

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: P634830

Luminaire Tested: GWS-SA3C-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634830
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12051 lumens
Efficiency: N/A
Efficacy: 129.6 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

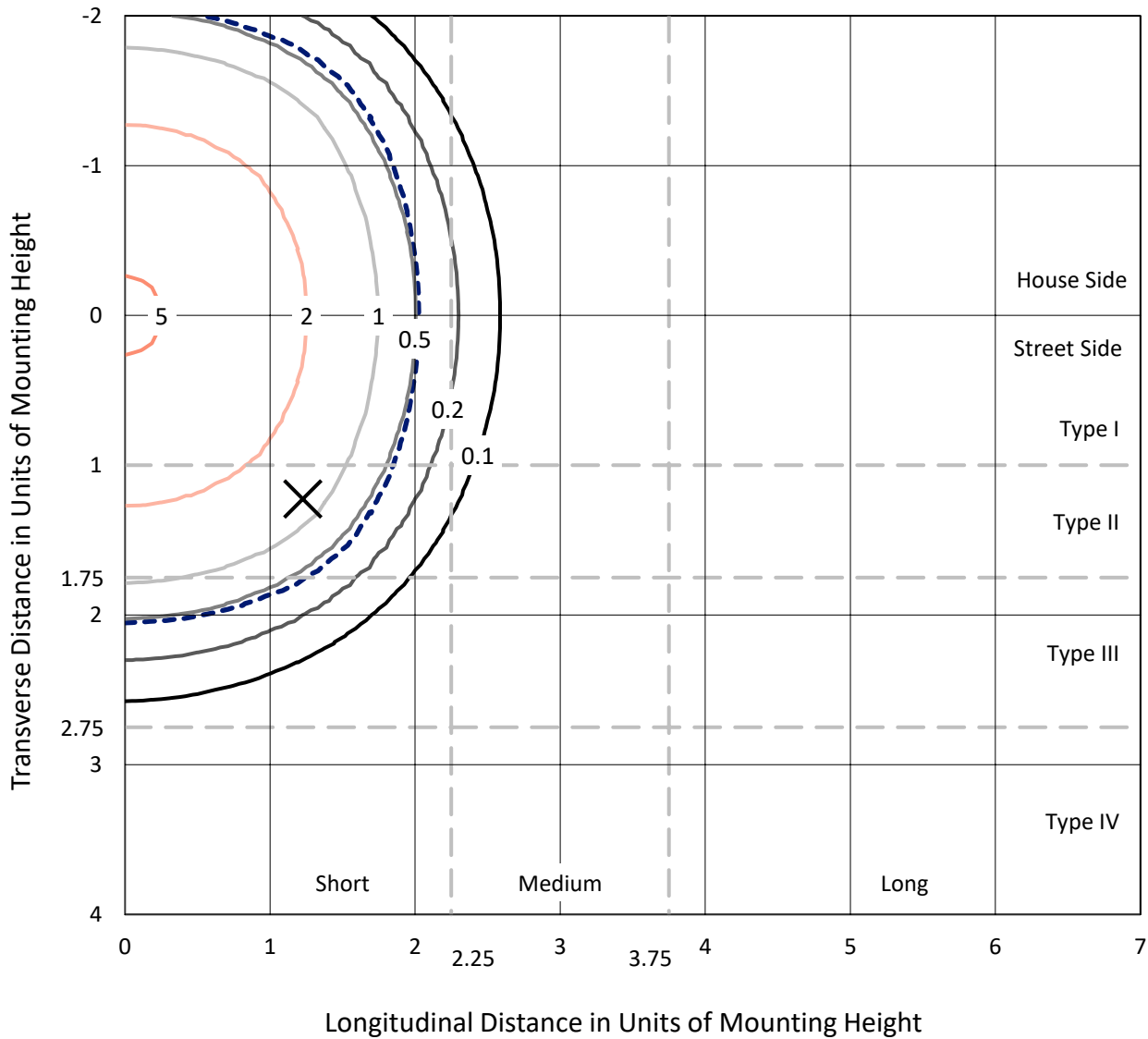
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

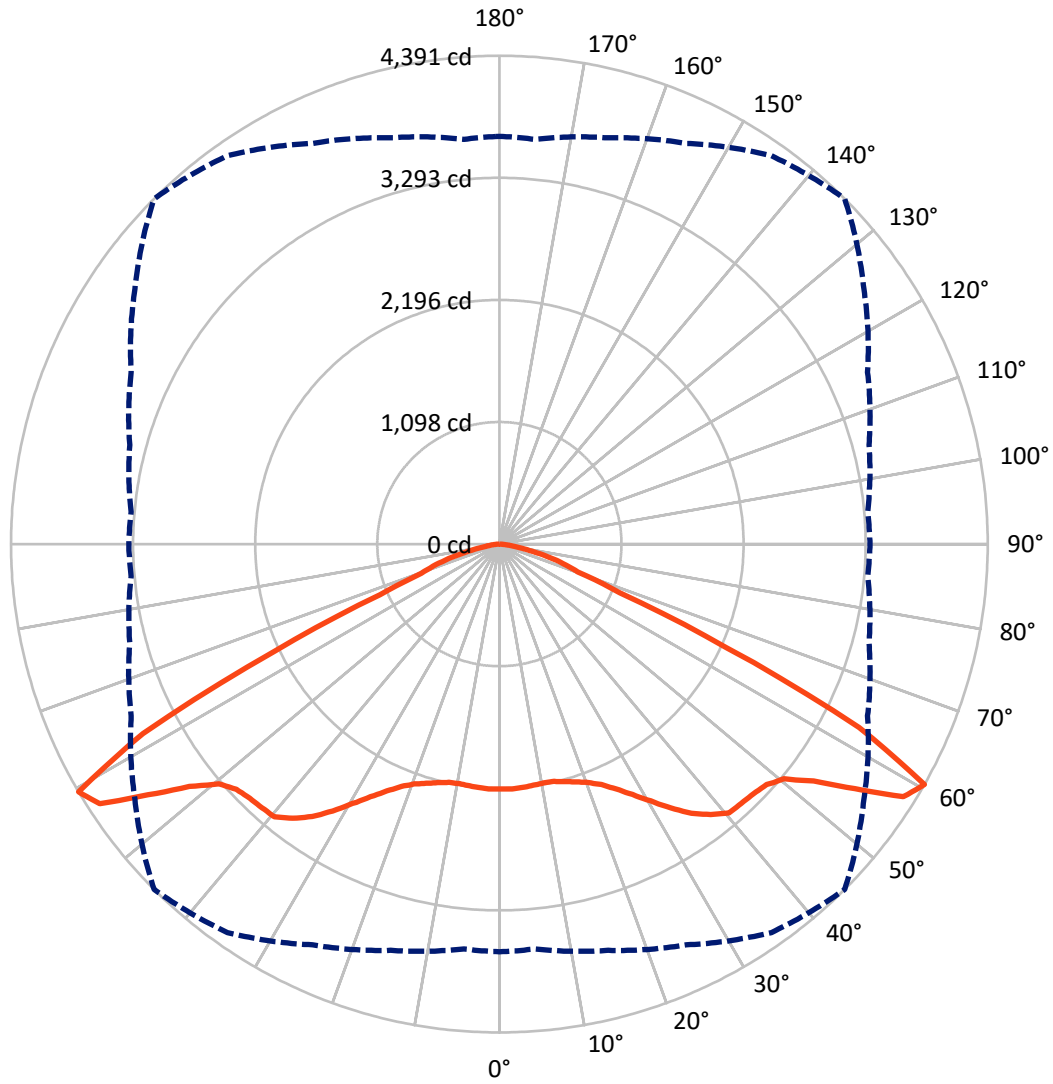
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	6025.5	0.0	6025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6025.5	0.0	6025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12051.0	0.0	12051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	1.7
10°-20°	628.2	5.2
20°-30°	1111.4	9.2
30°-40°	1789.4	14.8
40°-50°	2459.5	20.4
50°-60°	3277.5	27.2
60°-70°	2042.7	17.0
70°-80°	469.7	3.9
80°-90°	63.7	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°	12051.0	100.0
0°-180°	12051.0	100.0

Coefficient of Utilization



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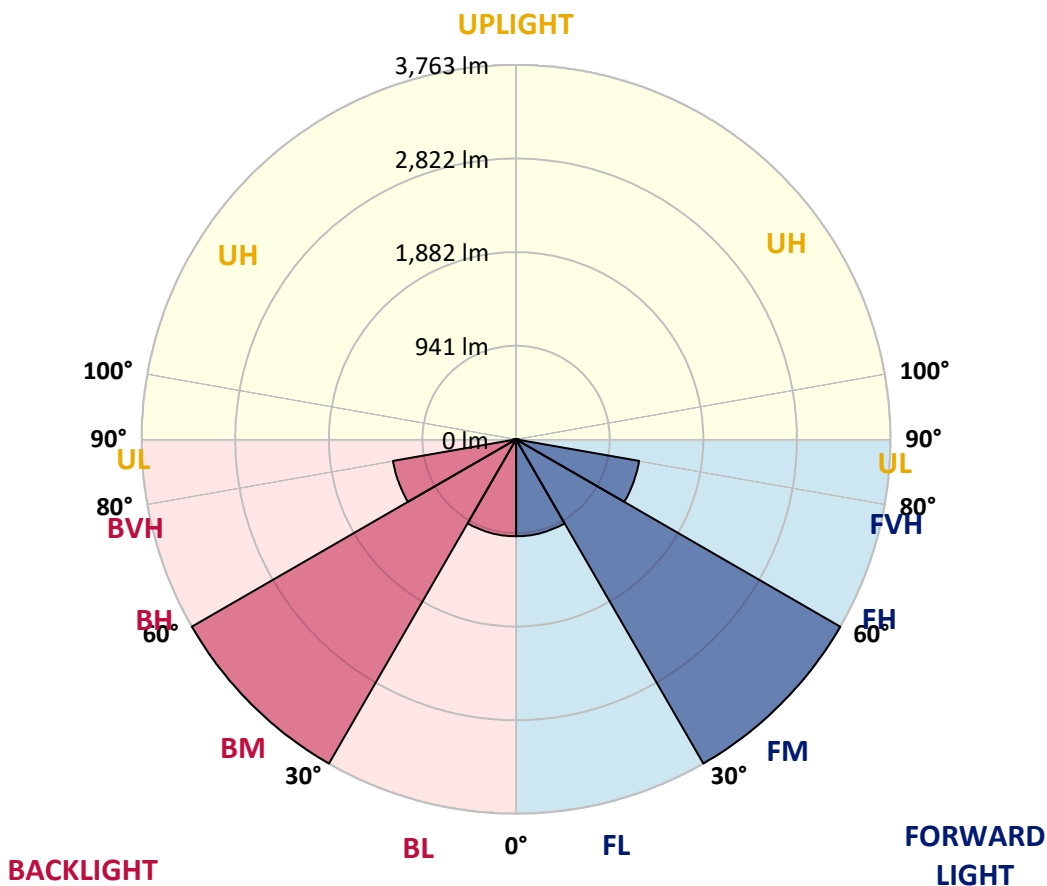
