

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: P640823

Luminaire Tested: GWS-SA5E-760-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-760-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

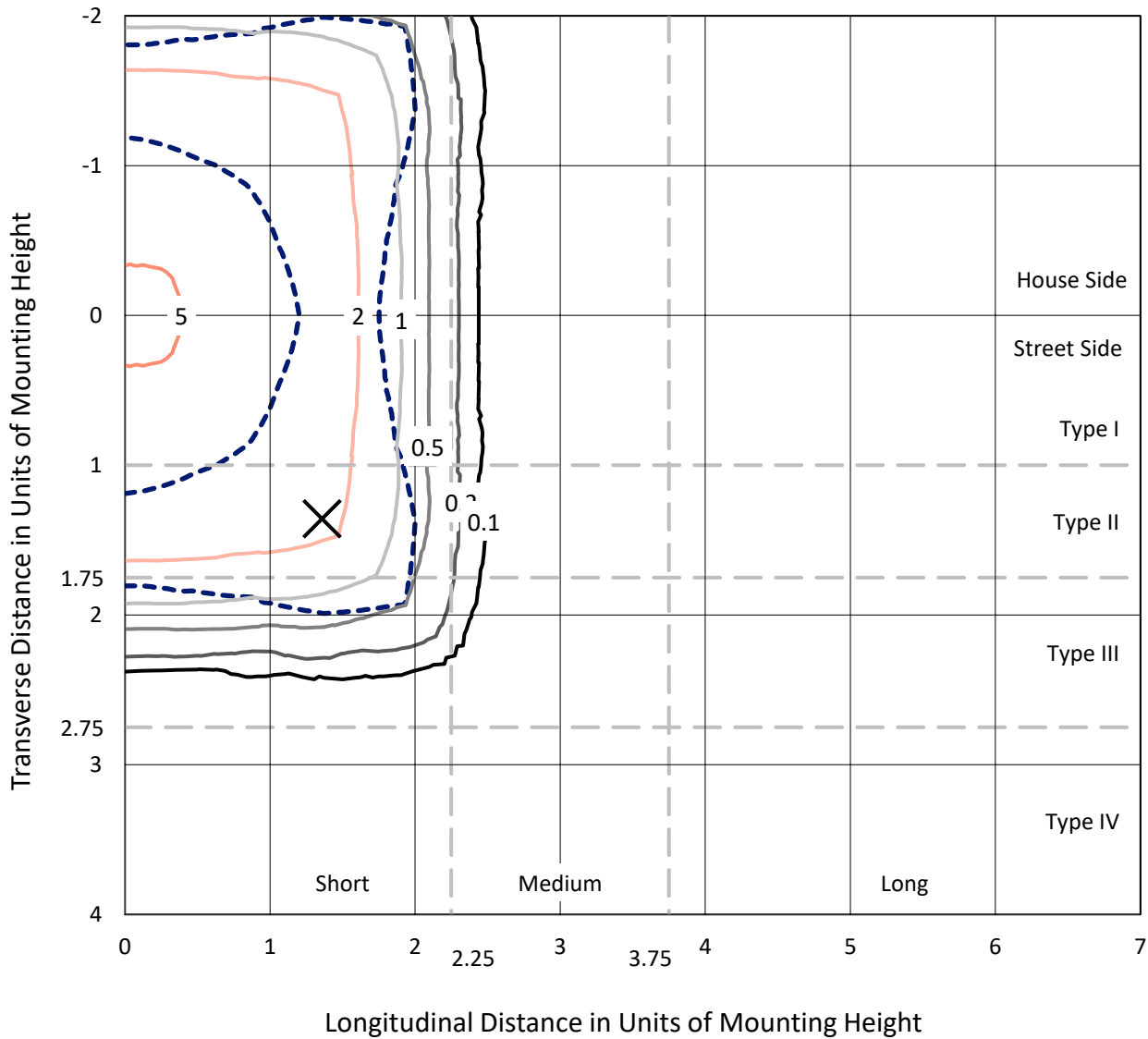
Lumens per Lamp: N/A  
Luminaire Lumens: 39586.5 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

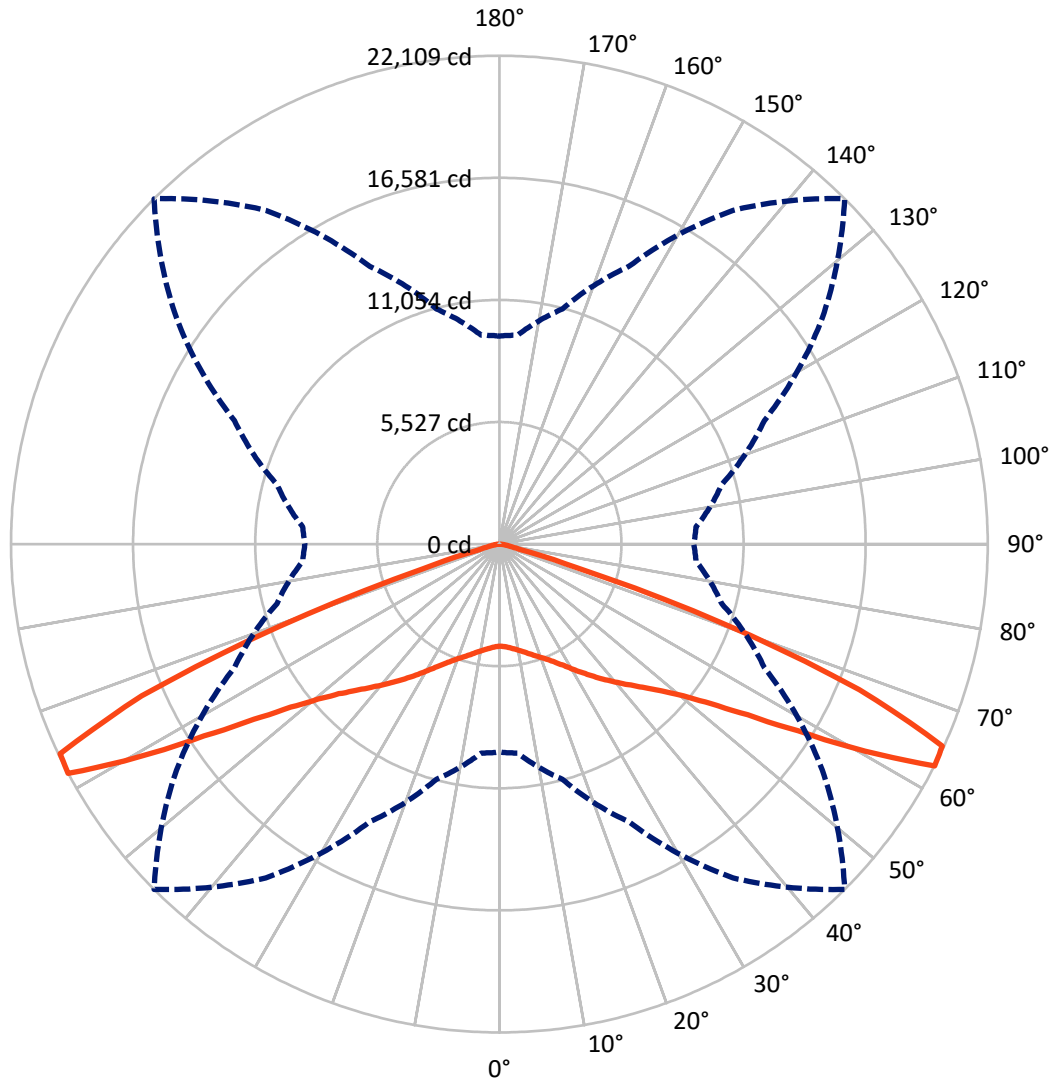
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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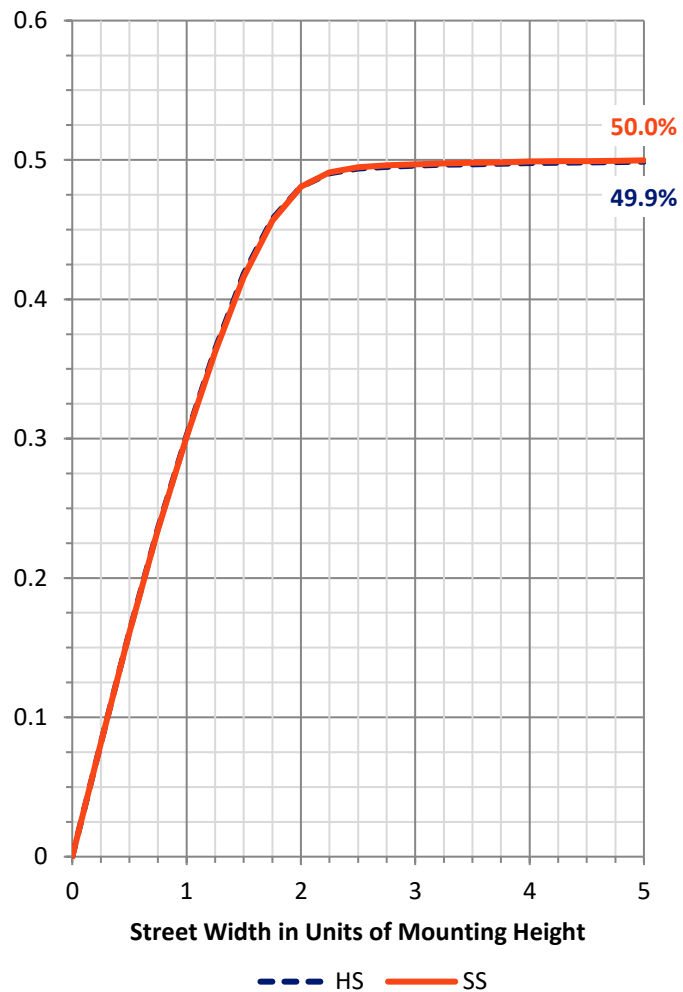
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19793.2	0.0	19793.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19793.2	0.0	19793.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39586.5	0.0	39586.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.1	1.1
10°-20°	1461.2	3.7
20°-30°	2764.5	7.0
30°-40°	4653.0	11.8
40°-50°	7434.1	18.8
50°-60°	11983.5	30.3
60°-70°	9777.2	24.7
70°-80°	949.4	2.4
80°-90°	110.5	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°	39586.5	100.0
0°-180°	39586.5	100.0

