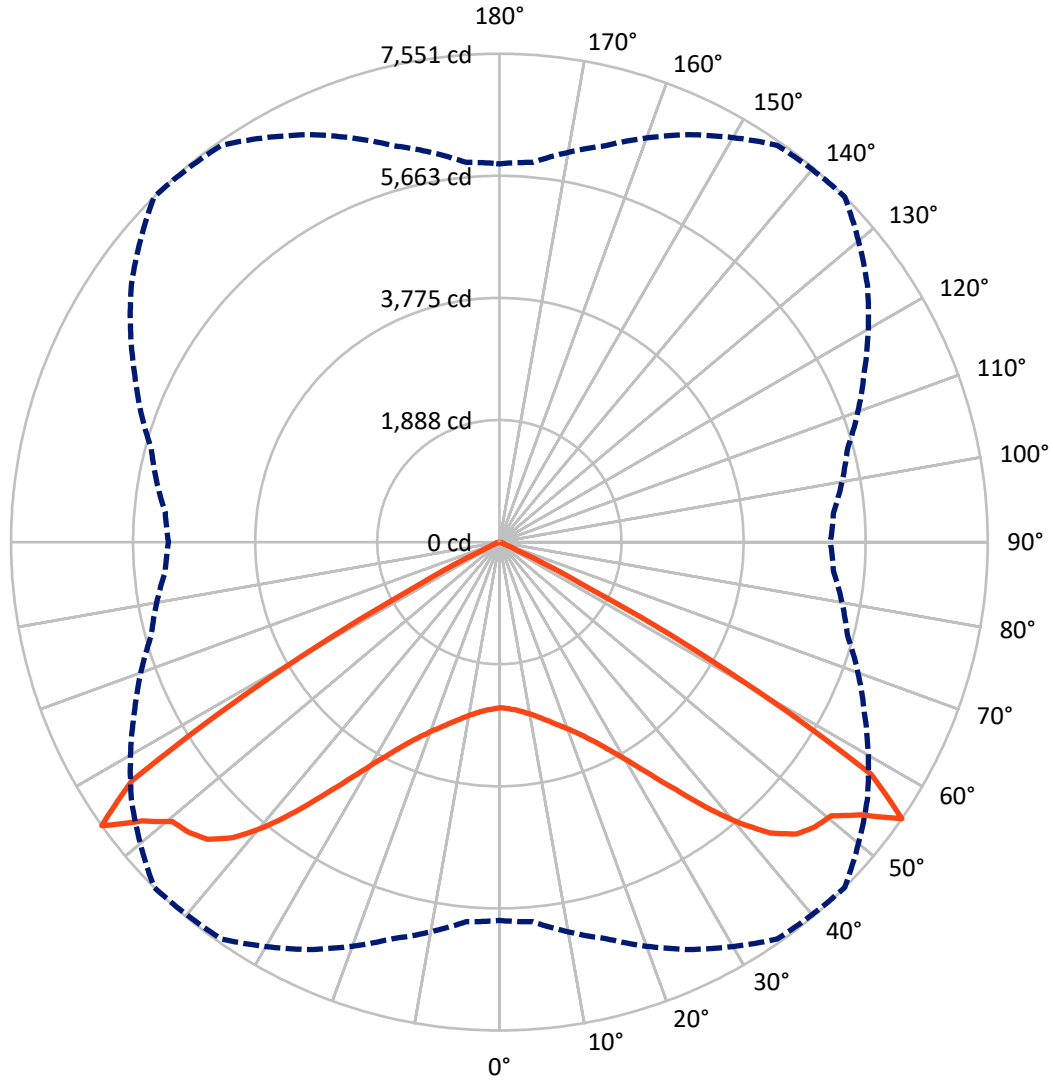
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	7914.8	0.0	7914.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7914.8	0.0	7914.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15829.6	0.0	15829.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.8	1.6
10°-20°	812.8	5.1
20°-30°	1574.2	9.9
30°-40°	2820.2	17.8
40°-50°	4728.3	29.9
50°-60°	5061.4	32.0
60°-70°	556.2	3.5
70°-80°	24.5	0.2
80°-90°	1.1	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°	15829.6	100.0
0°-180°	15829.6	100.0

**Coefficient of Utilization**



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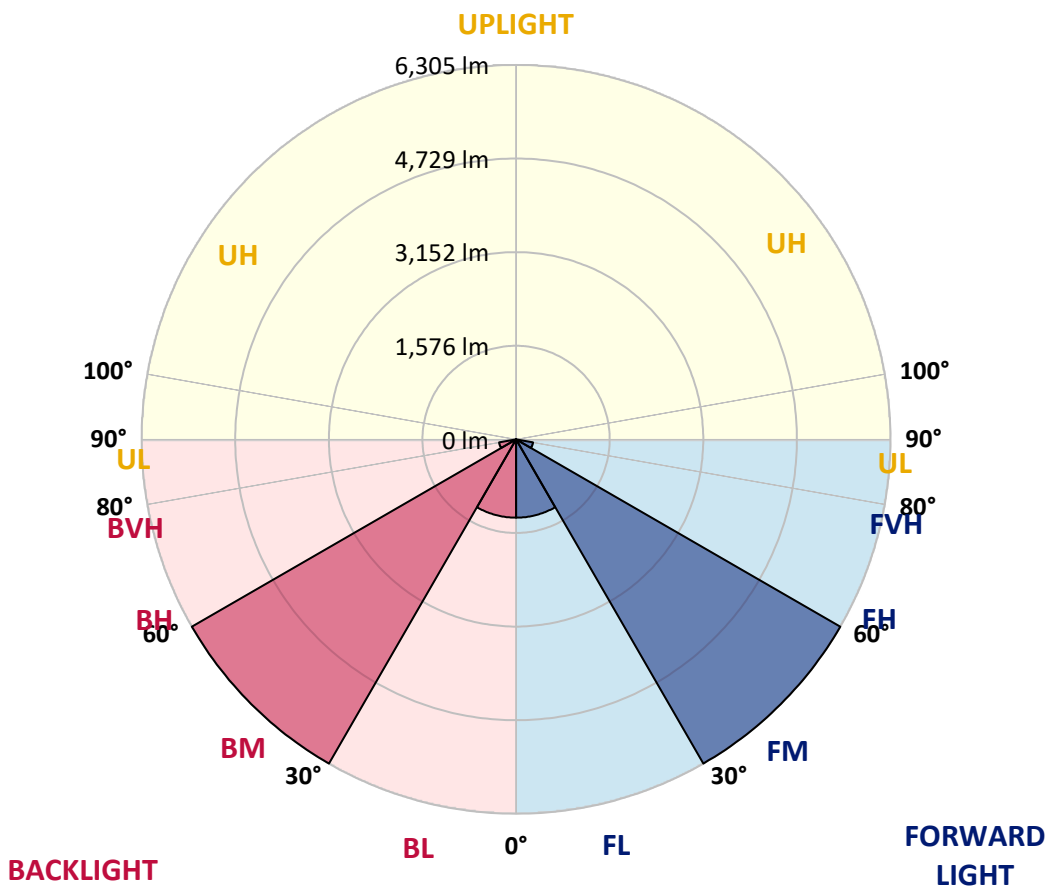
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.9	8.3			
FM (30°-60°)	6305.0	39.8			
FH (60°-80°)	290.3	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1318.9	8.3	B3/2500		
BM (30°-60°)	6305.0	39.8	B4/8500		
BH (60°-80°)	290.3	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°	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3	2559.3
2.5°	2554.5	2554.5	2561.0	2565.8	2565.8	2578.7	2573.9	2569.0	2569.0	2562.6	2575.5
5°	2591.6	2590.0	2596.4	2599.7	2593.2	2606.1	2598.0	2593.2	2590.0	2583.5	2596.4
