

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: P635212

Luminaire Tested: GWS-SA3D-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635212
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15735.1 lumens
Efficiency: N/A
Efficacy: 130.3 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

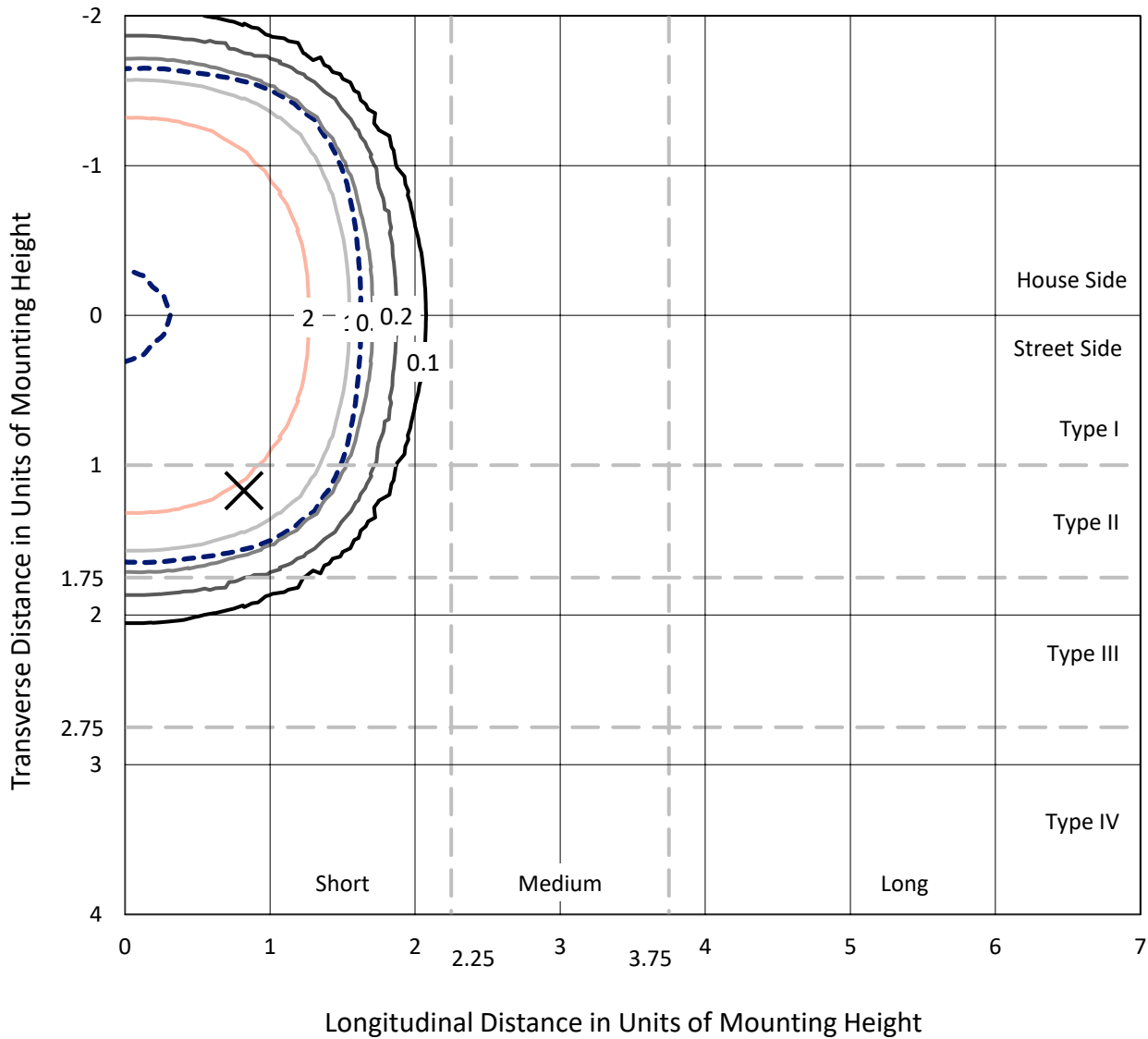
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

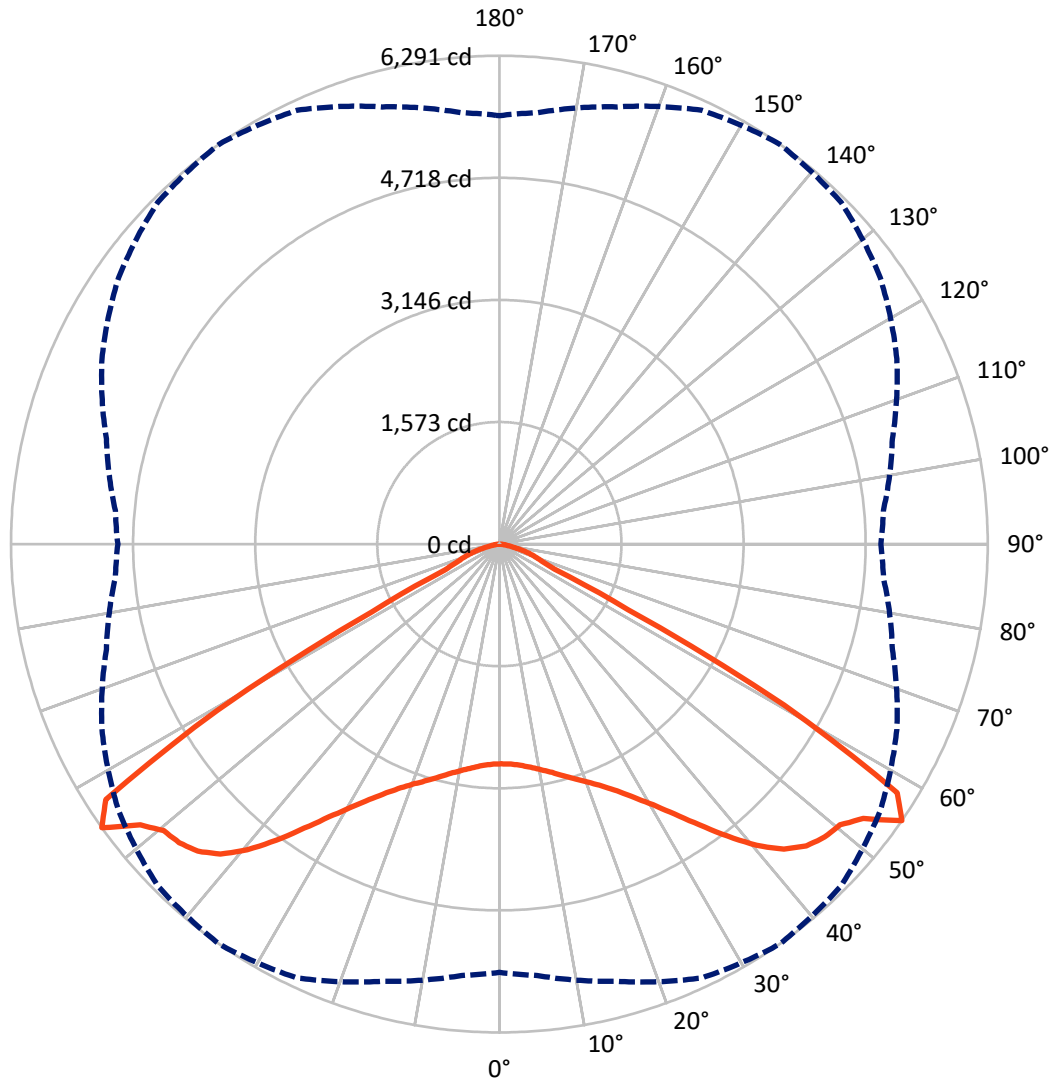
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	7867.6	0.0	7867.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7867.6	0.0	7867.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15735.1	0.0	15735.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.1	1.8
10°-20°	879.1	5.6
20°-30°	1627.0	10.3
30°-40°	2721.6	17.3
40°-50°	4147.3	26.4
50°-60°	4645.8	29.5
60°-70°	1099.2	7.0
70°-80°	296.4	1.9
80°-90°	42.7	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°	15735.1	100.0
0°-180°	15735.1	100.0

Coefficient of Utilization



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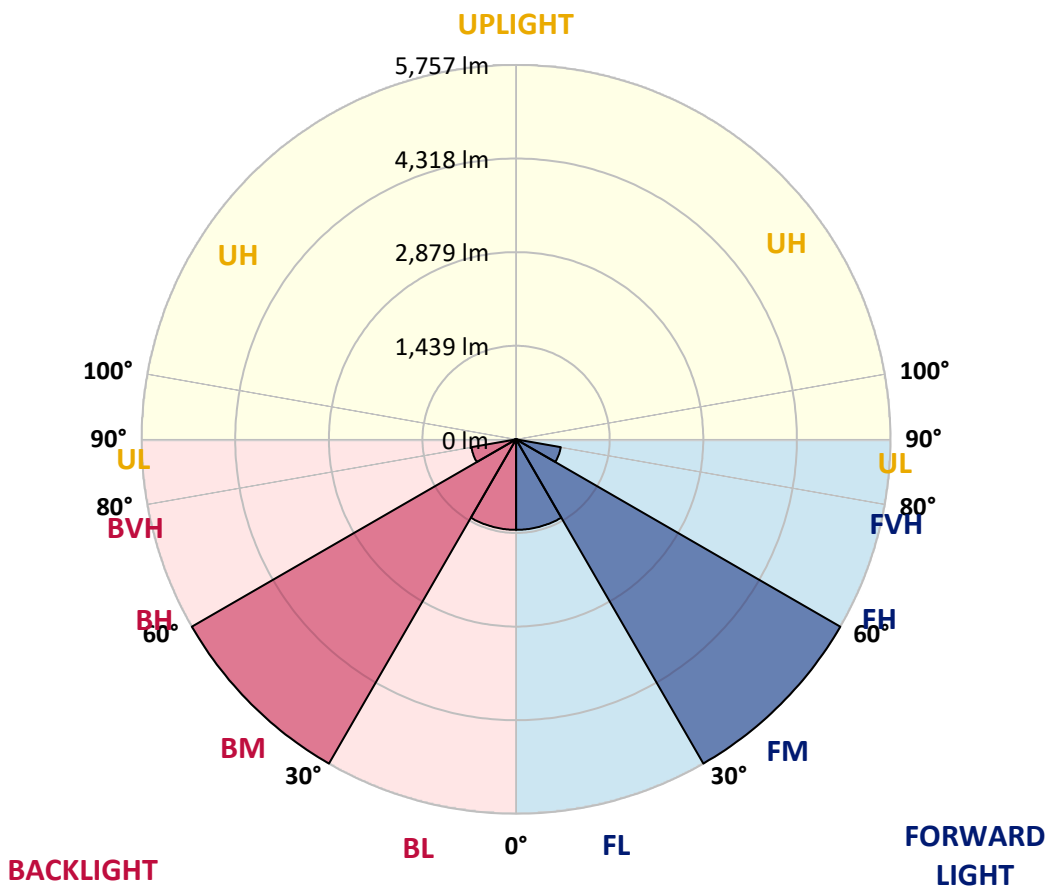
