

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: P636033

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 11004 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

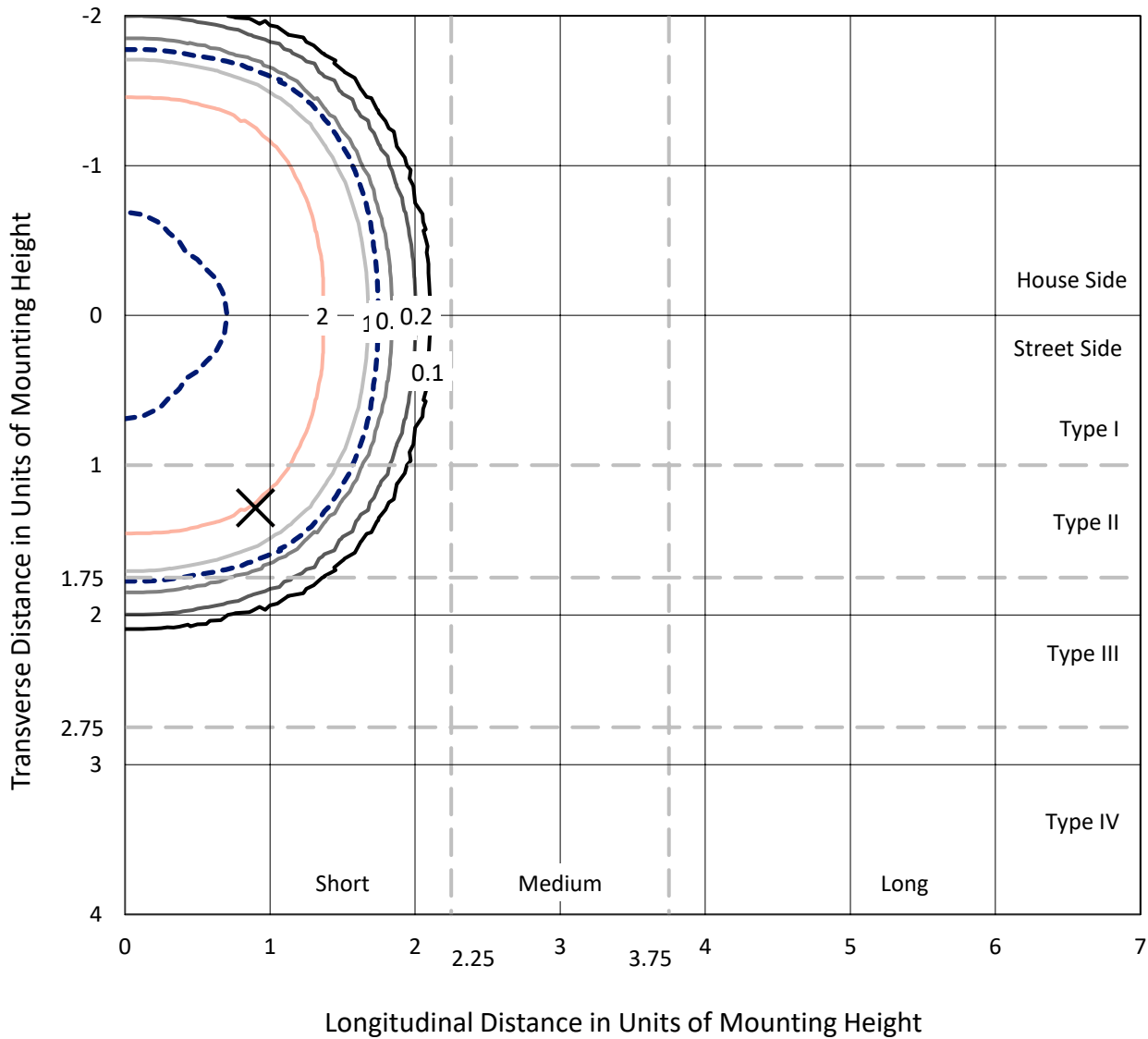
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

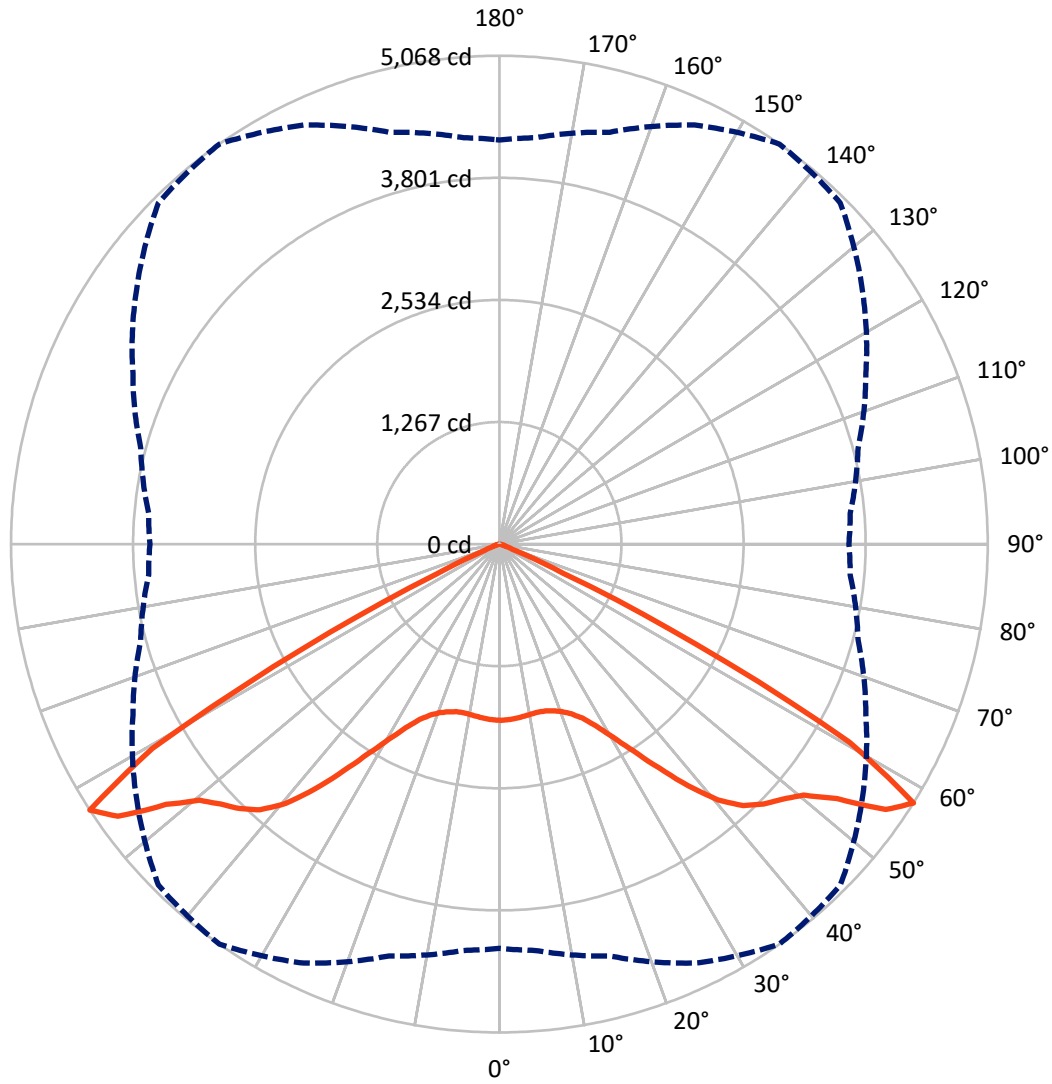
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5502.0	0.0	5502.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5502.0	0.0	5502.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11004.0	0.0	11004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.6
10°-20°	507.0	4.6
20°-30°	916.5	8.3
30°-40°	1709.8	15.5
40°-50°	2868.2	26.1
50°-60°	3787.8	34.4
60°-70°	1005.9	9.1
70°-80°	35.7	0.3
80°-90°	0.6	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°	11004.0	100.0
0°-180°	11004.0	100.0

Coefficient of Utilization



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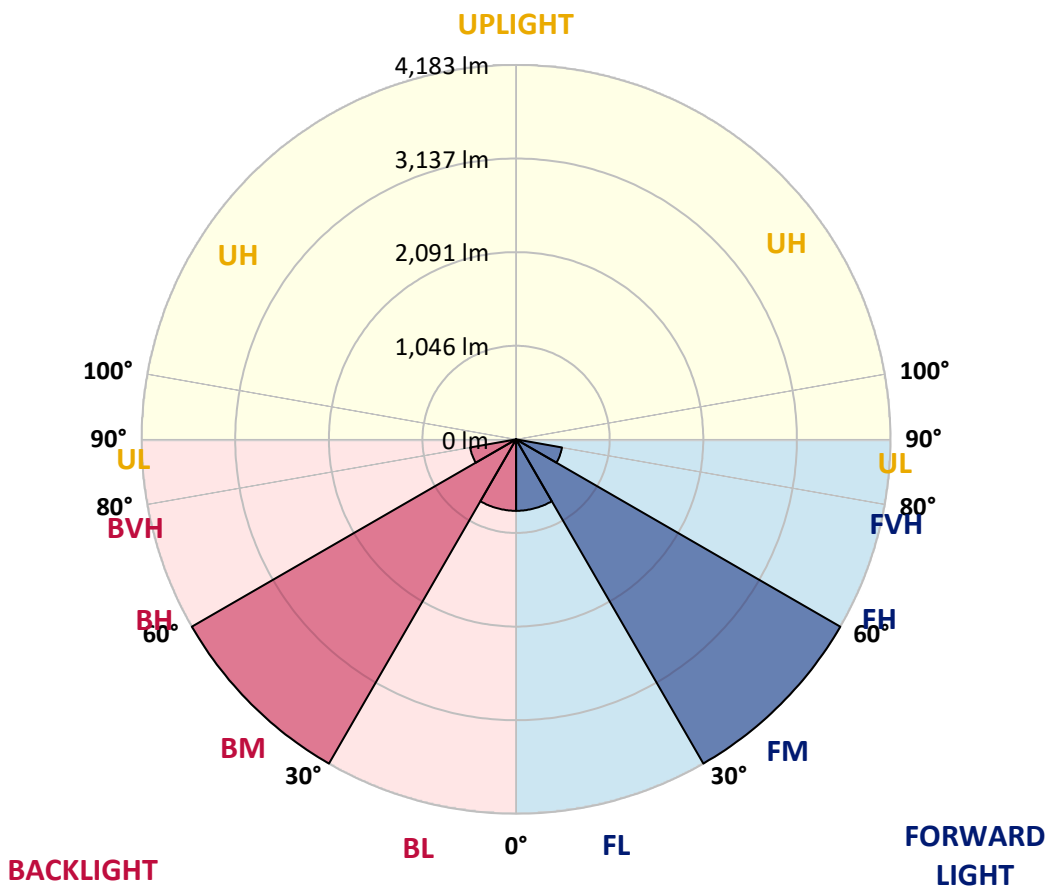
