

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: P636259

Luminaire Tested: GWS-SA3F-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12867.3 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

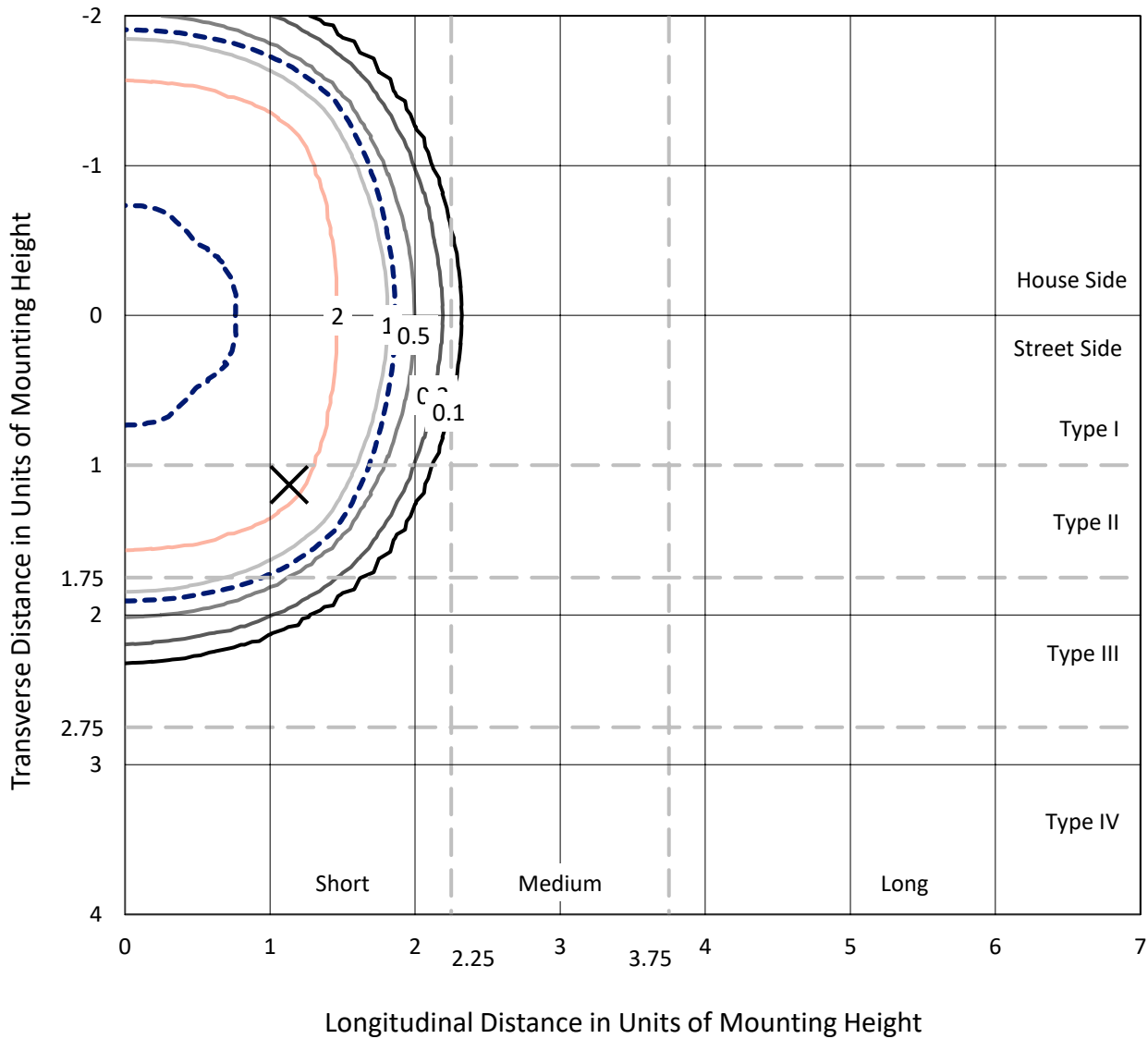


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Iso-Footcandle Lines of Horizontal Illumination

