

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: P636036

Luminaire Tested: GWS-SA3F-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636036
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-SA3F-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12673.4 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

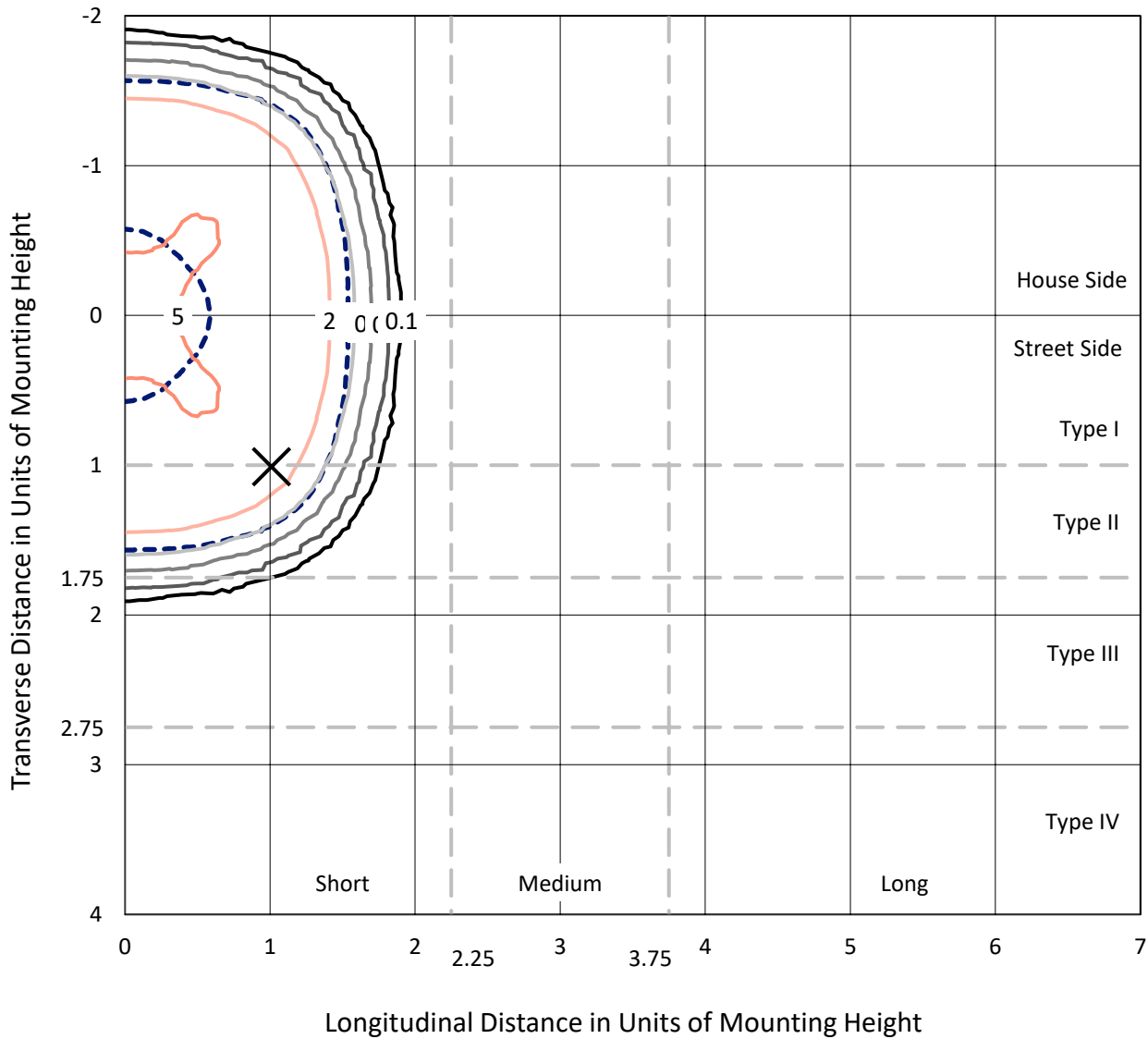
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

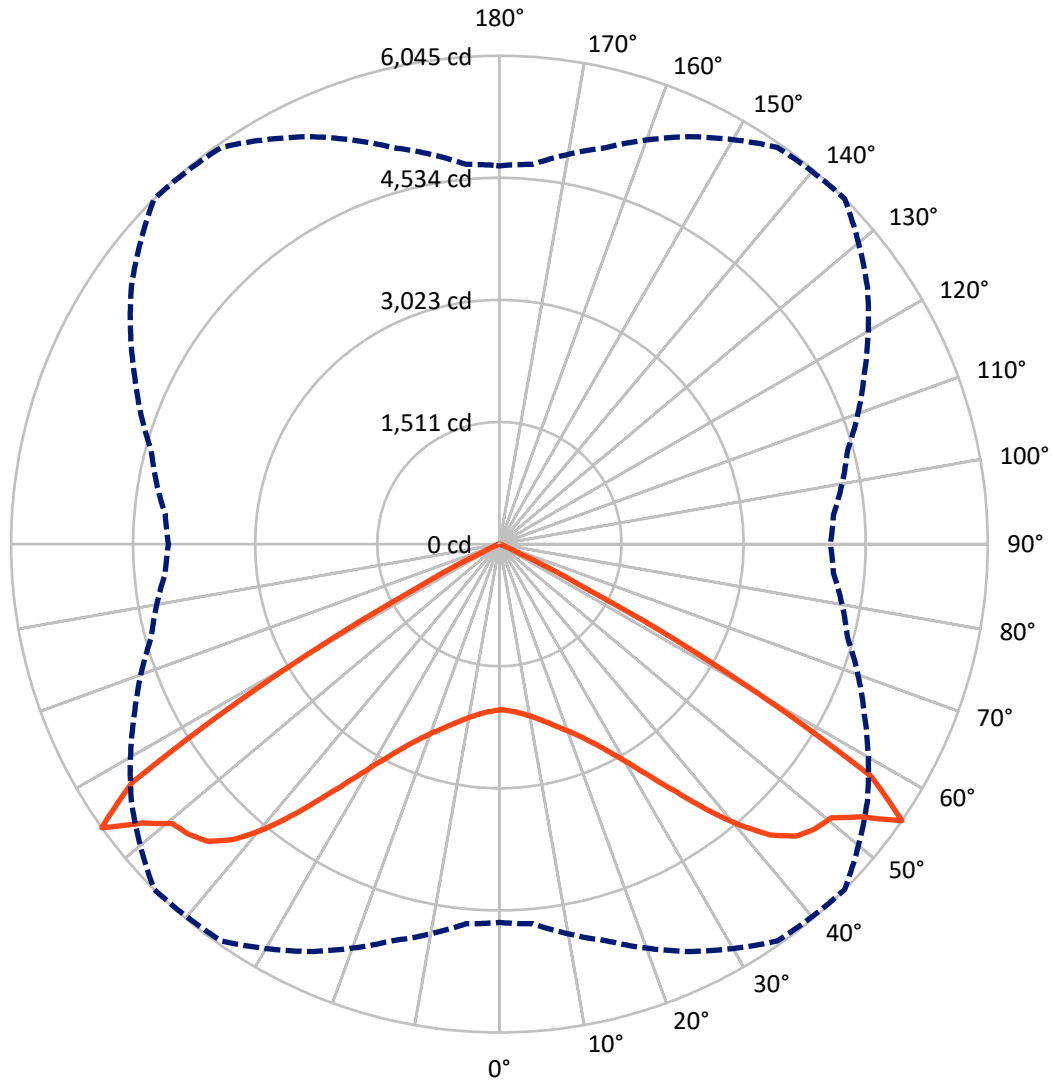
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	6336.7	0.0	6336.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6336.7	0.0	6336.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12673.4	0.0	12673.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	1.6
10°-20°	650.8	5.1
20°-30°	1260.3	9.9
30°-40°	2257.9	17.8
40°-50°	3785.6	29.9
50°-60°	4052.3	32.0
60°-70°	445.3	3.5
70°-80°	19.6	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°	12673.4	100.0
0°-180°	12673.4	100.0

Coefficient of Utilization



