

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: P635374

Luminaire Tested: GWS-SA3D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635374
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-SA3D-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15545.8 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

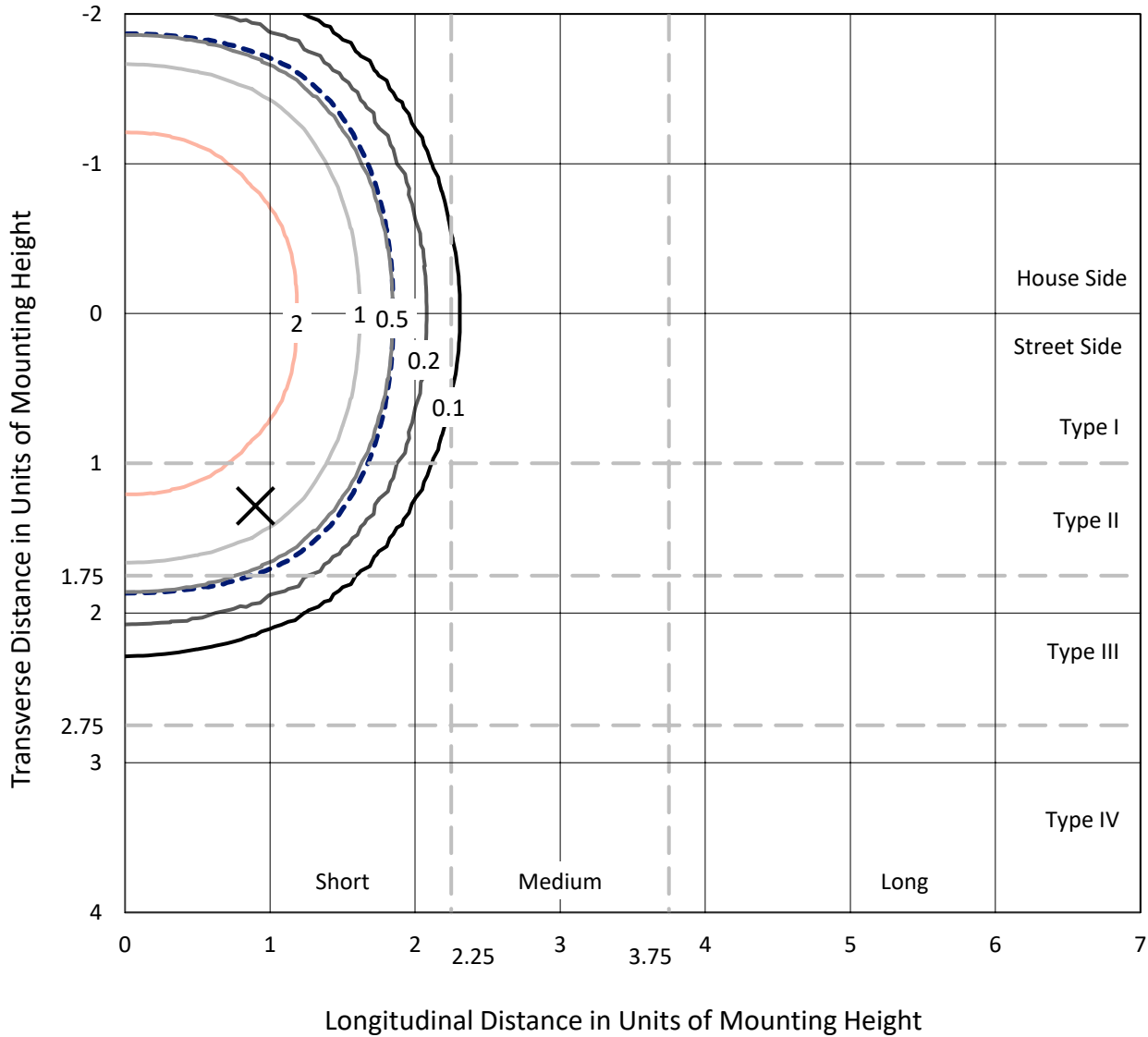
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

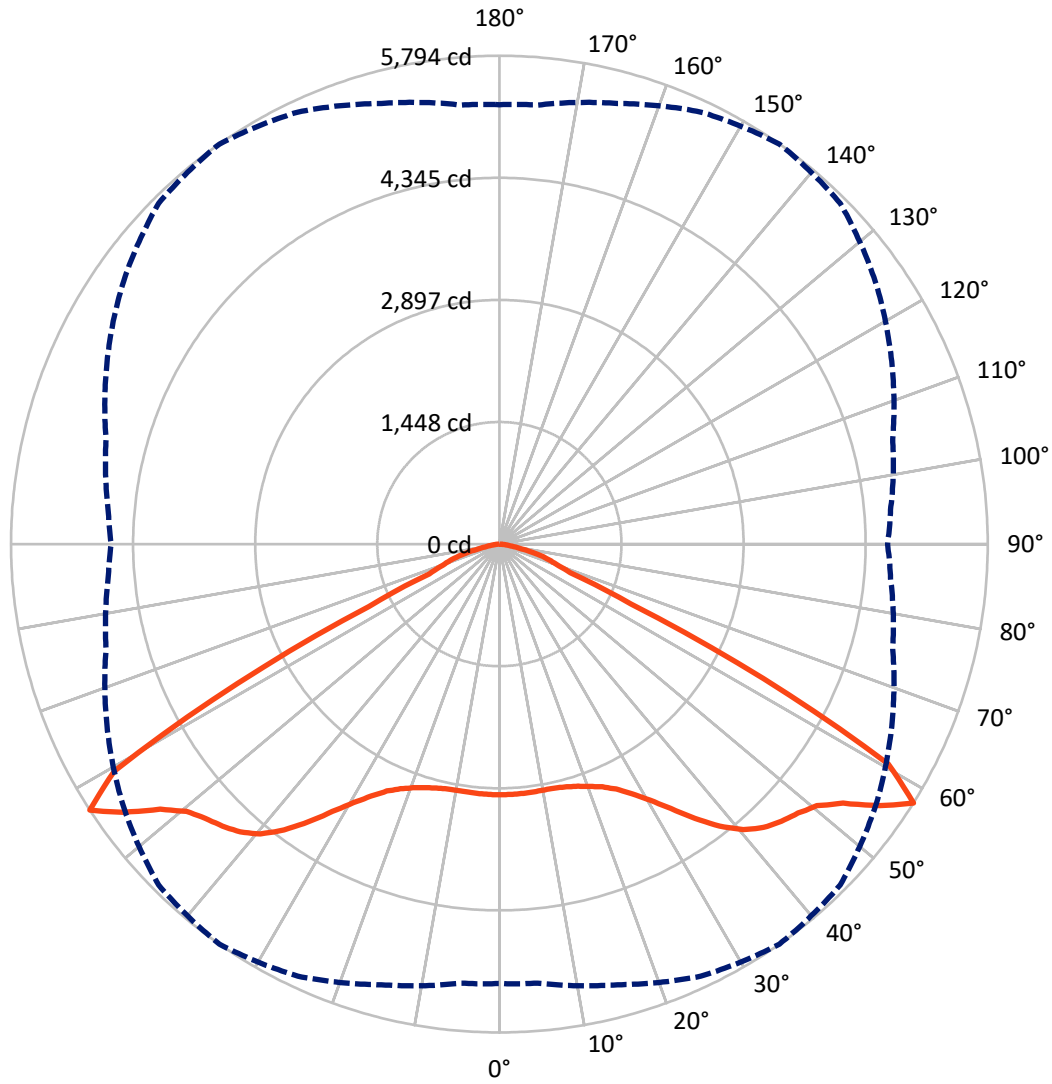
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	7772.9	0.0	7772.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7772.9	0.0	7772.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15545.8	0.0	15545.8
	% 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°	1473.1	9.5
30°-40°	2415.5	15.5
40°-50°	3557.5	22.9
50°-60°	4539.9	29.2
60°-70°	1913.3	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°	15545.8	100.0
0°-180°	15545.8	100.0

Coefficient of Utilization



