

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: P636314

Luminaire Tested: GWS-SA3F-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636314
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13162.1 lumens
Efficiency: N/A
Efficacy: 71.8 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

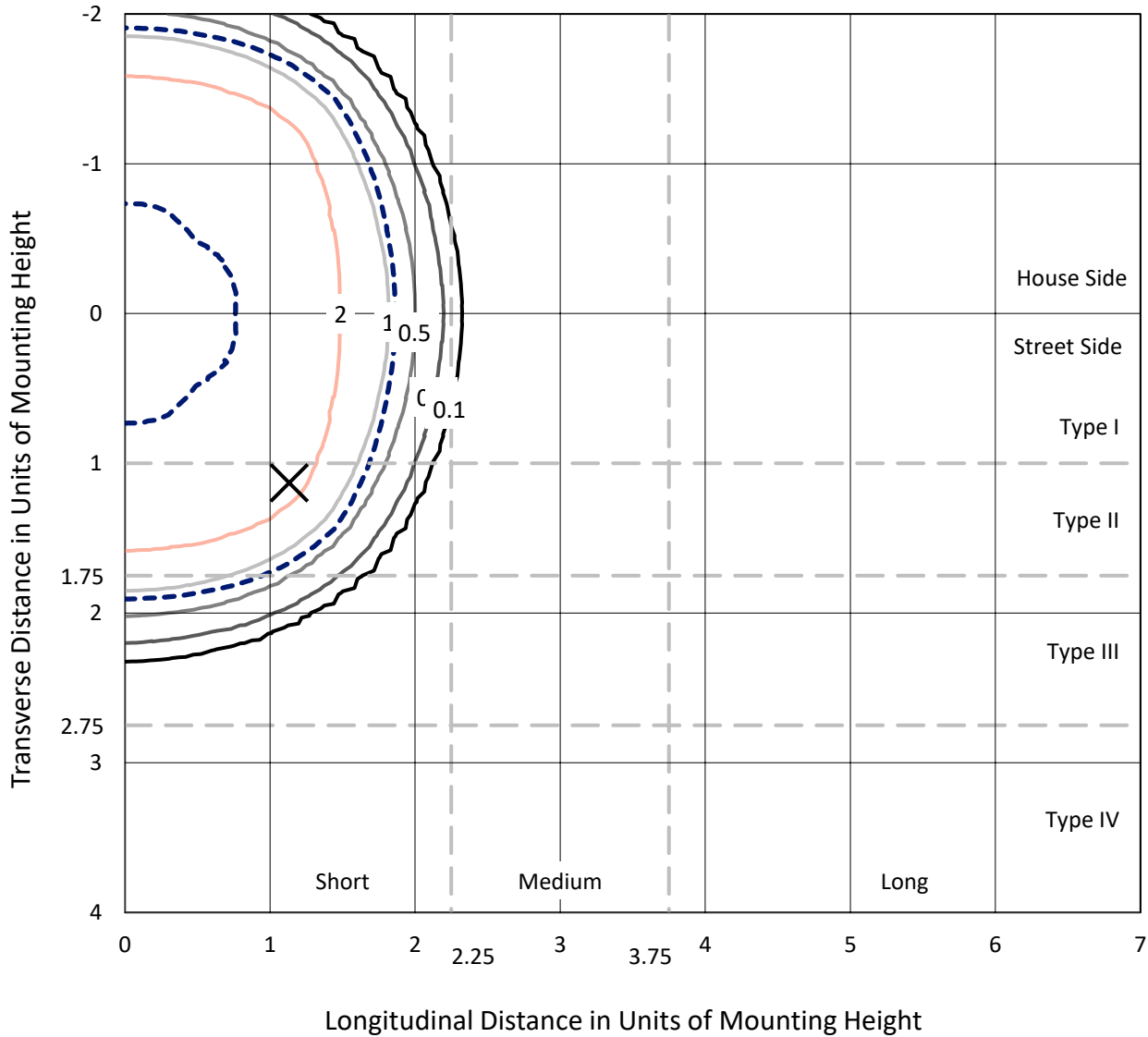
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

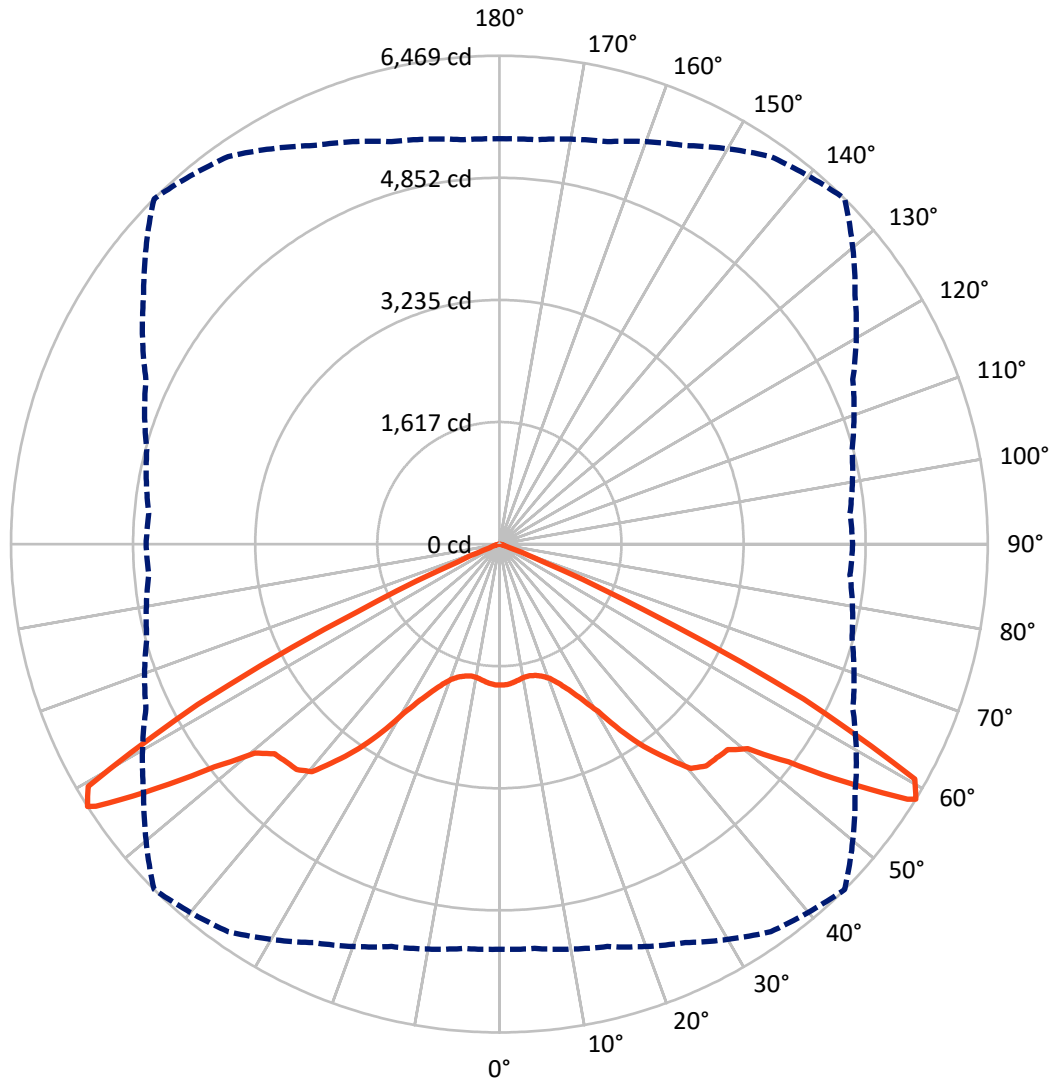
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 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	6581.0	0.0	6581.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6581.0	0.0	6581.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13162.1	0.0	13162.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	1.3
10°-20°	515.3	3.9
20°-30°	974.6	7.4
30°-40°	1922.1	14.6
40°-50°	3041.7	23.1
50°-60°	4471.1	34.0
60°-70°	1995.7	15.2
70°-80°	66.9	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°	13162.1	100.0
0°-180°	13162.1	100.0

Coefficient of Utilization



