

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: P633235

Luminaire Tested: GWS-SA2E-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12153.9 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

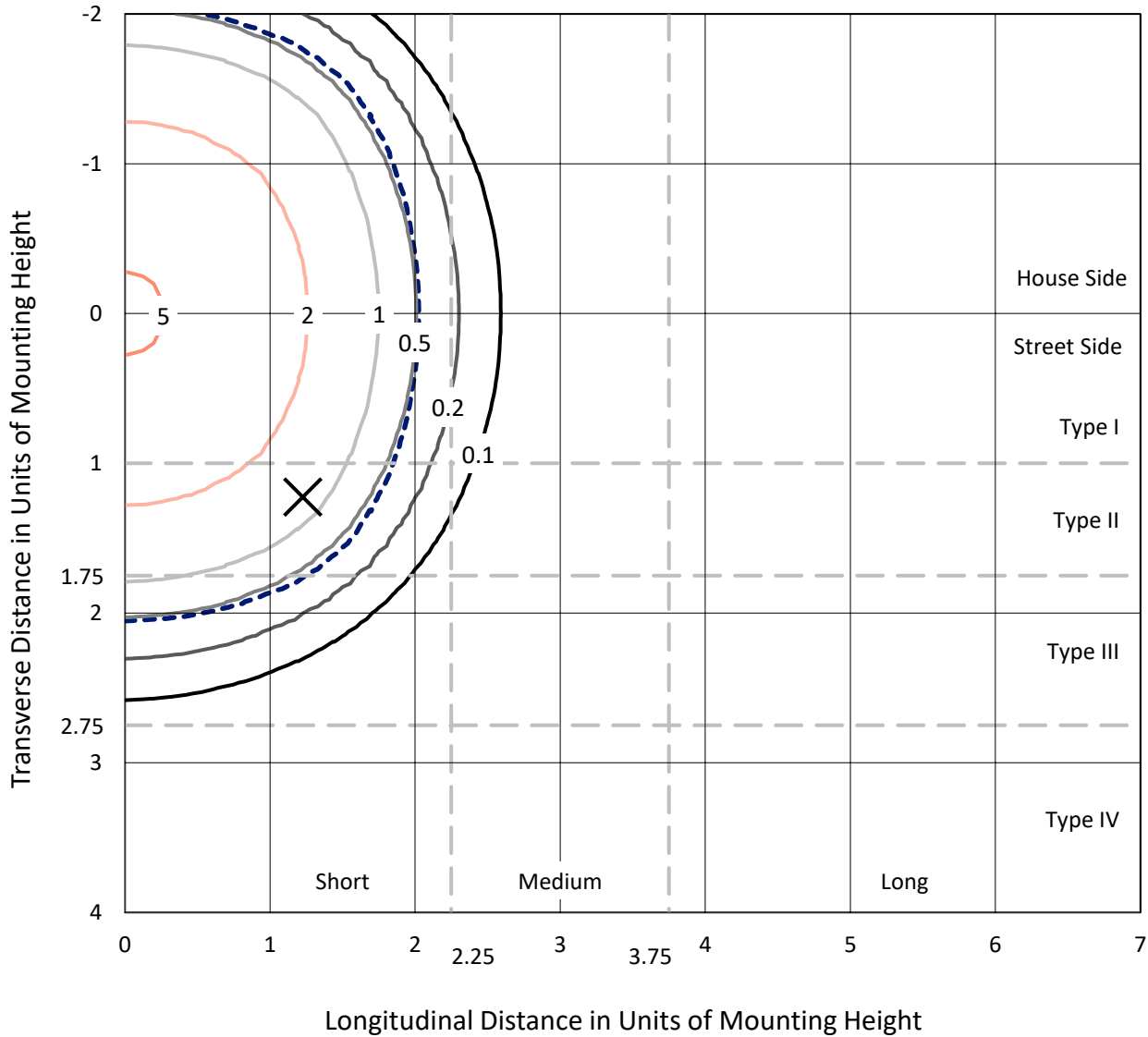
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

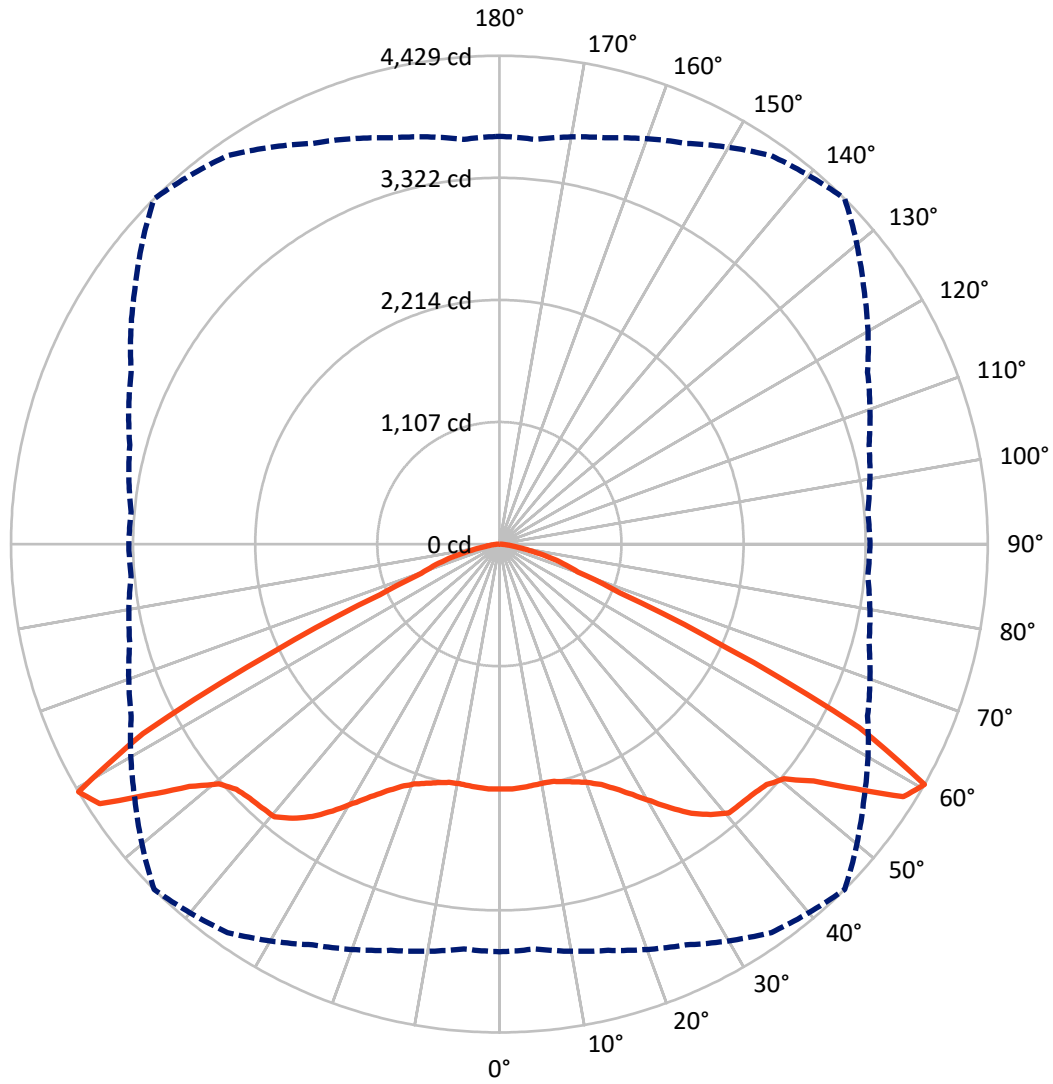
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6077.0	0.0	6077.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6077.0	0.0	6077.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12153.9	0.0	12153.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	1.7
10°-20°	633.6	5.2
20°-30°	1120.9	9.2
30°-40°	1804.7	14.8
40°-50°	2480.5	20.4
50°-60°	3305.5	27.2
60°-70°	2060.1	17.0
70°-80°	473.7	3.9
80°-90°	64.3	0.5
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°	12153.9	100.0
0°-180°	12153.9	100.0

Coefficient of Utilization



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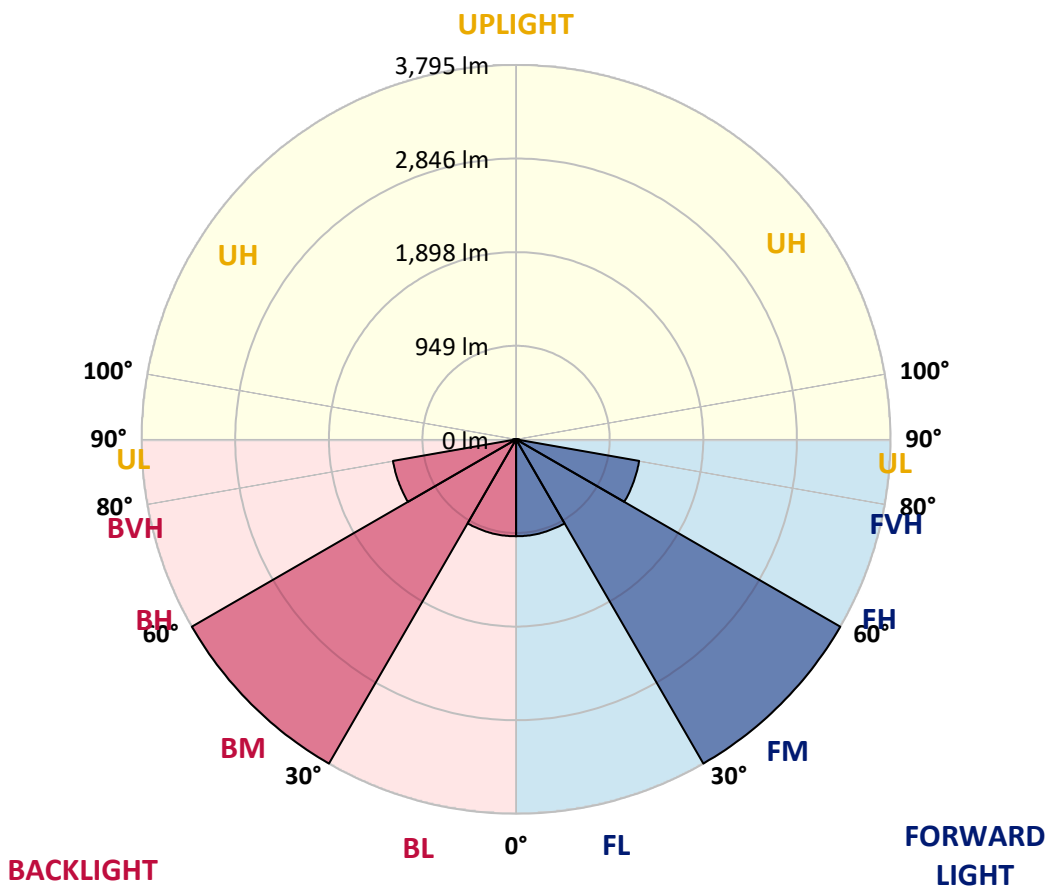
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.6	8.1			
