

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: P643297

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643297
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40942.6 lumens
Efficiency: N/A
Efficacy: 126.4 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

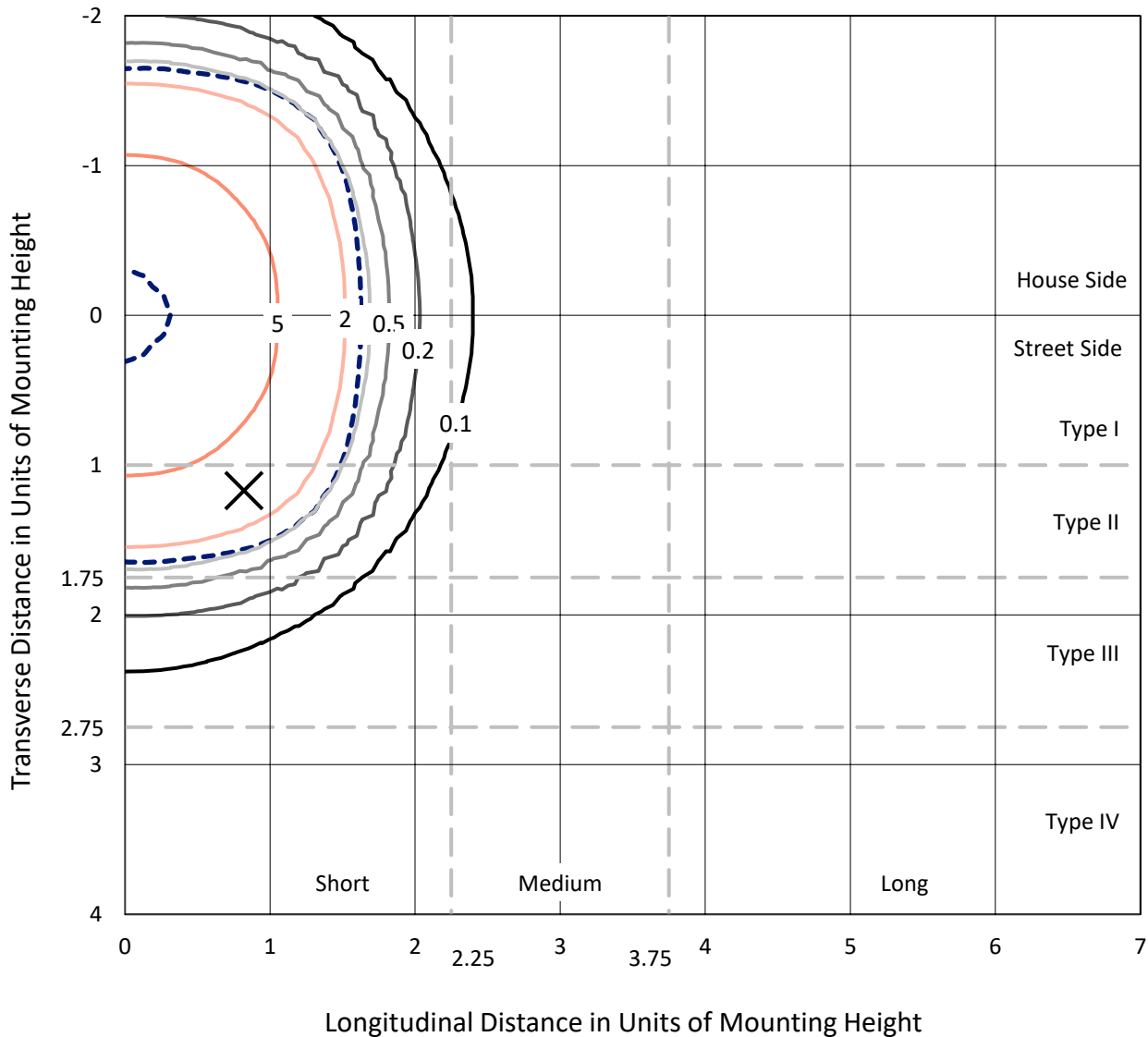


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Iso-Footcandle Lines of Horizontal Illumination

