

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: P639226

Luminaire Tested: GWS-SA5B-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639226  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-740-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12494.4 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 115.7  
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

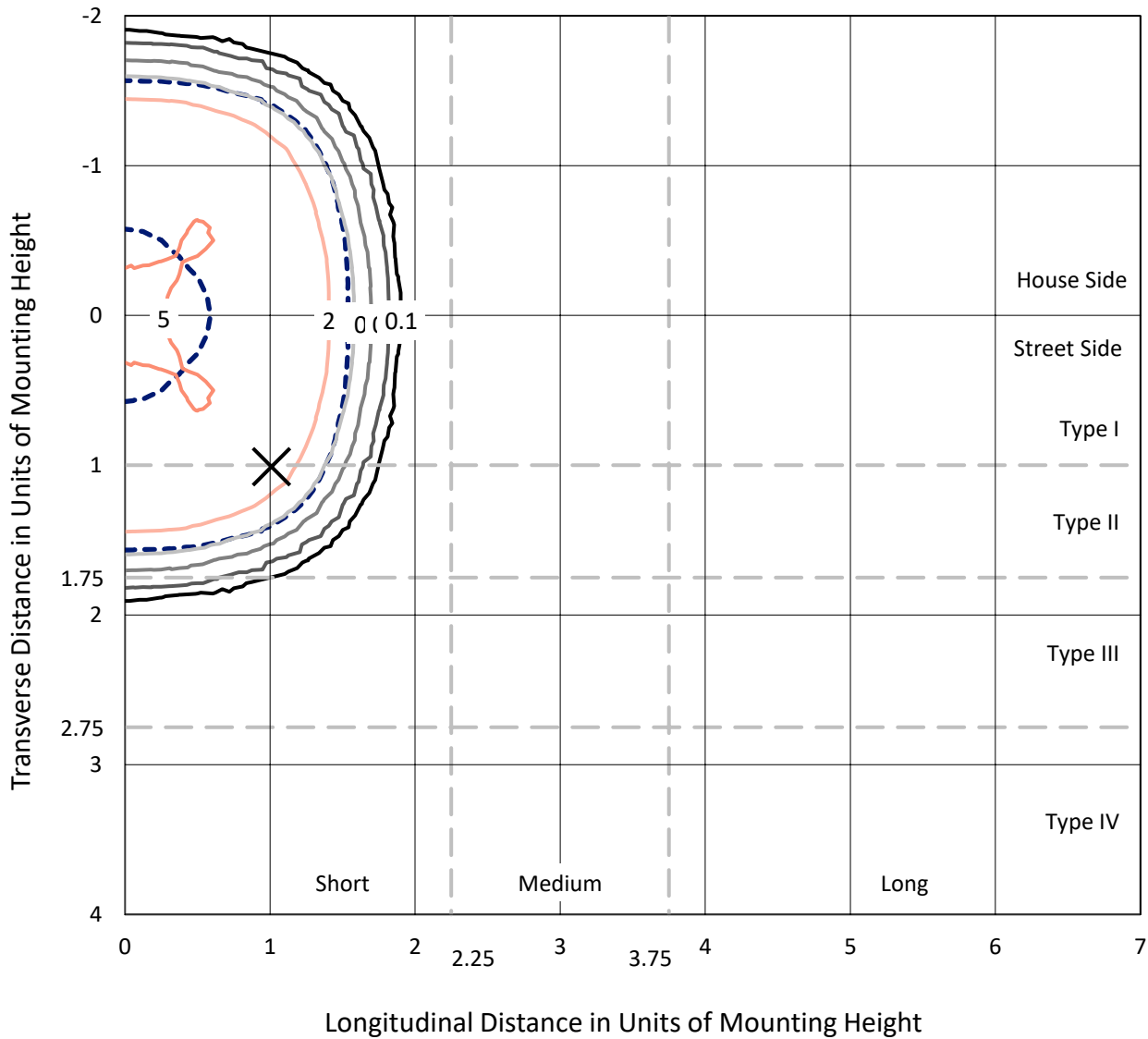


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### Iso-Footcandle Lines of Horizontal Illumination

