

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: P638013

Luminaire Tested: GWS-SA4E-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638013
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-SA4E-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13772.8 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

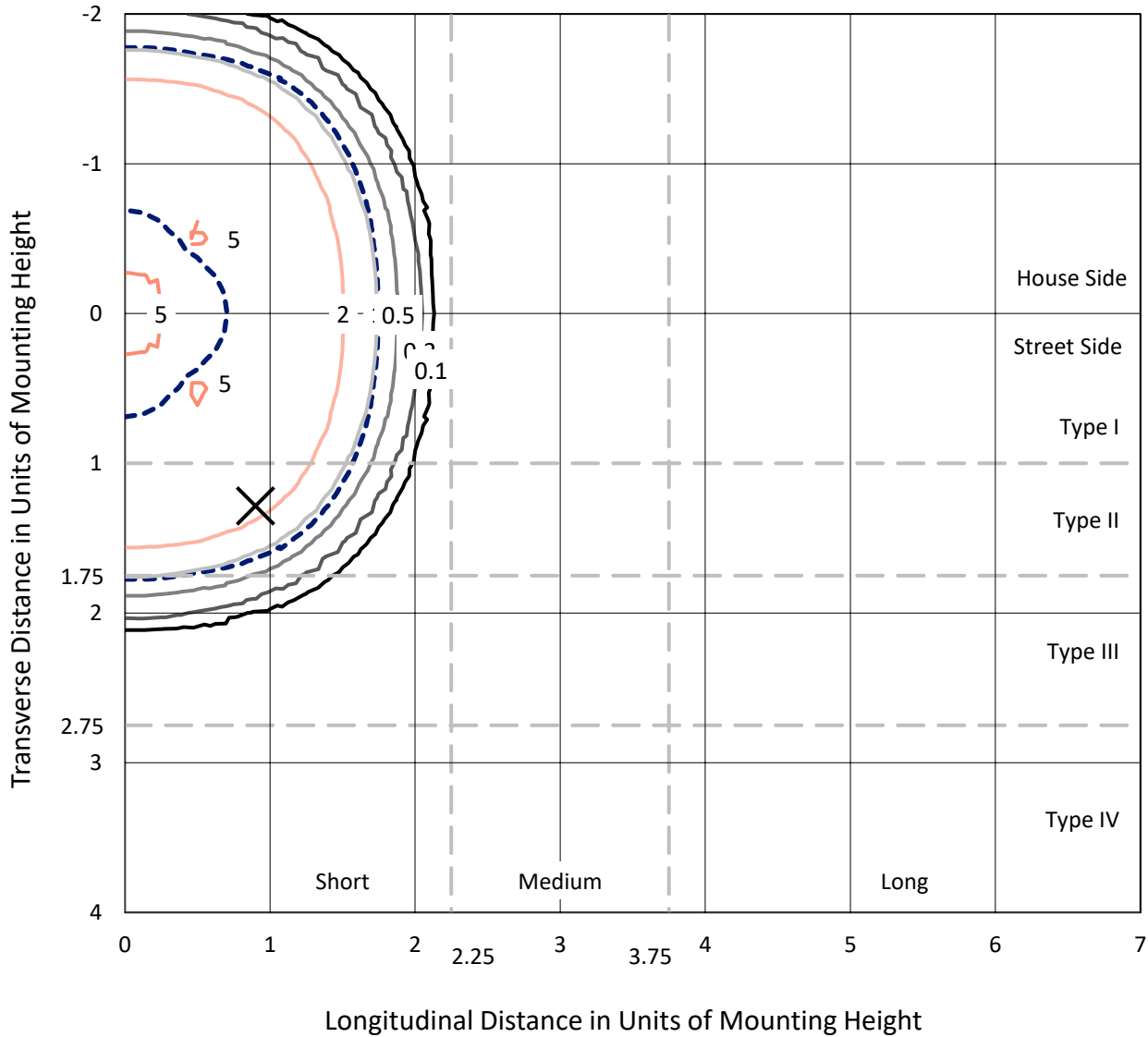
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

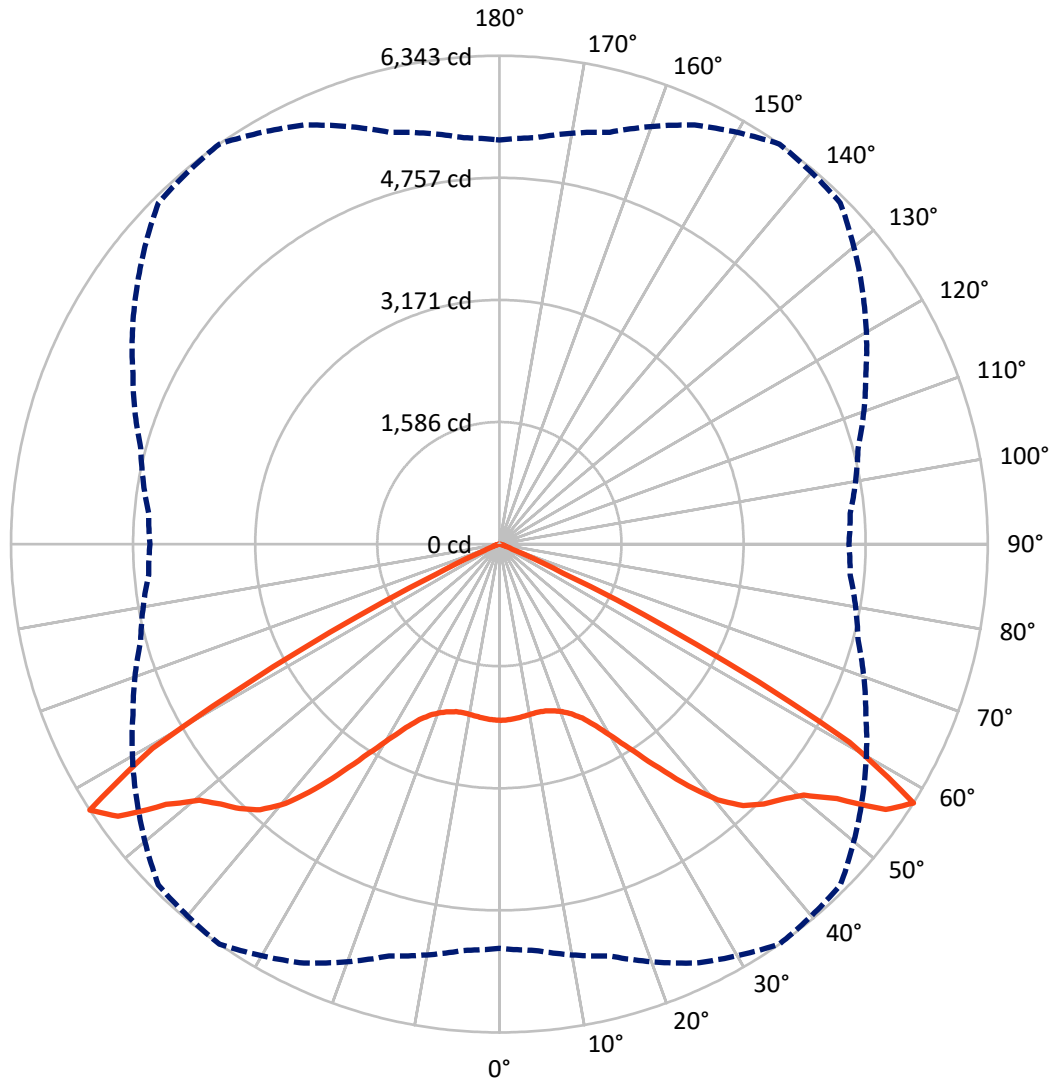
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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	6886.4	0.0	6886.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6886.4	0.0	6886.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13772.8	0.0	13772.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	1.6
10°-20°	634.6	4.6
20°-30°	1147.1	8.3
30°-40°	2140.0	15.5
40°-50°	3589.9	26.1
50°-60°	4740.8	34.4
60°-70°	1259.1	9.1
70°-80°	44.7	0.3
80°-90°	0.8	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°	13772.8	100.0
