

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: P635268

Luminaire Tested: GWS-SA3D-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18393.6 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

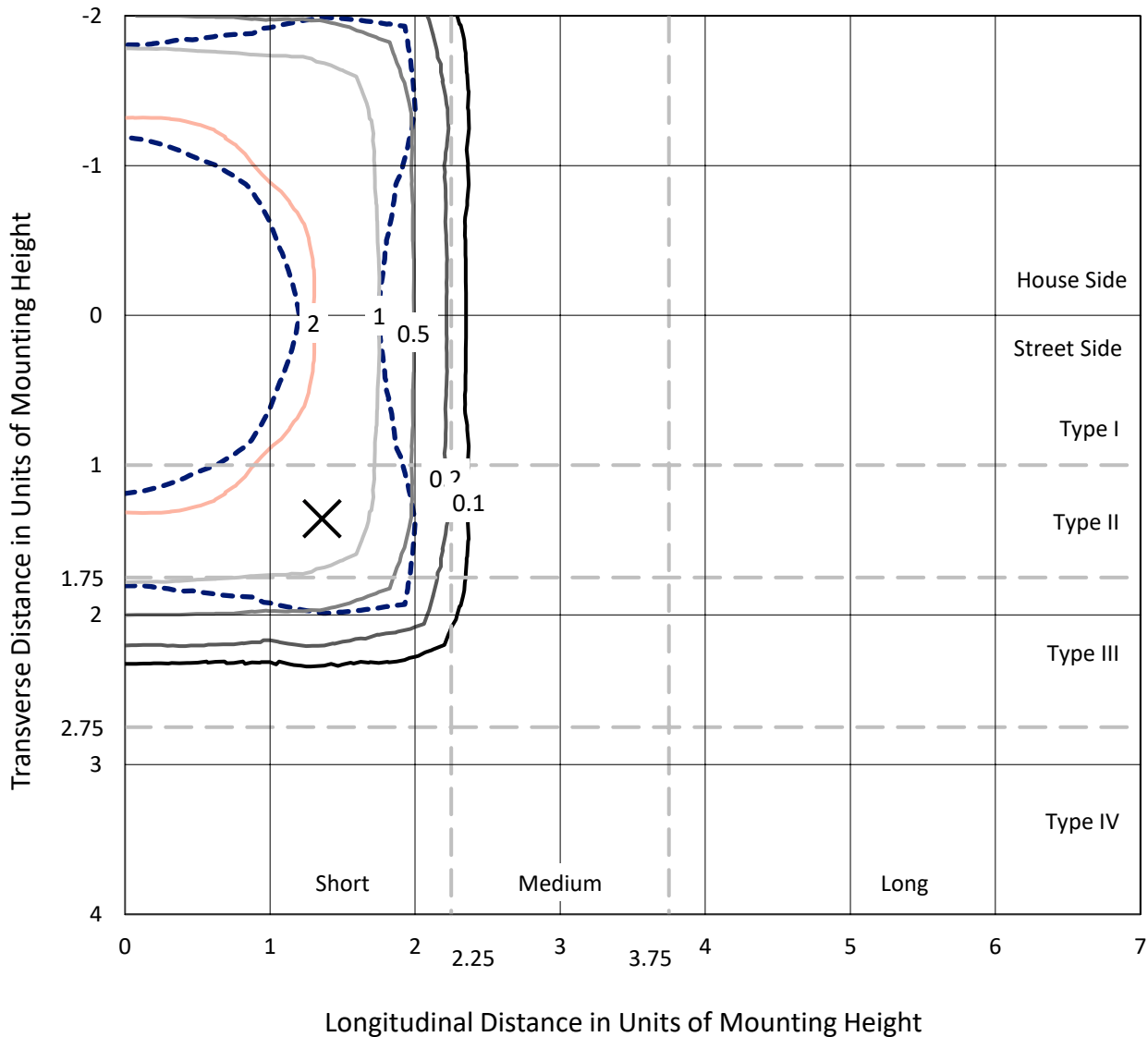
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

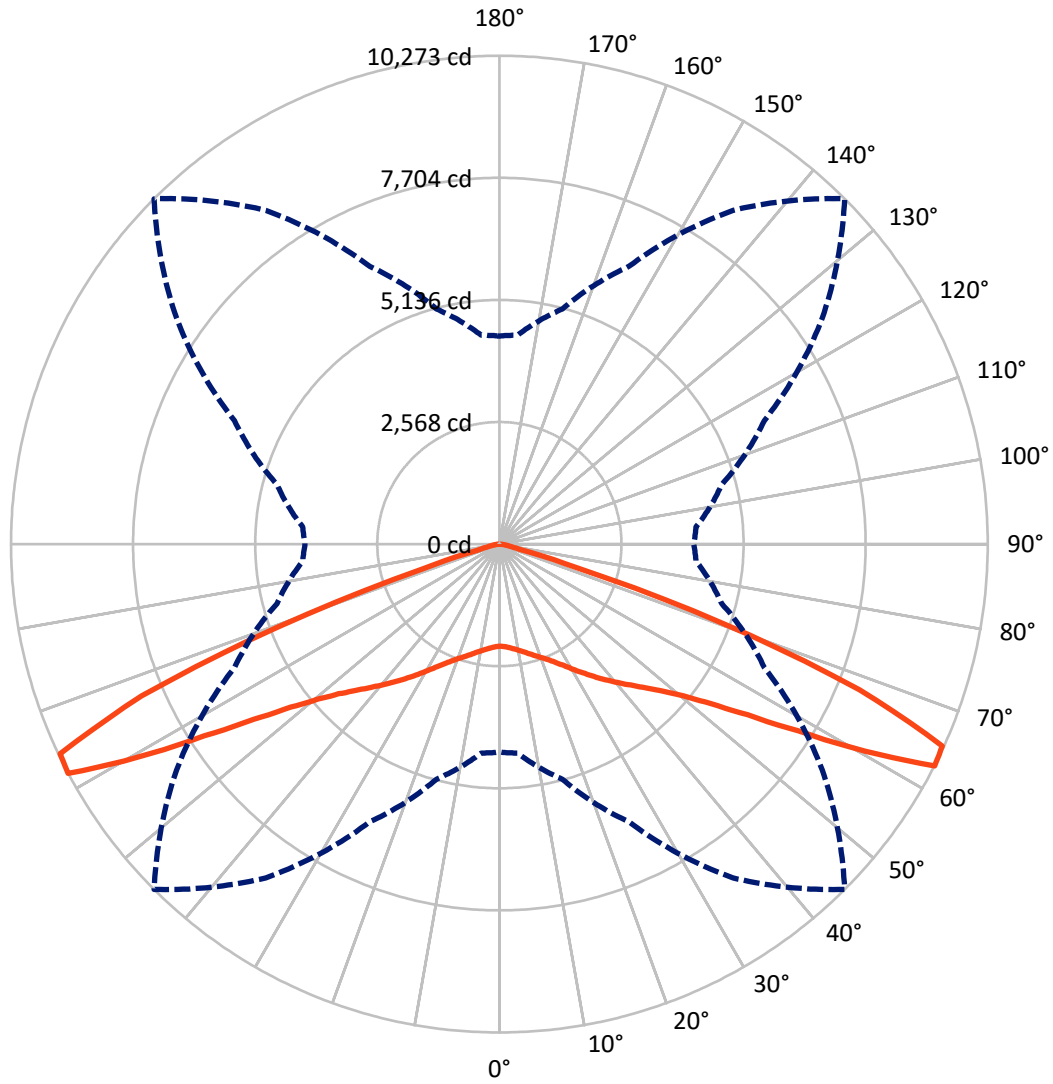
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9196.8	0.0	9196.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9196.8	0.0	9196.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18393.6	0.0	18393.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	1.1
10°-20°	679.0	3.7
20°-30°	1284.5	7.0
30°-40°	2162.0	11.8
40°-50°	3454.2	18.8
50°-60°	5568.0	30.3
60°-70°	4542.9	24.7
70°-80°	441.2	2.4
80°-90°	51.3	0.3
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°	18393.6	100.0
0°-180°	18393.6	100.0

Coefficient of Utilization



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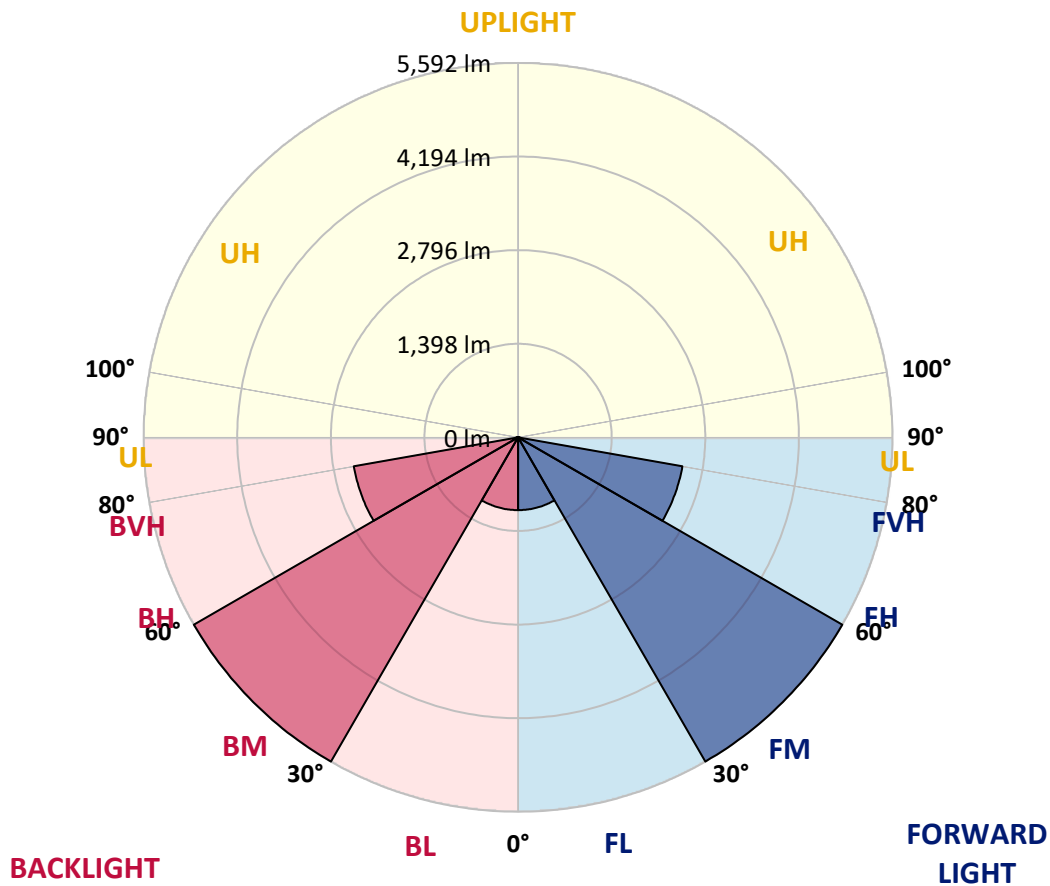
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1087.0	5.9			