FM (30°-60°)	3795.3	31.2			
FH (60°-80°)	1266.9	10.4			G1/1800
FVH (80°-90°)	32.1	0.3			G1/100
BL (0°-30°)	982.6	8.1	B2/1000		
BM (30°-60°)	3795.3	31.2	B3/5000		
BH (60°-80°)	1266.9	10.4	B3/2500		G1/1800
BVH (80°-90°)	32.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1
2.5°	2205.6	2207.7	2211.8	2214.9	2219.0	2223.2	2225.2	2221.1	2219.0	2210.8	2220.1
5°	2207.7	2209.8	2212.9	2212.9	2213.9	2217.0	2217.0	2211.8	2206.7	2197.4	2207.7
7.5°	2204.6	2206.7	2207.7	2206.7	2207.7	2208.7	2206.7	2200.5	2195.3	2187.1	2195.3
10°	2199.4	2201.5	2203.6	2201.5	2199.4	2202.5	2202.5	2198.4	2195.3	2187.1	2196.3
12.5°	2210.8	2213.9	2214.9	2209.8	2207.7	2208.7	2208.7	2204.6	2204.6	2197.4	2207.7
15°	2237.6	2239.7	2236.6	2230.4	2231.4	2234.5	2227.3	2217.0	2214.9	2211.8	2220.1
17.5°	2258.2	2260.3	2257.2	2253.1	2260.3	2267.5	2254.1	2234.5	2228.3	2226.3	2235.6
20°	2280.9	2284.0	2279.9	2285.1	2299.5	2307.8	2291.3	2264.4	2252.1	2249.0	2260.3
22.5°	2318.1	2322.2	2322.2	2333.6	2355.2	2368.6	2348.0	2311.9	2293.3	2288.2	2299.5
