

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: P640488

Luminaire Tested: GWS-SA5E-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640488
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-SA5E-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16895.2 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

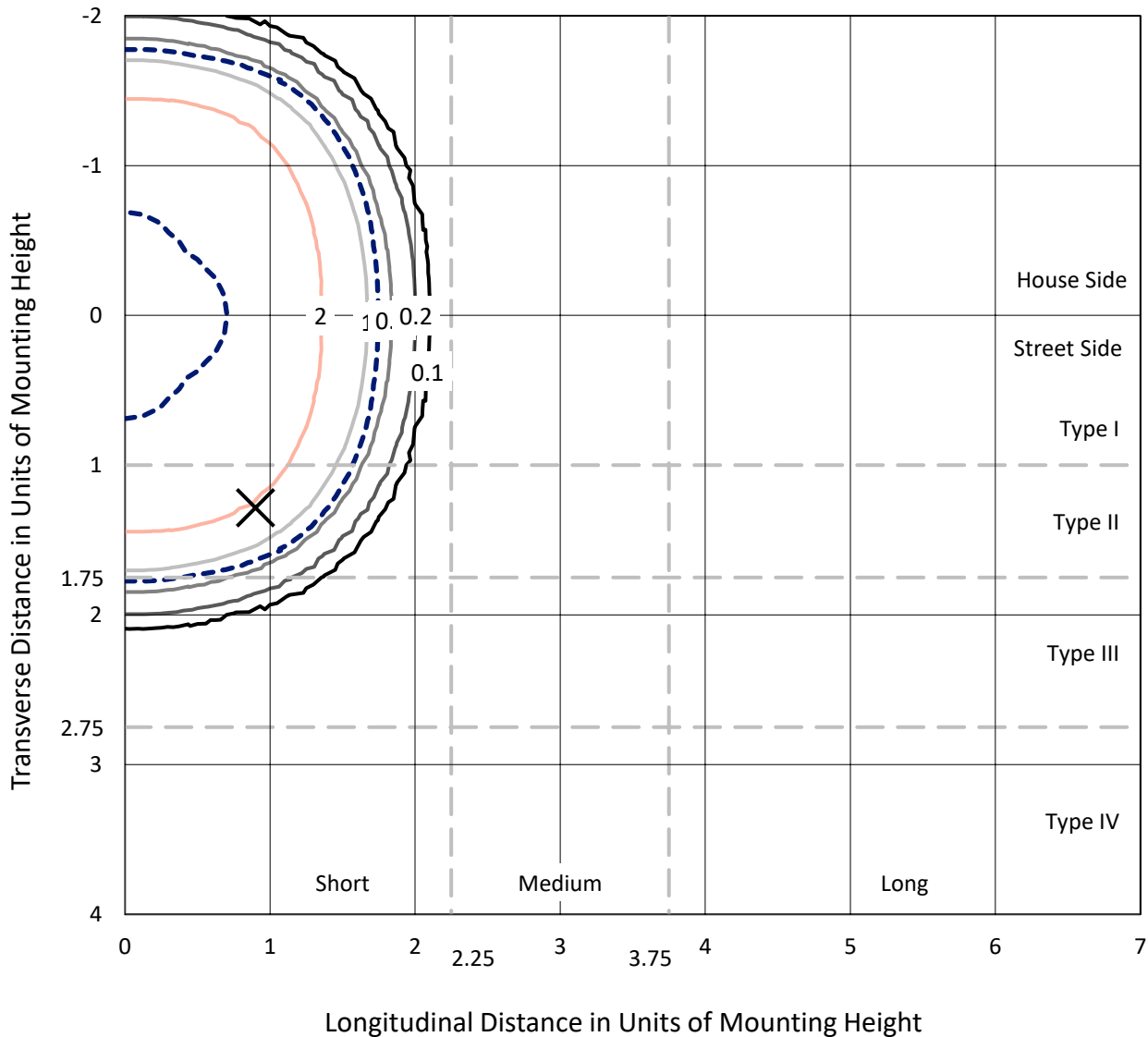
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

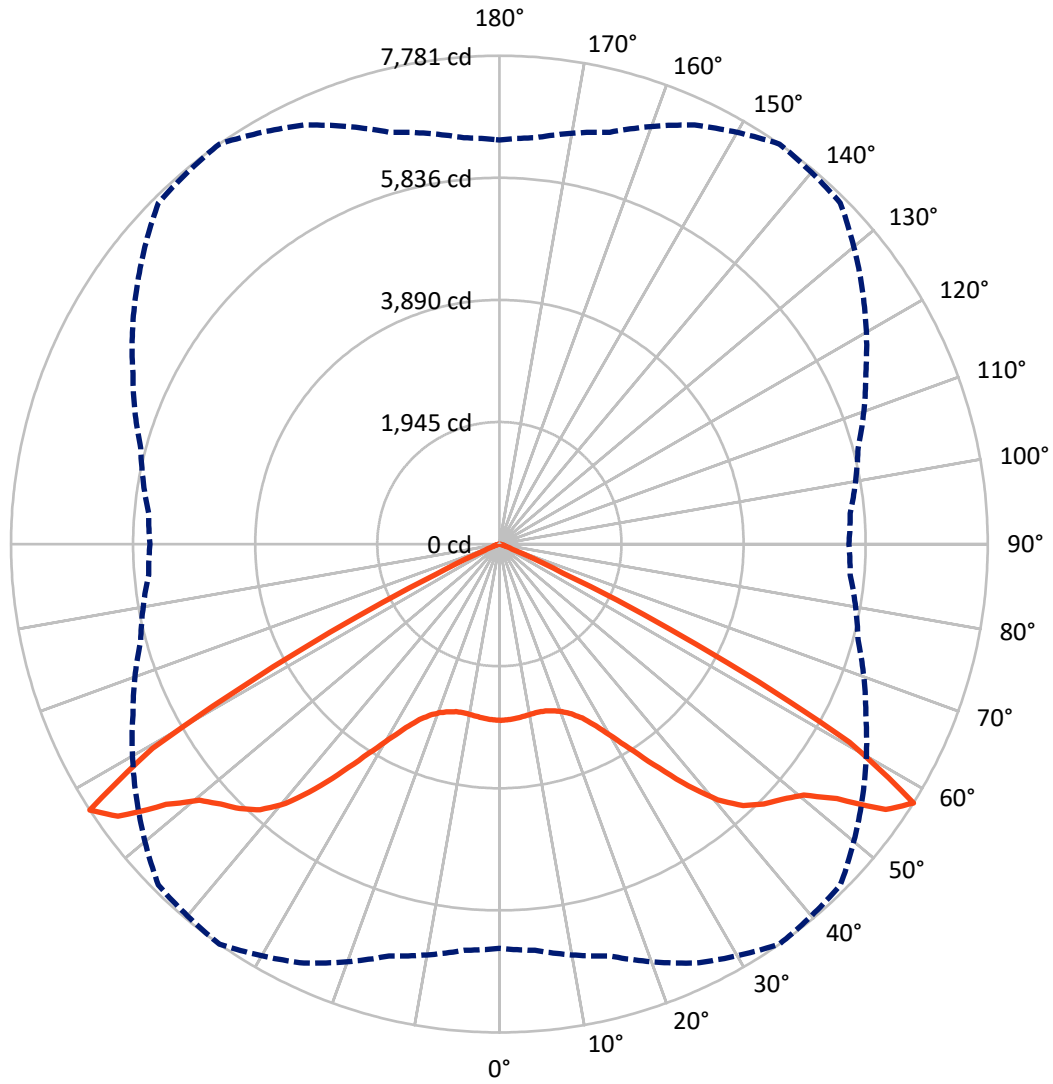
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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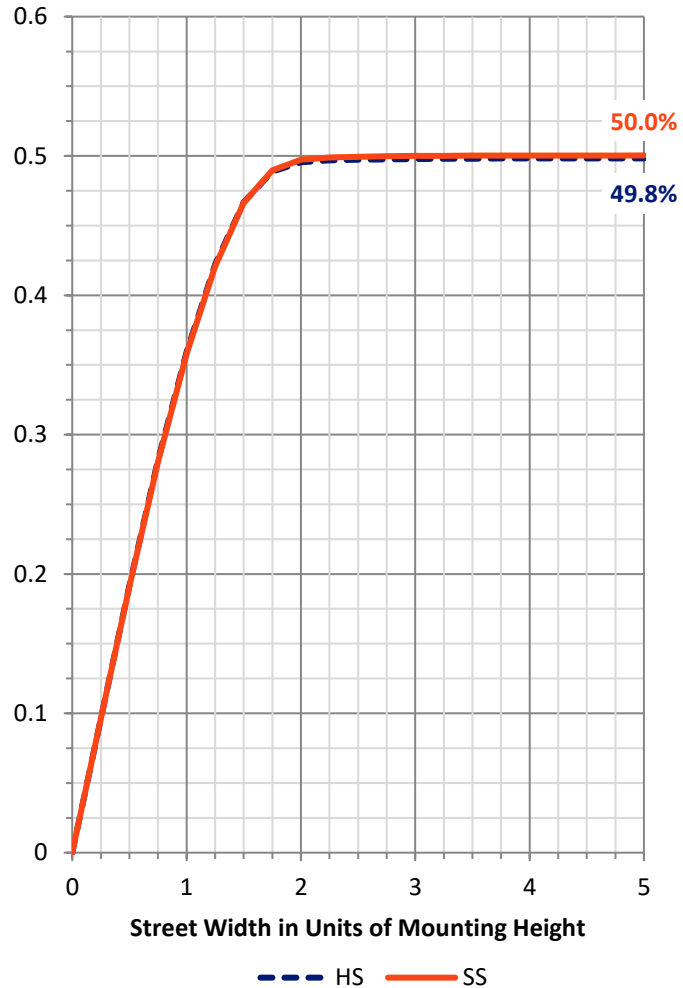
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8447.6	0.0	8447.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8447.6	0.0	8447.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16895.2	0.0	16895.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	1.6
10°-20°	778.5	4.6
20°-30°	1407.2	8.3
30°-40°	2625.2	15.5
40°-50°	4403.8	26.1
50°-60°	5815.6	34.4
60°-70°	1544.5	9.1
70°-80°	54.9	0.3
