

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: P640826

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-760-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

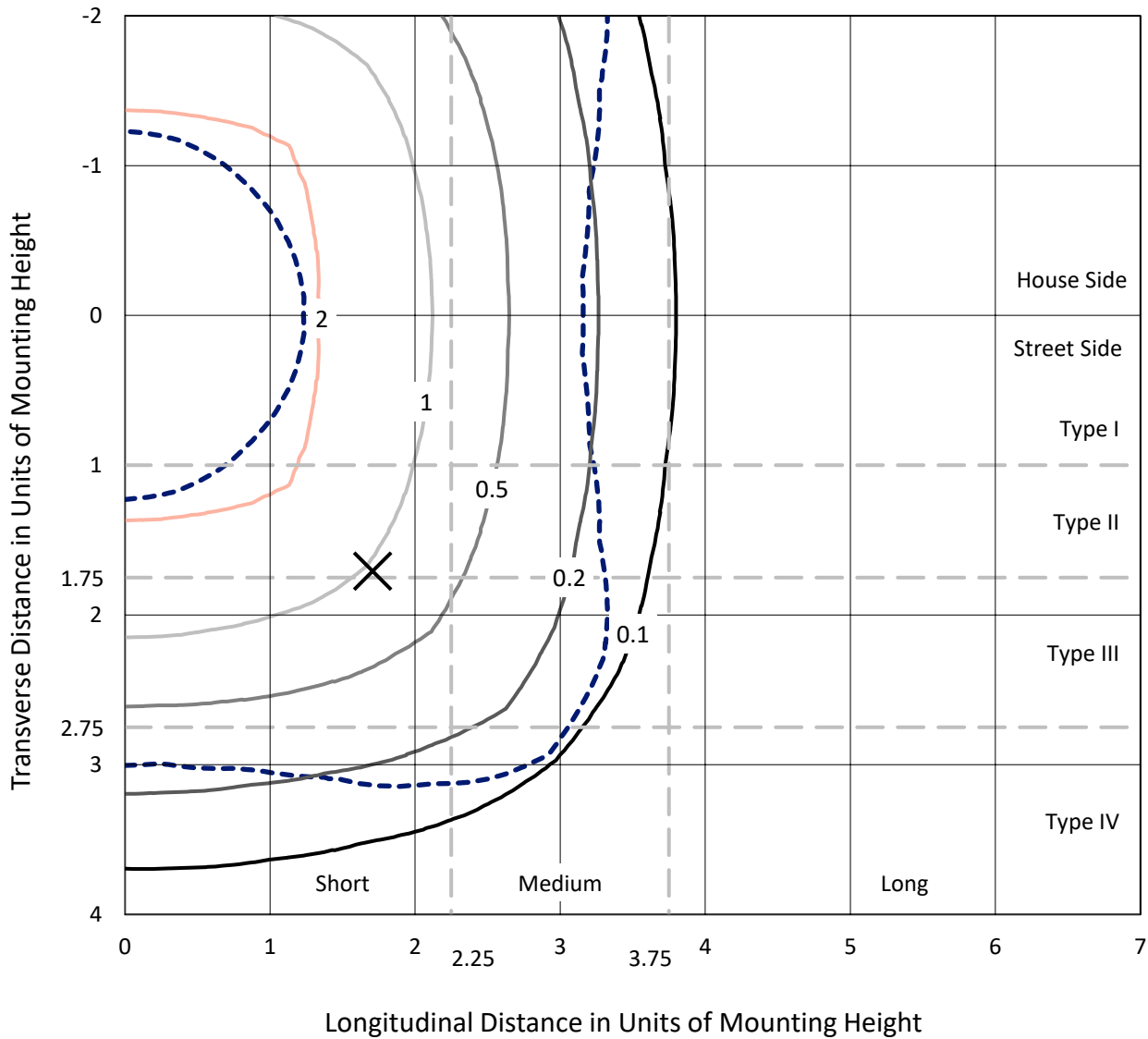
Lumens per Lamp: N/A  
Luminaire Lumens: 38397.3 lumens  
Efficiency: N/A  
Efficacy: 142.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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

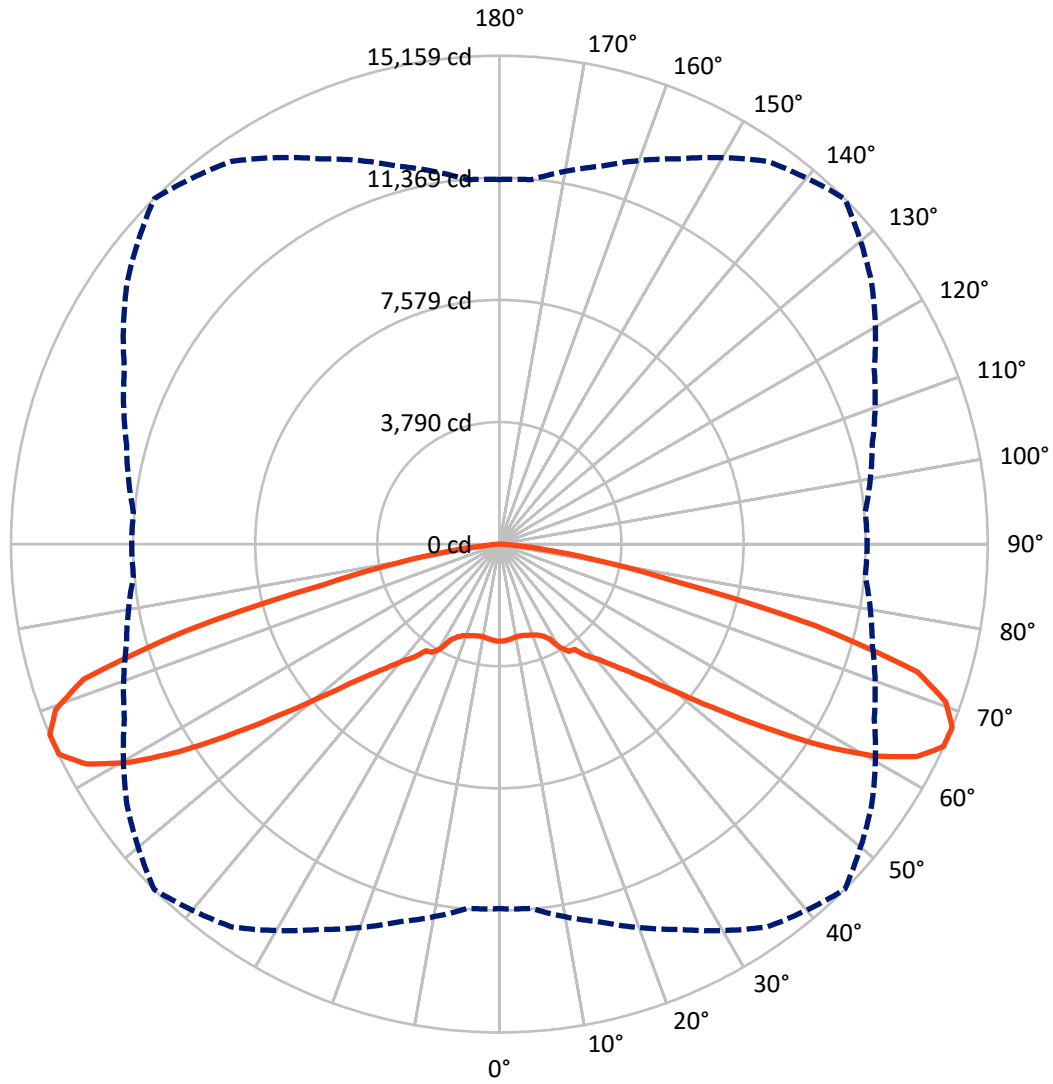
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19198.7	0.0	19198.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19198.7	0.0	19198.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38397.3	0.0	38397.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.7	0.7
10°-20°	839.0	2.2
20°-30°	1505.0	3.9
30°-40°	2542.5	6.6
40°-50°	4467.1	11.6
50°-60°	8617.2	22.4
60°-70°	12502.3	32.6
70°-80°	7153.3	18.6
80°-90°	488.2	1.3
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°	38397.3	100.0
0°-180°	38397.3	100.0

**Coefficient of Utilization**



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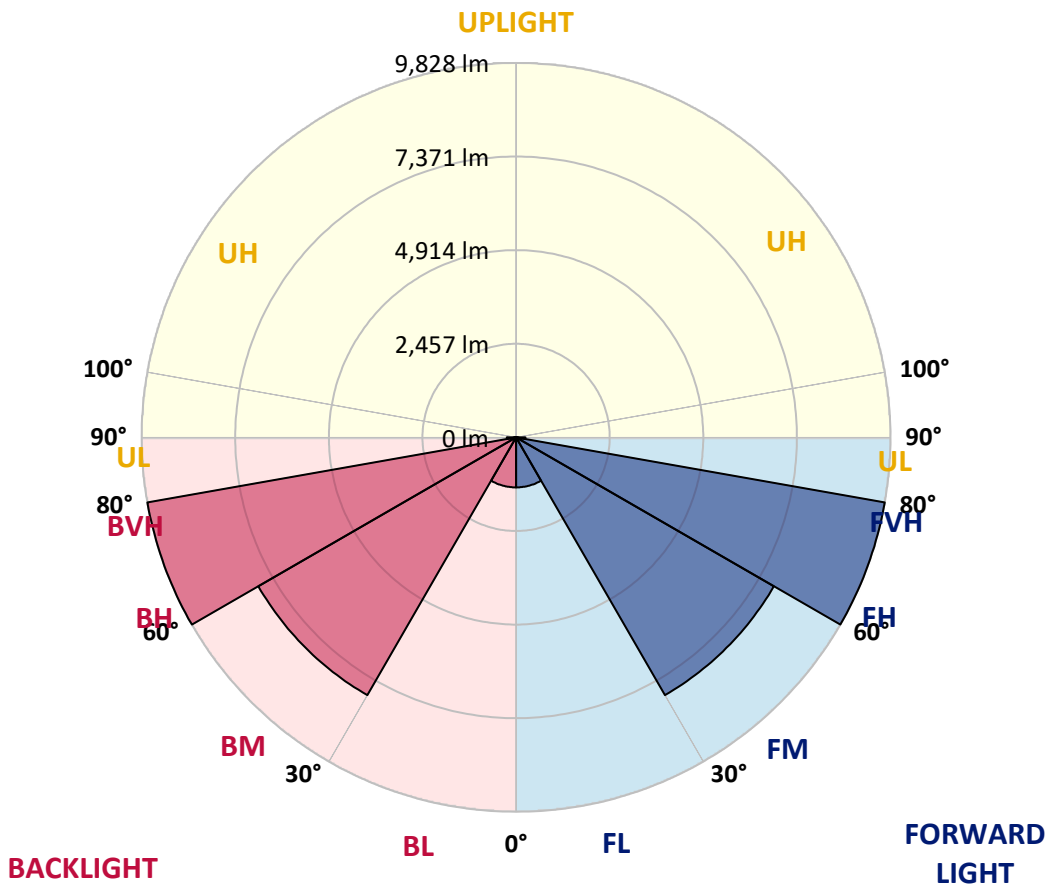