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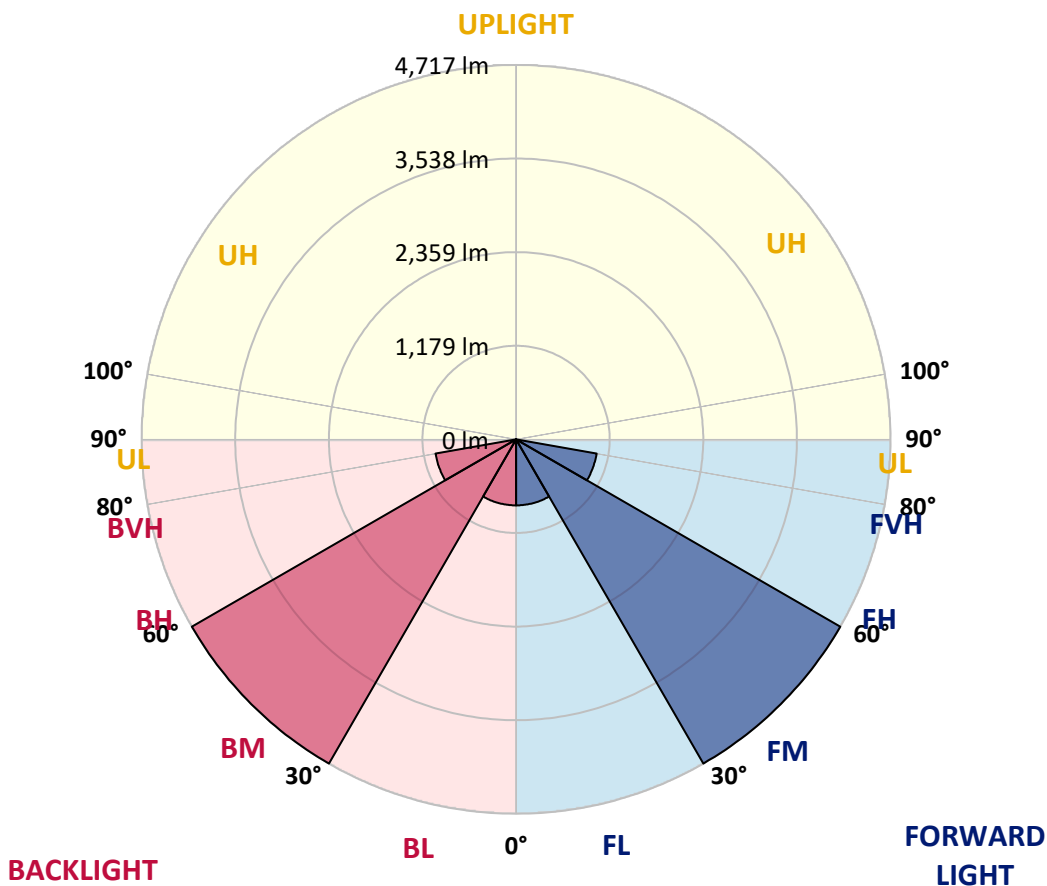
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	832.0	6.3			
FM (30°-60°)	4717.5	35.8			
FH (60°-80°)	1031.3	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	832.0	6.3	B2/1000		
BM (30°-60°)	4717.5	35.8	B3/5000		
BH (60°-80°)	1031.3	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°	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6	1866.6
2.5°	1848.6	1852.2	1855.8	1857.6	1859.4	1864.8	1866.6	1861.2	1861.2	1850.4	1863.0
5°	1839.7	1843.3	1846.8	1845.0	1845.0	1845.0	1843.3	1836.1	1834.3	1823.5	1836.1
7.5°	1823.5	1827.1	1827.1	1821.7	1818.1	1818.1	1816.4	1807.4	1805.6	1794.8	1807.4
10°	1811.0	1812.8	1811.0	1800.2	1793.0	1793.0	1791.3	1787.7	1789.5	1782.3	1793.0
12.5°	1818.1	1819.9	1812.8	1798.4	1789.5	1787.7	1782.3	1776.9	1782.3	1780.5	1791.3
15°	1841.5	1843.3	1830.7	1812.8	1805.6	1805.6	1791.3	1776.9	1784.1	1785.9	1798.4
17.5°	1870.1	1870.1	1854.0	1837.9	1839.7	1839.7	1816.4	1791.3	1793.0	1800.2	1812.8
