

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: P635985

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-830-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 14754.1 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

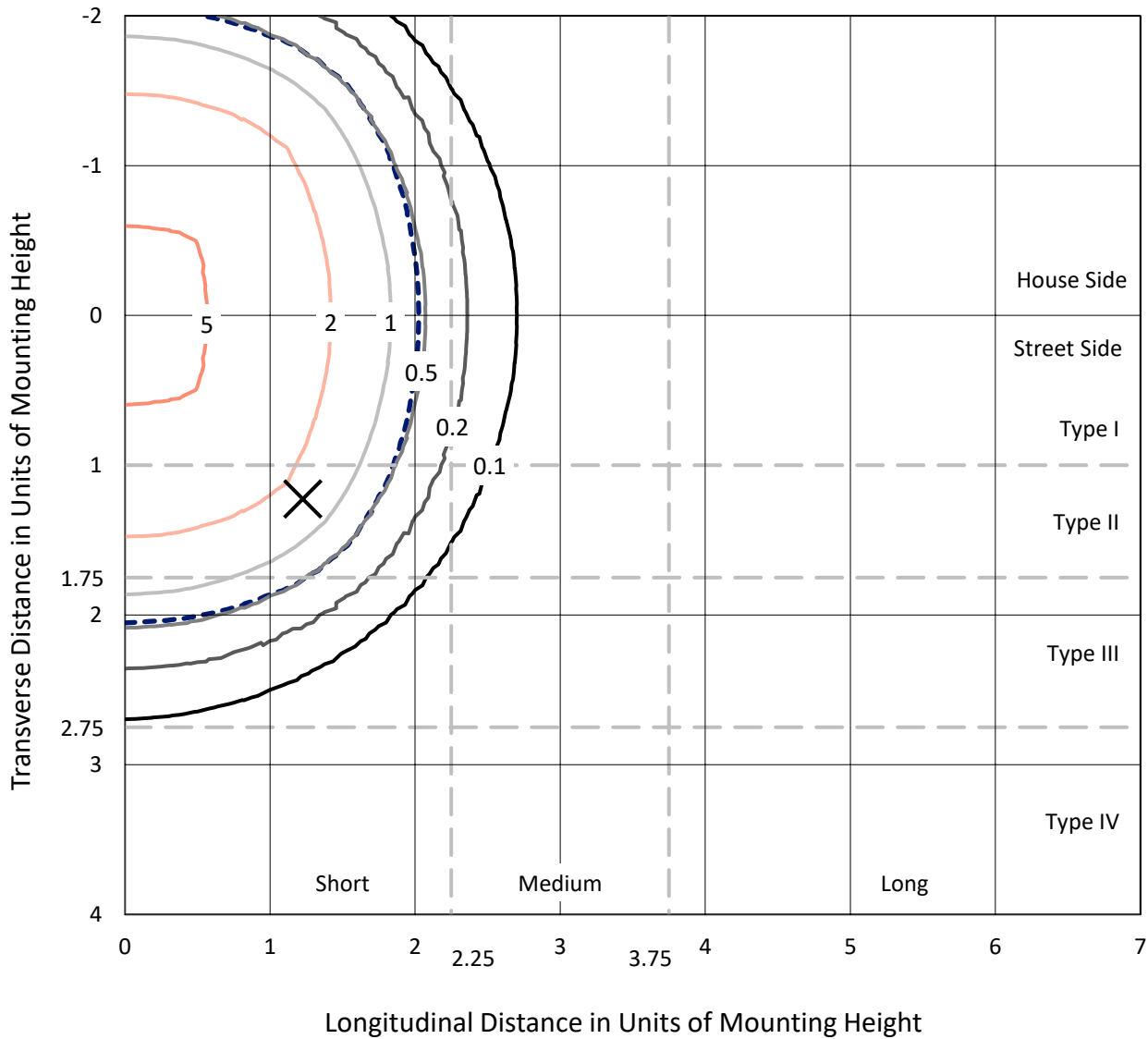
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

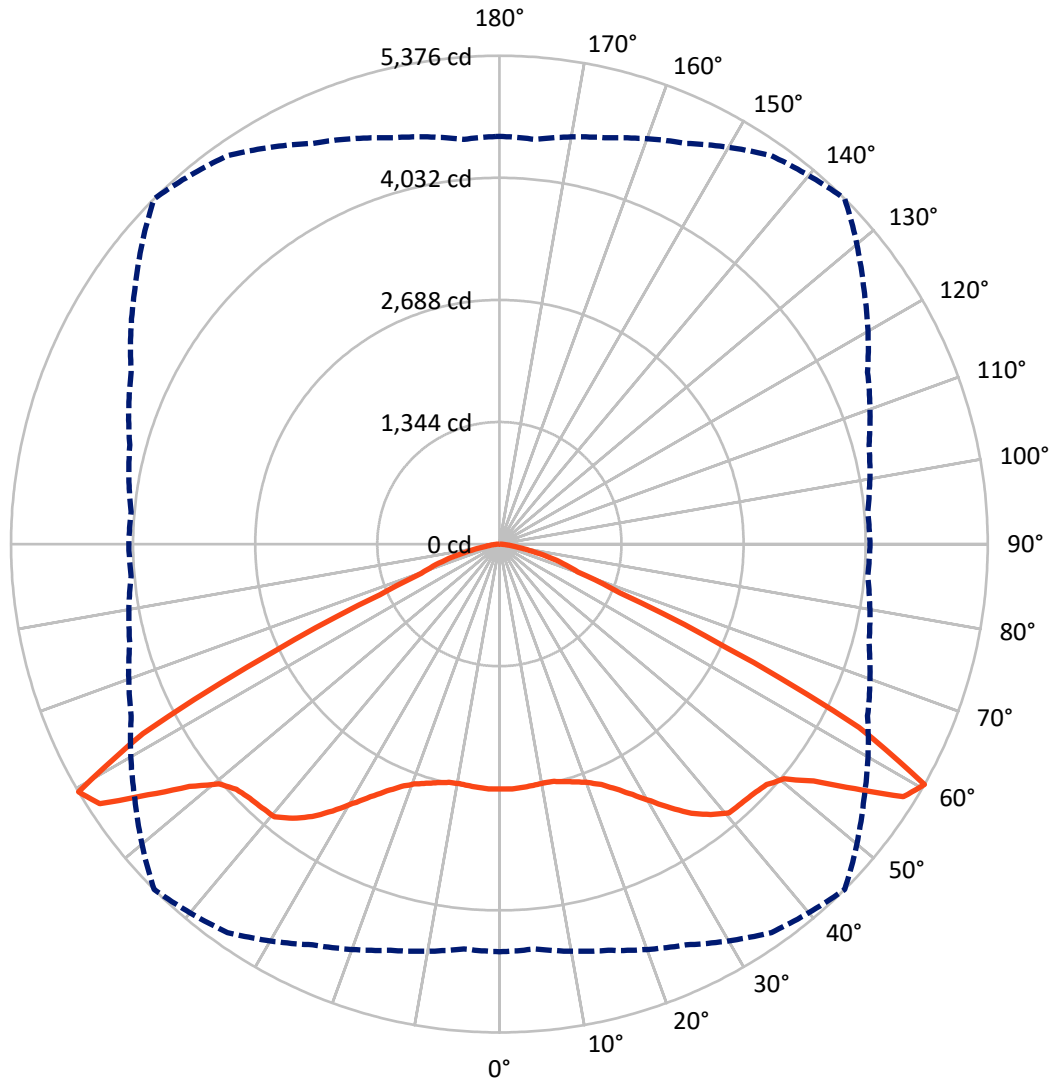
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7377.1	0.0	7377.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7377.1	0.0	7377.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14754.1	0.0	14754.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	1.7
10°-20°	769.1	5.2
20°-30°	1360.7	9.2
30°-40°	2190.8	14.8
40°-50°	3011.2	20.4
50°-60°	4012.7	27.2
60°-70°	2500.9	17.0
70°-80°	575.1	3.9
80°-90°	78.0	0.5
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°	14754.1	100.0
0°-180°	14754.1	100.0

Coefficient of Utilization



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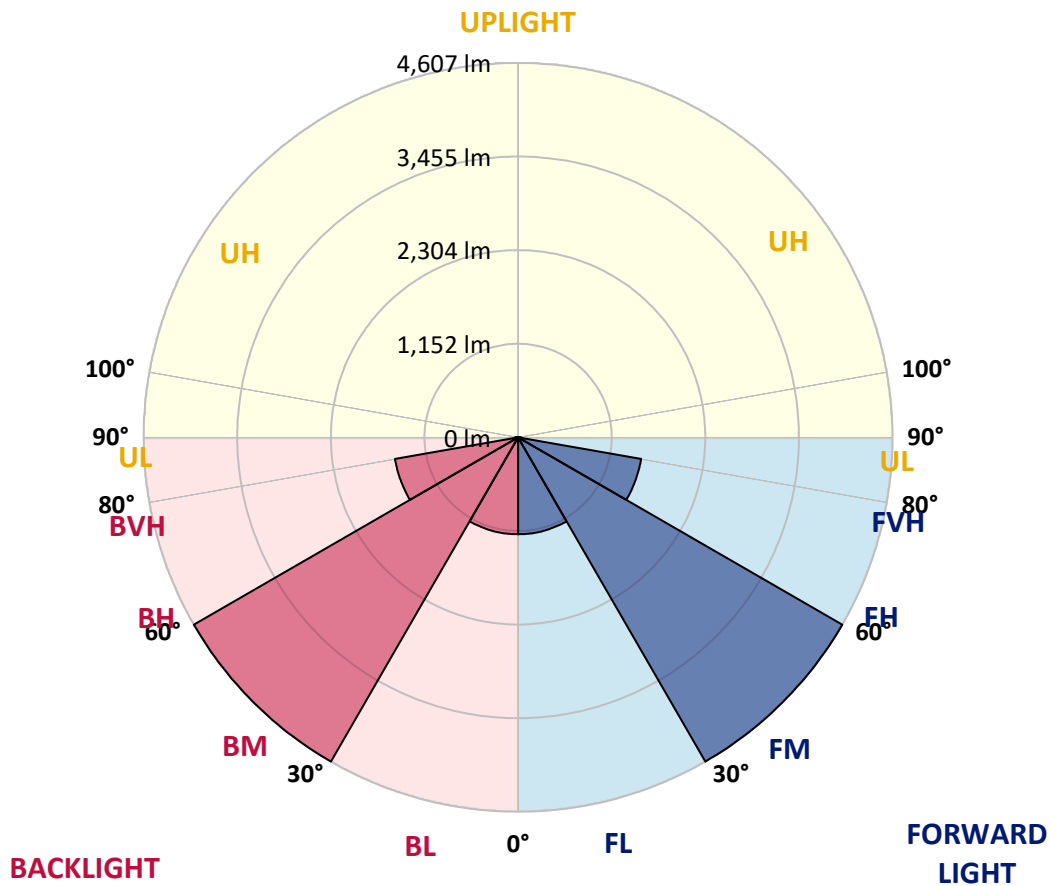
