

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: P636316

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25356 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

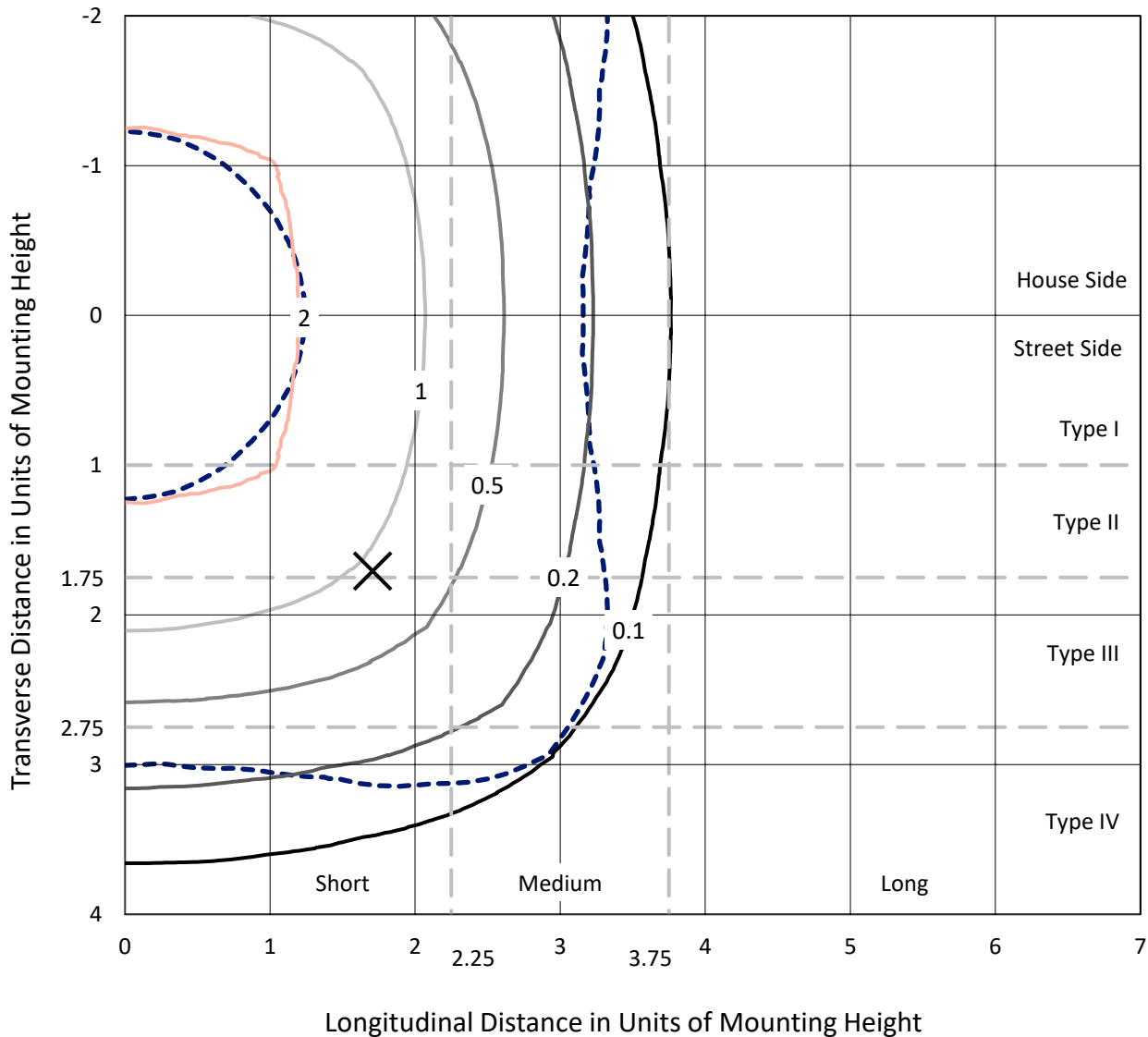
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

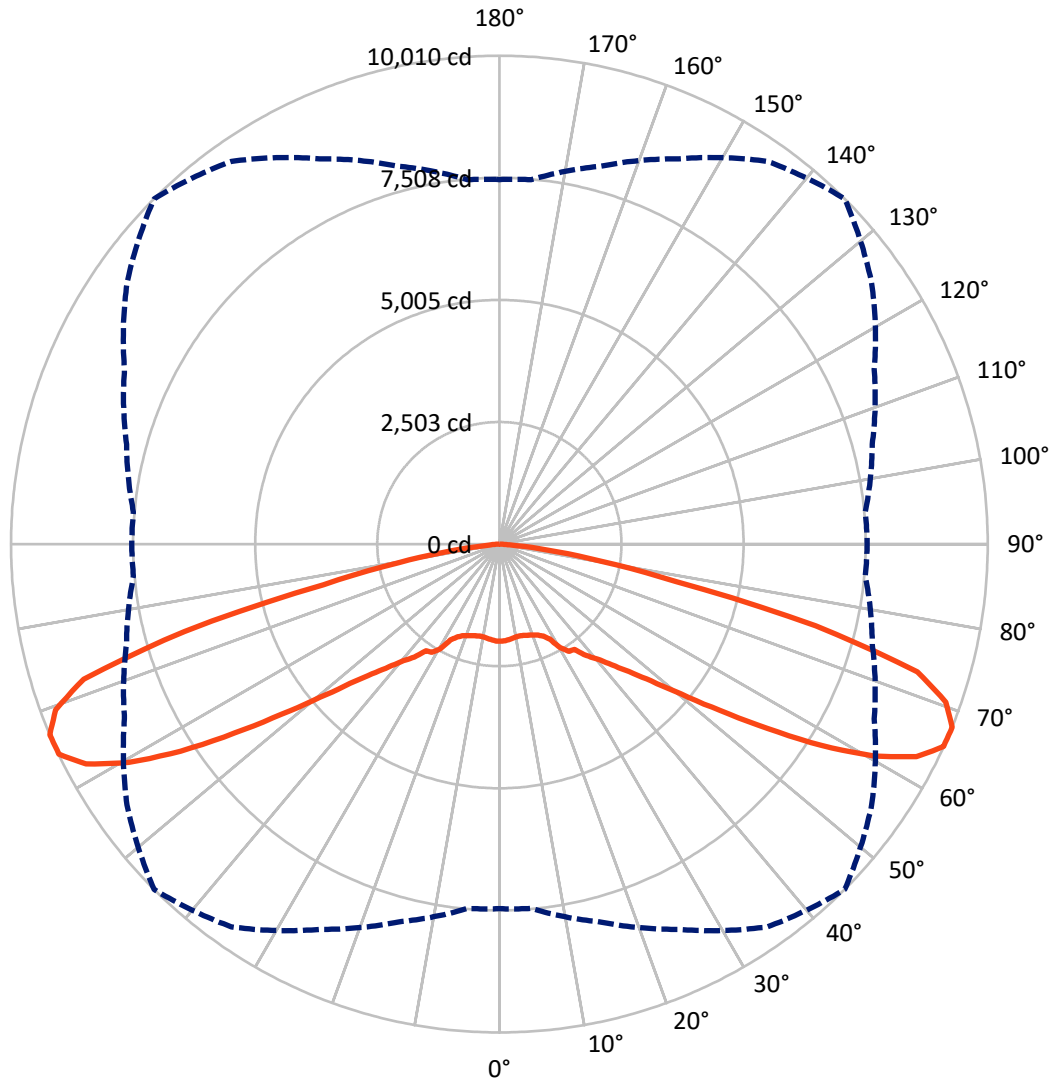
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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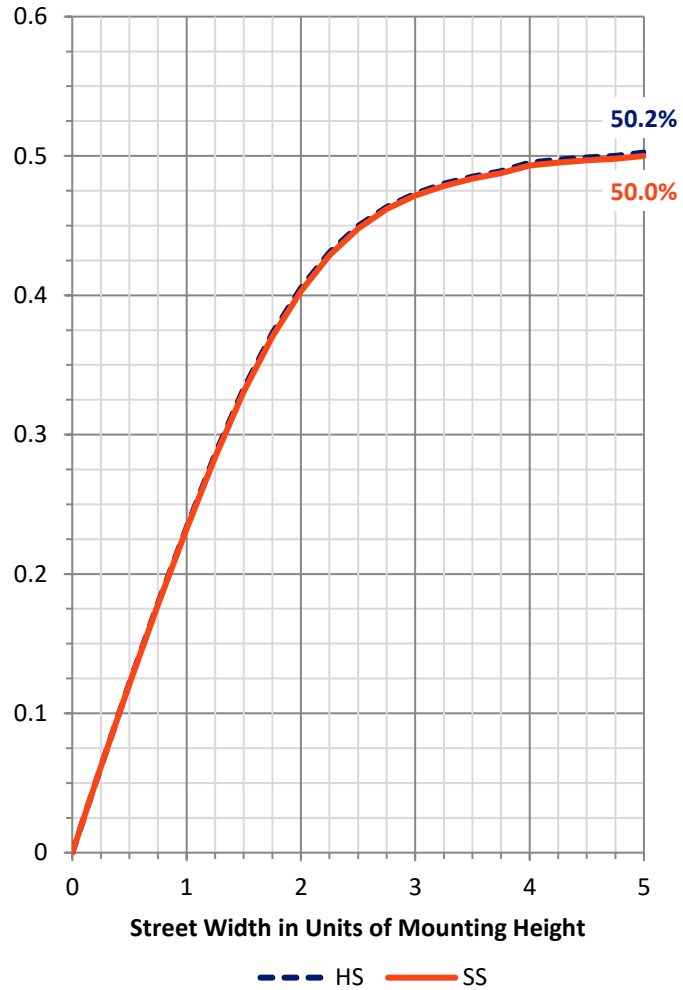
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12678.0	0.0	12678.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12678.0	0.0	12678.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25356.0	0.0	25356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	0.7
10°-20°	554.0	2.2
20°-30°	993.9	3.9
30°-40°	1678.9	6.6
40°-50°	2949.9	11.6
50°-60°	5690.4	22.4
60°-70°	8256.0	32.6
70°-80°	4723.7	18.6
80°-90°	322.4	1.3
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°	25356.0	100.0
0°-180°	25356.0	100.0

Coefficient of Utilization



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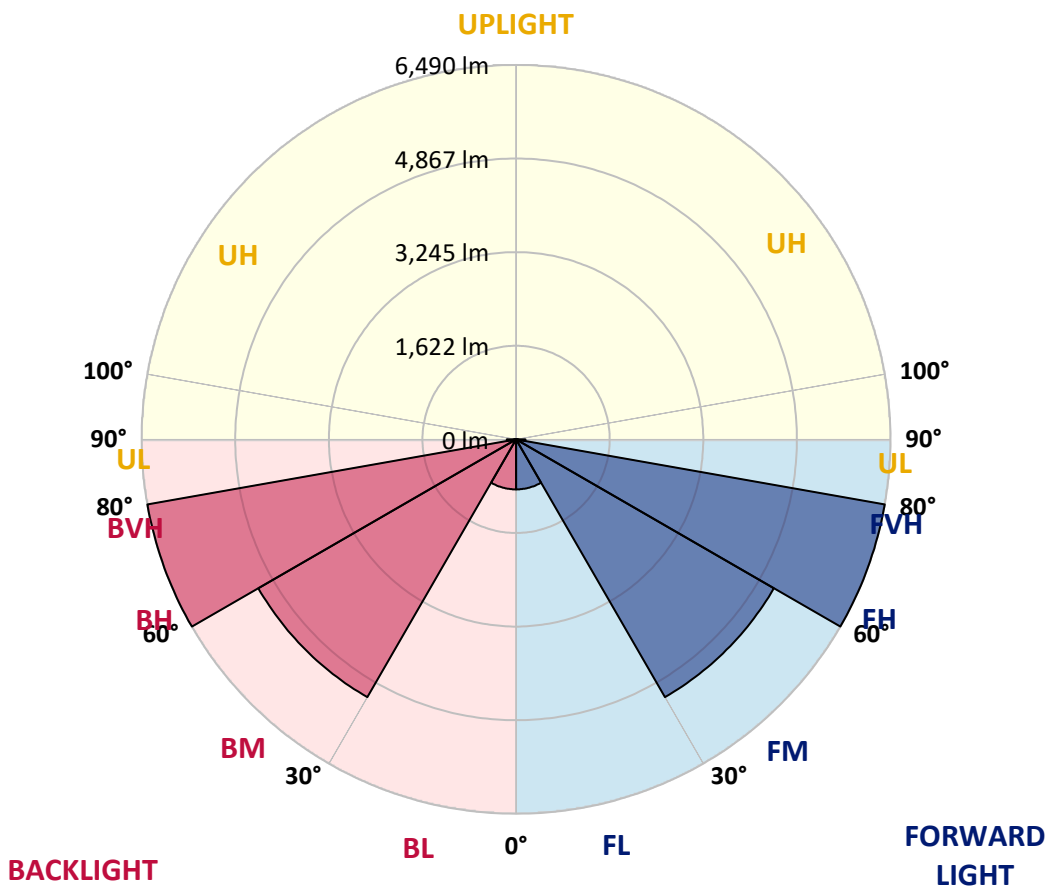
