

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: P641808

Luminaire Tested: GWS-SA6B-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13051.3 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

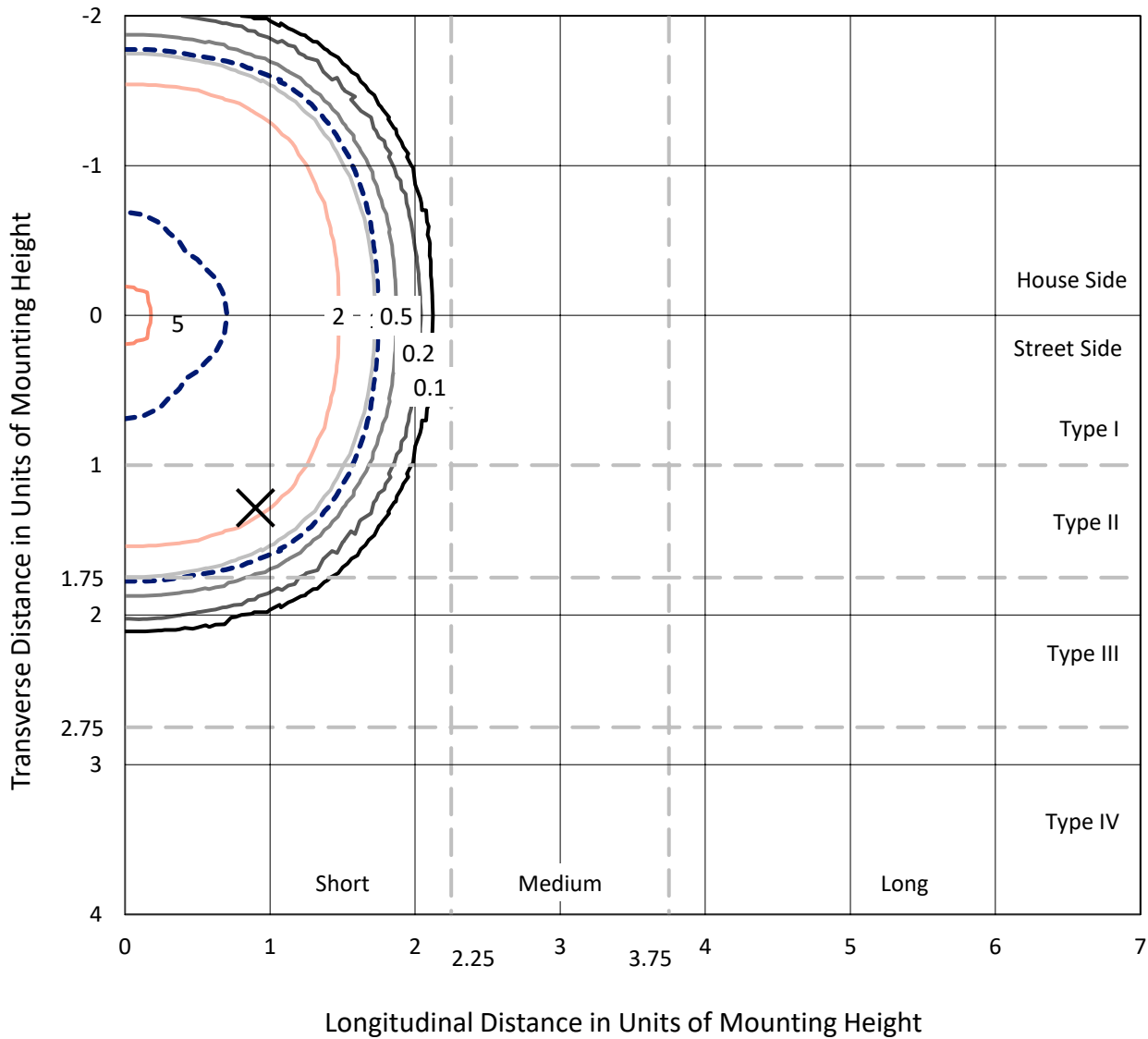
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

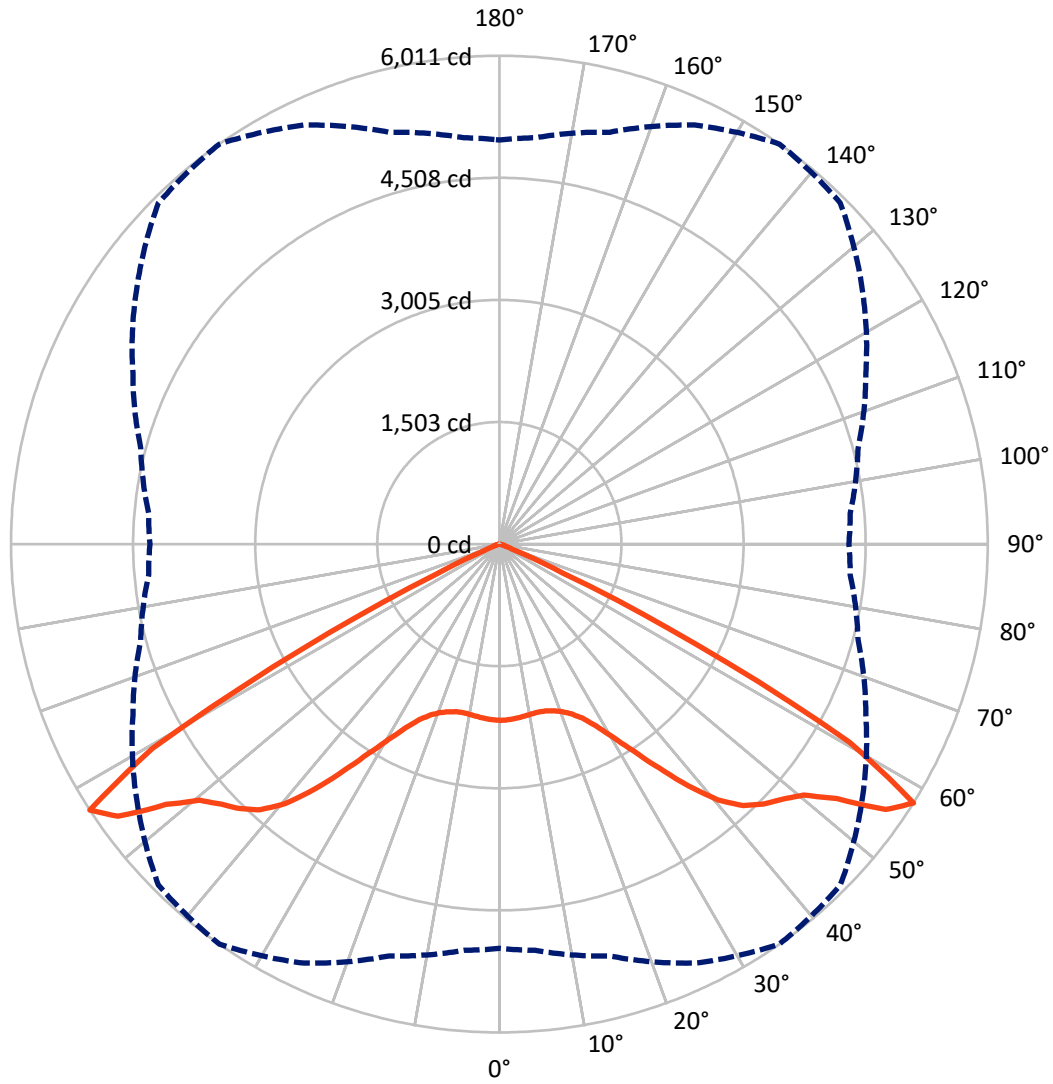
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6525.7	0.0	6525.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6525.7	0.0	6525.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13051.3	0.0	13051.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.4	1.6
10°-20°	601.4	4.6
20°-30°	1087.0	8.3
30°-40°	2027.9	15.5
40°-50°	3401.9	26.1
50°-60°	4492.5	34.4
60°-70°	1193.1	9.1
70°-80°	42.4	0.3
80°-90°	0.8	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°	13051.3	100.0
0°-180°	13051.3	100.0

Coefficient of Utilization



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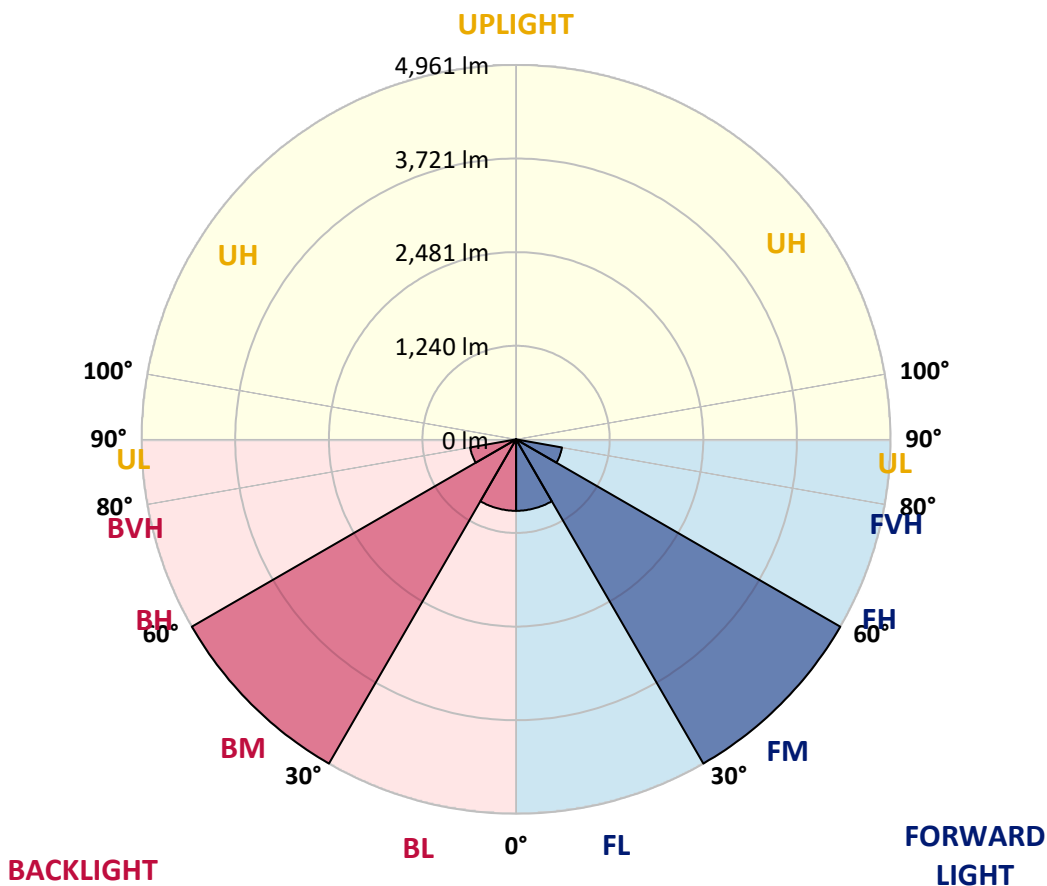