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.1	8.8			
FM (30°-60°)	5757.3	36.6			
FH (60°-80°)	697.8	4.4			G1/1800
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1391.1	8.8	B3/2500		
BM (30°-60°)	5757.3	36.6	B4/8500		
BH (60°-80°)	697.8	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.3	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°	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8	2830.8
2.5°	2824.6	2824.6	2829.5	2835.8	2837.0	2849.5	2847.0	2842.0	2839.5	2834.5	2845.7
5°	2855.7	2856.9	2860.6	2864.4	2861.9	2871.8	2868.1	2861.9	2858.2	2851.9	2863.1
7.5°	2896.7	2896.7	2900.5	2905.4	2903.0	2917.9	2910.4	2901.7	2895.5	2888.0	2898.0
10°	2934.1	2936.6	2940.3	2950.2	2955.2	2971.4	2966.4	2954.0	2944.0	2935.3	2946.5
12.5°	2990.1	2992.5	2996.3	3010.0	3018.7	3034.9	3027.4	3010.0	2995.0	2982.6	2995.0
15°	3062.2	3059.7	3069.7	3087.1	3098.3	3113.2	3104.5	3074.7	3054.8	3038.6	3051.0
17.5°	3135.6	3134.4	3144.4	3166.7	3182.9	3202.8	3187.9	3153.1	3131.9	3112.0	3124.4
20°	3215.3	3219.0	3229.0	3250.1	3273.8	3299.9	3287.4	3250.1	3226.5	3204.1	3214.0
