

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: P642801

Luminaire Tested: GWS-SA6D-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 25431.3 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

Input Watts (W): 245.7
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

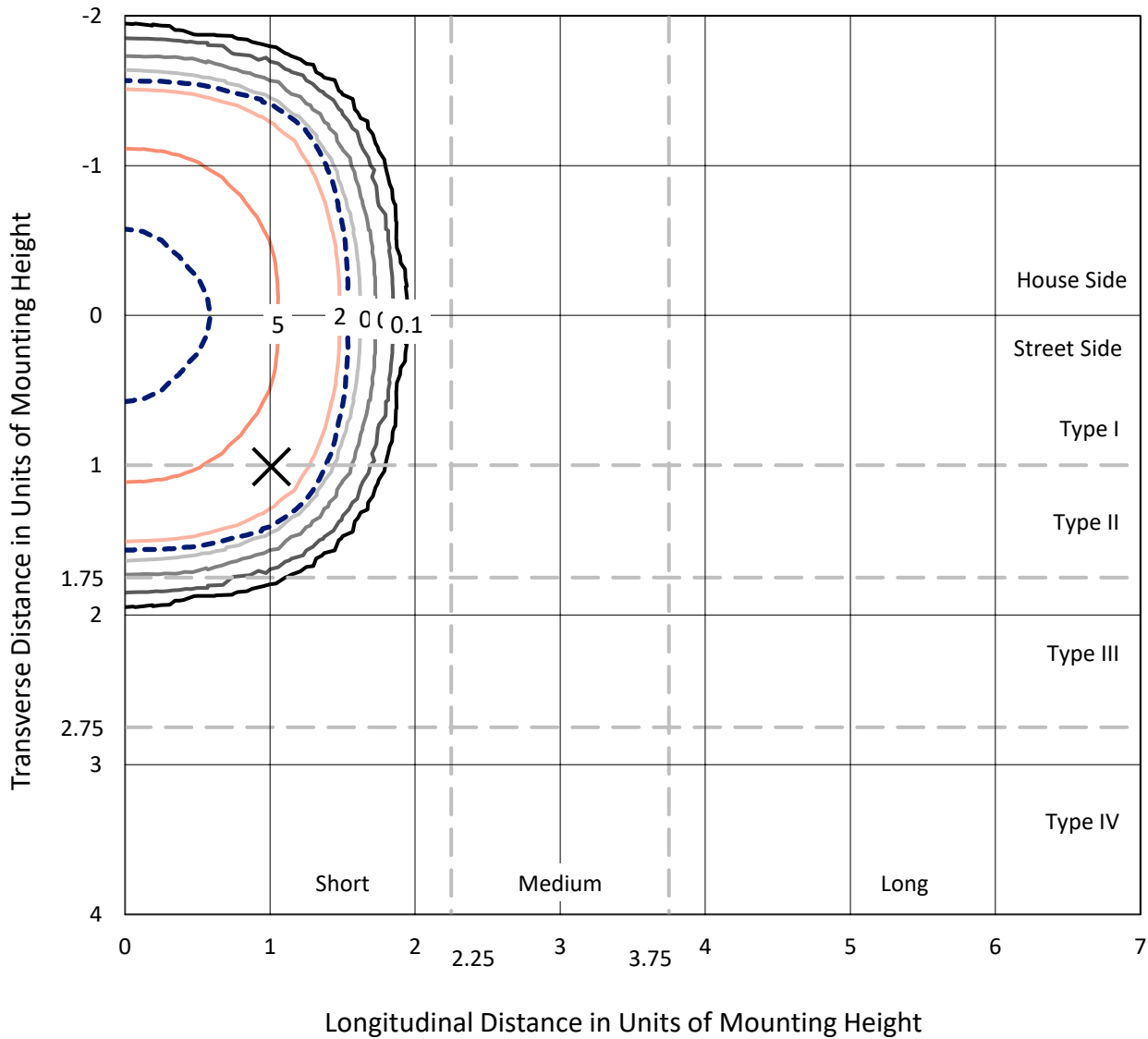


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Iso-Footcandle Lines of Horizontal Illumination