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.2	8.1			
FM (30°-60°)	3763.2	31.2			
FH (60°-80°)	1256.2	10.4			G1/1800
FVH (80°-90°)	31.9	0.3			G1/100
BL (0°-30°)	974.2	8.1	B2/1000		
BM (30°-60°)	3763.2	31.2	B3/5000		
BH (60°-80°)	1256.2	10.4	B3/2500		G1/1800
BVH (80°-90°)	31.9	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°	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3	2202.3
2.5°	2187.0	2189.0	2193.1	2196.2	2200.3	2204.3	2206.4	2202.3	2200.3	2192.1	2201.3
5°	2189.0	2191.1	2194.1	2194.1	2195.1	2198.2	2198.2	2193.1	2188.0	2178.8	2189.0
7.5°	2185.9	2188.0	2189.0	2188.0	2189.0	2190.0	2188.0	2181.8	2176.7	2168.5	2176.7
10°	2180.8	2182.9	2184.9	2182.9	2180.8	2183.9	2183.9	2179.8	2176.7	2168.5	2177.8
12.5°	2192.1	2195.1	2196.2	2191.1	2189.0	2190.0	2190.0	2185.9	2185.9	2178.8	2189.0
15°	2218.7	2220.7	2217.6	2211.5	2212.5	2215.6	2208.4	2198.2	2196.2	2193.1	2201.3
17.5°	2239.1	2241.2	2238.1	2234.0	2241.2	2248.3	2235.0	2215.6	2209.5	2207.4	2216.6
20°	2261.6	2264.7	2260.6	2265.7	2280.0	2288.2	2271.9	2245.3	2233.0	2229.9	2241.2
