

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: P633290

Luminaire Tested: GWS-SA2E-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633290
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12322.8 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

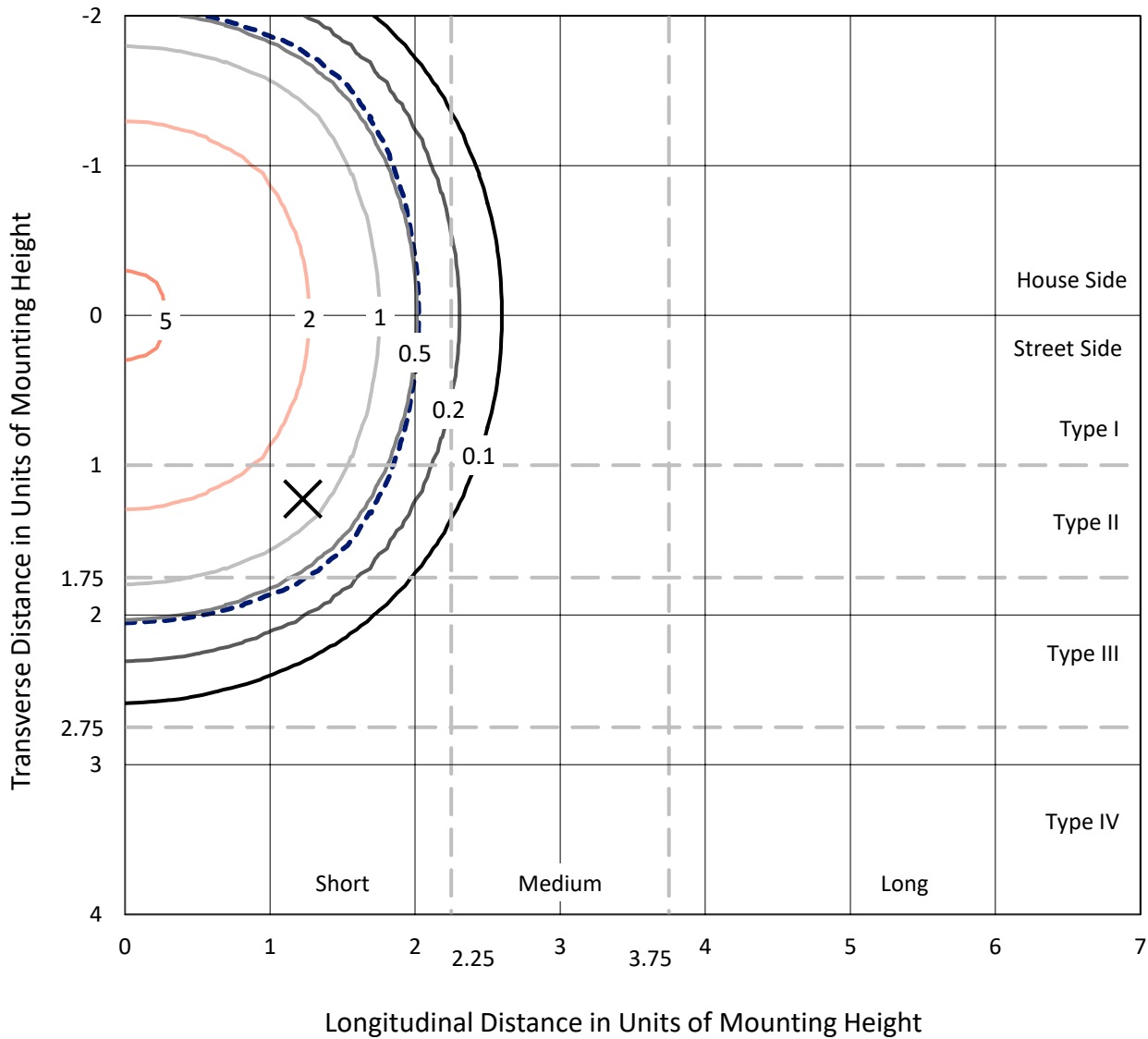
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

