

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: P639224

Luminaire Tested: GWS-SA5B-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15546.8 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

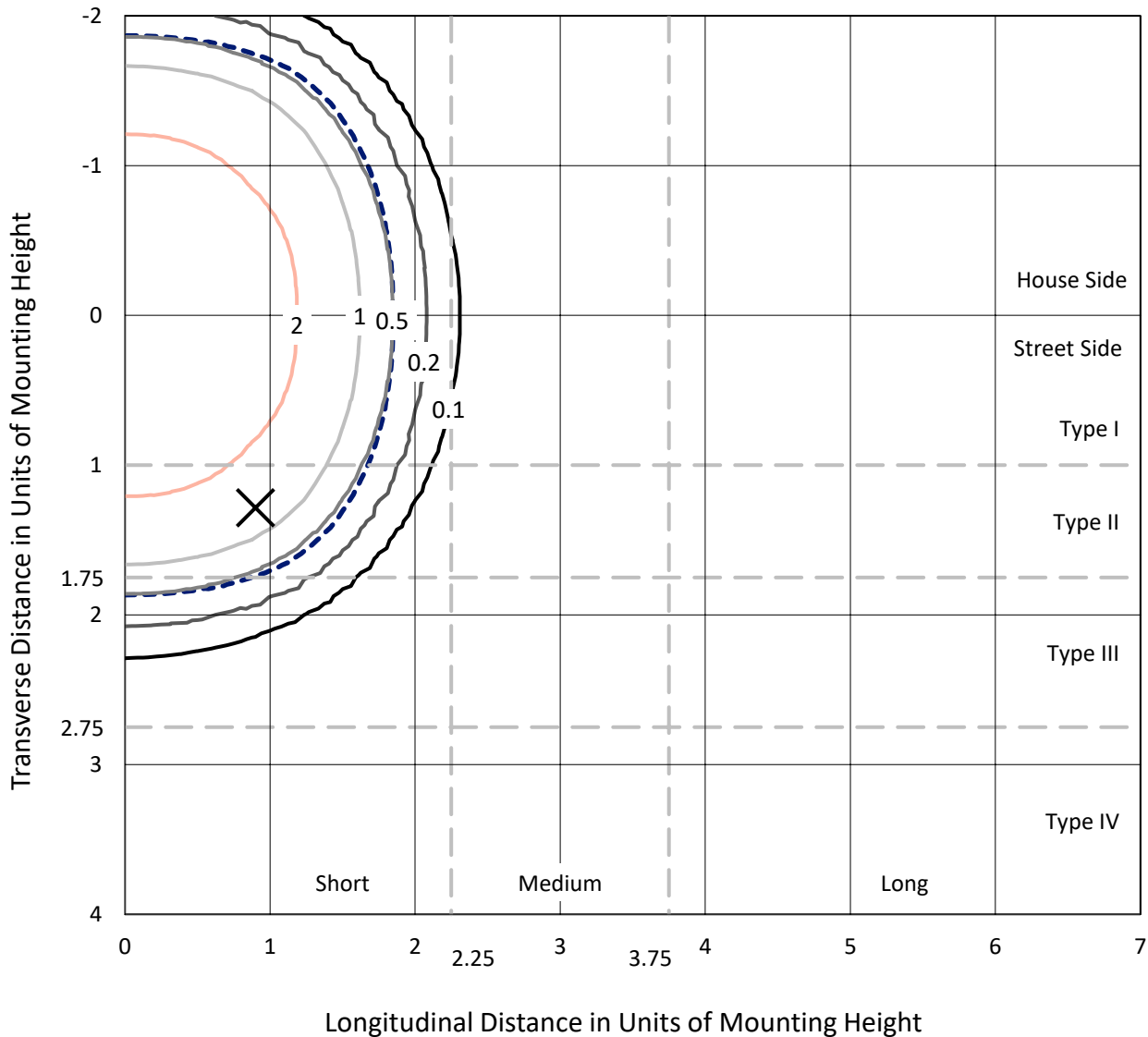
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

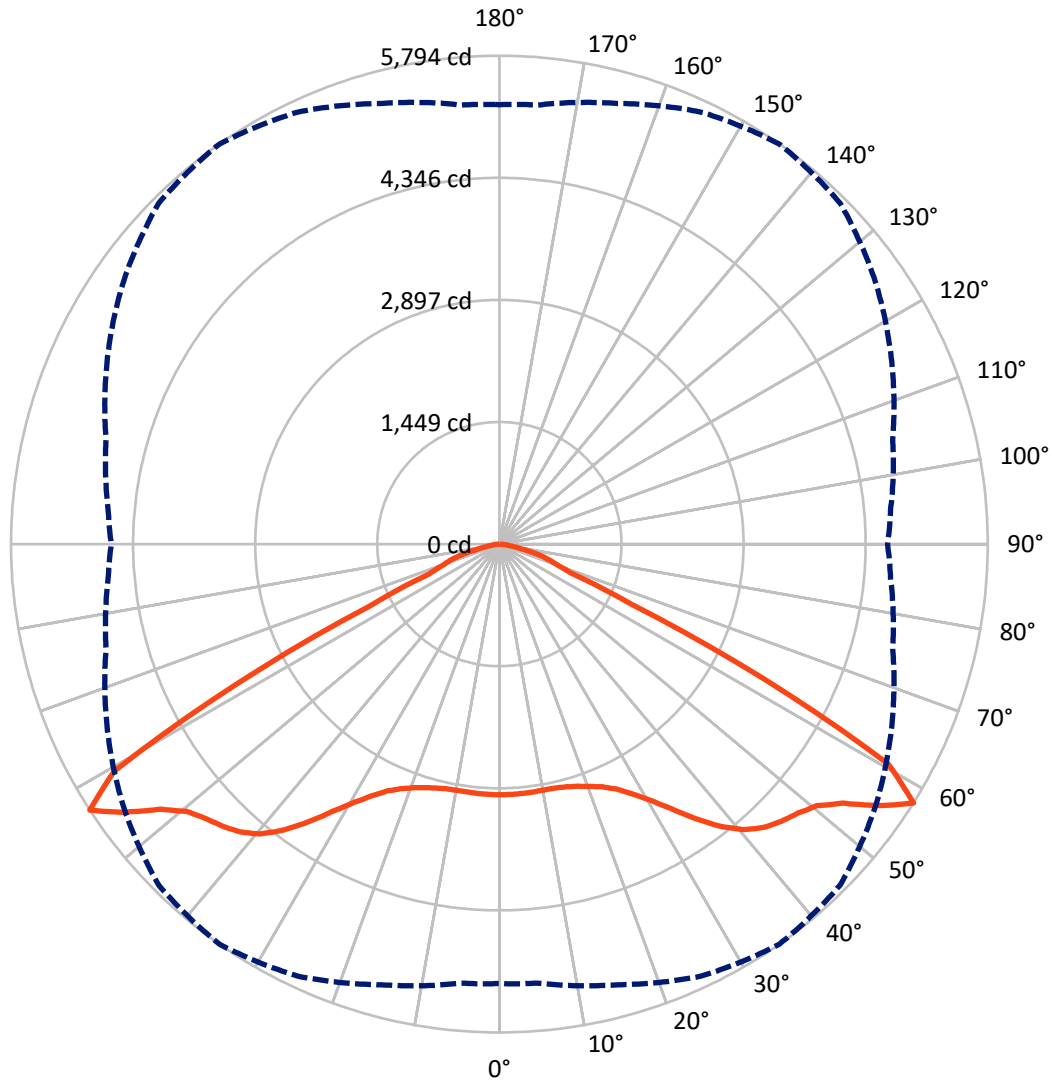
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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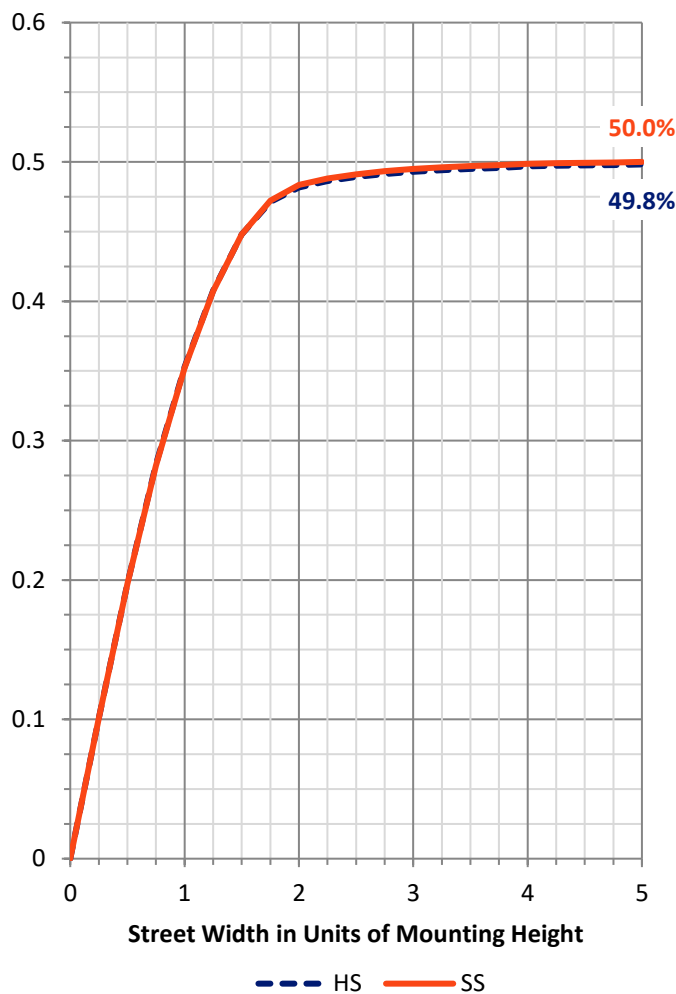
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7773.4	0.0	7773.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7773.4	0.0	7773.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	15546.8	0.0	15546.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	1.8
10°-20°	844.3	5.4
20°-30°	1473.2	9.5
30°-40°	2415.7	15.5
40°-50°	3557.7	22.9
50°-60°	4540.2	29.2
60°-70°	1913.5	12.3
70°-80°	457.1	2.9
80°-90°	62.2	0.4
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°	15546.8	100.0
0°-180°	15546.8	100.0

Coefficient of Utilization



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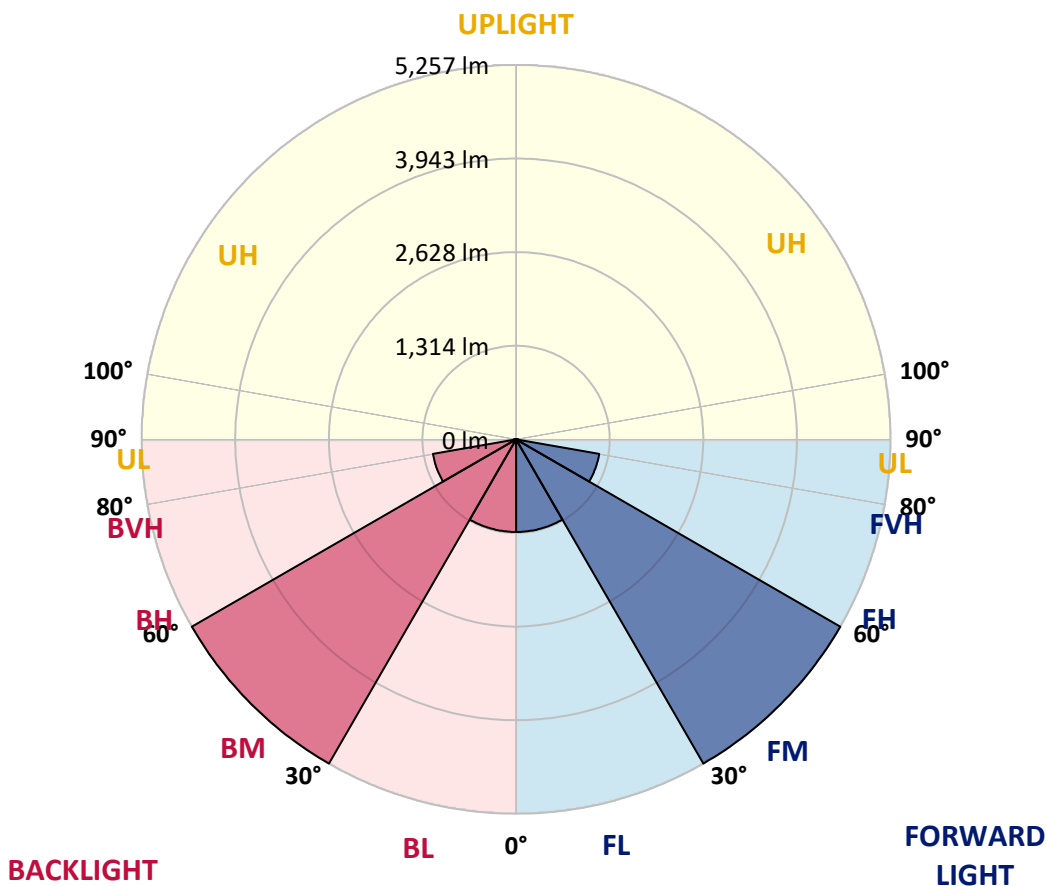
