

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: P635543

Luminaire Tested: GWS-SA3E-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635543
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-SA3E-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16931 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

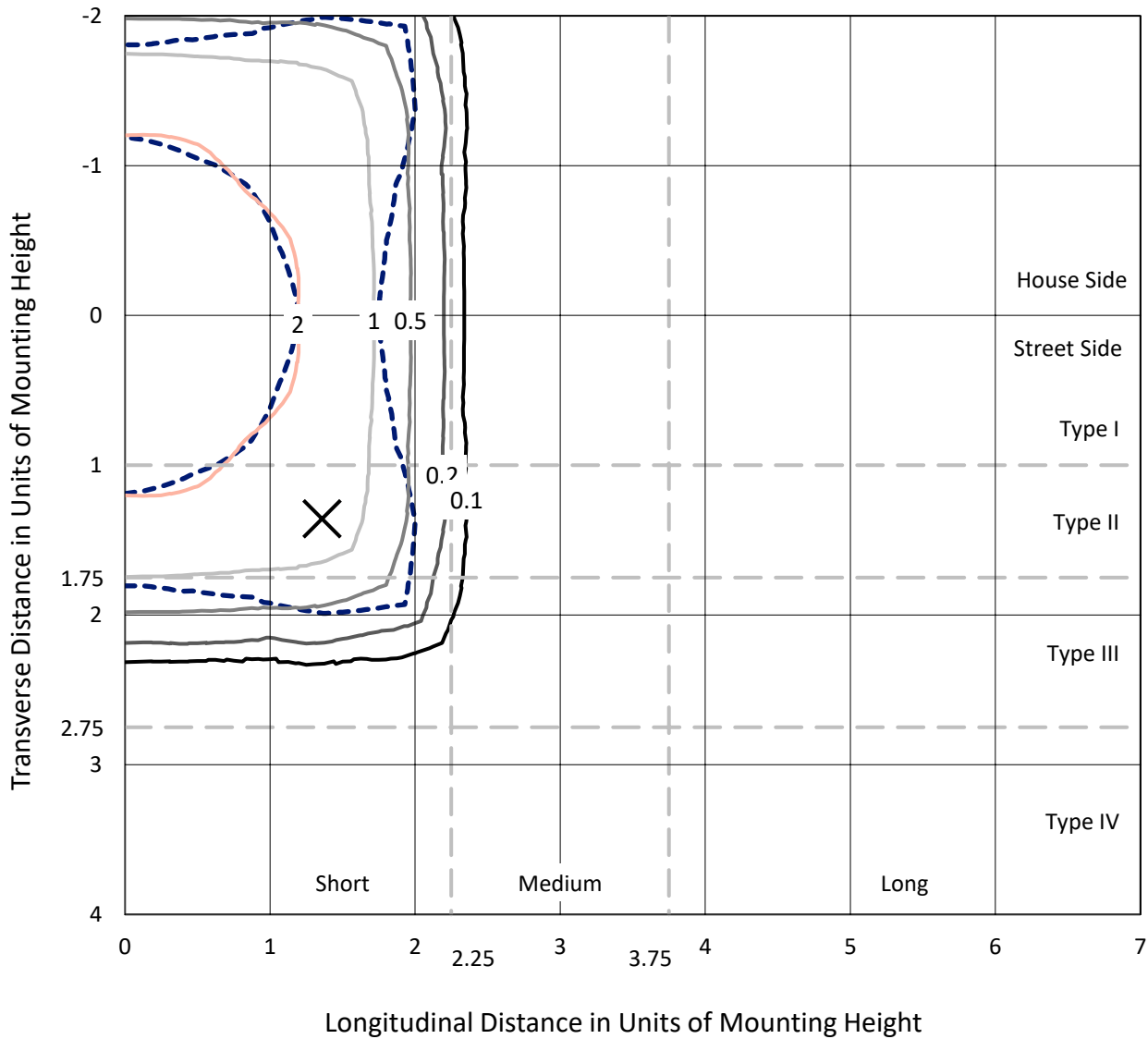
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