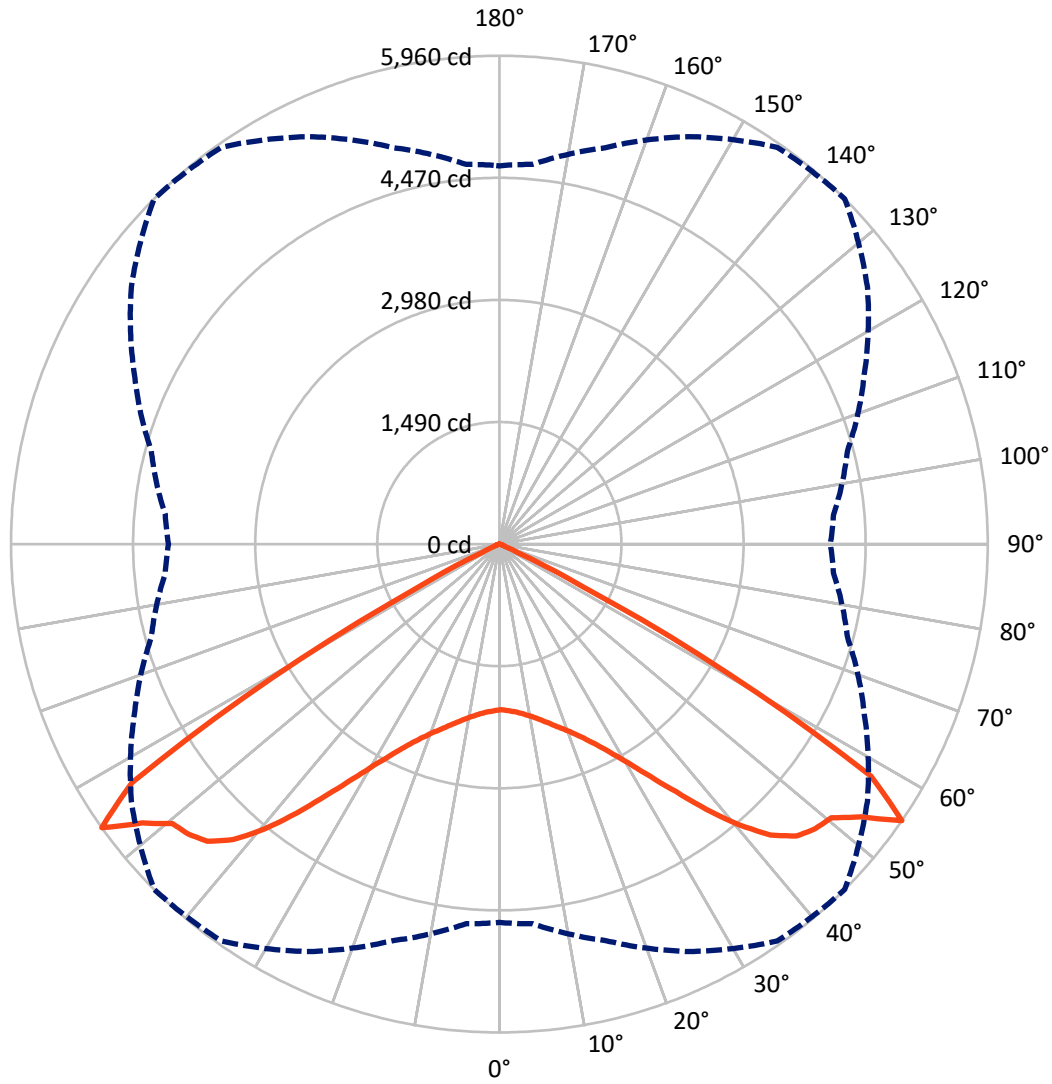
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6247.2	0.0	6247.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6247.2	0.0	6247.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12494.4	0.0	12494.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.9	1.6
10°-20°	641.6	5.1
20°-30°	1242.5	9.9
30°-40°	2226.0	17.8
40°-50°	3732.1	29.9
50°-60°	3995.0	32.0
60°-70°	439.0	3.5
70°-80°	19.3	0.2
80°-90°	0.9	0.0
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°	12494.4	100.0
0°-180°	12494.4	100.0