FM (30°-60°)	5592.1	30.4			
FH (60°-80°)	2492.0	13.5			G2/5000
FVH (80°-90°)	25.7	0.1			G1/100
BL (0°-30°)	1087.0	5.9	B3/2500		
BM (30°-60°)	5592.1	30.4	B4/8500		
BH (60°-80°)	2492.0	13.5	B3/2500		G2/5000
BVH (80°-90°)	25.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9	2145.9
2.5°	2143.3	2143.3	2148.4	2152.2	2149.6	2159.7	2158.5	2156.0	2154.7	2150.9	2162.3
5°	2172.4	2172.4	2176.1	2179.9	2173.6	2186.2	2181.2	2178.7	2177.4	2172.4	2182.4
7.5°	2205.2	2208.9	2210.2	2216.5	2212.7	2226.6	2222.8	2217.8	2215.2	2208.9	2217.8
10°	2241.7	2244.3	2245.5	2256.9	2258.1	2274.5	2270.8	2264.4	2259.4	2253.1	2265.7
12.5°	2290.9	2292.2	2296.0	2309.9	2313.6	2326.3	2325.0	2316.2	2309.9	2301.0	2314.9
15°	2354.0	2355.3	2361.6	2375.5	2381.8	2396.9	2391.9	2378.0	2369.2	2359.1	2370.4
17.5°	2419.6	2424.7	2431.0	2444.8	2453.7	2471.3	2465.0	2449.9	2442.3	2432.2	2439.8
20°	2504.1	2505.4	2509.2	2524.3	2530.6	2550.8	2552.1	2536.9	2533.2	2523.1	2534.4
22.5°	2597.5	2598.8	2602.5	2618.9	2630.3	2642.9	2650.5	2641.6	2635.3	2622.7	2636.6
