

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: P643132

Luminaire Tested: GWS-SA6E-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40025.4 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

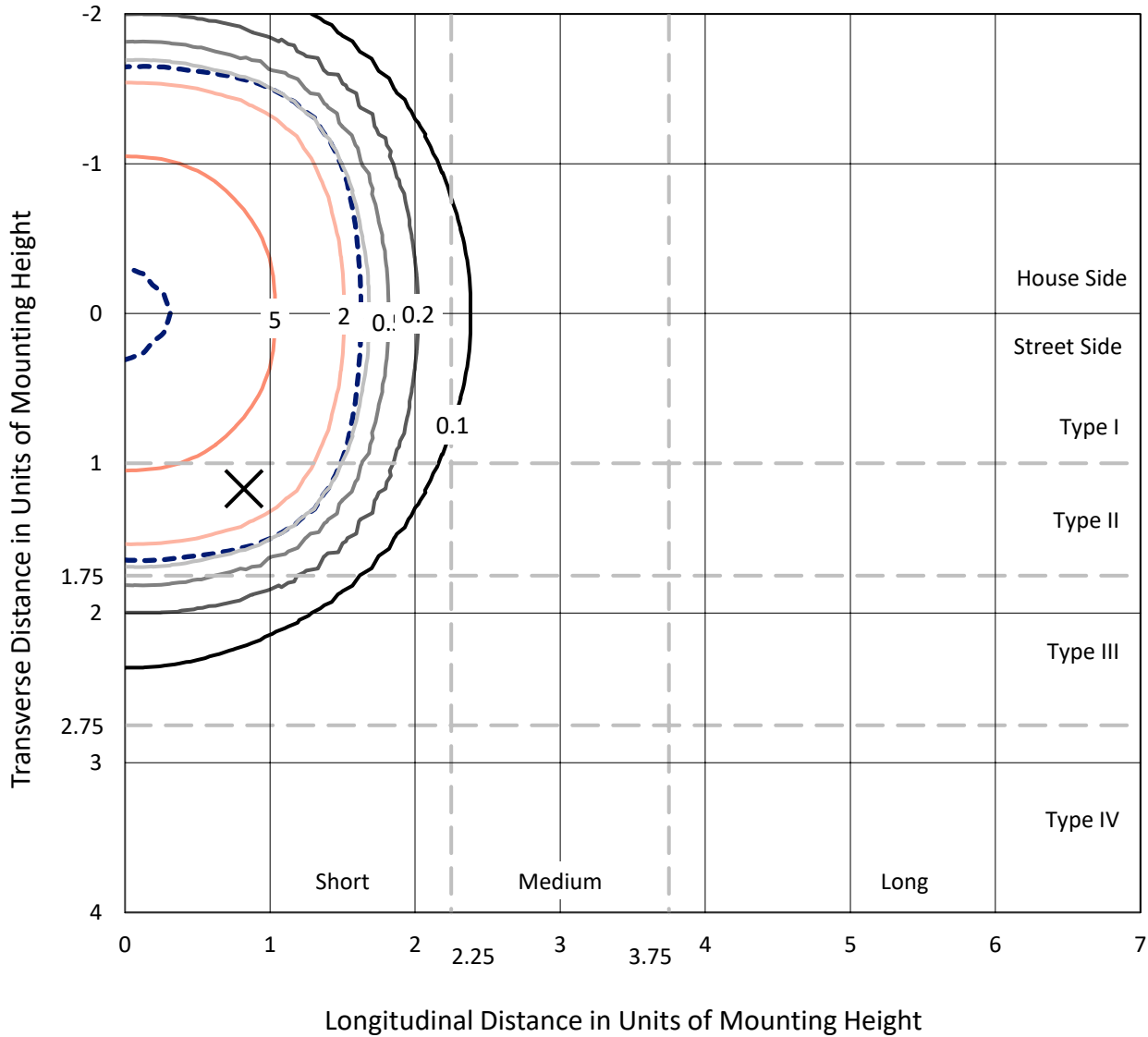
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

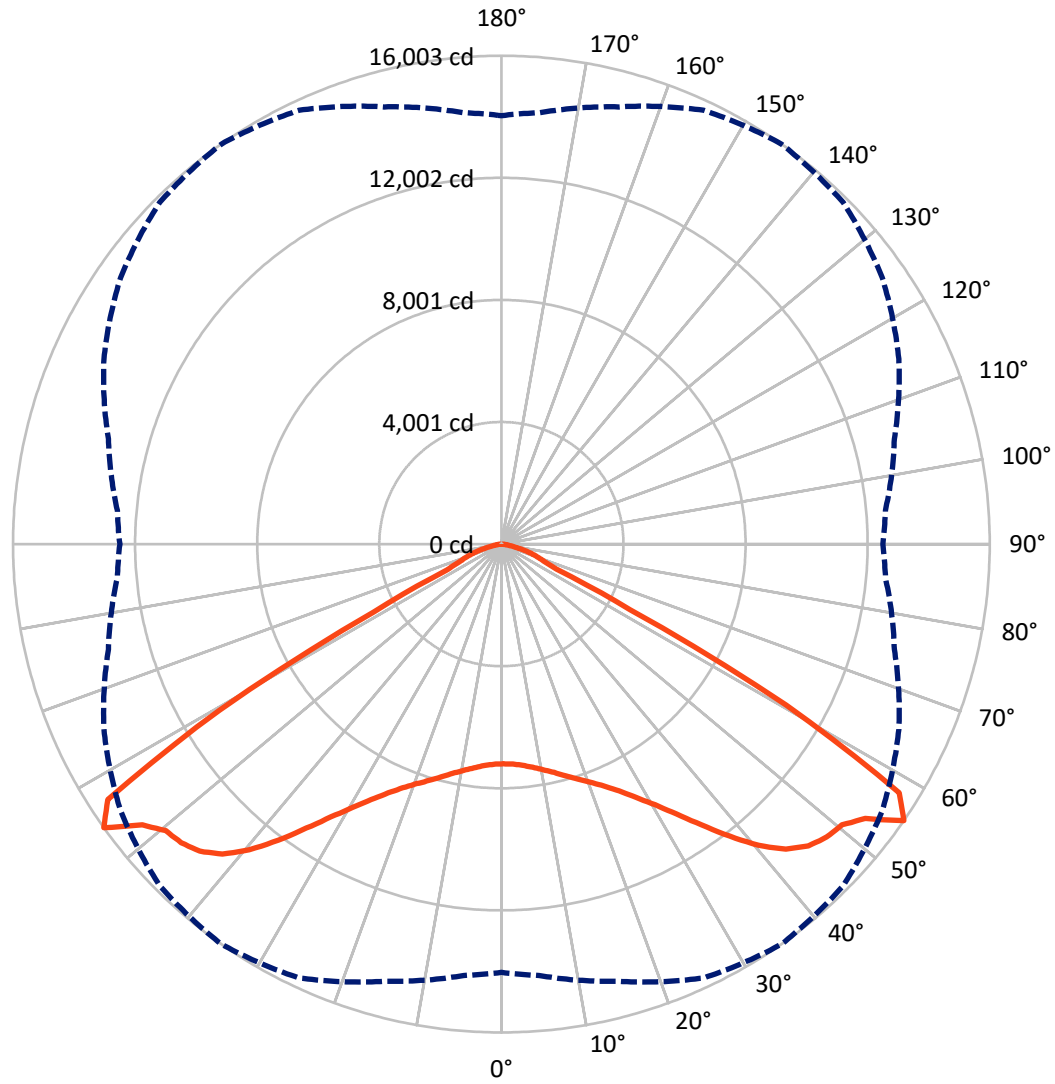
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20012.7	0.0	20012.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20012.7	0.0	20012.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	40025.4	0.0	40025.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.3	1.8
10°-20°	2236.1	5.6
20°-30°	4138.5	10.3
30°-40°	6922.9	17.3
40°-50°	10549.4	26.4
50°-60°	11817.6	29.5
60°-70°	2796.1	7.0
70°-80°	753.8	1.9
80°-90°	108.5	0.3
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°	40025.4	100.0
0°-180°	40025.4	100.0

Coefficient of Utilization



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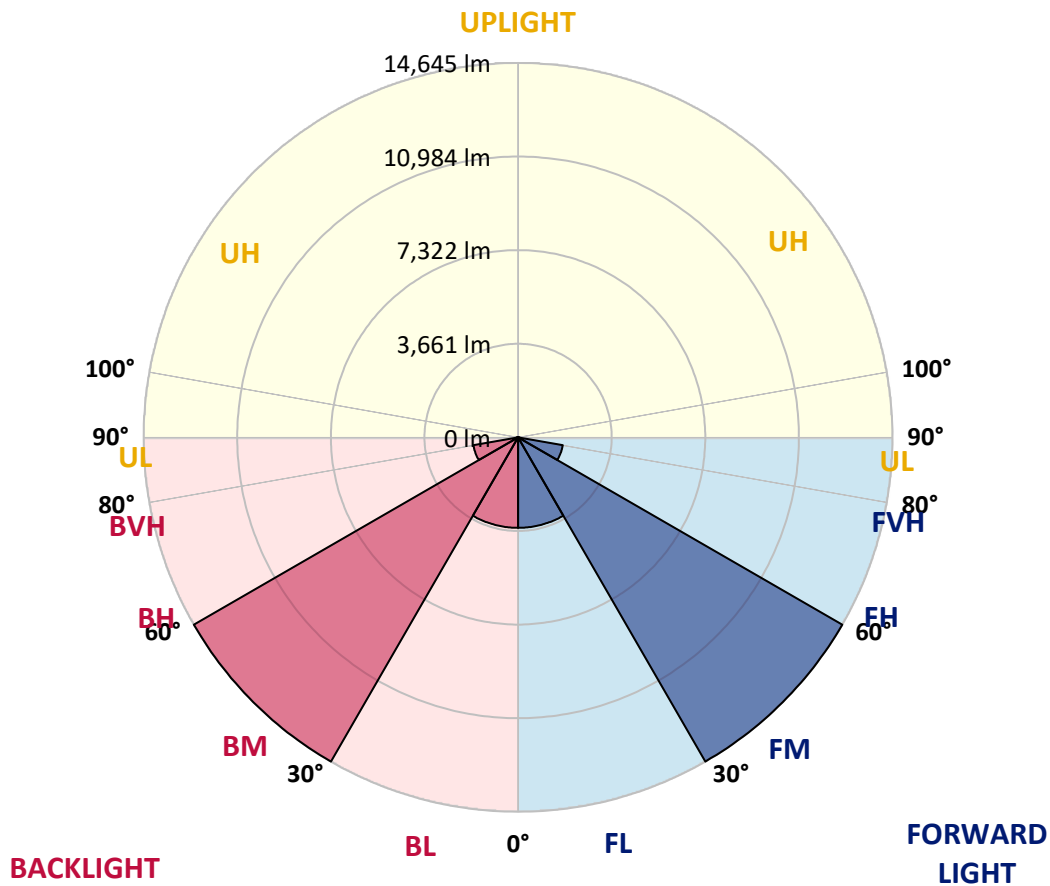
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3538.5	8.8			