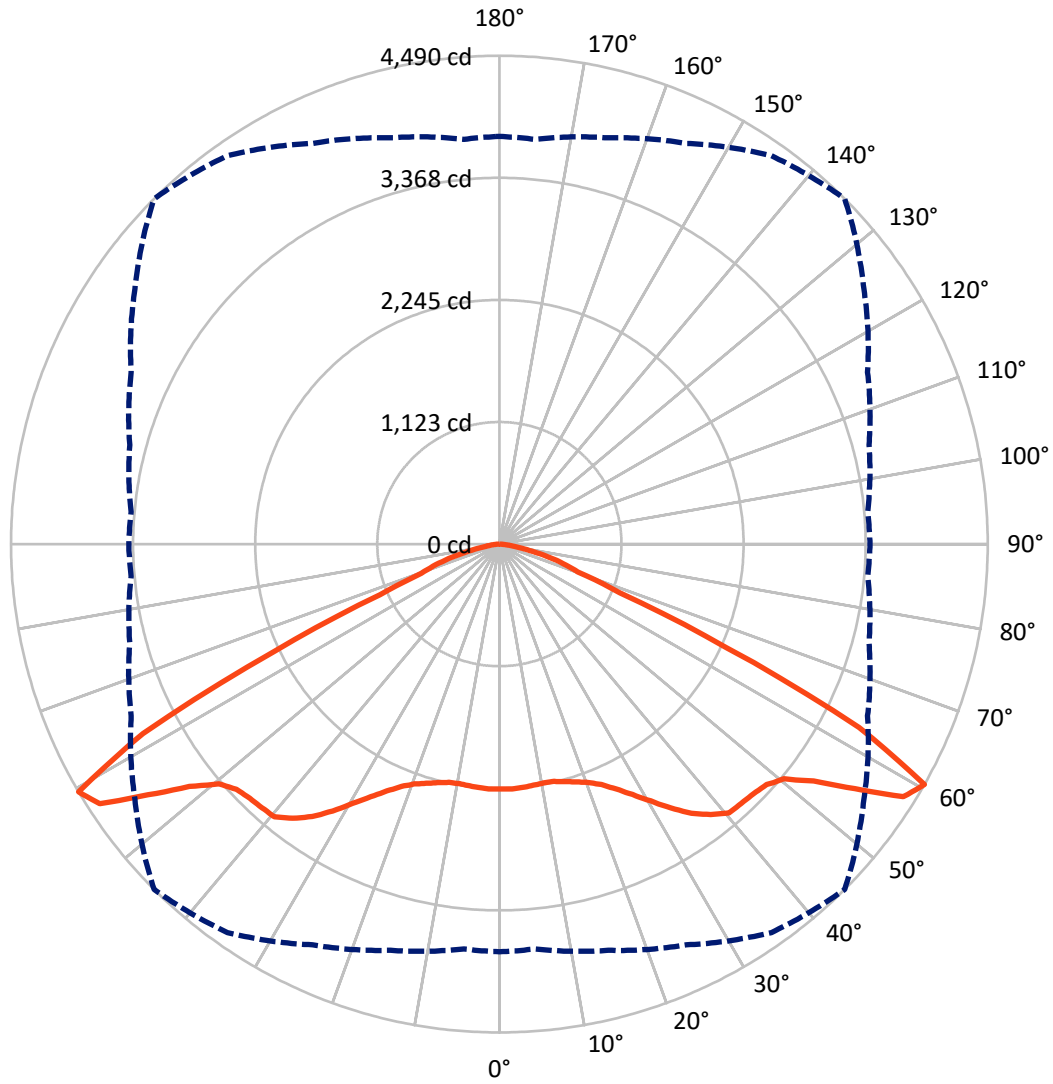
✕ Max cd
 - - - 1/2 Max cd



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	6161.4	0.0	6161.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6161.4	0.0	6161.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	12322.8	0.0	12322.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	1.7
10°-20°	642.4	5.2
20°-30°	1136.5	9.2
30°-40°	1829.8	14.8
40°-50°	2514.9	20.4
50°-60°	3351.4	27.2
60°-70°	2088.8	17.0
70°-80°	480.3	3.9
80°-90°	65.2	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°	12322.8	100.0
0°-180°	12322.8	100.0