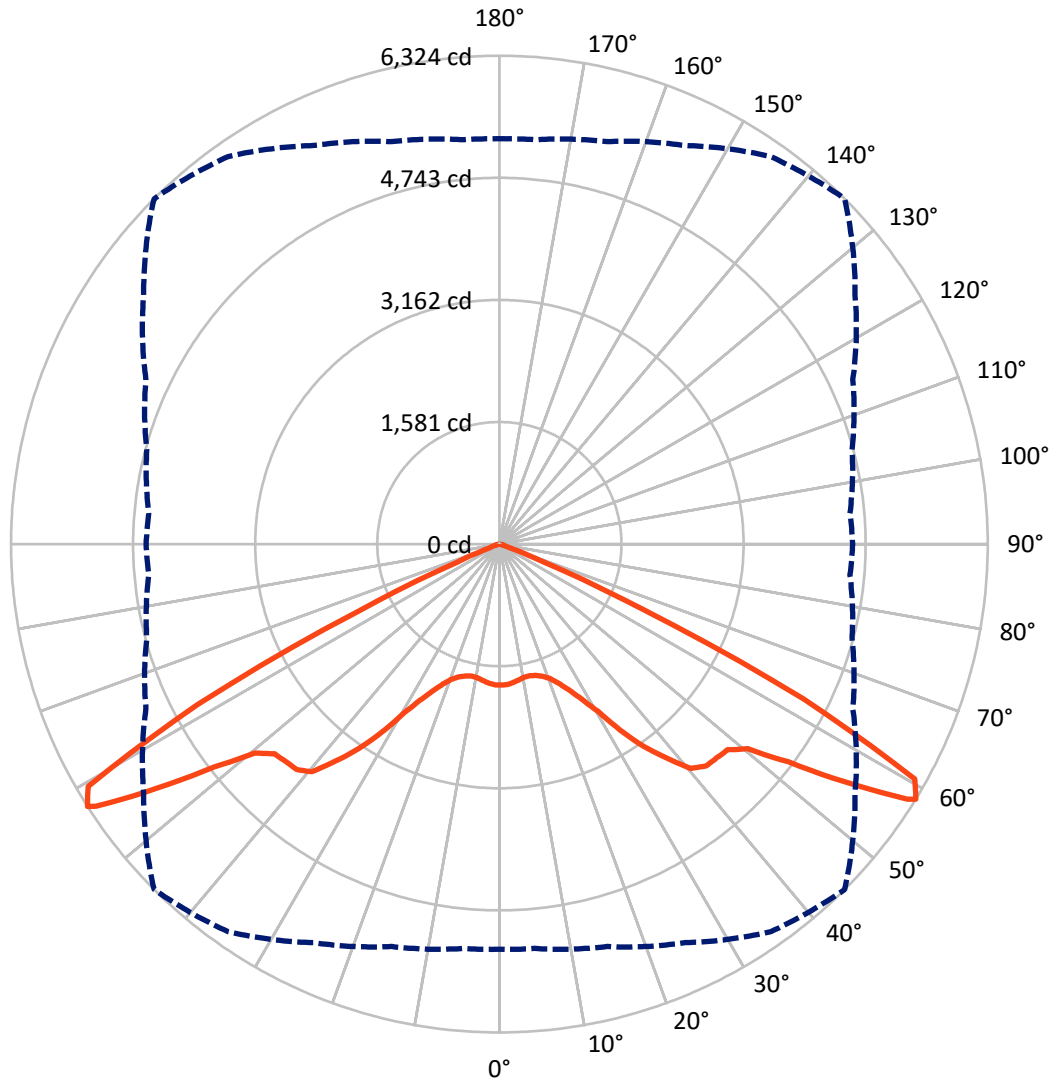
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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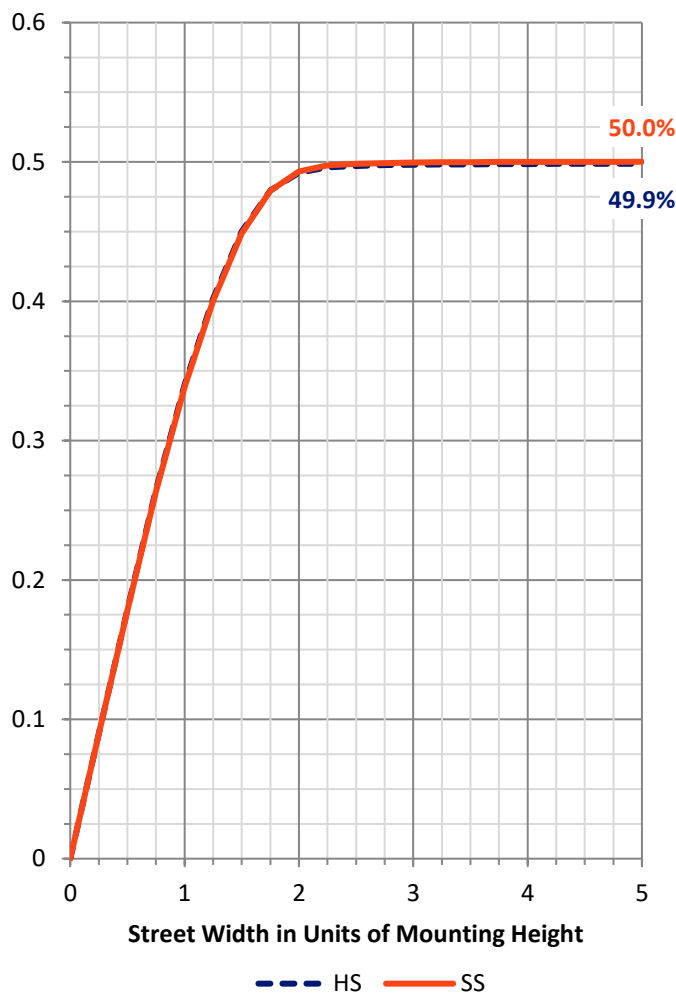
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6433.7	0.0	6433.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6433.7	0.0	6433.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12867.3	0.0	12867.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	1.3
10°-20°	503.8	3.9
20°-30°	952.8	7.4
30°-40°	1879.0	14.6
40°-50°	2973.6	23.1
50°-60°	4371.0	34.0
60°-70°	1951.0	15.2
70°-80°	65.4	0.5
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°	12867.3	100.0
0°-180°	12867.3	100.0

