

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: P633728

Luminaire Tested: GWS-SA2F-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633728
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-SA2F-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16723.4 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

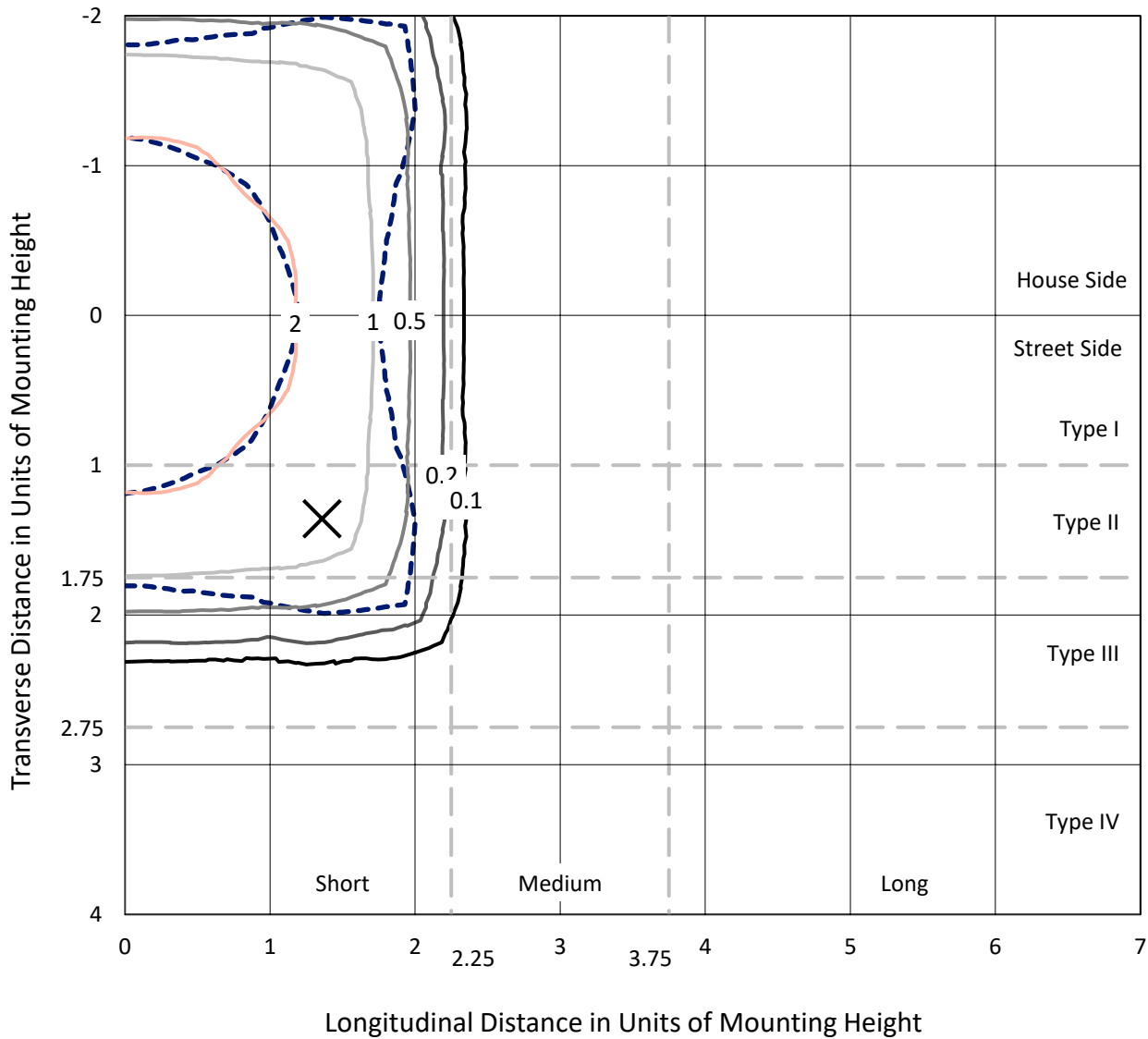
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

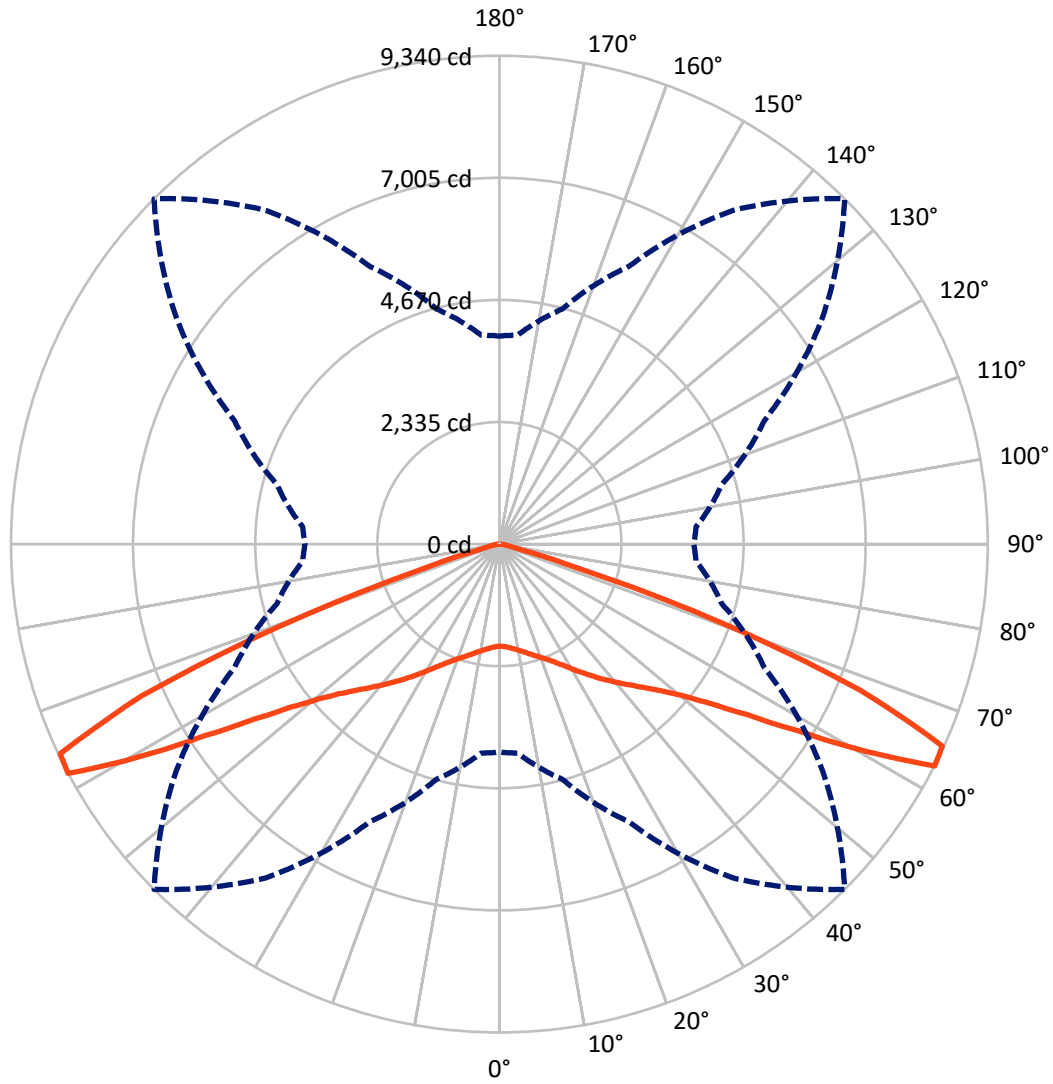
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	8361.7	0.0	8361.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8361.7	0.0	8361.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16723.4	0.0	16723.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	1.1
10°-20°	617.3	3.7
20°-30°	1167.9	7.0
30°-40°	1965.7	11.8
40°-50°	3140.6	18.8
50°-60°	5062.4	30.3
60°-70°	4130.4	24.7
70°-80°	401.1	2.4
80°-90°	46.7	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°	16723.4	100.0
0°-180°	16723.4	100.0

Coefficient of Utilization



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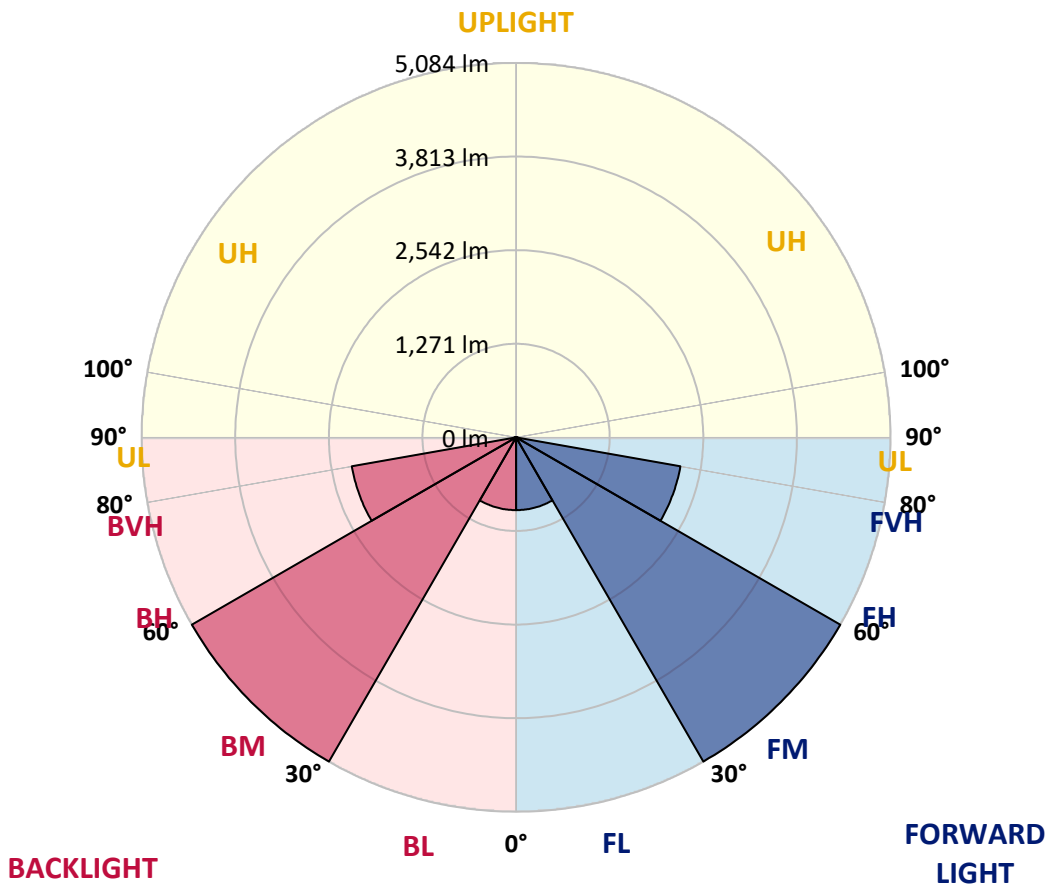