20°	1904.2	1904.2	1888.1	1884.5	1897.0	1898.8	1870.1	1830.7	1821.7	1827.1	1841.5
22.5°	1965.2	1965.2	1952.6	1961.6	1990.3	1999.2	1956.2	1900.6	1879.1	1882.7	1897.0
25°	2060.2	2060.2	2056.6	2078.1	2119.4	2139.1	2081.7	2008.2	1972.4	1967.0	1983.1
27.5°	2219.8	2221.6	2216.2	2248.5	2300.5	2323.8	2244.9	2148.1	2105.0	2096.1	2112.2
30°	2426.0	2426.0	2427.8	2472.6	2540.7	2571.2	2467.2	2354.3	2304.1	2275.4	2296.9
32.5°	2655.5	2659.1	2677.0	2752.3	2872.5	2935.2	2782.8	2625.0	2544.3	2513.9	2537.2
35°	3033.8	2999.8	2978.2	3033.8	3207.8	3290.2	3094.8	2910.1	2849.2	2845.6	2904.7
37.5°	3408.6	3388.9	3344.0	3401.4	3557.4	3595.1	3379.9	3225.7	3182.7	3206.0	3265.1
40°	3706.2	3670.4	3611.2	3665.0	3869.4	3907.0	3641.7	3489.3	3473.1	3525.1	3605.8
42.5°	3941.1	3890.9	3812.0	3824.6	3989.5	4016.4	3781.5	3666.8	3677.5	3742.1	3833.5
45°	4046.9	4007.5	3937.5	3932.2	4036.1	4037.9	3853.3	3794.1	3822.8	3873.0	3944.7
47.5°	4091.7	4073.8	4034.4	4025.4	4084.6	4070.2	3955.5	3930.4	3957.3	3971.6	4012.8
