

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: P637523

Luminaire Tested: GWS-SA4D-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637523
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-SA4D-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18853.8 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

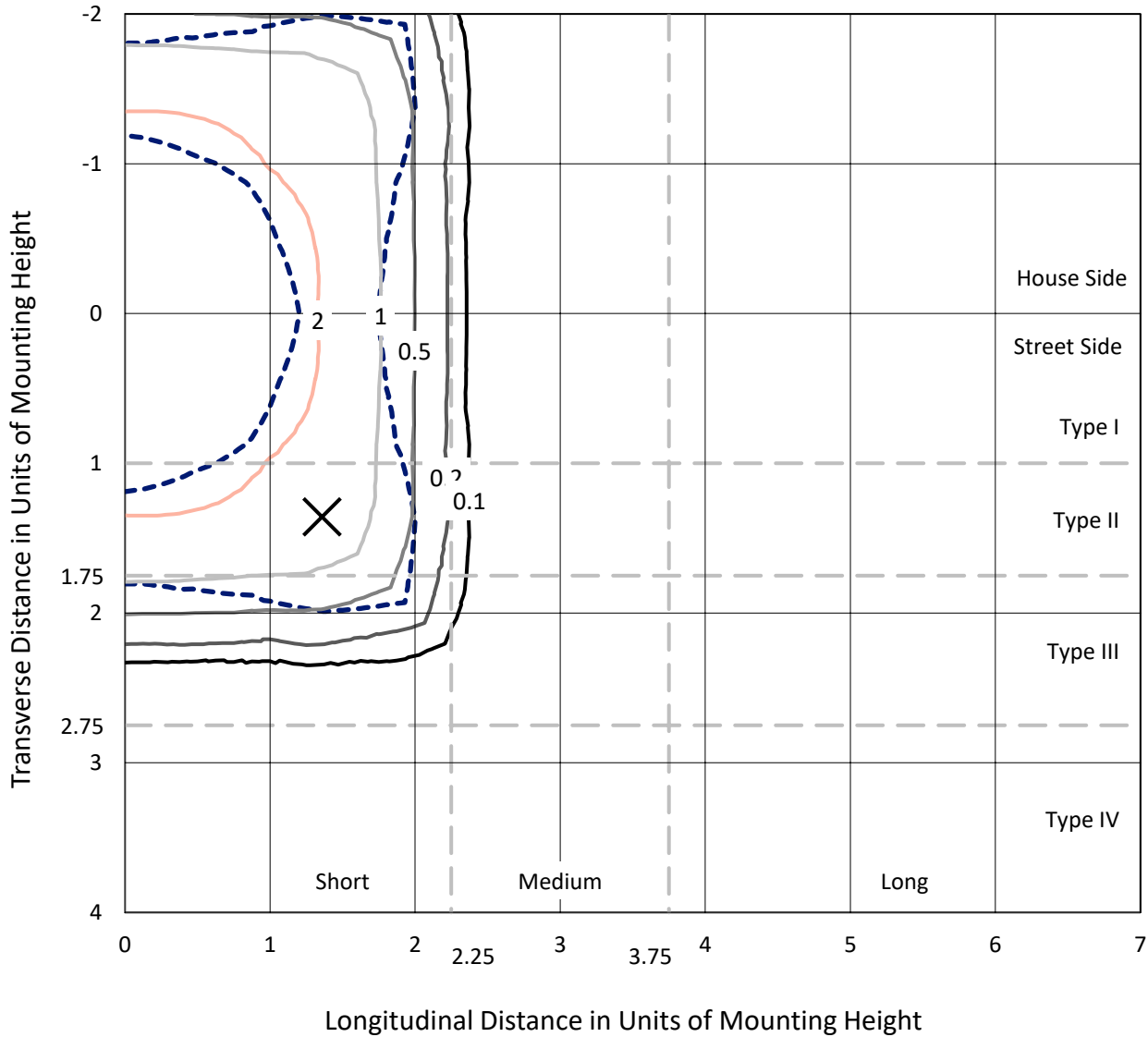
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

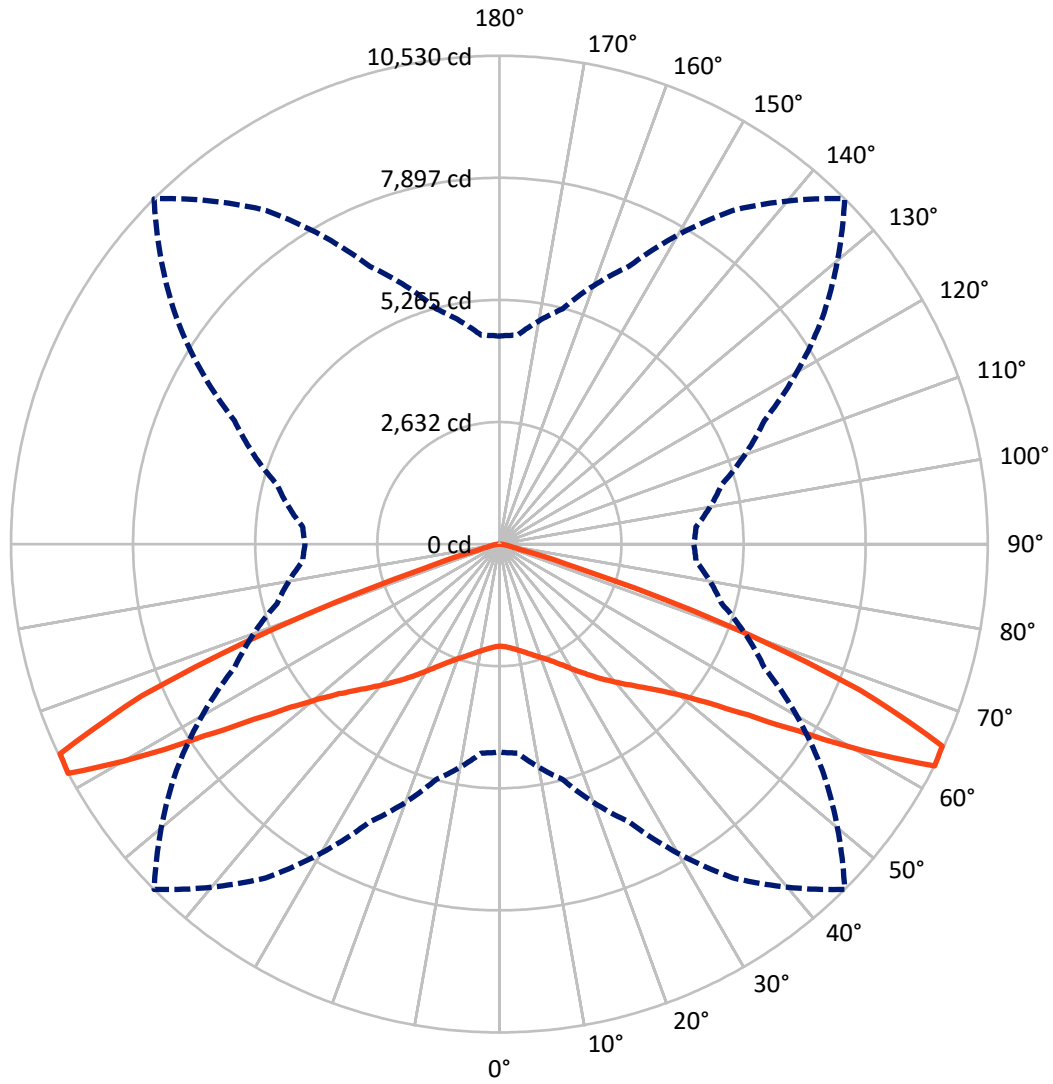
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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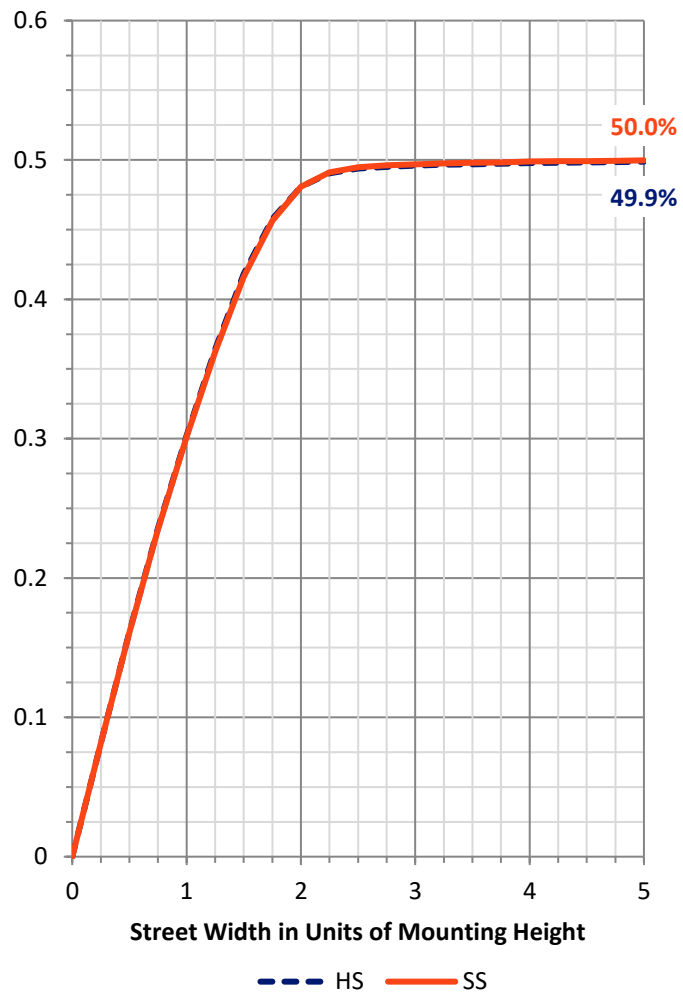
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9426.9	0.0	9426.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9426.9	0.0	9426.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18853.8	0.0	18853.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	1.1
10°-20°	695.9	3.7
20°-30°	1316.6	7.0
30°-40°	2216.1	11.8
40°-50°	3540.6	18.8
50°-60°	5707.3	30.3
60°-70°	4656.5	24.7
70°-80°	452.2	2.4
80°-90°	52.6	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°	18853.8	100.0
0°-180°	18853.8	100.0

