

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: P637191

Luminaire Tested: GWS-SA4C-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637191
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-SA4C-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13472.4 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

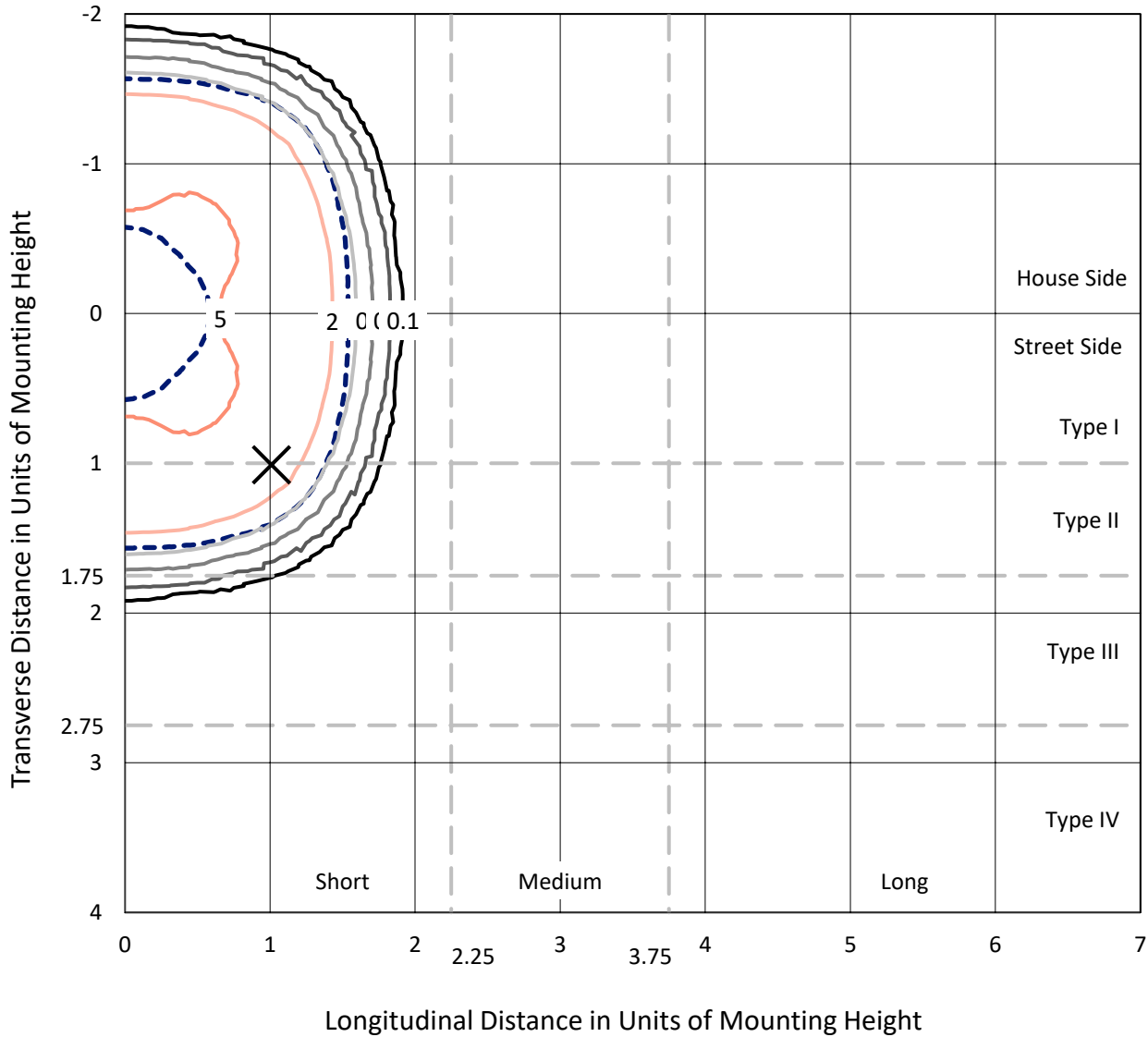
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

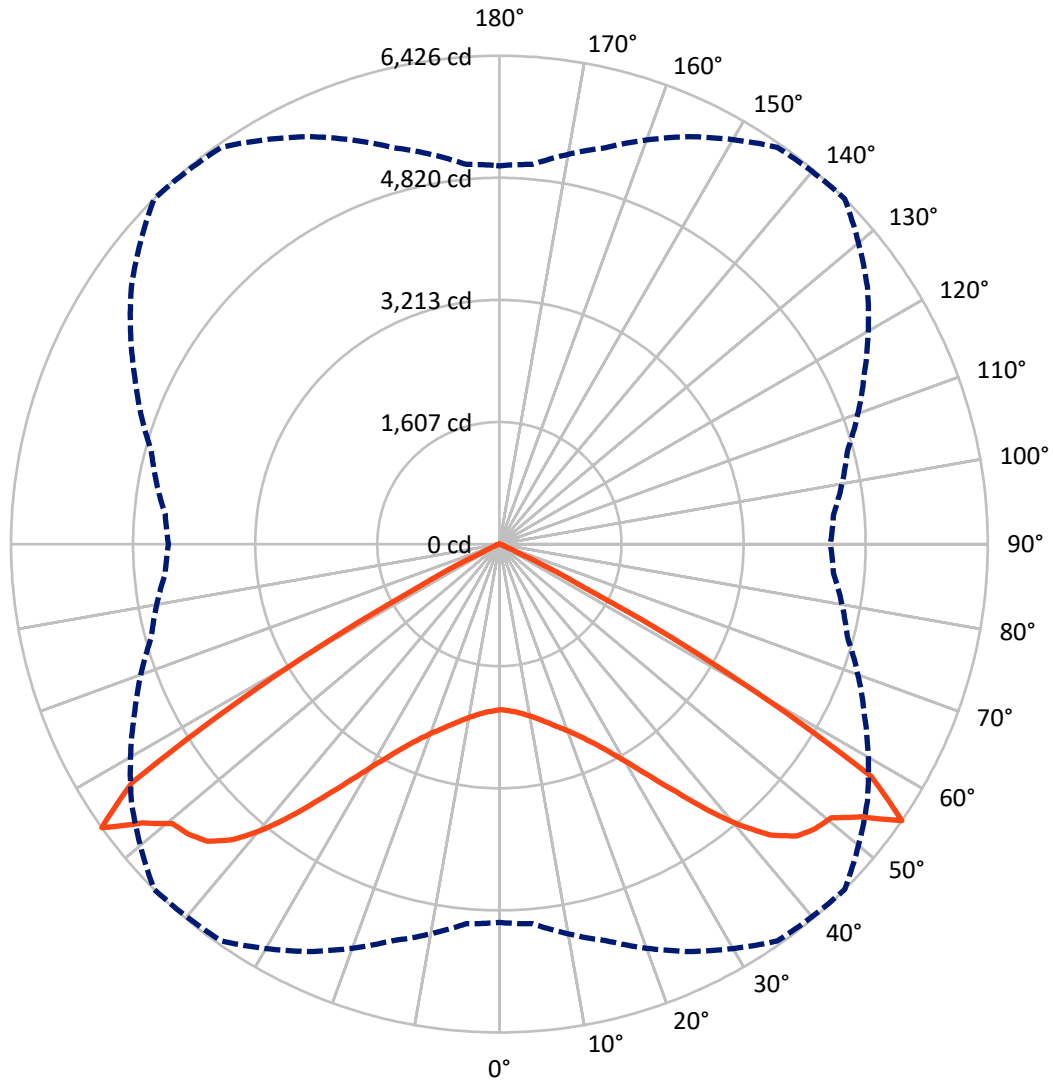
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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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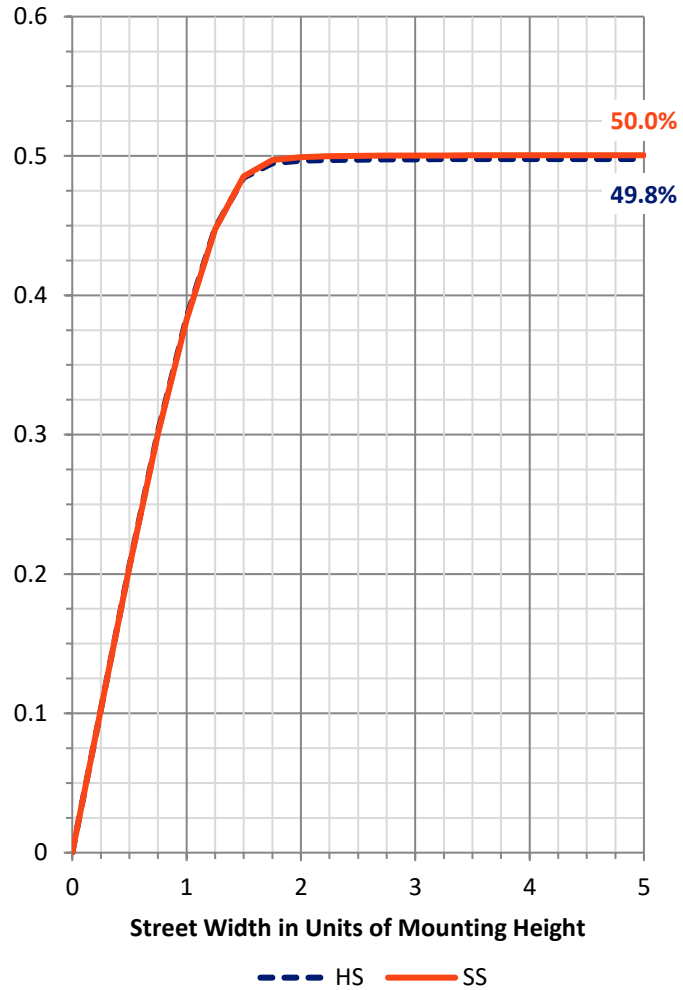
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6736.2	0.0	6736.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6736.2	0.0	6736.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	13472.4	0.0	13472.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.6
10°-20°	691.8	5.1
20°-30°	1339.8	9.9
30°-40°	2400.3	17.8
40°-50°	4024.2	29.9
50°-60°	4307.7	32.0