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.3	5.9			
FM (30°-60°)	5084.3	30.4			
FH (60°-80°)	2265.7	13.5			G2/5000
FVH (80°-90°)	23.3	0.1			G1/100
BL (0°-30°)	988.3	5.9	B2/1000		
BM (30°-60°)	5084.3	30.4	B4/8500		
BH (60°-80°)	2265.7	13.5	B3/2500		G2/5000
BVH (80°-90°)	23.3	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°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	1948.7	1948.7	1953.3	1956.7	1954.5	1963.6	1962.5	1960.2	1959.0	1955.6	1965.9
5°	1975.1	1975.1	1978.5	1982.0	1976.2	1987.7	1983.1	1980.8	1979.7	1975.1	1984.3
7.5°	2004.9	2008.4	2009.5	2015.2	2011.8	2024.4	2021.0	2016.4	2014.1	2008.4	2016.4
10°	2038.2	2040.5	2041.6	2051.9	2053.1	2068.0	2064.6	2058.8	2054.2	2048.5	2060.0
12.5°	2082.9	2084.1	2087.5	2100.1	2103.6	2115.0	2113.9	2105.9	2100.1	2092.1	2104.7
15°	2140.3	2141.4	2147.1	2159.8	2165.5	2179.3	2174.7	2162.1	2154.0	2144.8	2155.2
17.5°	2199.9	2204.5	2210.2	2222.8	2230.9	2246.9	2241.2	2227.4	2220.6	2211.4	2218.3
20°	2276.8	2277.9	2281.3	2295.1	2300.8	2319.2	2320.3	2306.6	2303.1	2294.0	2304.3
