

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: P635982

Luminaire Tested: GWS-SA3E-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635982
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-SA3E-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15837.4 lumens
Efficiency: N/A
Efficacy: 99.5 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

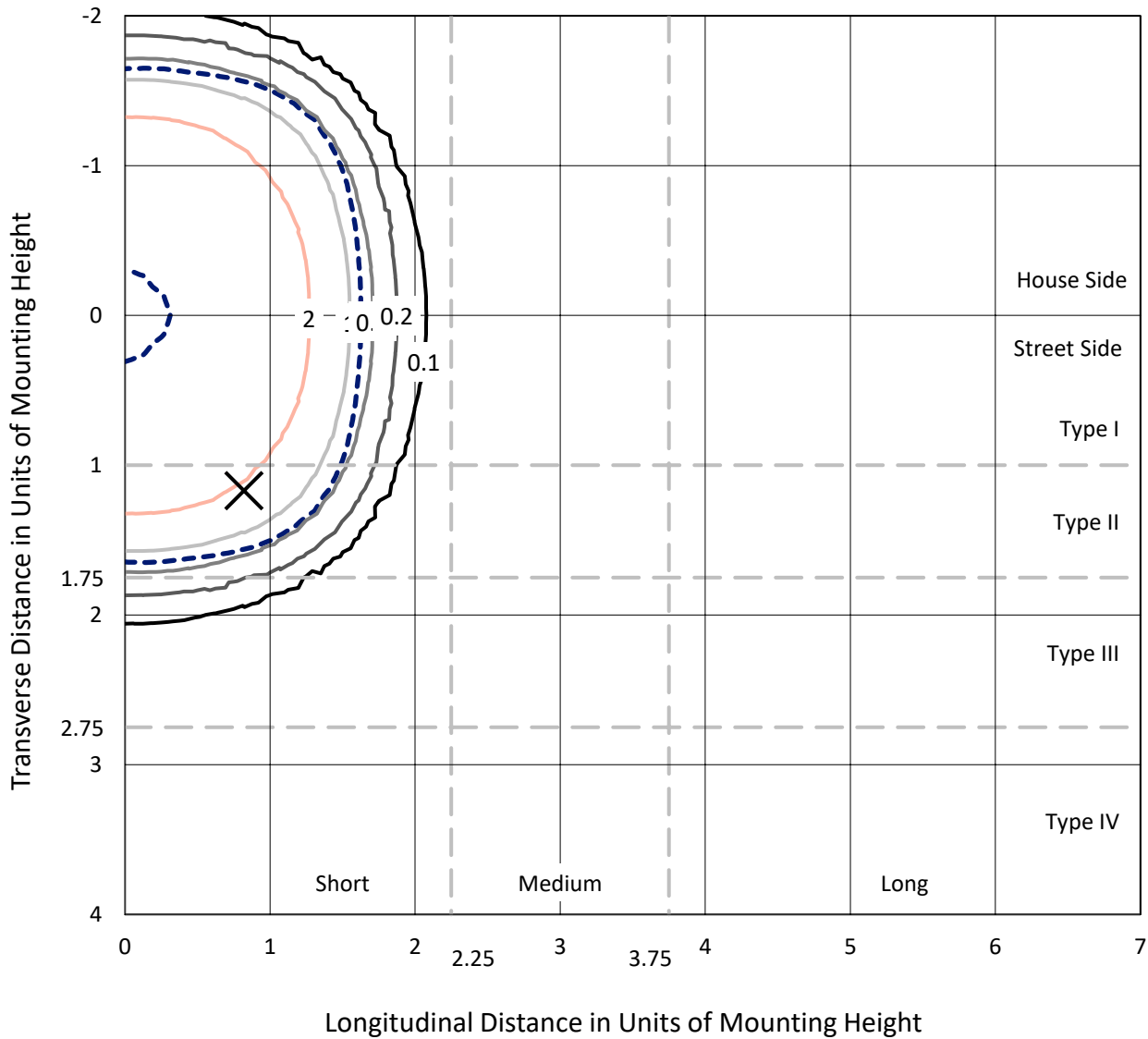
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