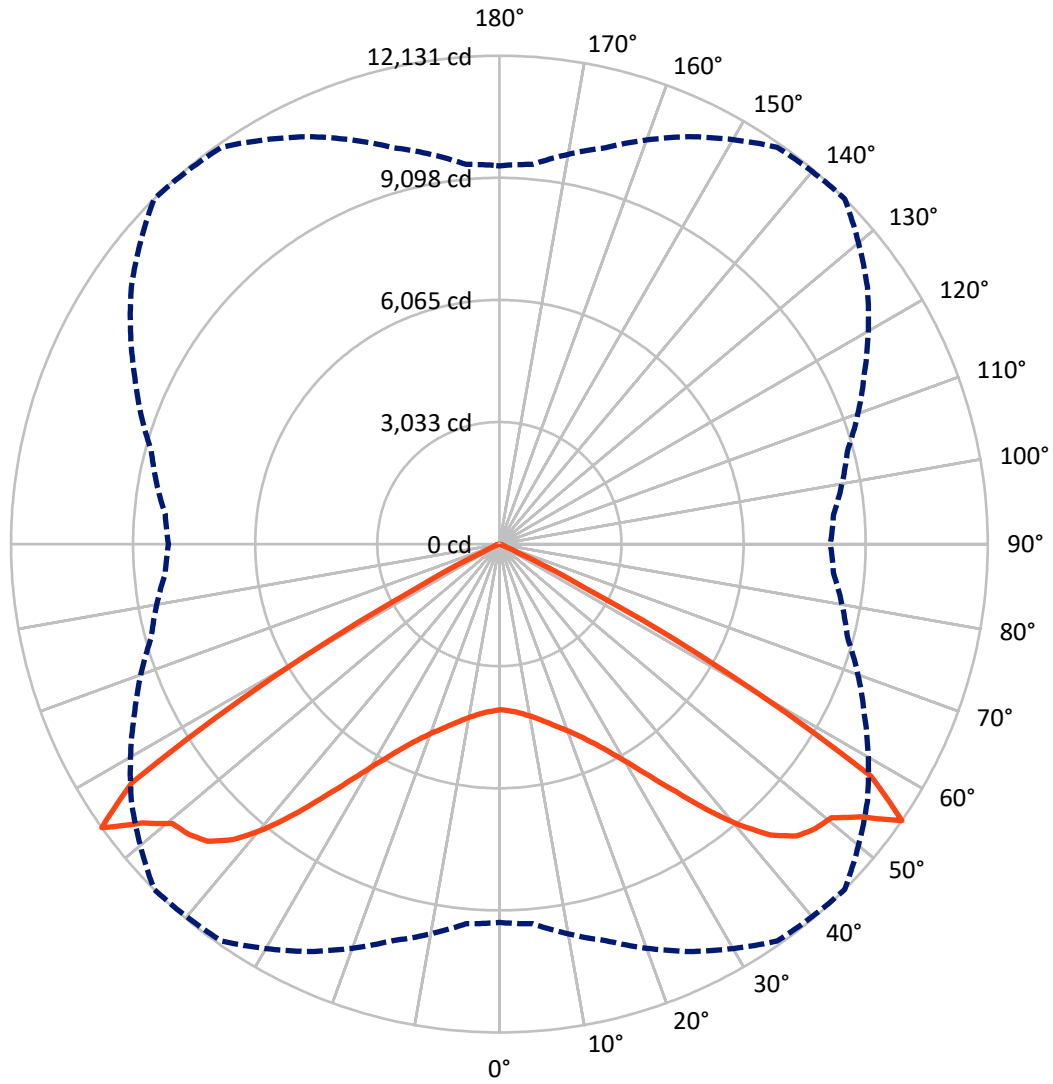
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12715.7	0.0	12715.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12715.7	0.0	12715.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	25431.3	0.0	25431.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.9	1.6
10°-20°	1305.9	5.1
20°-30°	2529.0	9.9
30°-40°	4530.9	17.8
40°-50°	7596.4	29.9
50°-60°	8131.5	32.0
60°-70°	893.5	3.5
70°-80°	39.4	0.2
80°-90°	1.8	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°	25431.3	100.0
0°-180°	25431.3	100.0