**Coefficient of Utilization**



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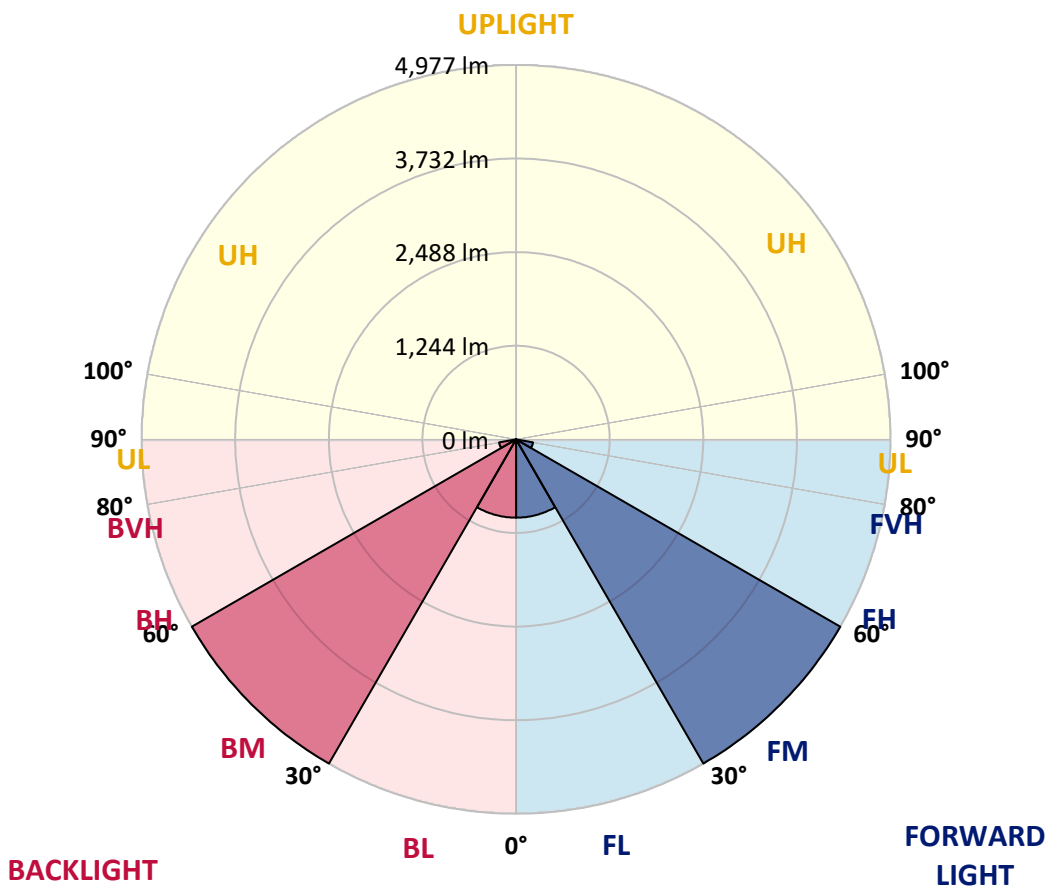
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.0	8.3			
FM (30°-60°)	4976.6	39.8			
FH (60°-80°)	229.2	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1041.0	8.3	B3/2500		
BM (30°-60°)	4976.6	39.8	B3/5000		
BH (60°-80°)	229.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1	2020.1
2.5°	2016.3	2016.3	2021.4	2025.2	2025.2	2035.4	2031.6	2027.7	2027.7	2022.6	2032.8
5°	2045.6	2044.3	2049.4	2051.9	2046.8	2057.0	2050.7	2046.8	2044.3	2039.2	2049.4
7.5°	2077.4	2078.7	2079.9	2085.0	2082.5	2092.7	2087.6	2079.9	2077.4	2069.7	2079.9
10°	2115.6	2115.6	2118.1	2124.5	2125.8	2138.5	2133.4	2124.5	2116.8	2109.2	2119.4
12.5°	2163.9	2165.2	2169.0	2177.9	2183.0	2197.0	2189.4	2171.6	2160.1	2151.2	2162.7
15°	2234.0	2232.7	2237.8	2250.5	2256.9	2267.0	2255.6	2231.4	2217.4	2207.2	2214.9
17.5°	2310.3	2310.3	2312.9	2325.6	2334.5	2349.8	2335.8	2306.5	2293.8	2279.8	2287.4
20°	2394.3	2398.2	2400.7	2409.6	2424.9	2440.2	2428.7	2399.4	2385.4	2367.6	2376.5
22.5°	2505.1	2501.3	2502.5	2517.8	2539.4	2554.7	2545.8	2511.4	2487.3	2473.3	2478.4
25°	2628.6	2627.3	2631.1	2654.0	2678.2	2694.7	2682.0	2637.5	2613.3	2589.1	2599.3
27.5°	2780.0	2781.3	2783.8	2811.9	2850.0	2874.2	2842.4	2797.8	2764.8	2732.9	2740.6
30°	2959.5	2957.0	2964.6	3002.8	3058.8	3097.0	3060.1	2997.7	2950.6	2920.0	2923.9
32.5°	3150.4	3153.0	3173.4	3234.5	3308.3	3375.7	3300.6	3217.9	3156.8	3099.5	3107.2
