

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: P635979

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635979
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-SA3E-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15296.3 lumens
Efficiency: N/A
Efficacy: 96.1 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

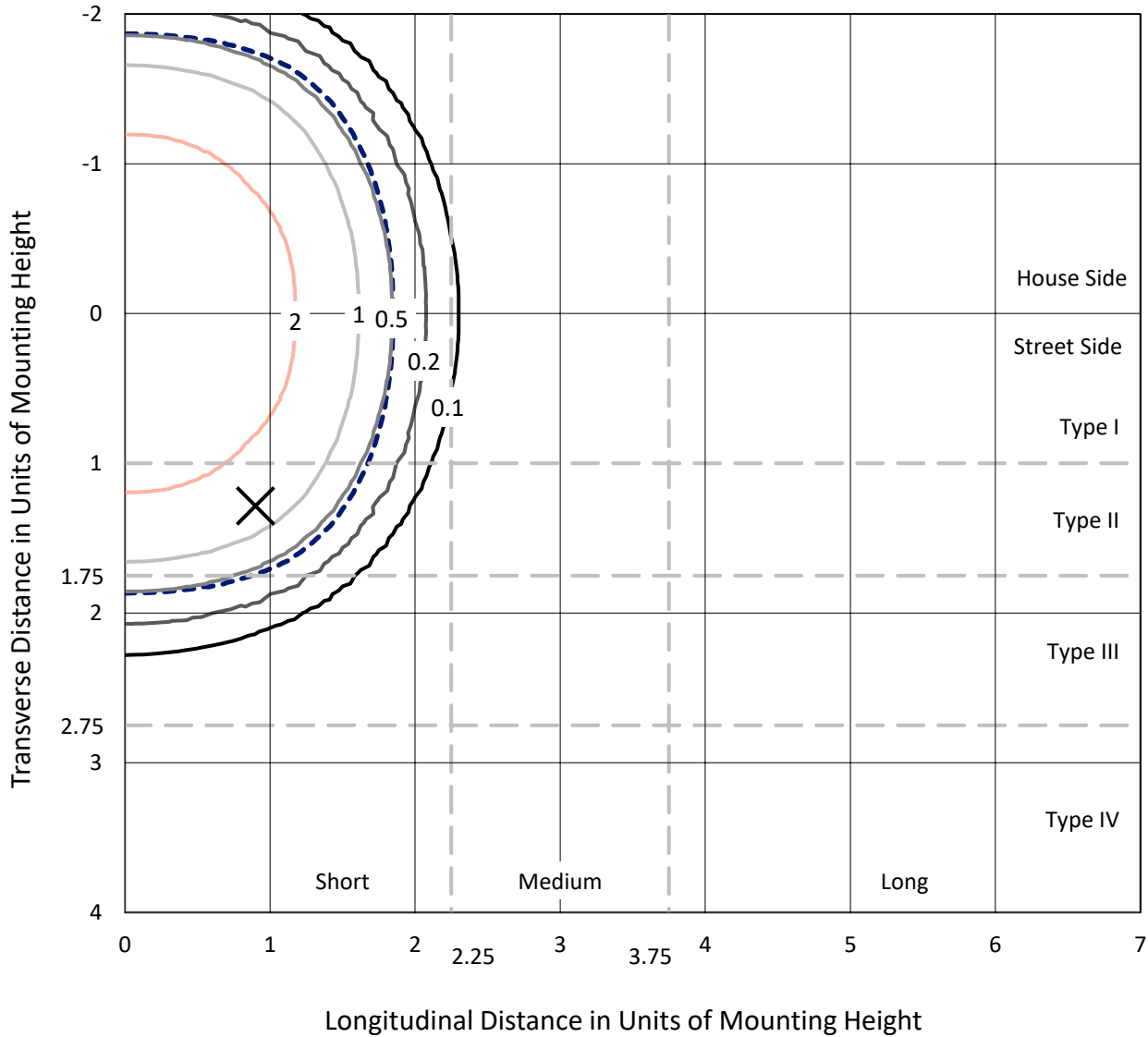
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

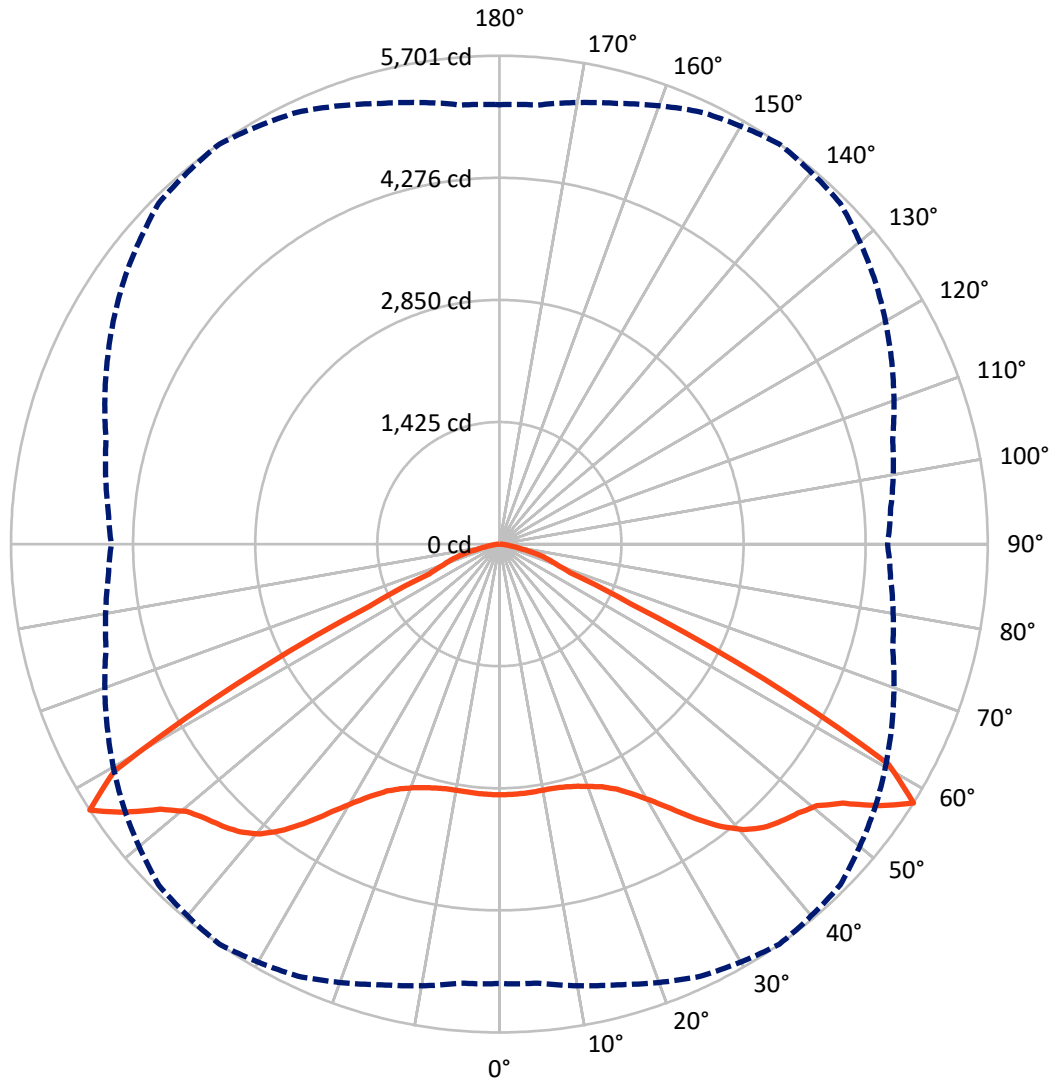
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	7648.1	0.0	7648.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7648.1	0.0	7648.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15296.3	0.0	15296.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.4	1.8
10°-20°	830.7	5.4
20°-30°	1449.4	9.5
30°-40°	2376.7	15.5
40°-50°	3500.4	22.9
50°-60°	4467.1	29.2
60°-70°	1882.6	12.3
70°-80°	449.7	2.9
80°-90°	61.2	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°	15296.3	100.0
0°-180°	15296.3	100.0

Coefficient of Utilization



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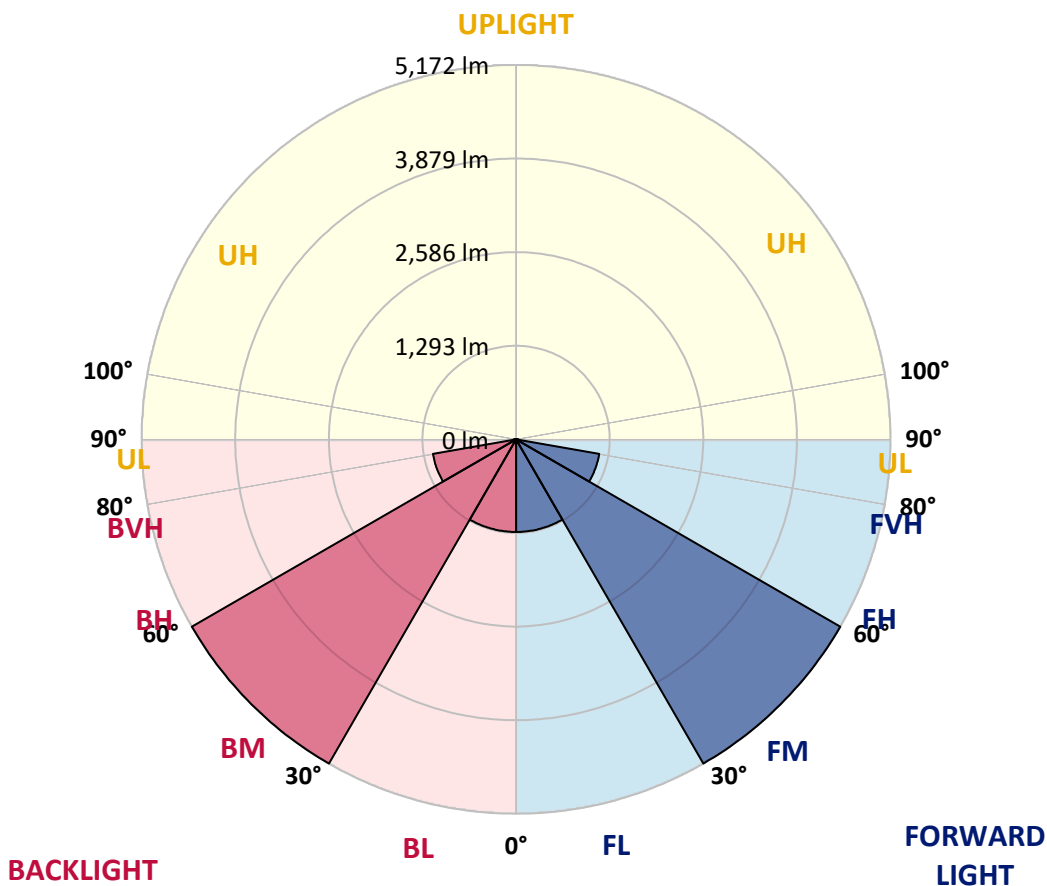