Coefficient of Utilization



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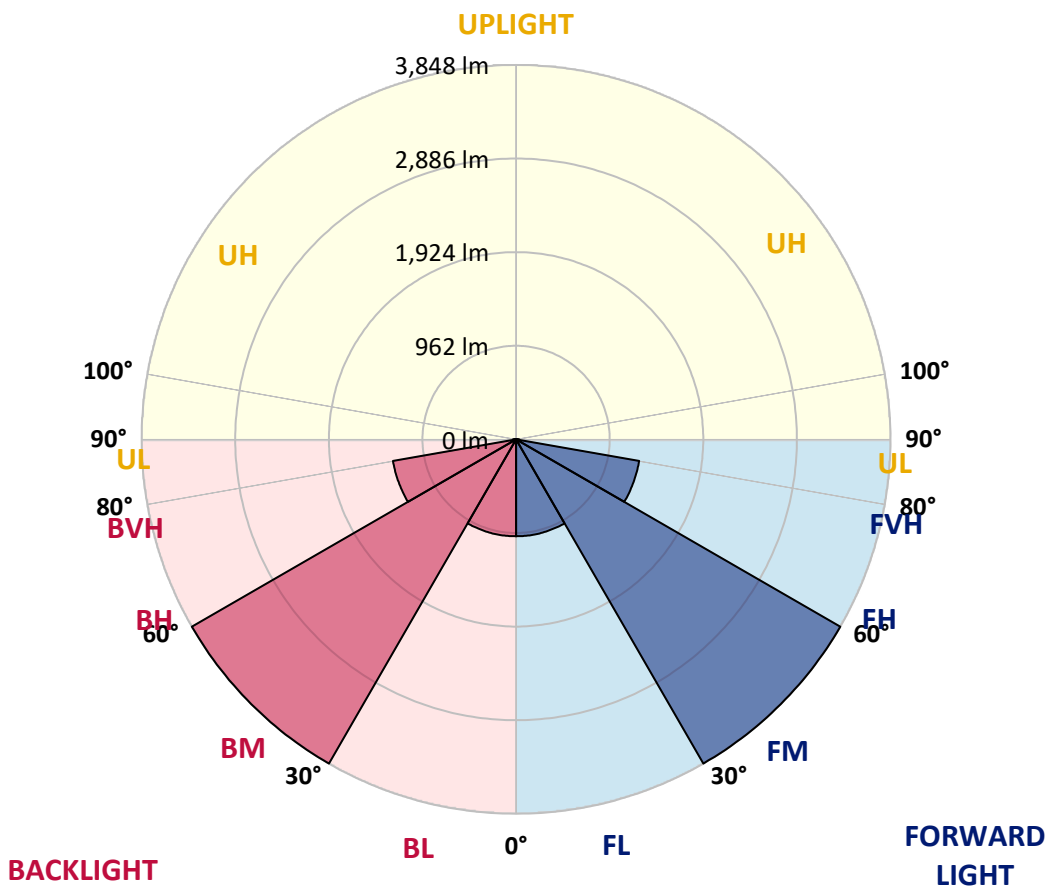
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.2	8.1			
FM (30°-60°)	3848.1	31.2			
FH (60°-80°)	1284.5	10.4			G1/1800
FVH (80°-90°)	32.6	0.3			G1/100
BL (0°-30°)	996.2	8.1	B2/1000		
BM (30°-60°)	3848.1	31.2	B3/5000		
BH (60°-80°)	1284.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	32.6	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°	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0	2252.0
2.5°	2236.3	2238.4	2242.6	2245.7	2249.9	2254.1	2256.2	2252.0	2249.9	2241.5	2250.9
5°	2238.4	2240.5	2243.6	2243.6	2244.7	2247.8	2247.8	2242.6	2237.3	2227.9	2238.4
7.5°	2235.2	2237.3	2238.4	2237.3	2238.4	2239.4	2237.3	2231.1	2225.8	2217.5	2225.8
10°	2230.0	2232.1	2234.2	2232.1	2230.0	2233.1	2233.1	2229.0	2225.8	2217.5	2226.9
12.5°	2241.5	2244.7	2245.7	2240.5	2238.4	2239.4	2239.4	2235.2	2235.2	2227.9	2238.4
15°	2268.7	2270.8	2267.7	2261.4	2262.4	2265.6	2258.2	2247.8	2245.7	2242.6	2250.9
17.5°	2289.6	2291.7	2288.6	2284.4	2291.7	2299.0	2285.4	2265.6	2259.3	2257.2	2266.6
20°	2312.6	2315.8	2311.6	2316.8	2331.5	2339.8	2323.1	2295.9	2283.4	2280.2	2291.7
22.5°	2350.3	2354.5	2354.5	2366.0	2388.0	2401.5	2380.6	2344.0	2325.2	2320.0	2331.5
25°	2409.9	2413.1	2416.2	2439.2	2474.8	2493.6	2460.1	2409.9	2383.8	2375.4	2381.7
27.5°	2492.5	2497.8	2503.0	2536.5	2580.4	2607.6	2559.5	2496.7	2464.3	2447.6	2460.1
30°	2590.9	2598.2	2610.7	2648.4	2710.1	2740.4	2678.7	2602.4	2565.8	2548.0	2564.7
32.5°	2724.8	2725.8	2735.2	2777.1	2858.6	2893.2	2815.8	2731.0	2693.4	2672.5	2681.9
35°	2883.7	2884.8	2870.1	2913.0	3000.9	3039.6	2948.6	2862.8	2831.4	2825.2	2849.2