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.8	8.1			
FM (30°-60°)	4607.3	31.2			
FH (60°-80°)	1538.0	10.4			G1/1800
FVH (80°-90°)	39.0	0.3			G1/100
BL (0°-30°)	1192.8	8.1	B3/2500		
BM (30°-60°)	4607.3	31.2	B3/5000		
BH (60°-80°)	1538.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3	2696.3
2.5°	2677.5	2680.0	2685.0	2688.8	2693.8	2698.8	2701.3	2696.3	2693.8	2683.8	2695.0
5°	2680.0	2682.5	2686.3	2686.3	2687.5	2691.3	2691.3	2685.0	2678.8	2667.5	2680.0
7.5°	2676.3	2678.8	2680.0	2678.8	2680.0	2681.3	2678.8	2671.2	2665.0	2655.0	2665.0
10°	2670.0	2672.5	2675.0	2672.5	2670.0	2673.7	2673.7	2668.7	2665.0	2655.0	2666.2
12.5°	2683.8	2687.5	2688.8	2682.5	2680.0	2681.3	2681.3	2676.3	2676.3	2667.5	2680.0
15°	2716.3	2718.8	2715.1	2707.6	2708.8	2712.6	2703.8	2691.3	2688.8	2685.0	2695.0
17.5°	2741.4	2743.9	2740.1	2735.1	2743.9	2752.6	2736.4	2712.6	2705.1	2702.6	2713.8
20°	2768.9	2772.7	2767.7	2773.9	2791.5	2801.5	2781.4	2748.9	2733.9	2730.1	2743.9
22.5°	2814.0	2819.0	2819.0	2832.8	2859.1	2875.4	2850.3	2806.5	2784.0	2777.7	2791.5