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.0	7.3			
FM (30°-60°)	4182.9	38.0			
FH (60°-80°)	520.8	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	798.0	7.3	B2/1000		
BM (30°-60°)	4182.9	38.0	B3/5000		
BH (60°-80°)	520.8	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	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°	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5	1829.5
2.5°	1816.6	1815.3	1820.5	1824.3	1824.3	1833.4	1830.8	1828.2	1825.6	1821.8	1830.8
5°	1814.0	1812.7	1816.6	1819.2	1816.6	1824.3	1819.2	1814.0	1811.4	1806.3	1816.6
7.5°	1802.4	1803.7	1806.3	1808.9	1805.0	1811.4	1805.0	1797.2	1790.8	1785.6	1794.7
10°	1784.3	1785.6	1788.2	1793.4	1794.7	1803.7	1794.7	1780.5	1771.4	1763.7	1772.7
12.5°	1775.3	1776.6	1780.5	1786.9	1788.2	1799.8	1788.2	1767.5	1754.6	1745.6	1754.6
15°	1777.9	1780.5	1785.6	1793.4	1795.9	1807.6	1792.1	1765.0	1746.9	1735.3	1743.0
17.5°	1786.9	1789.5	1797.2	1810.1	1819.2	1830.8	1811.4	1776.6	1752.0	1735.3	1743.0