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1313.4	3.4			
FM (30°-60°)	7813.3	20.3			
FH (60°-80°)	9827.8	25.6			G4/12000
FVH (80°-90°)	244.1	0.6			G3/500
BL (0°-30°)	1313.4	3.4	B3/2500		
BM (30°-60°)	7813.3	20.3	B4/8500		
BH (60°-80°)	9827.8	25.6	B5		G4/12000
BVH (80°-90°)	244.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1	3011.1
2.5°	2986.7	2989.4	2994.8	2994.8	3000.3	3008.4	3011.1	3005.7	3008.4	2994.8	3008.4
5°	2978.5	2981.3	2984.0	2978.5	2978.5	2981.3	2981.3	2975.8	2978.5	2965.0	2978.5
7.5°	2959.5	2962.3	2962.3	2954.1	2946.0	2951.4	2951.4	2946.0	2948.7	2935.1	2951.4
10°	2943.3	2943.3	2940.5	2924.2	2916.1	2924.2	2927.0	2929.7	2940.5	2929.7	2948.7
12.5°	2954.1	2954.1	2946.0	2924.2	2910.7	2916.1	2921.5	2927.0	2946.0	2943.3	2965.0
15°	2984.0	2986.7	2965.0	2940.5	2932.4	2940.5	2935.1	2932.4	2956.8	2965.0	2989.4
17.5°	3008.4	3008.4	2981.3	2956.8	2959.5	2973.1	2962.3	2948.7	2973.1	2989.4	3016.6
20°	3030.1	3027.4	2997.6	2981.3	2992.1	3011.1	3003.0	2984.0	3000.3	3019.3	3043.7
22.5°	3084.4	3081.7	3049.1	3041.0	3051.9	3070.9	3062.7	3046.4	3065.4	3092.6	3122.5
