

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: P639281

Luminaire Tested: GWS-SA5B-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639281
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12780.7 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

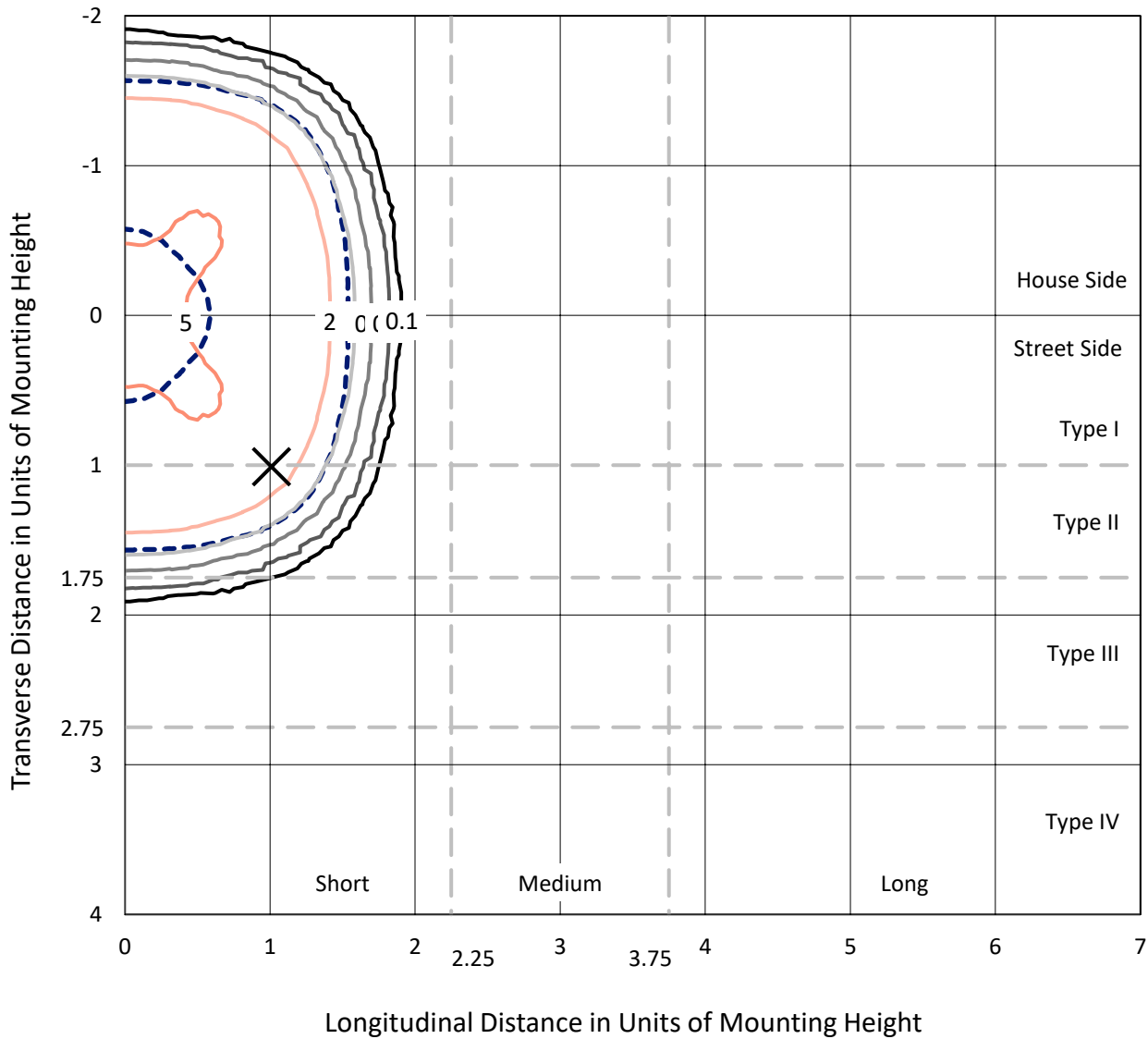
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

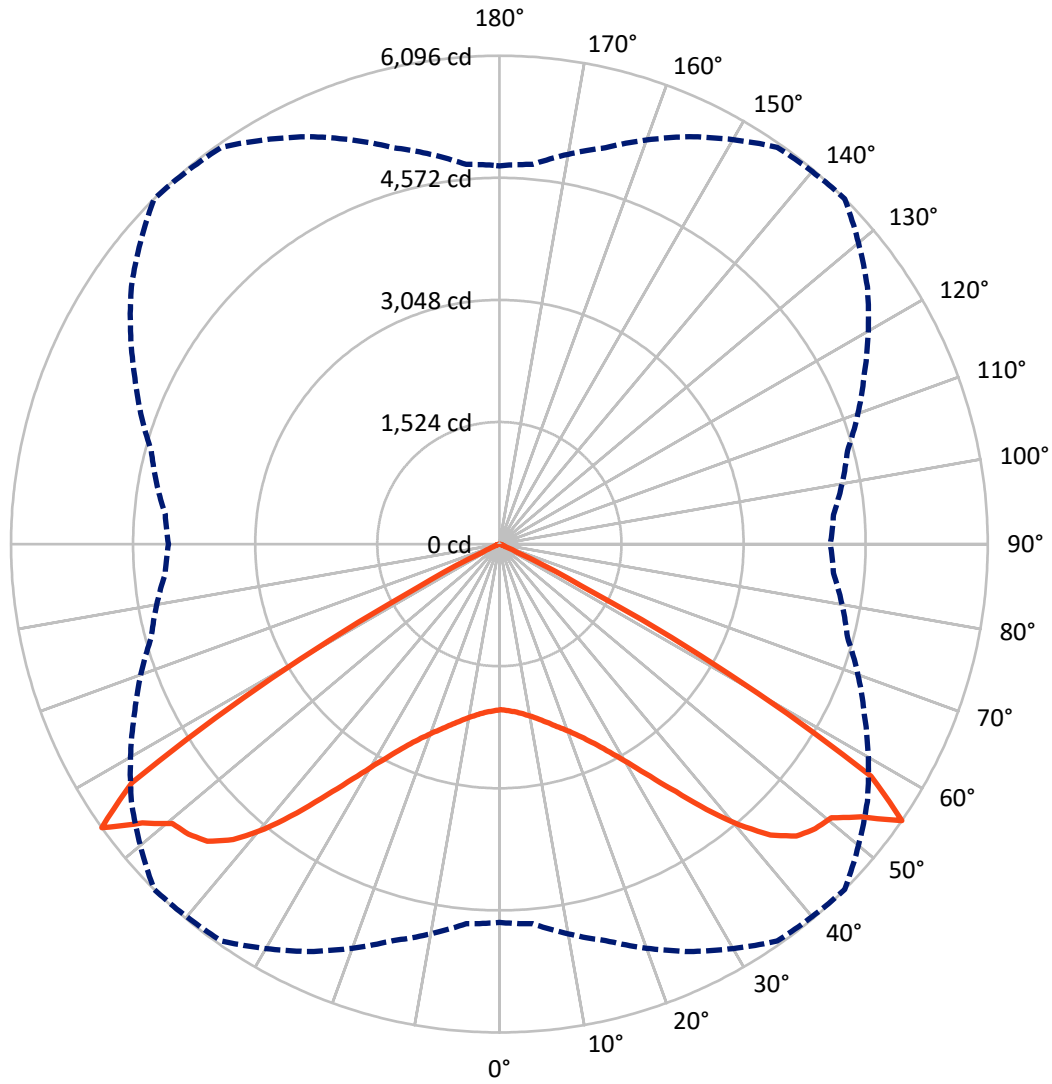
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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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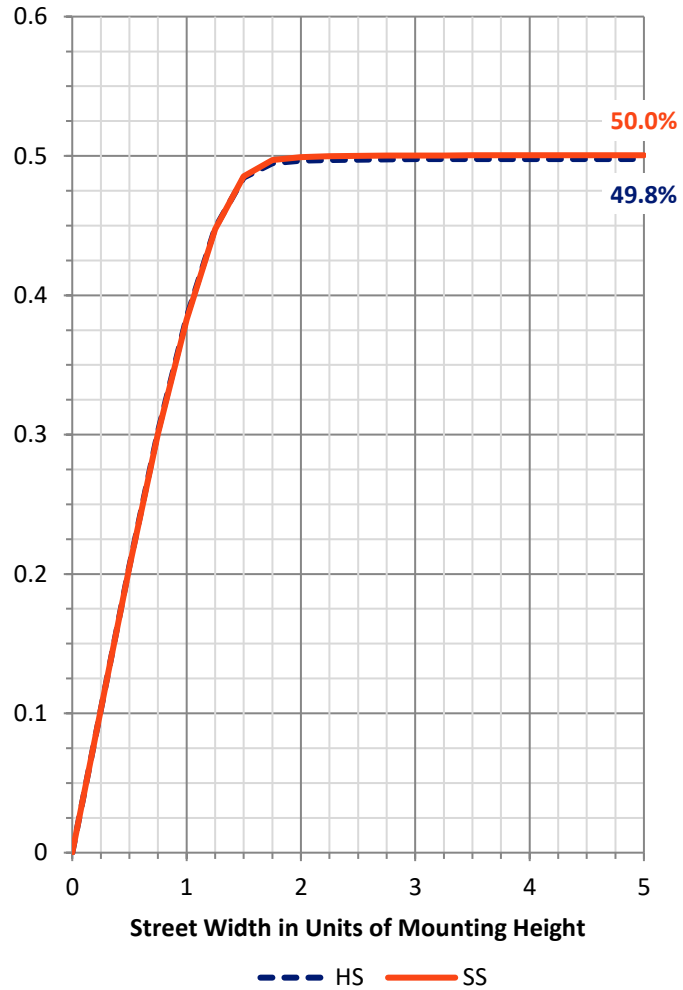
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6390.3	0.0	6390.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6390.3	0.0	6390.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12780.7	0.0	12780.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	1.6
10°-20°	656.3	5.1
20°-30°	1271.0	9.9
30°-40°	2277.0	17.8
40°-50°	3817.6	29.9
50°-60°	4086.6	32.0
60°-70°	449.0	3.5
