

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: P635821

Luminaire Tested: GWS-SA3E-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635821
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-SA3E-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: 22805.9 lumens
Efficiency: N/A
Efficacy: 143.3 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

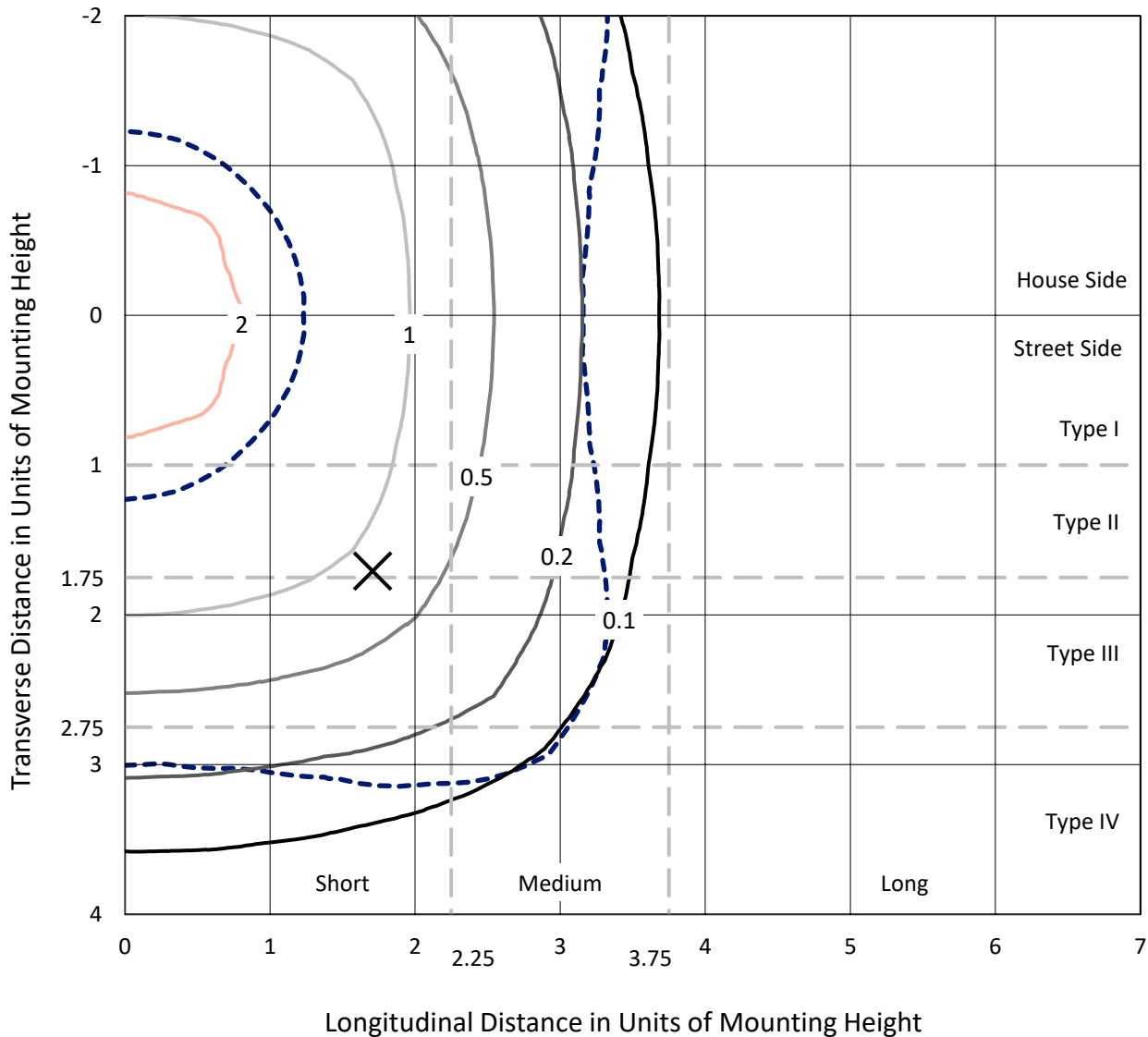
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

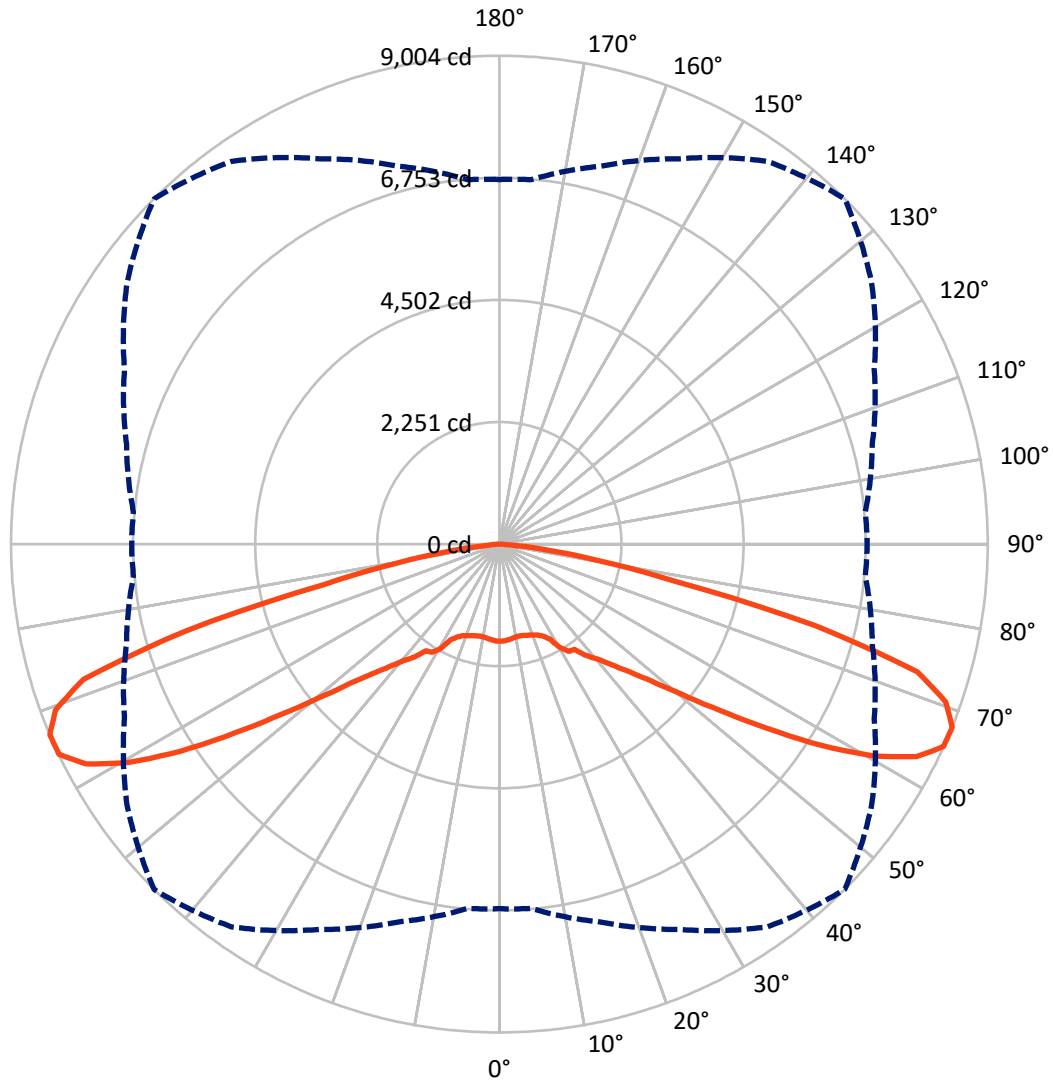
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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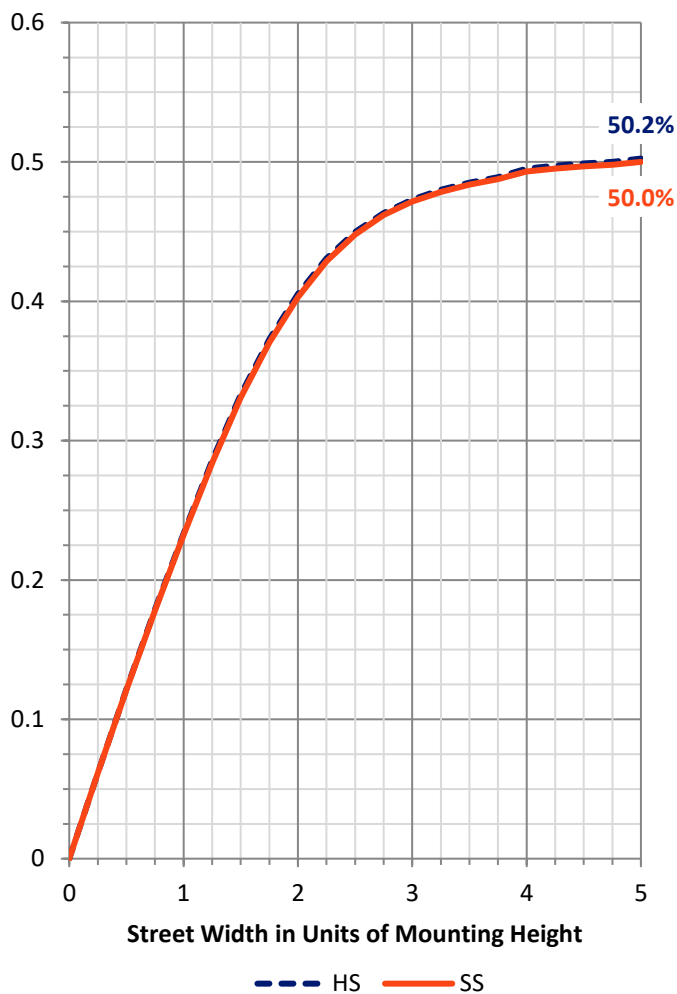
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11403.0	0.0	11403.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11403.0	0.0	11403.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22805.9	0.0	22805.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	0.7
10°-20°	498.3	2.2
20°-30°	893.9	3.9
30°-40°	1510.1	6.6
40°-50°	2653.2	11.6
50°-60°	5118.1	22.4
60°-70°	7425.7	32.6
70°-80°	4248.7	18.6
80°-90°	290.0	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°	22805.9	100.0