25°	2376.9	2380.0	2383.1	2405.8	2440.8	2459.4	2426.4	2376.9	2351.1	2342.8	2349.0
27.5°	2458.4	2463.5	2468.7	2501.7	2545.0	2571.9	2524.4	2462.5	2430.5	2414.0	2426.4
30°	2555.4	2562.6	2575.0	2612.1	2673.0	2702.9	2642.0	2566.7	2530.6	2513.1	2529.6
32.5°	2687.4	2688.4	2697.7	2739.0	2819.5	2853.5	2777.2	2693.6	2656.5	2635.8	2645.1
35°	2844.2	2845.2	2830.8	2873.1	2959.8	2997.9	2908.2	2823.6	2792.6	2786.4	2810.2
37.5°	3005.1	2995.9	2981.4	3000.0	3087.7	3112.4	3017.5	2945.3	2931.9	2943.3	2978.3
40°	3119.7	3104.2	3075.3	3088.7	3177.4	3206.3	3105.2	3037.1	3033.0	3060.9	3103.2
42.5°	3193.9	3177.4	3143.4	3143.4	3204.3	3216.6	3138.2	3102.1	3111.4	3143.4	3183.6
45°	3230.0	3220.8	3201.2	3190.8	3224.9	3230.0	3170.2	3155.8	3173.3	3188.8	3219.7
47.5°	3257.9	3257.9	3251.7	3241.4	3256.9	3260.0	3215.6	3211.5	3234.2	3234.2	3254.8
50°	3307.4	3312.6	3320.8	3318.8	3335.3	3345.6	3312.6	3306.4	3315.7	3285.8	3296.1
52.5°	3437.4	3450.8	3474.5	3493.1	3535.4	3567.4	3508.6	3459.1	3410.6	3344.6	3346.6
55°	3670.6	3676.7	3723.2	3777.8	3849.0	3914.0	3793.3	3639.6	3534.4	3457.0	3458.0
