

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: P641921

Luminaire Tested: GWS-SA6B-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641921
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-SA6B-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11835.4 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

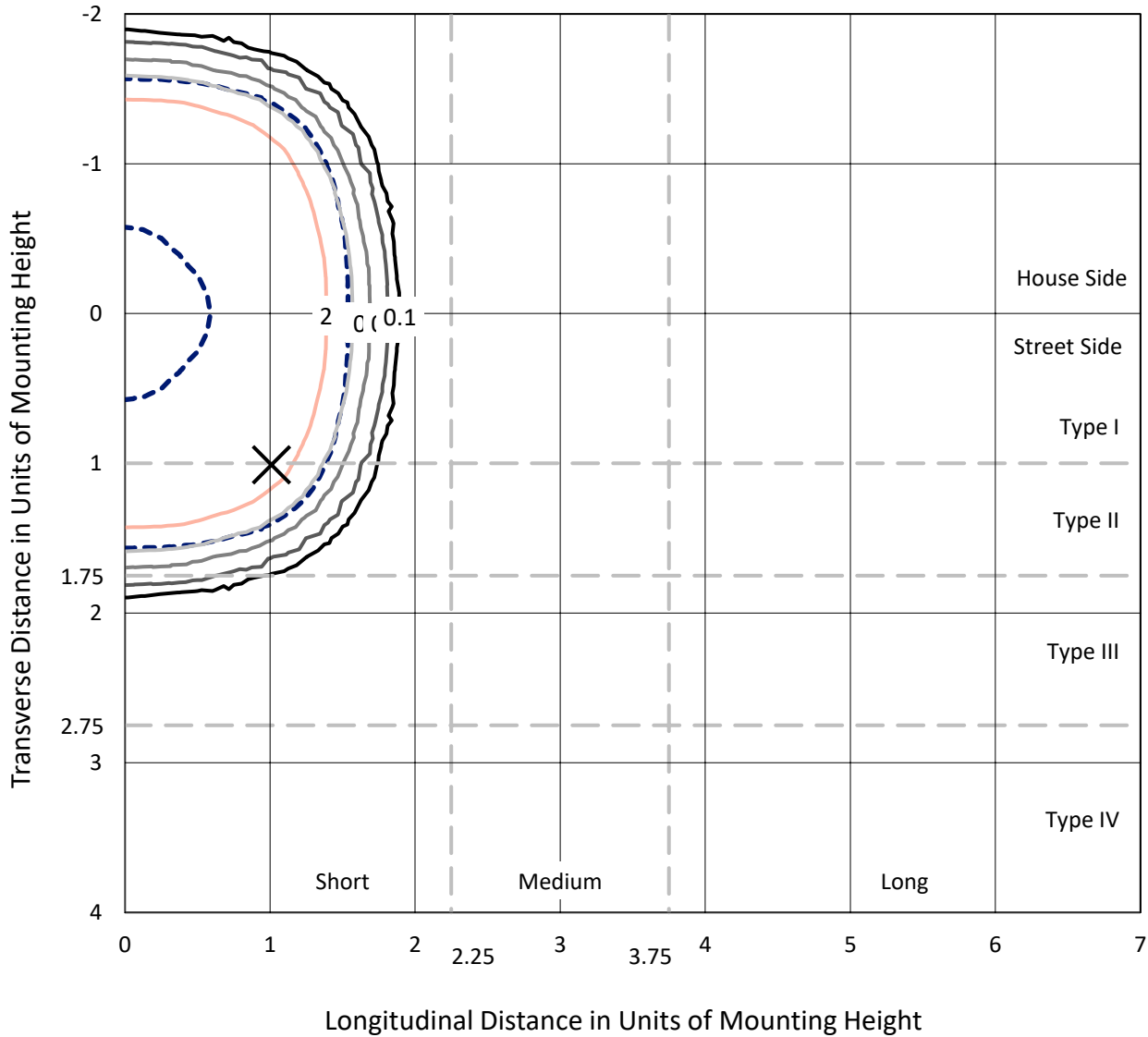
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

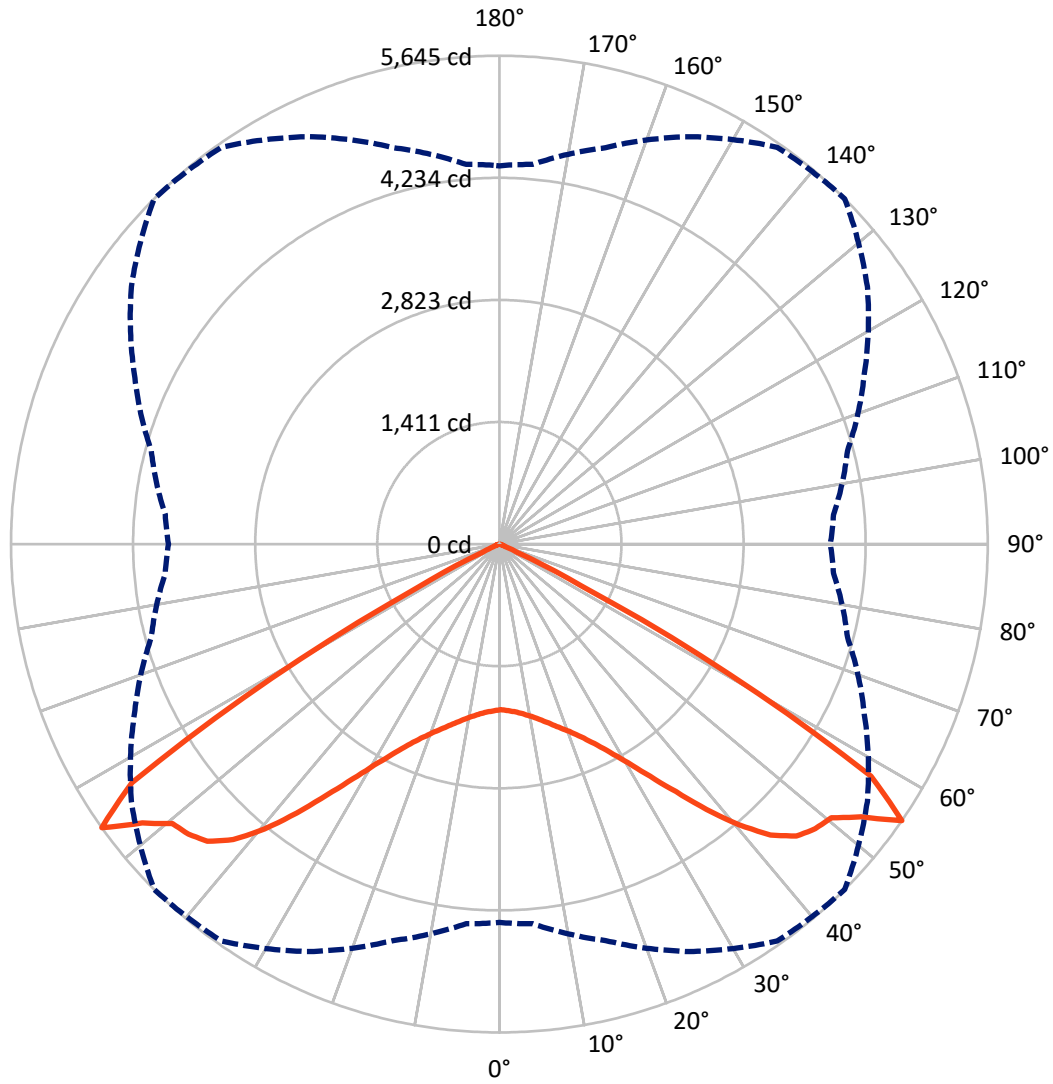
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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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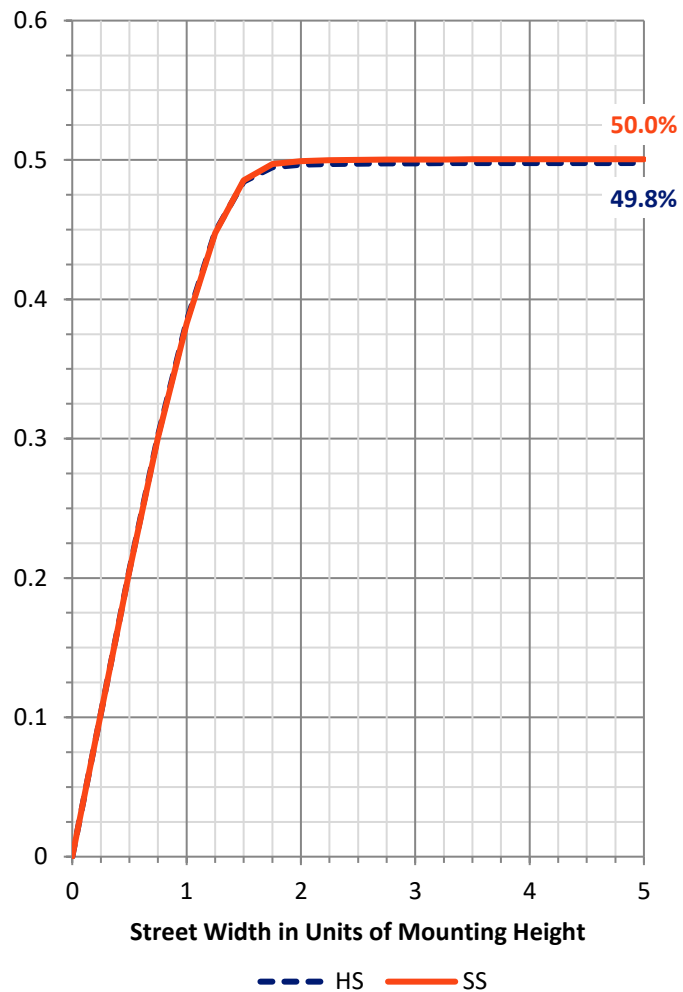
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5917.7	0.0	5917.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5917.7	0.0	5917.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11835.4	0.0	11835.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	1.6
10°-20°	607.7	5.1
20°-30°	1177.0	9.9
30°-40°	2108.6	17.8
40°-50°	3535.2	29.9
50°-60°	3784.3	32.0
60°-70°	415.8	3.5
