

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: P643300

Luminaire Tested: GWS-SA6E-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38142.1 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

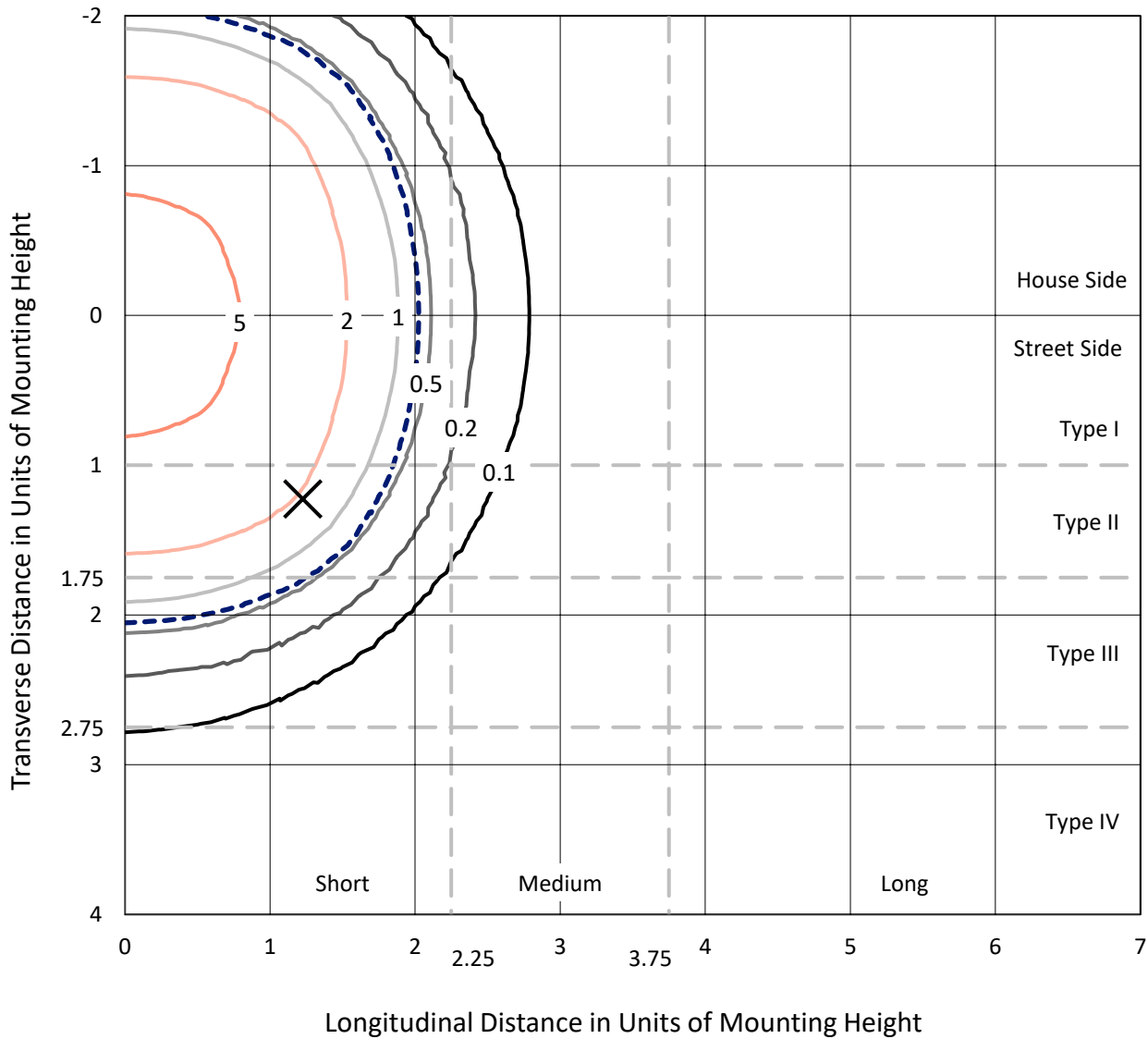
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

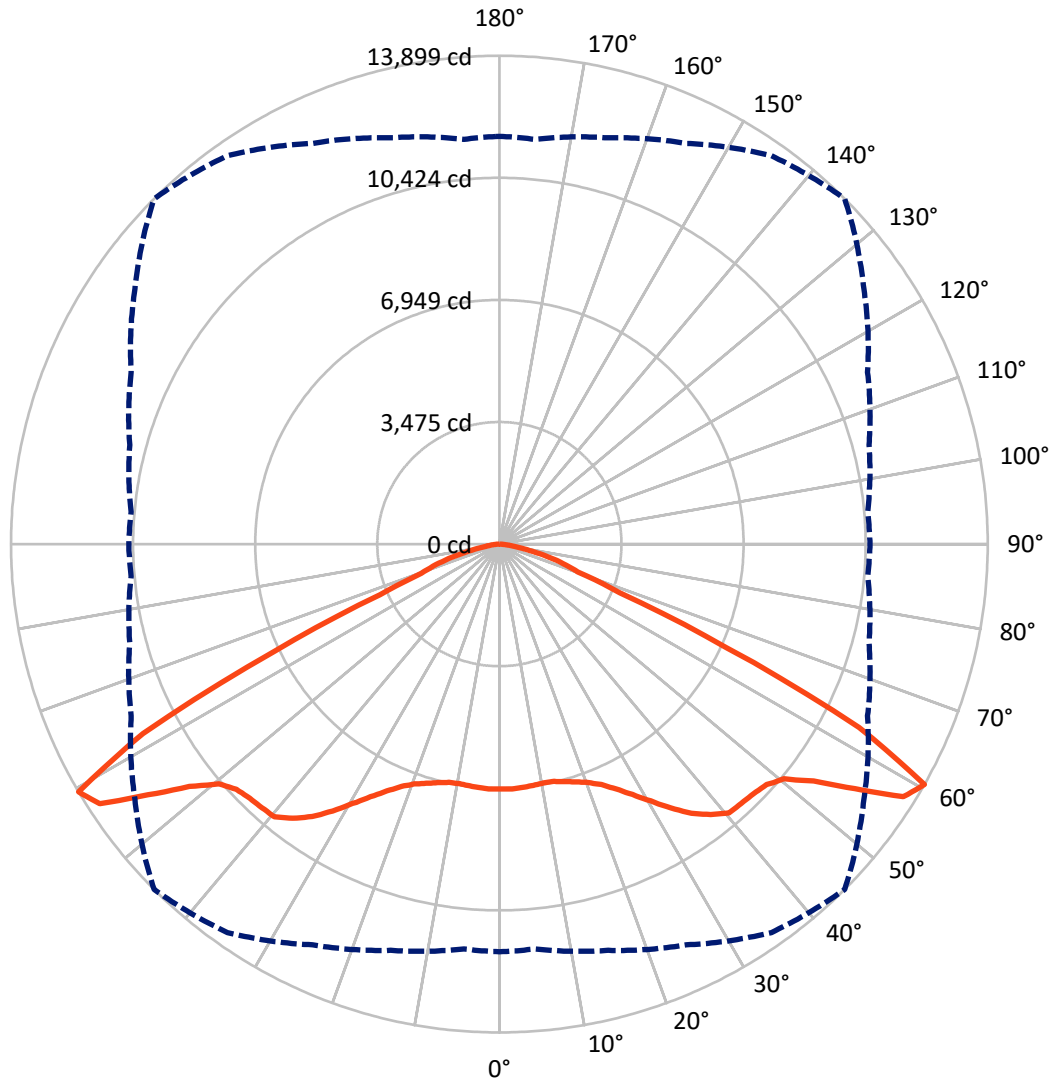
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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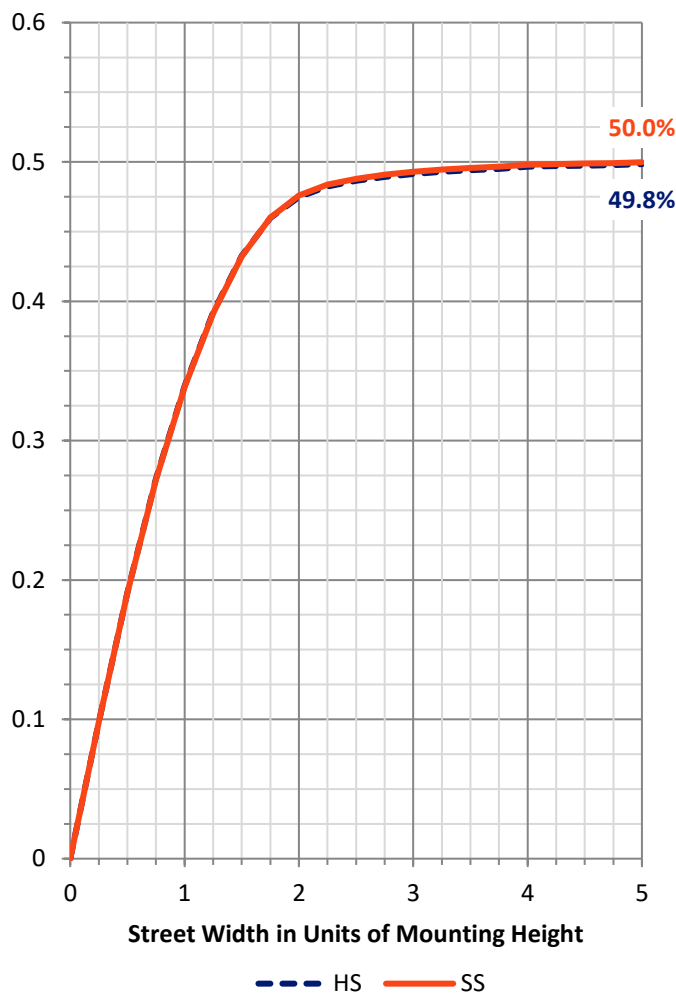
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19071.0	0.0	19071.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19071.0	0.0	19071.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38142.1	0.0	38142.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.0	1.7
10°-20°	1988.3	5.2
20°-30°	3517.7	9.2
30°-40°	5663.5	14.8
40°-50°	7784.4	20.4
50°-60°	10373.5	27.2
60°-70°	6465.2	17.0
70°-80°	1486.7	3.9
80°-90°	201.7	0.5
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°	38142.1	100.0
0°-180°	38142.1	100.0

Coefficient of Utilization



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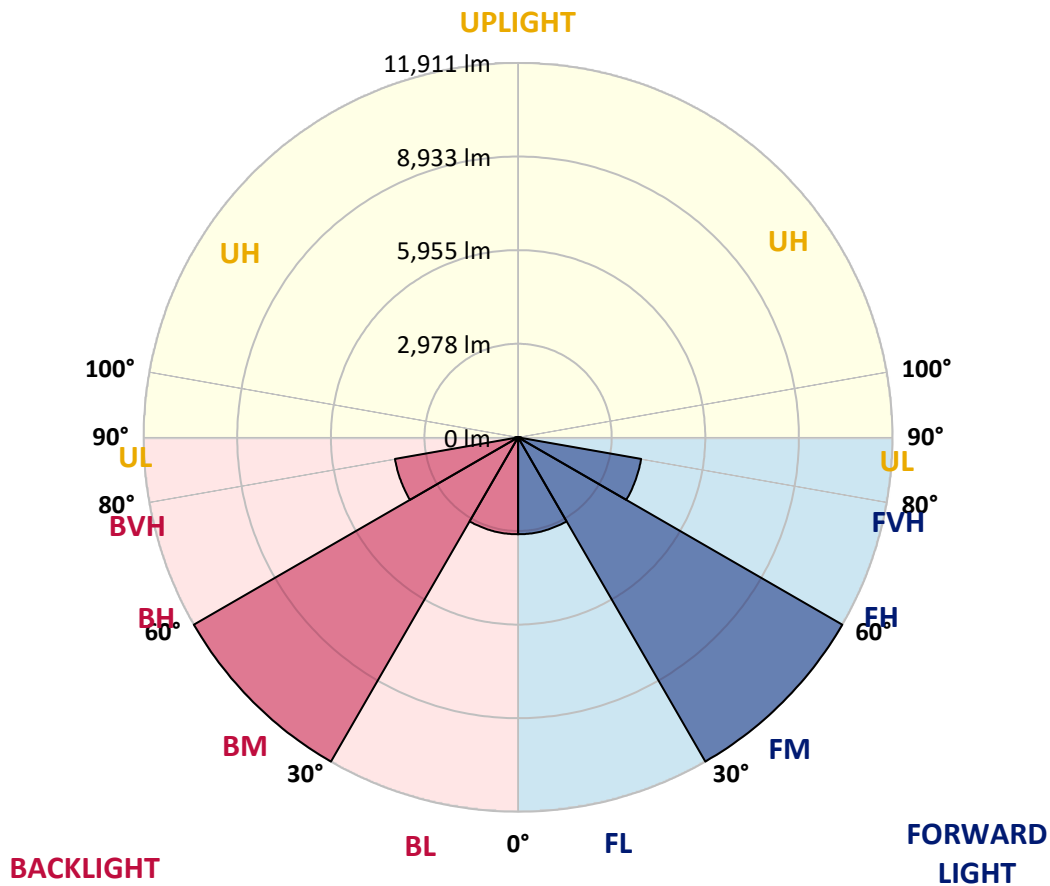
