

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: P638288

Luminaire Tested: GWS-SA4E-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638288  
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-SA4E-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**

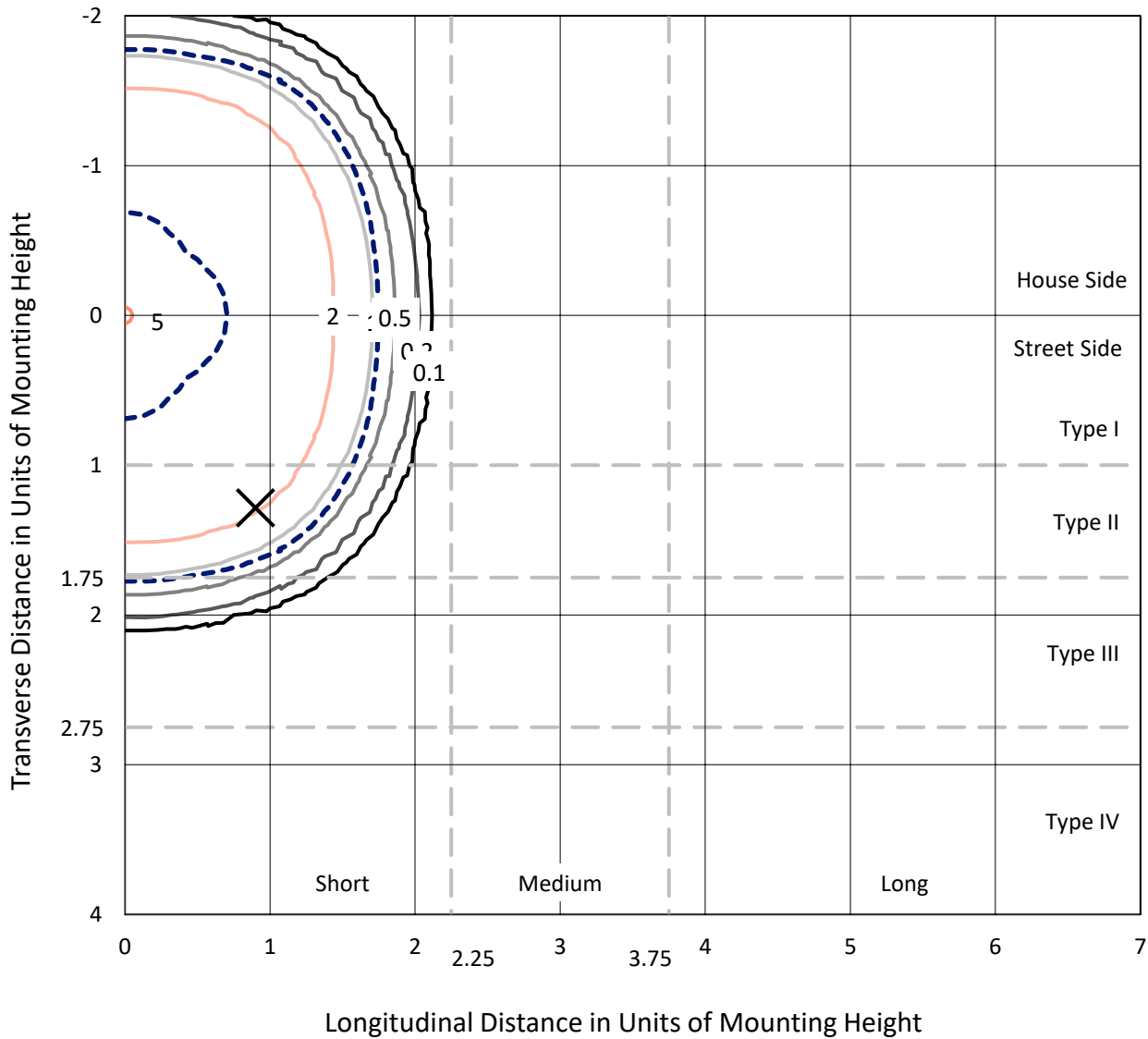
Lumens per Lamp: N/A  
Luminaire Lumens: 19126.4 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

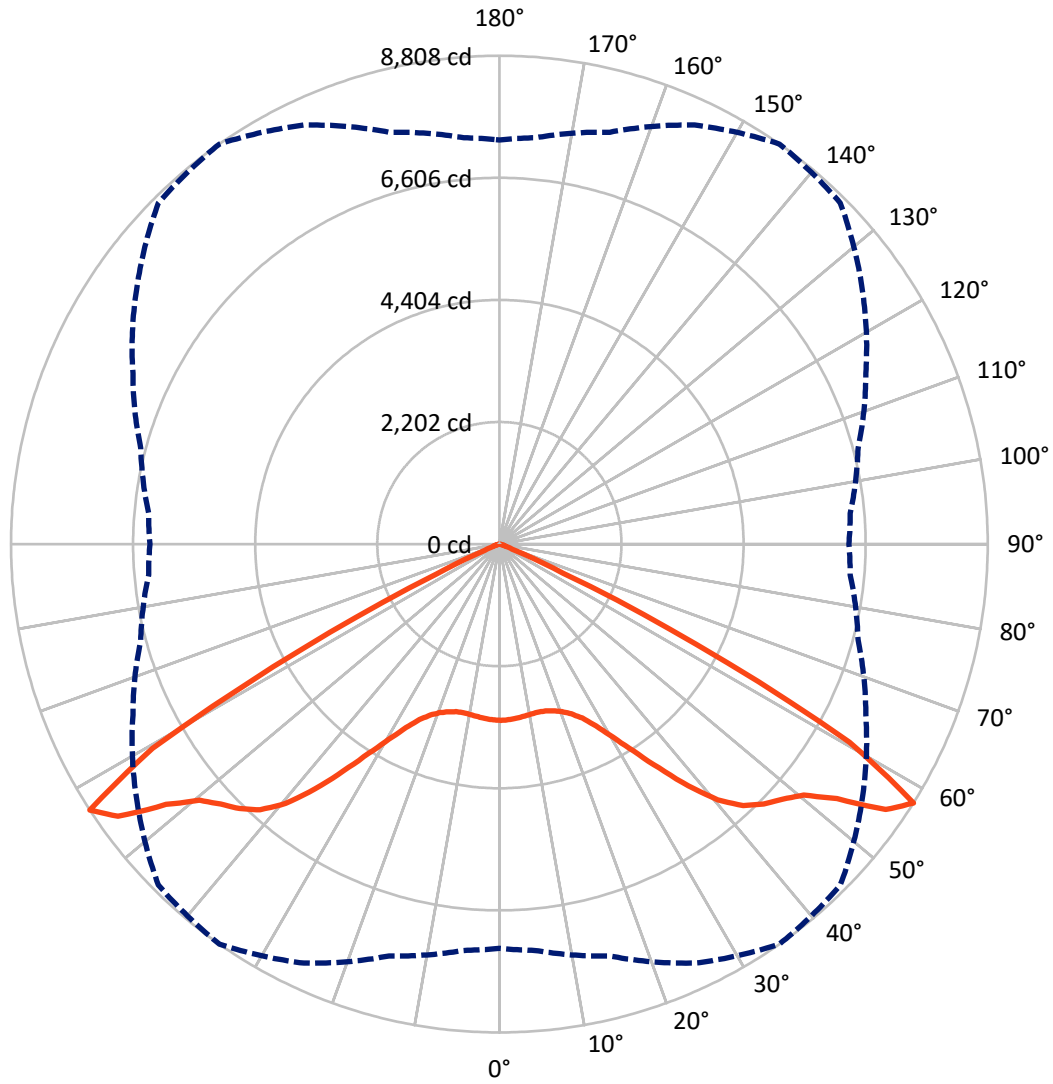
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	9563.2	0.0	9563.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9563.2	0.0	9563.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19126.4	0.0	19126.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.6	1.6
10°-20°	881.3	4.6
20°-30°	1593.0	8.3
30°-40°	2971.9	15.5
40°-50°	4985.3	26.1
50°-60°	6583.6	34.4
60°-70°	1748.5	9.1
70°-80°	62.1	0.3
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°	19126.4	100.0
0°-180°	19126.4	100.0

**Coefficient of Utilization**



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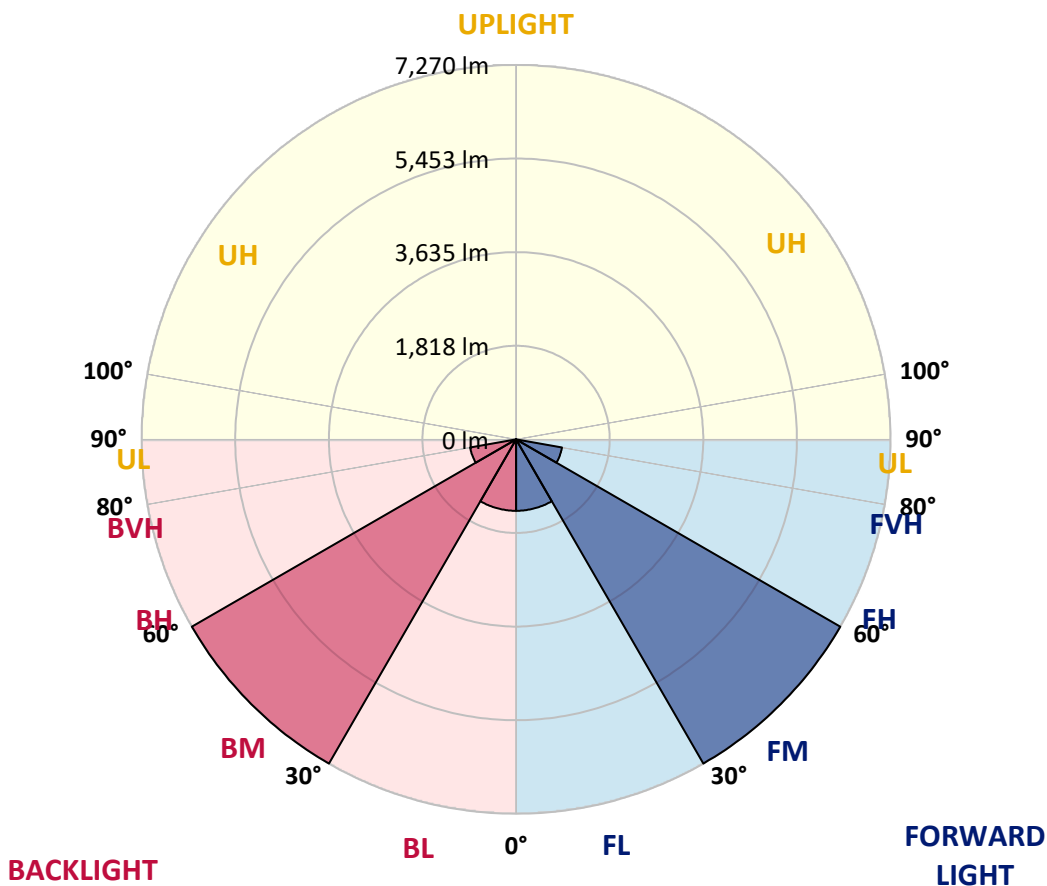
