

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: P643189

Luminaire Tested: GWS-SA6E-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23557.6 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

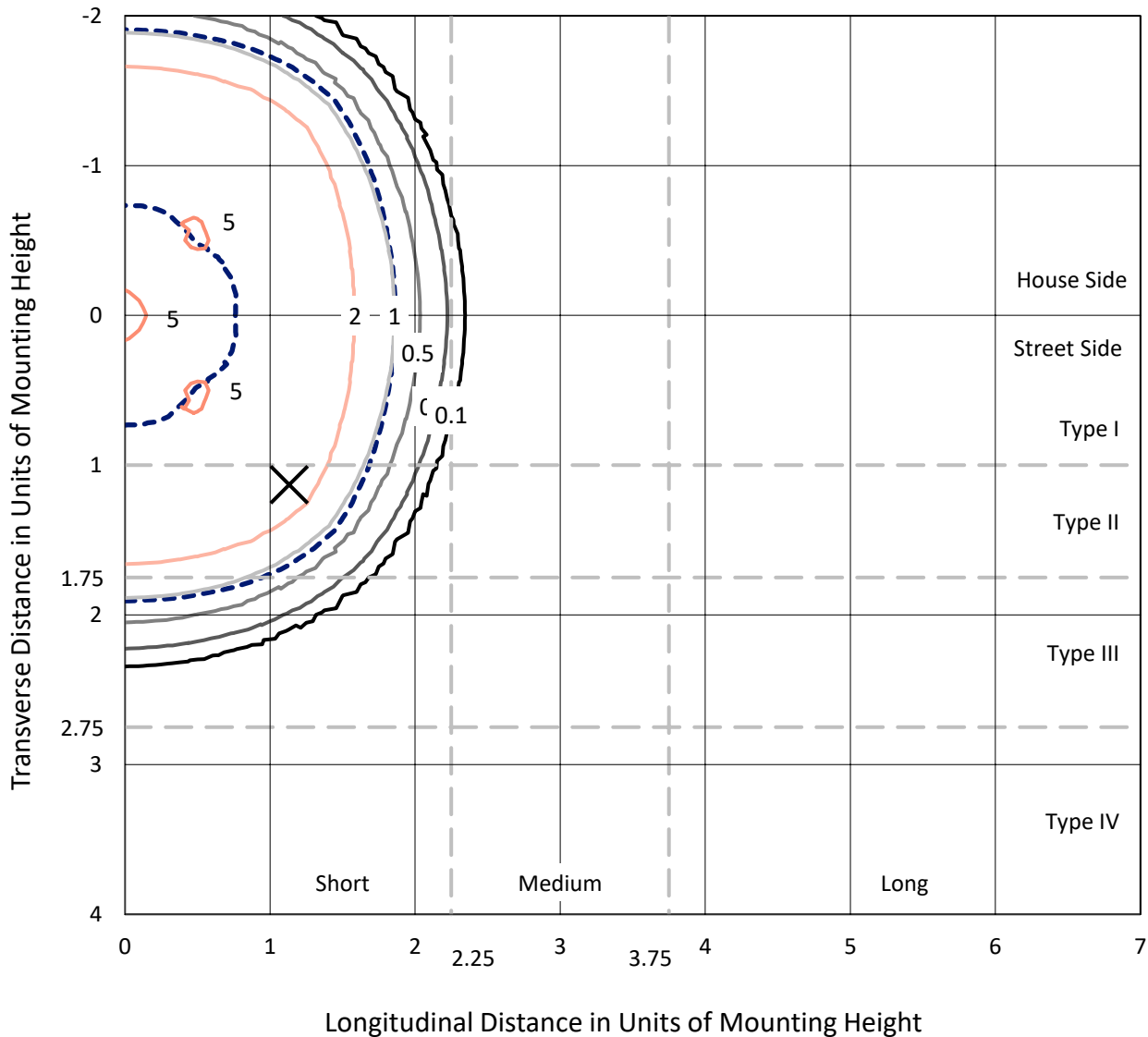
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

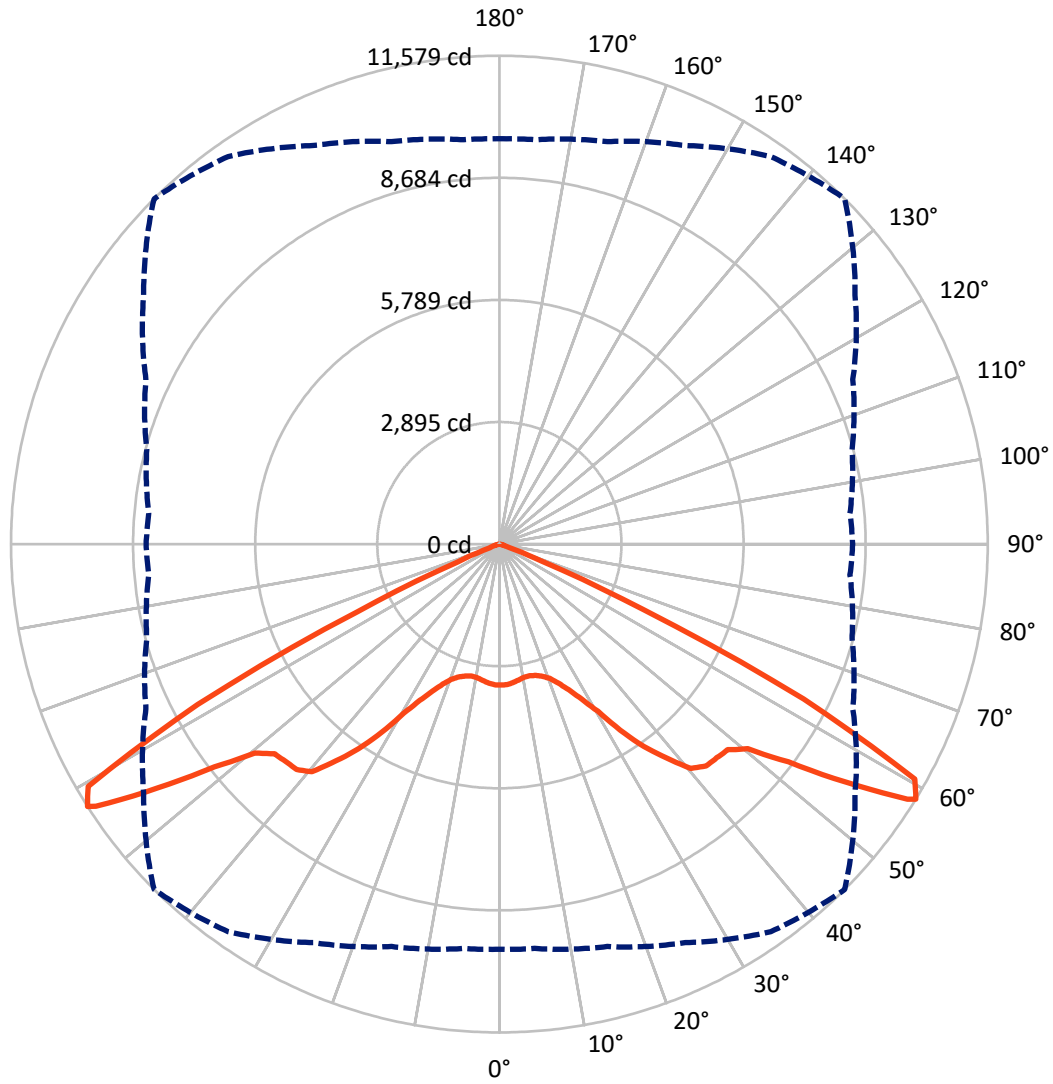
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11778.8	0.0	11778.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11778.8	0.0	11778.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	23557.6	0.0	23557.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	1.3
10°-20°	922.3	3.9
20°-30°	1744.3	7.4
30°-40°	3440.2	14.6
40°-50°	5444.0	23.1
50°-60°	8002.4	34.0
60°-70°	3572.0	15.2
70°-80°	119.7	0.5
80°-90°	1.0	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°	23557.6	100.0
0°-180°	23557.6	100.0

Coefficient of Utilization



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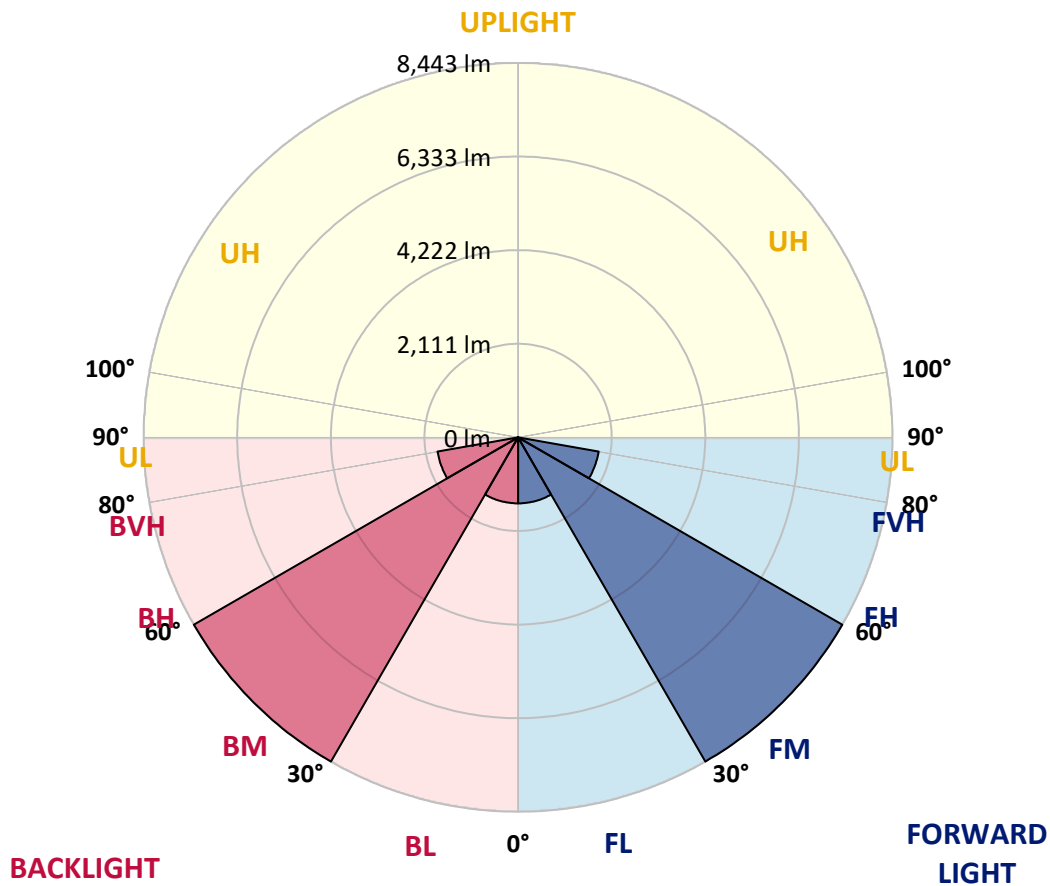
