

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: P637245

Luminaire Tested: GWS-SA4C-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637245
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20102.5 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

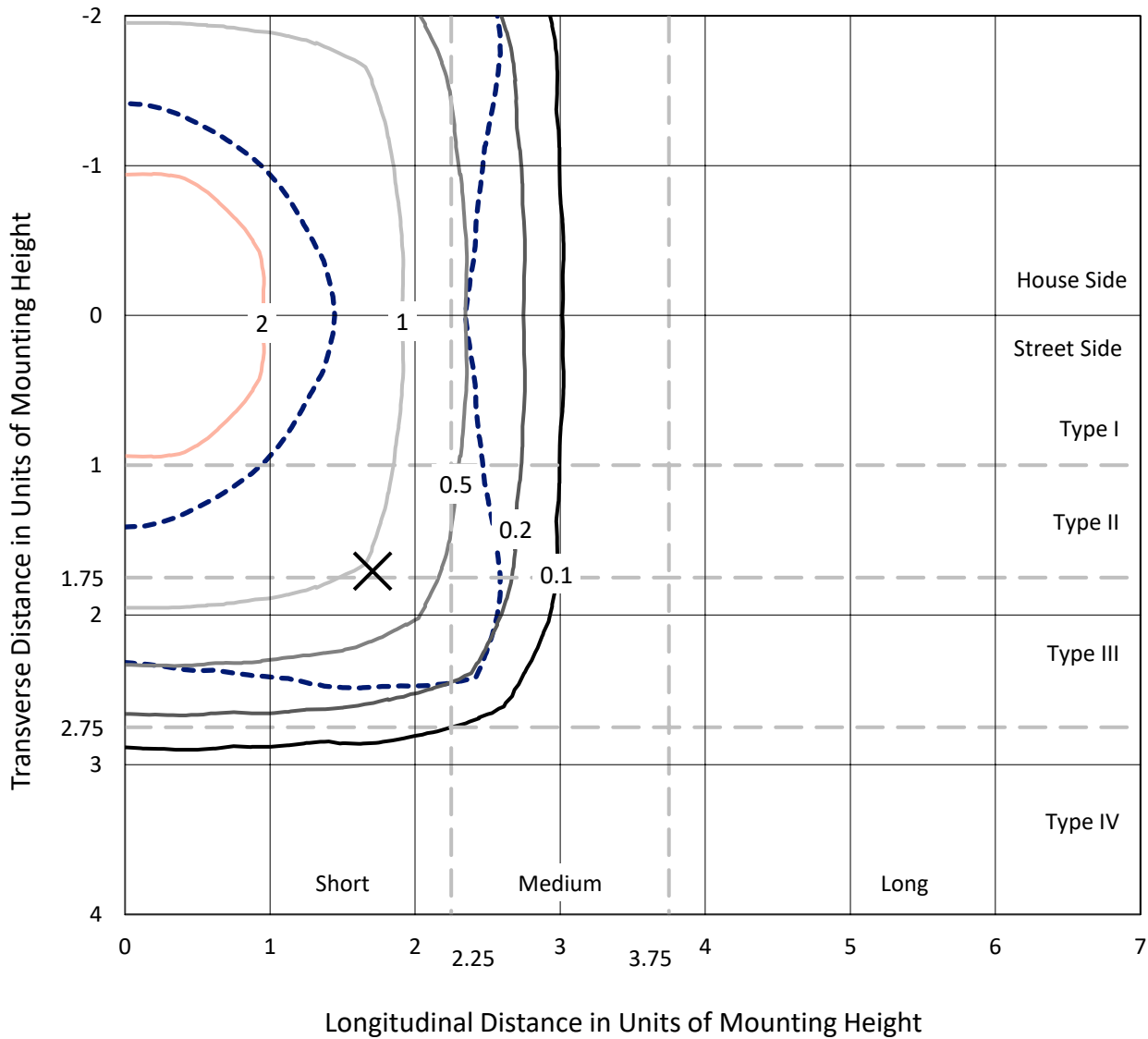
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

