

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: P635047

Luminaire Tested: GWS-SA3D-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11751.4 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

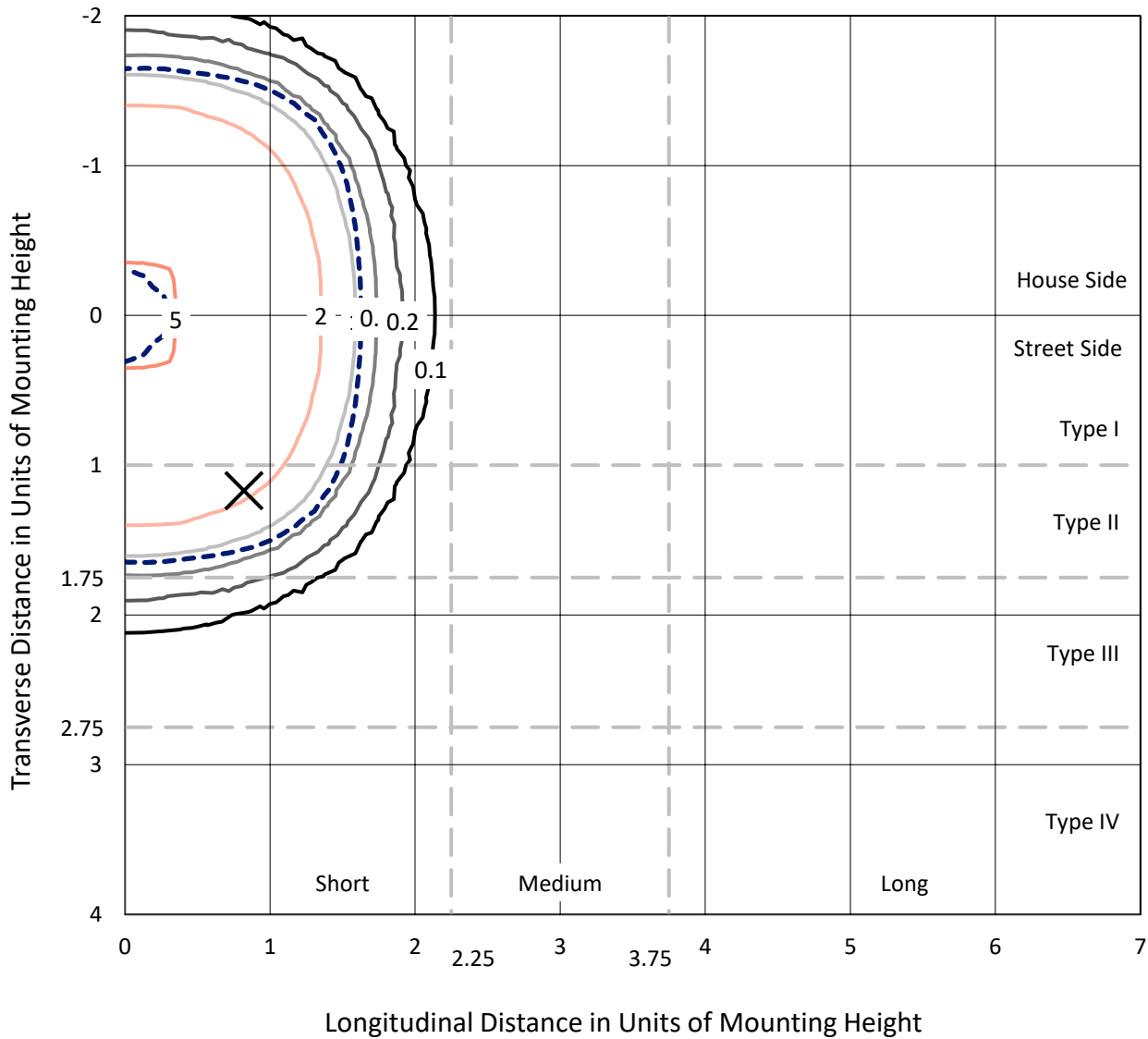
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

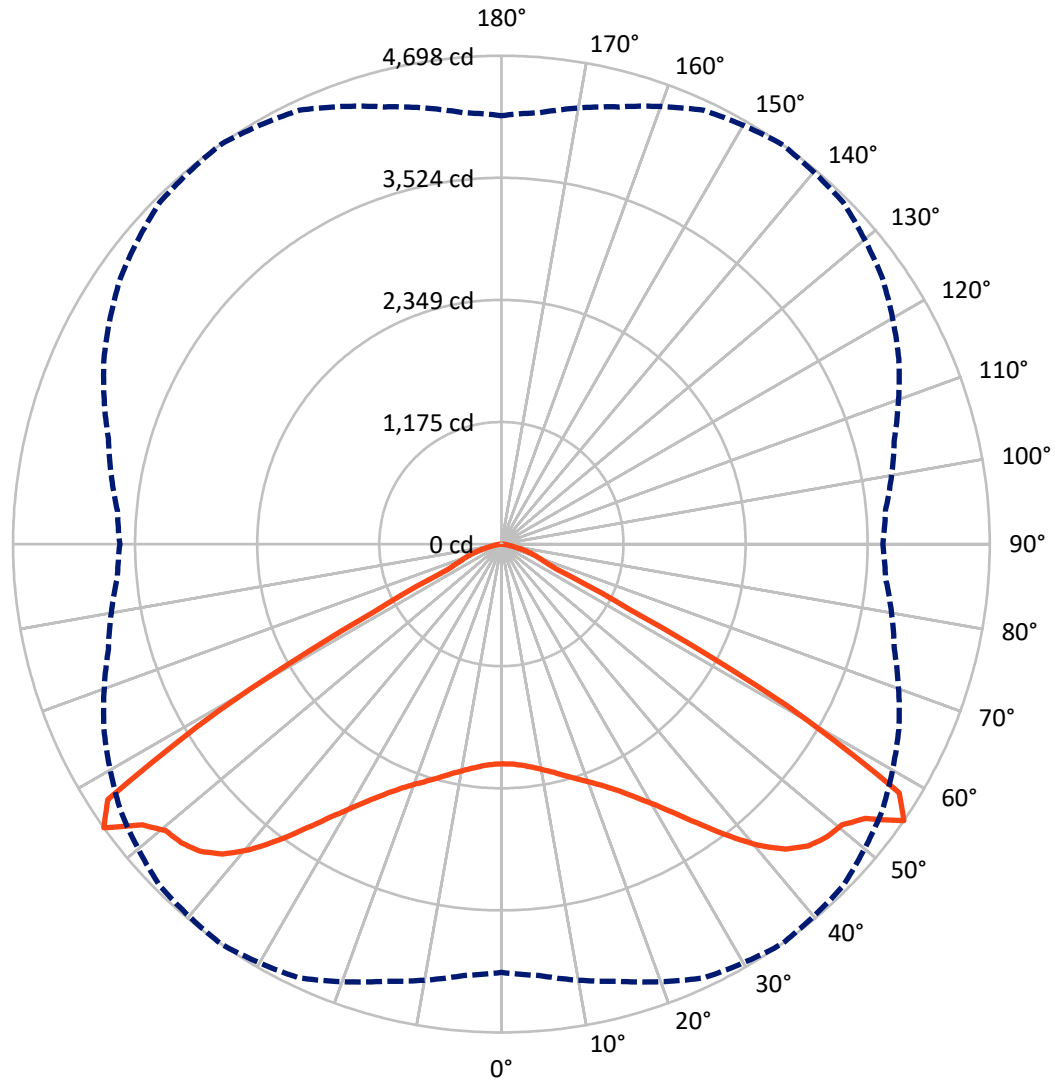
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5875.7	0.0	5875.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5875.7	0.0	5875.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11751.4	0.0	11751.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.2	1.8
10°-20°	656.5	5.6
20°-30°	1215.1	10.3
30°-40°	2032.6	17.3
40°-50°	3097.3	26.4
50°-60°	3469.6	29.5
60°-70°	821.0	7.0
70°-80°	221.3	1.9
80°-90°	31.8	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°	11751.4	100.0
0°-180°	11751.4	100.0

Coefficient of Utilization



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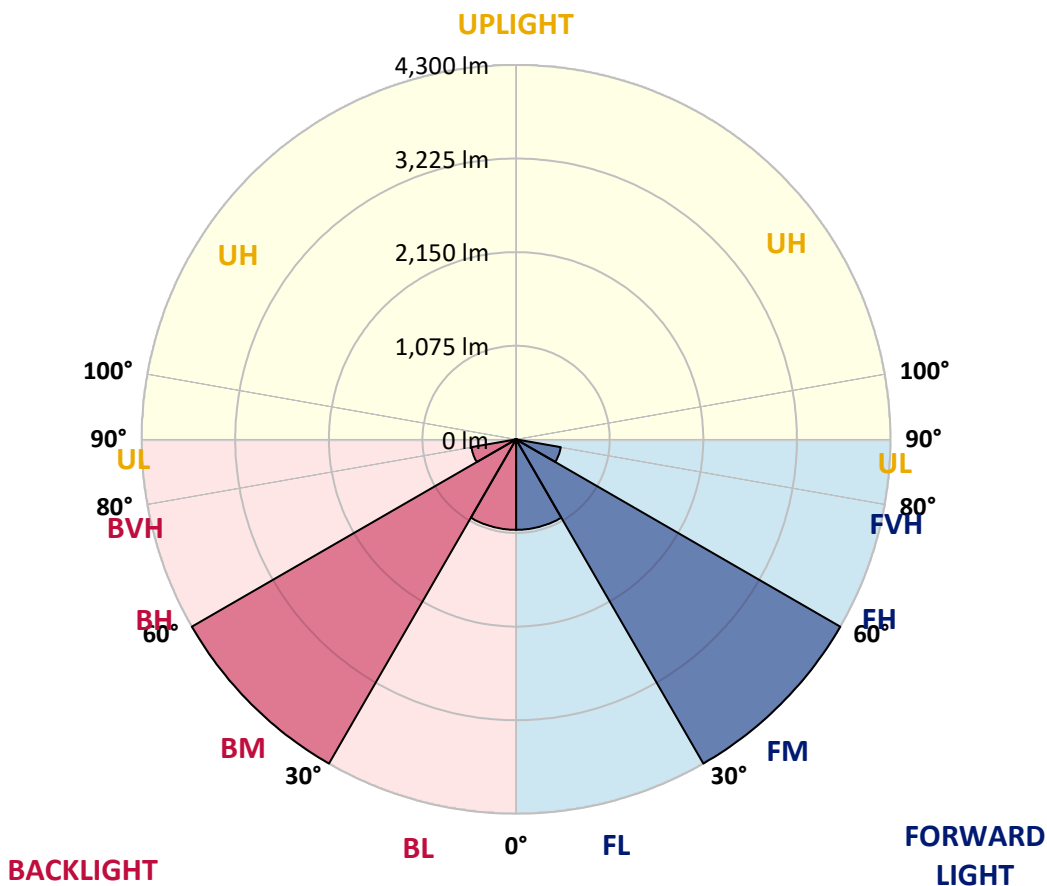
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.9	8.8			