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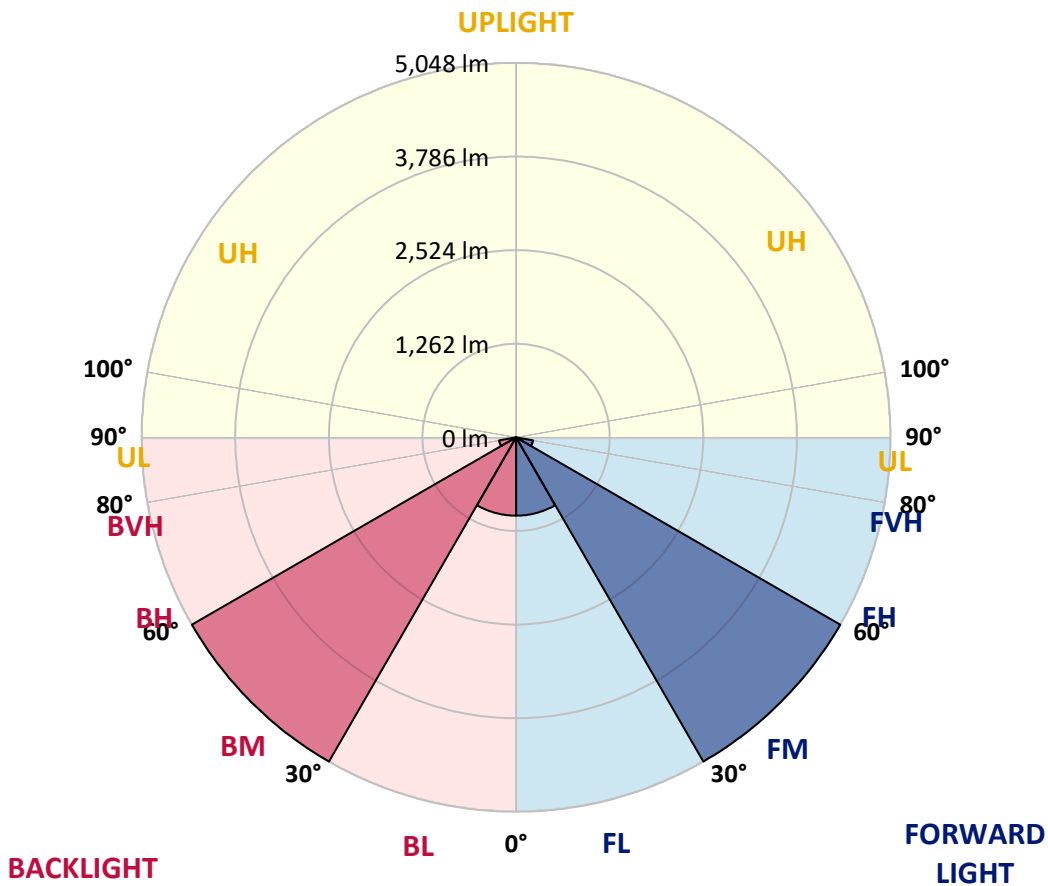
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.9	8.3			
FM (30°-60°)	5047.9	39.8			
FH (60°-80°)	232.5	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1055.9	8.3	B3/2500		
BM (30°-60°)	5047.9	39.8	B4/8500		
BH (60°-80°)	232.5	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: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0
2.5°	2045.2	2045.2	2050.3	2054.2	2054.2	2064.5	2060.7	2056.8	2056.8	2051.6	2062.0
5°	2074.9	2073.6	2078.7	2081.3	2076.2	2086.5	2080.0	2076.2	2073.6	2068.4	2078.7
7.5°	2107.1	2108.4	2109.7	2114.9	2112.3	2122.6	2117.5	2109.7	2107.1	2099.4	2109.7
10°	2145.9	2145.9	2148.5	2154.9	2156.2	2169.1	2164.0	2154.9	2147.2	2139.4	2149.8
12.5°	2194.9	2196.2	2200.1	2209.1	2214.3	2228.5	2220.8	2202.7	2191.1	2182.0	2193.7
15°	2266.0	2264.7	2269.8	2282.7	2289.2	2299.5	2287.9	2263.4	2249.2	2238.8	2246.6
17.5°	2343.4	2343.4	2346.0	2358.9	2368.0	2383.5	2369.2	2339.6	2326.6	2312.4	2320.2
