

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: P643403

Luminaire Tested: GWS-SA6E-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21727.1 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

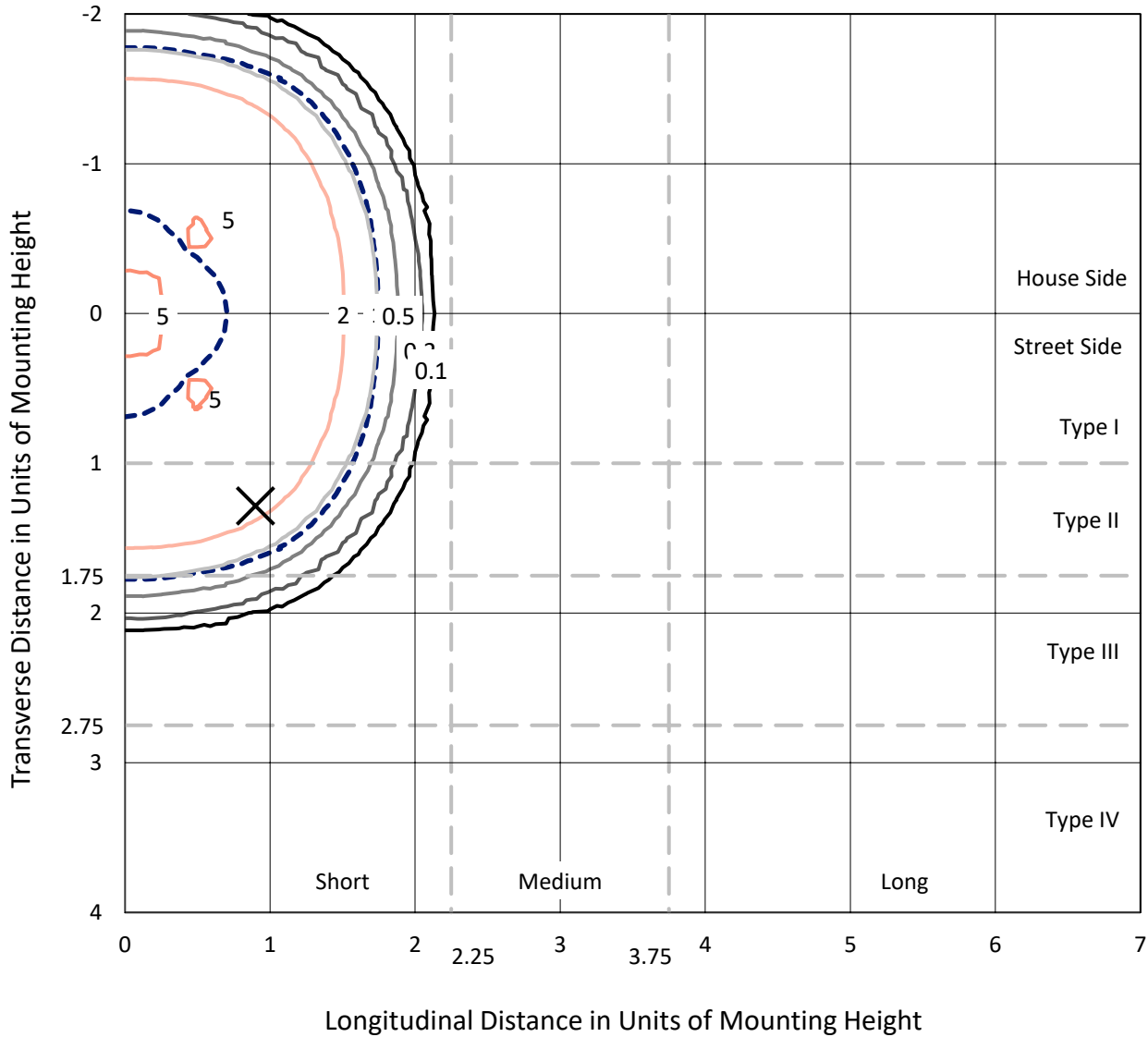
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

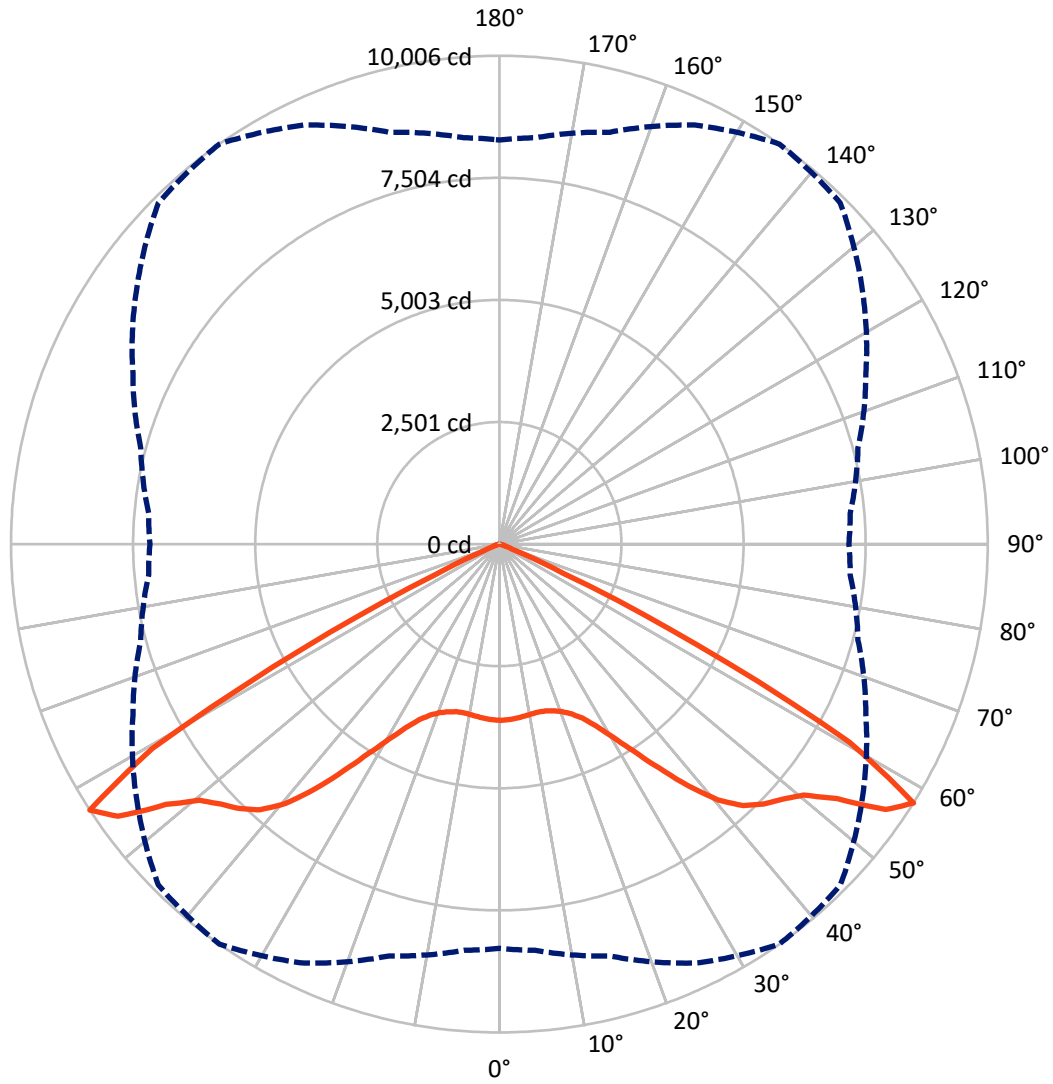
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	10863.5	0.0	10863.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10863.5	0.0	10863.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21727.1	0.0	21727.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.3	1.6
10°-20°	1001.1	4.6
20°-30°	1809.6	8.3
30°-40°	3376.0	15.5
40°-50°	5663.2	26.1
50°-60°	7478.8	34.4
60°-70°	1986.2	9.1
70°-80°	70.5	0.3
80°-90°	1.2	0.0
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°	21727.1	100.0
0°-180°	21727.1	100.0

Coefficient of Utilization



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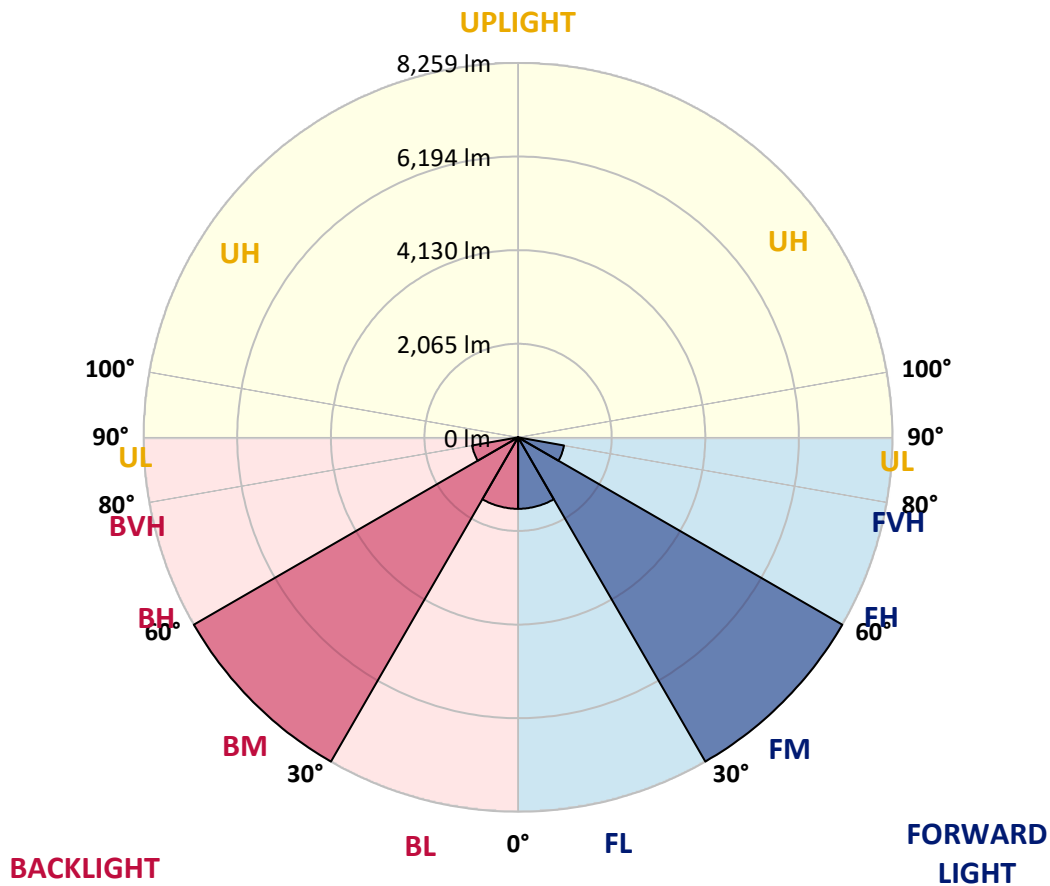