50°	4202.9	4202.9	4208.3	4215.5	4276.4	4262.1	4181.4	4152.7	4118.6	4068.4	4081.0
52.5°	4514.9	4527.4	4579.4	4636.8	4748.0	4794.6	4663.7	4497.0	4333.8	4224.4	4224.4
55°	5077.9	5090.5	5151.4	5248.2	5452.7	5563.8	5259.0	4891.4	4667.3	4518.5	4538.2
57.5°	5388.1	5402.4	5528.0	5789.7	6186.0	6374.3	5719.8	5174.7	4860.9	4690.6	4705.0
58°	5368.4	5377.3	5519.0	5825.6	6266.7	6469.3	5752.1	5165.8	4835.8	4661.9	4679.9
60°	4769.5	4757.0	4982.9	5420.4	6042.6	6322.3	5431.1	4715.7	4332.0	4154.5	4163.5
62.5°	3118.1	3125.3	3320.7	3777.9	4262.1	4525.6	3794.1	3261.6	2953.1	2845.6	2818.7
65°	1301.8	1278.4	1398.6	1653.2	1943.7	2090.7	1796.6	1520.5	1330.4	1258.7	1278.4
67.5°	335.3	326.3	333.5	417.8	511.0	604.3	507.4	387.3	337.1	340.7	340.7
70°	190.1	179.3	145.2	134.5	130.9	130.9	130.9	130.9	150.6	177.5	182.9
72.5°	143.4	134.5	105.8	91.4	80.7	75.3	78.9	91.4	109.4	132.7	136.3
75°	71.7	71.7	64.5	61.0	53.8	50.2	52.0	57.4	66.3	75.3	73.5
77.5°	14.3	16.1	17.9	21.5	17.9	17.9	17.9	21.5	21.5	23.3	21.5
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)