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°	16895.2	100.0
0°-180°	16895.2	100.0

Coefficient of Utilization



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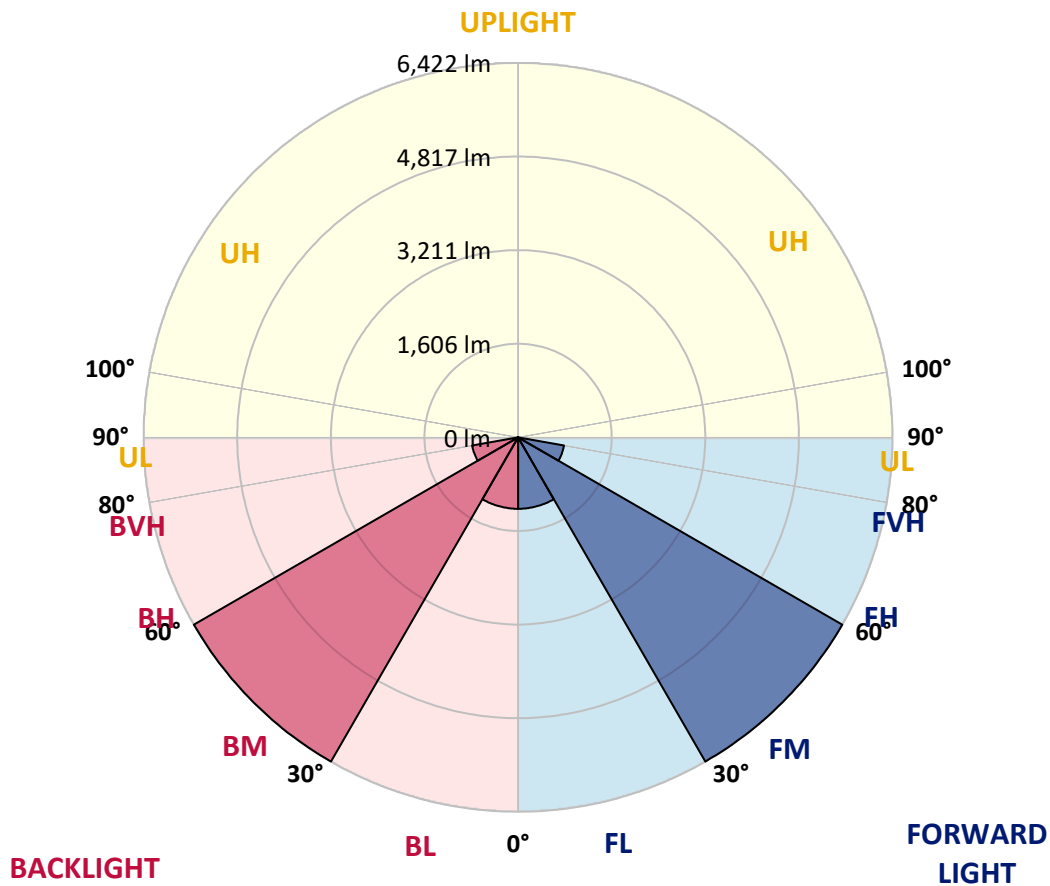
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.1	7.3			
FM (30°-60°)	6422.3	38.0			
FH (60°-80°)	799.7	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1225.1	7.3	B3/2500		
BM (30°-60°)	6422.3	38.0	B4/8500		
BH (60°-80°)	799.7	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°	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0	2809.0
2.5°	2789.2	2787.2	2795.1	2801.0	2801.0	2814.9	2811.0	2807.0	2803.0	2797.1	2811.0
5°	2785.2	2783.2	2789.2	2793.1	2789.2	2801.0	2793.1	2785.2	2781.2	2773.3	2789.2
7.5°	2767.3	2769.3	2773.3	2777.3	2771.3	2781.2	2771.3	2759.4	2749.5	2741.6	2755.5
10°	2739.6	2741.6	2745.5	2753.5	2755.5	2769.3	2755.5	2733.7	2719.8	2707.9	2721.8
12.5°	2725.7	2727.7	2733.7	2743.6	2745.5	2763.4	2745.5	2713.8	2694.0	2680.1	2694.0
15°	2729.7	2733.7	2741.6	2753.5	2757.4	2775.3	2751.5	2709.9	2682.1	2664.3	2676.2
