

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: P640218

Luminaire Tested: GWS-SA5D-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640218  
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-SA5D-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

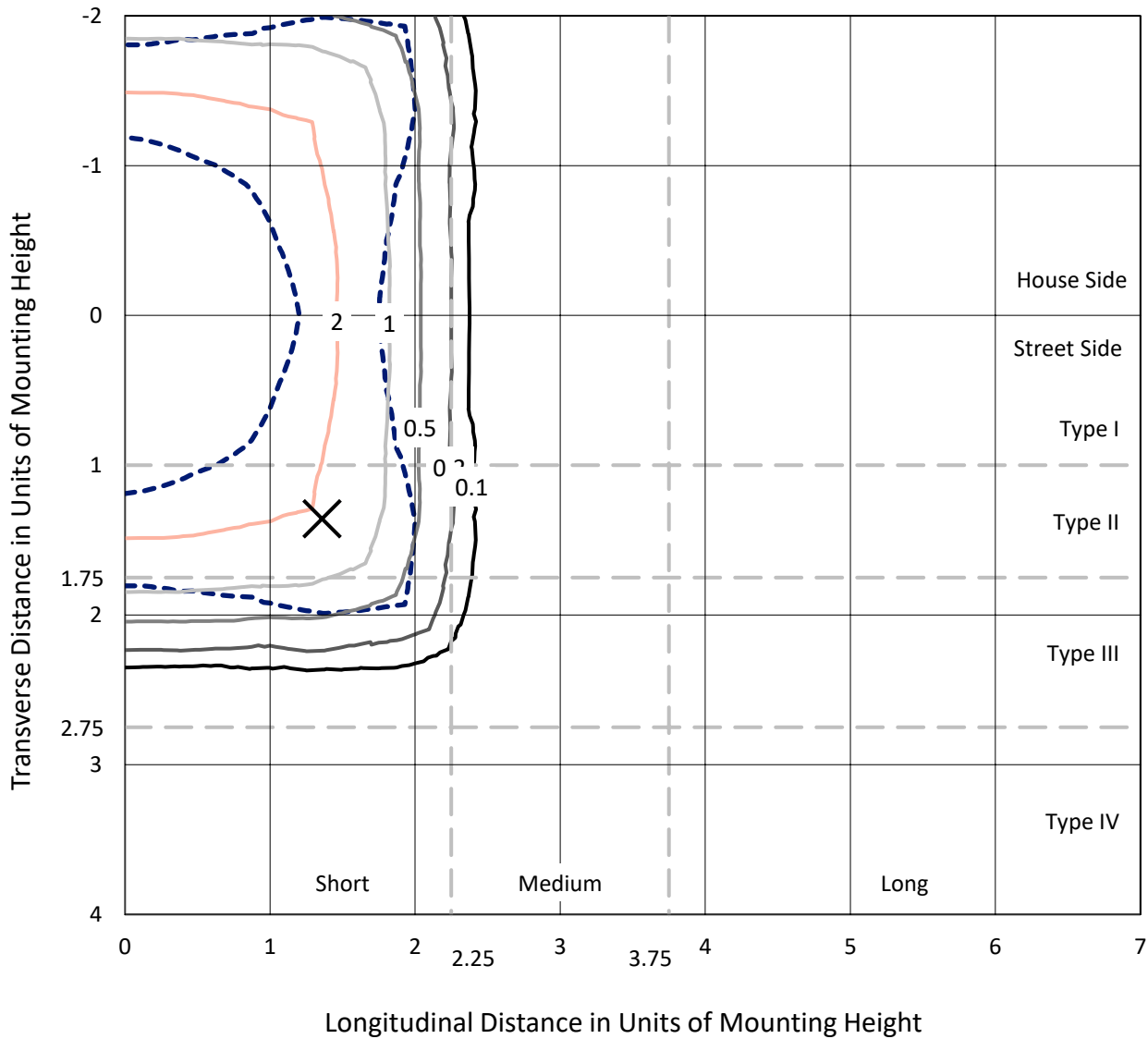
Lumens per Lamp: N/A  
Luminaire Lumens: 31398.7 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

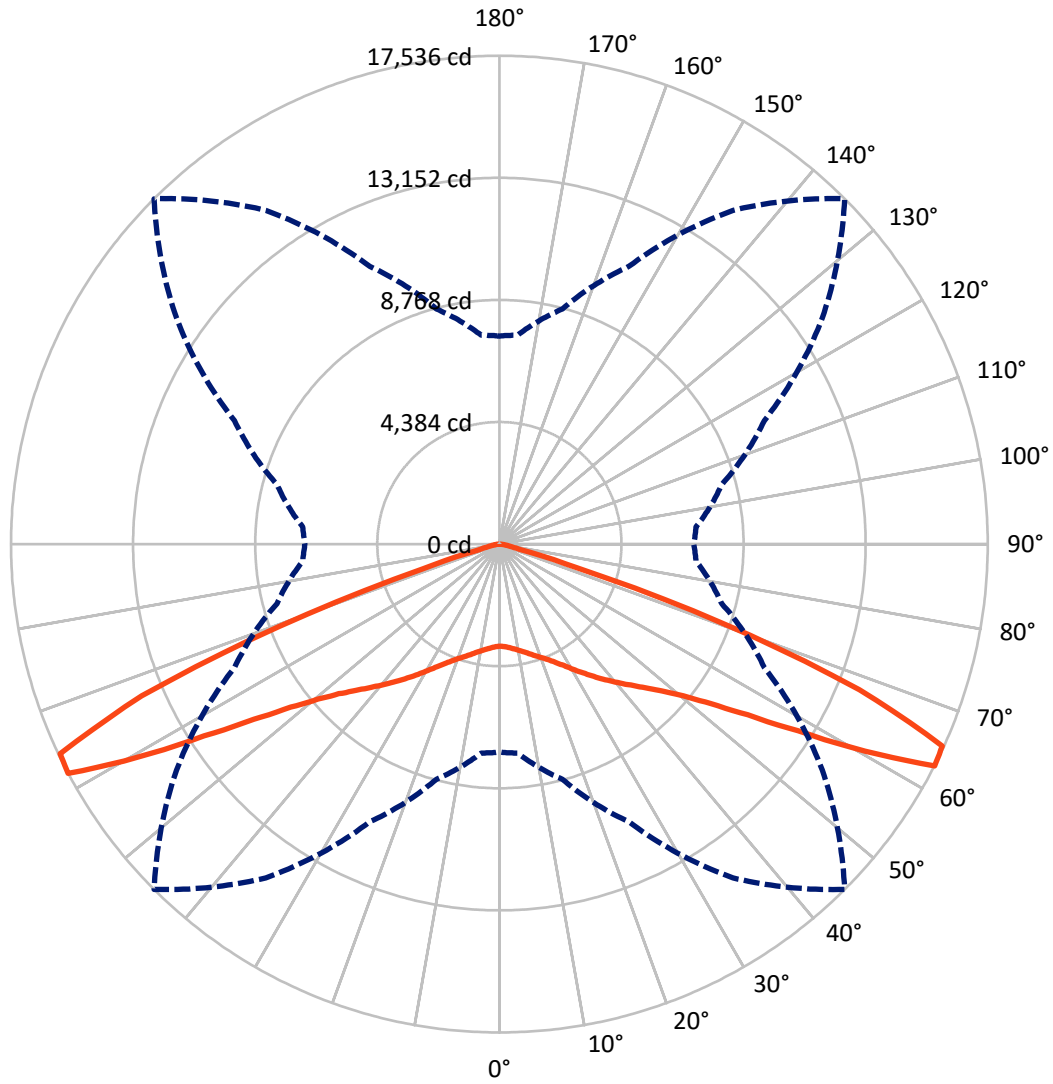
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.1 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	15699.3	0.0	15699.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15699.3	0.0	15699.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31398.7	0.0	31398.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.4	1.1
10°-20°	1159.0	3.7
20°-30°	2192.7	7.0
30°-40°	3690.6	11.8
40°-50°	5896.5	18.8
50°-60°	9504.9	30.3
60°-70°	7754.9	24.7
70°-80°	753.1	2.4
80°-90°	87.6	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°	31398.7	100.0
0°-180°	31398.7	100.0

**Coefficient of Utilization**



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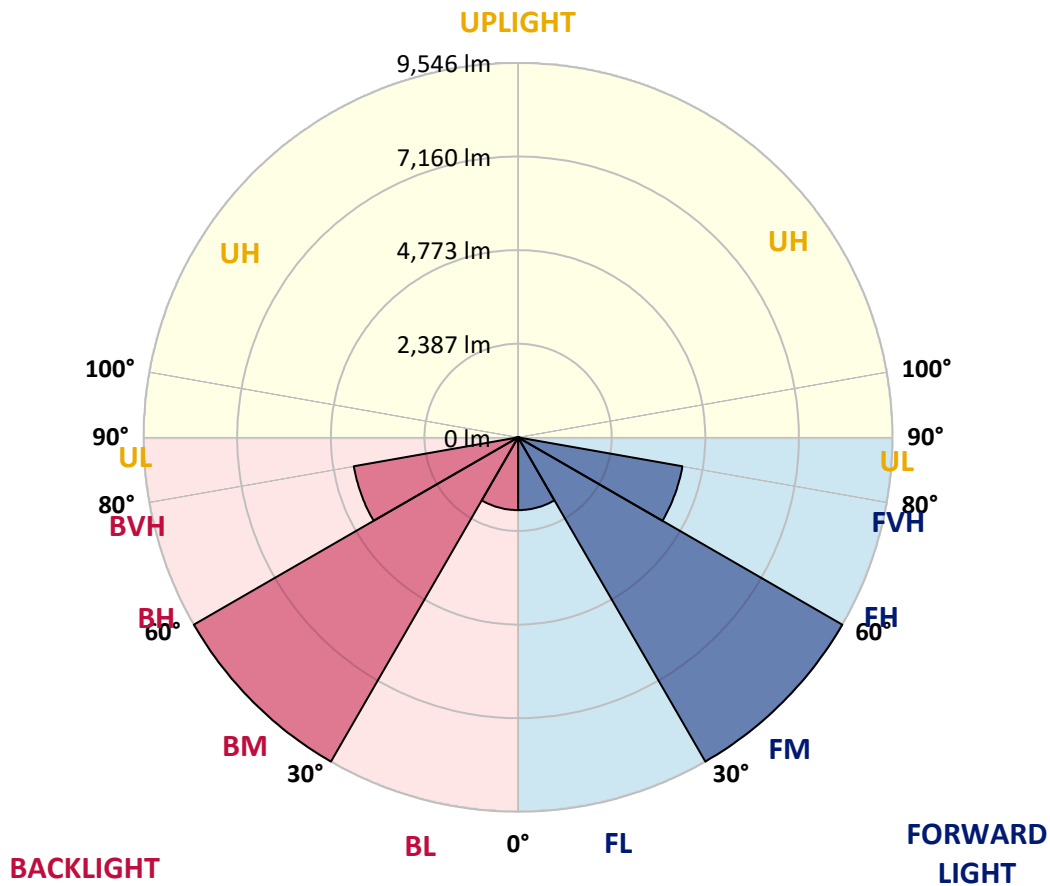
