

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: P641701

Luminaire Tested: GWS-SA6B-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14898.7 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

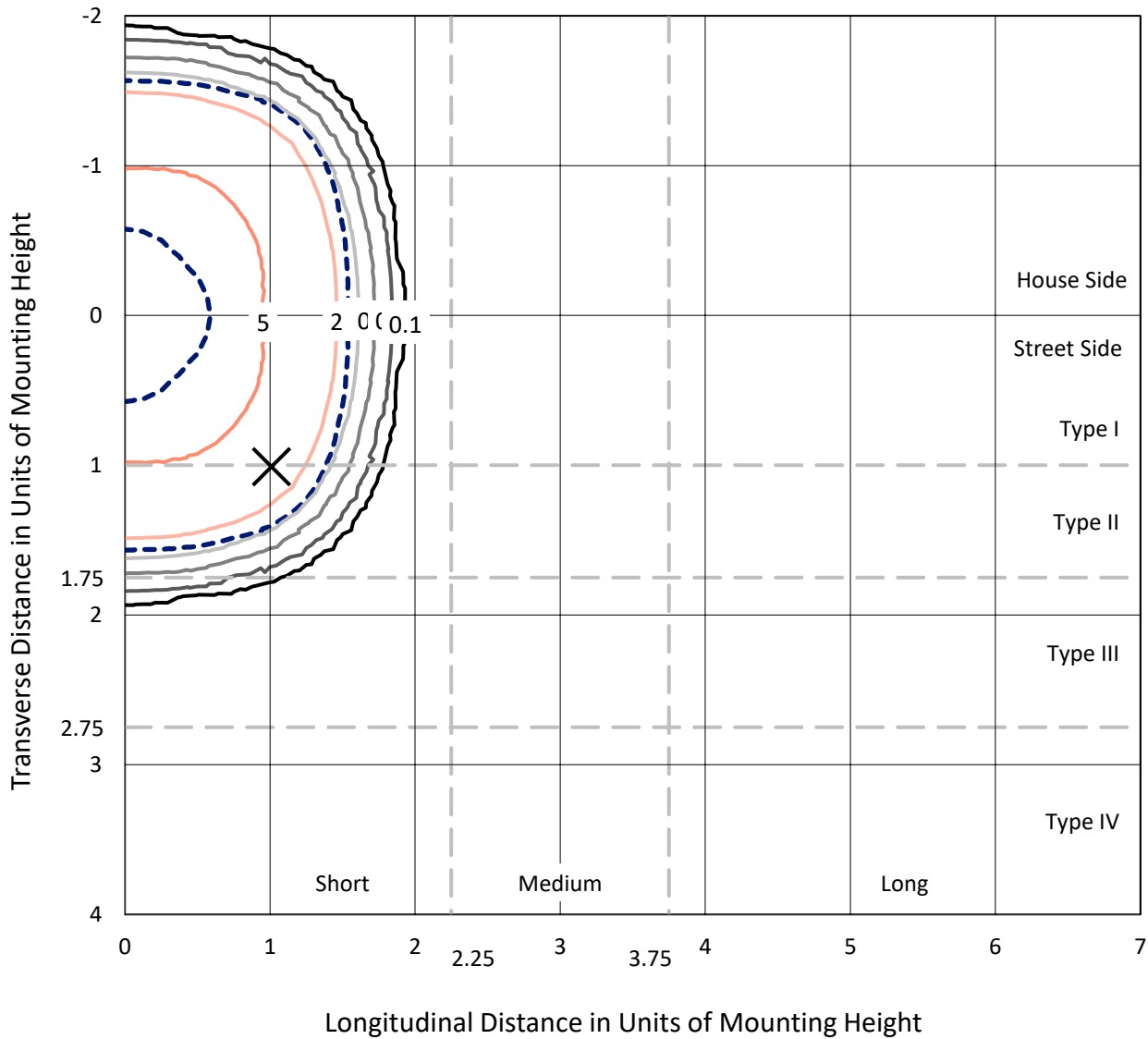
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

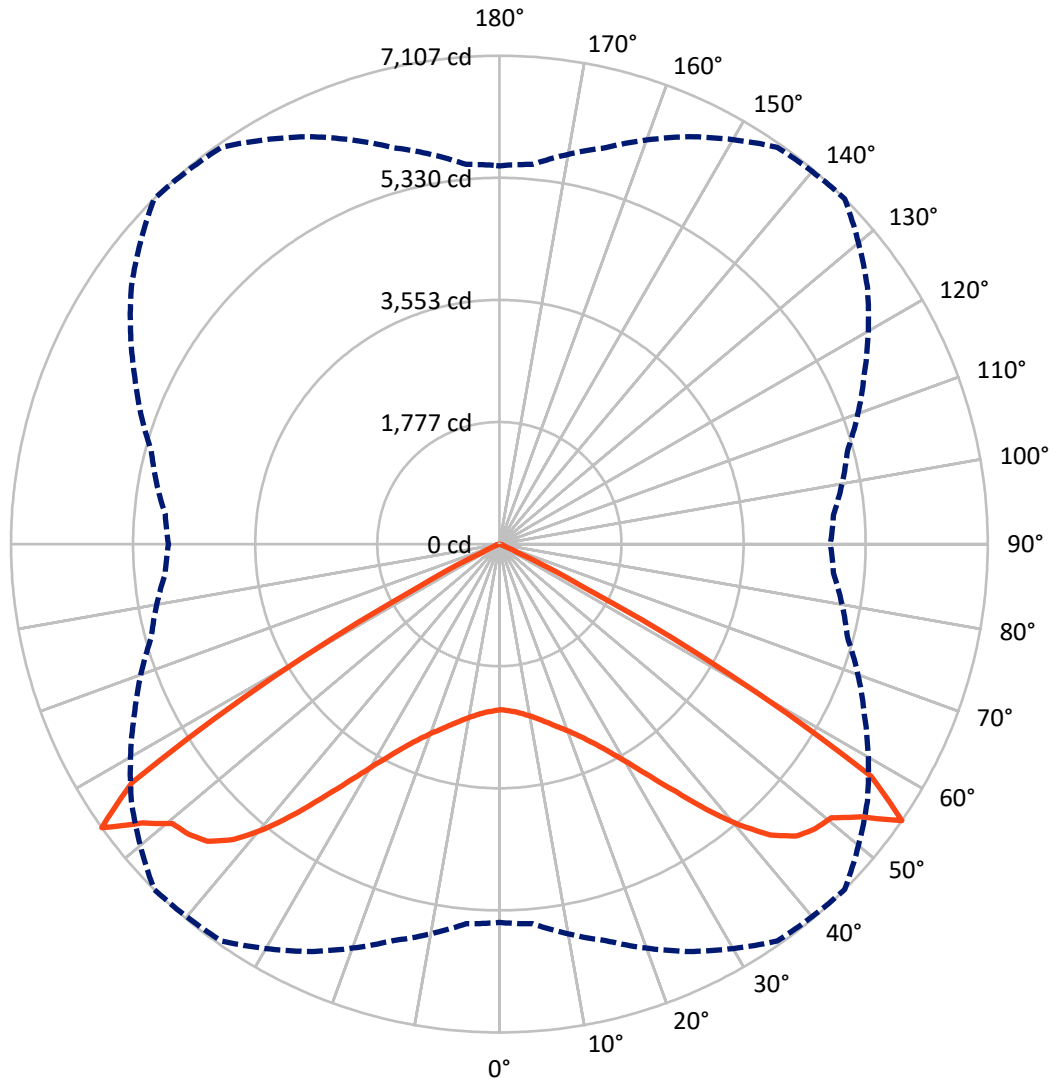
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7449.4	0.0	7449.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7449.4	0.0	7449.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14898.7	0.0	14898.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	1.6
10°-20°	765.0	5.1
20°-30°	1481.6	9.9
30°-40°	2654.4	17.8
40°-50°	4450.3	29.9
50°-60°	4763.8	32.0
60°-70°	523.5	3.5
70°-80°	23.1	0.2
80°-90°	1.1	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°	14898.7	100.0
0°-180°	14898.7	100.0

Coefficient of Utilization



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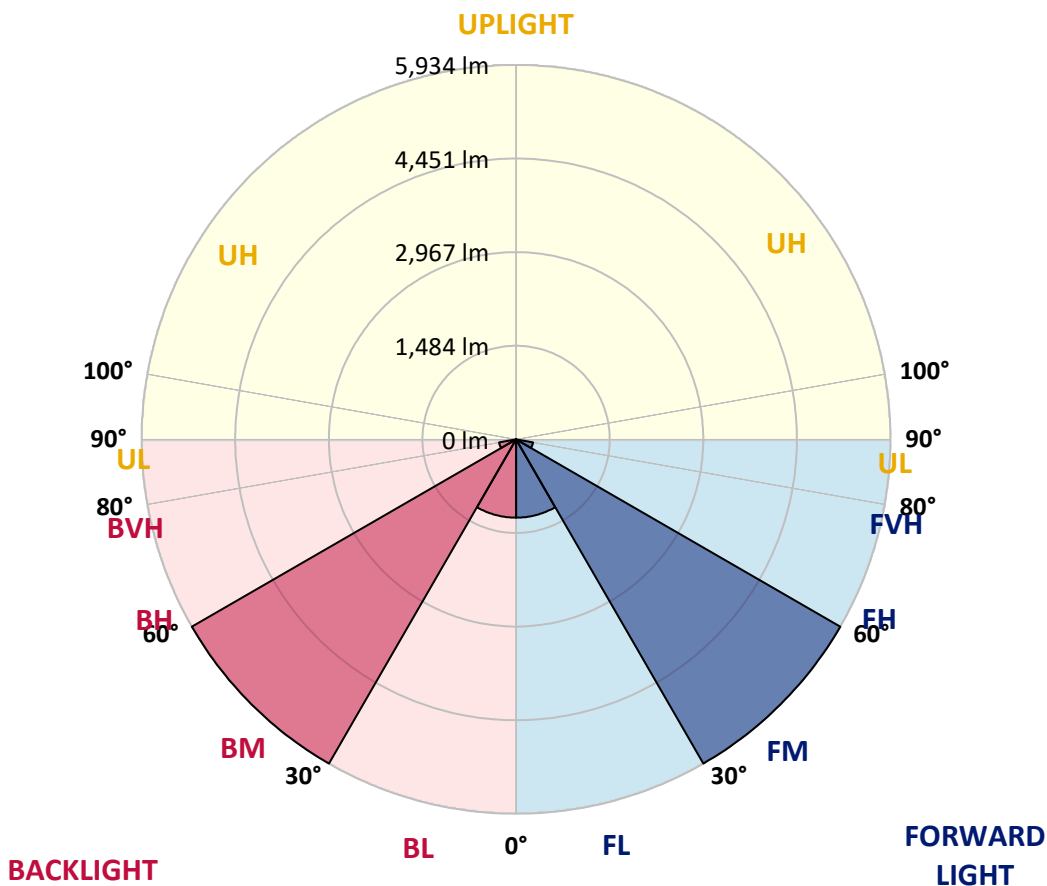