Coefficient of Utilization



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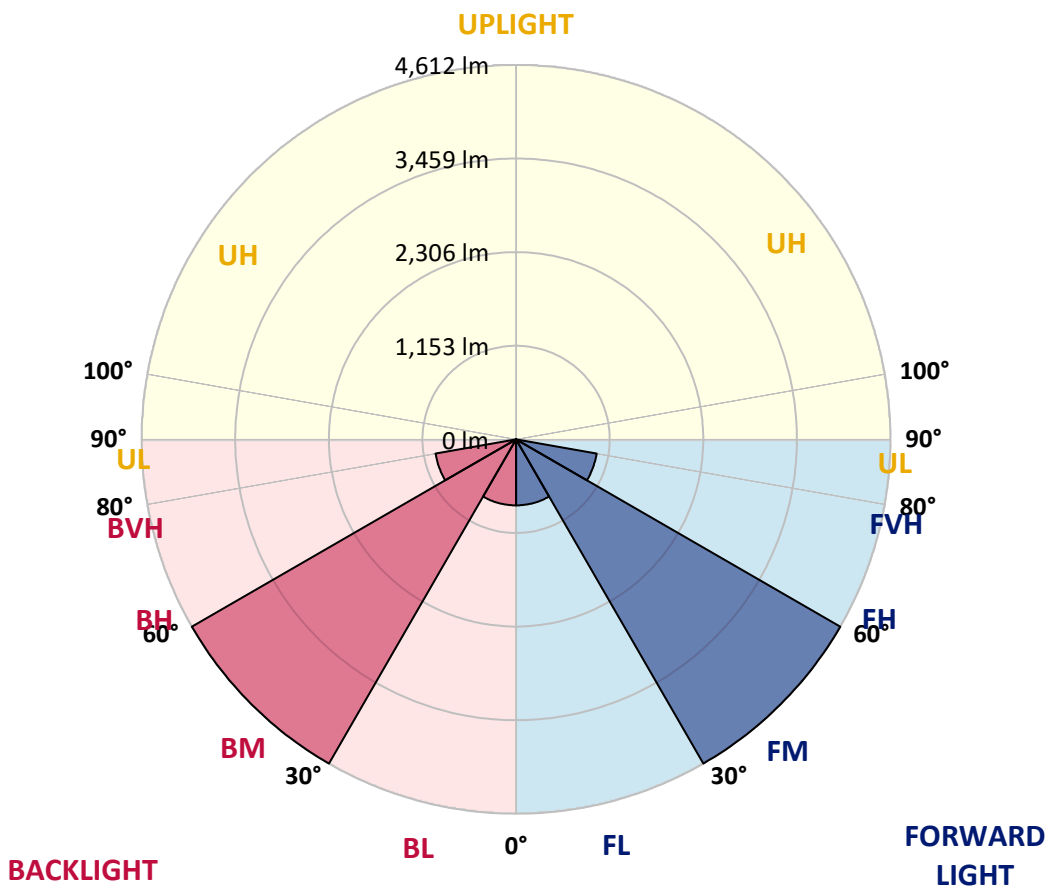
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.4	6.3			
FM (30°-60°)	4611.8	35.8			
FH (60°-80°)	1008.2	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	813.4	6.3	B2/1000		
BM (30°-60°)	4611.8	35.8	B3/5000		
BH (60°-80°)	1008.2	7.8	B3/2500		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8	1824.8
2.5°	1807.2	1810.7	1814.2	1816.0	1817.7	1823.0	1824.8	1819.5	1819.5	1809.0	1821.2
5°	1798.5	1802.0	1805.5	1803.7	1803.7	1803.7	1802.0	1795.0	1793.2	1782.7	1795.0
7.5°	1782.7	1786.2	1786.2	1780.9	1777.4	1777.4	1775.7	1766.9	1765.2	1754.6	1766.9
10°	1770.4	1772.2	1770.4	1759.9	1752.9	1752.9	1751.1	1747.6	1749.4	1742.4	1752.9
12.5°	1777.4	1779.2	1772.2	1758.1	1749.4	1747.6	1742.4	1737.1	1742.4	1740.6	1751.1
15°	1800.2	1802.0	1789.7	1772.2	1765.2	1765.2	1751.1	1737.1	1744.1	1745.9	1758.1
17.5°	1828.3	1828.3	1812.5	1796.7	1798.5	1798.5	1775.7	1751.1	1752.9	1759.9	1772.2
20°	1861.6	1861.6	1845.8	1842.3	1854.6	1856.3	1828.3	1789.7	1780.9	1786.2	1800.2
22.5°	1921.2	1921.2	1908.9	1917.7	1945.7	1954.5	1912.4	1858.1	1837.0	1840.5	1854.6
25°	2014.1	2014.1	2010.6	2031.6	2071.9	2091.2	2035.1	1963.2	1928.2	1922.9	1938.7
27.5°	2170.1	2171.8	2166.6	2198.1	2249.0	2271.7	2194.6	2100.0	2057.9	2049.1	2064.9
30°	2371.7	2371.7	2373.4	2417.2	2483.8	2513.6	2412.0	2301.5	2252.5	2224.4	2245.4
32.5°	2596.0	2599.5	2617.1	2690.7	2808.1	2869.5	2720.5	2566.2	2487.3	2457.5	2480.3
