

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: P637300

Luminaire Tested: GWS-SA4C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20563.2 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

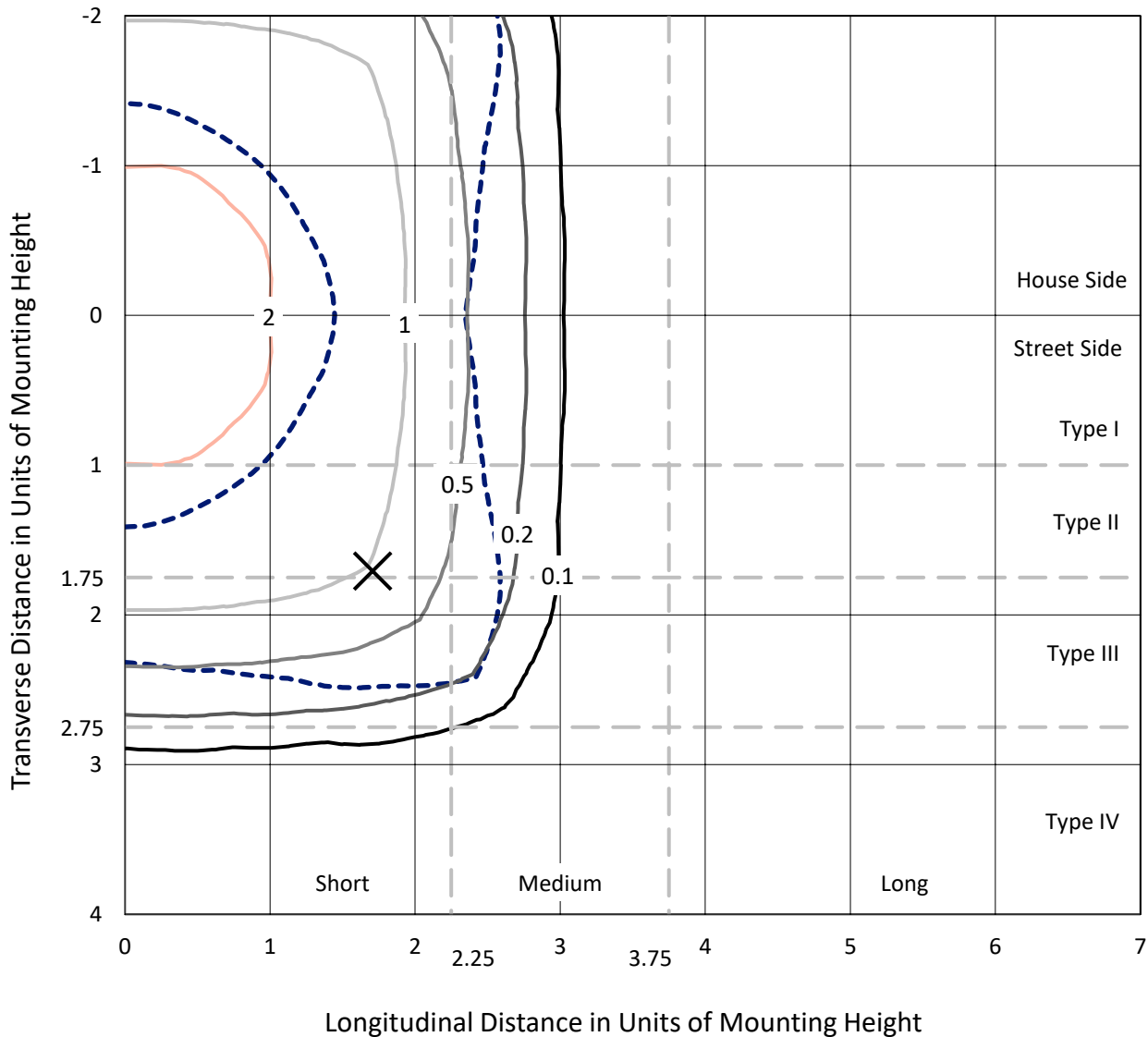
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

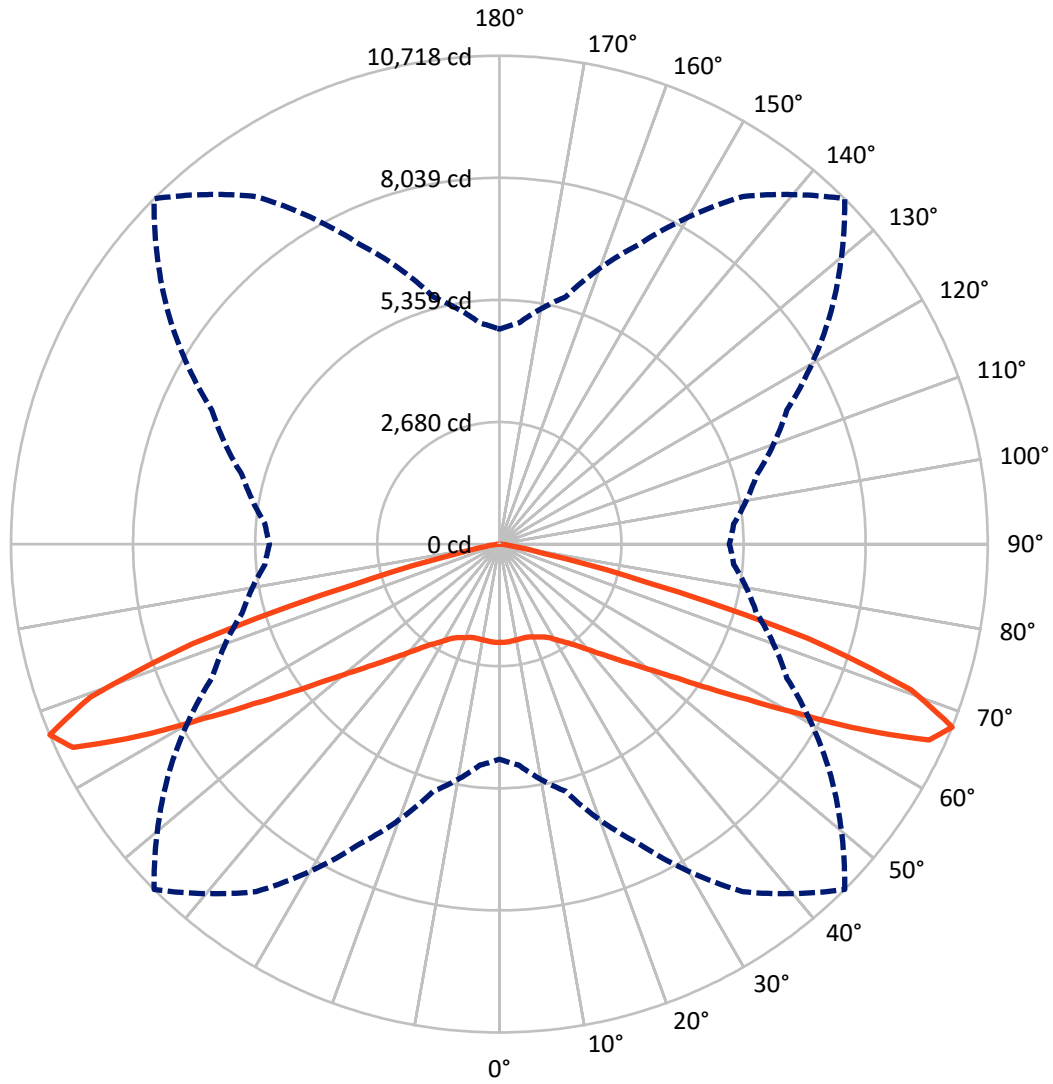
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10281.6	0.0	10281.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10281.6	0.0	10281.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	20563.2	0.0	20563.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.8	1.0
10°-20°	598.7	2.9
20°-30°	1032.5	5.0
30°-40°	1679.0	8.2
40°-50°	2827.0	13.7
50°-60°	5009.0	24.4
60°-70°	7160.0	34.8
70°-80°	1965.1	9.6
80°-90°	88.0	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°	20563.2	100.0
0°-180°	20563.2	100.0

Coefficient of Utilization



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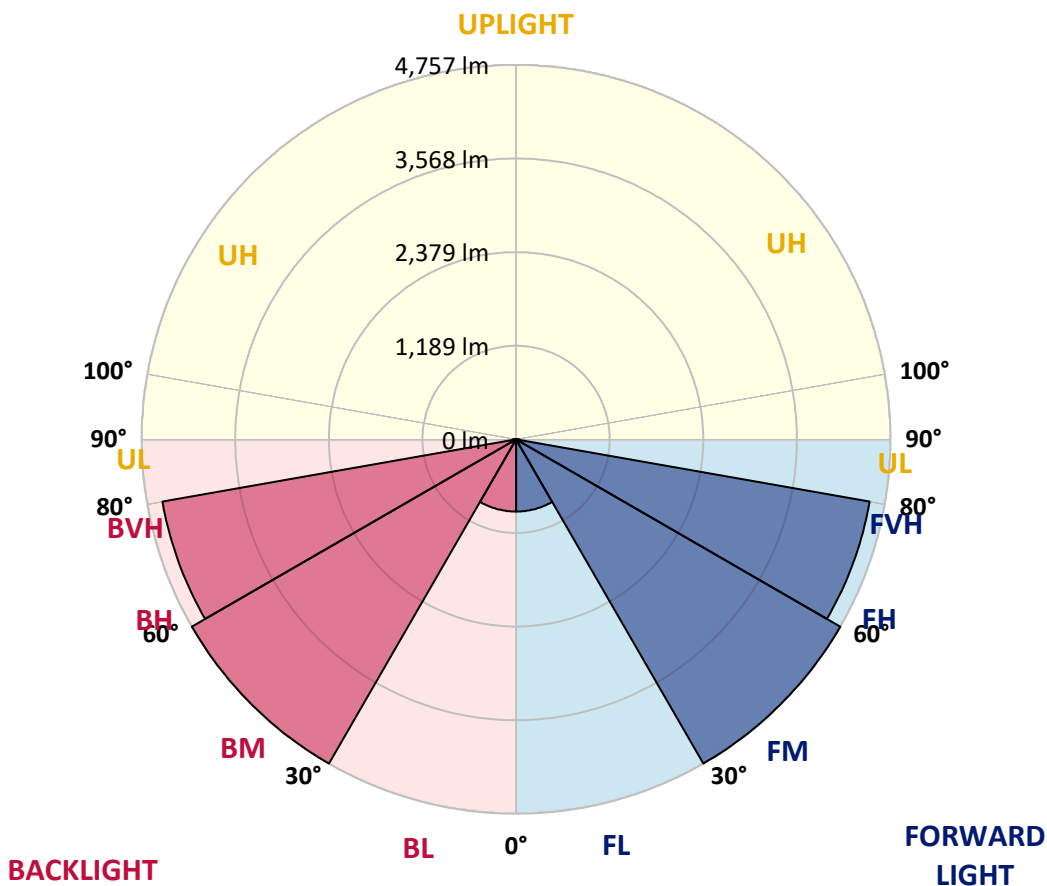
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.5	4.5			