22.5°	2361.6	2362.8	2366.2	2381.1	2391.4	2402.9	2409.8	2401.8	2396.0	2384.6	2397.2
25°	2455.7	2467.2	2470.6	2488.9	2500.4	2507.3	2515.3	2511.9	2503.9	2490.1	2495.8
27.5°	2587.6	2589.9	2595.6	2616.3	2623.1	2630.0	2638.1	2639.2	2627.7	2611.7	2619.7
30°	2737.8	2736.7	2749.3	2765.4	2771.1	2776.8	2788.3	2795.2	2780.3	2763.1	2771.1
32.5°	2891.5	2905.3	2921.4	2936.3	2932.8	2935.1	2953.5	2966.1	2945.4	2914.5	2921.4
35°	3064.7	3073.9	3094.5	3116.3	3111.8	3108.3	3119.8	3132.4	3103.7	3063.6	3073.9
37.5°	3242.5	3256.3	3287.2	3313.6	3306.7	3290.7	3303.3	3317.1	3289.5	3243.7	3239.1
40°	3440.9	3462.7	3507.5	3529.3	3510.9	3479.9	3501.7	3535.0	3507.5	3454.7	3442.1
42.5°	3673.8	3700.2	3744.9	3778.1	3738.0	3687.5	3724.2	3772.4	3765.5	3695.6	3673.8
45°	3961.7	3978.9	4033.9	4050.0	3990.3	3920.4	3986.9	4060.3	4043.1	3967.4	3938.7
47.5°	4274.8	4301.2	4349.3	4379.2	4282.8	4195.6	4288.6	4387.2	4368.8	4297.7	4264.5
50°	4673.9	4708.3	4771.4	4796.7	4663.6	4563.8	4683.1	4808.1	4772.6	4677.4	4633.8
52.5°	5108.6	5136.2	5244.0	5294.5	5169.4	5061.6	5166.0	5288.7	5213.0	5086.8	5028.4