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1241.3	8.3			
FM (30°-60°)	5934.2	39.8			
FH (60°-80°)	273.3	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1241.3	8.3	B3/2500		
BM (30°-60°)	5934.2	39.8	B4/8500		
BH (60°-80°)	273.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8	2408.8
2.5°	2404.3	2404.3	2410.4	2414.9	2414.9	2427.0	2422.5	2417.9	2417.9	2411.9	2424.0
5°	2439.2	2437.7	2443.7	2446.8	2440.7	2452.9	2445.3	2440.7	2437.7	2431.6	2443.7
7.5°	2477.1	2478.7	2480.2	2486.2	2483.2	2495.4	2489.3	2480.2	2477.1	2468.0	2480.2
10°	2522.7	2522.7	2525.7	2533.3	2534.8	2550.0	2543.9	2533.3	2524.2	2515.1	2527.2
12.5°	2580.4	2581.9	2586.4	2597.0	2603.1	2619.8	2610.7	2589.5	2575.8	2565.2	2578.8
15°	2663.8	2662.3	2668.4	2683.6	2691.2	2703.3	2689.6	2660.8	2644.1	2632.0	2641.1
17.5°	2754.9	2754.9	2757.9	2773.1	2783.7	2802.0	2785.3	2750.3	2735.2	2718.5	2727.6
20°	2855.1	2859.6	2862.7	2873.3	2891.5	2909.7	2896.1	2861.2	2844.5	2823.2	2833.8