FM (30°-60°)	4299.7	36.6			
FH (60°-80°)	521.1	4.4			G0/660
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	1038.9	8.8	B3/2500		
BM (30°-60°)	4299.7	36.6	B3/5000		
BH (60°-80°)	521.1	4.4	B2/1000		G0/660
BVH (80°-90°)	15.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1	2114.1
2.5°	2109.5	2109.5	2113.2	2117.8	2118.8	2128.0	2126.2	2122.5	2120.6	2116.9	2125.3
5°	2132.7	2133.6	2136.4	2139.2	2137.3	2144.8	2142.0	2137.3	2134.6	2129.9	2138.3
7.5°	2163.4	2163.4	2166.1	2169.9	2168.0	2179.2	2173.6	2167.1	2162.4	2156.9	2164.3
10°	2191.2	2193.1	2195.9	2203.3	2207.0	2219.1	2215.4	2206.1	2198.7	2192.2	2200.5
12.5°	2233.1	2234.9	2237.7	2247.9	2254.4	2266.5	2260.9	2247.9	2236.8	2227.5	2236.8
15°	2287.0	2285.1	2292.5	2305.5	2313.9	2325.1	2318.5	2296.2	2281.4	2269.3	2278.6
17.5°	2341.8	2340.9	2348.3	2365.0	2377.1	2392.0	2380.8	2354.8	2339.0	2324.1	2333.4
20°	2401.3	2404.0	2411.5	2427.3	2444.9	2464.4	2455.2	2427.3	2409.6	2392.9	2400.3
22.5°	2474.7	2475.6	2484.0	2504.4	2527.6	2546.2	2540.6	2506.3	2484.0	2466.3	2475.6