Coefficient of Utilization



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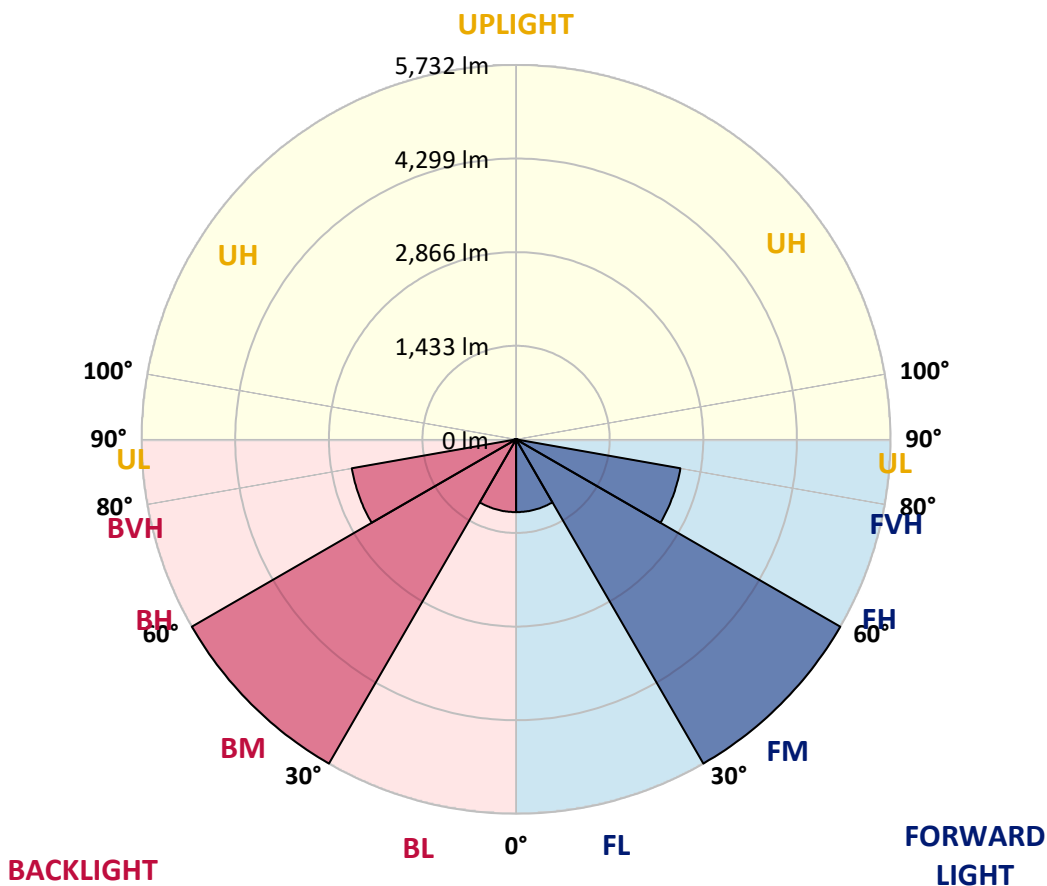
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1114.2	5.9			
FM (30°-60°)	5732.0	30.4			
FH (60°-80°)	2554.4	13.5			G2/5000
FVH (80°-90°)	26.3	0.1			G1/100
BL (0°-30°)	1114.2	5.9	B3/2500		
BM (30°-60°)	5732.0	30.4	B4/8500		
BH (60°-80°)	2554.4	13.5	B4/5000		G2/5000
BVH (80°-90°)	26.3	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°	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6	2199.6
2.5°	2197.0	2197.0	2202.1	2206.0	2203.4	2213.8	2212.5	2209.9	2208.6	2204.7	2216.4
5°	2226.7	2226.7	2230.6	2234.5	2228.0	2240.9	2235.8	2233.2	2231.9	2226.7	2237.0
7.5°	2260.3	2264.2	2265.5	2272.0	2268.1	2282.3	2278.4	2273.3	2270.7	2264.2	2273.3
10°	2297.8	2300.4	2301.7	2313.3	2314.6	2331.4	2327.6	2321.1	2315.9	2309.5	2322.4
12.5°	2348.3	2349.5	2353.4	2367.7	2371.5	2384.5	2383.2	2374.1	2367.7	2358.6	2372.8
15°	2412.9	2414.2	2420.7	2434.9	2441.4	2456.9	2451.7	2437.5	2428.4	2418.1	2429.7
17.5°	2480.2	2485.3	2491.8	2506.0	2515.1	2533.2	2526.7	2511.2	2503.4	2493.1	2500.8