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.2	8.4			
FM (30°-60°)	5256.8	33.8			
FH (60°-80°)	1185.3	7.6			G1/1800
FVH (80°-90°)	31.1	0.2			G1/100
BL (0°-30°)	1300.2	8.4	B3/2500		
BM (30°-60°)	5256.8	33.8	B4/8500		
BH (60°-80°)	1185.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	31.1	0.2			G1/100
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°	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7	2974.7
2.5°	2956.9	2956.9	2963.2	2969.6	2972.2	2983.6	2982.3	2978.5	2976.0	2968.3	2978.5
5°	2963.2	2963.2	2968.3	2972.2	2970.9	2979.8	2976.0	2969.6	2965.8	2958.2	2969.6
7.5°	2962.0	2962.0	2965.8	2969.6	2967.1	2974.7	2968.3	2959.4	2953.1	2945.4	2955.6
10°	2945.4	2948.0	2951.8	2960.7	2964.5	2976.0	2967.1	2953.1	2942.9	2934.0	2944.2
12.5°	2942.9	2945.4	2950.5	2962.0	2968.3	2984.9	2973.4	2950.5	2935.2	2923.8	2934.0
15°	2954.3	2956.9	2964.5	2978.5	2988.7	3006.5	2990.0	2958.2	2936.5	2921.2	2930.2
17.5°	2968.3	2972.2	2983.6	3004.0	3020.5	3039.6	3019.3	2981.1	2950.5	2930.2	2937.8
20°	2983.6	2988.7	3006.5	3037.1	3067.6	3091.8	3066.3	3015.4	2978.5	2951.8	2959.4
