

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: P640215

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640215  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

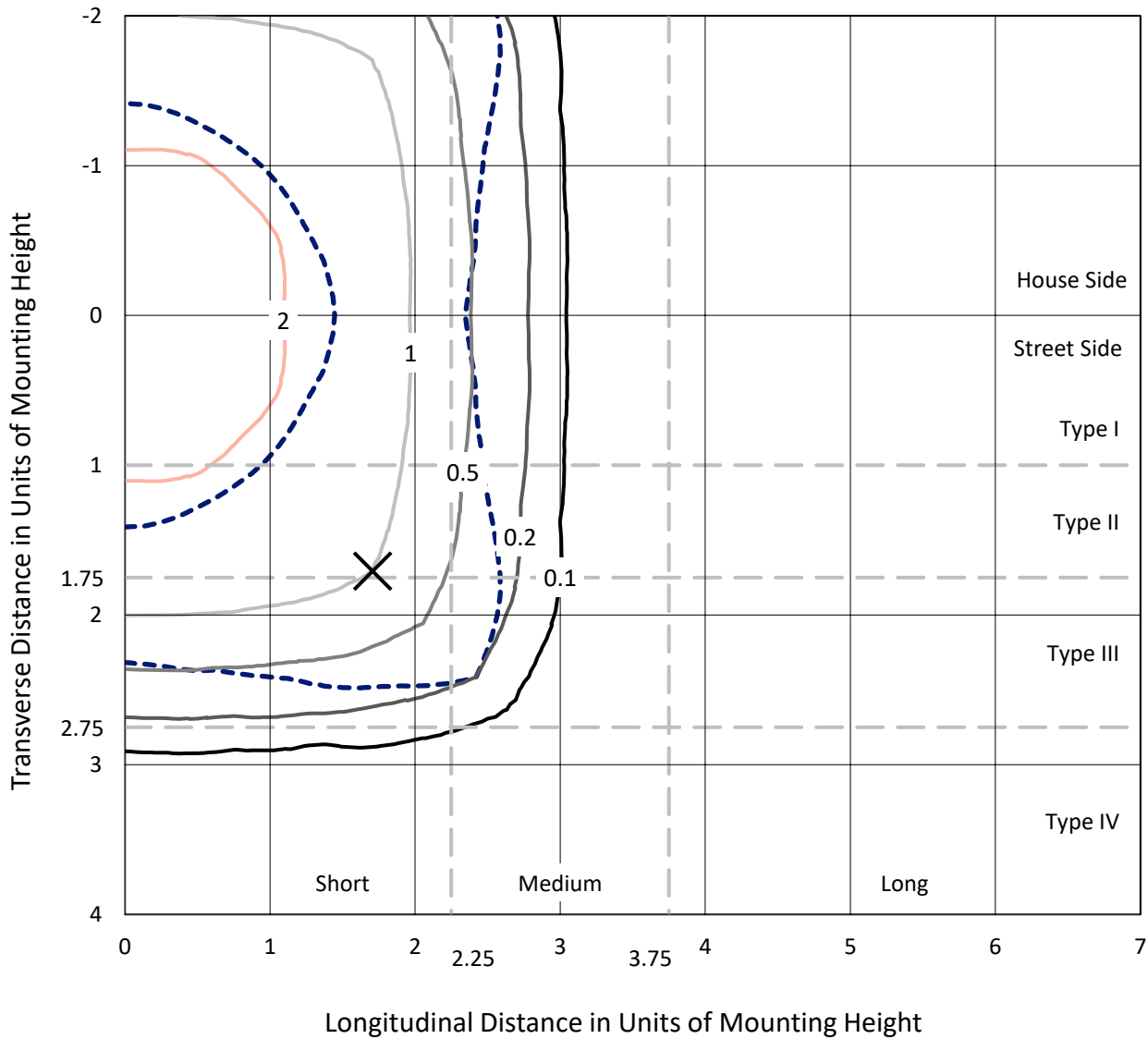
Lumens per Lamp: N/A  
Luminaire Lumens: 31110.1 lumens  
Efficiency: N/A  
Efficacy: 152.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

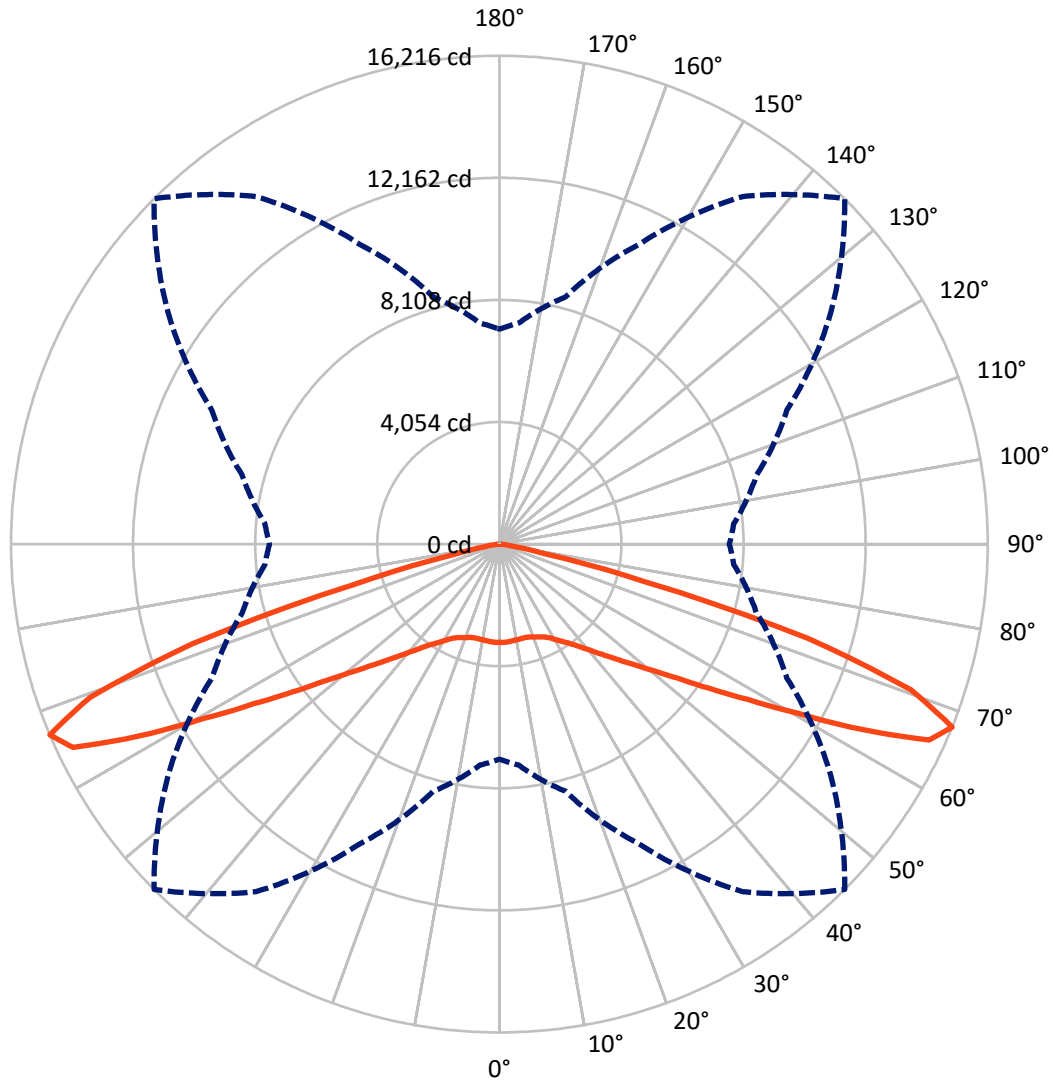
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.6 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	15555.0	0.0	15555.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15555.0	0.0	15555.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31110.1	0.0	31110.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.4	1.0
10°-20°	905.7	2.9
20°-30°	1562.1	5.0
30°-40°	2540.1	8.2
40°-50°	4277.0	13.7
50°-60°	7578.1	24.4
60°-70°	10832.3	34.8
70°-80°	2973.0	9.6
80°-90°	133.2	0.4
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°	31110.1	100.0
0°-180°	31110.1	100.0

**Coefficient of Utilization**



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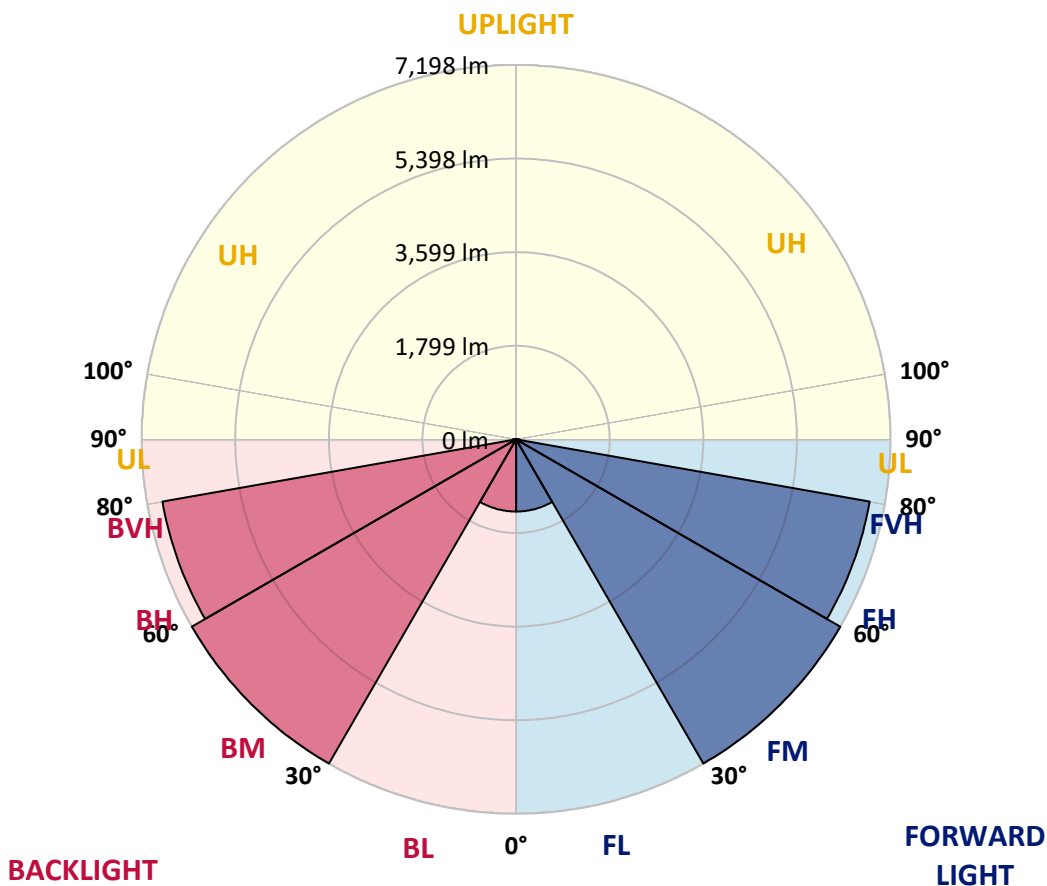