CATALOG NUMBER: GWS-SA3F-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	867.3	3.4			
FM (30°-60°)	5159.6	20.3			
FH (60°-80°)	6489.9	25.6			G3/7500
FVH (80°-90°)	161.2	0.6			G2/225
BL (0°-30°)	867.3	3.4	B2/1000		
BM (30°-60°)	5159.6	20.3	B4/8500		
BH (60°-80°)	6489.9	25.6	B5		G3/7500
BVH (80°-90°)	161.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4	1988.4
2.5°	1972.3	1974.1	1977.7	1977.7	1981.3	1986.6	1988.4	1984.8	1986.6	1977.7	1986.6
5°	1966.9	1968.7	1970.5	1966.9	1966.9	1968.7	1968.7	1965.1	1966.9	1957.9	1966.9
7.5°	1954.4	1956.2	1956.2	1950.8	1945.4	1949.0	1949.0	1945.4	1947.2	1938.2	1949.0
10°	1943.6	1943.6	1941.8	1931.1	1925.7	1931.1	1932.8	1934.6	1941.8	1934.6	1947.2
12.5°	1950.8	1950.8	1945.4	1931.1	1922.1	1925.7	1929.3	1932.8	1945.4	1943.6	1957.9
15°	1970.5	1972.3	1957.9	1941.8	1936.4	1941.8	1938.2	1936.4	1952.6	1957.9	1974.1
17.5°	1986.6	1986.6	1968.7	1952.6	1954.4	1963.3	1956.2	1947.2	1963.3	1974.1	1992.0
20°	2001.0	1999.2	1979.5	1968.7	1975.9	1988.4	1983.0	1970.5	1981.3	1993.8	2009.9
22.5°	2036.8	2035.0	2013.5	2008.2	2015.3	2027.9	2022.5	2011.7	2024.3	2042.2	2061.9
