

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: P640330

Luminaire Tested: GWS-SA5D-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640330  
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-SA5D-760-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

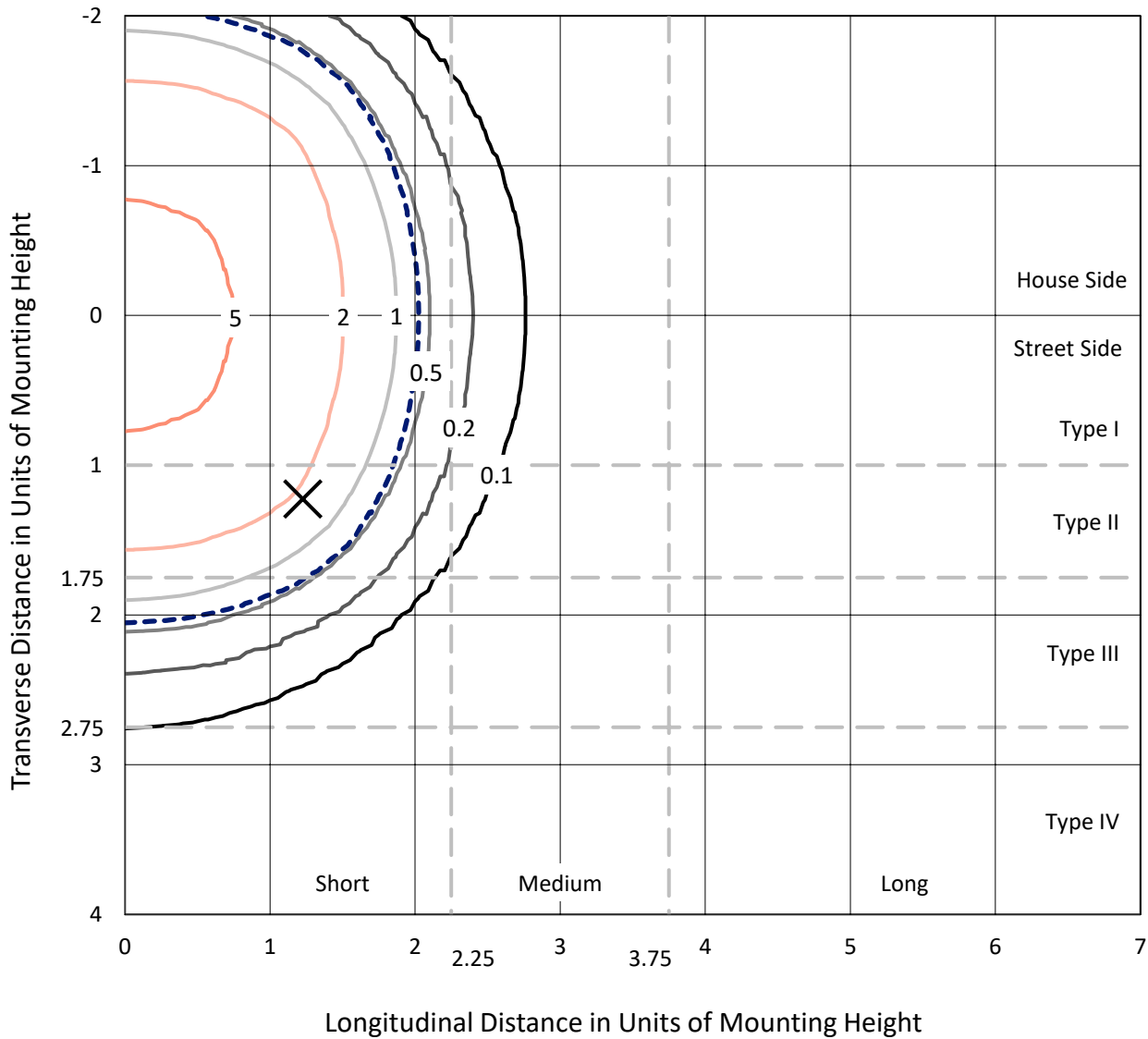
Lumens per Lamp: N/A  
Luminaire Lumens: 25596.7 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

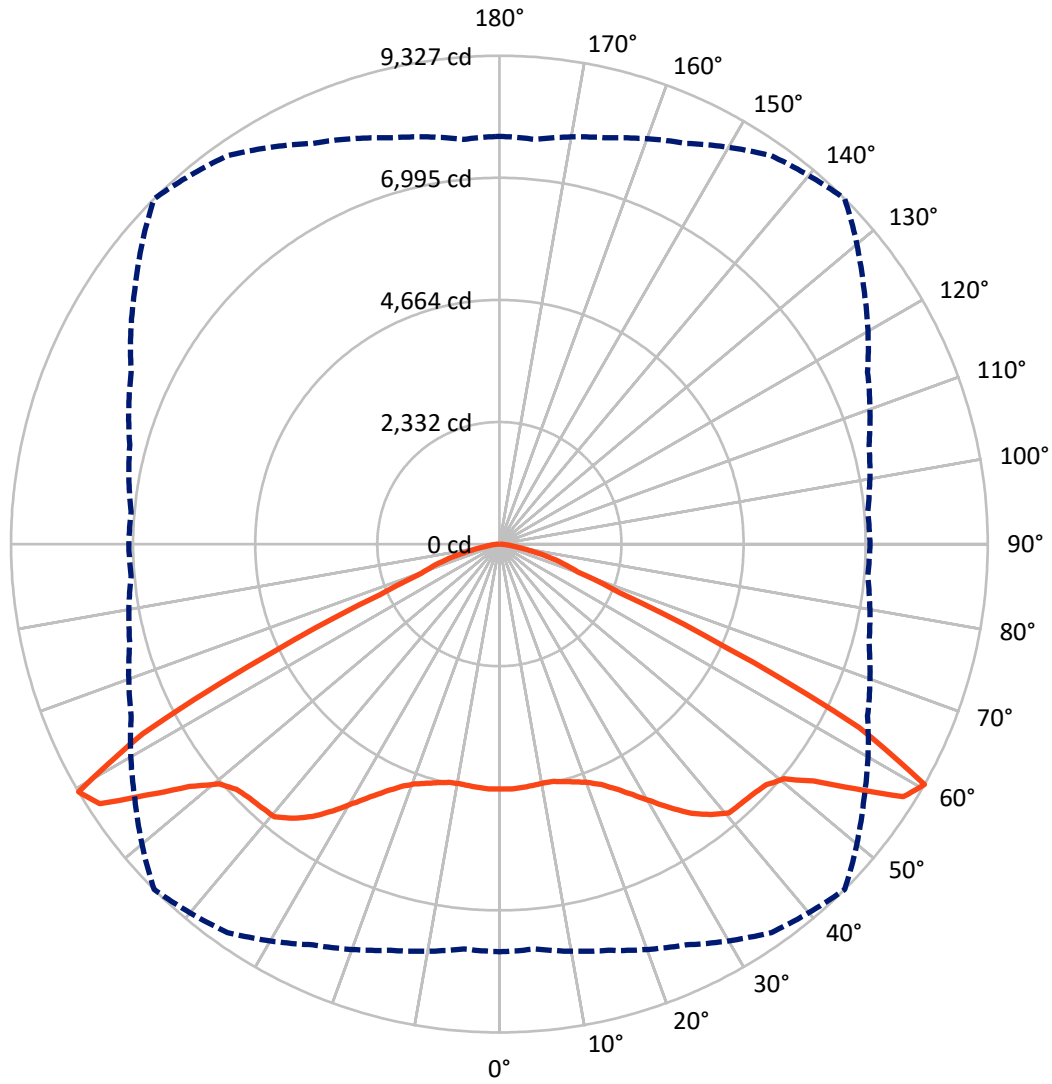
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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
<b>House Side</b>	Lumens	12798.3	0.0	12798.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12798.3	0.0	12798.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25596.7	0.0	25596.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.6	1.7
10°-20°	1334.3	5.2
20°-30°	2360.7	9.2
30°-40°	3800.7	14.8
40°-50°	5224.0	20.4
50°-60°	6961.5	27.2
60°-70°	4338.7	17.0
70°-80°	997.7	3.9
80°-90°	135.4	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°	25596.7	100.0
0°-180°	25596.7	100.0