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1855.5	5.9			
FM (30°-60°)	9546.0	30.4			
FH (60°-80°)	4254.0	13.5			G2/5000
FVH (80°-90°)	43.8	0.1			G1/100
BL (0°-30°)	1855.5	5.9	B3/2500		
BM (30°-60°)	9546.0	30.4	B5		
BH (60°-80°)	4254.0	13.5	B4/5000		G2/5000
BVH (80°-90°)	43.8	0.1			G1/100
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°	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1	3663.1
2.5°	3658.8	3658.8	3667.4	3673.8	3669.5	3686.8	3684.6	3680.3	3678.2	3671.7	3691.1
5°	3708.3	3708.3	3714.8	3721.2	3710.5	3732.0	3723.4	3719.1	3716.9	3708.3	3725.5
7.5°	3764.3	3770.8	3772.9	3783.7	3777.2	3800.9	3794.4	3785.8	3781.5	3770.8	3785.8
10°	3826.7	3831.1	3833.2	3852.6	3854.7	3882.7	3876.3	3865.5	3856.9	3846.1	3867.7
12.5°	3910.7	3912.9	3919.3	3943.0	3949.5	3971.0	3968.9	3953.8	3943.0	3928.0	3951.6
15°	4018.4	4020.6	4031.3	4055.0	4065.8	4091.6	4083.0	4059.3	4044.2	4027.0	4046.4
17.5°	4130.4	4139.0	4149.8	4173.5	4188.5	4218.7	4207.9	4182.1	4169.2	4151.9	4164.8
20°	4274.7	4276.8	4283.3	4309.1	4319.9	4354.4	4356.5	4330.7	4324.2	4307.0	4326.4