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.4	7.3			
FM (30°-60°)	4961.1	38.0			
FH (60°-80°)	617.7	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	946.4	7.3	B2/1000		
BM (30°-60°)	4961.1	38.0	B3/5000		
BH (60°-80°)	617.7	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	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°	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9	2169.9
2.5°	2154.6	2153.1	2159.2	2163.8	2163.8	2174.5	2171.4	2168.4	2165.3	2160.7	2171.4
5°	2151.5	2150.0	2154.6	2157.6	2154.6	2163.8	2157.6	2151.5	2148.5	2142.3	2154.6
7.5°	2137.7	2139.3	2142.3	2145.4	2140.8	2148.5	2140.8	2131.6	2124.0	2117.8	2128.6
10°	2116.3	2117.8	2120.9	2127.0	2128.6	2139.3	2128.6	2111.7	2101.0	2091.8	2102.5
12.5°	2105.6	2107.1	2111.7	2119.4	2120.9	2134.7	2120.9	2096.4	2081.1	2070.4	2081.1
15°	2108.6	2111.7	2117.8	2127.0	2130.1	2143.9	2125.5	2093.3	2071.9	2058.1	2067.3
17.5°	2119.4	2122.4	2131.6	2146.9	2157.6	2171.4	2148.5	2107.1	2078.0	2058.1	2067.3
