

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: P636253

Luminaire Tested: GWS-SA3F-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636253
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-SA3F-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14939.1 lumens
Efficiency: N/A
Efficacy: 81.5 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

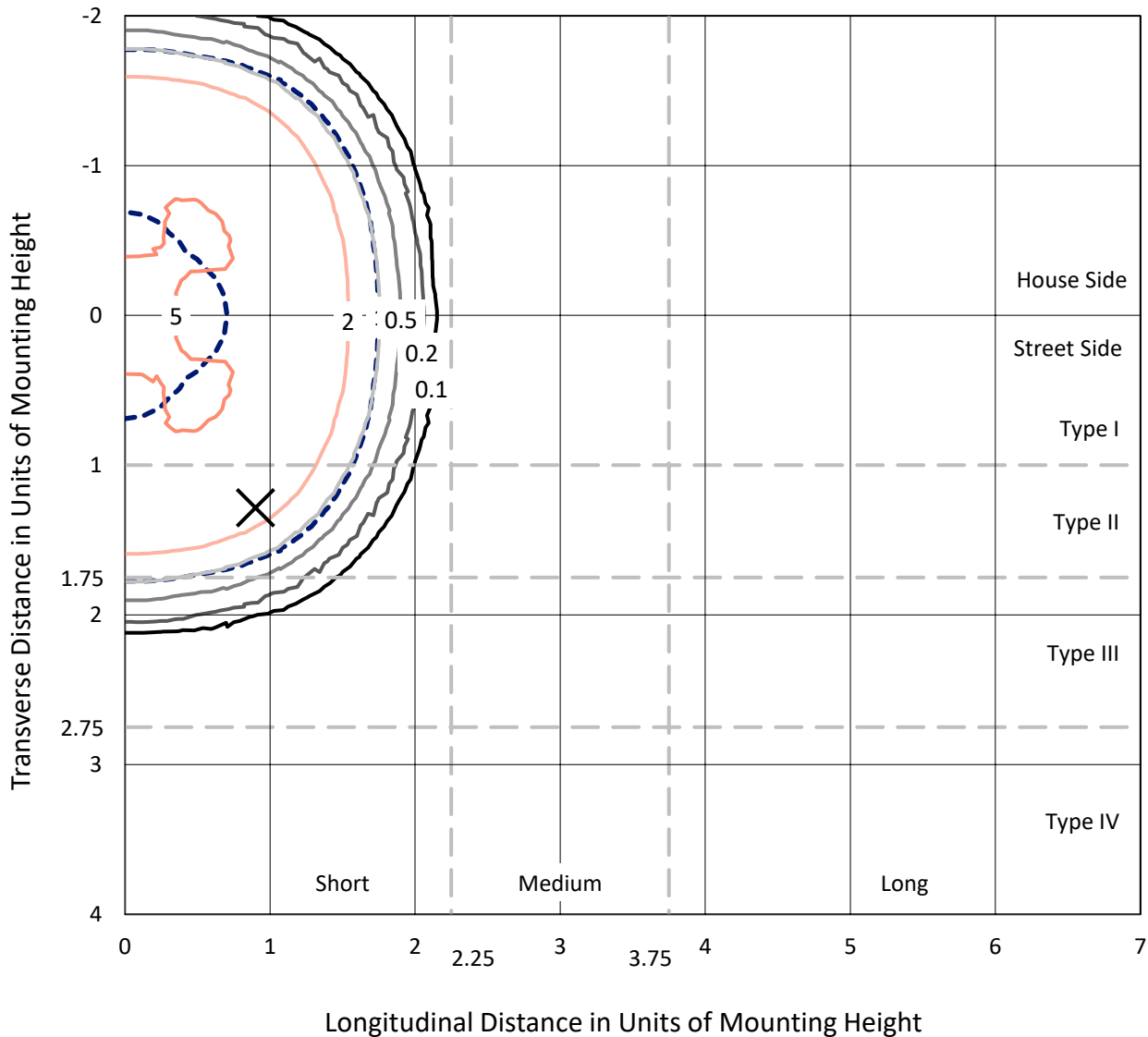
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

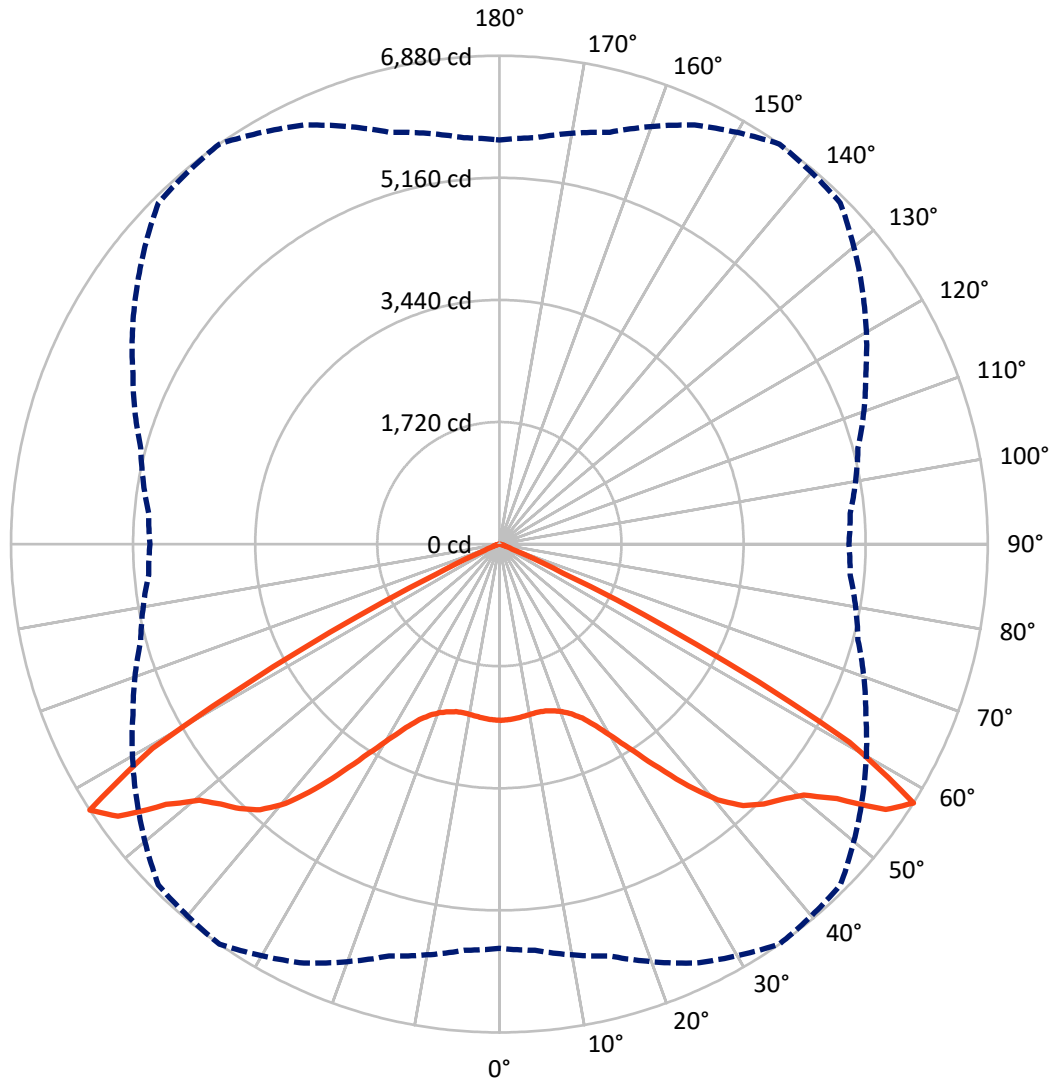
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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	7469.6	0.0	7469.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7469.6	0.0	7469.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14939.1	0.0	14939.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	1.6
10°-20°	688.4	4.6
20°-30°	1244.2	8.3
30°-40°	2321.2	15.5
40°-50°	3893.9	26.1
50°-60°	5142.3	34.4
60°-70°	1365.7	9.1
70°-80°	48.5	0.3
80°-90°	0.9	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°	14939.1	100.0
