

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: P643299

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23767.2 lumens
Efficiency: N/A
Efficacy: 73.4 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

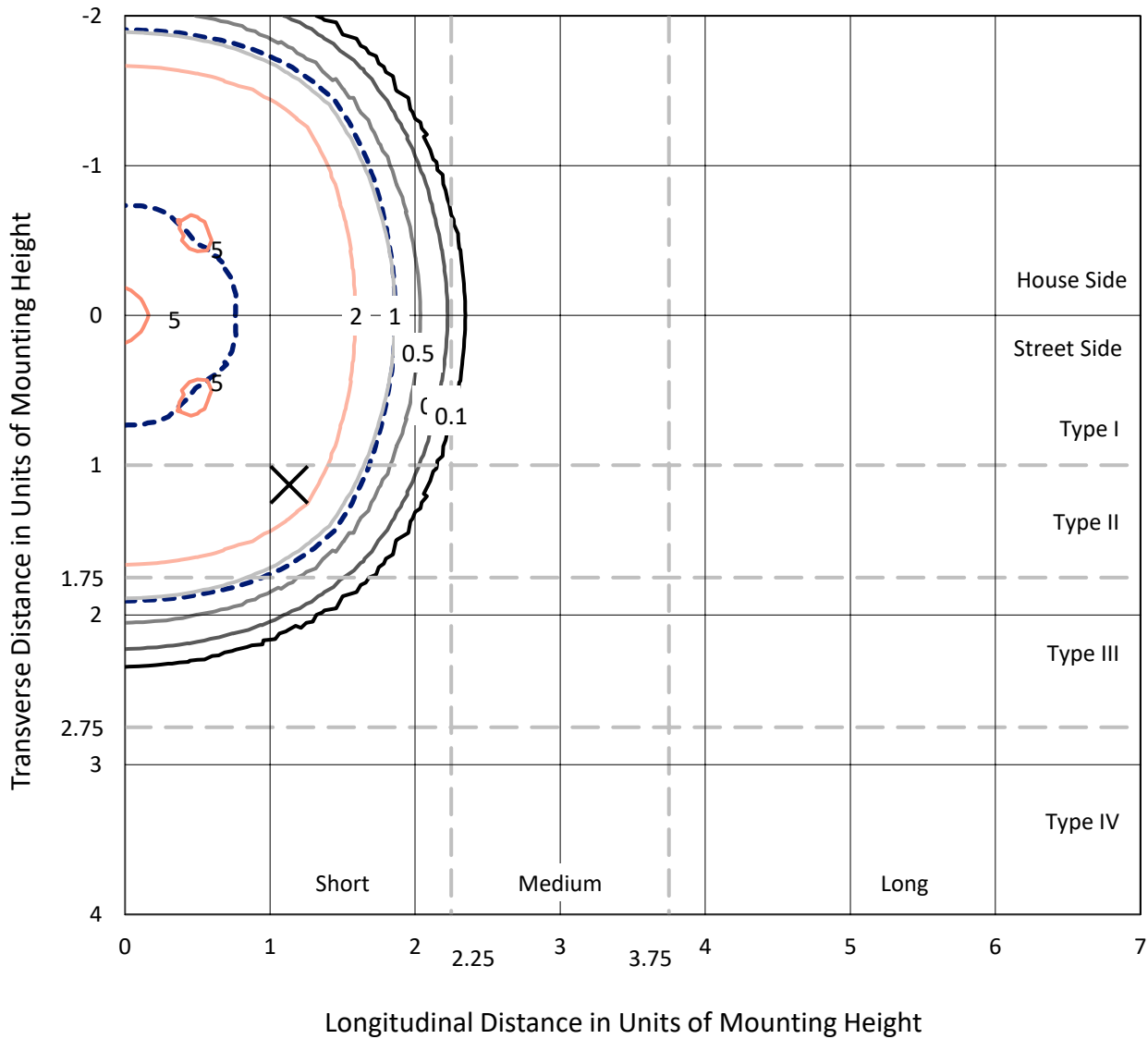


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Iso-Footcandle Lines of Horizontal Illumination