20°	2566.8	2568.1	2572.0	2587.5	2593.9	2614.6	2615.9	2600.4	2596.5	2586.2	2597.8
22.5°	2662.5	2663.8	2667.6	2684.5	2696.1	2709.0	2716.8	2707.7	2701.3	2688.3	2702.6
25°	2768.5	2781.4	2785.3	2806.0	2818.9	2826.7	2835.8	2831.9	2822.8	2807.3	2813.8
27.5°	2917.2	2919.8	2926.3	2949.5	2957.3	2965.1	2974.1	2975.4	2962.5	2944.4	2953.4
30°	3086.6	3085.3	3099.5	3117.6	3124.1	3130.6	3143.5	3151.3	3134.5	3115.1	3124.1
32.5°	3259.9	3275.4	3293.5	3310.3	3306.4	3309.0	3329.7	3343.9	3320.7	3285.7	3293.5
35°	3455.1	3465.5	3488.8	3513.3	3508.2	3504.3	3517.2	3531.4	3499.1	3453.8	3465.5
37.5°	3655.6	3671.1	3706.0	3735.7	3728.0	3709.9	3724.1	3739.6	3708.6	3656.9	3651.7
40°	3879.3	3903.8	3954.3	3978.8	3958.2	3923.2	3947.8	3985.3	3954.3	3894.8	3880.6
42.5°	4141.8	4171.5	4221.9	4259.4	4214.2	4157.3	4198.7	4253.0	4245.2	4166.3	4141.8
45°	4466.3	4485.7	4547.8	4565.9	4498.7	4419.8	4494.8	4577.5	4558.2	4472.8	4440.5
47.5°	4819.4	4849.1	4903.4	4937.0	4828.4	4730.1	4834.9	4946.1	4925.4	4845.2	4807.7
50°	5269.4	5308.1	5379.3	5407.7	5257.7	5145.2	5279.7	5420.6	5380.6	5273.2	5224.1
52.5°	5759.4	5790.5	5912.0	5968.9	5828.0	5706.4	5824.1	5962.4	5877.1	5734.9	5668.9