0°-180°	22805.9	100.0

Coefficient of Utilization



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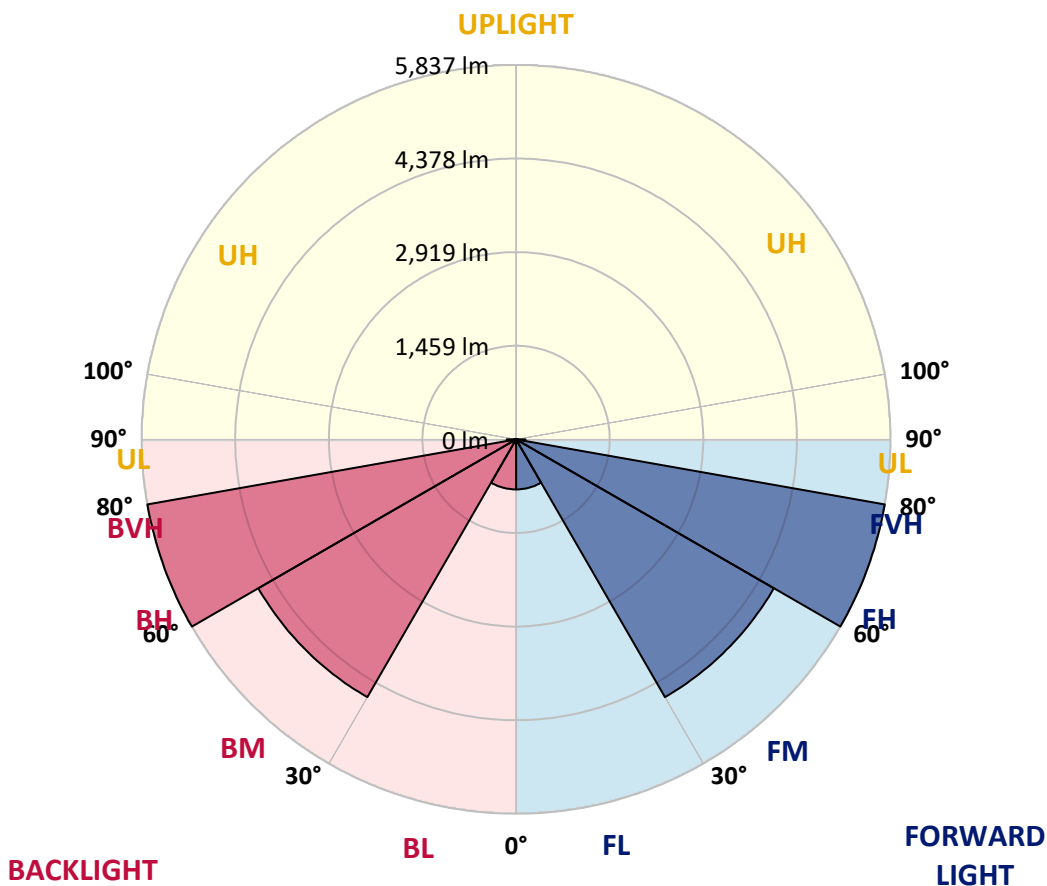
CATALOG NUMBER: GWS-SA3E-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	780.1	3.4			
FM (30°-60°)	4640.7	20.3			
FH (60°-80°)	5837.2	25.6			G3/7500
FVH (80°-90°)	145.0	0.6			G2/225
BL (0°-30°)	780.1	3.4	B2/1000		
BM (30°-60°)	4640.7	20.3	B3/5000		
BH (60°-80°)	5837.2	25.6	B5		G3/7500
BVH (80°-90°)	145.0	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°	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4	1788.4
2.5°	1773.9	1775.5	1778.8	1778.8	1782.0	1786.8	1788.4	1785.2	1786.8	1778.8	1786.8
5°	1769.1	1770.7	1772.3	1769.1	1769.1	1770.7	1770.7	1767.5	1769.1	1761.0	1769.1
7.5°	1757.8	1759.4	1759.4	1754.6	1749.7	1753.0	1753.0	1749.7	1751.4	1743.3	1753.0
10°	1748.1	1748.1	1746.5	1736.8	1732.0	1736.8	1738.5	1740.1	1746.5	1740.1	1751.4
12.5°	1754.6	1754.6	1749.7	1736.8	1728.8	1732.0	1735.2	1738.5	1749.7	1748.1	1761.0
15°	1772.3	1773.9	1761.0	1746.5	1741.7	1746.5	1743.3	1741.7	1756.2	1761.0	1775.5
17.5°	1786.8	1786.8	1770.7	1756.2	1757.8	1765.9	1759.4	1751.4	1765.9	1775.5	1791.7