17.5°	2743.6	2747.5	2759.4	2779.2	2793.1	2811.0	2781.2	2727.7	2690.0	2664.3	2676.2
20°	2761.4	2767.3	2787.2	2818.9	2848.6	2880.3	2842.7	2769.3	2719.8	2688.1	2698.0
22.5°	2811.0	2816.9	2844.7	2886.3	2935.8	2975.5	2929.9	2836.7	2769.3	2727.7	2737.6
25°	2912.1	2918.0	2953.7	3007.2	3070.6	3122.2	3064.7	2947.7	2860.5	2812.9	2816.9
27.5°	3070.6	3076.6	3118.2	3193.6	3278.8	3352.1	3268.9	3132.1	3033.0	2977.5	2977.5
30°	3270.9	3278.8	3334.3	3435.4	3568.2	3665.4	3552.4	3385.8	3259.0	3183.6	3185.6
32.5°	3528.6	3520.6	3599.9	3738.7	3927.0	4055.9	3889.4	3687.2	3530.6	3425.5	3435.4
35°	3859.6	3857.6	3946.8	4135.2	4381.0	4535.6	4337.4	4075.7	3887.4	3780.3	3782.3
37.5°	4285.8	4283.8	4386.9	4591.1	4886.5	5015.3	4793.3	4527.7	4325.5	4222.4	4234.3
40°	4785.4	4773.5	4864.7	5060.9	5356.3	5439.5	5197.7	4983.6	4789.3	4723.9	4755.6
42.5°	5261.1	5235.4	5288.9	5467.3	5695.3	5707.2	5524.8	5378.1	5245.3	5193.7	5213.6
45°	5643.7	5623.9	5673.5	5776.5	5907.4	5847.9	5760.7	5715.1	5608.0	5552.5	5570.4
47.5°	5929.2	5929.2	5988.7	6052.1	6071.9	5962.9	5976.8	5976.8	5869.7	5782.5	5760.7