20°	1798.5	1802.4	1815.3	1836.0	1855.3	1876.0	1851.5	1803.7	1771.4	1750.8	1757.2
22.5°	1830.8	1834.7	1852.8	1879.9	1912.1	1938.0	1908.3	1847.6	1803.7	1776.6	1783.0
25°	1896.7	1900.5	1923.8	1958.6	1999.9	2033.5	1996.1	1919.9	1863.1	1832.1	1834.7
27.5°	1999.9	2003.8	2030.9	2080.0	2135.5	2183.3	2129.1	2040.0	1975.4	1939.3	1939.3
30°	2130.3	2135.5	2171.7	2237.5	2324.0	2387.3	2313.7	2205.2	2122.6	2073.5	2074.8
32.5°	2298.2	2293.0	2344.7	2435.0	2557.7	2641.6	2533.2	2401.5	2299.5	2231.1	2237.5
35°	2513.8	2512.5	2570.6	2693.3	2853.4	2954.1	2825.0	2654.5	2531.9	2462.2	2463.5
37.5°	2791.4	2790.1	2857.2	2990.2	3182.6	3266.5	3121.9	2948.9	2817.2	2750.1	2757.8
40°	3116.8	3109.0	3168.4	3296.2	3488.6	3542.8	3385.3	3245.9	3119.3	3076.7	3097.4
42.5°	3426.6	3409.8	3444.7	3560.9	3709.4	3717.1	3598.3	3502.8	3416.3	3382.7	3395.6
45°	3675.8	3662.9	3695.2	3762.3	3847.5	3808.8	3752.0	3722.3	3652.6	3616.4	3628.0
47.5°	3861.7	3861.7	3900.5	3941.8	3954.7	3883.7	3892.7	3892.7	3823.0	3766.2	3752.0