**Coefficient of Utilization**



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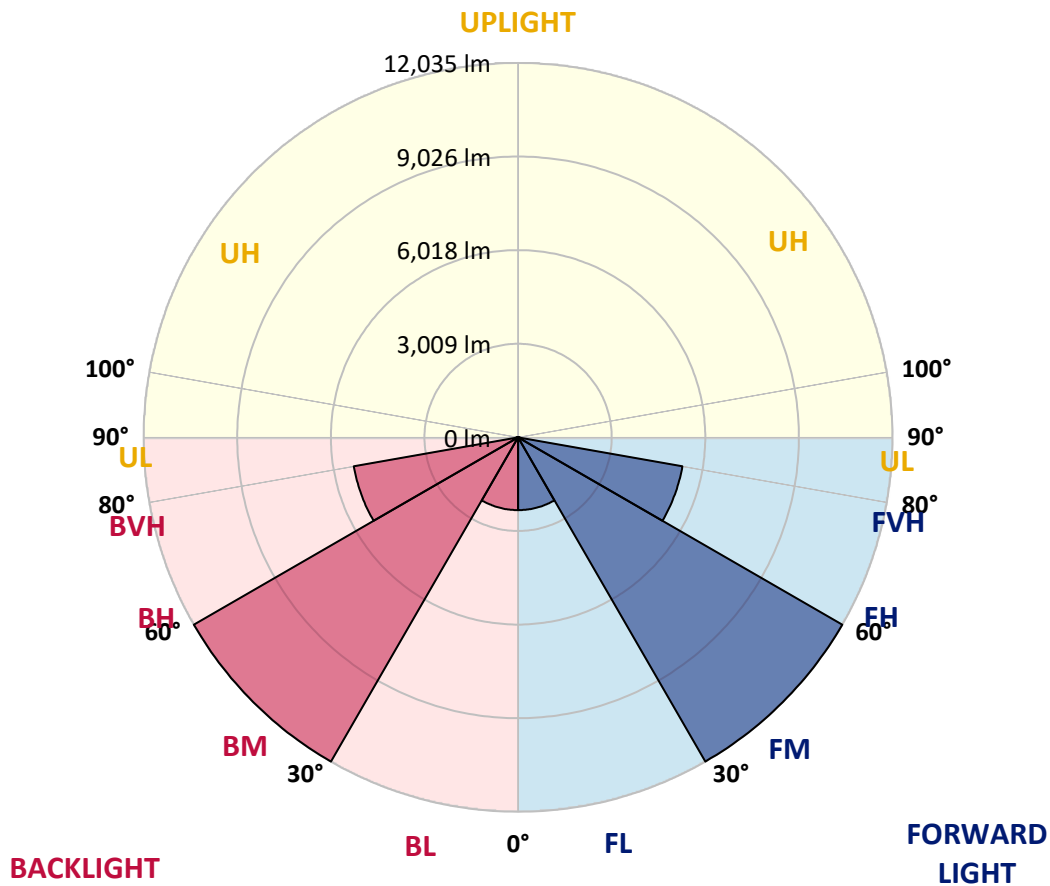
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2339.4	5.9			
FM (30°-60°)	12035.3	30.4			
FH (60°-80°)	5363.3	13.5			G3/7500
FVH (80°-90°)	55.2	0.1			G1/100
BL (0°-30°)	2339.4	5.9	B3/2500		
BM (30°-60°)	12035.3	30.4	B5		
BH (60°-80°)	5363.3	13.5	B5		G3/7500
BVH (80°-90°)	55.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3	4618.3
2.5°	4612.9	4612.9	4623.7	4631.9	4626.4	4648.2	4645.4	4640.0	4637.3	4629.2	4653.6
5°	4675.3	4675.3	4683.5	4691.6	4678.0	4705.2	4694.3	4688.9	4686.2	4675.3	4697.0
7.5°	4745.9	4754.1	4756.8	4770.3	4762.2	4792.1	4783.9	4773.1	4767.6	4754.1	4773.1
10°	4824.6	4830.1	4832.8	4857.2	4859.9	4895.2	4887.1	4873.5	4862.7	4849.1	4876.2
12.5°	4930.5	4933.2	4941.4	4971.3	4979.4	5006.6	5003.8	4984.8	4971.3	4952.3	4982.1
15°	5066.3	5069.0	5082.6	5112.4	5126.0	5158.6	5147.7	5117.9	5098.9	5077.1	5101.6
17.5°	5207.5	5218.3	5231.9	5261.8	5280.8	5318.8	5305.2	5272.6	5256.3	5234.6	5250.9
20°	5389.4	5392.1	5400.2	5432.8	5446.4	5489.8	5492.5	5460.0	5451.8	5430.1	5454.5