25°	2139.0	2135.5	2103.2	2085.2	2081.7	2090.6	2088.8	2085.2	2105.0	2126.5	2149.8
27.5°	2275.3	2273.5	2250.2	2232.3	2209.0	2201.8	2207.2	2223.3	2252.0	2268.1	2287.9
30°	2343.4	2343.4	2339.9	2368.5	2418.7	2467.2	2429.5	2368.5	2343.4	2336.3	2356.0
32.5°	2433.1	2442.1	2429.5	2461.8	2546.0	2617.8	2546.0	2447.4	2429.5	2429.5	2451.0
35°	2639.3	2642.9	2623.1	2617.8	2644.7	2653.6	2619.6	2583.7	2603.4	2607.0	2633.9
37.5°	2804.2	2804.2	2795.3	2809.6	2865.2	2899.3	2843.7	2779.1	2784.5	2788.1	2822.2
40°	3058.8	3066.0	3044.5	3042.7	3064.2	3094.7	3035.5	2994.3	3023.0	3031.9	3083.9
42.5°	3376.2	3376.2	3343.9	3335.0	3349.3	3381.6	3326.0	3299.1	3336.8	3343.9	3374.4
45°	3754.5	3763.5	3720.5	3704.3	3711.5	3722.3	3682.8	3670.3	3706.1	3722.3	3776.0
47.5°	4215.3	4224.3	4186.6	4184.8	4177.7	4184.8	4147.2	4140.0	4168.7	4156.2	4213.5
50°	4783.7	4799.8	4767.6	4812.4	4807.0	4828.5	4776.5	4738.9	4738.9	4704.8	4737.1
52.5°	5420.2	5452.5	5468.6	5543.9	5601.3	5655.1	5569.0	5509.9	5423.8	5353.9	5441.7
55°	6114.1	6105.1	6207.3	6372.3	6540.8	6668.1	6499.6	6313.1	6173.3	6028.0	6062.1
