

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: P635377

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 16095.6 lumens
Efficiency: N/A
Efficacy: 133.2 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

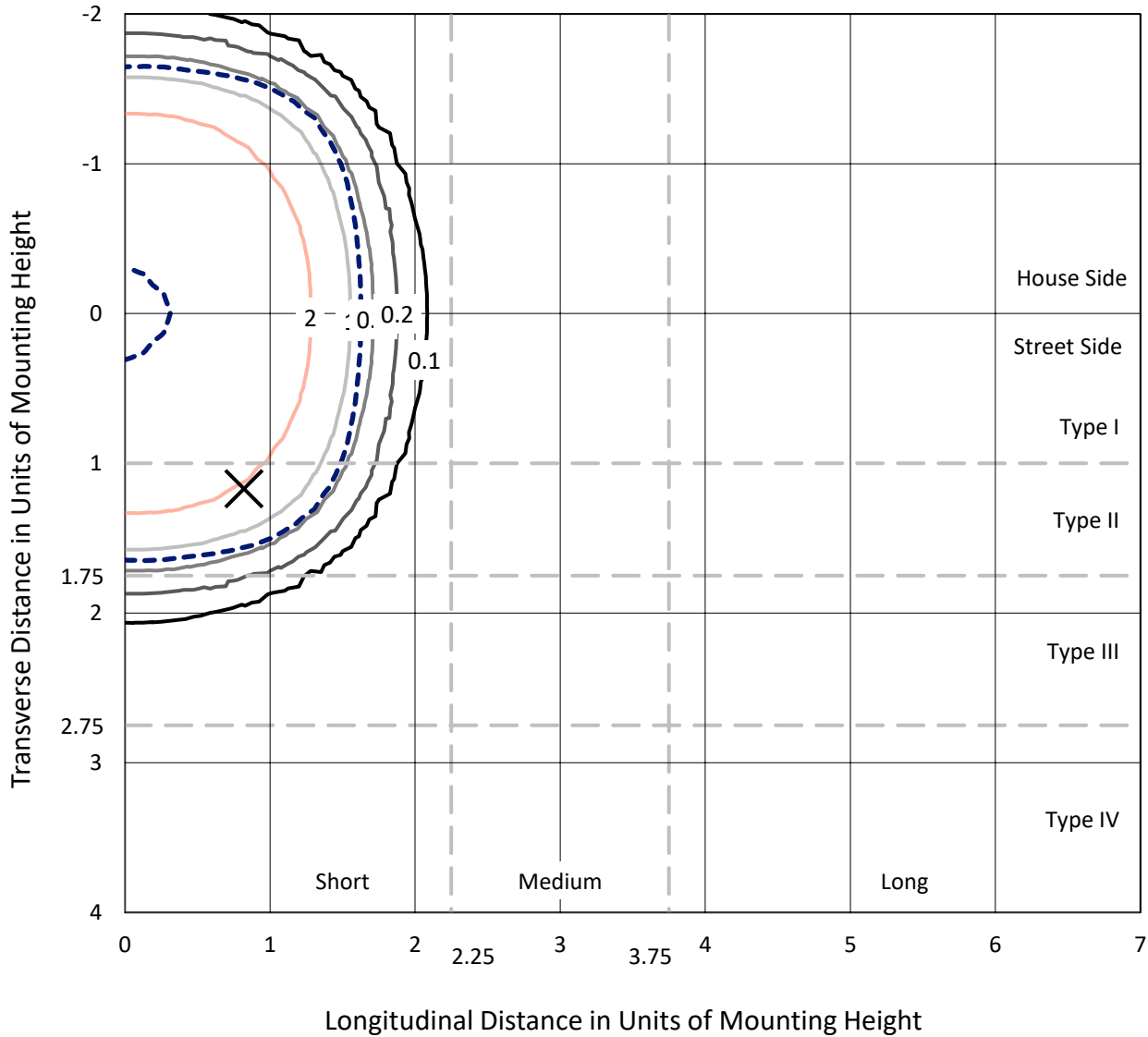
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

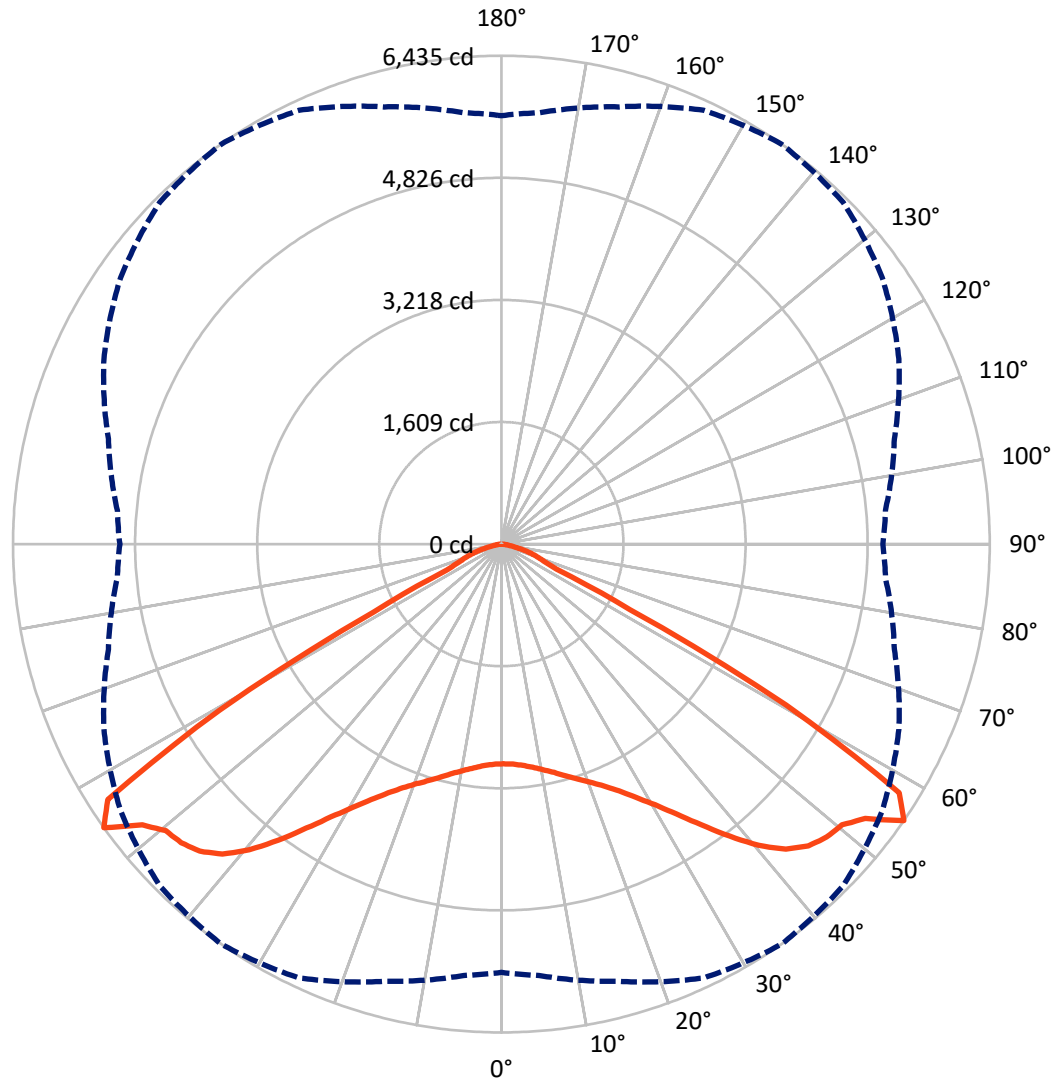
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8047.8	0.0	8047.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8047.8	0.0	8047.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16095.6	0.0	16095.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	1.8
10°-20°	899.2	5.6
20°-30°	1664.3	10.3
30°-40°	2784.0	17.3
40°-50°	4242.3	26.4
50°-60°	4752.3	29.5
60°-70°	1124.4	7.0
70°-80°	303.2	1.9
80°-90°	43.6	0.3
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°	16095.6	100.0
0°-180°	16095.6	100.0

Coefficient of Utilization



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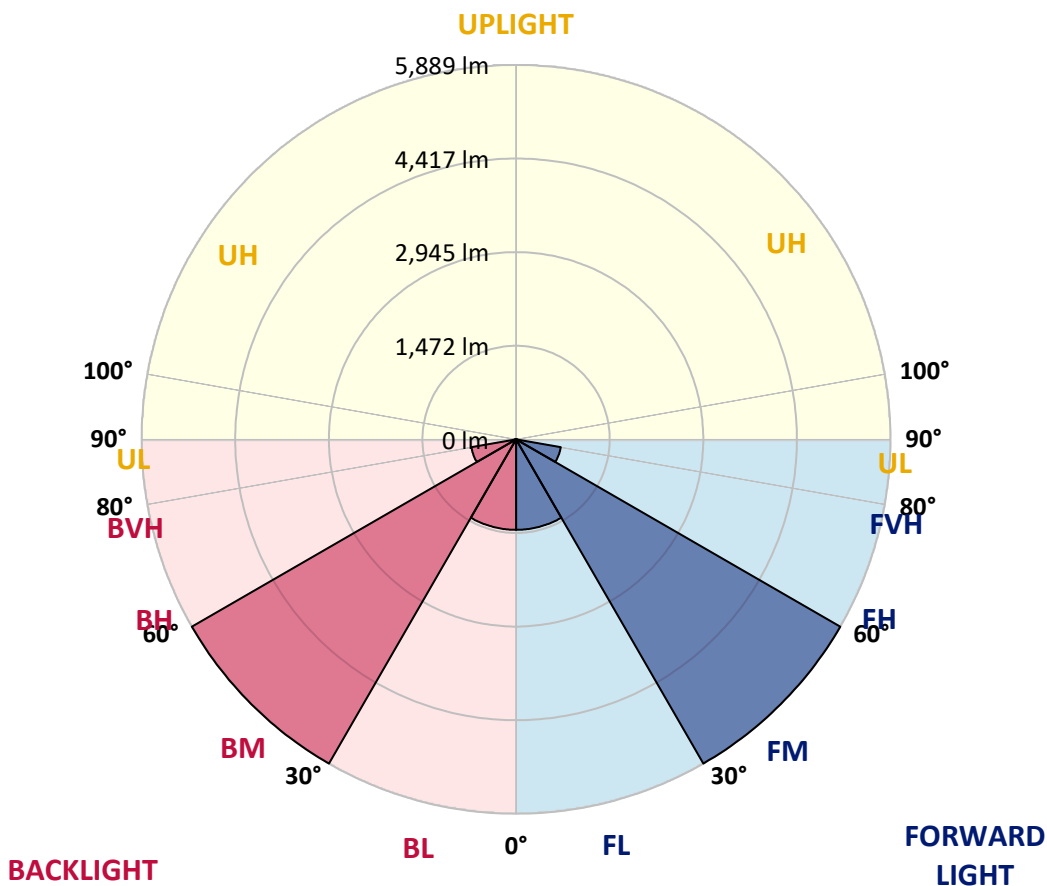
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.9	8.8			