50°	4021.8	4033.5	4091.6	4134.2	4091.6	4001.2	4052.8	4042.5	3900.5	3786.8	3757.2
52.5°	4277.5	4289.1	4378.2	4436.3	4388.5	4299.4	4305.9	4176.8	3967.6	3833.3	3786.8
55°	4548.6	4577.0	4706.1	4861.1	4862.4	4770.7	4600.3	4371.7	4117.4	3971.5	3923.7
57.5°	4193.6	4232.3	4424.7	4797.8	5067.6	5004.4	4597.7	4196.1	3852.7	3653.9	3626.8
60°	2885.6	2952.8	3145.2	3655.2	4175.5	4200.0	3719.7	3269.1	2875.3	2630.0	2635.2
62.5°	1218.8	1287.2	1395.7	1815.3	2293.0	2322.7	2090.3	1767.5	1446.1	1269.2	1296.3
65°	286.6	306.0	338.3	502.2	728.2	761.8	702.4	547.4	404.1	342.1	348.6
67.5°	125.2	127.8	121.4	129.1	160.1	164.0	158.8	139.4	131.7	134.3	134.3
70°	87.8	89.1	83.9	80.0	76.2	71.0	73.6	81.3	87.8	93.0	91.7
72.5°	54.2	55.5	56.8	56.8	52.9	47.8	50.4	55.5	56.8	58.1	56.8
75°	27.1	28.4	31.0	32.3	31.0	29.7	29.7	31.0	31.0	29.7	29.7
77.5°	5.2	6.5	9.0	10.3	10.3	10.3	10.3	10.3	11.6	10.3	10.3
80°	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)