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.9	7.3			
FM (30°-60°)	7270.4	38.0			
FH (60°-80°)	905.3	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1386.9	7.3	B3/2500		
BM (30°-60°)	7270.4	38.0	B4/8500		
BH (60°-80°)	905.3	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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°	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9	3179.9
2.5°	3157.5	3155.3	3164.2	3171.0	3171.0	3186.7	3182.2	3177.7	3173.2	3166.5	3182.2
5°	3153.0	3150.8	3157.5	3162.0	3157.5	3171.0	3162.0	3153.0	3148.5	3139.5	3157.5
7.5°	3132.8	3135.1	3139.5	3144.0	3137.3	3148.5	3137.3	3123.8	3112.6	3103.6	3119.3
10°	3101.4	3103.6	3108.1	3117.1	3119.3	3135.1	3119.3	3094.7	3079.0	3065.5	3081.2
12.5°	3085.7	3087.9	3094.7	3105.9	3108.1	3128.3	3108.1	3072.2	3049.8	3034.1	3049.8
15°	3090.2	3094.7	3103.6	3117.1	3121.6	3141.8	3114.9	3067.7	3036.3	3016.1	3029.6
17.5°	3105.9	3110.4	3123.8	3146.3	3162.0	3182.2	3148.5	3087.9	3045.3	3016.1	3029.6