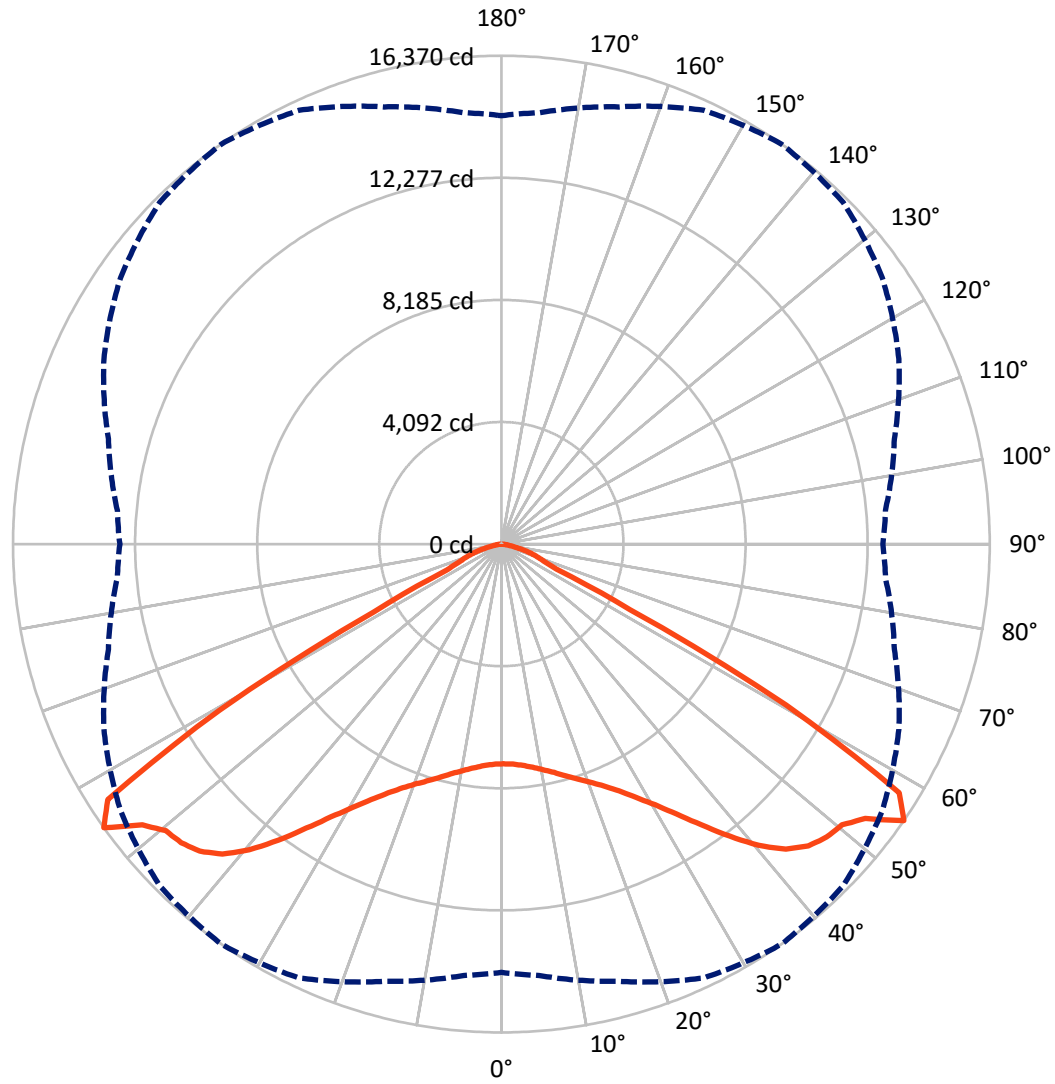
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.2 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	20471.3	0.0	20471.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20471.3	0.0	20471.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	40942.6	0.0	40942.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.4	1.8
10°-20°	2287.3	5.6
20°-30°	4233.4	10.3
30°-40°	7081.6	17.3
40°-50°	10791.2	26.4
50°-60°	12088.4	29.5
60°-70°	2860.2	7.0
70°-80°	771.1	1.9
80°-90°	111.0	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°	40942.6	100.0
0°-180°	40942.6	100.0