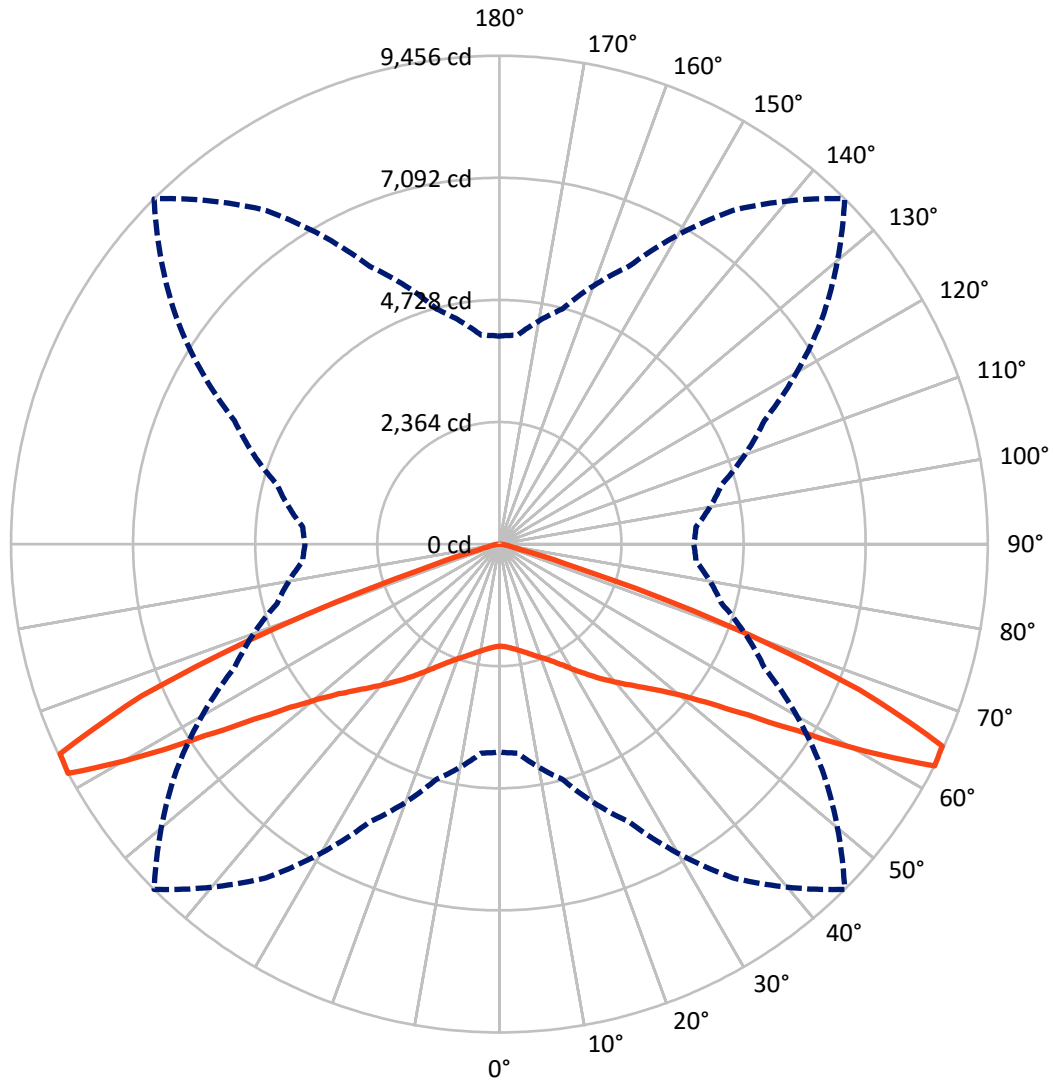
✕ Max cd
 - - - 1/2 Max cd



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	8465.5	0.0	8465.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8465.5	0.0	8465.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16931.0	0.0	16931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.8	1.1
10°-20°	625.0	3.7
20°-30°	1182.4	7.0
30°-40°	1990.1	11.8
40°-50°	3179.6	18.8
50°-60°	5125.3	30.3
60°-70°	4181.6	24.7
70°-80°	406.1	2.4
80°-90°	47.3	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°	16931.0	100.0
0°-180°	16931.0	100.0