55°	5491.7	5519.3	5677.5	5845.0	5839.3	5764.7	5817.5	5819.8	5614.5	5405.7	5343.8
57.5°	5574.3	5601.8	5903.5	6341.6	6651.3	6737.4	6582.5	6256.8	5739.5	5373.6	5303.6
60°	5133.9	5164.8	5644.3	6444.9	7463.4	8038.0	7324.6	6247.6	5352.9	4857.5	4790.9
62.5°	3977.7	4011.0	4655.6	5857.6	7791.4	9339.8	7540.2	5590.4	4403.2	3775.9	3717.4
65°	1899.4	1899.4	2718.3	4201.4	7137.6	9308.9	6916.3	4136.0	2650.7	2035.9	1985.4
67.5°	470.3	472.6	699.7	1635.6	4855.2	7429.0	4934.3	1985.4	933.6	660.7	643.5
70°	293.6	292.5	324.6	442.7	1698.7	4508.8	2017.5	598.7	379.6	334.9	332.6
72.5°	228.2	228.2	244.3	283.3	445.0	1535.8	588.4	332.6	275.3	247.7	247.7
75°	180.1	180.1	191.5	212.2	262.7	395.7	313.1	246.6	213.3	195.0	192.7
77.5°	134.2	136.5	145.7	159.4	178.9	222.5	198.4	185.8	166.3	152.5	148.0
80°	87.2	90.6	102.1	110.1	117.0	146.8	129.6	135.3	126.2	110.1	107.8
82.5°	47.0	48.2	61.9	64.2	66.5	80.3	82.6	86.0	89.5	70.0	65.4
85°	17.2	17.2	20.6	24.1	26.4	28.7	39.0	48.2	50.5	40.1	39.0
87.5°	3.4	3.4	3.4	2.3	2.3	2.3	6.9	12.6	20.6	16.1	16.1
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)