60°-70°	473.4	3.5
70°-80°	20.8	0.2
80°-90°	1.0	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°	13472.4	100.0
0°-180°	13472.4	100.0

Coefficient of Utilization



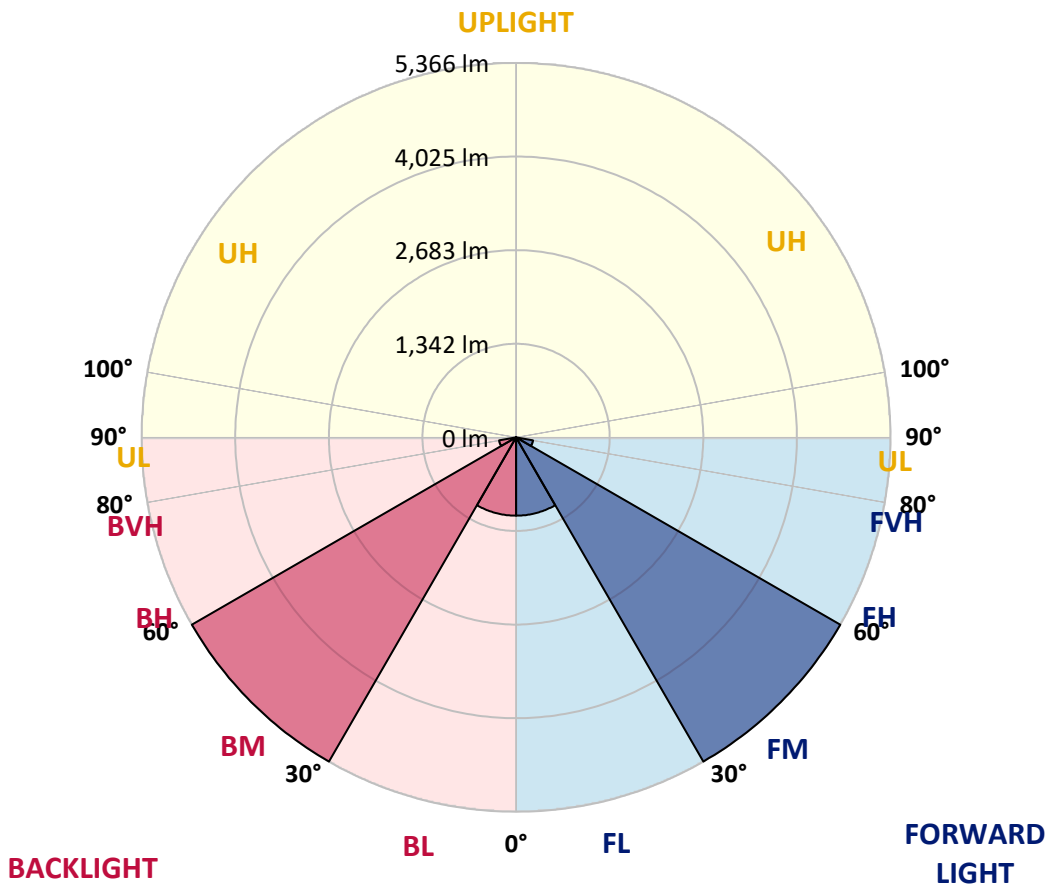
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.5	8.3			
FM (30°-60°)	5366.1	39.8			
FH (60°-80°)	247.1	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1122.5	8.3	B3/2500		
BM (30°-60°)	5366.1	39.8	B4/8500		
BH (60°-80°)	247.1	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°	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2	2178.2
2.5°	2174.1	2174.1	2179.6	2183.7	2183.7	2194.7	2190.6	2186.5	2186.5	2181.0	2192.0
5°	2205.7	2204.3	2209.8	2212.5	2207.1	2218.0	2211.2	2207.1	2204.3	2198.8	2209.8
7.5°	2240.0	2241.4	2242.7	2248.2	2245.5	2256.5	2251.0	2242.7	2240.0	2231.8	2242.7
10°	2281.2	2281.2	2283.9	2290.8	2292.1	2305.9	2300.4	2290.8	2282.5	2274.3	2285.3
12.5°	2333.3	2334.7	2338.8	2348.4	2353.9	2369.0	2360.8	2341.6	2329.2	2319.6	2332.0
15°	2408.8	2407.4	2412.9	2426.7	2433.5	2444.5	2432.1	2406.1	2391.0	2380.0	2388.2