20°	2133.1	2137.7	2153.1	2177.6	2200.5	2225.0	2195.9	2139.3	2101.0	2076.5	2084.1
22.5°	2171.4	2176.0	2197.5	2229.6	2267.9	2298.5	2263.3	2191.3	2139.3	2107.1	2114.8
25°	2249.5	2254.1	2281.7	2323.0	2372.0	2411.8	2367.4	2277.1	2209.7	2173.0	2176.0
27.5°	2372.0	2376.6	2408.8	2467.0	2532.8	2589.5	2525.2	2419.5	2342.9	2300.1	2300.1
30°	2526.7	2532.8	2575.7	2653.8	2756.4	2831.4	2744.1	2615.5	2517.5	2459.3	2460.8
32.5°	2725.8	2719.6	2780.9	2888.1	3033.6	3133.1	3004.5	2848.3	2727.3	2646.1	2653.8
35°	2981.5	2980.0	3048.9	3194.4	3384.2	3503.7	3350.6	3148.4	3002.9	2920.2	2921.8
37.5°	3310.7	3309.2	3388.8	3546.6	3774.7	3874.3	3702.8	3497.6	3341.4	3261.7	3270.9
40°	3696.6	3687.4	3757.9	3909.5	4137.7	4202.0	4015.2	3849.8	3699.7	3649.2	3673.7
42.5°	4064.2	4044.2	4085.6	4223.4	4399.5	4408.7	4267.8	4154.5	4051.9	4012.1	4027.4
45°	4359.7	4344.4	4382.7	4462.3	4563.4	4517.4	4450.0	4414.8	4332.1	4289.3	4303.0
47.5°	4580.2	4580.2	4626.2	4675.2	4690.5	4606.2	4617.0	4617.0	4534.3	4466.9	4450.0