57.5°	3867.6	3876.9	3945.0	4059.5	4219.4	4320.5	4053.3	3796.4	3647.9	3552.9	3556.0
60°	3697.4	3685.0	3814.0	4010.0	4299.9	4428.8	4034.7	3684.0	3470.4	3352.8	3361.1
62.5°	2860.7	2837.0	2980.4	3185.7	3533.3	3662.3	3299.2	2962.9	2760.7	2668.8	2655.4
65°	1741.4	1719.7	1822.9	1948.8	2184.0	2265.5	2099.4	1920.9	1744.5	1688.8	1673.3
67.5°	948.1	945.0	972.8	1034.7	1137.9	1176.1	1144.1	1059.5	1014.1	974.9	974.9
70°	752.1	745.9	740.7	741.7	751.0	756.2	757.2	753.1	758.3	759.3	755.2
72.5°	623.1	621.0	610.7	611.8	607.6	605.6	612.8	616.9	625.2	626.2	626.2
75°	451.9	446.7	451.9	452.9	448.8	448.8	453.9	452.9	457.0	459.1	447.7
77.5°	256.9	256.9	264.1	272.4	278.5	278.5	283.7	283.7	288.9	287.8	285.8
80°	141.3	141.3	145.5	150.6	156.8	163.0	168.2	169.2	172.3	171.3	168.2
82.5°	80.5	81.5	83.6	86.7	92.8	98.0	103.2	104.2	107.3	107.3	104.2
85°	38.2	37.1	38.2	40.2	43.3	47.5	52.6	55.7	57.8	57.8	55.7
87.5°	7.2	8.3	7.2	8.3	9.3	12.4	14.4	16.5	19.6	20.6	18.6
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)