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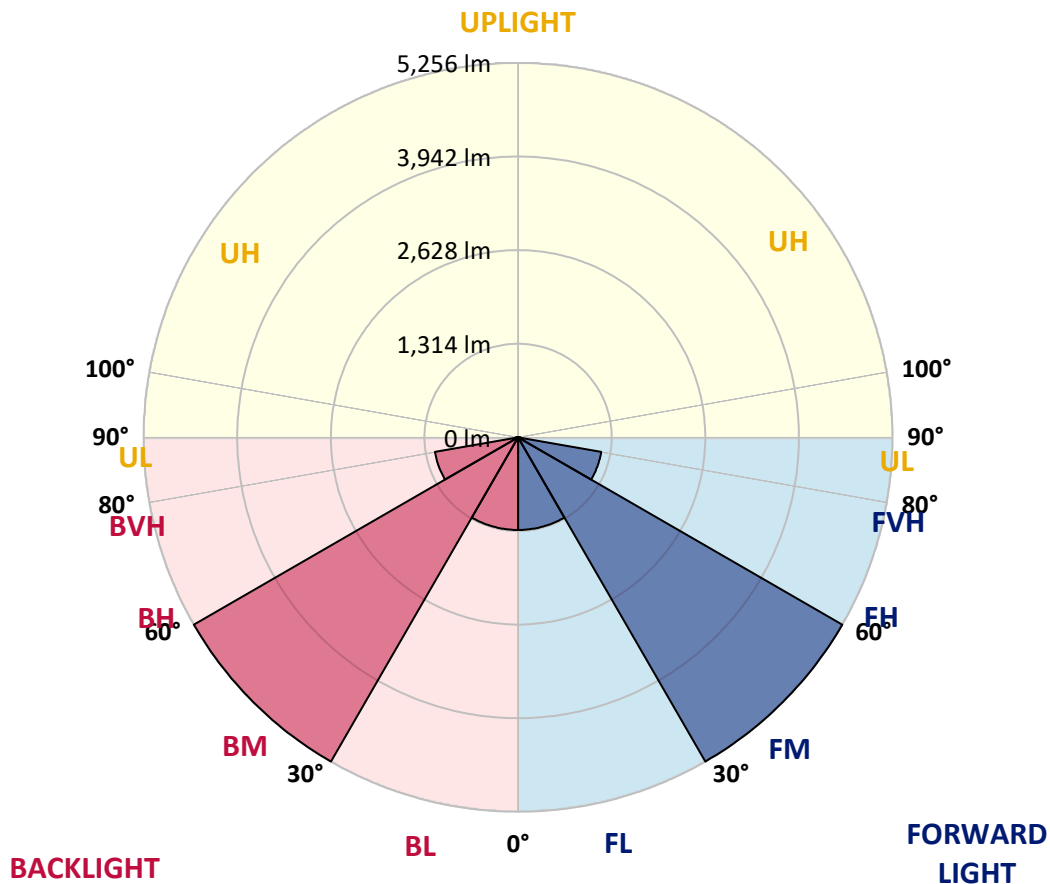
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.1	8.4			
FM (30°-60°)	5256.5	33.8			
FH (60°-80°)	1185.2	7.6			G1/1800
FVH (80°-90°)	31.1	0.2			G1/100
BL (0°-30°)	1300.1	8.4	B3/2500		
BM (30°-60°)	5256.5	33.8	B4/8500		
BH (60°-80°)	1185.2	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°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2956.7	2956.7	2963.1	2969.4	2972.0	2983.4	2982.1	2978.3	2975.8	2968.1	2978.3
5°	2963.1	2963.1	2968.1	2972.0	2970.7	2979.6	2975.8	2969.4	2965.6	2958.0	2969.4
7.5°	2961.8	2961.8	2965.6	2969.4	2966.9	2974.5	2968.1	2959.2	2952.9	2945.2	2955.4
10°	2945.2	2947.8	2951.6	2960.5	2964.3	2975.8	2966.9	2952.9	2942.7	2933.8	2944.0
12.5°	2942.7	2945.2	2950.3	2961.8	2968.1	2984.7	2973.2	2950.3	2935.1	2923.6	2933.8
15°	2954.1	2956.7	2964.3	2978.3	2988.5	3006.3	2989.8	2958.0	2936.3	2921.1	2930.0
17.5°	2968.1	2972.0	2983.4	3003.8	3020.3	3039.4	3019.1	2980.9	2950.3	2930.0	2937.6