25°	2885.4	2889.2	2892.9	2920.5	2963.0	2985.6	2945.5	2885.4	2854.1	2844.1	2851.6
27.5°	2984.3	2990.6	2996.9	3036.9	3089.5	3122.1	3064.5	2989.3	2950.5	2930.5	2945.5
30°	3102.0	3110.8	3125.8	3170.9	3244.8	3281.1	3207.2	3115.8	3072.0	3050.7	3070.7
32.5°	3262.3	3263.6	3274.9	3325.0	3422.6	3464.0	3371.3	3269.9	3224.8	3199.7	3211.0
35°	3452.7	3454.0	3436.4	3487.8	3593.0	3639.3	3530.3	3427.7	3390.1	3382.6	3411.4
37.5°	3648.1	3636.8	3619.3	3641.8	3748.3	3778.3	3663.1	3575.4	3559.2	3572.9	3615.5
40°	3787.1	3768.3	3733.2	3749.5	3857.2	3892.3	3769.5	3686.9	3681.9	3715.7	3767.0
42.5°	3877.2	3857.2	3815.9	3815.9	3889.8	3904.8	3809.6	3765.8	3777.1	3815.9	3864.7
45°	3921.1	3909.8	3886.0	3873.5	3914.8	3921.1	3848.4	3830.9	3852.2	3871.0	3908.6
47.5°	3954.9	3954.9	3947.4	3934.9	3953.6	3957.4	3903.5	3898.5	3926.1	3926.1	3951.1
50°	4015.0	4021.3	4031.3	4028.8	4048.8	4061.3	4021.3	4013.8	4025.0	3988.7	4001.2
52.5°	4172.8	4189.1	4217.9	4240.4	4291.8	4330.6	4259.2	4199.1	4140.2	4060.1	4062.6
55°	4455.8	4463.3	4519.7	4586.1	4672.5	4751.4	4604.9	4418.3	4290.5	4196.6	4197.8