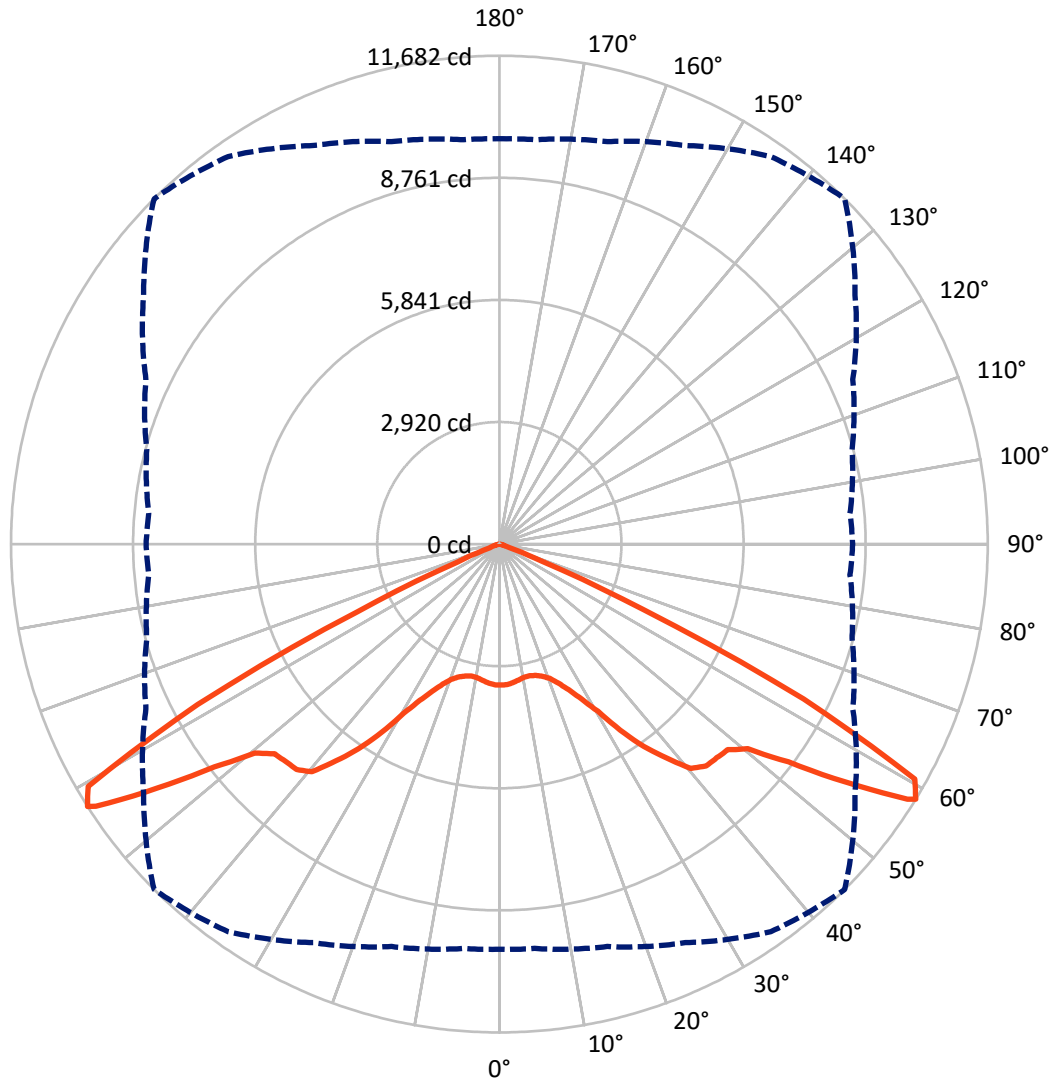
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11883.6	0.0	11883.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11883.6	0.0	11883.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23767.2	0.0	23767.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.5	1.3
10°-20°	930.5	3.9
20°-30°	1759.8	7.4
30°-40°	3470.8	14.6
40°-50°	5492.5	23.1
50°-60°	8073.6	34.0
60°-70°	3603.7	15.2
70°-80°	120.7	0.5
80°-90°	1.0	0.0
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°	23767.2	100.0
0°-180°	23767.2	100.0