Coefficient of Utilization



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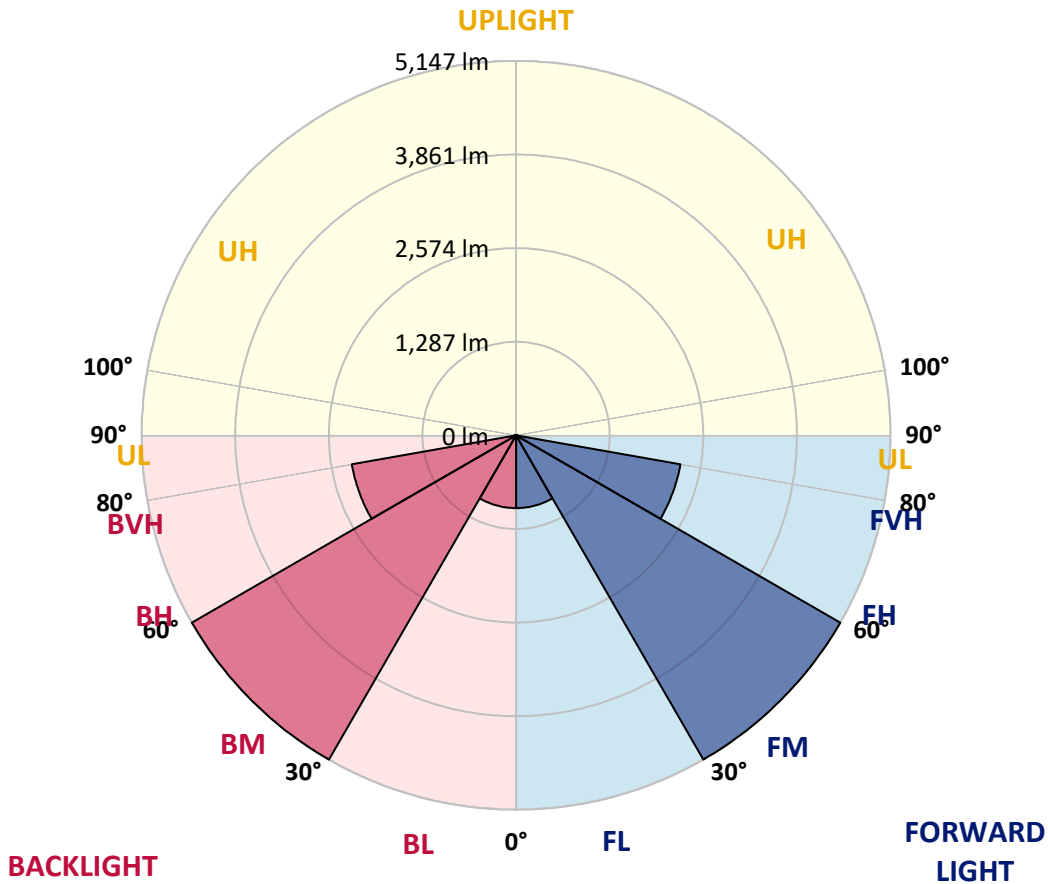
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.6	5.9			
FM (30°-60°)	5147.5	30.4			
FH (60°-80°)	2293.9	13.5			G2/5000
FVH (80°-90°)	23.6	0.1			G1/100
BL (0°-30°)	1000.6	5.9	B3/2500		
BM (30°-60°)	5147.5	30.4	B4/8500		
BH (60°-80°)	2293.9	13.5	B3/2500		G2/5000
BVH (80°-90°)	23.6	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°	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2	1975.2
2.5°	1972.9	1972.9	1977.6	1981.0	1978.7	1988.0	1986.8	1984.5	1983.4	1979.9	1990.3
5°	1999.6	1999.6	2003.1	2006.6	2000.8	2012.4	2007.7	2005.4	2004.3	1999.6	2008.9
7.5°	2029.8	2033.3	2034.5	2040.3	2036.8	2049.5	2046.1	2041.4	2039.1	2033.3	2041.4
10°	2063.5	2065.8	2067.0	2077.4	2078.6	2093.7	2090.2	2084.4	2079.7	2073.9	2085.5
12.5°	2108.8	2109.9	2113.4	2126.2	2129.7	2141.3	2140.1	2132.0	2126.2	2118.1	2130.8
15°	2166.8	2168.0	2173.8	2186.6	2192.4	2206.3	2201.7	2188.9	2180.8	2171.5	2181.9
17.5°	2227.2	2231.9	2237.7	2250.4	2258.6	2274.8	2269.0	2255.1	2248.1	2238.8	2245.8
20°	2305.0	2306.2	2309.7	2323.6	2329.4	2348.0	2349.1	2335.2	2331.7	2322.4	2332.9
22.5°	2390.9	2392.1	2395.6	2410.7	2421.1	2432.7	2439.7	2431.6	2425.8	2414.2	2426.9
25°	2486.2	2497.8	2501.3	2519.8	2531.5	2538.4	2546.5	2543.1	2534.9	2521.0	2526.8
27.5°	2619.7	2622.0	2627.8	2648.7	2655.7	2662.7	2670.8	2672.0	2660.3	2644.1	2652.2
30°	2771.8	2770.7	2783.4	2799.7	2805.5	2811.3	2822.9	2829.9	2814.8	2797.4	2805.5
32.5°	2927.4	2941.4	2957.6	2972.7	2969.2	2971.6	2990.1	3002.9	2982.0	2950.7	2957.6
35°	3102.8	3112.1	3133.0	3155.0	3150.4	3146.9	3158.5	3171.3	3142.3	3101.6	3112.1