17.5°	2491.2	2491.2	2493.9	2507.6	2517.2	2533.7	2518.6	2487.0	2473.3	2458.2	2466.5
20°	2581.8	2585.9	2588.6	2598.2	2614.7	2631.2	2618.8	2587.2	2572.1	2552.9	2562.5
22.5°	2701.2	2697.0	2698.4	2714.9	2738.2	2754.7	2745.1	2708.0	2682.0	2666.9	2672.3
25°	2834.3	2832.9	2837.0	2861.8	2887.8	2905.7	2892.0	2843.9	2817.8	2791.8	2802.7
27.5°	2997.6	2999.0	3001.8	3031.9	3073.1	3099.2	3064.9	3016.9	2981.2	2946.9	2955.1
30°	3191.2	3188.4	3196.7	3237.8	3298.2	3339.4	3299.6	3232.3	3181.6	3148.6	3152.7
32.5°	3397.0	3399.8	3421.8	3487.6	3567.2	3640.0	3559.0	3469.8	3403.9	3342.1	3350.4
35°	3619.4	3626.3	3675.7	3773.1	3903.5	4001.0	3888.4	3741.6	3648.2	3568.6	3571.4
37.5°	3881.6	3898.0	3966.7	4112.1	4298.8	4429.2	4264.5	4069.6	3948.8	3850.0	3843.1
40°	4226.1	4245.3	4338.6	4511.6	4738.0	4857.4	4666.6	4466.3	4316.7	4209.6	4193.1
42.5°	4621.4	4646.1	4747.6	4924.7	5151.2	5232.1	5045.5	4876.6	4742.1	4615.9	4610.4
45°	5067.4	5081.2	5163.5	5299.4	5462.7	5481.9	5341.9	5248.6	5112.7	4994.7	4985.1
