

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: P636308

Luminaire Tested: GWS-SA3F-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636308
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15281.4 lumens
Efficiency: N/A
Efficacy: 83.4 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

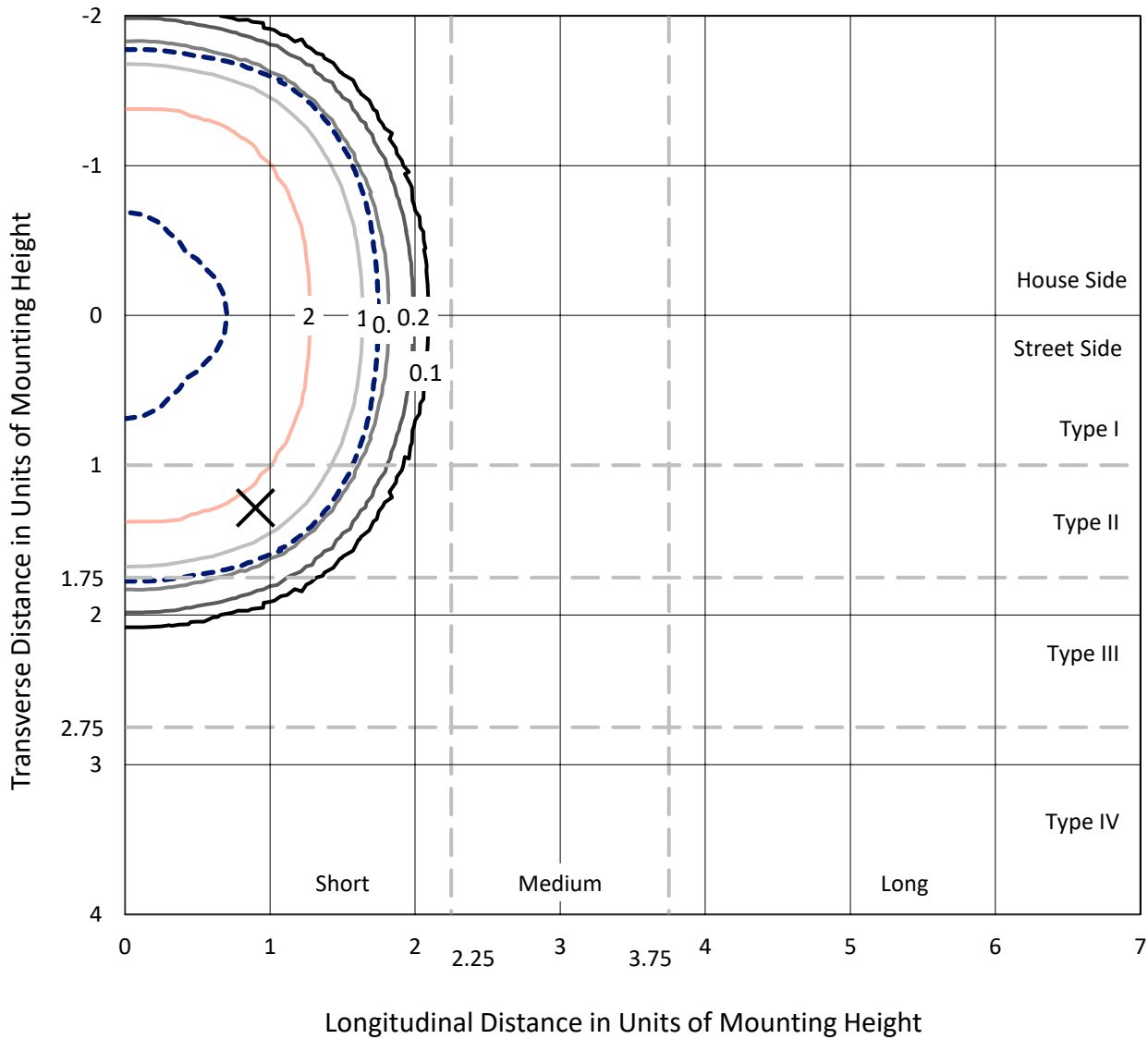
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

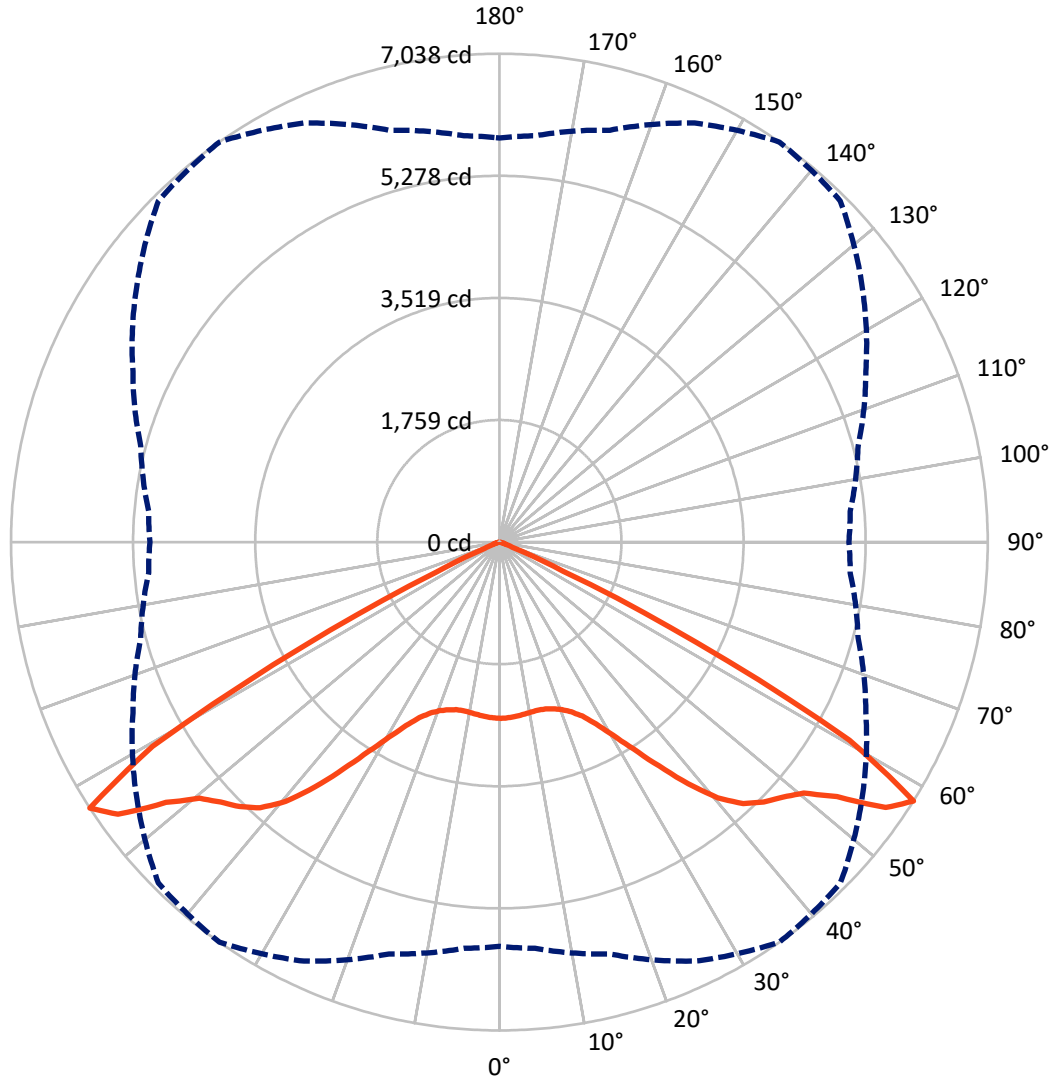
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	7640.7	0.0	7640.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7640.7	0.0	7640.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15281.4	0.0	15281.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.4	1.6
10°-20°	704.1	4.6
20°-30°	1272.7	8.3
30°-40°	2374.4	15.5
40°-50°	3983.1	26.1
50°-60°	5260.1	34.4
60°-70°	1397.0	9.1
70°-80°	49.6	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°	15281.4	100.0
0°-180°	15281.4	100.0

Coefficient of Utilization