25°	3239.2	3233.8	3184.9	3157.8	3152.3	3165.9	3163.2	3157.8	3187.6	3220.2	3255.5
27.5°	3445.6	3442.8	3407.5	3380.4	3345.1	3334.2	3342.4	3366.8	3410.3	3434.7	3464.6
30°	3548.7	3548.7	3543.3	3586.7	3662.8	3736.1	3679.1	3586.7	3548.7	3537.9	3567.7
32.5°	3684.5	3698.1	3679.1	3727.9	3855.6	3964.2	3855.6	3706.2	3679.1	3679.1	3711.6
35°	3996.7	4002.2	3972.3	3964.2	4004.9	4018.5	3966.9	3912.6	3942.4	3947.9	3988.6
37.5°	4246.5	4246.5	4233.0	4254.7	4338.9	4390.4	4306.3	4208.5	4216.7	4222.1	4273.7
40°	4632.1	4643.0	4610.4	4607.7	4640.2	4686.4	4596.8	4534.3	4577.8	4591.4	4670.1
42.5°	5112.7	5112.7	5063.8	5050.2	5072.0	5120.8	5036.7	4995.9	5052.9	5063.8	5110.0
45°	5685.6	5699.2	5634.0	5609.6	5620.4	5636.7	5577.0	5558.0	5612.3	5636.7	5718.2
47.5°	6383.4	6397.0	6339.9	6337.2	6326.4	6337.2	6280.2	6269.3	6312.8	6293.8	6380.7
50°	7244.1	7268.5	7219.7	7287.5	7279.4	7312.0	7233.2	7176.2	7176.2	7124.6	7173.5
52.5°	8208.0	8256.9	8281.3	8395.3	8482.2	8563.7	8433.3	8343.7	8213.4	8107.5	8240.6
55°	9258.8	9245.2	9399.9	9649.7	9905.0	10097.7	9842.5	9560.1	9348.4	9128.4	9180.0