0°-180°	14939.1	100.0

Coefficient of Utilization



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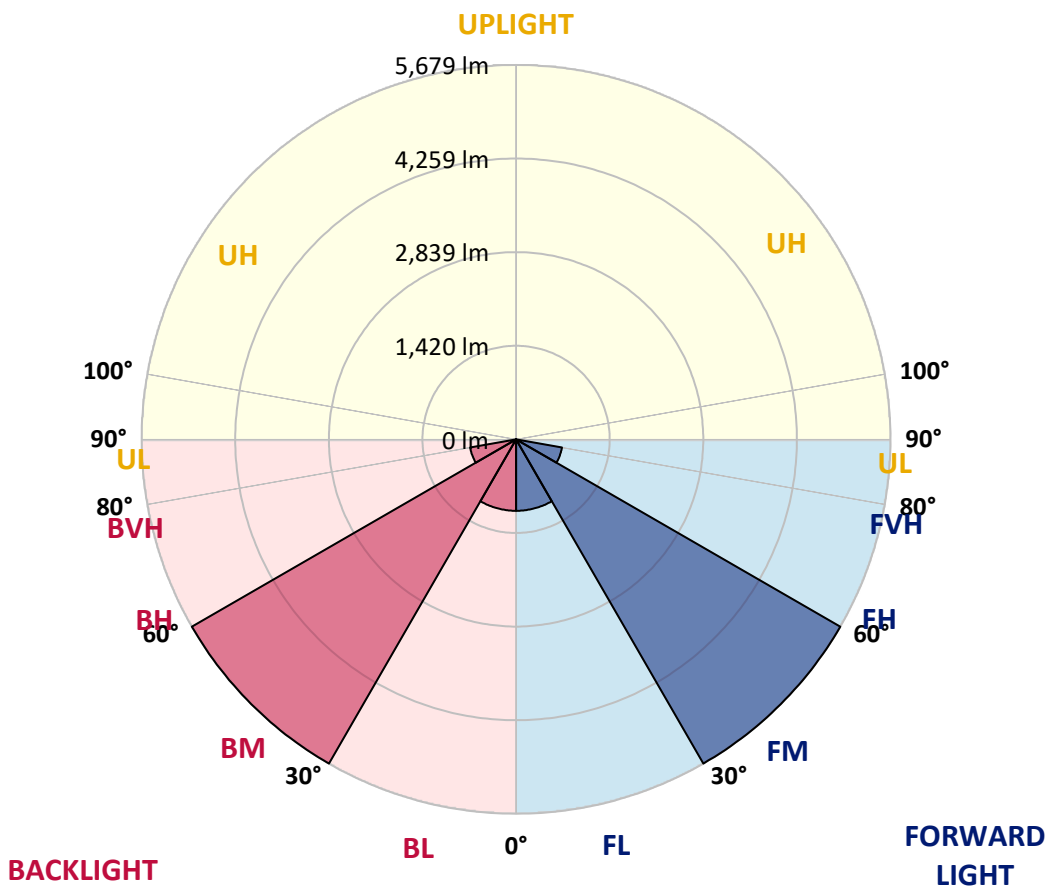
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.3	7.3			
FM (30°-60°)	5678.7	38.0			
FH (60°-80°)	707.1	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1083.3	7.3	B3/2500		
BM (30°-60°)	5678.7	38.0	B4/8500		
BH (60°-80°)	707.1	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	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°	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8	2483.8
2.5°	2466.2	2464.5	2471.5	2476.7	2476.7	2489.0	2485.5	2482.0	2478.5	2473.2	2485.5
5°	2462.7	2461.0	2466.2	2469.7	2466.2	2476.7	2469.7	2462.7	2459.2	2452.2	2466.2
7.5°	2447.0	2448.7	2452.2	2455.7	2450.5	2459.2	2450.5	2439.9	2431.2	2424.2	2436.4
10°	2422.4	2424.2	2427.7	2434.7	2436.4	2448.7	2436.4	2417.2	2404.9	2394.4	2406.6
12.5°	2410.1	2411.9	2417.2	2425.9	2427.7	2443.4	2427.7	2399.6	2382.1	2369.8	2382.1
15°	2413.6	2417.2	2424.2	2434.7	2438.2	2454.0	2432.9	2396.1	2371.6	2355.8	2366.3