50°	6175.0	6192.8	6282.0	6347.5	6282.0	6143.3	6222.6	6206.7	5988.7	5814.2	5768.6
52.5°	6567.5	6585.3	6722.1	6811.3	6738.0	6601.2	6611.1	6412.9	6091.7	5885.6	5814.2
55°	6983.8	7027.4	7225.6	7463.5	7465.5	7324.8	7063.1	6712.2	6321.7	6097.7	6024.3
57.5°	6438.6	6498.1	6793.5	7366.4	7780.7	7683.6	7059.1	6442.6	5915.3	5610.0	5568.4
60°	4430.5	4533.6	4829.0	5612.0	6410.9	6448.6	5711.1	5019.3	4414.7	4038.0	4046.0
62.5°	1871.3	1976.4	2142.9	2787.2	3520.6	3566.2	3209.4	2713.8	2220.2	1948.6	1990.3
65°	440.1	469.8	519.4	771.1	1118.0	1169.6	1078.4	840.5	620.5	525.3	535.2
67.5°	192.3	196.3	186.3	198.2	245.8	251.8	243.8	214.1	202.2	206.2	206.2
70°	134.8	136.8	128.9	122.9	117.0	109.0	113.0	124.9	134.8	142.7	140.7
72.5°	83.3	85.2	87.2	87.2	81.3	73.3	77.3	85.2	87.2	89.2	87.2
75°	41.6	43.6	47.6	49.6	47.6	45.6	45.6	47.6	47.6	45.6	45.6
77.5°	7.9	9.9	13.9	15.9	15.9	15.9	15.9	15.9	17.8	15.9	15.9
80°	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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)