**Coefficient of Utilization**



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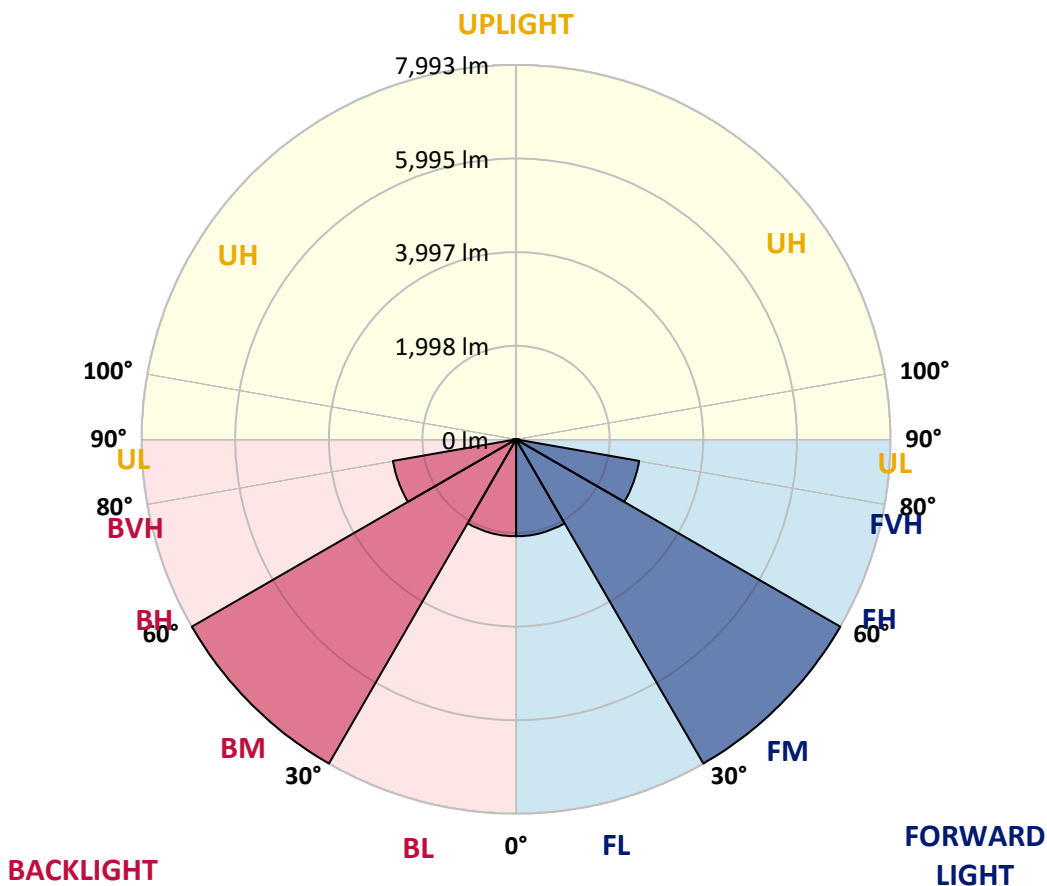
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2069.3	8.1			
FM (30°-60°)	7993.1	31.2			
FH (60°-80°)	2668.2	10.4			G2/5000
FVH (80°-90°)	67.7	0.3			G1/100
BL (0°-30°)	2069.3	8.1	B3/2500		
BM (30°-60°)	7993.1	31.2	B4/8500		
BH (60°-80°)	2668.2	10.4	B4/5000		G2/5000
BVH (80°-90°)	67.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8	4677.8
2.5°	4645.2	4649.5	4658.2	4664.7	4673.4	4682.1	4686.5	4677.8	4673.4	4656.0	4675.6
5°	4649.5	4653.9	4660.4	4660.4	4662.6	4669.1	4669.1	4658.2	4647.3	4627.8	4649.5
7.5°	4643.0	4647.3	4649.5	4647.3	4649.5	4651.7	4647.3	4634.3	4623.4	4606.1	4623.4
10°	4632.1	4636.5	4640.8	4636.5	4632.1	4638.7	4638.7	4630.0	4623.4	4606.1	4625.6
12.5°	4656.0	4662.6	4664.7	4653.9	4649.5	4651.7	4651.7	4643.0	4643.0	4627.8	4649.5
15°	4712.5	4716.9	4710.4	4697.3	4699.5	4706.0	4690.8	4669.1	4664.7	4658.2	4675.6
17.5°	4756.0	4760.3	4753.8	4745.1	4760.3	4775.5	4747.3	4706.0	4693.0	4688.6	4708.2
20°	4803.8	4810.3	4801.6	4812.5	4842.9	4860.3	4825.5	4769.0	4742.9	4736.4	4760.3