FM (30°-60°)	5889.3	36.6			
FH (60°-80°)	713.8	4.4			G1/1800
FVH (80°-90°)	21.8	0.1			G1/100
BL (0°-30°)	1422.9	8.8	B3/2500		
BM (30°-60°)	5889.3	36.6	B4/8500		
BH (60°-80°)	713.8	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.8	0.1			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°	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6	2895.6
2.5°	2889.3	2889.3	2894.4	2900.7	2902.0	2914.7	2912.2	2907.1	2904.6	2899.5	2910.9
5°	2921.1	2922.4	2926.2	2930.0	2927.5	2937.6	2933.8	2927.5	2923.6	2917.3	2928.7
7.5°	2963.1	2963.1	2966.9	2972.0	2969.5	2984.7	2977.1	2968.2	2961.8	2954.2	2964.4
10°	3001.3	3003.8	3007.6	3017.8	3022.9	3039.5	3034.4	3021.6	3011.5	3002.6	3014.0
12.5°	3058.6	3061.1	3064.9	3078.9	3087.8	3104.4	3096.7	3078.9	3063.7	3050.9	3063.7
15°	3132.4	3129.8	3140.0	3157.8	3169.3	3184.6	3175.7	3145.1	3124.7	3108.2	3120.9
17.5°	3207.5	3206.2	3216.4	3239.3	3255.8	3276.2	3260.9	3225.3	3203.7	3183.3	3196.0
20°	3288.9	3292.8	3302.9	3324.6	3348.8	3375.5	3362.8	3324.6	3300.4	3277.5	3287.7
