

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: P635044

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 11350 lumens
Efficiency: N/A
Efficacy: 94.0 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

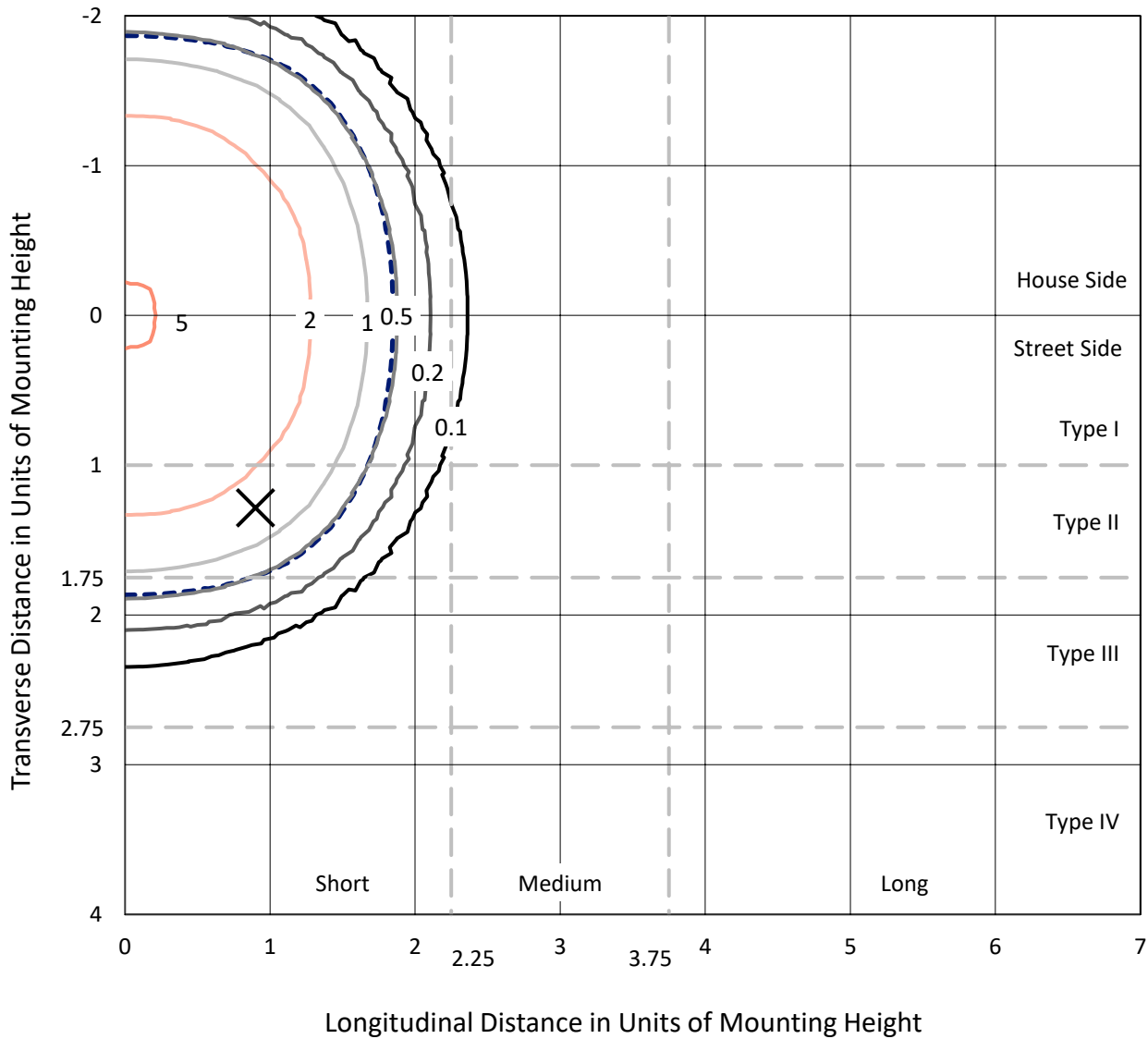
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

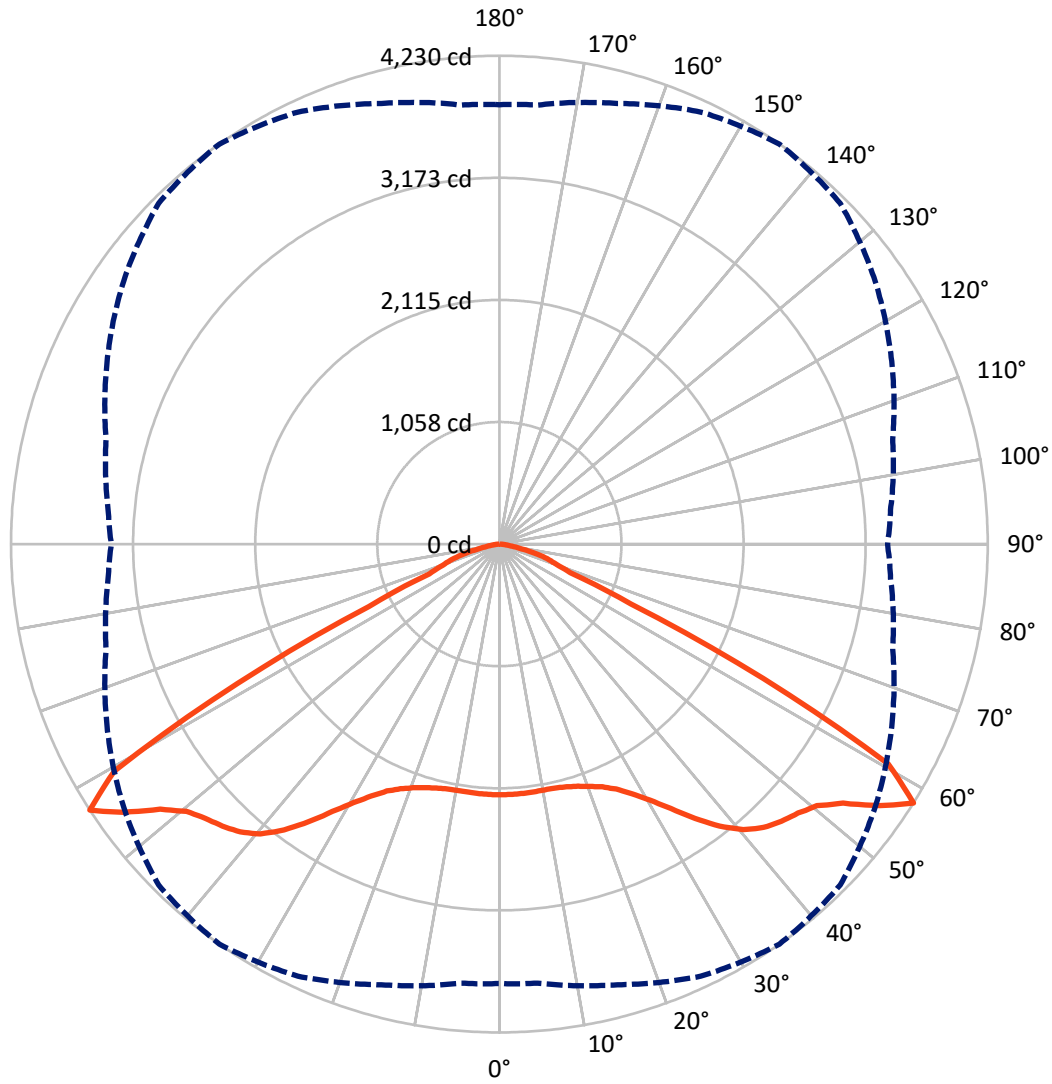
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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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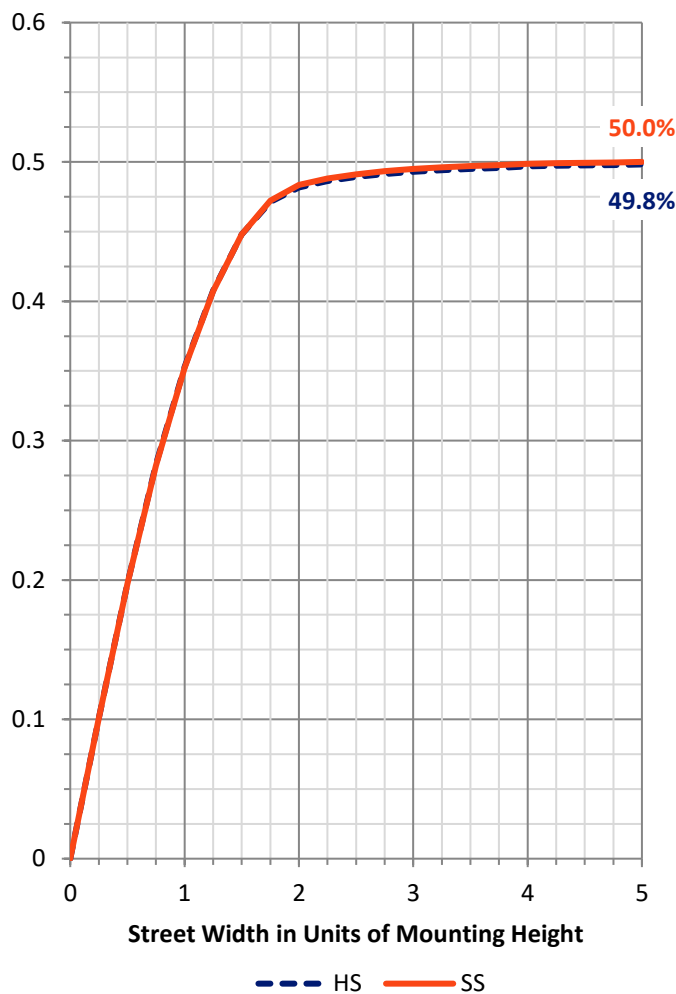
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5675.0	0.0	5675.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5675.0	0.0	5675.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11350.0	0.0	11350.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.6	1.8
10°-20°	616.4	5.4
20°-30°	1075.5	9.5
30°-40°	1763.6	15.5
40°-50°	2597.3	22.9
50°-60°	3314.6	29.2
60°-70°	1396.9	12.3
70°-80°	333.7	2.9
80°-90°	45.4	0.4
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°	11350.0	100.0
0°-180°	11350.0	100.0

Coefficient of Utilization