25°	2562.9	2562.0	2573.2	2597.3	2629.9	2648.4	2636.4	2598.3	2574.1	2553.7	2561.1
27.5°	2664.2	2663.3	2680.0	2711.6	2758.1	2784.1	2759.0	2711.6	2678.2	2649.4	2655.9
30°	2791.6	2788.8	2807.4	2850.1	2910.5	2954.2	2917.0	2851.0	2807.4	2776.7	2783.2
32.5°	2932.8	2936.5	2959.8	3017.4	3093.6	3150.3	3094.5	3021.1	2962.5	2917.9	2925.4
35°	3088.0	3088.0	3135.4	3206.9	3315.7	3390.9	3304.5	3198.6	3120.5	3059.2	3061.0
37.5°	3260.8	3262.7	3325.0	3423.5	3565.6	3653.9	3536.8	3405.8	3311.0	3245.0	3241.3
40°	3471.8	3477.4	3541.5	3651.1	3811.0	3891.8	3766.4	3638.1	3541.5	3463.4	3456.0
42.5°	3709.7	3711.5	3779.4	3877.9	4012.6	4060.9	3962.4	3857.4	3778.4	3707.8	3700.4
45°	3936.4	3931.8	3990.3	4063.7	4141.8	4146.4	4091.6	4048.9	3980.1	3919.7	3908.5
47.5°	4113.0	4109.3	4162.2	4202.2	4211.5	4166.0	4183.6	4190.1	4110.2	4028.4	4007.0
50°	4220.8	4228.2	4278.4	4300.7	4245.9	4171.5	4238.4	4221.7	4107.4	4000.5	3966.2
52.5°	4285.8	4297.0	4384.3	4441.0	4384.3	4313.7	4323.0	4224.5	4060.0	3918.8	3874.2