Coefficient of Utilization



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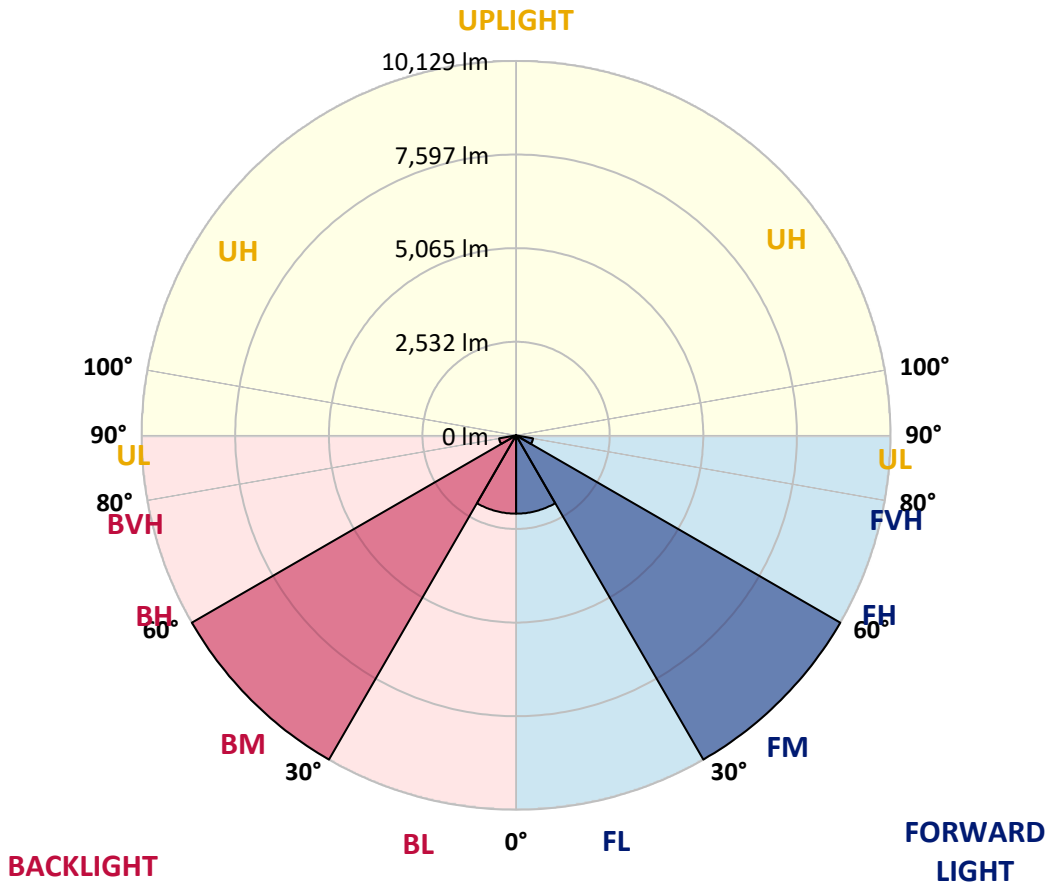
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2118.9	8.3			
FM (30°-60°)	10129.4	39.8			
FH (60°-80°)	466.4	1.8			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2118.9	8.3	B3/2500		
BM (30°-60°)	10129.4	39.8	B5		
BH (60°-80°)	466.4	1.8	B1/500		G0/660
BVH (80°-90°)	0.9	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8	4111.8
2.5°	4104.0	4104.0	4114.3	4122.1	4122.1	4142.8	4135.1	4127.3	4127.3	4116.9	4137.7
5°	4163.6	4161.0	4171.3	4176.5	4166.2	4186.9	4173.9	4166.2	4161.0	4150.6	4171.3
7.5°	4228.3	4230.9	4233.5	4243.9	4238.7	4259.4	4249.1	4233.5	4228.3	4212.8	4233.5
10°	4306.1	4306.1	4311.3	4324.2	4326.8	4352.7	4342.3	4324.2	4308.7	4293.1	4313.8
12.5°	4404.5	4407.1	4414.9	4433.0	4443.4	4471.9	4456.3	4420.1	4396.7	4378.6	4401.9
15°	4547.0	4544.4	4554.8	4580.7	4593.7	4614.4	4591.1	4541.8	4513.3	4492.6	4508.2
17.5°	4702.5	4702.5	4707.7	4733.6	4751.7	4782.8	4754.3	4694.7	4668.8	4640.3	4655.8
20°	4873.5	4881.2	4886.4	4904.6	4935.7	4966.7	4943.4	4883.8	4855.3	4819.1	4837.2
22.5°	5098.9	5091.1	5093.7	5124.8	5168.8	5199.9	5181.8	5111.8	5062.6	5034.1	5044.5
25°	5350.2	5347.6	5355.4	5402.0	5451.2	5484.9	5459.0	5368.3	5319.1	5269.9	5290.6
27.5°	5658.5	5661.1	5666.3	5723.3	5801.0	5850.2	5785.5	5694.8	5627.4	5562.7	5578.2
30°	6023.8	6018.7	6034.2	6111.9	6225.9	6303.6	6228.5	6101.6	6005.7	5943.5	5951.3
32.5°	6412.5	6417.6	6459.1	6583.5	6733.7	6871.1	6718.2	6549.8	6425.4	6308.8	6324.4