50°	4770.1	4783.9	4852.8	4903.3	4852.8	4745.6	4806.8	4794.6	4626.2	4491.4	4456.2
52.5°	5073.3	5087.1	5192.7	5261.7	5205.0	5099.3	5107.0	4953.9	4705.8	4546.5	4491.4
55°	5394.9	5428.6	5581.7	5765.5	5767.0	5658.3	5456.1	5185.1	4883.4	4710.4	4653.7
57.5°	4973.8	5019.7	5247.9	5690.4	6010.5	5935.4	5453.1	4976.8	4569.5	4333.7	4301.5
60°	3422.5	3502.2	3730.3	4335.2	4952.3	4981.4	4411.8	3877.3	3410.3	3119.3	3125.4
62.5°	1445.6	1526.7	1655.4	2153.1	2719.6	2754.9	2479.2	2096.4	1715.1	1505.3	1537.5
65°	340.0	362.9	401.2	595.7	863.7	903.5	833.0	649.3	479.3	405.8	413.5
67.5°	148.5	151.6	143.9	153.1	189.9	194.5	188.4	165.4	156.2	159.3	159.3
70°	104.1	105.7	99.5	94.9	90.3	84.2	87.3	96.5	104.1	110.3	108.7
72.5°	64.3	65.8	67.4	67.4	62.8	56.7	59.7	65.8	67.4	68.9	67.4
75°	32.2	33.7	36.8	38.3	36.8	35.2	35.2	36.8	36.8	35.2	35.2
77.5°	6.1	7.7	10.7	12.3	12.3	12.3	12.3	12.3	13.8	12.3	12.3
80°	1.5	1.5	3.1	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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)