22.5°	2298.5	2302.5	2302.5	2313.8	2335.3	2348.6	2328.1	2292.3	2273.9	2268.8	2280.0
25°	2356.8	2359.8	2362.9	2385.4	2420.2	2438.6	2405.9	2356.8	2331.2	2323.0	2329.1
27.5°	2437.6	2442.7	2447.8	2480.5	2523.5	2550.1	2503.0	2441.7	2410.0	2393.6	2405.9
30°	2533.7	2540.9	2553.2	2590.0	2650.3	2680.0	2619.6	2545.0	2509.2	2491.8	2508.2
32.5°	2664.7	2665.7	2674.9	2715.8	2795.6	2829.3	2753.6	2670.8	2634.0	2613.5	2622.7
35°	2820.1	2821.2	2806.8	2848.8	2934.7	2972.5	2883.6	2799.7	2769.0	2762.9	2786.4
37.5°	2979.7	2970.5	2956.2	2974.6	3061.5	3086.1	2992.0	2920.4	2907.1	2918.3	2953.1
40°	3093.2	3077.9	3049.3	3062.6	3150.5	3179.2	3078.9	3011.4	3007.3	3034.9	3076.9
42.5°	3166.9	3150.5	3116.8	3116.8	3177.1	3189.4	3111.7	3075.9	3085.1	3116.8	3156.7
45°	3202.7	3193.5	3174.1	3163.8	3197.6	3202.7	3143.4	3129.1	3146.4	3161.8	3192.5
47.5°	3230.3	3230.3	3224.2	3214.0	3229.3	3232.4	3188.4	3184.3	3206.8	3206.8	3227.2
50°	3279.4	3284.5	3292.7	3290.7	3307.0	3317.3	3284.5	3278.4	3287.6	3257.9	3268.2
52.5°	3408.3	3421.6	3445.1	3463.5	3505.5	3537.2	3478.9	3429.8	3381.7	3316.2	3318.3
