

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: P634775

Luminaire Tested: GWS-SA3C-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634775
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11781 lumens
Efficiency: N/A
Efficacy: 126.7 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

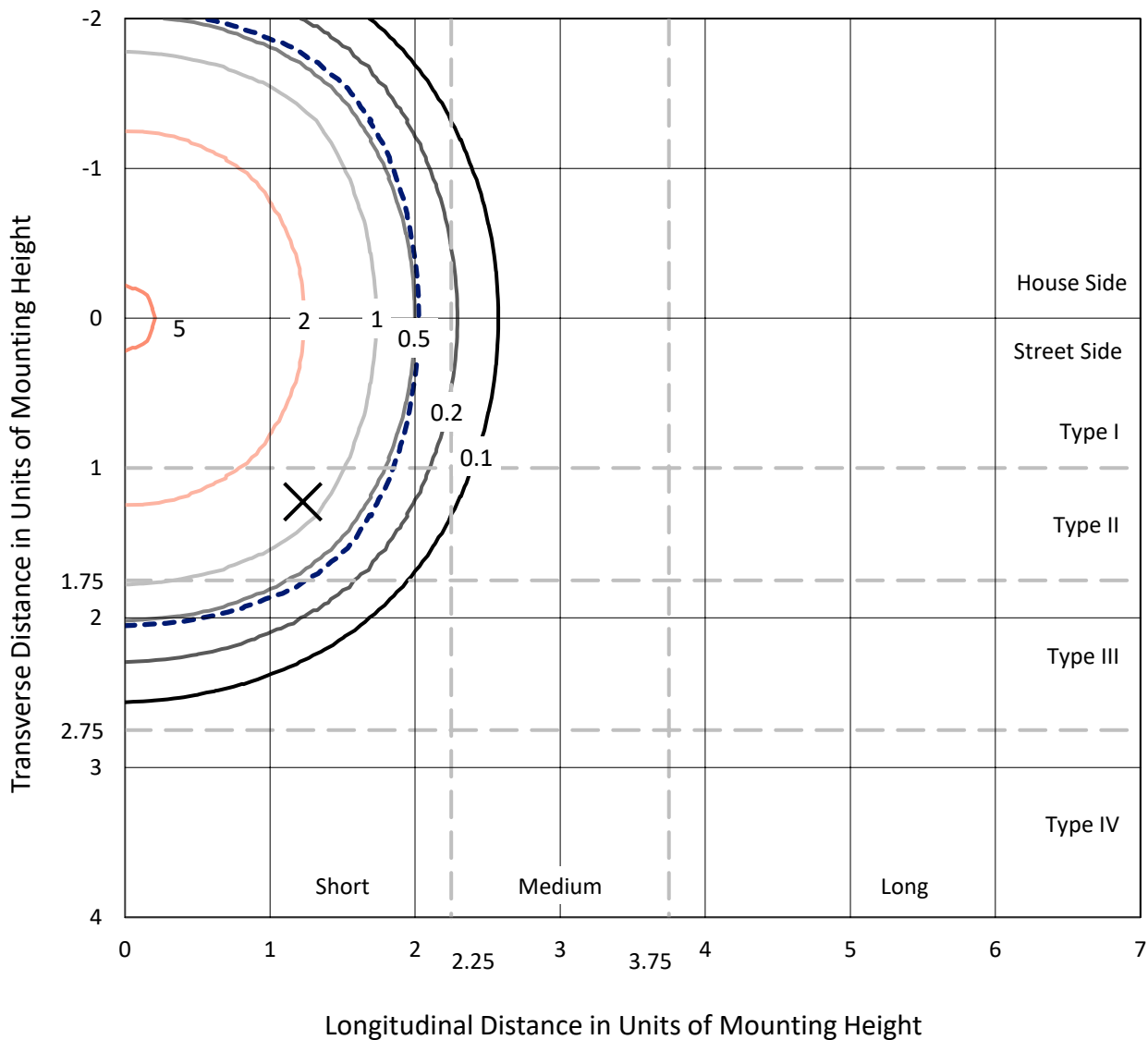
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

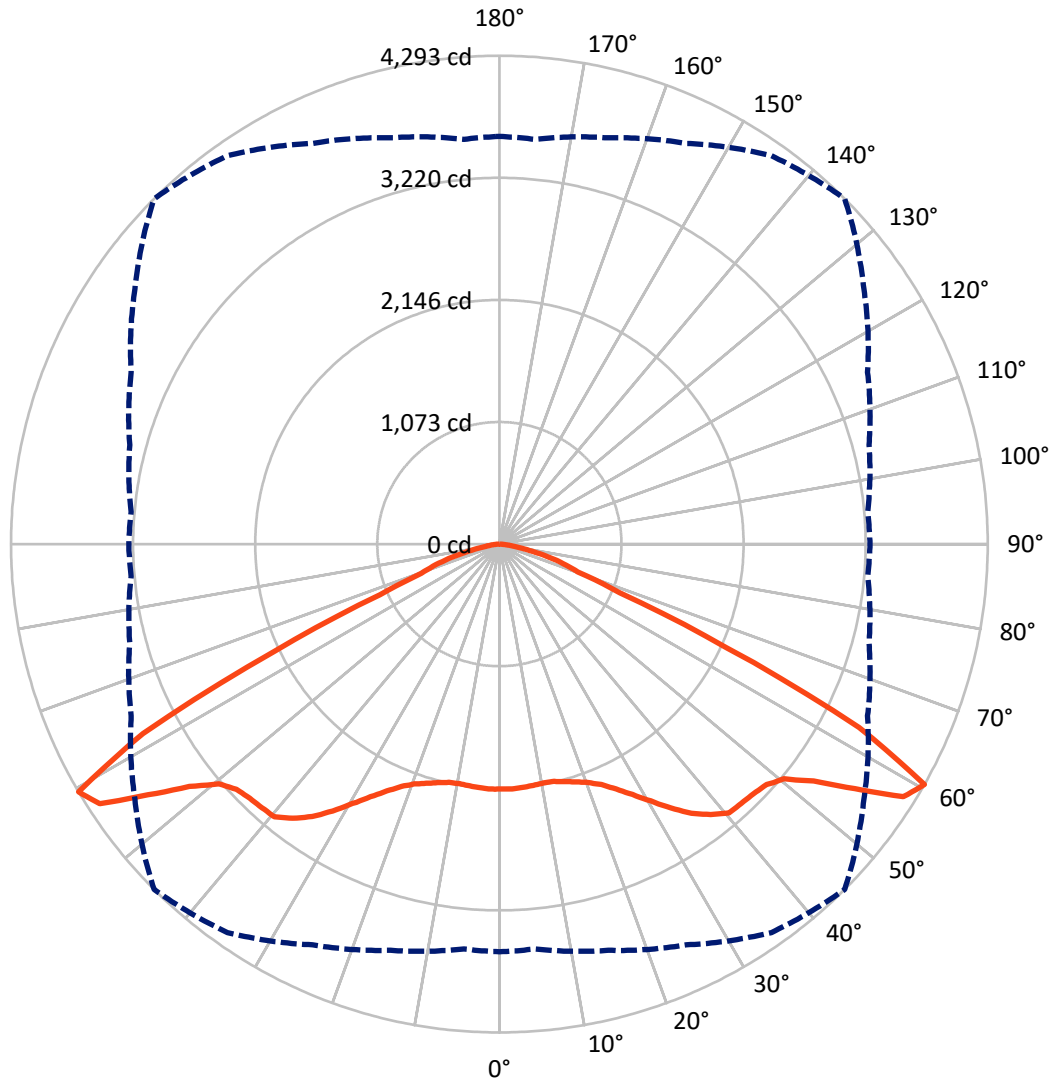
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 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	5890.5	0.0	5890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5890.5	0.0	5890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11781.0	0.0	11781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	1.7
10°-20°	614.1	5.2
20°-30°	1086.5	9.2
30°-40°	1749.3	14.8
40°-50°	2404.3	20.4
50°-60°	3204.0	27.2
60°-70°	1996.9	17.0
70°-80°	459.2	3.9
80°-90°	62.3	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°	11781.0	100.0
0°-180°	11781.0	100.0

Coefficient of Utilization



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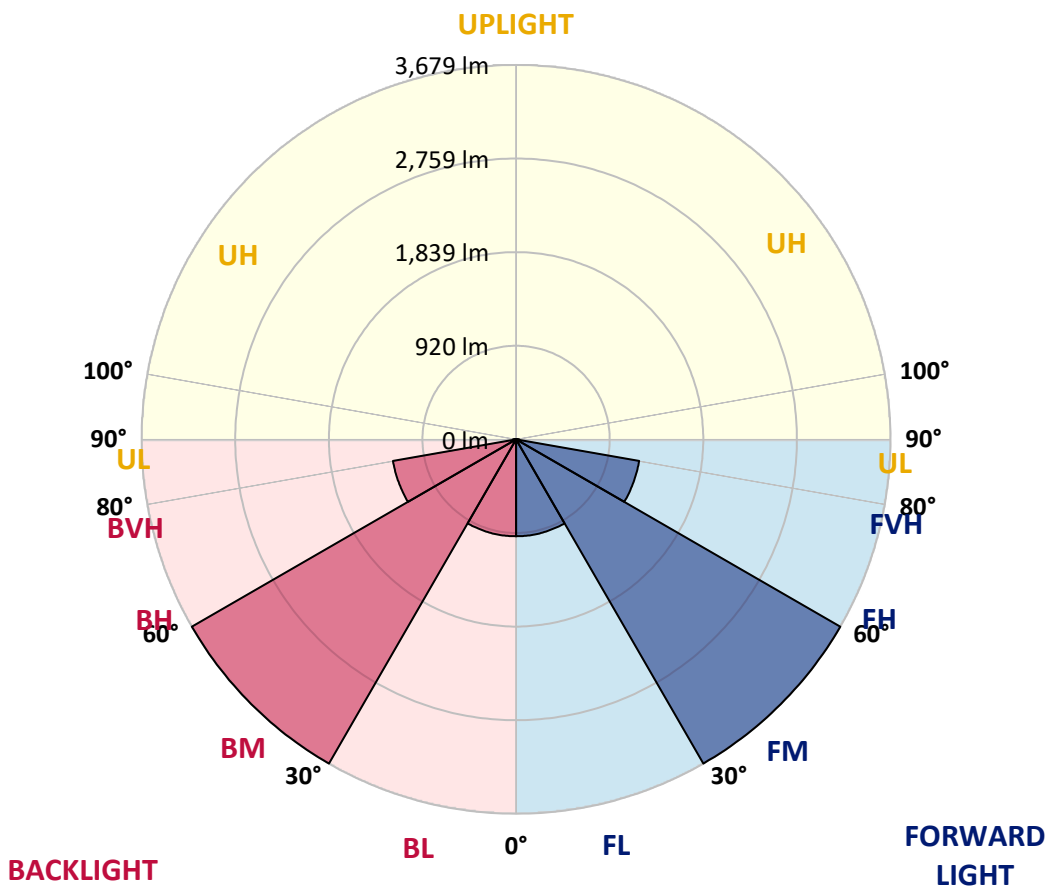
