

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: P634720

Luminaire Tested: GWS-SA3C-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634720
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-SA3C-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11619.5 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

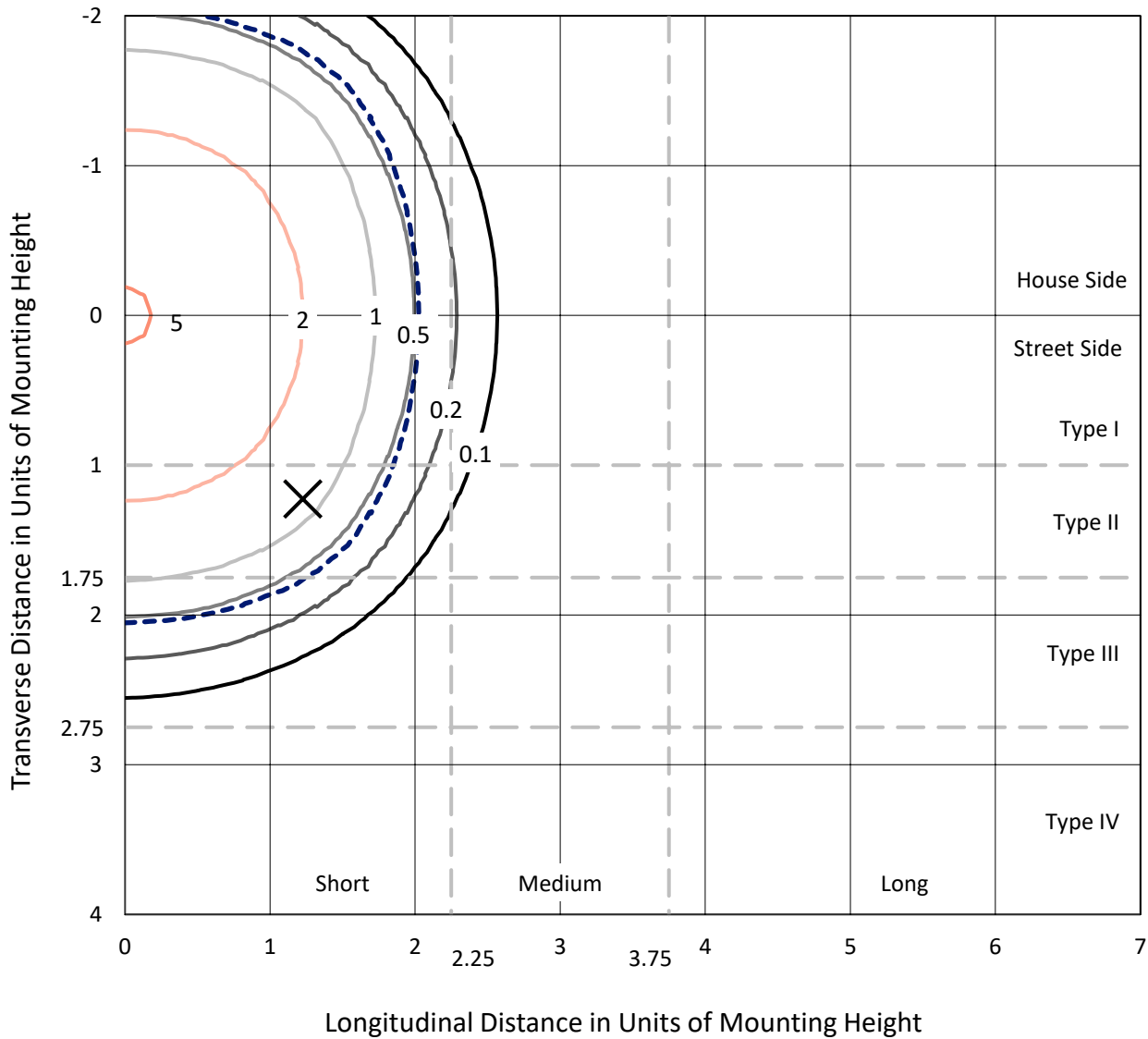
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

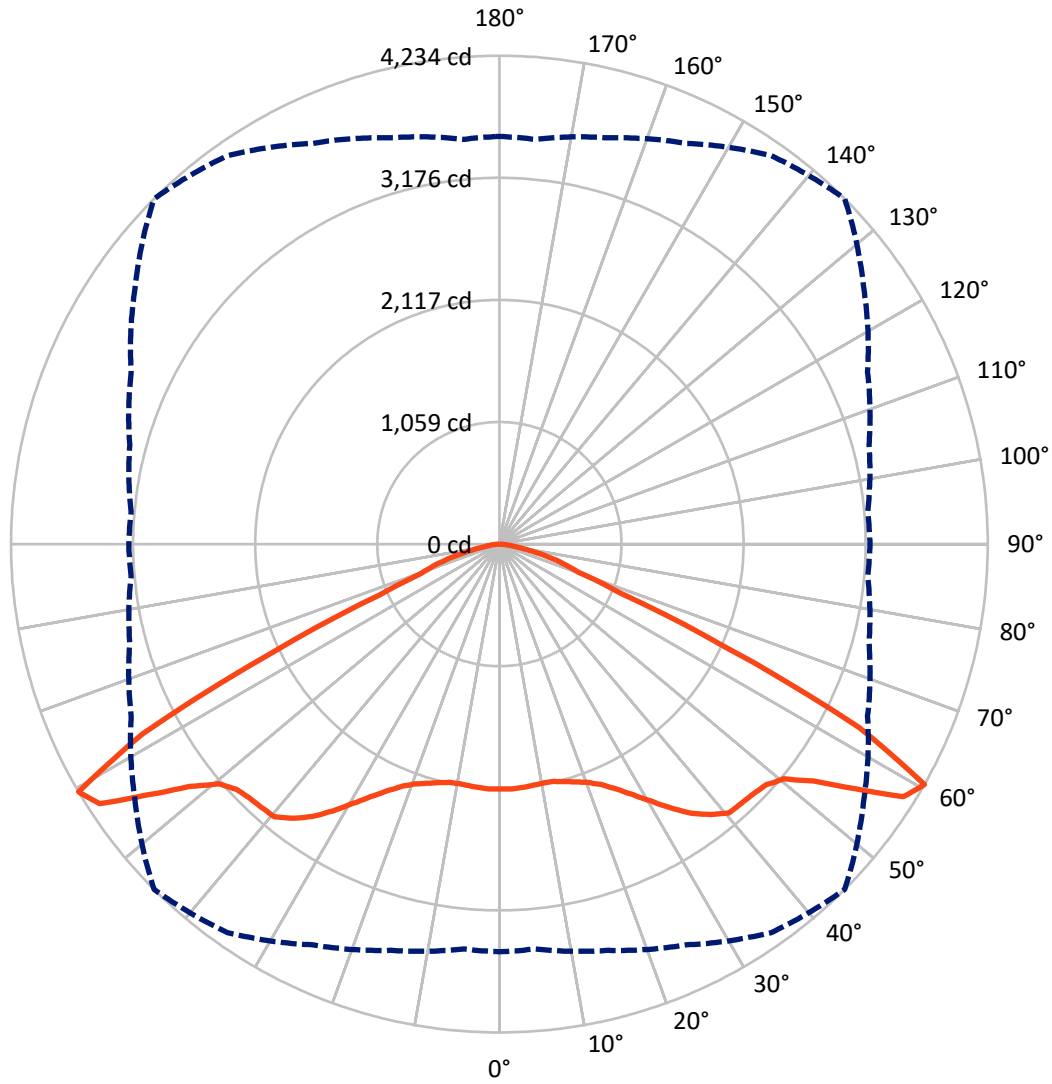
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 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	5809.7	0.0	5809.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5809.7	0.0	5809.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11619.5	0.0	11619.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.7
10°-20°	605.7	5.2
20°-30°	1071.6	9.2
30°-40°	1725.3	14.8
40°-50°	2371.4	20.4
50°-60°	3160.2	27.2
60°-70°	1969.6	17.0
70°-80°	452.9	3.9
80°-90°	61.4	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°	11619.5	100.0
0°-180°	11619.5	100.0

Coefficient of Utilization