FM (30°-60°)	14645.0	36.6			
FH (60°-80°)	1775.0	4.4			G1/1800
FVH (80°-90°)	54.2	0.1			G1/100
BL (0°-30°)	3538.5	8.8	B4/5000		
BM (30°-60°)	14645.0	36.6	B5		
BH (60°-80°)	1775.0	4.4	B3/2500		G1/1800
BVH (80°-90°)	54.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7	7200.7
2.5°	7184.9	7184.9	7197.5	7213.3	7216.5	7248.2	7241.8	7229.2	7222.8	7210.2	7238.7
5°	7264.0	7267.1	7276.6	7286.1	7279.8	7305.1	7295.6	7279.8	7270.3	7254.5	7283.0
7.5°	7368.4	7368.4	7377.9	7390.6	7384.3	7422.2	7403.2	7381.1	7365.3	7346.3	7371.6
10°	7463.4	7469.7	7479.2	7504.5	7517.2	7558.3	7545.7	7514.0	7488.7	7466.5	7495.0
12.5°	7605.8	7612.1	7621.6	7656.5	7678.6	7719.8	7700.8	7656.5	7618.5	7586.8	7618.5
15°	7789.4	7783.1	7808.4	7852.7	7881.2	7919.2	7897.0	7821.0	7770.4	7729.3	7760.9
17.5°	7976.1	7973.0	7998.3	8055.3	8096.4	8147.1	8109.1	8020.4	7966.6	7916.0	7947.6
20°	8178.7	8188.2	8213.5	8267.3	8327.5	8393.9	8362.3	8267.3	8207.2	8150.2	8175.5
22.5°	8428.7	8431.9	8460.4	8530.0	8609.2	8672.5	8653.5	8536.4	8460.4	8400.3	8431.9
25°	8729.4	8726.3	8764.3	8846.5	8957.3	9020.6	8979.5	8849.7	8767.4	8697.8	8723.1
