

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: P636261

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636261
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-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24788 lumens
Efficiency: N/A
Efficacy: 135.3 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

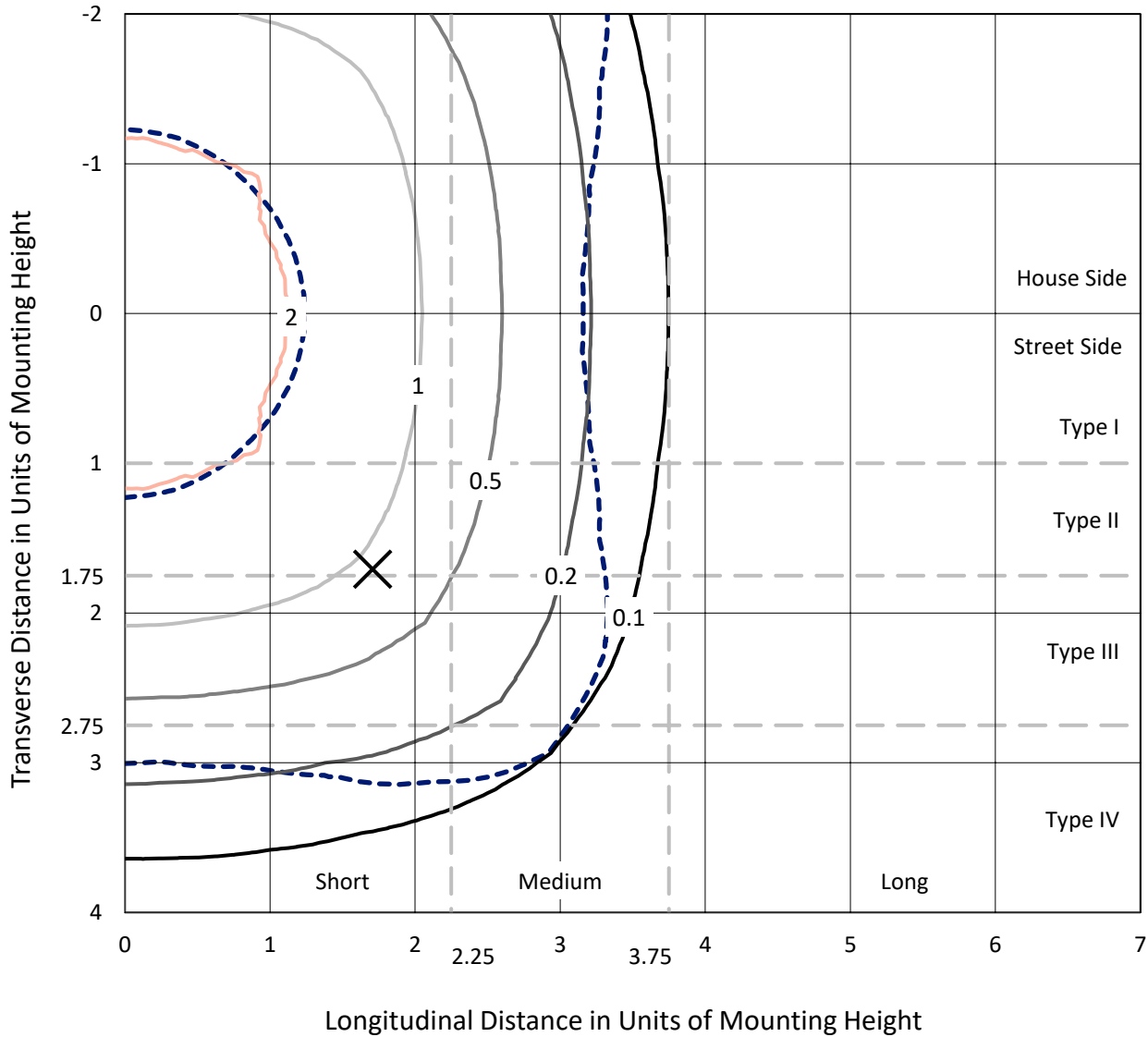
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

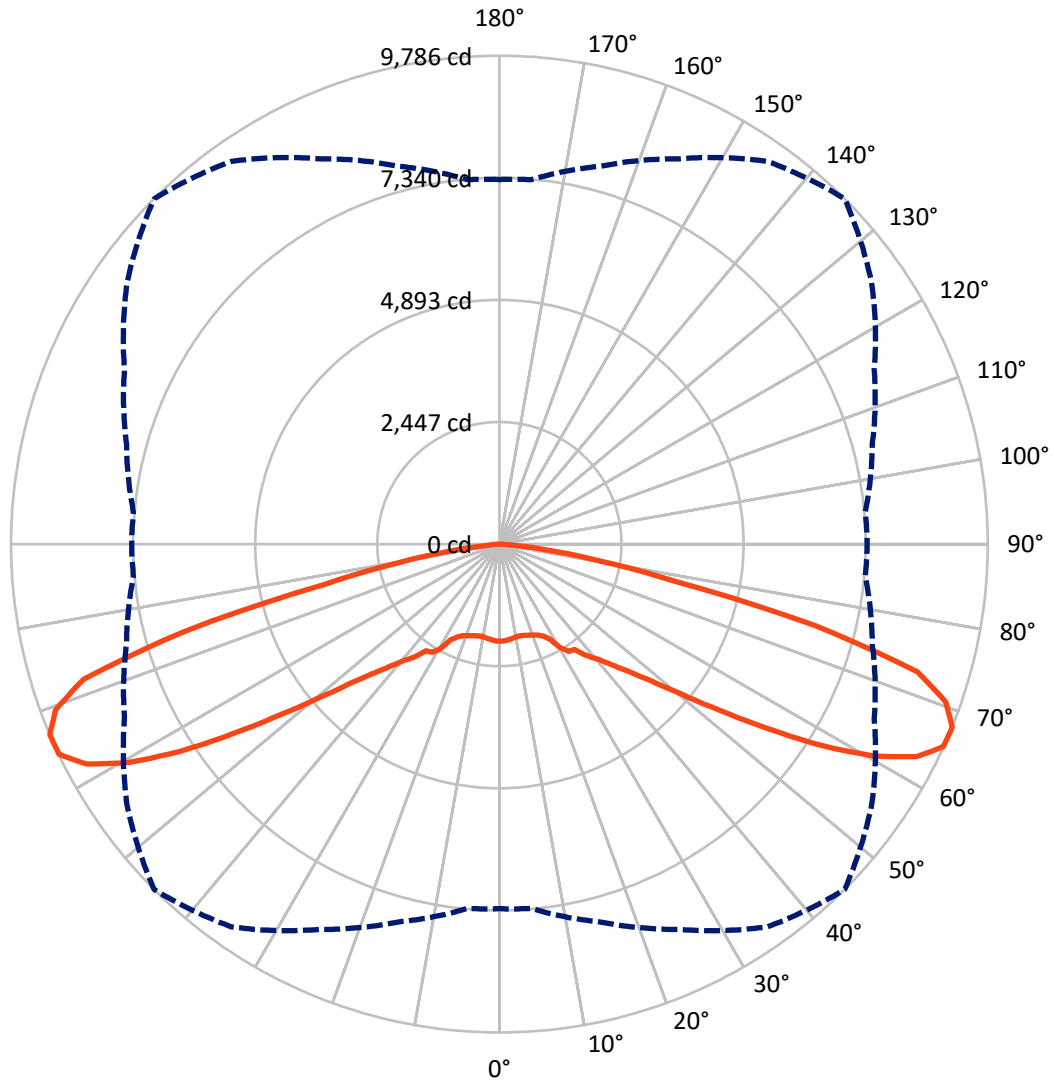
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	12394.0	0.0	12394.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12394.0	0.0	12394.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24788.0	0.0	24788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	0.7
10°-20°	541.6	2.2
20°-30°	971.6	3.9
30°-40°	1641.3	6.6
40°-50°	2883.8	11.6
50°-60°	5562.9	22.4
60°-70°	8071.1	32.6
70°-80°	4617.9	18.6
80°-90°	315.2	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°	24788.0	100.0
0°-180°	24788.0	100.0

Coefficient of Utilization



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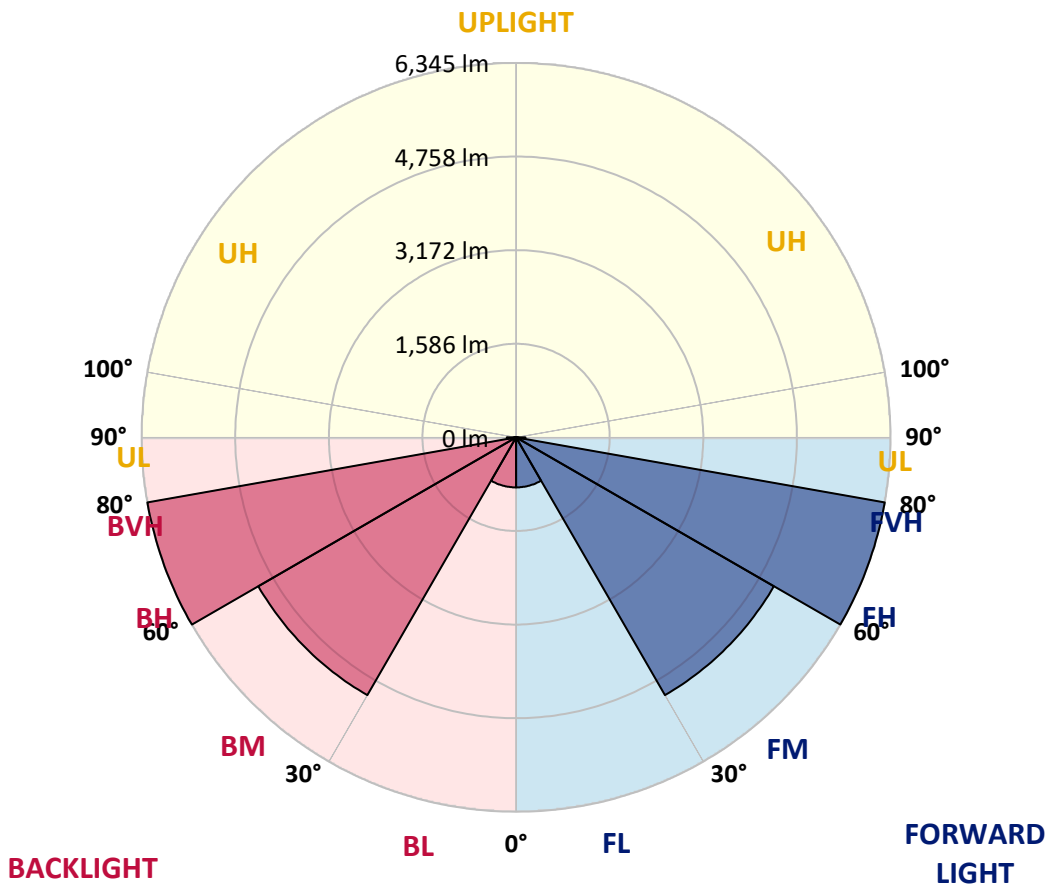