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.4	8.1			
FM (30°-60°)	3678.8	31.2			
FH (60°-80°)	1228.1	10.4			G1/1800
FVH (80°-90°)	31.1	0.3			G1/100
BL (0°-30°)	952.4	8.1	B2/1000		
BM (30°-60°)	3678.8	31.2	B3/5000		
BH (60°-80°)	1228.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	31.1	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°	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0	2153.0
2.5°	2138.0	2140.0	2144.0	2147.0	2151.0	2155.0	2157.0	2153.0	2151.0	2143.0	2152.0
5°	2140.0	2142.0	2145.0	2145.0	2146.0	2149.0	2149.0	2144.0	2139.0	2130.0	2140.0
7.5°	2137.0	2139.0	2140.0	2139.0	2140.0	2141.0	2139.0	2133.0	2128.0	2120.0	2128.0
10°	2132.0	2134.0	2136.0	2134.0	2132.0	2135.0	2135.0	2131.0	2128.0	2120.0	2129.0
12.5°	2143.0	2146.0	2147.0	2142.0	2140.0	2141.0	2141.0	2137.0	2137.0	2130.0	2140.0
15°	2169.0	2171.0	2168.0	2162.0	2163.0	2166.0	2159.0	2149.0	2147.0	2144.0	2152.0
17.5°	2189.0	2191.0	2188.0	2184.0	2191.0	2198.0	2185.0	2166.0	2160.0	2158.0	2167.0
20°	2211.0	2214.0	2210.0	2215.0	2229.0	2237.0	2221.0	2195.0	2183.0	2180.0	2191.0