27.5°	9074.4	9071.3	9128.2	9235.9	9394.1	9482.7	9397.3	9235.9	9121.9	9023.8	9045.9
30°	9508.1	9498.6	9561.9	9707.5	9913.2	10062.0	9935.4	9710.6	9561.9	9457.4	9479.6
32.5°	9989.2	10001.8	10080.9	10277.2	10536.7	10729.8	10539.9	10289.8	10090.4	9938.5	9963.8
35°	10517.7	10517.7	10679.2	10922.9	11293.2	11549.6	11255.2	10894.4	10628.5	10419.6	10425.9
37.5°	11106.5	11112.8	11324.8	11660.3	12144.6	12445.3	12046.5	11600.2	11277.4	11052.6	11040.0
40°	11824.9	11843.9	12062.3	12435.8	12980.2	13255.6	12828.3	12391.5	12062.3	11796.4	11771.1
42.5°	12635.2	12641.5	12872.6	13208.1	13667.0	13831.6	13496.1	13138.5	12869.4	12628.9	12603.6
45°	13407.5	13391.7	13591.1	13841.1	14107.0	14122.8	13936.1	13790.5	13556.3	13350.5	13312.5
47.5°	14008.9	13996.2	14176.6	14312.7	14344.4	14189.3	14249.4	14271.6	13999.4	13720.9	13648.1
50°	14376.0	14401.4	14572.3	14648.2	14461.5	14208.3	14436.2	14379.2	13989.9	13625.9	13508.8
52.5°	14597.6	14635.6	14933.1	15126.2	14933.1	14692.5	14724.2	14388.7	13828.5	13347.4	13195.4
55°	14037.4	14189.3	14831.8	15686.4	16002.9	15835.2	15233.8	14369.7	13331.5	12632.0	12502.3