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1279.3	8.4			
FM (30°-60°)	5172.1	33.8			
FH (60°-80°)	1166.2	7.6			G1/1800
FVH (80°-90°)	30.6	0.2			G1/100
BL (0°-30°)	1279.3	8.4	B3/2500		
BM (30°-60°)	5172.1	33.8	B4/8500		
BH (60°-80°)	1166.2	7.6	B3/2500		G1/1800
BVH (80°-90°)	30.6	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°	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8	2926.8
2.5°	2909.2	2909.2	2915.5	2921.8	2924.3	2935.5	2934.3	2930.5	2928.0	2920.5	2930.5
5°	2915.5	2915.5	2920.5	2924.3	2923.0	2931.8	2928.0	2921.8	2918.0	2910.5	2921.8
7.5°	2914.2	2914.2	2918.0	2921.8	2919.3	2926.8	2920.5	2911.7	2905.5	2898.0	2908.0
10°	2898.0	2900.5	2904.2	2913.0	2916.8	2928.0	2919.3	2905.5	2895.5	2886.7	2896.7
12.5°	2895.5	2898.0	2903.0	2914.2	2920.5	2936.8	2925.5	2903.0	2887.9	2876.7	2886.7
15°	2906.7	2909.2	2916.8	2930.5	2940.5	2958.1	2941.8	2910.5	2889.2	2874.2	2882.9
17.5°	2920.5	2924.3	2935.5	2955.6	2971.9	2990.6	2970.6	2933.0	2903.0	2882.9	2890.5
20°	2935.5	2940.5	2958.1	2988.1	3018.2	3042.0	3016.9	2966.8	2930.5	2904.2	2911.7