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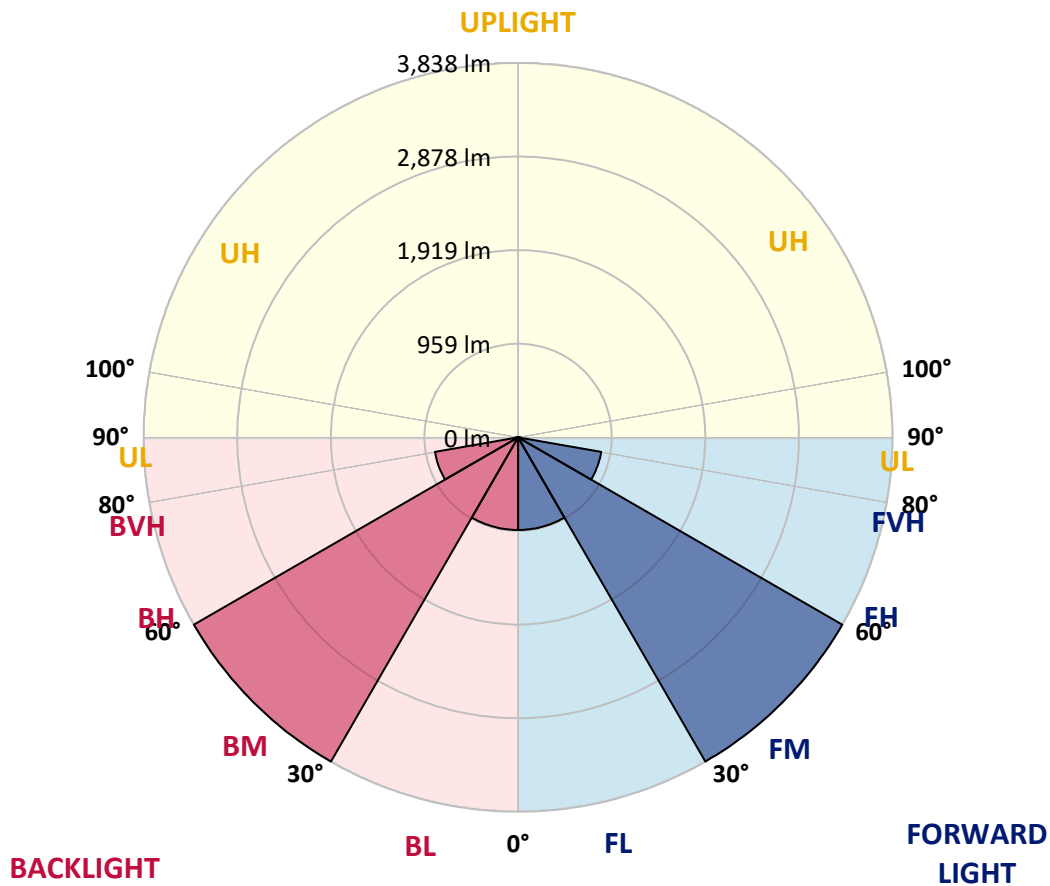
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.2	8.4			
FM (30°-60°)	3837.7	33.8			
FH (60°-80°)	865.3	7.6			G1/1800
FVH (80°-90°)	22.7	0.2			G1/100
BL (0°-30°)	949.2	8.4	B2/1000		
BM (30°-60°)	3837.7	33.8	B3/5000		
BH (60°-80°)	865.3	7.6	B2/1000		G1/1800
BVH (80°-90°)	22.7	0.2			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°	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7	2171.7
2.5°	2158.7	2158.7	2163.3	2168.0	2169.8	2178.2	2177.3	2174.5	2172.6	2167.0	2174.5
5°	2163.3	2163.3	2167.0	2169.8	2168.9	2175.4	2172.6	2168.0	2165.2	2159.6	2168.0
7.5°	2162.4	2162.4	2165.2	2168.0	2166.1	2171.7	2167.0	2160.5	2155.9	2150.3	2157.8
10°	2150.3	2152.2	2155.0	2161.5	2164.3	2172.6	2166.1	2155.9	2148.5	2142.0	2149.4
12.5°	2148.5	2150.3	2154.0	2162.4	2167.0	2179.1	2170.8	2154.0	2142.9	2134.5	2142.0
15°	2156.8	2158.7	2164.3	2174.5	2181.9	2194.9	2182.8	2159.6	2143.8	2132.7	2139.2
17.5°	2167.0	2169.8	2178.2	2193.1	2205.1	2219.1	2204.2	2176.3	2154.0	2139.2	2144.7