Coefficient of Utilization



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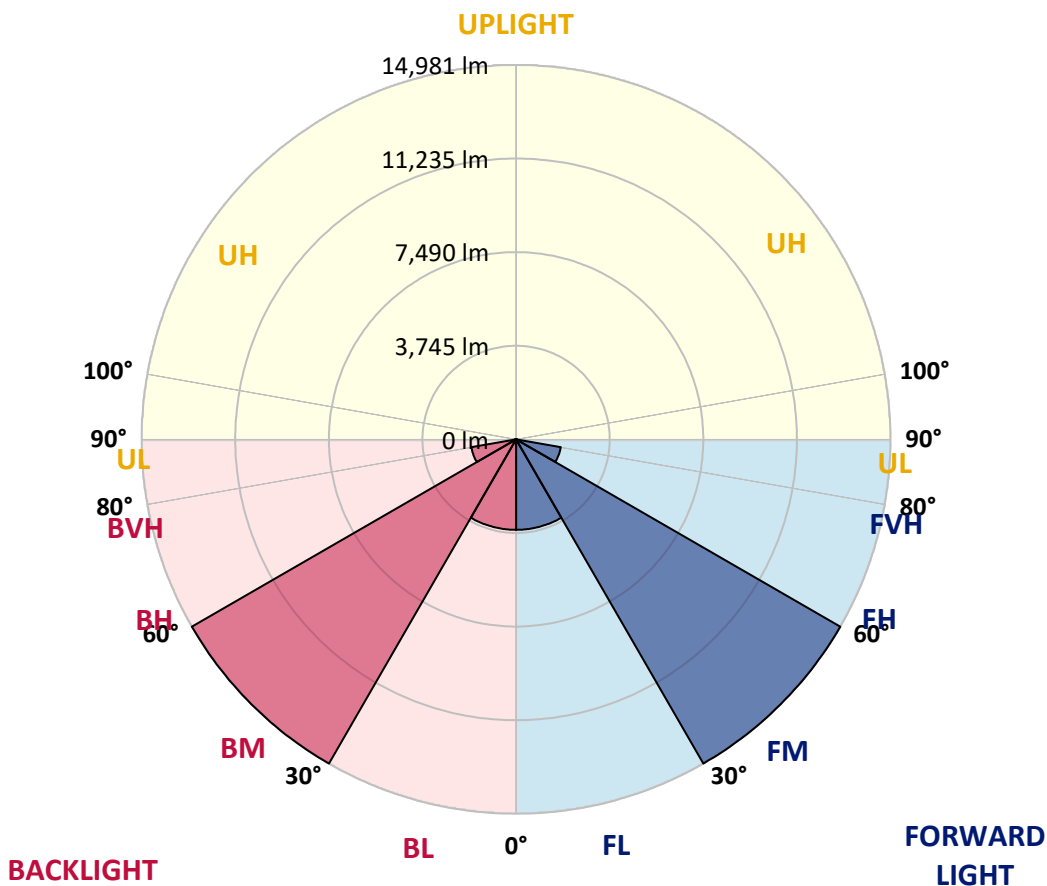
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3619.6	8.8			
FM (30°-60°)	14980.6	36.6			
FH (60°-80°)	1815.7	4.4			G2/5000
FVH (80°-90°)	55.5	0.1			G1/100
BL (0°-30°)	3619.6	8.8	B4/5000		
BM (30°-60°)	14980.6	36.6	B5		
BH (60°-80°)	1815.7	4.4	B3/2500		G2/5000
BVH (80°-90°)	55.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7	7365.7
2.5°	7349.5	7349.5	7362.4	7378.6	7381.9	7414.2	7407.8	7394.8	7388.3	7375.4	7404.5
5°	7430.4	7433.7	7443.4	7453.1	7446.6	7472.5	7462.8	7446.6	7436.9	7420.7	7449.9
7.5°	7537.3	7537.3	7547.0	7559.9	7553.5	7592.3	7572.9	7550.2	7534.0	7514.6	7540.5
10°	7634.4	7640.9	7650.6	7676.5	7689.4	7731.5	7718.6	7686.2	7660.3	7637.6	7666.8
12.5°	7780.1	7786.6	7796.3	7831.9	7854.6	7896.7	7877.2	7831.9	7793.1	7760.7	7793.1
15°	7967.9	7961.4	7987.3	8032.6	8061.8	8100.6	8078.0	8000.3	7948.5	7906.4	7938.8
17.5°	8158.9	8155.7	8181.6	8239.9	8281.9	8333.7	8294.9	8204.2	8149.2	8097.4	8129.8
20°	8366.1	8375.8	8401.7	8456.8	8518.3	8586.3	8553.9	8456.8	8395.3	8337.0	8362.9
22.5°	8621.9	8625.1	8654.3	8725.5	8806.4	8871.2	8851.8	8732.0	8654.3	8592.8	8625.1
25°	8929.5	8926.2	8965.1	9049.3	9162.6	9227.3	9185.3	9052.5	8968.3	8897.1	8923.0
27.5°	9282.4	9279.1	9337.4	9447.5	9609.4	9700.0	9612.6	9447.5	9330.9	9230.6	9253.2
30°	9725.9	9716.2	9781.0	9929.9	10140.4	10292.5	10163.0	9933.2	9781.0	9674.1	9696.8
32.5°	10218.1	10231.0	10312.0	10512.7	10778.2	10975.7	10781.4	10525.6	10321.7	10166.3	10192.2
35°	10758.8	10758.8	10923.9	11173.2	11552.0	11814.2	11513.1	11144.0	10872.1	10658.4	10664.9
37.5°	11361.0	11367.4	11584.4	11927.6	12422.9	12730.5	12322.5	11866.0	11535.8	11305.9	11293.0