22.5°	3313.6	3314.8	3326.0	3353.4	3384.5	3409.4	3401.9	3355.9	3326.0	3302.4	3314.8
25°	3431.8	3430.5	3445.5	3477.8	3521.4	3546.3	3530.1	3479.1	3446.7	3419.3	3429.3
27.5°	3567.4	3566.2	3588.6	3630.9	3693.1	3727.9	3694.3	3630.9	3586.1	3547.5	3556.2
30°	3737.9	3734.1	3759.0	3816.3	3897.2	3955.6	3905.9	3817.5	3759.0	3718.0	3726.7
32.5°	3927.0	3932.0	3963.1	4040.2	4142.3	4218.2	4143.5	4045.2	3966.8	3907.1	3917.1
35°	4134.8	4134.8	4198.3	4294.1	4439.7	4540.5	4424.7	4282.9	4178.4	4096.2	4098.7
37.5°	4366.3	4368.7	4452.1	4584.0	4774.4	4892.6	4735.8	4560.4	4433.4	4345.1	4340.1
40°	4648.7	4656.2	4742.0	4888.9	5102.9	5211.1	5043.2	4871.4	4742.0	4637.5	4627.6
42.5°	4967.3	4969.7	5060.6	5192.5	5372.9	5437.6	5305.7	5165.1	5059.3	4964.8	4954.8
45°	5270.9	5264.6	5343.0	5441.3	5545.9	5552.1	5478.7	5421.4	5329.3	5248.5	5233.5
47.5°	5507.3	5502.3	5573.2	5626.7	5639.2	5578.2	5601.8	5610.6	5503.5	5394.0	5365.4
50°	5651.6	5661.6	5728.8	5758.6	5685.2	5585.7	5675.3	5652.9	5499.8	5356.7	5310.7
52.5°	5738.7	5753.7	5870.6	5946.5	5870.6	5776.0	5788.5	5656.6	5436.4	5247.2	5187.5