57.5°	10179.2	10225.4	10429.0	10885.1	11390.2	11797.4	11338.6	10795.5	10315.0	10000.0	10043.4
60°	10944.9	10982.9	11254.4	11911.5	12793.9	13356.0	12628.3	11732.3	11034.5	10600.1	10646.2
62.5°	11650.8	11686.1	11960.4	12685.3	13798.5	14531.6	13592.2	12367.6	11591.1	11154.0	11181.1
65°	12058.1	12079.8	12454.5	13217.5	14390.4	15148.0	14089.1	12826.5	12063.5	11618.2	11634.5
67.5°	11316.9	11352.2	12142.3	13195.8	14504.5	15158.8	14110.8	12840.1	11982.1	11401.0	11414.6
70°	8927.5	8897.6	9839.8	11650.8	13850.1	14702.7	13483.6	11876.2	10551.2	9739.3	9725.8
72.5°	6807.0	6815.1	7339.1	8580.0	11292.4	13567.7	11897.9	9562.9	8134.7	7518.3	7493.9
75°	4936.2	5012.2	5438.5	6348.1	7898.5	10141.2	8957.4	7086.6	6130.9	5761.6	5707.3
77.5°	2223.7	2321.5	2916.1	3985.9	5281.0	5604.1	5625.8	4811.3	3630.2	3016.6	2921.5
80°	648.9	695.1	893.3	1528.6	2460.0	3179.5	2525.1	2123.3	1322.3	1037.2	988.3
82.5°	274.2	312.2	382.8	423.6	714.1	1474.3	917.7	583.8	543.0	439.9	401.8
85°	116.8	124.9	160.2	171.1	230.8	315.0	290.5	263.4	252.5	195.5	179.2
87.5°	48.9	48.9	48.9	43.4	40.7	43.4	59.7	76.0	100.5	78.7	73.3
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)