22.5°	2247.0	2251.0	2251.0	2262.0	2283.0	2296.0	2276.0	2241.0	2223.0	2218.0	2229.0
25°	2304.0	2307.0	2310.0	2332.0	2366.0	2384.0	2352.0	2304.0	2279.0	2271.0	2277.0
27.5°	2383.0	2388.0	2393.0	2425.0	2467.0	2493.0	2447.0	2387.0	2356.0	2340.0	2352.0
30°	2477.0	2484.0	2496.0	2532.0	2591.0	2620.0	2561.0	2488.0	2453.0	2436.0	2452.0
32.5°	2605.0	2606.0	2615.0	2655.0	2733.0	2765.9	2692.0	2611.0	2575.0	2555.0	2564.0
35°	2756.9	2757.9	2744.0	2784.9	2868.9	2905.9	2818.9	2737.0	2707.0	2701.0	2724.0
37.5°	2912.9	2903.9	2889.9	2907.9	2992.9	3016.9	2924.9	2854.9	2841.9	2852.9	2886.9
40°	3023.9	3008.9	2980.9	2993.9	3079.9	3107.9	3009.9	2943.9	2939.9	2966.9	3007.9
42.5°	3095.9	3079.9	3046.9	3046.9	3105.9	3117.9	3041.9	3006.9	3015.9	3046.9	3085.9
45°	3130.9	3121.9	3102.9	3092.9	3125.9	3130.9	3072.9	3058.9	3075.9	3090.9	3120.9
47.5°	3157.9	3157.9	3151.9	3141.9	3156.9	3159.9	3116.9	3112.9	3134.9	3134.9	3154.9
50°	3205.9	3210.9	3218.9	3216.9	3232.9	3242.9	3210.9	3204.9	3213.9	3184.9	3194.9
52.5°	3331.9	3344.9	3367.9	3385.9	3426.9	3457.9	3400.9	3352.9	3305.9	3241.9	3243.9