37.5°	3046.9	3037.5	3022.9	3041.7	3130.6	3155.7	3059.5	2986.2	2972.6	2984.2	3019.7
40°	3163.0	3147.3	3118.0	3131.6	3221.6	3250.9	3148.4	3079.3	3075.2	3103.4	3146.3
42.5°	3238.3	3221.6	3187.1	3187.1	3248.8	3261.3	3181.8	3145.2	3154.6	3187.1	3227.9
45°	3274.9	3265.5	3245.6	3235.2	3269.7	3274.9	3214.3	3199.6	3217.4	3233.1	3264.5
47.5°	3303.2	3303.2	3296.9	3286.4	3302.1	3305.3	3260.3	3256.1	3279.1	3279.1	3300.0
50°	3353.4	3358.6	3367.0	3364.9	3381.6	3392.1	3358.6	3352.3	3361.7	3331.4	3341.9
52.5°	3485.2	3498.8	3522.8	3541.7	3584.5	3617.0	3557.3	3507.1	3458.0	3391.0	3393.1
55°	3721.6	3727.8	3774.9	3830.3	3902.5	3968.4	3846.0	3690.2	3583.5	3505.0	3506.1
57.5°	3921.3	3930.8	3999.8	4115.9	4278.0	4380.5	4109.6	3849.2	3698.6	3602.3	3605.5
60°	3748.8	3736.2	3867.0	4065.7	4359.6	4490.4	4090.8	3735.2	3518.6	3399.4	3407.8
62.5°	2900.5	2876.4	3021.8	3230.0	3582.4	3713.2	3345.0	3004.0	2799.0	2705.9	2692.3
65°	1765.6	1743.6	1848.2	1975.8	2214.3	2297.0	2128.5	1947.6	1768.7	1712.3	1696.6
67.5°	961.2	958.1	986.4	1049.1	1153.7	1192.4	1160.0	1074.2	1028.2	988.4	988.4
70°	762.5	756.2	751.0	752.1	761.5	766.7	767.7	763.6	768.8	769.8	765.7
72.5°	631.8	629.7	619.2	620.3	616.1	614.0	621.3	625.5	633.9	634.9	634.9
75°	458.1	452.9	458.1	459.2	455.0	455.0	460.2	459.2	463.4	465.5	454.0
77.5°	260.4	260.4	267.8	276.1	282.4	282.4	287.6	287.6	292.9	291.8	289.7
80°	143.3	143.3	147.5	152.7	159.0	165.3	170.5	171.5	174.7	173.6	170.5
82.5°	81.6	82.6	84.7	87.9	94.1	99.4	104.6	105.6	108.8	108.8	105.6
85°	38.7	37.7	38.7	40.8	43.9	48.1	53.3	56.5	58.6	58.6	56.5
87.5°	7.3	8.4	7.3	8.4	9.4	12.6	14.6	16.7	19.9	20.9	18.8
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)