22.5°	4434.0	4436.2	4442.6	4470.6	4490.0	4511.6	4524.5	4509.4	4498.6	4477.1	4500.8
25°	4610.6	4632.2	4638.6	4673.1	4694.6	4707.5	4722.6	4716.1	4701.1	4675.2	4686.0
27.5°	4858.3	4862.6	4873.3	4912.1	4925.0	4937.9	4953.0	4955.2	4933.6	4903.5	4918.6
30°	5140.4	5138.2	5161.9	5192.1	5202.8	5213.6	5235.1	5248.0	5220.1	5187.8	5202.8
32.5°	5428.9	5454.8	5484.9	5512.9	5506.5	5510.8	5545.2	5568.9	5530.2	5472.0	5484.9
35°	5754.1	5771.3	5810.1	5851.0	5842.4	5836.0	5857.5	5881.2	5827.3	5752.0	5771.3
37.5°	6087.9	6113.8	6171.9	6221.4	6208.5	6178.4	6202.0	6227.9	6176.2	6090.1	6081.4
40°	6460.5	6501.4	6585.4	6626.3	6591.8	6533.7	6574.6	6637.0	6585.4	6486.3	6462.6
42.5°	6897.6	6947.1	7031.1	7093.6	7018.2	6923.5	6992.4	7082.8	7069.9	6938.5	6897.6
45°	7438.1	7470.4	7573.8	7604.0	7492.0	7360.6	7485.5	7623.3	7591.0	7448.9	7395.1
47.5°	8026.0	8075.6	8166.0	8222.0	8041.1	7877.5	8051.9	8237.1	8202.6	8069.1	8006.7
50°	8775.5	8840.1	8958.5	9005.9	8756.1	8568.7	8792.7	9027.4	8960.7	8781.9	8700.1
52.5°	9591.6	9643.3	9845.7	9940.5	9705.8	9503.3	9699.3	9929.7	9787.6	9550.7	9440.9