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1489.2	6.3			
FM (30°-60°)	8443.3	35.8			
FH (60°-80°)	1845.8	7.8			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1489.2	6.3	B3/2500		
BM (30°-60°)	8443.3	35.8	B4/8500		
BH (60°-80°)	1845.8	7.8	B3/2500		G2/5000
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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8	3340.8
2.5°	3308.7	3315.1	3321.5	3324.7	3327.9	3337.6	3340.8	3331.2	3331.2	3311.9	3334.4
5°	3292.6	3299.1	3305.5	3302.3	3302.3	3302.3	3299.1	3286.2	3283.0	3263.8	3286.2
7.5°	3263.8	3270.2	3270.2	3260.6	3254.1	3254.1	3250.9	3234.9	3231.7	3212.4	3234.9
10°	3241.3	3244.5	3241.3	3222.0	3209.2	3209.2	3206.0	3199.6	3202.8	3189.9	3209.2
12.5°	3254.1	3257.3	3244.5	3218.8	3202.8	3199.6	3189.9	3180.3	3189.9	3186.7	3206.0
15°	3295.9	3299.1	3276.6	3244.5	3231.7	3231.7	3206.0	3180.3	3193.2	3196.4	3218.8
17.5°	3347.2	3347.2	3318.3	3289.4	3292.6	3292.6	3250.9	3206.0	3209.2	3222.0	3244.5
20°	3408.2	3408.2	3379.3	3372.9	3395.3	3398.5	3347.2	3276.6	3260.6	3270.2	3295.9