25°	2700.9	2713.5	2717.3	2737.5	2750.1	2757.7	2766.5	2762.7	2753.9	2738.8	2745.1
27.5°	2846.0	2848.5	2854.8	2877.5	2885.1	2892.7	2901.5	2902.8	2890.2	2872.5	2881.3
30°	3011.3	3010.0	3023.9	3041.5	3047.9	3054.2	3066.8	3074.3	3057.9	3039.0	3047.9
32.5°	3180.3	3195.5	3213.1	3229.5	3225.7	3228.3	3248.4	3262.3	3239.6	3205.5	3213.1
35°	3370.8	3380.9	3403.6	3427.6	3422.5	3418.7	3431.4	3445.2	3413.7	3369.5	3380.9
37.5°	3566.3	3581.5	3615.5	3644.6	3637.0	3619.3	3633.2	3648.3	3618.1	3567.6	3562.6
40°	3784.6	3808.6	3857.8	3881.7	3861.5	3827.5	3851.4	3888.0	3857.8	3799.7	3785.8
42.5°	4040.7	4069.7	4118.9	4155.5	4111.3	4055.8	4096.2	4149.2	4141.6	4064.6	4040.7
45°	4357.3	4376.2	4436.8	4454.5	4388.9	4311.9	4385.1	4465.8	4446.9	4363.6	4332.1
47.5°	4701.7	4730.7	4783.7	4816.5	4710.6	4614.7	4716.9	4825.3	4805.2	4727.0	4690.4
50°	5140.7	5178.6	5248.0	5275.7	5129.4	5019.6	5150.8	5288.3	5249.2	5144.5	5096.6
52.5°	5618.9	5649.1	5767.7	5823.2	5685.7	5567.1	5681.9	5816.9	5733.7	5594.9	5530.5
55°	6040.2	6070.5	6244.6	6428.8	6422.4	6340.4	6398.5	6401.0	6175.2	5945.6	5877.5