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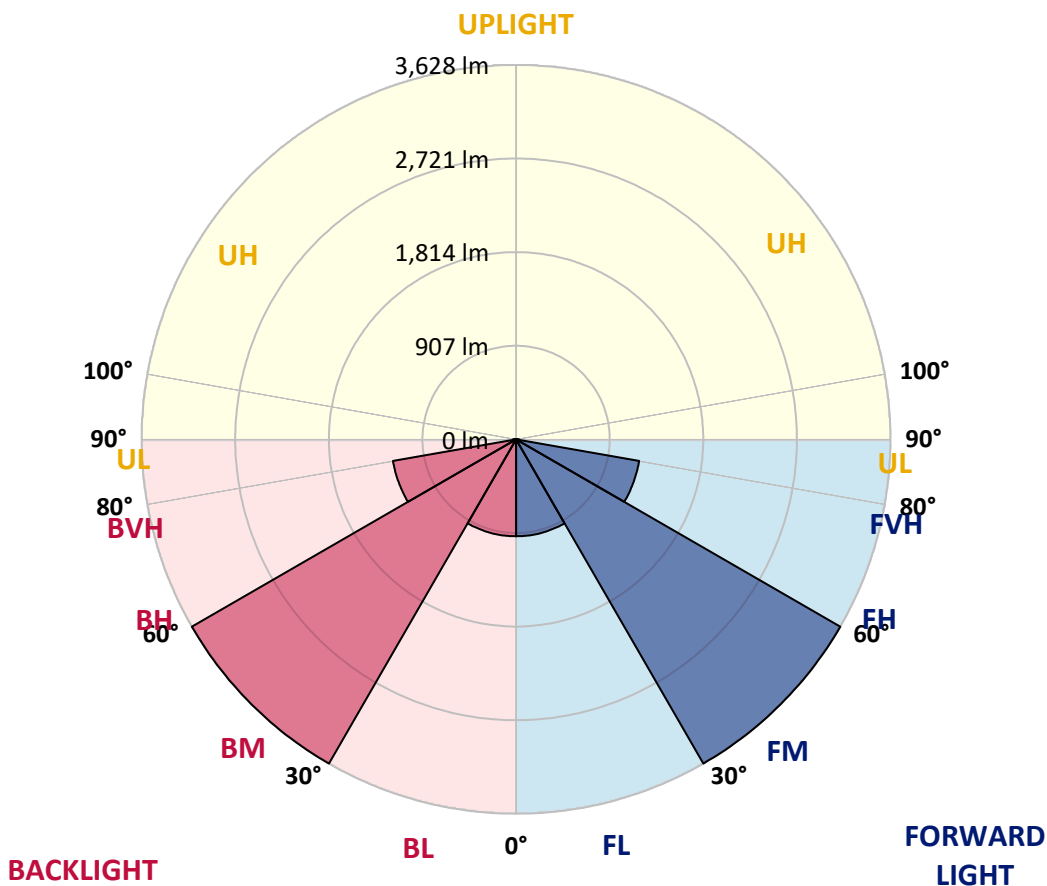
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.4	8.1			
FM (30°-60°)	3628.4	31.2			
FH (60°-80°)	1211.2	10.4			G1/1800
FVH (80°-90°)	30.7	0.3			G1/100
BL (0°-30°)	939.4	8.1	B2/1000		
BM (30°-60°)	3628.4	31.2	B3/5000		
BH (60°-80°)	1211.2	10.4	B3/2500		G1/1800
BVH (80°-90°)	30.7	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°	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4	2123.4
2.5°	2108.7	2110.6	2114.6	2117.5	2121.5	2125.4	2127.4	2123.4	2121.5	2113.6	2122.5
5°	2110.6	2112.6	2115.6	2115.6	2116.5	2119.5	2119.5	2114.6	2109.6	2100.8	2110.6
7.5°	2107.7	2109.6	2110.6	2109.6	2110.6	2111.6	2109.6	2103.7	2098.8	2090.9	2098.8
10°	2102.7	2104.7	2106.7	2104.7	2102.7	2105.7	2105.7	2101.7	2098.8	2090.9	2099.8
12.5°	2113.6	2116.5	2117.5	2112.6	2110.6	2111.6	2111.6	2107.7	2107.7	2100.8	2110.6
15°	2139.2	2141.2	2138.2	2132.3	2133.3	2136.3	2129.4	2119.5	2117.5	2114.6	2122.5
17.5°	2159.0	2160.9	2158.0	2154.0	2160.9	2167.8	2155.0	2136.3	2130.4	2128.4	2137.3
20°	2180.7	2183.6	2179.7	2184.6	2198.4	2206.3	2190.5	2164.9	2153.0	2150.1	2160.9