55°	3557.9	3563.9	3608.9	3661.9	3730.9	3793.9	3676.9	3527.9	3425.9	3350.9	3351.9
57.5°	3748.9	3757.9	3823.9	3934.9	4089.9	4187.9	3928.9	3679.9	3535.9	3443.9	3446.9
60°	3583.9	3571.9	3696.9	3886.9	4167.9	4292.9	3910.9	3570.9	3363.9	3249.9	3257.9
62.5°	2772.9	2750.0	2888.9	3087.9	3424.9	3549.9	3197.9	2871.9	2676.0	2587.0	2574.0
65°	1688.0	1667.0	1767.0	1889.0	2117.0	2196.0	2035.0	1862.0	1691.0	1637.0	1622.0
67.5°	919.0	916.0	943.0	1003.0	1103.0	1140.0	1109.0	1027.0	983.0	945.0	945.0
70°	729.0	723.0	718.0	719.0	728.0	733.0	734.0	730.0	735.0	736.0	732.0
72.5°	604.0	602.0	592.0	593.0	589.0	587.0	594.0	598.0	606.0	607.0	607.0
75°	438.0	433.0	438.0	439.0	435.0	435.0	440.0	439.0	443.0	445.0	434.0
77.5°	249.0	249.0	256.0	264.0	270.0	270.0	275.0	275.0	280.0	279.0	277.0
80°	137.0	137.0	141.0	146.0	152.0	158.0	163.0	164.0	167.0	166.0	163.0
82.5°	78.0	79.0	81.0	84.0	90.0	95.0	100.0	101.0	104.0	104.0	101.0
85°	37.0	36.0	37.0	39.0	42.0	46.0	51.0	54.0	56.0	56.0	54.0
87.5°	7.0	8.0	7.0	8.0	9.0	12.0	14.0	16.0	19.0	20.0	18.0
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)