Coefficient of Utilization



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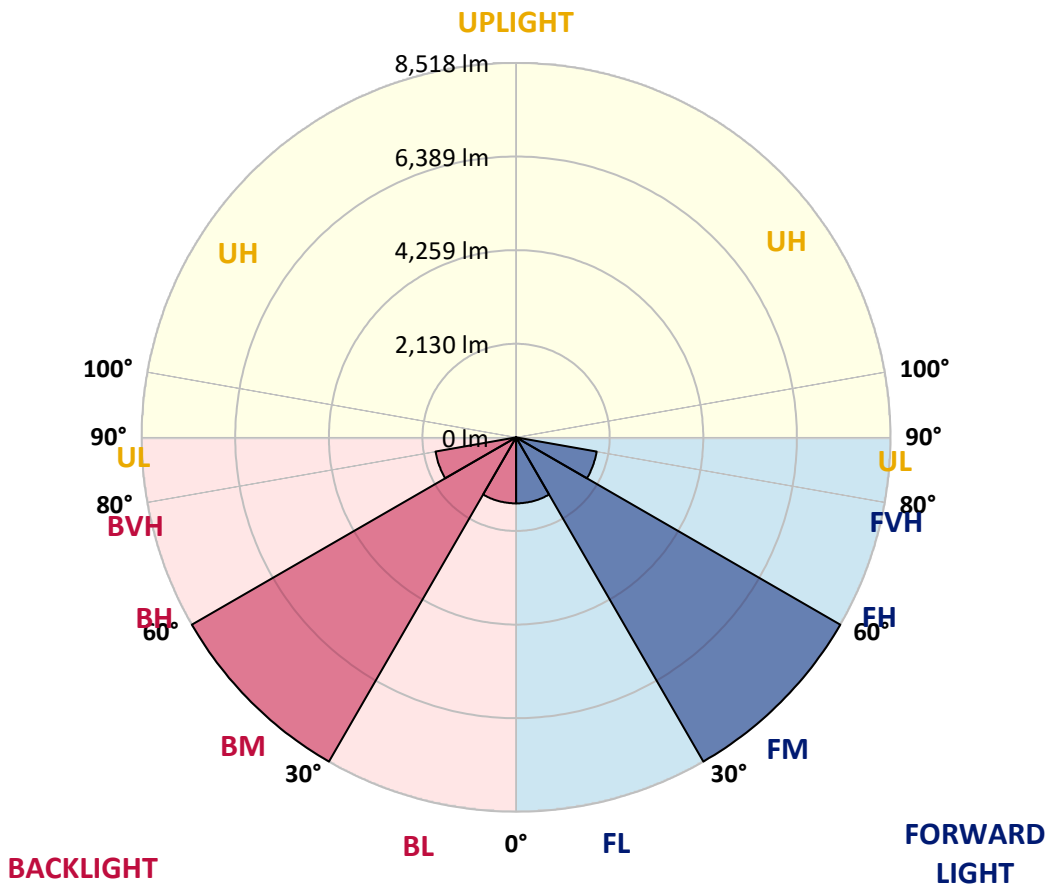
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1502.4	6.3			
FM (30°-60°)	8518.5	35.8			
FH (60°-80°)	1862.2	7.8			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1502.4	6.3	B3/2500		
BM (30°-60°)	8518.5	35.8	B5		
BH (60°-80°)	1862.2	7.8	B3/2500		G2/5000
BVH (80°-90°)	0.5	0.0			G0/10
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°	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5	3370.5
2.5°	3338.1	3344.6	3351.1	3354.3	3357.6	3367.3	3370.5	3360.8	3360.8	3341.4	3364.0
5°	3321.9	3328.4	3334.9	3331.7	3331.7	3331.7	3328.4	3315.5	3312.2	3292.8	3315.5
7.5°	3292.8	3299.3	3299.3	3289.6	3283.1	3283.1	3279.8	3263.7	3260.4	3241.0	3263.7
10°	3270.1	3273.4	3270.1	3250.7	3237.8	3237.8	3234.5	3228.0	3231.3	3218.3	3237.8
12.5°	3283.1	3286.3	3273.4	3247.5	3231.3	3228.0	3218.3	3208.6	3218.3	3215.1	3234.5
15°	3325.2	3328.4	3305.8	3273.4	3260.4	3260.4	3234.5	3208.6	3221.6	3224.8	3247.5
17.5°	3377.0	3377.0	3347.8	3318.7	3321.9	3321.9	3279.8	3234.5	3237.8	3250.7	3273.4
20°	3438.5	3438.5	3409.4	3402.9	3425.5	3428.8	3377.0	3305.8	3289.6	3299.3	3325.2
22.5°	3548.6	3548.6	3525.9	3542.1	3593.9	3610.1	3532.4	3432.0	3393.2	3399.6	3425.5
25°	3720.2	3720.2	3713.7	3752.6	3827.0	3862.6	3759.0	3626.3	3561.5	3551.8	3581.0
27.5°	4008.3	4011.6	4001.9	4060.1	4154.0	4196.1	4053.7	3878.8	3801.1	3784.9	3814.1
30°	4380.7	4380.7	4383.9	4464.9	4587.9	4642.9	4455.2	4251.2	4160.5	4108.7	4147.6
32.5°	4795.1	4801.6	4834.0	4970.0	5186.9	5300.2	5025.0	4740.1	4594.4	4539.3	4581.4