57.5°	4695.0	4706.3	4789.0	4928.0	5122.1	5244.8	4920.4	4608.6	4428.3	4313.1	4316.8
60°	4488.4	4473.4	4629.9	4867.9	5219.8	5376.3	4897.9	4472.1	4212.9	4070.1	4080.1
62.5°	3472.7	3443.9	3618.0	3867.2	4289.3	4445.8	4005.0	3596.7	3351.3	3239.8	3223.5
65°	2114.0	2087.7	2212.9	2365.7	2651.2	2750.1	2548.5	2331.9	2117.7	2050.1	2031.3
67.5°	1150.9	1147.1	1181.0	1256.1	1381.3	1427.7	1388.8	1286.2	1231.1	1183.5	1183.5
70°	913.0	905.4	899.2	900.4	911.7	918.0	919.2	914.2	920.5	921.7	916.7
72.5°	756.4	753.9	741.4	742.6	737.6	735.1	743.9	748.9	758.9	760.2	760.2
75°	548.5	542.3	548.5	549.8	544.8	544.8	551.0	549.8	554.8	557.3	543.5
77.5°	311.8	311.8	320.6	330.6	338.1	338.1	344.4	344.4	350.7	349.4	346.9
80°	171.6	171.6	176.6	182.8	190.4	197.9	204.1	205.4	209.1	207.9	204.1
82.5°	97.7	98.9	101.4	105.2	112.7	119.0	125.2	126.5	130.2	130.2	126.5
85°	46.3	45.1	46.3	48.8	52.6	57.6	63.9	67.6	70.1	70.1	67.6
87.5°	8.8	10.0	8.8	10.0	11.3	15.0	17.5	20.0	23.8	25.0	22.5
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)