22.5°	3010.3	3016.7	3039.6	3082.9	3128.7	3164.4	3132.5	3063.8	3015.4	2981.1	2987.4
25°	3065.1	3072.7	3102.0	3154.2	3219.1	3262.4	3217.8	3140.2	3072.7	3030.7	3037.1
27.5°	3161.8	3165.6	3203.8	3272.6	3352.7	3402.4	3348.9	3257.3	3182.2	3133.8	3138.9
30°	3289.1	3300.6	3338.7	3429.1	3524.6	3590.8	3520.8	3412.6	3326.0	3267.5	3272.6
32.5°	3444.4	3452.0	3509.3	3603.5	3741.0	3817.3	3721.9	3593.3	3488.9	3417.7	3422.8
35°	3648.1	3654.4	3709.1	3828.8	3995.5	4066.8	3957.4	3809.7	3688.8	3621.3	3640.4
37.5°	3891.2	3902.6	3942.1	4060.5	4246.3	4316.3	4190.3	4052.8	3926.8	3864.4	3878.4
40°	4152.1	4150.8	4182.7	4287.0	4456.3	4499.6	4386.3	4276.9	4168.7	4127.9	4150.8
42.5°	4376.1	4369.8	4392.7	4479.2	4596.3	4600.2	4525.1	4464.0	4387.6	4359.6	4381.2
45°	4532.7	4535.2	4569.6	4629.4	4689.3	4657.4	4634.5	4624.3	4564.5	4526.3	4530.2
47.5°	4656.2	4666.3	4721.1	4761.8	4769.5	4716.0	4747.8	4763.1	4713.4	4654.9	4638.3
50°	4765.6	4782.2	4853.5	4896.7	4880.2	4812.7	4875.1	4898.0	4788.5	4676.5	4643.4
52.5°	4964.2	4983.3	5069.8	5125.9	5106.8	5039.3	5097.9	5016.4	4831.8	4694.4	4652.3