22.5°	2987.1	2982.6	2984.1	3002.3	3028.1	3046.3	3035.7	2994.7	2965.9	2949.2	2955.3
25°	3134.4	3132.8	3137.4	3164.7	3193.6	3213.3	3198.1	3145.0	3116.2	3087.3	3099.5
27.5°	3315.0	3316.5	3319.5	3352.9	3398.5	3427.3	3389.4	3336.2	3296.8	3258.8	3267.9
30°	3529.0	3526.0	3535.1	3580.6	3647.4	3692.9	3648.9	3574.5	3518.4	3482.0	3486.5
32.5°	3756.7	3759.7	3784.0	3856.9	3944.9	4025.3	3935.8	3837.1	3764.3	3696.0	3705.1
35°	4002.6	4010.2	4064.8	4172.6	4316.8	4424.5	4300.1	4137.7	4034.5	3946.4	3949.5
37.5°	4292.5	4310.7	4386.6	4547.5	4753.9	4898.1	4716.0	4500.4	4366.9	4257.6	4250.0
40°	4673.5	4694.7	4797.9	4989.2	5239.6	5371.7	5160.7	4939.1	4773.6	4655.3	4637.0
42.5°	5110.6	5137.9	5250.3	5446.1	5696.5	5786.1	5579.6	5392.9	5244.2	5104.5	5098.5
45°	5603.9	5619.1	5710.2	5860.4	6041.1	6062.3	5907.5	5804.3	5654.0	5523.5	5512.8
47.5°	6066.9	6082.0	6144.3	6221.7	6264.2	6188.3	6161.0	6115.4	5921.1	5760.3	5726.9