CATALOG NUMBER: GWS-SA6E-760-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3083.5	8.1			
FM (30°-60°)	11910.7	31.2			
FH (60°-80°)	3976.0	10.4			G2/5000
FVH (80°-90°)	100.9	0.3			G2/225
BL (0°-30°)	3083.5	8.1	B4/5000		
BM (30°-60°)	11910.7	31.2	B5		
BH (60°-80°)	3976.0	10.4	B4/5000		G2/5000
BVH (80°-90°)	100.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4	6970.4
2.5°	6921.9	6928.3	6941.3	6951.0	6963.9	6976.9	6983.4	6970.4	6963.9	6938.0	6967.2
5°	6928.3	6934.8	6944.5	6944.5	6947.8	6957.5	6957.5	6941.3	6925.1	6896.0	6928.3
7.5°	6918.6	6925.1	6928.3	6925.1	6928.3	6931.6	6925.1	6905.7	6889.5	6863.6	6889.5
10°	6902.4	6908.9	6915.4	6908.9	6902.4	6912.1	6912.1	6899.2	6889.5	6863.6	6892.7
12.5°	6938.0	6947.8	6951.0	6934.8	6928.3	6931.6	6931.6	6918.6	6918.6	6896.0	6928.3
15°	7022.2	7028.7	7019.0	6999.6	7002.8	7012.5	6989.8	6957.5	6951.0	6941.3	6967.2
17.5°	7087.0	7093.4	7083.7	7070.8	7093.4	7116.1	7074.0	7012.5	6993.1	6986.6	7015.7
20°	7158.2	7167.9	7155.0	7171.1	7216.5	7242.4	7190.6	7106.4	7067.5	7057.8	7093.4
22.5°	7274.7	7287.7	7287.7	7323.3	7391.3	7433.4	7368.6	7255.3	7197.0	7180.9	7216.5