22.5°	2216.2	2220.1	2220.1	2231.0	2251.7	2264.5	2244.8	2210.2	2192.5	2187.6	2198.4
25°	2272.4	2275.3	2278.3	2300.0	2333.5	2351.3	2319.7	2272.4	2247.7	2239.8	2245.7
27.5°	2350.3	2355.2	2360.2	2391.7	2433.1	2458.8	2413.4	2354.2	2323.7	2307.9	2319.7
30°	2443.0	2449.9	2461.7	2497.2	2555.4	2584.0	2525.8	2453.8	2419.3	2402.6	2418.3
32.5°	2569.2	2570.2	2579.1	2618.6	2695.5	2728.0	2655.0	2575.2	2539.7	2519.9	2528.8
35°	2719.2	2720.1	2706.3	2746.8	2829.6	2866.1	2780.3	2699.4	2669.8	2663.9	2686.6
37.5°	2873.0	2864.1	2850.3	2868.1	2951.9	2975.6	2884.9	2815.8	2803.0	2813.8	2847.4
40°	2982.5	2967.7	2940.1	2952.9	3037.7	3065.3	2968.7	2903.6	2899.6	2926.3	2966.7
42.5°	3053.5	3037.7	3005.2	3005.2	3063.4	3075.2	3000.2	2965.7	2974.6	3005.2	3043.6
45°	3088.0	3079.1	3060.4	3050.5	3083.1	3088.0	3030.8	3017.0	3033.8	3048.6	3078.2
47.5°	3114.7	3114.7	3108.7	3098.9	3113.7	3116.6	3074.2	3070.3	3092.0	3092.0	3111.7
50°	3162.0	3166.9	3174.8	3172.8	3188.6	3198.5	3166.9	3161.0	3169.9	3141.3	3151.1
52.5°	3286.3	3299.1	3321.8	3339.5	3380.0	3410.5	3354.3	3307.0	3260.6	3197.5	3199.5