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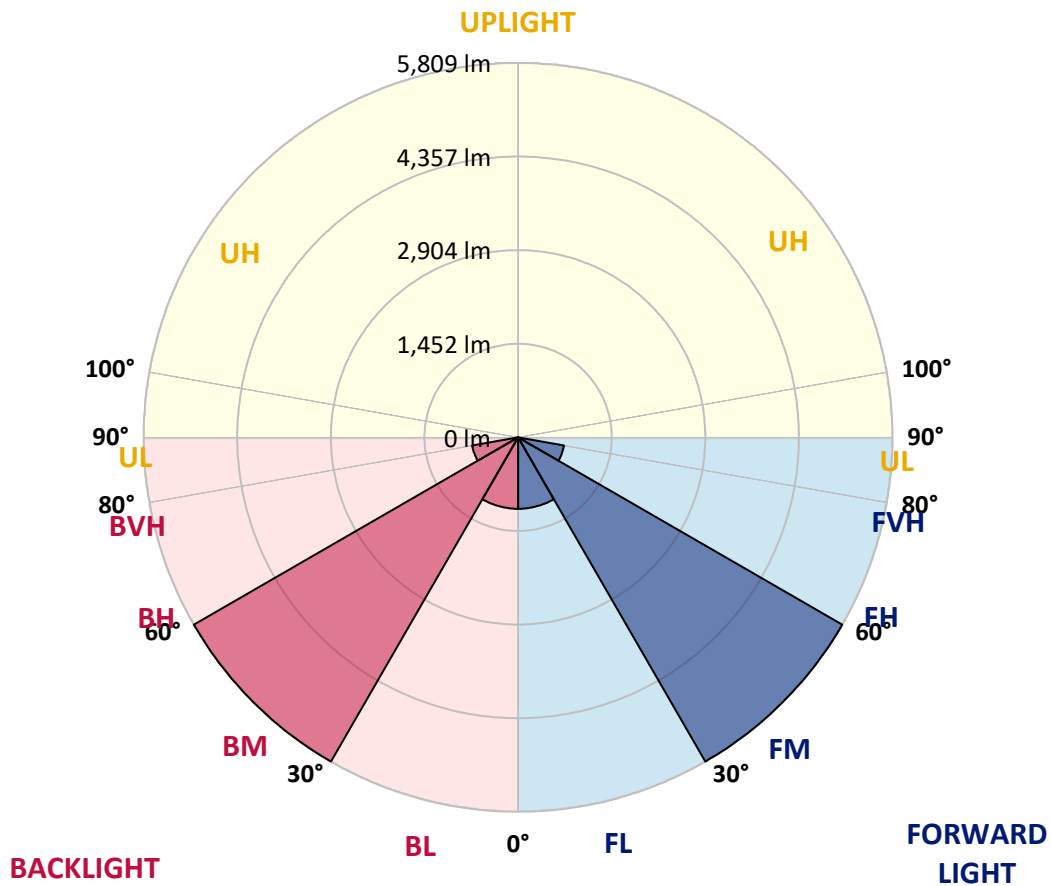
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1108.1	7.3			
FM (30°-60°)	5808.8	38.0			
FH (60°-80°)	723.3	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1108.1	7.3	B3/2500		
BM (30°-60°)	5808.8	38.0	B4/8500		
BH (60°-80°)	723.3	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°	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7	2540.7
2.5°	2522.7	2520.9	2528.1	2533.5	2533.5	2546.0	2542.5	2538.9	2535.3	2529.9	2542.5
5°	2519.2	2517.4	2522.7	2526.3	2522.7	2533.5	2526.3	2519.2	2515.6	2508.4	2522.7
7.5°	2503.0	2504.8	2508.4	2512.0	2506.6	2515.6	2506.6	2495.8	2486.9	2479.7	2492.3
10°	2477.9	2479.7	2483.3	2490.5	2492.3	2504.8	2492.3	2472.5	2460.0	2449.2	2461.8
12.5°	2465.4	2467.2	2472.5	2481.5	2483.3	2499.4	2483.3	2454.6	2436.7	2424.1	2436.7
15°	2469.0	2472.5	2479.7	2490.5	2494.1	2510.2	2488.7	2451.0	2425.9	2409.8	2420.5
17.5°	2481.5	2485.1	2495.8	2513.8	2526.3	2542.5	2515.6	2467.2	2433.1	2409.8	2420.5