17.5°	2425.9	2429.4	2439.9	2457.5	2469.7	2485.5	2459.2	2411.9	2378.6	2355.8	2366.3
20°	2441.7	2447.0	2464.5	2492.5	2518.8	2546.9	2513.6	2448.7	2404.9	2376.8	2385.6
22.5°	2485.5	2490.8	2515.3	2552.1	2595.9	2631.0	2590.7	2508.3	2448.7	2411.9	2420.7
25°	2574.9	2580.2	2611.7	2659.0	2715.1	2760.7	2709.9	2606.5	2529.3	2487.3	2490.8
27.5°	2715.1	2720.4	2757.2	2823.8	2899.2	2964.0	2890.4	2769.5	2681.8	2632.8	2632.8
30°	2892.2	2899.2	2948.3	3037.7	3155.1	3241.0	3141.1	2993.8	2881.7	2815.0	2816.8
32.5°	3120.0	3113.0	3183.1	3305.8	3472.4	3586.3	3439.1	3260.3	3121.8	3028.9	3037.7
35°	3412.8	3411.0	3489.9	3656.4	3873.8	4010.5	3835.2	3603.8	3437.3	3342.6	3344.4
37.5°	3789.6	3787.9	3879.0	4059.6	4320.7	4434.7	4238.3	4003.5	3824.7	3733.5	3744.0
40°	4231.3	4220.8	4301.4	4475.0	4736.1	4809.8	4595.9	4406.6	4234.8	4177.0	4205.0
42.5°	4652.0	4629.2	4676.5	4834.3	5035.9	5046.4	4885.1	4755.4	4638.0	4592.4	4609.9
45°	4990.3	4972.8	5016.6	5107.7	5223.4	5170.8	5093.7	5053.4	4958.8	4909.7	4925.5