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.9	3.4			
FM (30°-60°)	5044.0	20.3			
FH (60°-80°)	6344.5	25.6			G3/7500
FVH (80°-90°)	157.6	0.6			G2/225
BL (0°-30°)	847.9	3.4	B2/1000		
BM (30°-60°)	5044.0	20.3	B4/8500		
BH (60°-80°)	6344.5	25.6	B5		G3/7500
BVH (80°-90°)	157.6	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°	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9	1943.9
2.5°	1928.1	1929.9	1933.4	1933.4	1936.9	1942.1	1943.9	1940.4	1942.1	1933.4	1942.1
5°	1922.9	1924.6	1926.4	1922.9	1922.9	1924.6	1924.6	1921.1	1922.9	1914.1	1922.9
7.5°	1910.6	1912.3	1912.3	1907.1	1901.8	1905.3	1905.3	1901.8	1903.6	1894.8	1905.3
10°	1900.1	1900.1	1898.3	1887.8	1882.5	1887.8	1889.5	1891.3	1898.3	1891.3	1903.6
12.5°	1907.1	1907.1	1901.8	1887.8	1879.0	1882.5	1886.0	1889.5	1901.8	1900.1	1914.1
15°	1926.4	1928.1	1914.1	1898.3	1893.1	1898.3	1894.8	1893.1	1908.8	1914.1	1929.9
17.5°	1942.1	1942.1	1924.6	1908.8	1910.6	1919.3	1912.3	1903.6	1919.3	1929.9	1947.4
20°	1956.2	1954.4	1935.1	1924.6	1931.6	1943.9	1938.6	1926.4	1936.9	1949.1	1964.9