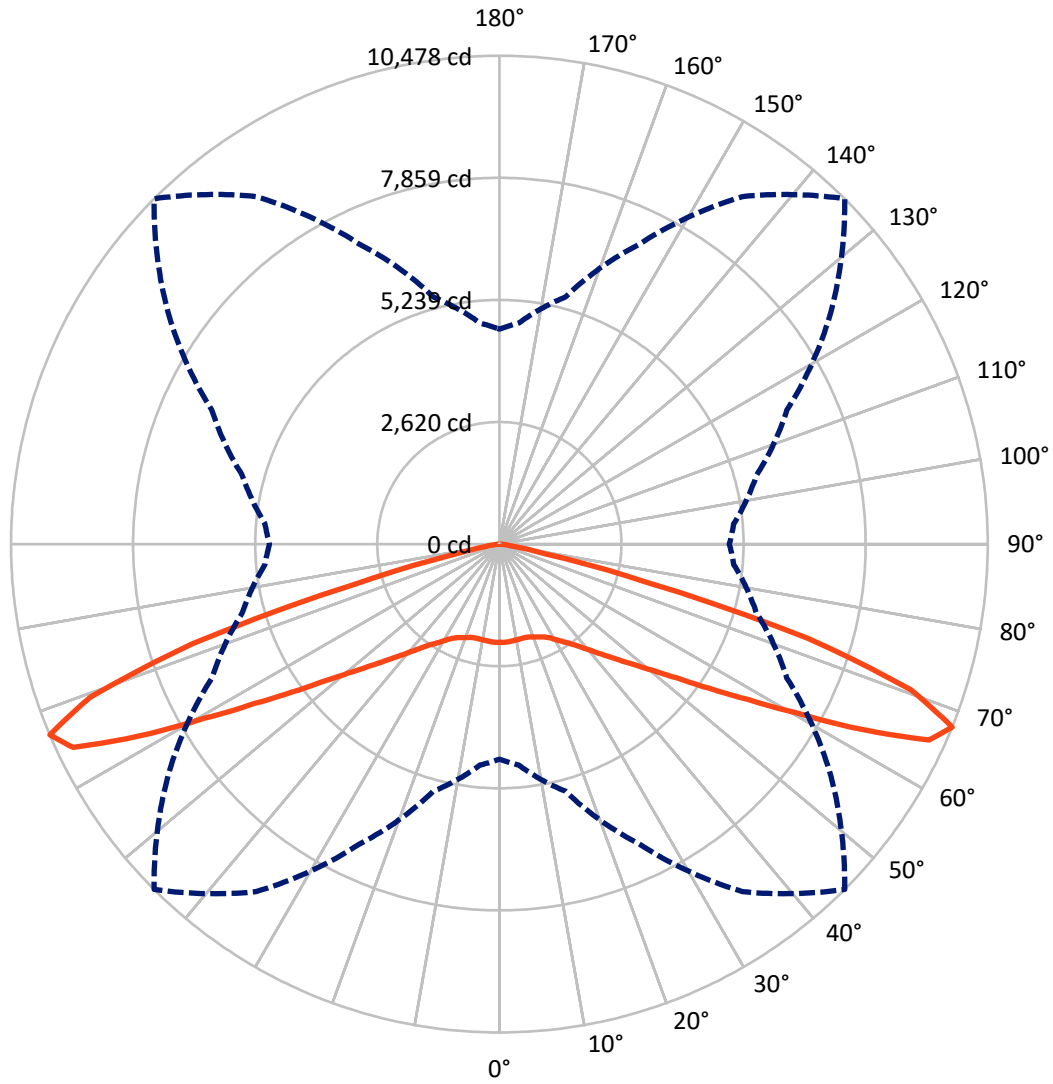
✕ Max cd
 - - - 1/2 Max cd



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	10051.2	0.0	10051.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10051.2	0.0	10051.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20102.5	0.0	20102.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.3	1.0
10°-20°	585.3	2.9
20°-30°	1009.4	5.0
30°-40°	1641.3	8.2
40°-50°	2763.7	13.7
50°-60°	4896.8	24.4
60°-70°	6999.6	34.8
70°-80°	1921.1	9.6
80°-90°	86.1	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°	20102.5	100.0
0°-180°	20102.5	100.0