70°-80°	19.8	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°	12780.7	100.0
0°-180°	12780.7	100.0

Coefficient of Utilization



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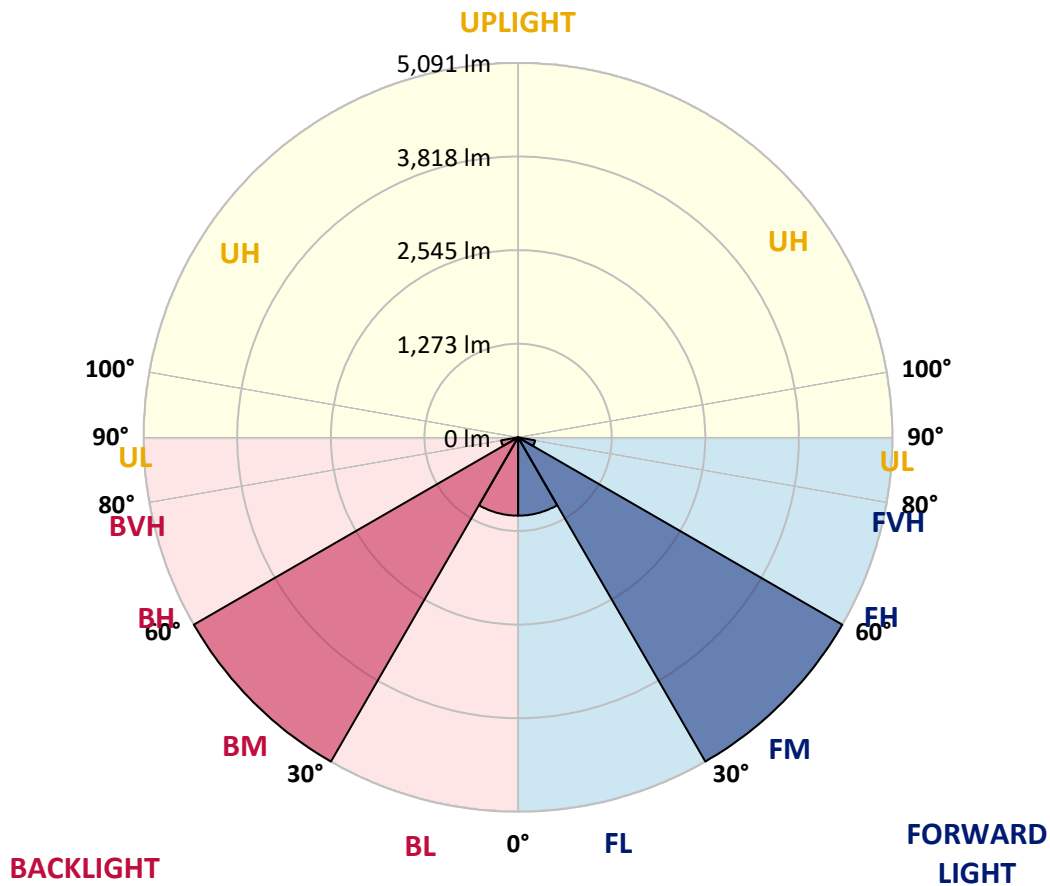
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.9	8.3			
FM (30°-60°)	5090.6	39.8			
FH (60°-80°)	234.4	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1064.9	8.3	B3/2500		
BM (30°-60°)	5090.6	39.8	B4/8500		
BH (60°-80°)	234.4	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: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4
2.5°	2062.5	2062.5	2067.7	2071.6	2071.6	2082.0	2078.1	2074.2	2074.2	2069.0	2079.4
5°	2092.4	2091.1	2096.3	2098.9	2093.7	2104.2	2097.6	2093.7	2091.1	2085.9	2096.3
7.5°	2125.0	2126.3	2127.6	2132.8	2130.2	2140.6	2135.4	2127.6	2125.0	2117.2	2127.6
10°	2164.0	2164.0	2166.7	2173.2	2174.5	2187.5	2182.3	2173.2	2165.4	2157.5	2168.0
12.5°	2213.5	2214.8	2218.7	2227.9	2233.1	2247.4	2239.6	2221.3	2209.6	2200.5	2212.2
15°	2285.1	2283.8	2289.0	2302.1	2308.6	2319.0	2307.3	2282.5	2268.2	2257.8	2265.6