FM (30°-60°)	4757.5	23.1			
FH (60°-80°)	4562.6	22.2			G2/5000
FVH (80°-90°)	44.0	0.2			G1/100
BL (0°-30°)	917.5	4.5	B2/1000		
BM (30°-60°)	4757.5	23.1	B3/5000		
BH (60°-80°)	4562.6	22.2	B4/5000		G2/5000
BVH (80°-90°)	44.0	0.2			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°	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6	2153.6
2.5°	2139.4	2138.0	2145.1	2149.4	2147.9	2157.9	2156.5	2153.6	2153.6	2149.4	2160.8
5°	2139.4	2138.0	2143.7	2145.1	2142.2	2150.8	2147.9	2145.1	2145.1	2139.4	2149.4
7.5°	2128.0	2129.4	2133.7	2136.6	2133.7	2140.8	2136.6	2130.9	2129.4	2123.7	2133.7
10°	2106.7	2108.1	2112.4	2119.5	2120.9	2133.7	2126.6	2116.6	2112.4	2106.7	2116.6
12.5°	2093.8	2095.3	2099.5	2108.1	2110.9	2128.0	2120.9	2105.2	2098.1	2092.4	2102.4
15°	2091.0	2092.4	2098.1	2106.7	2110.9	2128.0	2120.9	2102.4	2092.4	2085.3	2093.8
17.5°	2091.0	2093.8	2102.4	2115.2	2123.7	2140.8	2132.3	2110.9	2096.7	2083.9	2092.4
20°	2092.4	2096.7	2109.5	2128.0	2149.4	2173.6	2162.2	2133.7	2113.8	2098.1	2103.8
22.5°	2105.2	2112.4	2128.0	2152.2	2183.5	2212.0	2202.0	2163.6	2135.1	2113.8	2119.5