25°	7459.3	7469.0	7478.7	7549.9	7660.0	7718.3	7614.7	7459.3	7378.3	7352.4	7371.9
27.5°	7715.0	7731.2	7747.4	7851.0	7987.0	8071.2	7922.2	7728.0	7627.6	7575.8	7614.7
30°	8019.4	8042.0	8080.9	8197.4	8388.5	8482.3	8291.3	8055.0	7941.7	7886.6	7938.4
32.5°	8433.8	8437.0	8466.2	8595.7	8848.2	8955.0	8715.4	8453.2	8336.7	8271.9	8301.0
35°	8925.9	8929.1	8883.8	9016.5	9288.5	9408.3	9126.6	8861.1	8764.0	8744.6	8819.0
37.5°	9430.9	9401.8	9356.5	9414.8	9689.9	9767.6	9469.8	9243.2	9201.1	9236.7	9346.8
40°	9790.3	9741.7	9651.1	9693.2	9971.6	10062.3	9745.0	9531.3	9518.4	9605.8	9738.5
42.5°	10023.4	9971.6	9864.8	9864.8	10055.8	10094.6	9848.6	9735.3	9764.4	9864.8	9991.0
45°	10136.7	10107.6	10046.1	10013.7	10120.5	10136.7	9948.9	9903.6	9958.7	10007.2	10104.3
47.5°	10224.1	10224.1	10204.7	10172.3	10220.9	10230.6	10091.4	10078.4	10149.7	10149.7	10214.4
50°	10379.5	10395.7	10421.6	10415.2	10467.0	10499.3	10395.7	10376.3	10405.4	10311.6	10343.9
52.5°	10787.5	10829.6	10904.0	10962.3	11095.0	11195.4	11010.9	10855.5	10703.3	10496.1	10502.6
55°	11519.2	11538.6	11684.3	11855.9	12079.2	12283.2	11904.4	11422.0	11091.8	10849.0	10852.2