57.5°	6131.0	6161.3	6493.1	6975.0	7315.6	7410.2	7239.9	6881.6	6312.7	5910.3	5833.3
60°	5646.6	5680.7	6208.0	7088.5	8208.8	8840.8	8056.1	6871.6	5887.6	5342.6	5269.4
62.5°	4375.0	4411.6	5120.5	6442.6	8569.6	10272.6	8293.3	6148.7	4843.0	4153.0	4088.6
65°	2089.1	2089.1	2989.8	4621.0	7850.5	10238.6	7607.0	4549.1	2915.4	2239.2	2183.7
67.5°	517.2	519.8	769.5	1798.9	5340.1	8170.9	5427.1	2183.7	1026.9	726.6	707.7
70°	323.0	321.7	357.0	487.0	1868.3	4959.1	2219.0	658.5	417.6	368.4	365.8
72.5°	251.0	251.0	268.7	311.6	489.5	1689.2	647.2	365.8	302.8	272.5	272.5
75°	198.1	198.1	210.7	233.4	288.9	435.2	344.4	271.2	234.6	214.5	211.9
77.5°	147.6	150.1	160.2	175.4	196.8	244.7	218.2	204.4	182.9	167.8	162.7
80°	95.9	99.7	112.3	121.1	128.7	161.5	142.6	148.9	138.8	121.1	118.6
82.5°	51.7	53.0	68.1	70.6	73.2	88.3	90.8	94.6	98.4	77.0	71.9
85°	18.9	18.9	22.7	26.5	29.0	31.5	42.9	53.0	55.5	44.2	42.9
87.5°	3.8	3.8	3.8	2.5	2.5	2.5	7.6	13.9	22.7	17.7	17.7
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)