25°	2149.4	2152.2	2172.1	2203.5	2233.3	2257.5	2247.6	2212.0	2176.4	2150.8	2157.9
27.5°	2227.7	2234.8	2251.8	2284.6	2310.2	2323.0	2321.6	2297.4	2261.8	2239.0	2244.7
30°	2321.6	2328.7	2351.5	2388.5	2414.1	2428.4	2424.1	2405.6	2372.8	2341.5	2347.2
32.5°	2431.2	2434.0	2461.1	2502.4	2529.4	2550.8	2536.5	2516.6	2475.3	2438.3	2441.2
35°	2570.7	2575.0	2603.4	2641.9	2663.2	2680.3	2677.5	2657.5	2613.4	2573.5	2583.5
37.5°	2745.8	2748.6	2774.2	2822.6	2839.7	2852.5	2855.4	2845.4	2799.9	2748.6	2758.6
40°	2963.6	2965.0	2993.5	3036.2	3054.7	3063.2	3064.6	3066.0	3019.1	2980.6	2977.8
42.5°	3216.9	3224.0	3263.9	3305.2	3313.7	3309.4	3323.7	3337.9	3292.4	3239.7	3244.0
45°	3520.1	3524.4	3578.5	3624.0	3608.4	3594.1	3621.2	3649.6	3608.4	3540.0	3520.1
47.5°	3878.8	3887.4	3945.7	3991.3	3965.6	3940.0	3984.1	4014.0	3947.1	3874.5	3856.0
50°	4284.5	4290.2	4372.7	4429.7	4399.8	4352.8	4408.3	4439.6	4350.0	4260.3	4220.4
52.5°	4764.2	4752.8	4862.4	4962.0	4943.5	4882.3	4927.9	4933.6	4799.8	4673.1	4633.2
55°	5349.2	5337.8	5447.4	5557.0	5602.6	5586.9	5565.6	5531.4	5333.6	5198.3	5161.3