55°	10310.9	10362.6	10659.8	10974.2	10963.4	10823.4	10922.5	10926.8	10541.3	10149.4	10033.1
57.5°	10465.9	10517.6	11084.0	11906.6	12488.1	12649.6	12358.9	11747.3	10776.1	10089.1	9957.7
60°	9639.0	9697.2	10597.3	12100.4	14012.7	15091.6	13752.2	11730.0	10050.3	9120.0	8995.1
62.5°	7468.3	7530.7	8741.0	10997.9	14628.6	17535.8	14157.0	10496.1	8267.2	7089.3	6979.5
65°	3566.2	3566.2	5103.8	7888.2	13401.2	17477.7	12985.5	7765.5	4976.7	3822.4	3727.7
67.5°	882.9	887.2	1313.6	3070.9	9115.7	13948.1	9264.3	3727.7	1752.9	1240.4	1208.1
70°	551.3	549.1	609.4	831.2	3189.3	8465.4	3788.0	1124.1	712.8	628.8	624.5
72.5°	428.5	428.5	458.7	531.9	835.6	2883.5	1104.7	624.5	516.8	465.2	465.2
75°	338.1	338.1	359.6	398.4	493.1	743.0	587.9	463.0	400.5	366.1	361.8
77.5°	252.0	256.3	273.5	299.3	335.9	417.8	372.6	348.9	312.3	286.4	277.8
80°	163.7	170.1	191.7	206.7	219.7	275.6	243.3	254.1	236.9	206.7	202.4
82.5°	88.3	90.4	116.3	120.6	124.9	150.7	155.1	161.5	168.0	131.4	122.7
85°	32.3	32.3	38.8	45.2	49.5	53.8	73.2	90.4	94.8	75.4	73.2
87.5°	6.5	6.5	6.5	4.3	4.3	4.3	12.9	23.7	38.8	30.1	30.1
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)