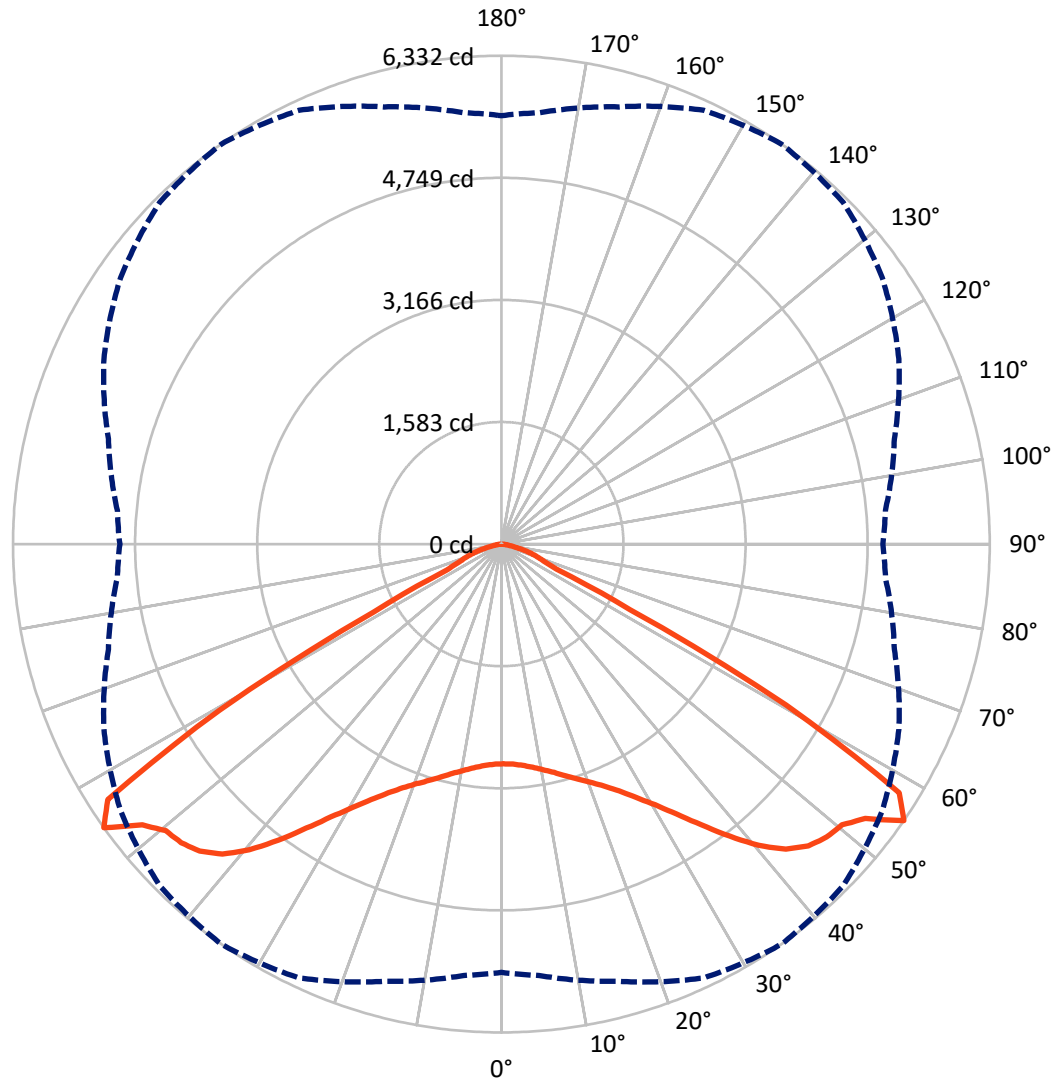
✕ Max cd
 - - - 1/2 Max cd



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	7918.7	0.0	7918.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7918.7	0.0	7918.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15837.4	0.0	15837.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.9	1.8
10°-20°	884.8	5.6
20°-30°	1637.6	10.3
30°-40°	2739.3	17.3
40°-50°	4174.2	26.4
50°-60°	4676.0	29.5
60°-70°	1106.4	7.0
70°-80°	298.3	1.9
80°-90°	42.9	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°	15837.4	100.0
0°-180°	15837.4	100.0