70°-80°	18.3	0.2
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°	11835.4	100.0
0°-180°	11835.4	100.0

Coefficient of Utilization



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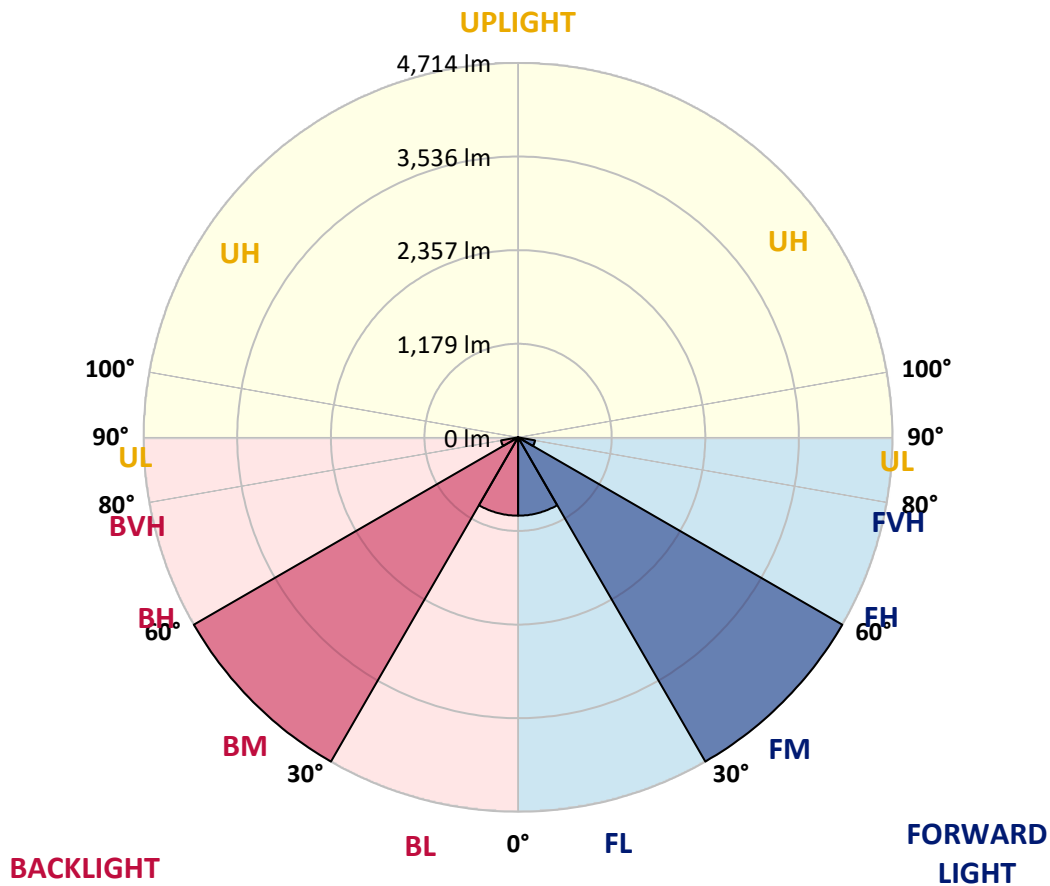
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	986.1	8.3			
FM (30°-60°)	4714.1	39.8			
FH (60°-80°)	217.1	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	986.1	8.3	B2/1000		
BM (30°-60°)	4714.1	39.8	B3/5000		
BH (60°-80°)	217.1	1.8	B1/500		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°	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6	1913.6
2.5°	1909.9	1909.9	1914.8	1918.4	1918.4	1928.0	1924.4	1920.8	1920.8	1916.0	1925.6
5°	1937.7	1936.5	1941.3	1943.7	1938.9	1948.5	1942.5	1938.9	1936.5	1931.6	1941.3
7.5°	1967.8	1969.0	1970.2	1975.1	1972.6	1982.3	1977.5	1970.2	1967.8	1960.6	1970.2
10°	2004.0	2004.0	2006.4	2012.4	2013.6	2025.7	2020.9	2012.4	2005.2	1998.0	2007.6
12.5°	2049.8	2051.0	2054.6	2063.1	2067.9	2081.2	2073.9	2057.0	2046.2	2037.8	2048.6