40°	12095.9	12115.3	12338.7	12720.8	13277.7	13559.3	13122.2	12675.5	12338.7	12066.8	12040.9
42.5°	12924.8	12931.2	13167.6	13510.8	13980.2	14148.6	13805.4	13439.5	13164.3	12918.3	12892.4
45°	13714.7	13698.6	13902.5	14158.3	14430.3	14446.5	14255.4	14106.5	13866.9	13656.5	13617.6
47.5°	14329.9	14316.9	14501.5	14640.7	14673.1	14514.4	14576.0	14598.6	14320.2	14035.3	13960.8
50°	14705.5	14731.4	14906.2	14983.9	14792.9	14533.9	14767.0	14708.7	14310.5	13938.1	13818.3
52.5°	14932.1	14971.0	15275.3	15472.8	15275.3	15029.2	15061.6	14718.4	14145.4	13653.2	13497.8
55°	14359.0	14514.4	15171.7	16045.9	16369.6	16198.0	15582.9	14699.0	13637.0	12921.5	12788.8
57.5°	10642.2	10888.3	11862.8	13756.8	15725.3	16350.2	14553.3	12322.5	10713.4	9793.9	9716.2
60°	5432.8	5708.0	6488.3	8434.1	10966.0	11846.6	10137.1	7890.2	6271.4	5526.7	5442.5
62.5°	2217.8	2263.1	2518.9	3270.0	4846.8	5591.4	4911.5	3448.1	2590.1	2386.2	2389.4
65°	1745.1	1754.8	1741.9	1787.2	2030.0	2253.4	2081.8	1829.3	1784.0	1806.6	1790.4
67.5°	1521.7	1524.9	1515.2	1515.2	1524.9	1515.2	1534.7	1544.4	1550.8	1576.7	1560.6
70°	1272.4	1275.6	1275.6	1282.1	1278.9	1262.7	1291.8	1304.8	1308.0	1324.2	1314.5
72.5°	984.2	994.0	1000.4	1003.7	1000.4	990.7	1006.9	1029.6	1026.3	1042.5	1026.3
75°	667.0	679.9	686.4	699.3	696.1	696.1	715.5	725.2	715.5	728.5	715.5
77.5°	378.8	388.5	407.9	420.9	433.8	443.6	456.5	463.0	459.7	466.2	459.7
80°	220.2	223.4	239.6	246.1	262.3	278.4	291.4	297.9	301.1	304.3	301.1
82.5°	126.3	129.5	136.0	142.5	155.4	168.4	181.3	191.0	191.0	194.3	191.0
85°	61.5	61.5	64.8	68.0	74.5	84.2	93.9	103.6	106.8	106.8	106.8
87.5°	9.7	9.7	13.0	13.0	16.2	19.4	25.9	32.4	35.6	35.6	35.6
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)