55°	3509.2	3515.1	3559.5	3611.7	3679.8	3741.9	3626.5	3479.6	3379.0	3305.0	3306.0
57.5°	3697.5	3706.4	3771.5	3881.0	4033.9	4130.5	3875.1	3629.5	3487.5	3396.7	3399.7
60°	3534.8	3523.0	3646.3	3833.6	4110.8	4234.1	3857.3	3522.0	3317.8	3205.4	3213.3
62.5°	2734.9	2712.3	2849.3	3045.6	3378.0	3501.3	3154.1	2832.6	2639.3	2551.5	2538.7
65°	1664.8	1644.1	1742.7	1863.1	2087.9	2165.9	2007.1	1836.4	1667.8	1614.5	1599.7
67.5°	906.4	903.4	930.1	989.2	1087.9	1124.4	1093.8	1012.9	969.5	932.0	932.0
70°	719.0	713.1	708.1	709.1	718.0	722.9	723.9	720.0	724.9	725.9	722.0
72.5°	595.7	593.7	583.9	584.9	580.9	578.9	585.8	589.8	597.7	598.7	598.7
75°	432.0	427.1	432.0	433.0	429.0	429.0	434.0	433.0	436.9	438.9	428.0
77.5°	245.6	245.6	252.5	260.4	266.3	266.3	271.2	271.2	276.2	275.2	273.2
80°	135.1	135.1	139.1	144.0	149.9	155.8	160.8	161.7	164.7	163.7	160.8
82.5°	76.9	77.9	79.9	82.8	88.8	93.7	98.6	99.6	102.6	102.6	99.6
85°	36.5	35.5	36.5	38.5	41.4	45.4	50.3	53.3	55.2	55.2	53.3
87.5°	6.9	7.9	6.9	7.9	8.9	11.8	13.8	15.8	18.7	19.7	17.8
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)