22.5°	4882.0	4890.7	4890.7	4914.6	4960.2	4988.5	4945.0	4869.0	4829.8	4819.0	4842.9
25°	5005.8	5012.4	5018.9	5066.7	5140.5	5179.6	5110.1	5005.8	4951.5	4934.1	4947.2
27.5°	5177.5	5188.3	5199.2	5268.7	5360.0	5416.5	5316.5	5186.2	5118.8	5084.0	5110.1
30°	5381.7	5396.9	5423.0	5501.2	5629.4	5692.4	5564.2	5405.6	5329.6	5292.6	5327.4
32.5°	5659.8	5662.0	5681.5	5768.4	5937.9	6009.6	5848.8	5672.8	5594.6	5551.2	5570.7
35°	5990.1	5992.2	5961.8	6050.9	6233.4	6313.8	6124.8	5946.6	5881.4	5868.4	5918.4
37.5°	6329.0	6309.4	6279.0	6318.1	6502.8	6554.9	6355.1	6203.0	6174.7	6198.6	6272.5
40°	6570.2	6537.6	6476.7	6505.0	6691.8	6752.7	6539.7	6396.3	6387.7	6446.3	6535.4
42.5°	6726.6	6691.8	6620.1	6620.1	6748.3	6774.4	6609.3	6533.2	6552.8	6620.1	6704.9
45°	6802.6	6783.1	6741.8	6720.1	6791.8	6802.6	6676.6	6646.2	6683.1	6715.7	6780.9
47.5°	6861.3	6861.3	6848.3	6826.5	6859.1	6865.6	6772.2	6763.5	6811.3	6811.3	6854.8
50°	6965.6	6976.4	6993.8	6989.5	7024.2	7046.0	6976.4	6963.4	6983.0	6920.0	6941.7
52.5°	7239.3	7267.6	7317.6	7356.7	7445.7	7513.1	7389.3	7285.0	7182.8	7043.8	7048.1