20°	2178.2	2181.9	2194.9	2217.2	2239.5	2257.2	2238.6	2201.4	2174.5	2155.0	2160.5
22.5°	2197.7	2202.4	2219.1	2250.7	2284.1	2310.2	2286.9	2236.7	2201.4	2176.3	2181.0
25°	2237.7	2243.2	2264.6	2302.7	2350.1	2381.7	2349.2	2292.5	2243.2	2212.6	2217.2
27.5°	2308.3	2311.1	2339.0	2389.1	2447.7	2483.9	2444.9	2378.0	2323.2	2287.9	2291.6
30°	2401.2	2409.6	2437.5	2503.4	2573.1	2621.5	2570.3	2491.4	2428.2	2385.4	2389.1
32.5°	2514.6	2520.2	2562.0	2630.7	2731.1	2786.9	2717.2	2623.3	2547.1	2495.1	2498.8
35°	2663.3	2667.9	2707.9	2795.2	2917.0	2969.0	2889.1	2781.3	2693.0	2643.8	2657.7
37.5°	2840.8	2849.1	2877.9	2964.4	3100.0	3151.1	3059.1	2958.8	2866.8	2821.2	2831.5
40°	3031.3	3030.3	3053.6	3129.8	3253.4	3285.0	3202.2	3122.3	3043.3	3013.6	3030.3
42.5°	3194.8	3190.2	3206.9	3270.1	3355.6	3358.4	3303.5	3258.9	3203.2	3182.7	3198.5
45°	3309.1	3311.0	3336.1	3379.7	3423.4	3400.2	3383.5	3376.0	3332.3	3304.5	3307.3
47.5°	3399.3	3406.7	3446.6	3476.4	3482.0	3442.9	3466.2	3477.3	3441.1	3398.3	3386.2
50°	3479.2	3491.2	3543.3	3574.9	3562.8	3513.6	3559.1	3575.8	3495.9	3414.1	3390.0
52.5°	3624.1	3638.1	3701.3	3742.2	3728.2	3679.0	3721.7	3662.2	3527.5	3427.1	3396.5