22.5°	2961.8	2968.1	2990.6	3033.2	3078.3	3113.4	3082.1	3014.4	2966.8	2933.0	2939.3
25°	3015.7	3023.2	3052.0	3103.4	3167.2	3209.8	3166.0	3089.6	3023.2	2981.9	2988.1
27.5°	3110.9	3114.6	3152.2	3219.8	3298.7	3347.6	3295.0	3204.8	3130.9	3083.3	3088.3
30°	3236.1	3247.4	3284.9	3373.9	3467.8	3532.9	3464.0	3357.6	3272.4	3214.8	3219.8
32.5°	3388.9	3396.4	3452.8	3545.4	3680.7	3755.8	3661.9	3535.4	3432.7	3362.6	3367.6
35°	3589.3	3595.5	3649.4	3767.1	3931.2	4001.3	3893.6	3748.3	3629.3	3563.0	3581.8
37.5°	3828.5	3839.7	3878.6	3995.0	4177.9	4246.8	4122.8	3987.5	3863.5	3802.2	3815.9
40°	4085.2	4084.0	4115.3	4218.0	4384.5	4427.1	4315.6	4207.9	4101.5	4061.4	4084.0
42.5°	4305.6	4299.4	4321.9	4407.1	4522.3	4526.0	4452.1	4392.0	4316.9	4289.3	4310.6
45°	4459.7	4462.2	4496.0	4554.8	4613.7	4582.4	4559.9	4549.8	4491.0	4453.4	4457.2
47.5°	4581.1	4591.2	4645.0	4685.1	4692.6	4640.0	4671.3	4686.3	4637.5	4579.9	4563.6
50°	4688.8	4705.1	4775.3	4817.8	4801.6	4735.2	4796.5	4819.1	4711.4	4601.2	4568.6
52.5°	4884.2	4903.0	4988.2	5043.3	5024.5	4958.1	5015.7	4935.6	4754.0	4618.7	4577.4