Coefficient of Utilization



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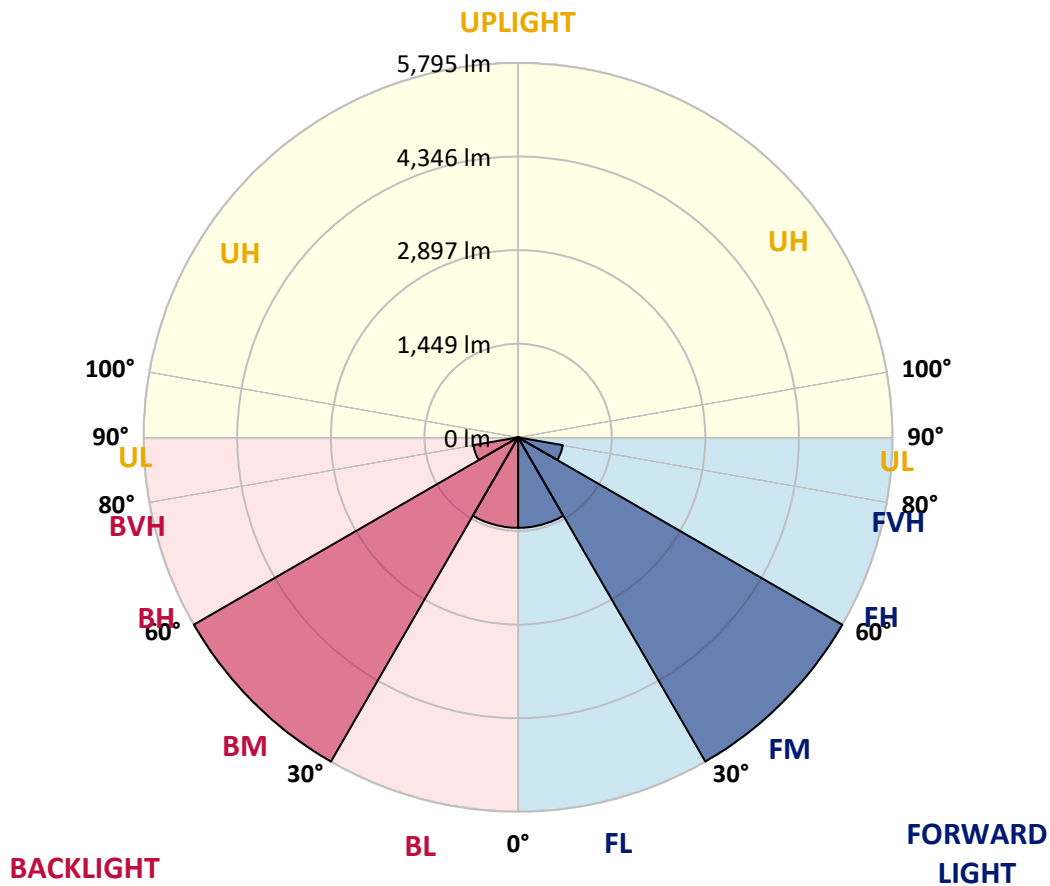
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1400.1	8.8			
FM (30°-60°)	5794.8	36.6			
FH (60°-80°)	702.3	4.4			G1/1800
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	1400.1	8.8	B3/2500		
BM (30°-60°)	5794.8	36.6	B4/8500		
BH (60°-80°)	702.3	4.4	B2/1000		G1/1800
BVH (80°-90°)	21.5	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°	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2	2849.2
2.5°	2842.9	2842.9	2847.9	2854.2	2855.5	2868.0	2865.5	2860.5	2858.0	2852.9	2864.2
5°	2874.2	2875.5	2879.2	2883.0	2880.5	2890.5	2886.8	2880.5	2876.7	2870.5	2881.8
7.5°	2915.6	2915.6	2919.3	2924.3	2921.8	2936.9	2929.3	2920.6	2914.3	2906.8	2916.8
10°	2953.1	2955.6	2959.4	2969.4	2974.4	2990.7	2985.7	2973.2	2963.2	2954.4	2965.7
12.5°	3009.5	3012.0	3015.8	3029.5	3038.3	3054.6	3047.1	3029.5	3014.5	3002.0	3014.5
15°	3082.1	3079.6	3089.6	3107.2	3118.5	3133.5	3124.7	3094.7	3074.6	3058.3	3070.9
17.5°	3156.0	3154.8	3164.8	3187.3	3203.6	3223.7	3208.6	3173.6	3152.3	3132.2	3144.8
20°	3236.2	3239.9	3250.0	3271.2	3295.0	3321.3	3308.8	3271.2	3247.5	3224.9	3234.9
22.5°	3335.1	3336.4	3347.6	3375.2	3406.5	3431.6	3424.0	3377.7	3347.6	3323.8	3336.4
25°	3454.1	3452.8	3467.9	3500.4	3544.3	3569.3	3553.0	3501.7	3469.1	3441.6	3451.6
27.5°	3590.6	3589.4	3611.9	3654.5	3717.1	3752.2	3718.4	3654.5	3609.4	3570.6	3579.3
30°	3762.2	3758.4	3783.5	3841.1	3922.5	3981.4	3931.3	3842.3	3783.5	3742.1	3750.9
32.5°	3952.5	3957.6	3988.9	4066.5	4169.2	4245.6	4170.5	4071.5	3992.6	3932.5	3942.5
35°	4161.7	4161.7	4225.6	4322.0	4468.5	4570.0	4453.5	4310.7	4205.5	4122.9	4125.4