57.5°	6721.9	6752.4	6886.9	7188.1	7521.6	7790.5	7487.5	7128.9	6811.6	6603.6	6632.3
60°	7227.6	7252.7	7432.0	7865.9	8448.6	8819.7	8339.2	7747.5	7286.7	6999.8	7030.3
62.5°	7693.7	7717.0	7898.1	8376.9	9112.0	9596.1	8975.7	8167.1	7654.3	7365.6	7383.5
65°	7962.7	7977.0	8224.5	8728.3	9502.9	10003.1	9303.8	8470.1	7966.3	7672.2	7683.0
67.5°	7473.2	7496.5	8018.3	8713.9	9578.2	10010.3	9318.2	8479.1	7912.5	7528.8	7537.7
70°	5895.4	5875.6	6497.8	7693.7	9146.1	9709.1	8904.0	7842.5	6967.6	6431.5	6422.5
72.5°	4495.0	4500.4	4846.5	5665.9	7457.1	8959.6	7856.9	6314.9	5371.8	4964.8	4948.7
75°	3259.7	3309.9	3591.4	4192.0	5215.8	6696.8	5915.1	4679.7	4048.6	3804.7	3768.9
77.5°	1468.5	1533.0	1925.7	2632.1	3487.4	3700.7	3715.1	3177.2	2397.2	1992.0	1929.3
80°	428.5	459.0	589.9	1009.5	1624.5	2099.6	1667.5	1402.1	873.2	684.9	652.6
82.5°	181.1	206.2	252.8	279.7	471.6	973.6	606.0	385.5	358.6	290.5	265.4
85°	77.1	82.5	105.8	113.0	152.4	208.0	191.9	173.9	166.7	129.1	118.3
87.5°	32.3	32.3	32.3	28.7	26.9	28.7	39.4	50.2	66.3	52.0	48.4
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)