35°	2965.9	2932.6	2911.5	2965.9	3135.9	3216.5	3025.5	2844.9	2785.3	2781.8	2839.7
37.5°	3332.2	3313.0	3269.1	3325.2	3477.7	3514.5	3304.2	3153.4	3111.4	3134.2	3192.0
40°	3623.2	3588.2	3530.3	3582.9	3782.7	3819.5	3560.1	3411.1	3395.3	3446.2	3525.1
42.5°	3852.8	3803.8	3726.6	3738.9	3900.2	3926.5	3696.8	3584.7	3595.2	3658.3	3747.7
45°	3956.3	3917.7	3849.3	3844.1	3945.7	3947.5	3767.0	3709.1	3737.2	3786.2	3856.3
47.5°	4000.1	3982.6	3944.0	3935.2	3993.1	3979.1	3866.9	3842.3	3868.6	3882.6	3923.0
50°	4108.8	4108.8	4114.0	4121.0	4180.6	4166.6	4087.7	4059.7	4026.4	3977.3	3989.6
52.5°	4413.8	4426.0	4476.9	4533.0	4641.6	4687.2	4559.3	4396.2	4236.7	4129.8	4129.8
55°	4964.2	4976.4	5036.0	5130.7	5330.5	5439.2	5141.2	4781.9	4562.8	4417.3	4436.6
57.5°	5267.4	5281.4	5404.1	5660.1	6047.5	6231.5	5591.7	5058.8	4752.1	4585.6	4599.6
58°	5248.1	5256.9	5395.4	5695.1	6126.3	6324.4	5623.3	5050.1	4727.5	4557.5	4575.0
60°	4662.7	4650.4	4871.3	5299.0	5907.2	6180.7	5309.5	4610.1	4235.0	4061.4	4070.2
62.5°	3048.3	3055.3	3246.3	3693.3	4166.6	4424.3	3709.1	3188.5	2887.0	2781.8	2755.5
65°	1272.6	1249.8	1367.3	1616.2	1900.1	2043.9	1756.4	1486.4	1300.6	1230.5	1249.8
67.5°	327.8	319.0	326.0	408.4	499.6	590.7	496.1	378.6	329.5	333.0	333.0
70°	185.8	175.3	142.0	131.5	128.0	128.0	128.0	128.0	147.2	173.5	178.8
72.5°	140.2	131.5	103.4	89.4	78.9	73.6	77.1	89.4	106.9	129.7	133.2
75°	70.1	70.1	63.1	59.6	52.6	49.1	50.8	56.1	64.9	73.6	71.9
77.5°	14.0	15.8	17.5	21.0	17.5	17.5	17.5	21.0	21.0	22.8	21.0
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)