17.5°	2363.3	2363.3	2365.9	2378.9	2388.0	2403.6	2389.3	2359.4	2346.3	2332.0	2339.8
20°	2449.2	2453.1	2455.7	2464.8	2480.5	2496.1	2484.4	2454.4	2440.1	2421.9	2431.0
22.5°	2562.5	2558.6	2559.9	2575.5	2597.6	2613.3	2604.1	2569.0	2544.3	2529.9	2535.1
25°	2688.8	2687.5	2691.4	2714.8	2739.6	2756.5	2743.5	2697.9	2673.2	2648.4	2658.8
27.5°	2843.7	2845.0	2847.6	2876.3	2915.3	2940.1	2907.5	2862.0	2828.1	2795.6	2803.4
30°	3027.3	3024.7	3032.5	3071.6	3128.9	3167.9	3130.2	3066.4	3018.2	2987.0	2990.9
32.5°	3222.6	3225.2	3246.1	3308.6	3384.1	3453.1	3376.3	3291.6	3229.1	3170.6	3178.4
35°	3433.6	3440.1	3487.0	3579.4	3703.1	3795.5	3688.8	3549.5	3460.9	3385.4	3388.0
37.5°	3682.3	3697.9	3763.0	3901.0	4078.1	4201.8	4045.5	3860.7	3746.1	3652.3	3645.8
40°	4009.1	4027.3	4115.9	4279.9	4494.8	4608.0	4427.1	4237.0	4095.0	3993.5	3977.8
42.5°	4384.1	4407.5	4503.9	4671.8	4886.7	4963.5	4786.4	4626.3	4498.7	4378.9	4373.7
45°	4807.3	4820.3	4898.4	5027.3	5182.3	5200.5	5067.7	4979.1	4850.2	4738.3	4729.1
47.5°	5204.4	5217.4	5270.8	5337.2	5373.7	5308.6	5285.1	5246.1	5079.4	4941.4	4912.7