7.5°	2631.9	2633.5	2635.1	2641.6	2638.4	2651.3	2644.8	2635.1	2631.9	2622.2	2635.1
10°	2680.3	2680.3	2683.5	2691.6	2693.2	2709.3	2702.9	2691.6	2681.9	2672.2	2685.1
12.5°	2741.6	2743.2	2748.0	2759.3	2765.8	2783.5	2773.8	2751.3	2736.7	2725.4	2740.0
15°	2830.3	2828.7	2835.1	2851.2	2859.3	2872.2	2857.7	2827.0	2809.3	2796.4	2806.1
17.5°	2927.0	2927.0	2930.3	2946.4	2957.7	2977.0	2959.3	2922.2	2906.1	2888.3	2898.0
20°	3033.5	3038.3	3041.5	3052.8	3072.2	3091.5	3077.0	3039.9	3022.2	2999.6	3010.9
22.5°	3173.8	3168.9	3170.6	3189.9	3217.3	3236.7	3225.4	3181.8	3151.2	3133.5	3139.9
25°	3330.2	3328.6	3333.4	3362.5	3393.1	3414.1	3397.9	3341.5	3310.9	3280.2	3293.1
27.5°	3522.1	3523.7	3527.0	3562.4	3610.8	3641.5	3601.1	3544.7	3502.8	3462.4	3472.1
30°	3749.5	3746.3	3756.0	3804.3	3875.3	3923.7	3876.9	3797.9	3738.2	3699.5	3704.4
32.5°	3991.4	3994.6	4020.4	4097.8	4191.4	4276.9	4181.7	4076.9	3999.5	3926.9	3936.6
35°	4252.7	4260.7	4318.8	4433.3	4586.5	4701.0	4568.8	4396.2	4286.5	4193.0	4196.2
37.5°	4560.7	4580.0	4660.7	4831.6	5050.9	5204.2	5010.6	4781.6	4639.7	4523.6	4515.5
40°	4965.5	4988.1	5097.7	5300.9	5567.0	5707.3	5483.2	5247.7	5071.9	4946.1	4926.8