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1575.5	7.3			
FM (30°-60°)	8259.0	38.0			
FH (60°-80°)	1028.4	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1575.5	7.3	B3/2500		
BM (30°-60°)	8259.0	38.0	B4/8500		
BH (60°-80°)	1028.4	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
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°	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3
2.5°	3586.8	3584.3	3594.5	3602.1	3602.1	3620.0	3614.9	3609.8	3604.7	3597.0	3614.9
5°	3581.7	3579.2	3586.8	3591.9	3586.8	3602.1	3591.9	3581.7	3576.6	3566.4	3586.8
7.5°	3558.8	3561.3	3566.4	3571.5	3563.9	3576.6	3563.9	3548.6	3535.8	3525.7	3543.5
10°	3523.1	3525.7	3530.7	3540.9	3543.5	3561.3	3543.5	3515.5	3497.6	3482.3	3500.2
12.5°	3505.3	3507.8	3515.5	3528.2	3530.7	3553.7	3530.7	3490.0	3464.5	3446.6	3464.5
15°	3510.4	3515.5	3525.7	3540.9	3546.0	3569.0	3538.4	3484.9	3449.2	3426.2	3441.5
17.5°	3528.2	3533.3	3548.6	3574.1	3591.9	3614.9	3576.6	3507.8	3459.4	3426.2	3441.5
20°	3551.1	3558.8	3584.3	3625.1	3663.3	3704.1	3655.7	3561.3	3497.6	3456.8	3469.6