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1388.1	4.5			
FM (30°-60°)	7197.6	23.1			
FH (60°-80°)	6902.7	22.2			G3/7500
FVH (80°-90°)	66.6	0.2			G1/100
BL (0°-30°)	1388.1	4.5	B3/2500		
BM (30°-60°)	7197.6	23.1	B4/8500		
BH (60°-80°)	6902.7	22.2	B5		G3/7500
BVH (80°-90°)	66.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**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°	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2	3258.2
2.5°	3236.7	3234.5	3245.3	3251.8	3249.6	3264.7	3262.5	3258.2	3258.2	3251.8	3269.0
5°	3236.7	3234.5	3243.2	3245.3	3241.0	3253.9	3249.6	3245.3	3245.3	3236.7	3251.8
7.5°	3219.5	3221.6	3228.1	3232.4	3228.1	3238.9	3232.4	3223.8	3221.6	3213.0	3228.1
10°	3187.2	3189.3	3195.8	3206.6	3208.7	3228.1	3217.3	3202.2	3195.8	3187.2	3202.2
12.5°	3167.8	3169.9	3176.4	3189.3	3193.6	3219.5	3208.7	3185.0	3174.2	3165.6	3180.7
15°	3163.5	3165.6	3174.2	3187.2	3193.6	3219.5	3208.7	3180.7	3165.6	3154.9	3167.8
17.5°	3163.5	3167.8	3180.7	3200.1	3213.0	3238.9	3225.9	3193.6	3172.1	3152.7	3165.6
20°	3165.6	3172.1	3191.5	3219.5	3251.8	3288.4	3271.2	3228.1	3197.9	3174.2	3182.9