22.5°	5590.3	5593.0	5601.1	5636.4	5660.9	5688.0	5704.3	5685.3	5671.7	5644.6	5674.5
25°	5812.9	5840.1	5848.2	5891.7	5918.8	5935.1	5954.1	5946.0	5927.0	5894.4	5907.9
27.5°	6125.2	6130.6	6144.2	6193.0	6209.3	6225.6	6244.6	6247.3	6220.2	6182.2	6201.2
30°	6480.8	6478.1	6508.0	6546.0	6559.6	6573.1	6600.3	6616.6	6581.3	6540.6	6559.6
32.5°	6844.6	6877.2	6915.2	6950.5	6942.4	6947.8	6991.3	7021.1	6972.2	6898.9	6915.2
35°	7254.6	7276.3	7325.2	7376.8	7365.9	7357.8	7384.9	7414.8	7346.9	7251.9	7276.3
37.5°	7675.4	7708.0	7781.3	7843.8	7827.5	7789.5	7819.3	7851.9	7786.8	7678.2	7667.3
40°	8145.1	8196.7	8302.6	8354.2	8310.8	8237.5	8289.0	8367.8	8302.6	8177.7	8147.9
42.5°	8696.3	8758.7	8864.6	8943.4	8848.3	8728.9	8815.8	8929.8	8913.5	8747.9	8696.3
45°	9377.8	9418.5	9548.8	9586.8	9445.7	9280.0	9437.5	9611.3	9570.5	9391.4	9323.5
47.5°	10119.0	10181.4	10295.5	10366.1	10138.0	9931.7	10151.6	10385.1	10341.6	10173.3	10094.6
50°	11063.8	11145.3	11294.6	11354.3	11039.4	10803.2	11085.5	11381.5	11297.3	11072.0	10968.8
52.5°	12092.8	12158.0	12413.2	12532.7	12236.7	11981.5	12228.6	12519.1	12339.9	12041.2	11902.8
