

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: P639501

Luminaire Tested: GWS-SA5C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12342.7 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

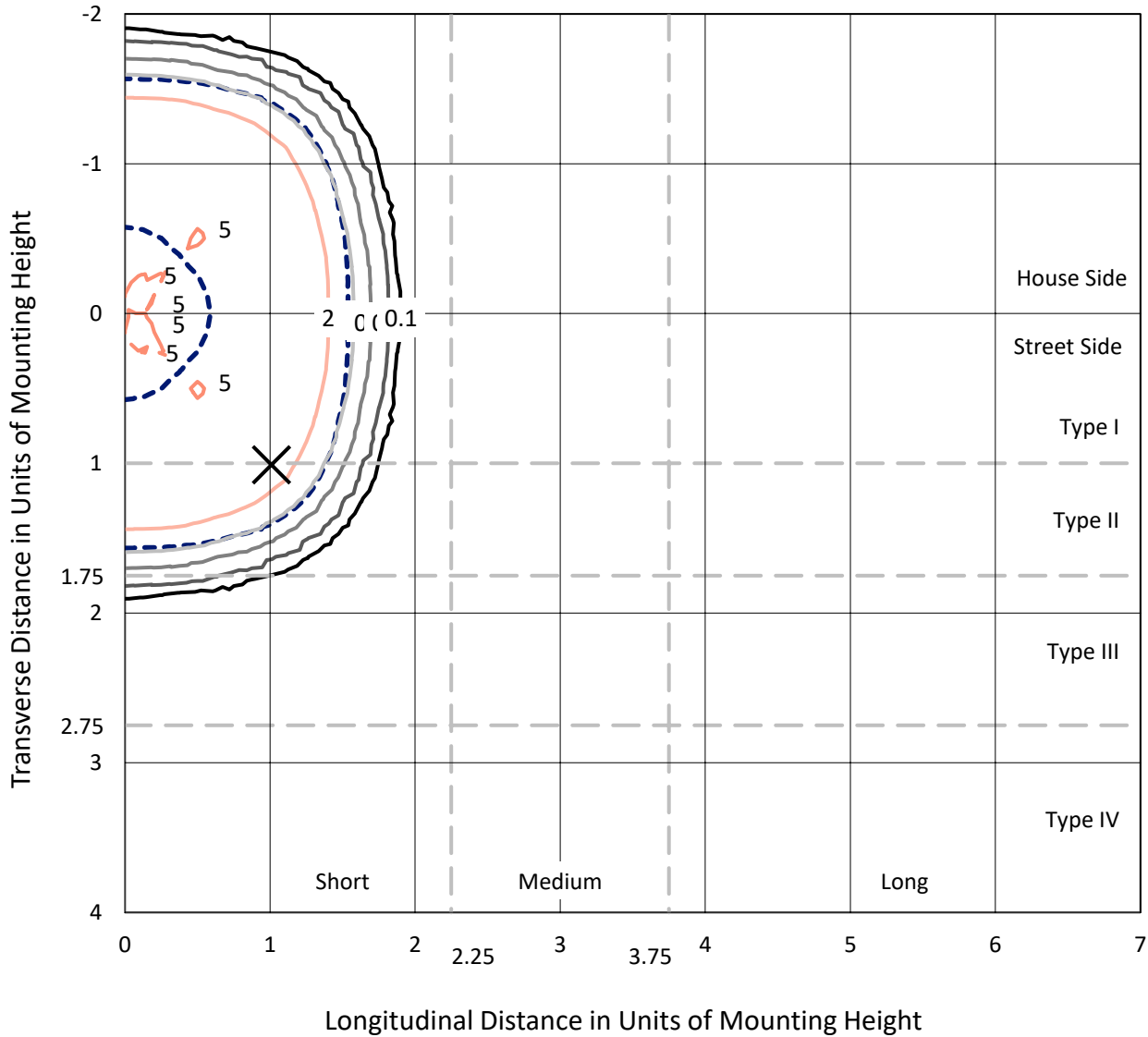
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

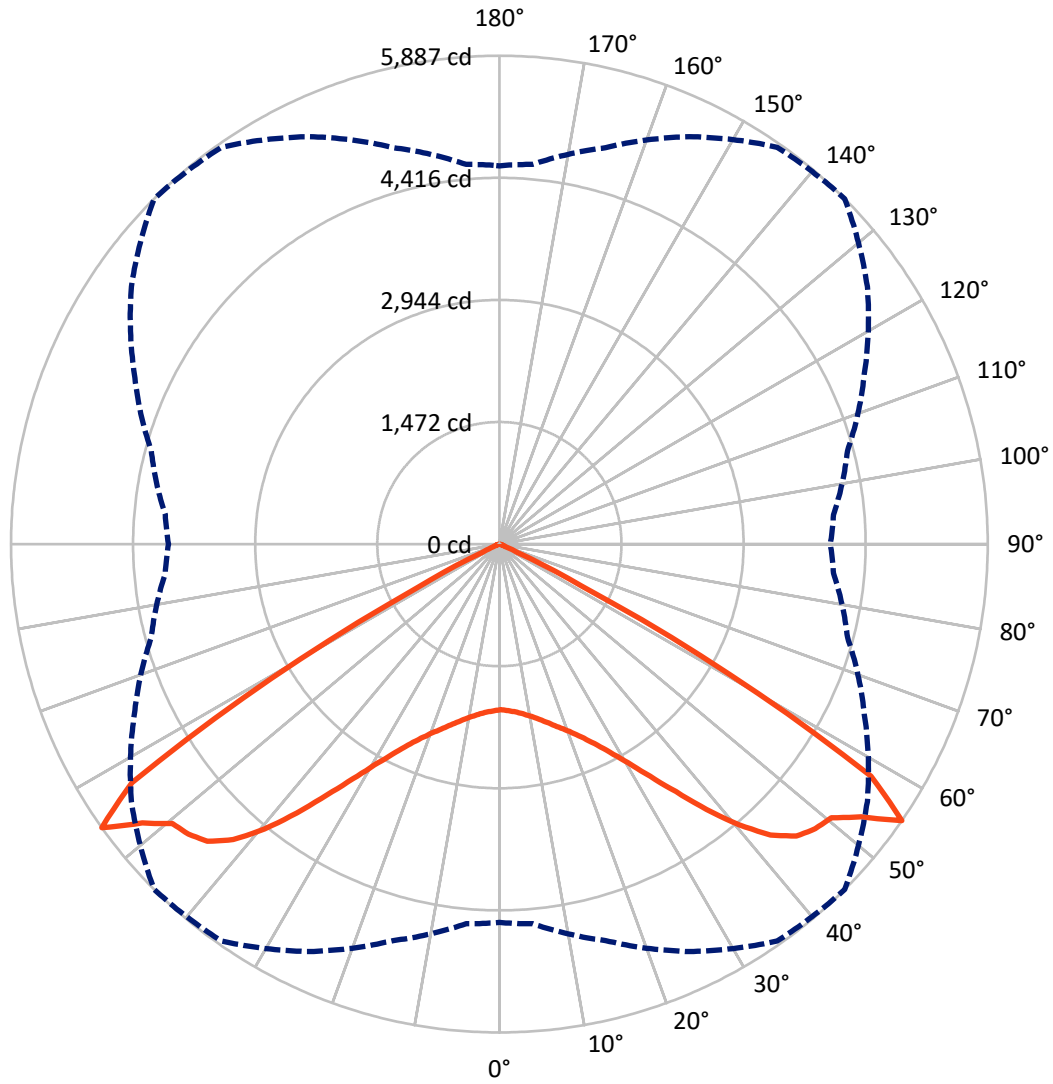
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6171.4	0.0	6171.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6171.4	0.0	6171.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12342.7	0.0	12342.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.5	1.6
10°-20°	633.8	5.1
20°-30°	1227.4	9.9
30°-40°	2199.0	17.8
40°-50°	3686.8	29.9
50°-60°	3946.5	32.0
60°-70°	433.7	3.5
70°-80°	19.1	0.2
80°-90°	0.9	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°	12342.7	100.0
0°-180°	12342.7	100.0

Coefficient of Utilization



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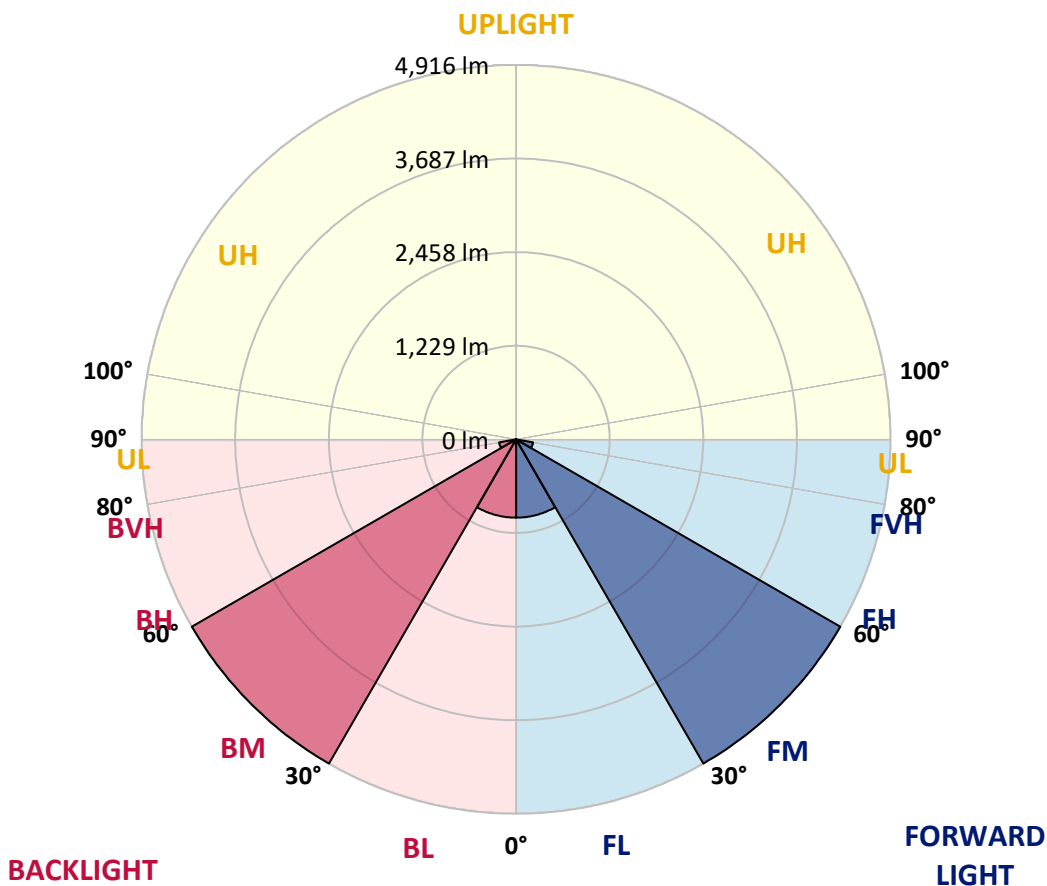