Coefficient of Utilization



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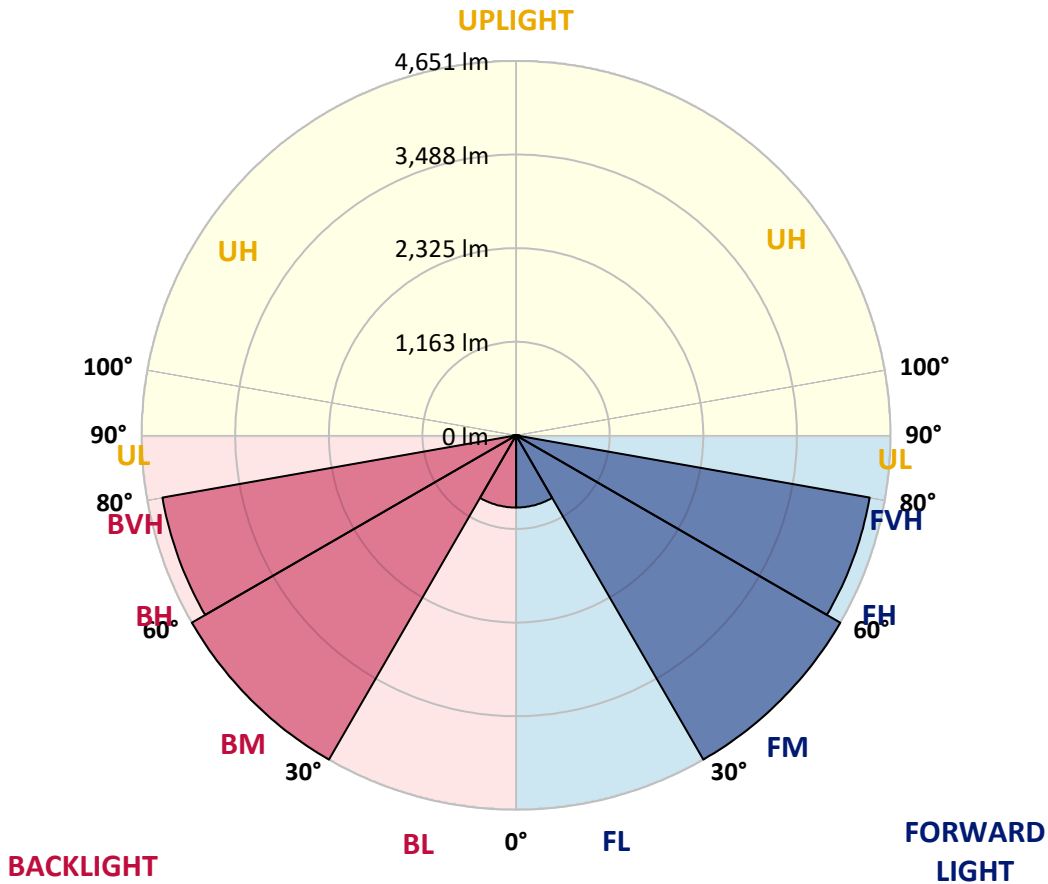
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	897.0	4.5			
FM (30°-60°)	4650.9	23.1			
FH (60°-80°)	4460.3	22.2			G2/5000
FVH (80°-90°)	43.0	0.2			G1/100
BL (0°-30°)	897.0	4.5	B2/1000		
BM (30°-60°)	4650.9	23.1	B3/5000		
BH (60°-80°)	4460.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	43.0	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°	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4	2105.4
2.5°	2091.5	2090.1	2097.0	2101.2	2099.8	2109.6	2108.2	2105.4	2105.4	2101.2	2112.3
5°	2091.5	2090.1	2095.6	2097.0	2094.3	2102.6	2099.8	2097.0	2097.0	2091.5	2101.2
7.5°	2080.3	2081.7	2085.9	2088.7	2085.9	2092.9	2088.7	2083.1	2081.7	2076.2	2085.9
10°	2059.5	2060.9	2065.0	2072.0	2073.4	2085.9	2078.9	2069.2	2065.0	2059.5	2069.2
12.5°	2046.9	2048.3	2052.5	2060.9	2063.6	2080.3	2073.4	2058.1	2051.1	2045.5	2055.3
15°	2044.2	2045.5	2051.1	2059.5	2063.6	2080.3	2073.4	2055.3	2045.5	2038.6	2046.9
17.5°	2044.2	2046.9	2055.3	2067.8	2076.2	2092.9	2084.5	2063.6	2049.7	2037.2	2045.5
20°	2045.5	2049.7	2062.2	2080.3	2101.2	2124.9	2113.7	2085.9	2066.4	2051.1	2056.7
22.5°	2058.1	2065.0	2080.3	2104.0	2134.6	2162.4	2152.7	2115.1	2087.3	2066.4	2072.0
25°	2101.2	2104.0	2123.5	2154.1	2183.3	2207.0	2197.2	2162.4	2127.6	2102.6	2109.6
27.5°	2177.7	2184.7	2201.4	2233.4	2258.5	2271.0	2269.6	2245.9	2211.1	2188.9	2194.4
30°	2269.6	2276.5	2298.8	2335.0	2360.0	2373.9	2369.8	2351.7	2319.7	2289.1	2294.6
32.5°	2376.7	2379.5	2406.0	2446.3	2472.7	2493.6	2479.7	2460.2	2419.9	2383.7	2386.5
35°	2513.1	2517.3	2545.1	2582.7	2603.5	2620.2	2617.5	2598.0	2554.8	2515.9	2525.6