35°	5478.3	5416.8	5377.9	5478.3	5792.3	5941.3	5588.4	5254.9	5144.8	5138.3	5245.2
37.5°	6155.0	6119.4	6038.4	6142.0	6423.7	6491.7	6103.2	5824.7	5747.0	5789.1	5896.0
40°	6692.4	6627.7	6520.8	6618.0	6987.1	7055.1	6575.9	6300.7	6271.5	6365.4	6511.1
42.5°	7116.6	7025.9	6883.5	6906.1	7204.0	7252.6	6828.4	6621.2	6640.6	6757.2	6922.3
45°	7307.6	7236.4	7110.1	7100.4	7288.2	7291.4	6957.9	6851.1	6902.9	6993.6	7123.1
47.5°	7388.6	7356.2	7285.0	7268.8	7375.6	7349.7	7142.5	7097.2	7145.7	7171.6	7246.1
50°	7589.3	7589.3	7599.0	7612.0	7722.1	7696.1	7550.5	7498.6	7437.1	7346.5	7369.1
52.5°	8152.7	8175.3	8269.2	8372.8	8573.6	8657.8	8421.4	8120.3	7825.7	7628.2	7628.2
55°	9169.3	9192.0	9302.1	9476.9	9846.0	10046.8	9496.3	8832.6	8427.9	8159.1	8194.8
57.5°	9729.5	9755.4	9982.0	10454.7	11170.3	11510.2	10328.4	9344.2	8777.6	8470.0	8495.9
58°	9693.8	9710.0	9965.8	10519.5	11316.0	11681.8	10386.7	9328.0	8732.2	8418.2	8450.5
60°	8612.4	8589.8	8997.7	9787.7	10911.2	11416.3	9807.2	8515.3	7822.4	7501.9	7518.1
62.5°	5630.5	5643.4	5996.3	6822.0	7696.1	8172.1	6851.1	5889.5	5332.6	5138.3	5089.8
65°	2350.6	2308.5	2525.5	2985.2	3509.7	3775.2	3244.2	2745.6	2402.4	2272.9	2308.5
67.5°	605.5	589.3	602.2	754.4	922.8	1091.1	916.3	699.4	608.7	615.2	615.2
70°	343.2	323.8	262.3	242.8	236.4	236.4	236.4	236.4	272.0	320.5	330.3
72.5°	259.0	242.8	191.0	165.1	145.7	136.0	142.5	165.1	197.5	239.6	246.1
75°	129.5	129.5	116.6	110.1	97.1	90.7	93.9	103.6	119.8	136.0	132.7
77.5°	25.9	29.1	32.4	38.9	32.4	32.4	32.4	38.9	38.9	42.1	38.9
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)