22.5°	1991.2	1989.5	1968.4	1963.2	1970.2	1982.4	1977.2	1966.7	1978.9	1996.5	2015.8
25°	2091.1	2087.6	2056.1	2038.5	2035.0	2043.8	2042.0	2038.5	2057.8	2078.9	2101.6
27.5°	2224.3	2222.6	2199.8	2182.3	2159.5	2152.5	2157.7	2173.5	2201.6	2217.3	2236.6
30°	2290.9	2290.9	2287.4	2315.5	2364.6	2411.9	2375.1	2315.5	2290.9	2283.9	2303.2
32.5°	2378.6	2387.4	2375.1	2406.6	2489.0	2559.1	2489.0	2392.6	2375.1	2375.1	2396.1
35°	2580.2	2583.7	2564.4	2559.1	2585.4	2594.2	2560.9	2525.8	2545.1	2548.6	2574.9
37.5°	2741.4	2741.4	2732.7	2746.7	2801.0	2834.3	2780.0	2716.9	2722.1	2725.6	2758.9
40°	2990.3	2997.3	2976.3	2974.5	2995.6	3025.4	2967.5	2927.2	2955.3	2964.0	3014.9
42.5°	3300.6	3300.6	3269.0	3260.3	3274.3	3305.8	3251.5	3225.2	3262.0	3269.0	3298.8
45°	3670.4	3679.2	3637.1	3621.3	3628.4	3638.9	3600.3	3588.0	3623.1	3638.9	3691.5
47.5°	4120.9	4129.7	4092.9	4091.1	4084.1	4091.1	4054.3	4047.3	4075.3	4063.1	4119.1
50°	4676.5	4692.3	4660.8	4704.6	4699.3	4720.4	4669.5	4632.7	4632.7	4599.4	4631.0
52.5°	5298.8	5330.3	5346.1	5419.7	5475.8	5528.4	5444.3	5386.4	5302.3	5233.9	5319.8
55°	5977.1	5968.4	6068.3	6229.5	6394.3	6518.8	6354.0	6171.7	6035.0	5893.0	5926.3