15°	2116.1	2114.9	2119.7	2131.8	2137.8	2147.5	2136.6	2113.7	2100.5	2090.8	2098.0
17.5°	2188.5	2188.5	2190.9	2202.9	2211.4	2225.9	2212.6	2184.9	2172.8	2159.5	2166.8
20°	2268.1	2271.7	2274.1	2282.5	2297.0	2311.5	2300.6	2272.9	2259.6	2242.7	2251.2
22.5°	2373.0	2369.3	2370.5	2385.0	2405.5	2420.0	2411.5	2379.0	2356.1	2342.8	2347.6
25°	2489.9	2488.7	2492.3	2514.0	2536.9	2552.6	2540.6	2498.4	2475.4	2452.5	2462.2
27.5°	2633.4	2634.6	2637.0	2663.5	2699.7	2722.6	2692.5	2650.3	2618.9	2588.8	2596.0
30°	2803.4	2801.0	2808.2	2844.4	2897.5	2933.6	2898.7	2839.6	2795.0	2766.0	2769.7
32.5°	2984.3	2986.7	3006.0	3063.9	3133.8	3197.7	3126.6	3048.2	2990.3	2936.0	2943.3
35°	3179.6	3185.6	3229.1	3314.7	3429.2	3514.8	3415.9	3286.9	3204.9	3135.0	3137.4
37.5°	3409.9	3424.4	3484.7	3612.5	3776.5	3891.0	3746.3	3575.1	3469.0	3382.2	3376.2
40°	3712.6	3729.4	3811.4	3963.4	4162.3	4267.2	4099.6	3923.6	3792.1	3698.1	3683.6
42.5°	4059.8	4081.5	4170.8	4326.3	4525.3	4596.4	4432.4	4284.1	4165.9	4055.0	4050.2
45°	4451.7	4463.8	4536.1	4655.5	4799.0	4815.8	4692.9	4610.9	4491.5	4387.8	4379.4