20°	3126.1	3132.8	3155.3	3191.2	3224.8	3260.7	3218.1	3135.1	3079.0	3043.0	3054.3
22.5°	3182.2	3188.9	3220.3	3267.5	3323.6	3368.4	3316.8	3211.4	3135.1	3087.9	3099.1
25°	3296.6	3303.4	3343.8	3404.3	3476.2	3534.5	3469.4	3337.0	3238.3	3184.4	3188.9
27.5°	3476.2	3482.9	3530.0	3615.3	3711.8	3794.8	3700.6	3545.7	3433.5	3370.7	3370.7
30°	3702.8	3711.8	3774.6	3889.1	4039.4	4149.4	4021.5	3833.0	3689.4	3604.1	3606.3
32.5°	3994.6	3985.6	4075.3	4232.4	4445.6	4591.5	4403.0	4174.1	3996.8	3877.9	3889.1
35°	4369.3	4367.1	4468.1	4681.3	4959.5	5134.6	4910.2	4613.9	4400.7	4279.6	4281.8
37.5°	4851.8	4849.6	4966.3	5197.4	5531.8	5677.7	5426.3	5125.6	4896.7	4780.0	4793.5
40°	5417.3	5403.9	5507.1	5729.3	6063.6	6157.9	5884.1	5641.7	5421.8	5347.8	5383.7
42.5°	5955.9	5926.8	5987.3	6189.3	6447.4	6460.9	6254.4	6088.3	5938.0	5879.6	5902.1
45°	6389.0	6366.6	6422.7	6539.4	6687.5	6620.2	6521.4	6469.8	6348.7	6285.8	6306.0
47.5°	6712.2	6712.2	6779.5	6851.3	6873.8	6750.4	6766.1	6766.1	6644.9	6546.1	6521.4