35°	3356.7	3363.0	3408.8	3499.2	3620.1	3710.5	3606.1	3469.9	3383.4	3309.6	3312.1
37.5°	3599.8	3615.1	3678.7	3813.6	3986.7	4107.7	3954.9	3774.2	3662.2	3570.5	3564.1
40°	3919.3	3937.1	4023.7	4184.0	4394.1	4504.8	4327.9	4142.0	4003.3	3904.0	3888.7
42.5°	4285.9	4308.8	4403.0	4567.2	4777.2	4852.3	4679.2	4522.6	4397.9	4280.8	4275.7
45°	4699.6	4712.3	4788.7	4914.7	5066.2	5084.0	4954.2	4867.6	4741.6	4632.1	4623.2
47.5°	5087.8	5100.5	5152.7	5217.6	5253.3	5189.6	5166.7	5128.5	4965.6	4830.7	4802.7
50°	5383.1	5393.3	5458.2	5483.7	5384.4	5249.5	5294.0	5212.6	5035.6	4884.1	4840.9
52.5°	5362.8	5388.2	5555.0	5700.1	5637.7	5528.2	5408.6	5232.9	4958.0	4750.5	4697.0
55°	4616.8	4651.2	5008.9	5486.2	5912.7	5959.8	5481.1	4914.7	4397.9	4093.7	4038.9
57.5°	2967.1	2976.1	3412.7	4082.2	5043.3	5346.2	4545.6	3705.4	3062.6	2727.8	2704.9
60°	1090.9	1073.1	1402.7	1957.7	2904.8	3225.5	2675.7	1873.7	1336.6	1099.8	1080.7
62.5°	262.2	264.8	328.4	492.6	911.4	1127.8	891.0	497.7	317.0	266.0	263.5
65°	132.4	129.8	131.1	141.3	194.8	232.9	190.9	134.9	129.8	131.1	129.8
67.5°	85.3	84.0	86.6	87.8	86.6	81.5	80.2	82.7	82.7	84.0	81.5
70°	52.2	50.9	53.5	57.3	54.7	48.4	50.9	53.5	50.9	49.6	49.6
72.5°	28.0	28.0	30.5	33.1	30.5	28.0	28.0	29.3	28.0	28.0	28.0
75°	12.7	12.7	14.0	15.3	12.7	12.7	12.7	12.7	12.7	12.7	12.7
77.5°	3.8	3.8	5.1	5.1	3.8	3.8	3.8	3.8	5.1	5.1	5.1
80°	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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)