22.5°	3614.9	3622.5	3658.2	3711.7	3775.5	3826.5	3767.8	3648.0	3561.3	3507.8	3520.6
25°	3744.9	3752.5	3798.4	3867.3	3948.8	4015.1	3941.2	3790.8	3678.6	3617.4	3622.5
27.5°	3948.8	3956.5	4010.0	4106.9	4216.5	4310.8	4203.8	4027.9	3900.4	3829.0	3829.0
30°	4206.3	4216.5	4287.9	4417.9	4588.7	4713.6	4568.3	4354.2	4191.0	4094.1	4096.7
32.5°	4537.7	4527.5	4629.5	4807.9	5050.1	5215.8	5001.7	4741.7	4540.3	4405.2	4417.9
35°	4963.4	4960.9	5075.6	5317.8	5633.9	5832.7	5577.8	5241.3	4999.1	4861.5	4864.0
37.5°	5511.5	5509.0	5641.6	5904.1	6284.0	6449.7	6164.2	5822.5	5562.5	5430.0	5445.3
40°	6154.0	6138.7	6255.9	6508.3	6888.1	6995.2	6684.2	6408.9	6159.1	6074.9	6115.7
42.5°	6765.8	6732.6	6801.5	7030.9	7324.1	7339.4	7104.8	6916.2	6745.4	6679.1	6704.6
45°	7257.8	7232.3	7296.0	7428.6	7596.8	7520.4	7408.2	7349.6	7211.9	7140.5	7163.5
47.5°	7624.9	7624.9	7701.4	7782.9	7808.4	7668.2	7686.1	7686.1	7548.4	7436.2	7408.2
50°	7941.0	7963.9	8078.7	8162.8	8078.7	7900.2	8002.2	7981.8	7701.4	7477.0	7418.4