22.5°	3517.3	3517.3	3494.8	3510.9	3562.2	3578.3	3501.2	3401.8	3363.2	3369.7	3395.3
25°	3687.4	3687.4	3681.0	3719.5	3793.3	3828.6	3725.9	3594.3	3530.1	3520.5	3549.4
27.5°	3973.0	3976.2	3966.6	4024.3	4117.4	4159.1	4017.9	3844.6	3767.6	3751.6	3780.4
30°	4342.1	4342.1	4345.3	4425.5	4547.4	4602.0	4415.9	4213.7	4123.8	4072.5	4111.0
32.5°	4752.8	4759.2	4791.3	4926.1	5141.1	5253.5	4980.7	4698.3	4553.9	4499.3	4541.0
35°	5430.0	5369.0	5330.5	5430.0	5741.3	5888.9	5539.1	5208.5	5099.4	5093.0	5198.9
37.5°	6100.7	6065.4	5985.2	6087.9	6367.1	6434.5	6049.3	5773.4	5696.3	5738.1	5844.0
40°	6633.4	6569.2	6463.3	6559.6	6925.5	6992.9	6517.9	6245.1	6216.2	6309.3	6453.7
42.5°	7053.8	6964.0	6822.8	6845.2	7140.5	7188.6	6768.2	6562.8	6582.1	6697.6	6861.3
45°	7243.2	7172.6	7047.4	7037.8	7223.9	7227.1	6896.6	6790.7	6842.0	6931.9	7060.2
47.5°	7323.4	7291.3	7220.7	7204.7	7310.6	7284.9	7079.5	7034.6	7082.7	7108.4	7182.2
50°	7522.4	7522.4	7532.0	7544.8	7654.0	7628.3	7483.9	7432.5	7371.5	7281.7	7304.1