47.5°	5486.1	5499.8	5556.1	5626.1	5664.5	5595.9	5571.2	5530.0	5354.3	5208.8	5178.6
50°	5804.5	5815.5	5885.5	5912.9	5805.9	5660.4	5708.4	5620.6	5429.8	5266.5	5219.8
52.5°	5782.5	5810.0	5989.8	6146.3	6079.0	5961.0	5831.9	5642.5	5346.1	5122.3	5064.7
55°	4978.2	5015.3	5401.0	5915.7	6375.5	6426.3	5910.2	5299.4	4742.1	4414.1	4355.1
57.5°	3199.4	3209.0	3679.8	4401.7	5438.0	5764.7	4901.4	3995.5	3302.3	2941.4	2916.7
60°	1176.3	1157.1	1512.5	2111.0	3132.1	3478.0	2885.1	2020.4	1441.2	1185.9	1165.3
62.5°	282.7	285.5	354.1	531.2	982.7	1216.1	960.8	536.7	341.8	286.9	284.1
65°	142.7	140.0	141.4	152.4	210.0	251.2	205.9	145.5	140.0	141.4	140.0
67.5°	92.0	90.6	93.3	94.7	93.3	87.8	86.5	89.2	89.2	90.6	87.8
70°	56.3	54.9	57.6	61.8	59.0	52.2	54.9	57.6	54.9	53.5	53.5
72.5°	30.2	30.2	32.9	35.7	32.9	30.2	30.2	31.6	30.2	30.2	30.2
75°	13.7	13.7	15.1	16.5	13.7	13.7	13.7	13.7	13.7	13.7	13.7
77.5°	4.1	4.1	5.5	5.5	4.1	4.1	4.1	4.1	5.5	5.5	5.5
80°	1.4	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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)