20°	2497.6	2503.0	2520.9	2549.6	2576.5	2605.2	2571.2	2504.8	2460.0	2431.3	2440.3
22.5°	2542.5	2547.8	2572.9	2610.6	2655.4	2691.3	2650.0	2565.8	2504.8	2467.2	2476.1
25°	2633.9	2639.3	2671.6	2720.0	2777.3	2824.0	2772.0	2666.2	2587.3	2544.3	2547.8
27.5°	2777.3	2782.7	2820.4	2888.5	2965.6	3032.0	2956.6	2832.9	2743.3	2693.1	2693.1
30°	2958.4	2965.6	3015.8	3107.3	3227.4	3315.2	3213.0	3062.4	2947.7	2879.5	2881.3
32.5°	3191.5	3184.4	3256.1	3381.6	3551.9	3668.5	3517.9	3335.0	3193.3	3098.3	3107.3
35°	3491.0	3489.2	3569.8	3740.2	3962.5	4102.4	3923.1	3686.4	3516.1	3419.2	3421.0
37.5°	3876.4	3874.7	3967.9	4152.6	4419.7	4536.3	4335.5	4095.2	3912.3	3819.1	3829.8
40°	4328.3	4317.5	4400.0	4577.5	4844.7	4920.0	4701.2	4507.6	4331.9	4272.7	4301.4
42.5°	4758.6	4735.3	4783.7	4945.1	5151.3	5162.0	4997.1	4864.4	4744.3	4697.6	4715.6
45°	5104.6	5086.7	5131.5	5224.8	5343.1	5289.3	5210.4	5169.2	5072.4	5022.2	5038.3
47.5°	5362.8	5362.8	5416.6	5474.0	5491.9	5393.3	5405.9	5405.9	5309.1	5230.2	5210.4