55°	12999.7	13064.8	13439.5	13835.9	13822.3	13645.8	13770.7	13776.2	13290.2	12796.0	12649.4
57.5°	13195.1	13260.3	13974.4	15011.5	15744.6	15948.2	15581.7	14810.6	13586.1	12720.0	12554.4
60°	12152.6	12225.9	13360.8	15255.9	17666.8	19027.1	17338.3	14788.9	12671.1	11498.2	11340.8
62.5°	9415.8	9494.5	11020.4	13865.8	18443.3	22108.6	17848.7	13233.2	10423.1	8937.9	8799.5
65°	4496.1	4496.1	6434.7	9945.2	16895.8	22035.3	16371.7	9790.5	6274.5	4819.2	4699.8
67.5°	1113.2	1118.6	1656.2	3871.7	11492.8	17585.4	11680.1	4699.8	2210.1	1563.9	1523.1
70°	695.1	692.3	768.4	1048.0	4021.0	10672.9	4775.8	1417.3	898.7	792.8	787.4
72.5°	540.3	540.3	578.3	670.6	1053.4	3635.5	1392.8	787.4	651.6	586.5	586.5
75°	426.3	426.3	453.4	502.3	621.7	936.7	741.2	583.7	505.0	461.6	456.1
77.5°	317.7	323.1	344.8	377.4	423.5	526.7	469.7	439.8	393.7	361.1	350.2
80°	206.3	214.5	241.6	260.6	276.9	347.5	306.8	320.4	298.7	260.6	255.2
82.5°	111.3	114.0	146.6	152.0	157.5	190.1	195.5	203.6	211.8	165.6	154.8
85°	40.7	40.7	48.9	57.0	62.4	67.9	92.3	114.0	119.5	95.0	92.3
87.5°	8.1	8.1	8.1	5.4	5.4	5.4	16.3	29.9	48.9	38.0	38.0
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)