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.4	8.3			
FM (30°-60°)	4916.1	39.8			
FH (60°-80°)	226.4	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1028.4	8.3	B3/2500		
BM (30°-60°)	4916.1	39.8	B3/5000		
BH (60°-80°)	226.4	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6	1995.6
2.5°	1991.8	1991.8	1996.8	2000.6	2000.6	2010.7	2006.9	2003.1	2003.1	1998.1	2008.2
5°	2020.7	2019.5	2024.5	2027.0	2022.0	2032.0	2025.8	2022.0	2019.5	2014.4	2024.5
7.5°	2052.2	2053.4	2054.7	2059.7	2057.2	2067.3	2062.2	2054.7	2052.2	2044.6	2054.7
10°	2089.9	2089.9	2092.4	2098.7	2099.9	2112.5	2107.5	2098.7	2091.1	2083.6	2093.7
12.5°	2137.7	2138.9	2142.7	2151.5	2156.5	2170.4	2162.8	2145.2	2133.9	2125.1	2136.4
15°	2206.8	2205.6	2210.6	2223.2	2229.5	2239.5	2228.2	2204.3	2190.5	2180.4	2188.0
17.5°	2282.3	2282.3	2284.8	2297.4	2306.2	2321.3	2307.4	2278.5	2265.9	2252.1	2259.6