55°	6191.3	6222.4	6400.8	6589.6	6583.1	6499.1	6558.6	6561.2	6329.7	6094.3	6024.5
57.5°	6284.4	6315.5	6655.5	7149.5	7498.6	7595.6	7421.1	7053.8	6470.6	6058.1	5979.3
60°	5787.9	5822.8	6363.3	7265.9	8414.2	9062.0	8257.7	7043.5	6034.9	5476.2	5401.2
62.5°	4484.4	4521.9	5248.7	6603.8	8784.0	10529.7	8500.8	6302.5	4964.2	4256.9	4190.9
65°	2141.4	2141.4	3064.6	4736.6	8046.9	10494.7	7797.3	4662.9	2988.3	2295.2	2238.3
67.5°	530.2	532.8	788.8	1843.9	5473.7	8375.4	5562.9	2238.3	1052.6	744.8	725.4
70°	331.0	329.7	365.9	499.1	1915.1	5083.1	2274.5	675.0	428.0	377.6	375.0
72.5°	257.3	257.3	275.4	319.4	501.7	1731.5	663.4	375.0	310.3	279.3	279.3
75°	203.0	203.0	215.9	239.2	296.1	446.1	353.0	278.0	240.5	219.8	217.2
77.5°	151.3	153.9	164.2	179.7	201.7	250.9	223.7	209.5	187.5	172.0	166.8
80°	98.3	102.2	115.1	124.1	131.9	165.5	146.1	152.6	142.2	124.1	121.6
82.5°	53.0	54.3	69.8	72.4	75.0	90.5	93.1	97.0	100.9	78.9	73.7
85°	19.4	19.4	23.3	27.2	29.7	32.3	44.0	54.3	56.9	45.3	44.0
87.5°	3.9	3.9	3.9	2.6	2.6	2.6	7.8	14.2	23.3	18.1	18.1
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)