37.5°	4394.6	4397.1	4481.1	4613.8	4805.4	4924.4	4766.6	4590.0	4462.3	4373.4	4368.3
40°	4678.9	4686.4	4772.9	4920.6	5136.1	5245.0	5075.9	4903.1	4772.9	4667.7	4657.6
42.5°	4999.5	5002.1	5093.5	5226.2	5407.8	5473.0	5340.2	5198.7	5092.2	4997.0	4987.0
45°	5305.1	5298.9	5377.8	5476.7	5581.9	5588.2	5514.3	5456.7	5364.0	5282.6	5267.6
47.5°	5543.1	5538.1	5609.5	5663.3	5675.8	5614.5	5638.3	5647.0	5539.3	5429.1	5400.3
50°	5688.4	5698.4	5766.0	5796.1	5722.2	5622.0	5712.2	5689.6	5535.6	5391.5	5345.2
52.5°	5776.0	5791.1	5908.8	5985.2	5908.8	5813.6	5826.1	5693.4	5471.7	5281.3	5221.2
55°	5554.4	5614.5	5868.7	6206.9	6332.1	6265.7	6027.8	5685.9	5275.1	4998.3	4946.9
57.5°	4116.6	4211.8	4588.8	5321.4	6082.9	6324.6	5629.5	4766.6	4144.2	3788.5	3758.4
60°	2101.5	2208.0	2509.8	3262.5	4241.9	4582.5	3921.2	3052.1	2425.9	2137.8	2105.3
62.5°	857.9	875.4	974.4	1264.9	1874.8	2162.9	1899.9	1333.8	1001.9	923.0	924.3
65°	675.0	678.8	673.8	691.3	785.2	871.7	805.3	707.6	690.1	698.8	692.6
67.5°	588.6	589.9	586.1	586.1	589.9	586.1	593.6	597.4	599.9	609.9	603.7
70°	492.2	493.4	493.4	495.9	494.7	488.4	499.7	504.7	506.0	512.2	508.5
72.5°	380.7	384.5	387.0	388.2	387.0	383.2	389.5	398.3	397.0	403.3	397.0
75°	258.0	263.0	265.5	270.5	269.3	269.3	276.8	280.5	276.8	281.8	276.8
77.5°	146.5	150.3	157.8	162.8	167.8	171.6	176.6	179.1	177.8	180.3	177.8
80°	85.2	86.4	92.7	95.2	101.4	107.7	112.7	115.2	116.5	117.7	116.5
82.5°	48.8	50.1	52.6	55.1	60.1	65.1	70.1	73.9	73.9	75.1	73.9
85°	23.8	23.8	25.0	26.3	28.8	32.6	36.3	40.1	41.3	41.3	41.3
87.5°	3.8	3.8	5.0	5.0	6.3	7.5	10.0	12.5	13.8	13.8	13.8
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)