0°-180°	13772.8	100.0

Coefficient of Utilization



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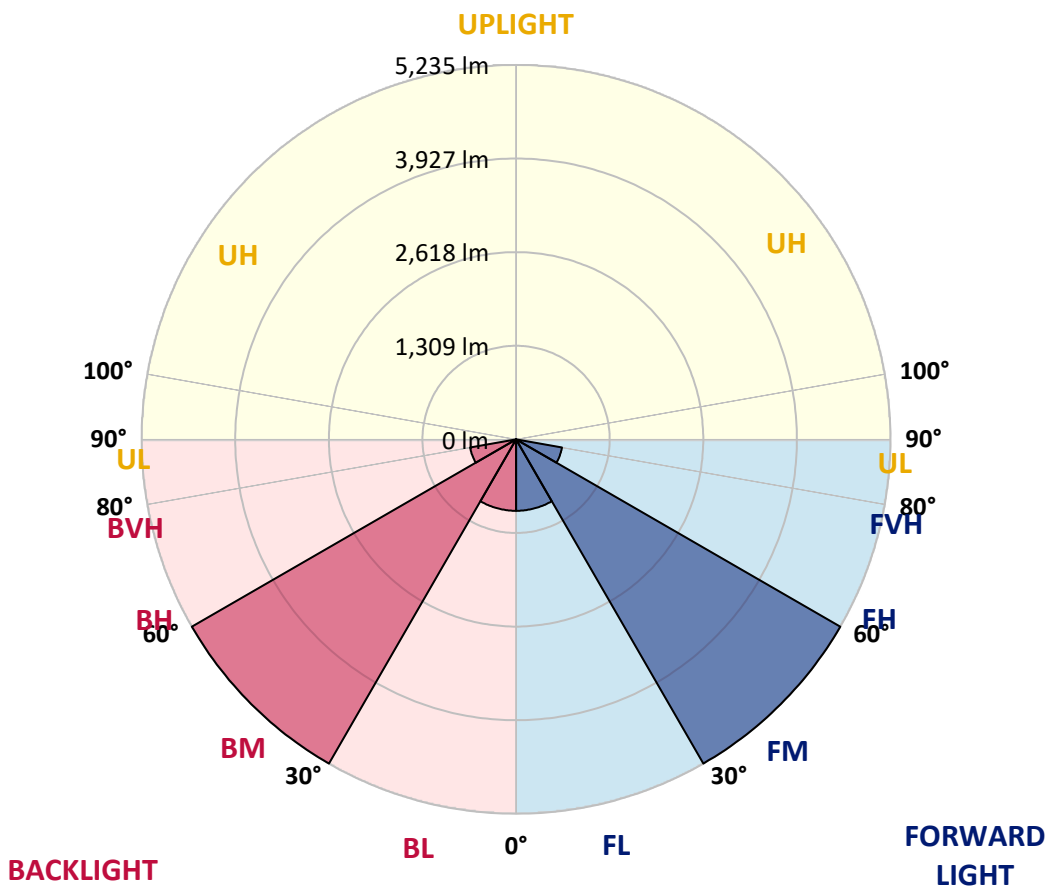
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.7	7.3			
FM (30°-60°)	5235.4	38.0			
FH (60°-80°)	651.9	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	998.7	7.3	B2/1000		
BM (30°-60°)	5235.4	38.0	B4/8500		
BH (60°-80°)	651.9	4.7	B2/1000		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9	2289.9
2.5°	2273.7	2272.1	2278.5	2283.4	2283.4	2294.7	2291.5	2288.2	2285.0	2280.2	2291.5
5°	2270.5	2268.8	2273.7	2276.9	2273.7	2283.4	2276.9	2270.5	2267.2	2260.8	2273.7
7.5°	2255.9	2257.5	2260.8	2264.0	2259.1	2267.2	2259.1	2249.5	2241.4	2234.9	2246.2
10°	2233.3	2234.9	2238.1	2244.6	2246.2	2257.5	2246.2	2228.4	2217.1	2207.4	2218.7
12.5°	2222.0	2223.6	2228.4	2236.5	2238.1	2252.7	2238.1	2212.3	2196.1	2184.8	2196.1
15°	2225.2	2228.4	2234.9	2244.6	2247.8	2262.4	2243.0	2209.1	2186.4	2171.9	2181.6
17.5°	2236.5	2239.8	2249.5	2265.6	2276.9	2291.5	2267.2	2223.6	2192.9	2171.9	2181.6