55°	4121.3	4166.0	4354.6	4605.5	4698.4	4649.2	4472.6	4218.9	3914.1	3708.8	3670.6
57.5°	3054.5	3125.2	3404.9	3948.5	4513.5	4692.9	4177.1	3536.8	3075.0	2811.1	2788.8
60°	1559.3	1638.3	1862.3	2420.8	3147.5	3400.2	2909.6	2264.7	1800.0	1586.3	1562.1
62.5°	636.6	649.6	723.0	938.6	1391.1	1604.9	1409.7	989.7	743.4	684.9	685.8
65°	500.9	503.7	500.0	513.0	582.7	646.8	597.5	525.0	512.0	518.5	513.9
67.5°	436.8	437.7	434.9	434.9	437.7	434.9	440.5	443.3	445.1	452.6	447.9
70°	365.2	366.1	366.1	368.0	367.1	362.4	370.8	374.5	375.4	380.1	377.3
72.5°	282.5	285.3	287.1	288.1	287.1	284.4	289.0	295.5	294.6	299.2	294.6
75°	191.4	195.1	197.0	200.7	199.8	199.8	205.4	208.2	205.4	209.1	205.4
77.5°	108.7	111.5	117.1	120.8	124.5	127.3	131.0	132.9	132.0	133.8	132.0
80°	63.2	64.1	68.8	70.6	75.3	79.9	83.6	85.5	86.4	87.4	86.4
82.5°	36.2	37.2	39.0	40.9	44.6	48.3	52.0	54.8	54.8	55.8	54.8
85°	17.7	17.7	18.6	19.5	21.4	24.2	26.9	29.7	30.7	30.7	30.7
87.5°	2.8	2.8	3.7	3.7	4.6	5.6	7.4	9.3	10.2	10.2	10.2
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)