57.5°	12137.5	12166.7	12380.3	12739.7	13241.5	13558.8	12720.3	11914.1	11447.9	11150.1	11159.8
60°	11603.3	11564.5	11969.2	12584.3	13494.0	13898.7	12662.0	11561.2	10891.1	10522.0	10547.9
62.5°	8977.7	8903.2	9353.2	9997.5	11088.6	11493.3	10353.6	9298.2	8663.6	8375.5	8333.4
65°	5465.0	5397.0	5720.7	6115.7	6853.9	7109.6	6588.4	6028.3	5474.7	5299.8	5251.3
67.5°	2975.3	2965.6	3053.0	3247.2	3571.0	3690.8	3590.4	3324.9	3182.5	3059.5	3059.5
70°	2360.2	2340.7	2324.6	2327.8	2356.9	2373.1	2376.4	2363.4	2379.6	2382.8	2369.9
72.5°	1955.5	1949.0	1916.6	1919.9	1906.9	1900.4	1923.1	1936.0	1961.9	1965.2	1965.2
75°	1418.0	1401.9	1418.0	1421.3	1408.3	1408.3	1424.5	1421.3	1434.2	1440.7	1405.1
77.5°	806.1	806.1	828.8	854.7	874.1	874.1	890.3	890.3	906.5	903.3	896.8
80°	443.5	443.5	456.5	472.7	492.1	511.5	527.7	531.0	540.7	537.4	527.7
82.5°	252.5	255.8	262.2	272.0	291.4	307.6	323.8	327.0	336.7	336.7	327.0
85°	119.8	116.6	119.8	126.3	136.0	148.9	165.1	174.8	181.3	181.3	174.8
87.5°	22.7	25.9	22.7	25.9	29.1	38.9	45.3	51.8	61.5	64.8	58.3
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)