20°	2251.1	2255.9	2272.1	2297.9	2322.2	2348.0	2317.3	2257.5	2217.1	2191.3	2199.4
22.5°	2291.5	2296.3	2318.9	2352.9	2393.3	2425.6	2388.4	2312.5	2257.5	2223.6	2231.7
25°	2373.9	2378.7	2407.8	2451.5	2503.2	2545.2	2498.3	2403.0	2331.9	2293.1	2296.3
27.5°	2503.2	2508.0	2541.9	2603.4	2672.8	2732.6	2664.8	2553.3	2472.5	2427.2	2427.2
30°	2666.4	2672.8	2718.1	2800.5	2908.8	2988.0	2895.8	2760.1	2656.7	2595.3	2596.9
32.5°	2876.5	2870.0	2934.6	3047.7	3201.3	3306.3	3170.6	3005.7	2878.1	2792.4	2800.5
35°	3146.3	3144.7	3217.4	3370.9	3571.3	3697.4	3535.8	3322.5	3168.9	3081.7	3083.3
37.5°	3493.8	3492.1	3576.2	3742.6	3983.4	4088.4	3907.5	3690.9	3526.1	3442.0	3451.7
40°	3901.0	3891.3	3965.6	4125.6	4366.4	4434.3	4237.1	4062.6	3904.2	3850.9	3876.8
42.5°	4288.8	4267.8	4311.5	4456.9	4642.7	4652.4	4503.8	4384.2	4275.9	4233.9	4250.0
45°	4600.7	4584.6	4625.0	4709.0	4815.6	4767.2	4696.1	4658.9	4571.6	4526.4	4540.9
47.5°	4833.4	4833.4	4881.9	4933.6	4949.8	4860.9	4872.2	4872.2	4784.9	4713.8	4696.1