20°	2365.3	2369.0	2371.6	2380.4	2395.4	2410.5	2399.2	2370.3	2356.5	2338.9	2347.7
22.5°	2474.7	2470.9	2472.2	2487.2	2508.6	2523.7	2514.9	2481.0	2457.1	2443.2	2448.3
25°	2596.6	2595.4	2599.2	2621.8	2645.7	2662.0	2649.5	2605.4	2581.5	2557.7	2567.7
27.5°	2746.3	2747.5	2750.0	2777.7	2815.4	2839.3	2807.9	2763.9	2731.2	2699.7	2707.3
30°	2923.6	2921.1	2928.6	2966.3	3021.7	3059.4	3022.9	2961.3	2914.8	2884.6	2888.4
32.5°	3112.2	3114.7	3134.8	3195.2	3268.1	3334.8	3260.6	3178.8	3118.5	3061.9	3069.4
35°	3315.9	3322.2	3367.5	3456.7	3576.2	3665.5	3562.4	3427.8	3342.3	3269.4	3271.9
37.5°	3556.1	3571.2	3634.0	3767.3	3938.3	4057.8	3906.9	3728.3	3617.7	3527.2	3520.9
40°	3871.7	3889.3	3974.8	4133.2	4340.7	4450.1	4275.3	4091.7	3954.7	3856.6	3841.5
42.5°	4233.8	4256.5	4349.5	4511.7	4719.2	4793.4	4622.4	4467.7	4344.5	4228.8	4223.8
45°	4642.5	4655.1	4730.5	4855.0	5004.7	5022.3	4894.0	4808.5	4684.0	4575.9	4567.1
47.5°	5026.0	5038.6	5090.2	5154.3	5189.5	5126.6	5104.0	5066.3	4905.3	4772.0	4744.4