22.5°	3185.0	3195.8	3219.5	3256.1	3303.5	3346.5	3331.5	3273.3	3230.2	3197.9	3206.6
25°	3251.8	3256.1	3286.2	3333.6	3378.8	3415.4	3400.4	3346.5	3292.7	3253.9	3264.7
27.5°	3370.2	3381.0	3406.8	3456.4	3495.1	3514.5	3512.3	3475.7	3421.9	3387.4	3396.1
30°	3512.3	3523.1	3557.6	3613.6	3652.3	3673.9	3667.4	3639.4	3589.9	3542.5	3551.1
32.5°	3678.2	3682.5	3723.4	3785.8	3826.8	3859.1	3837.5	3807.4	3744.9	3688.9	3693.2
35°	3889.2	3895.7	3938.7	3996.9	4029.2	4055.0	4050.7	4020.6	3953.8	3893.5	3908.6
37.5°	4154.1	4158.4	4197.2	4270.4	4296.2	4315.6	4319.9	4304.8	4235.9	4158.4	4173.5
40°	4483.6	4485.7	4528.8	4593.4	4621.4	4634.3	4636.5	4638.6	4567.6	4509.4	4505.1
42.5°	4866.9	4877.7	4938.0	5000.4	5013.3	5006.9	5028.4	5049.9	4981.0	4901.4	4907.8
45°	5325.6	5332.0	5413.9	5482.8	5459.1	5437.6	5478.5	5521.6	5459.1	5355.7	5325.6
47.5°	5868.3	5881.2	5969.5	6038.4	5999.6	5960.9	6027.6	6072.9	5971.6	5861.8	5833.8
50°	6482.0	6490.6	6615.5	6701.7	6656.4	6585.4	6669.4	6716.7	6581.1	6445.4	6385.1
52.5°	7207.7	7190.5	7356.3	7507.1	7479.1	7386.5	7455.4	7464.0	7261.6	7069.9	7009.6
55°	8092.8	8075.6	8241.4	8407.2	8476.1	8452.5	8420.2	8368.5	8069.1	7864.6	7808.6