57.5°	6031.0	5995.4	6149.2	6297.2	6396.8	6425.3	6334.2	6254.5	6097.9	5931.4	5888.7
60°	6664.4	6663.0	6906.4	7162.6	7435.9	7549.8	7319.2	7102.9	6751.3	6448.1	6386.9
62.5°	6842.4	6872.3	7270.8	7905.7	8580.4	8983.2	8375.4	7659.4	6980.4	6523.5	6442.4
65°	6404.0	6478.0	7044.5	8046.6	9378.9	10363.9	8991.7	7672.2	6725.7	6156.3	6070.9
67.5°	4720.1	4868.1	5618.2	7260.9	9310.6	10718.3	8882.1	6961.9	5841.7	5164.2	5046.0
70°	2328.7	2469.6	3064.6	4777.0	7660.8	9581.0	7685.0	5246.7	3945.7	3293.8	3185.6
72.5°	856.9	913.8	1147.3	2044.0	4227.6	7077.2	5255.3	2930.8	1911.7	1521.6	1449.0
75°	419.9	429.9	465.5	686.1	1560.1	3330.8	2469.6	1124.5	703.2	612.1	592.1
77.5°	267.6	271.9	289.0	327.4	501.0	1049.1	748.7	444.1	344.5	330.2	330.2
80°	149.5	153.7	176.5	203.5	234.9	360.1	269.0	266.2	226.3	197.9	193.6
82.5°	71.2	78.3	112.5	111.0	123.8	180.8	158.0	143.8	145.2	109.6	103.9
85°	32.7	32.7	44.1	52.7	55.5	61.2	72.6	82.6	81.1	55.5	59.8
87.5°	15.7	15.7	15.7	14.2	12.8	11.4	15.7	25.6	37.0	25.6	24.2
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)