35°	6832.2	6845.1	6938.4	7122.4	7368.5	7552.5	7340.0	7062.8	6886.6	6736.3	6741.5
37.5°	7327.1	7358.1	7487.7	7762.3	8114.7	8360.8	8049.9	7682.0	7454.0	7267.5	7254.5
40°	7977.4	8013.6	8189.8	8516.3	8943.8	9169.2	8809.0	8430.8	8148.4	7946.3	7915.2
42.5°	8723.5	8770.2	8961.9	9296.1	9723.6	9876.5	9524.1	9205.5	8951.5	8713.2	8702.8
45°	9565.6	9591.5	9746.9	10003.4	10311.8	10348.0	10083.8	9907.6	9651.1	9428.3	9410.1
47.5°	10355.8	10381.7	10487.9	10620.1	10692.6	10563.1	10516.4	10438.7	10107.1	9832.4	9775.4
50°	10956.9	10977.6	11109.8	11161.6	10959.5	10684.9	10775.5	10609.7	10249.6	9941.3	9853.2
52.5°	10915.4	10967.3	11306.7	11602.0	11475.1	11252.3	11008.7	10651.2	10091.5	9669.2	9560.4
55°	9397.2	9467.1	10195.2	11166.8	12034.7	12130.6	11156.4	10003.4	8951.5	8332.3	8220.9
57.5°	6039.4	6057.5	6946.2	8309.0	10265.1	10881.8	9252.1	7542.1	6233.7	5552.3	5505.7
60°	2220.4	2184.1	2855.2	3984.8	5912.4	6565.3	5446.1	3813.8	2720.4	2238.5	2199.7
62.5°	533.7	538.9	668.5	1002.7	1855.1	2295.5	1813.6	1013.0	645.1	541.5	536.3
65°	269.5	264.3	266.9	287.6	396.4	474.1	388.6	274.6	264.3	266.9	264.3
67.5°	173.6	171.0	176.2	178.8	176.2	165.8	163.2	168.4	168.4	171.0	165.8
70°	106.2	103.6	108.8	116.6	111.4	98.5	103.6	108.8	103.6	101.0	101.0
72.5°	57.0	57.0	62.2	67.4	62.2	57.0	57.0	59.6	57.0	57.0	57.0
75°	25.9	25.9	28.5	31.1	25.9	25.9	25.9	25.9	25.9	25.9	25.9
77.5°	7.8	7.8	10.4	10.4	7.8	7.8	7.8	7.8	10.4	10.4	10.4
80°	2.6	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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)