50°	6419.0	6431.1	6508.6	6538.9	6420.5	6259.6	6312.8	6215.6	6004.6	5824.0	5772.4
52.5°	6394.7	6425.1	6623.9	6796.9	6722.6	6592.0	6449.4	6239.9	5912.0	5664.6	5600.9
55°	5505.3	5546.2	5972.8	6541.9	7050.4	7106.6	6535.9	5860.4	5244.2	4881.4	4816.1
57.5°	3538.1	3548.7	4069.4	4867.8	6013.7	6375.0	5420.3	4418.5	3652.0	3252.8	3225.4
60°	1300.8	1279.6	1672.7	2334.5	3463.7	3846.2	3190.5	2234.3	1593.7	1311.4	1288.7
62.5°	312.7	315.7	391.6	587.4	1086.8	1344.8	1062.5	593.5	377.9	317.2	314.2
65°	157.9	154.8	156.3	168.5	232.2	277.8	227.7	160.9	154.8	156.3	154.8
67.5°	101.7	100.2	103.2	104.7	103.2	97.1	95.6	98.7	98.7	100.2	97.1
70°	62.2	60.7	63.7	68.3	65.3	57.7	60.7	63.7	60.7	59.2	59.2
72.5°	33.4	33.4	36.4	39.5	36.4	33.4	33.4	34.9	33.4	33.4	33.4
75°	15.2	15.2	16.7	18.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
77.5°	4.6	4.6	6.1	6.1	4.6	4.6	4.6	4.6	6.1	6.1	6.1
80°	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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)