22.5°	3389.5	3390.8	3402.2	3430.2	3462.0	3487.5	3479.9	3432.8	3402.2	3378.0	3390.8
25°	3510.4	3509.1	3524.4	3557.5	3602.1	3627.5	3611.0	3558.8	3525.7	3497.7	3507.9
27.5°	3649.1	3647.9	3670.8	3714.1	3777.7	3813.3	3779.0	3714.1	3668.2	3628.8	3637.7
30°	3823.5	3819.7	3845.2	3903.7	3986.4	4046.3	3995.3	3905.0	3845.2	3803.2	3812.1
32.5°	4017.0	4022.1	4053.9	4132.8	4237.2	4314.8	4238.5	4137.9	4057.7	3996.6	4006.8
35°	4229.5	4229.5	4294.5	4392.5	4541.4	4644.5	4526.1	4381.0	4274.1	4190.1	4192.6
37.5°	4466.3	4468.8	4554.1	4689.0	4883.8	5004.7	4844.3	4664.8	4535.0	4444.7	4439.6
40°	4755.2	4762.9	4850.7	5000.9	5219.8	5330.5	5158.7	4983.0	4850.7	4743.8	4733.6
42.5°	5081.1	5083.6	5176.5	5311.4	5496.0	5562.2	5427.3	5283.4	5175.2	5078.5	5068.3
45°	5391.6	5385.3	5465.4	5566.0	5672.9	5679.3	5604.2	5545.6	5451.4	5368.7	5353.4
47.5°	5633.5	5628.4	5700.9	5755.6	5768.4	5706.0	5730.2	5739.1	5629.6	5517.6	5488.4
50°	5781.1	5791.3	5860.0	5890.6	5815.5	5713.6	5805.3	5782.4	5625.8	5479.4	5432.4
52.5°	5870.2	5885.5	6005.1	6082.8	6005.1	5908.4	5921.1	5786.2	5560.9	5367.4	5306.3