42.5°	5429.9	5459.0	5578.3	5786.3	6052.4	6147.6	5928.3	5729.9	5571.8	5423.5	5417.0
45°	5954.1	5970.2	6066.9	6226.6	6418.5	6441.1	6276.6	6166.9	6007.3	5868.6	5857.3
47.5°	6445.9	6462.1	6528.2	6610.4	6655.6	6574.9	6545.9	6497.5	6291.1	6120.2	6084.7
50°	6820.1	6833.0	6915.2	6947.5	6821.7	6650.7	6707.2	6604.0	6379.8	6187.9	6133.1
52.5°	6794.3	6826.5	7037.8	7221.6	7142.6	7003.9	6852.3	6629.8	6281.4	6018.6	5950.8
55°	5849.2	5892.8	6345.9	6950.7	7491.0	7550.6	6944.2	6226.6	5571.8	5186.4	5117.1
57.5°	3759.2	3770.5	4323.6	5171.9	6389.5	6773.3	5758.9	4694.5	3880.1	3456.0	3427.0
60°	1382.1	1359.5	1777.2	2480.3	3680.2	4086.6	3389.9	2373.9	1693.3	1393.4	1369.2
62.5°	332.2	335.4	416.1	624.1	1154.7	1428.8	1128.9	630.6	401.6	337.1	333.8
65°	167.7	164.5	166.1	179.0	246.7	295.1	241.9	170.9	164.5	166.1	164.5
67.5°	108.1	106.4	109.7	111.3	109.7	103.2	101.6	104.8	104.8	106.4	103.2
70°	66.1	64.5	67.7	72.6	69.3	61.3	64.5	67.7	64.5	62.9	62.9
72.5°	35.5	35.5	38.7	41.9	38.7	35.5	35.5	37.1	35.5	35.5	35.5
75°	16.1	16.1	17.7	19.4	16.1	16.1	16.1	16.1	16.1	16.1	16.1
77.5°	4.8	4.8	6.5	6.5	4.8	4.8	4.8	4.8	6.5	6.5	6.5
80°	1.6	3.2	3.2	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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)