50°	5506.5	5516.9	5583.3	5609.3	5507.8	5369.8	5415.3	5332.0	5151.0	4996.1	4951.8
52.5°	5485.6	5511.7	5682.3	5830.7	5766.9	5654.9	5532.5	5352.8	5071.6	4859.3	4804.7
55°	4722.6	4757.8	5123.7	5611.9	6048.1	6096.3	5606.7	5027.3	4498.7	4187.5	4131.5
57.5°	3035.1	3044.3	3490.9	4175.8	5158.8	5468.7	4649.7	3790.3	3132.8	2790.3	2766.9
60°	1115.9	1097.6	1434.9	2002.6	2971.3	3299.5	2737.0	1916.7	1367.2	1125.0	1105.5
62.5°	268.2	270.8	335.9	503.9	932.3	1153.6	911.5	509.1	324.2	272.1	269.5
65°	135.4	132.8	134.1	144.5	199.2	238.3	195.3	138.0	132.8	134.1	132.8
67.5°	87.2	85.9	88.5	89.8	88.5	83.3	82.0	84.6	84.6	85.9	83.3
70°	53.4	52.1	54.7	58.6	56.0	49.5	52.1	54.7	52.1	50.8	50.8
72.5°	28.6	28.6	31.2	33.9	31.2	28.6	28.6	29.9	28.6	28.6	28.6
75°	13.0	13.0	14.3	15.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0
77.5°	3.9	3.9	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
80°	1.3	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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)