20°	2428.6	2432.5	2435.1	2444.1	2459.6	2475.1	2463.5	2433.8	2419.6	2401.5	2410.6
22.5°	2541.0	2537.1	2538.4	2553.9	2575.8	2591.3	2582.3	2547.4	2522.9	2508.7	2513.9
25°	2666.2	2664.9	2668.8	2692.0	2716.6	2733.4	2720.4	2675.2	2650.7	2626.2	2636.5
27.5°	2819.9	2821.1	2823.7	2852.1	2890.9	2915.4	2883.1	2837.9	2804.4	2772.1	2779.8
30°	3001.9	2999.3	3007.1	3045.8	3102.6	3141.4	3103.9	3040.6	2992.9	2961.9	2965.8
32.5°	3195.6	3198.2	3218.8	3280.8	3355.7	3424.1	3347.9	3264.0	3202.0	3143.9	3151.7
35°	3404.7	3411.2	3457.7	3549.4	3672.0	3763.7	3657.8	3519.7	3431.9	3357.0	3359.6
37.5°	3651.4	3666.8	3731.4	3868.3	4043.9	4166.5	4011.6	3828.2	3714.6	3621.7	3615.2
40°	3975.4	3993.5	4081.3	4244.0	4457.0	4569.4	4389.9	4201.4	4060.6	3959.9	3944.4
42.5°	4347.3	4370.5	4466.1	4632.6	4845.7	4921.8	4746.2	4587.4	4460.9	4342.1	4337.0
45°	4766.9	4779.8	4857.3	4985.1	5138.8	5156.8	5025.1	4937.3	4809.5	4698.5	4689.4
47.5°	5160.7	5173.6	5226.5	5292.4	5328.5	5264.0	5240.8	5202.0	5036.8	4899.9	4871.5