37.5°	3282.8	3296.7	3328.0	3354.8	3347.8	3331.5	3344.3	3358.2	3330.4	3283.9	3279.3
40°	3483.6	3505.7	3551.0	3573.1	3554.5	3523.1	3545.2	3578.9	3551.0	3497.6	3484.8
42.5°	3719.4	3746.1	3791.4	3825.0	3784.4	3733.3	3770.5	3819.2	3812.3	3741.4	3719.4
45°	4010.8	4028.3	4084.0	4100.3	4039.9	3969.0	4036.4	4110.7	4093.3	4016.6	3987.6
47.5°	4327.9	4354.6	4403.3	4433.5	4336.0	4247.7	4341.8	4441.7	4423.1	4351.1	4317.4
50°	4732.0	4766.8	4830.7	4856.2	4721.5	4620.5	4741.2	4867.8	4831.8	4735.4	4691.3
52.5°	5172.1	5199.9	5309.1	5360.2	5233.6	5124.4	5230.1	5354.4	5277.7	5150.0	5090.8
55°	5559.9	5587.8	5748.0	5917.6	5911.8	5836.3	5889.7	5892.0	5684.2	5472.8	5410.1
57.5°	5643.5	5671.4	5976.8	6420.4	6733.9	6821.0	6664.2	6334.4	5810.7	5440.3	5369.5
60°	5197.6	5229.0	5714.3	6524.9	7556.0	8137.8	7415.5	6325.1	5419.4	4917.8	4850.4
62.5°	4027.1	4060.8	4713.4	5930.3	7888.1	9455.8	7633.8	5659.8	4457.9	3822.7	3763.5
65°	1923.0	1923.0	2752.1	4253.5	7226.3	9424.4	7002.1	4187.3	2683.6	2061.2	2010.1
67.5°	476.1	478.4	708.3	1655.9	4915.4	7521.2	4995.6	2010.1	945.2	668.9	651.4
70°	297.3	296.1	328.6	448.2	1719.8	4564.7	2042.6	606.2	384.4	339.1	336.8
72.5°	231.1	231.1	247.3	286.8	450.6	1554.9	595.7	336.8	278.7	250.8	250.8
75°	182.3	182.3	193.9	214.8	265.9	400.6	317.0	249.7	216.0	197.4	195.1
77.5°	135.9	138.2	147.5	161.4	181.1	225.3	200.9	188.1	168.4	154.4	149.8
80°	88.3	91.7	103.3	111.5	118.4	148.6	131.2	137.0	127.7	111.5	109.2
82.5°	47.6	48.8	62.7	65.0	67.4	81.3	83.6	87.1	90.6	70.8	66.2
85°	17.4	17.4	20.9	24.4	26.7	29.0	39.5	48.8	51.1	40.6	39.5
87.5°	3.5	3.5	3.5	2.3	2.3	2.3	7.0	12.8	20.9	16.3	16.3
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)