50°	6990.5	7010.7	7111.7	7185.7	7111.7	6954.6	7044.3	7026.4	6779.5	6582.0	6530.4
52.5°	7434.8	7455.0	7609.9	7710.8	7627.8	7473.0	7484.2	7259.8	6896.2	6662.8	6582.0
55°	7906.1	7955.5	8179.9	8449.2	8451.4	8292.1	7995.8	7598.6	7156.5	6903.0	6819.9
57.5°	7288.9	7356.3	7690.6	8339.2	8808.2	8698.3	7991.4	7293.4	6696.5	6350.9	6303.8
60°	5015.6	5132.3	5466.7	6353.1	7257.5	7300.2	6465.3	5682.1	4997.7	4571.3	4580.3
62.5°	2118.5	2237.4	2425.9	3155.3	3985.6	4037.2	3633.3	3072.2	2513.4	2206.0	2253.1
65°	498.2	531.9	588.0	873.0	1265.7	1324.0	1220.8	951.5	702.4	594.7	605.9
67.5°	217.7	222.2	210.9	224.4	278.3	285.0	276.0	242.4	228.9	233.4	233.4
70°	152.6	154.8	145.9	139.1	132.4	123.4	127.9	141.4	152.6	161.6	159.3
72.5°	94.3	96.5	98.7	98.7	92.0	83.0	87.5	96.5	98.7	101.0	98.7
75°	47.1	49.4	53.9	56.1	53.9	51.6	51.6	53.9	53.9	51.6	51.6
77.5°	9.0	11.2	15.7	18.0	18.0	18.0	18.0	18.0	20.2	18.0	18.0
80°	2.2	2.2	4.5	2.2	2.2	2.2	2.2	2.2	2.2	4.5	4.5
82.5°	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
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)