55°	5518.5	5578.2	5830.8	6166.8	6291.2	6225.2	5988.8	5649.1	5241.0	4966.0	4915.0
57.5°	4090.0	4184.6	4559.1	5287.0	6043.6	6283.7	5593.1	4735.8	4117.4	3764.0	3734.1
60°	2087.9	2193.7	2493.6	3241.4	4214.5	4552.9	3895.9	3032.4	2410.2	2124.0	2091.7
62.5°	852.3	869.8	968.1	1256.7	1862.7	2148.9	1887.6	1325.2	995.4	917.1	918.3
65°	670.7	674.4	669.4	686.9	780.2	866.0	800.1	703.0	685.6	694.3	688.1
67.5°	584.8	586.1	582.3	582.3	586.1	582.3	589.8	593.5	596.0	606.0	599.8
70°	489.0	490.3	490.3	492.7	491.5	485.3	496.5	501.5	502.7	508.9	505.2
72.5°	378.3	382.0	384.5	385.7	384.5	380.8	387.0	395.7	394.4	400.7	394.4
75°	256.3	261.3	263.8	268.8	267.5	267.5	275.0	278.7	275.0	280.0	275.0
77.5°	145.6	149.3	156.8	161.8	166.7	170.5	175.4	177.9	176.7	179.2	176.7
80°	84.6	85.9	92.1	94.6	100.8	107.0	112.0	114.5	115.7	117.0	115.7
82.5°	48.5	49.8	52.3	54.7	59.7	64.7	69.7	73.4	73.4	74.7	73.4
85°	23.6	23.6	24.9	26.1	28.6	32.4	36.1	39.8	41.1	41.1	41.1
87.5°	3.7	3.7	5.0	5.0	6.2	7.5	10.0	12.4	13.7	13.7	13.7
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)