20°	2983.4	2988.5	3006.3	3036.9	3067.4	3091.6	3066.2	3015.2	2978.3	2951.6	2959.2
22.5°	3010.1	3016.5	3039.4	3082.7	3128.5	3164.2	3132.3	3063.6	3015.2	2980.9	2987.2
25°	3064.9	3072.5	3101.8	3154.0	3218.9	3262.2	3217.6	3140.0	3072.5	3030.5	3036.9
27.5°	3161.6	3165.4	3203.6	3272.3	3352.5	3402.2	3348.7	3257.1	3182.0	3133.6	3138.7
30°	3288.9	3300.3	3338.5	3428.9	3524.4	3590.5	3520.5	3412.4	3325.8	3267.3	3272.3
32.5°	3444.2	3451.8	3509.1	3603.3	3740.7	3817.1	3721.6	3593.1	3488.7	3417.4	3422.5
35°	3647.8	3654.2	3708.9	3828.6	3995.3	4066.6	3957.1	3809.5	3688.5	3621.1	3640.2
37.5°	3890.9	3902.4	3941.8	4060.2	4246.0	4316.0	4190.0	4052.6	3926.6	3864.2	3878.2
40°	4151.8	4150.6	4182.4	4286.8	4456.0	4499.3	4386.0	4276.6	4168.4	4127.7	4150.6
42.5°	4375.9	4369.5	4392.4	4478.9	4596.0	4599.9	4524.8	4463.7	4387.3	4359.3	4380.9
45°	4532.4	4535.0	4569.3	4629.1	4689.0	4657.1	4634.2	4624.0	4564.2	4526.0	4529.9
47.5°	4655.9	4666.0	4720.8	4761.5	4769.1	4715.7	4747.5	4762.8	4713.1	4654.6	4638.0