57.5°	10403.8	10644.3	11597.0	13448.6	15373.0	15983.9	14227.3	12046.5	10473.4	9574.5	9498.6
60°	5311.1	5580.1	6342.9	8245.2	10720.3	11581.2	9910.0	7713.4	6130.9	5402.9	5320.6
62.5°	2168.1	2212.4	2462.5	3196.8	4738.2	5466.2	4801.5	3370.9	2532.1	2332.7	2335.9
65°	1706.0	1715.5	1702.8	1747.2	1984.5	2202.9	2035.2	1788.3	1744.0	1766.1	1750.3
67.5°	1487.6	1490.8	1481.3	1481.3	1490.8	1481.3	1500.3	1509.8	1516.1	1541.4	1525.6
70°	1243.9	1247.1	1247.1	1253.4	1250.2	1234.4	1262.9	1275.5	1278.7	1294.5	1285.0
72.5°	962.2	971.7	978.0	981.2	978.0	968.5	984.4	1006.5	1003.3	1019.2	1003.3
75°	652.0	664.7	671.0	683.7	680.5	680.5	699.5	709.0	699.5	712.2	699.5
77.5°	370.3	379.8	398.8	411.5	424.1	433.6	446.3	452.6	449.4	455.8	449.4
80°	215.2	218.4	234.2	240.6	256.4	272.2	284.9	291.2	294.4	297.5	294.4
82.5°	123.4	126.6	132.9	139.3	151.9	164.6	177.2	186.7	186.7	189.9	186.7
85°	60.1	60.1	63.3	66.5	72.8	82.3	91.8	101.3	104.4	104.4	104.4
87.5°	9.5	9.5	12.7	12.7	15.8	19.0	25.3	31.7	34.8	34.8	34.8
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)