37.5°	2684.3	2687.0	2712.1	2759.4	2776.1	2788.6	2791.4	2781.7	2737.1	2687.0	2696.8
40°	2897.2	2898.6	2926.4	2968.1	2986.2	2994.6	2996.0	2997.4	2951.4	2913.9	2911.1
42.5°	3144.9	3151.8	3190.8	3231.1	3239.5	3235.3	3249.2	3263.1	3218.6	3167.1	3171.3
45°	3441.3	3445.4	3498.3	3542.8	3527.5	3513.6	3540.0	3567.9	3527.5	3460.7	3441.3
47.5°	3791.9	3800.3	3857.3	3901.8	3876.8	3851.8	3894.9	3924.1	3858.7	3787.7	3769.7
50°	4188.5	4194.1	4274.8	4330.4	4301.2	4255.3	4309.6	4340.2	4252.5	4164.8	4125.9
52.5°	4657.4	4646.3	4753.5	4850.9	4832.8	4772.9	4817.5	4823.0	4692.2	4568.4	4529.4
55°	5229.4	5218.2	5325.4	5432.5	5477.1	5461.7	5440.9	5407.5	5214.1	5081.9	5045.7
57.5°	5895.9	5861.1	6011.4	6156.1	6253.5	6281.4	6192.3	6114.4	5961.3	5798.5	5756.8
60°	6515.1	6513.7	6751.7	7002.2	7269.3	7380.7	7155.2	6943.7	6600.0	6303.6	6243.8
62.5°	6689.1	6718.3	7107.9	7728.5	8388.1	8781.9	8187.8	7487.8	6824.1	6377.4	6298.1
65°	6260.5	6332.8	6886.7	7866.3	9168.8	10131.7	8790.3	7500.3	6575.0	6018.4	5934.9
67.5°	4614.3	4759.0	5492.4	7098.2	9102.0	10478.2	8683.1	6806.0	5710.8	5048.5	4933.0
70°	2276.5	2414.3	2996.0	4670.0	7489.2	9366.4	7512.9	5129.2	3857.3	3220.0	3114.2
72.5°	837.7	893.4	1121.6	1998.2	4132.8	6918.7	5137.5	2865.2	1868.8	1487.5	1416.6
75°	410.5	420.2	455.0	670.7	1525.1	3256.2	2414.3	1099.3	687.4	598.4	578.9
77.5°	261.6	265.8	282.5	320.1	489.8	1025.6	731.9	434.2	336.7	322.8	322.8
80°	146.1	150.3	172.5	199.0	229.6	352.1	263.0	260.2	221.3	193.4	189.2
82.5°	69.6	76.5	109.9	108.5	121.1	176.7	154.5	140.5	141.9	107.1	101.6
85°	32.0	32.0	43.1	51.5	54.3	59.8	71.0	80.7	79.3	54.3	58.4
87.5°	15.3	15.3	15.3	13.9	12.5	11.1	15.3	25.0	36.2	25.0	23.7
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)