55°	3639.5	3645.6	3691.6	3745.9	3816.4	3880.9	3761.2	3608.8	3504.5	3427.7	3428.8
57.5°	3834.9	3844.1	3911.6	4025.1	4183.7	4283.9	4019.0	3764.3	3617.0	3522.9	3525.9
60°	3666.1	3653.8	3781.7	3976.0	4263.4	4391.3	4000.6	3652.8	3441.0	3324.4	3332.6
62.5°	2836.5	2813.0	2955.2	3158.7	3503.4	3631.3	3271.2	2937.8	2737.3	2646.2	2632.9
65°	1726.7	1705.2	1807.5	1932.3	2165.5	2246.3	2081.6	1904.6	1729.7	1674.5	1659.1
67.5°	940.0	937.0	964.6	1026.0	1128.3	1166.1	1134.4	1050.5	1005.5	966.6	966.6
70°	745.7	739.6	734.4	735.5	744.7	749.8	750.8	746.7	751.8	752.9	748.8
72.5°	617.8	615.8	605.6	606.6	602.5	600.4	607.6	611.7	619.9	620.9	620.9
75°	448.0	442.9	448.0	449.1	445.0	445.0	450.1	449.1	453.1	455.2	443.9
77.5°	254.7	254.7	261.9	270.0	276.2	276.2	281.3	281.3	286.4	285.4	283.3
80°	140.1	140.1	144.2	149.3	155.5	161.6	166.7	167.8	170.8	169.8	166.7
82.5°	79.8	80.8	82.9	85.9	92.1	97.2	102.3	103.3	106.4	106.4	103.3
85°	37.8	36.8	37.8	39.9	43.0	47.1	52.2	55.2	57.3	57.3	55.2
87.5°	7.2	8.2	7.2	8.2	9.2	12.3	14.3	16.4	19.4	20.5	18.4
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)