47.5°	5242.7	5242.7	5295.3	5351.4	5368.9	5272.5	5284.8	5284.8	5190.1	5113.0	5093.7
50°	5460.1	5475.8	5554.7	5612.6	5554.7	5432.0	5502.1	5488.1	5295.3	5141.0	5100.7
52.5°	5807.1	5822.9	5943.8	6022.7	5957.9	5836.9	5845.7	5670.4	5386.4	5204.2	5141.0
55°	6175.2	6213.8	6389.1	6599.4	6601.2	6476.7	6245.3	5935.1	5589.8	5391.7	5326.8
57.5°	5693.2	5745.8	6006.9	6513.5	6879.9	6794.0	6241.8	5696.7	5230.4	4960.5	4923.7
60°	3917.6	4008.7	4269.9	4962.3	5668.7	5702.0	5049.9	4438.2	3903.6	3570.5	3577.5
62.5°	1654.7	1747.6	1894.8	2464.5	3113.0	3153.3	2837.8	2399.6	1963.2	1723.0	1759.8
65°	389.1	415.4	459.2	681.9	988.6	1034.2	953.5	743.2	548.6	464.5	473.3
67.5°	170.0	173.5	164.8	175.3	217.4	222.6	215.6	189.3	178.8	182.3	182.3
70°	119.2	120.9	113.9	108.7	103.4	96.4	99.9	110.4	119.2	126.2	124.5
72.5°	73.6	75.4	77.1	77.1	71.9	64.9	68.4	75.4	77.1	78.9	77.1
75°	36.8	38.6	42.1	43.8	42.1	40.3	40.3	42.1	42.1	40.3	40.3
77.5°	7.0	8.8	12.3	14.0	14.0	14.0	14.0	14.0	15.8	14.0	14.0
80°	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
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)