50°	5033.8	5048.3	5121.1	5174.4	5121.1	5007.9	5072.6	5059.7	4881.9	4739.7	4702.5
52.5°	5353.8	5368.3	5479.8	5552.5	5492.7	5381.2	5389.3	5227.7	4965.9	4797.9	4739.7
55°	5693.1	5728.7	5890.3	6084.2	6085.8	5971.1	5757.8	5471.7	5153.4	4970.8	4911.0
57.5°	5248.7	5297.2	5538.0	6005.0	6342.7	6263.6	5754.5	5252.0	4822.1	4573.2	4539.3
60°	3611.7	3695.8	3936.5	4574.9	5226.1	5256.8	4655.7	4091.7	3598.8	3291.8	3298.2
62.5°	1525.5	1611.1	1746.9	2272.1	2870.0	2907.2	2616.3	2212.3	1809.9	1588.5	1622.4
65°	358.7	383.0	423.4	628.6	911.4	953.4	879.1	685.2	505.8	428.2	436.3
67.5°	156.8	160.0	151.9	161.6	200.4	205.2	198.8	174.5	164.8	168.1	168.1
70°	109.9	111.5	105.0	100.2	95.3	88.9	92.1	101.8	109.9	116.4	114.7
72.5°	67.9	69.5	71.1	71.1	66.3	59.8	63.0	69.5	71.1	72.7	71.1
75°	33.9	35.6	38.8	40.4	38.8	37.2	37.2	38.8	38.8	37.2	37.2
77.5°	6.5	8.1	11.3	12.9	12.9	12.9	12.9	12.9	14.5	12.9	12.9
80°	1.6	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
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)