55°	5196.1	5204.8	5308.8	5398.9	5390.2	5308.8	5262.4	5084.6	4864.2	4723.9	4685.1
57.5°	5129.7	5144.7	5325.0	5565.5	5700.8	5626.9	5355.1	5052.0	4752.7	4583.6	4531.0
60°	4036.4	4072.7	4296.9	4720.2	5216.1	5214.8	4710.1	4239.2	3878.6	3654.4	3631.9
62.5°	2356.9	2382.0	2586.1	3014.4	3459.0	3486.6	3132.2	2809.0	2493.5	2341.9	2269.3
65°	1115.9	1114.6	1196.0	1388.9	1689.4	1713.2	1606.8	1430.2	1243.6	1192.2	1178.5
67.5°	824.1	824.1	817.8	831.6	889.2	901.7	889.2	860.4	842.8	854.1	846.6
70°	715.1	716.4	708.8	705.1	705.1	701.3	706.3	717.6	725.1	740.1	732.6
72.5°	579.8	581.1	581.1	582.3	583.6	578.6	586.1	592.4	593.6	598.6	593.6
75°	412.0	414.5	422.0	428.3	433.3	433.3	435.8	437.1	432.1	438.3	428.3
77.5°	226.7	229.2	243.0	254.2	265.5	266.8	270.5	273.0	270.5	275.5	268.0
80°	125.2	127.7	134.0	139.0	147.8	155.3	160.3	162.8	162.8	166.6	162.8
82.5°	71.4	73.9	77.6	80.2	87.7	93.9	98.9	102.7	102.7	103.9	101.4
85°	33.8	33.8	36.3	38.8	42.6	45.1	51.3	55.1	55.1	57.6	55.1
87.5°	5.0	6.3	7.5	7.5	10.0	12.5	15.0	16.3	18.8	20.0	20.0
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)