55°	5281.1	5290.1	5395.7	5487.4	5478.4	5395.7	5348.6	5167.9	4943.8	4801.3	4761.8
57.5°	5213.7	5229.0	5412.3	5656.6	5794.1	5719.0	5442.8	5134.8	4830.5	4658.7	4605.3
60°	4102.5	4139.4	4367.2	4797.5	5301.5	5300.2	4787.3	4308.7	3942.1	3714.2	3691.3
62.5°	2395.5	2421.0	2628.5	3063.8	3515.7	3543.7	3183.5	2855.1	2534.3	2380.3	2306.4
65°	1134.1	1132.9	1215.6	1411.6	1717.1	1741.3	1633.1	1453.6	1264.0	1211.8	1197.8
67.5°	837.5	837.5	831.2	845.2	903.7	916.5	903.7	874.5	856.6	868.1	860.5
70°	726.8	728.1	720.4	716.6	716.6	712.8	717.9	729.4	737.0	752.3	744.6
72.5°	589.3	590.6	590.6	591.9	593.2	588.1	595.7	602.1	603.3	608.4	603.3
75°	418.8	421.3	429.0	435.3	440.4	440.4	443.0	444.2	439.1	445.5	435.3
77.5°	230.4	232.9	246.9	258.4	269.8	271.1	274.9	277.5	274.9	280.0	272.4
80°	127.3	129.8	136.2	141.3	150.2	157.8	162.9	165.5	165.5	169.3	165.5
82.5°	72.6	75.1	78.9	81.5	89.1	95.5	100.6	104.4	104.4	105.6	103.1
85°	34.4	34.4	36.9	39.5	43.3	45.8	52.2	56.0	56.0	58.6	56.0
87.5°	5.1	6.4	7.6	7.6	10.2	12.7	15.3	16.5	19.1	20.4	20.4
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)