50°	5460.2	5470.6	5536.4	5562.2	5461.5	5324.7	5369.9	5287.2	5107.8	4954.1	4910.2
52.5°	5439.6	5465.4	5634.5	5781.7	5718.5	5607.4	5486.1	5307.9	5029.0	4818.5	4764.3
55°	4683.0	4717.8	5080.6	5564.8	5997.4	6045.1	5559.7	4985.1	4460.9	4152.3	4096.8
57.5°	3009.7	3018.7	3461.6	4140.7	5115.5	5422.8	4610.7	3758.5	3106.5	2766.9	2743.7
60°	1106.5	1088.4	1422.8	1985.8	2946.4	3271.8	2714.0	1900.6	1355.7	1115.5	1096.2
62.5°	266.0	268.6	333.1	499.7	924.5	1144.0	903.8	504.8	321.5	269.8	267.3
65°	134.3	131.7	133.0	143.3	197.5	236.3	193.7	136.9	131.7	133.0	131.7
67.5°	86.5	85.2	87.8	89.1	87.8	82.6	81.3	83.9	83.9	85.2	82.6
70°	52.9	51.6	54.2	58.1	55.5	49.1	51.6	54.2	51.6	50.4	50.4
72.5°	28.4	28.4	31.0	33.6	31.0	28.4	28.4	29.7	28.4	28.4	28.4
75°	12.9	12.9	14.2	15.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9
77.5°	3.9	3.9	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
80°	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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)