20°	1799.7	1798.1	1780.4	1770.7	1777.2	1788.4	1783.6	1772.3	1782.0	1793.3	1807.8
22.5°	1832.0	1830.4	1811.0	1806.2	1812.6	1823.9	1819.1	1809.4	1820.7	1836.8	1854.6
25°	1923.9	1920.7	1891.7	1875.5	1872.3	1880.4	1878.8	1875.5	1893.3	1912.6	1933.6
27.5°	2046.5	2044.9	2023.9	2007.8	1986.8	1980.4	1985.2	1999.7	2025.5	2040.0	2057.8
30°	2107.8	2107.8	2104.5	2130.3	2175.5	2219.0	2185.2	2130.3	2107.8	2101.3	2119.0
32.5°	2188.4	2196.5	2185.2	2214.2	2290.0	2354.5	2290.0	2201.3	2185.2	2185.2	2204.5
35°	2373.8	2377.1	2359.3	2354.5	2378.7	2386.7	2356.1	2323.9	2341.6	2344.8	2369.0
37.5°	2522.2	2522.2	2514.1	2527.0	2577.0	2607.7	2557.7	2499.6	2504.5	2507.7	2538.3
40°	2751.2	2757.7	2738.3	2736.7	2756.0	2783.5	2730.2	2693.2	2719.0	2727.0	2773.8
42.5°	3036.7	3036.7	3007.6	2999.6	3012.5	3041.5	2991.5	2967.3	3001.2	3007.6	3035.0
45°	3376.9	3385.0	3346.3	3331.8	3338.2	3347.9	3312.4	3301.1	3333.4	3347.9	3396.3
47.5°	3791.4	3799.4	3765.6	3764.0	3757.5	3764.0	3730.1	3723.6	3749.5	3738.2	3789.8
50°	4302.6	4317.1	4288.1	4328.4	4323.6	4342.9	4296.1	4262.3	4262.3	4231.6	4260.7
52.5°	4875.1	4904.1	4918.6	4986.4	5038.0	5086.4	5008.9	4955.7	4878.3	4815.4	4894.4