52.5°	8080.8	8103.2	8196.3	8299.0	8498.0	8581.4	8347.1	8048.7	7756.6	7560.9	7560.9
55°	9088.5	9110.9	9220.0	9393.3	9759.2	9958.2	9412.6	8754.7	8353.6	8087.2	8122.5
57.5°	9643.7	9669.3	9894.0	10362.5	11071.8	11408.7	10237.4	9261.8	8700.2	8395.3	8421.0
58°	9608.4	9624.4	9877.9	10426.7	11216.2	11578.8	10295.1	9245.7	8655.2	8343.9	8376.0
60°	8536.5	8514.0	8918.4	9701.4	10815.0	11315.7	9720.7	8440.2	7753.4	7435.7	7451.8
62.5°	5580.8	5593.6	5943.4	6761.8	7628.3	8100.0	6790.7	5837.5	5285.6	5093.0	5044.9
65°	2329.9	2288.2	2503.2	2958.9	3478.8	3741.9	3215.6	2721.4	2381.2	2252.9	2288.2
67.5°	600.1	584.1	596.9	747.7	914.6	1081.5	908.2	693.2	603.3	609.7	609.7
70°	340.2	320.9	259.9	240.7	234.3	234.3	234.3	234.3	269.6	317.7	327.3
72.5°	256.7	240.7	189.3	163.7	144.4	134.8	141.2	163.7	195.8	237.5	243.9
75°	128.4	128.4	115.5	109.1	96.3	89.9	93.1	102.7	118.7	134.8	131.6
77.5°	25.7	28.9	32.1	38.5	32.1	32.1	32.1	38.5	38.5	41.7	38.5
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)