50°	5585.2	5601.3	5682.0	5741.2	5682.0	5556.5	5628.2	5613.9	5416.6	5258.8	5217.6
52.5°	5940.2	5956.3	6080.0	6160.7	6094.4	5970.7	5979.6	5800.3	5509.9	5323.4	5258.8
55°	6316.7	6356.2	6535.5	6750.6	6752.4	6625.1	6388.4	6071.1	5717.9	5515.2	5448.9
57.5°	5823.6	5877.4	6144.6	6662.8	7037.5	6949.6	6384.8	5827.2	5350.3	5074.2	5036.5
60°	4007.3	4100.6	4367.7	5076.0	5798.5	5832.6	5165.6	4539.9	3993.0	3652.3	3659.5
62.5°	1692.6	1787.6	1938.2	2520.9	3184.4	3225.6	2902.9	2454.6	2008.2	1762.5	1800.2
65°	398.0	424.9	469.8	697.5	1011.2	1057.9	975.4	760.2	561.2	475.1	484.1
67.5°	173.9	177.5	168.5	179.3	222.3	227.7	220.5	193.6	182.9	186.5	186.5
70°	121.9	123.7	116.5	111.2	105.8	98.6	102.2	113.0	121.9	129.1	127.3
72.5°	75.3	77.1	78.9	78.9	73.5	66.3	69.9	77.1	78.9	80.7	78.9
75°	37.7	39.4	43.0	44.8	43.0	41.2	41.2	43.0	43.0	41.2	41.2
77.5°	7.2	9.0	12.6	14.3	14.3	14.3	14.3	14.3	16.1	14.3	14.3
80°	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
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)