52.5°	8445.8	8468.7	8644.6	8759.3	8665.0	8489.1	8501.8	8246.9	7833.9	7568.8	7477.0
55°	8981.1	9037.2	9292.1	9598.0	9600.6	9419.6	9083.1	8631.9	8129.6	7841.6	7747.3
57.5°	8280.1	8356.5	8736.4	9473.1	10005.9	9881.0	9078.0	8285.2	7607.0	7214.5	7160.9
60°	5697.6	5830.2	6210.0	7217.0	8244.4	8292.8	7344.5	6454.8	5677.2	5192.9	5203.1
62.5°	2406.5	2541.6	2755.8	3584.3	4527.5	4586.1	4127.3	3490.0	2855.2	2505.9	2559.5
65°	565.9	604.2	667.9	991.7	1437.8	1504.1	1386.8	1080.9	797.9	675.6	688.3
67.5°	247.3	252.4	239.6	254.9	316.1	323.8	313.6	275.3	260.0	265.1	265.1
70°	173.4	175.9	165.7	158.1	150.4	140.2	145.3	160.6	173.4	183.5	181.0
72.5°	107.1	109.6	112.2	112.2	104.5	94.3	99.4	109.6	112.2	114.7	112.2
75°	53.5	56.1	61.2	63.7	61.2	58.6	58.6	61.2	61.2	58.6	58.6
77.5°	10.2	12.7	17.8	20.4	20.4	20.4	20.4	20.4	22.9	20.4	20.4
80°	2.5	2.5	5.1	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1
82.5°	2.5	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
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)