55°	7730.4	7743.4	7841.2	7956.3	8106.2	8243.1	7988.9	7665.2	7443.6	7280.6	7282.8
57.5°	8145.3	8164.9	8308.3	8549.5	8886.2	9099.1	8536.4	7995.4	7682.6	7482.7	7489.2
60°	7786.9	7760.8	8032.4	8445.2	9055.7	9327.3	8497.3	7758.6	7308.9	7061.2	7078.6
62.5°	6024.8	5974.8	6276.8	6709.2	7441.4	7713.0	6948.2	6239.9	5814.1	5620.7	5592.5
65°	3667.5	3621.8	3839.1	4104.2	4599.5	4771.2	4421.4	4045.5	3674.0	3556.7	3524.1
67.5°	1996.7	1990.2	2048.8	2179.2	2396.5	2476.8	2409.5	2231.3	2135.7	2053.2	2053.2
70°	1583.9	1570.8	1560.0	1562.2	1581.7	1592.6	1594.7	1586.0	1596.9	1599.1	1590.4
72.5°	1312.3	1307.9	1286.2	1288.4	1279.7	1275.4	1290.6	1299.3	1316.6	1318.8	1318.8
75°	951.6	940.8	951.6	953.8	945.1	945.1	956.0	953.8	962.5	966.8	942.9
77.5°	541.0	541.0	556.2	573.6	586.6	586.6	597.5	597.5	608.3	606.2	601.8
80°	297.7	297.7	306.3	317.2	330.2	343.3	354.1	356.3	362.8	360.7	354.1
82.5°	169.5	171.6	176.0	182.5	195.5	206.4	217.3	219.4	226.0	226.0	219.4
85°	80.4	78.2	80.4	84.7	91.3	99.9	110.8	117.3	121.7	121.7	117.3
87.5°	15.2	17.4	15.2	17.4	19.6	26.1	30.4	34.8	41.3	43.5	39.1
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)