55°	3855.5	3862.0	3939.2	4006.1	3999.6	3939.2	3904.8	3772.8	3609.3	3505.2	3476.4
57.5°	3806.3	3817.4	3951.2	4129.7	4230.0	4175.2	3973.5	3748.7	3526.6	3401.1	3362.1
60°	2995.0	3022.0	3188.3	3502.4	3870.4	3869.5	3495.0	3145.6	2877.9	2711.6	2694.9
62.5°	1748.9	1767.5	1918.9	2236.7	2566.6	2587.1	2324.1	2084.3	1850.2	1737.7	1683.8
65°	828.0	827.0	887.4	1030.6	1253.6	1271.2	1192.2	1061.2	922.8	884.7	874.4
67.5°	611.5	611.5	606.8	617.0	659.8	669.1	659.8	638.4	625.4	633.8	628.2
70°	530.6	531.5	526.0	523.2	523.2	520.4	524.1	532.5	538.0	549.2	543.6
72.5°	430.2	431.2	431.2	432.1	433.0	429.3	434.9	439.5	440.5	444.2	440.5
75°	305.7	307.6	313.2	317.8	321.5	321.5	323.4	324.3	320.6	325.2	317.8
77.5°	168.2	170.1	180.3	188.6	197.0	197.9	200.7	202.6	200.7	204.4	198.9
80°	92.9	94.8	99.4	103.1	109.7	115.2	118.9	120.8	120.8	123.6	120.8
82.5°	53.0	54.8	57.6	59.5	65.0	69.7	73.4	76.2	76.2	77.1	75.3
85°	25.1	25.1	26.9	28.8	31.6	33.5	38.1	40.9	40.9	42.7	40.9
87.5°	3.7	4.6	5.6	5.6	7.4	9.3	11.2	12.1	13.9	14.9	14.9
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)