55°	5644.9	5706.0	5964.4	6308.0	6435.3	6367.9	6126.0	5778.6	5361.1	5079.8	5027.6
57.5°	4183.7	4280.5	4663.6	5408.2	6182.0	6427.7	5721.3	4844.3	4211.7	3850.2	3819.7
60°	2135.8	2244.0	2550.7	3315.7	4311.0	4657.2	3985.2	3101.8	2465.4	2172.7	2139.6
62.5°	871.9	889.7	990.2	1285.5	1905.4	2198.1	1930.9	1355.5	1018.2	938.1	939.3
65°	686.0	689.9	684.8	702.6	798.1	885.9	818.4	719.1	701.3	710.2	703.9
67.5°	598.2	599.5	595.7	595.7	599.5	595.7	603.3	607.1	609.7	619.9	613.5
70°	500.2	501.5	501.5	504.0	502.8	496.4	507.9	512.9	514.2	520.6	516.8
72.5°	386.9	390.8	393.3	394.6	393.3	389.5	395.8	404.8	403.5	409.8	403.5
75°	262.2	267.3	269.8	274.9	273.7	273.7	281.3	285.1	281.3	286.4	281.3
77.5°	148.9	152.7	160.4	165.5	170.6	174.4	179.5	182.0	180.7	183.3	180.7
80°	86.6	87.8	94.2	96.7	103.1	109.5	114.6	117.1	118.4	119.6	118.4
82.5°	49.6	50.9	53.5	56.0	61.1	66.2	71.3	75.1	75.1	76.4	75.1
85°	24.2	24.2	25.5	26.7	29.3	33.1	36.9	40.7	42.0	42.0	42.0
87.5°	3.8	3.8	5.1	5.1	6.4	7.6	10.2	12.7	14.0	14.0	14.0
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)