50°	5317.8	5327.8	5392.0	5417.1	5319.0	5185.7	5229.7	5149.3	4974.5	4824.8	4782.1
52.5°	5297.6	5322.8	5487.5	5630.9	5569.3	5461.1	5342.9	5169.4	4897.8	4692.8	4640.0
55°	4560.8	4594.7	4948.1	5419.6	5840.9	5887.4	5414.6	4855.0	4344.5	4044.0	3989.9
57.5°	2931.1	2939.9	3371.2	4032.6	4982.0	5281.3	4490.4	3660.4	3025.4	2694.7	2672.1
60°	1077.6	1060.0	1385.7	1934.0	2869.5	3186.4	2643.2	1851.0	1320.3	1086.4	1067.6
62.5°	259.0	261.6	324.4	486.6	900.3	1114.1	880.2	491.7	313.1	262.8	260.3
65°	130.8	128.3	129.5	139.6	192.4	230.1	188.6	133.3	128.3	129.5	128.3
67.5°	84.2	83.0	85.5	86.8	85.5	80.5	79.2	81.7	81.7	83.0	80.5
70°	51.6	50.3	52.8	56.6	54.1	47.8	50.3	52.8	50.3	49.0	49.0
72.5°	27.7	27.7	30.2	32.7	30.2	27.7	27.7	28.9	27.7	27.7	27.7
75°	12.6	12.6	13.8	15.1	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	3.8	3.8	5.0	5.0	3.8	3.8	3.8	3.8	5.0	5.0	5.0
80°	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)