50°	4765.3	4781.9	4853.1	4896.4	4879.9	4812.4	4874.8	4897.7	4788.2	4676.2	4643.1
52.5°	4963.9	4983.0	5069.5	5125.5	5106.4	5039.0	5097.5	5016.1	4831.5	4694.1	4652.0
55°	5280.8	5289.7	5395.4	5487.0	5478.1	5395.4	5348.3	5167.5	4943.5	4801.0	4761.5
57.5°	5213.3	5228.6	5411.9	5656.3	5793.7	5718.6	5442.5	5134.4	4830.2	4658.4	4605.0
60°	4102.2	4139.1	4366.9	4797.1	5301.2	5299.9	4787.0	4308.4	3941.8	3714.0	3691.1
62.5°	2395.4	2420.8	2628.3	3063.6	3515.4	3543.4	3183.2	2854.9	2534.1	2380.1	2306.3
65°	1134.1	1132.8	1215.5	1411.5	1717.0	1741.2	1633.0	1453.5	1263.9	1211.7	1197.7
67.5°	837.5	837.5	831.1	845.1	903.7	916.4	903.7	874.4	856.6	868.0	860.4
70°	726.8	728.0	720.4	716.6	716.6	712.8	717.9	729.3	736.9	752.2	744.6
72.5°	589.3	590.6	590.6	591.8	593.1	588.0	595.7	602.0	603.3	608.4	603.3
75°	418.7	421.3	428.9	435.3	440.4	440.4	442.9	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°	72.5	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	58.5	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)