47.5°	4819.5	4831.5	4881.0	4942.4	4976.2	4915.9	4894.2	4858.0	4703.7	4575.9	4549.4
50°	5099.2	5108.8	5170.3	5194.5	5100.4	4972.6	5014.8	4937.6	4770.0	4626.5	4585.5
52.5°	5079.9	5104.0	5262.0	5399.4	5340.4	5236.7	5123.3	4956.9	4696.5	4499.9	4449.3
55°	4373.3	4405.9	4744.7	5196.9	5600.8	5645.4	5192.0	4655.5	4165.9	3877.8	3825.9
57.5°	2810.6	2819.1	3232.7	3866.9	4777.3	5064.2	4305.8	3510.0	2901.1	2584.0	2562.3
60°	1033.3	1016.5	1328.8	1854.5	2751.6	3055.4	2534.5	1774.9	1266.1	1041.8	1023.7
62.5°	248.4	250.8	311.1	466.6	863.3	1068.3	844.0	471.5	300.2	252.0	249.6
65°	125.4	123.0	124.2	133.8	184.5	220.7	180.9	127.8	123.0	124.2	123.0
67.5°	80.8	79.6	82.0	83.2	82.0	77.2	76.0	78.4	78.4	79.6	77.2
70°	49.4	48.2	50.6	54.3	51.8	45.8	48.2	50.6	48.2	47.0	47.0
72.5°	26.5	26.5	28.9	31.4	28.9	26.5	26.5	27.7	26.5	26.5	26.5
75°	12.1	12.1	13.3	14.5	12.1	12.1	12.1	12.1	12.1	12.1	12.1
77.5°	3.6	3.6	4.8	4.8	3.6	3.6	3.6	3.6	4.8	4.8	4.8
80°	1.2	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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)