57.5°	6571.3	6601.1	6732.6	7027.1	7353.1	7616.0	7319.8	6969.2	6659.0	6455.7	6483.7
60°	7065.6	7090.2	7265.5	7689.7	8259.3	8622.2	8152.4	7574.0	7123.5	6843.0	6872.8
62.5°	7521.4	7544.2	7721.2	8189.2	8907.9	9381.1	8774.7	7984.1	7482.8	7200.6	7218.1
65°	7784.3	7798.3	8040.2	8532.8	9290.0	9779.0	9095.4	8280.4	7787.8	7500.3	7510.9
67.5°	7305.8	7328.6	7838.6	8518.7	9363.6	9786.0	9109.4	8289.1	7735.2	7360.1	7368.9
70°	5763.3	5744.0	6352.2	7521.4	8941.2	9491.6	8704.5	7666.9	6811.5	6287.4	6278.6
72.5°	4394.3	4399.6	4737.9	5538.9	7290.0	8758.9	7680.9	6173.5	5251.5	4853.6	4837.8
75°	3186.6	3235.7	3510.9	4098.1	5099.0	6546.8	5782.6	4574.9	3957.9	3719.5	3684.4
77.5°	1435.6	1498.7	1882.5	2573.2	3409.2	3617.8	3631.9	3106.0	2343.5	1947.4	1886.0
80°	418.9	448.7	576.7	986.8	1588.1	2052.6	1630.1	1370.7	853.6	669.6	638.0
82.5°	177.0	201.6	247.1	273.4	461.0	951.8	592.5	376.9	350.6	284.0	259.4
85°	75.4	80.6	103.4	110.4	149.0	203.3	187.6	170.0	163.0	126.2	115.7
87.5°	31.6	31.6	31.6	28.0	26.3	28.0	38.6	49.1	64.9	50.8	47.3
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)