55°	5499.2	5491.1	5583.1	5731.4	5883.0	5997.5	5845.9	5678.2	5552.4	5421.8	5452.4
57.5°	6045.9	6073.3	6194.3	6465.2	6765.1	7007.0	6734.5	6412.0	6126.5	5939.5	5965.3
60°	6500.7	6523.2	6684.5	7074.8	7598.9	7932.7	7500.5	6968.3	6553.9	6295.9	6323.3
62.5°	6920.0	6940.9	7103.8	7534.4	8195.6	8631.0	8073.0	7345.7	6884.5	6624.8	6641.0
65°	7161.9	7174.8	7397.3	7850.5	8547.1	8997.1	8368.1	7618.2	7165.1	6900.6	6910.3
67.5°	6721.6	6742.6	7211.8	7837.6	8614.9	9003.5	8381.0	7626.3	7116.7	6771.6	6779.7
70°	5302.5	5284.7	5844.3	6920.0	8226.2	8732.6	8008.5	7053.8	6266.8	5784.6	5776.6
72.5°	4043.0	4047.8	4359.0	5096.0	6707.1	8058.5	7066.7	5679.8	4831.6	4465.5	4451.0
75°	2931.8	2977.0	3230.2	3770.4	4691.2	6023.3	5320.2	4209.1	3641.4	3422.1	3389.8
77.5°	1320.8	1378.8	1732.0	2367.4	3136.6	3328.5	3341.4	2857.6	2156.1	1791.7	1735.2
80°	385.4	412.8	530.6	907.9	1461.1	1888.4	1499.8	1261.1	785.4	616.0	587.0
82.5°	162.9	185.5	227.4	251.6	424.1	875.7	545.1	346.7	322.5	261.3	238.7
85°	69.3	74.2	95.1	101.6	137.1	187.1	172.6	156.4	150.0	116.1	106.4
87.5°	29.0	29.0	29.0	25.8	24.2	25.8	35.5	45.2	59.7	46.8	43.5
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)