57.5°	9124.3	9070.5	9303.1	9527.1	9677.8	9720.9	9583.0	9462.4	9225.6	8973.6	8909.0
60°	10082.7	10080.5	10448.7	10836.4	11249.8	11422.1	11073.3	10745.9	10214.0	9755.3	9662.7
62.5°	10351.8	10397.1	11000.0	11960.5	12981.3	13590.7	12671.2	11587.9	10560.7	9869.5	9746.7
65°	9688.6	9800.5	10657.6	12173.7	14189.4	15679.6	13603.6	11607.3	10175.3	9313.9	9184.6
67.5°	7141.0	7364.9	8499.8	10985.0	14086.0	16215.8	13437.8	10532.7	8837.9	7812.9	7634.1
70°	3523.1	3736.3	4636.5	7227.1	11590.1	14495.2	11626.7	7937.8	5969.5	4983.2	4819.5
72.5°	1296.4	1382.5	1735.7	3092.4	6395.9	10707.2	7950.7	4434.0	2892.1	2302.1	2192.3
75°	635.3	650.4	704.2	1038.0	2360.2	5039.2	3736.3	1701.3	1063.8	926.0	895.9
77.5°	404.9	411.3	437.2	495.3	758.0	1587.1	1132.7	671.9	521.1	499.6	499.6
80°	226.1	232.6	267.0	307.9	355.3	544.8	407.0	402.7	342.4	299.3	292.9
82.5°	107.7	118.4	170.1	168.0	187.4	273.5	239.0	217.5	219.7	165.8	157.2
85°	49.5	49.5	66.8	79.7	84.0	92.6	109.8	124.9	122.7	84.0	90.4
87.5°	23.7	23.7	23.7	21.5	19.4	17.2	23.7	38.8	56.0	38.8	36.6
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)