

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: P633730

Luminaire Tested: GWS-SA2F-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633730
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-SA2F-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: 13513 lumens
Efficiency: N/A
Efficacy: 108.5 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): 124.5
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

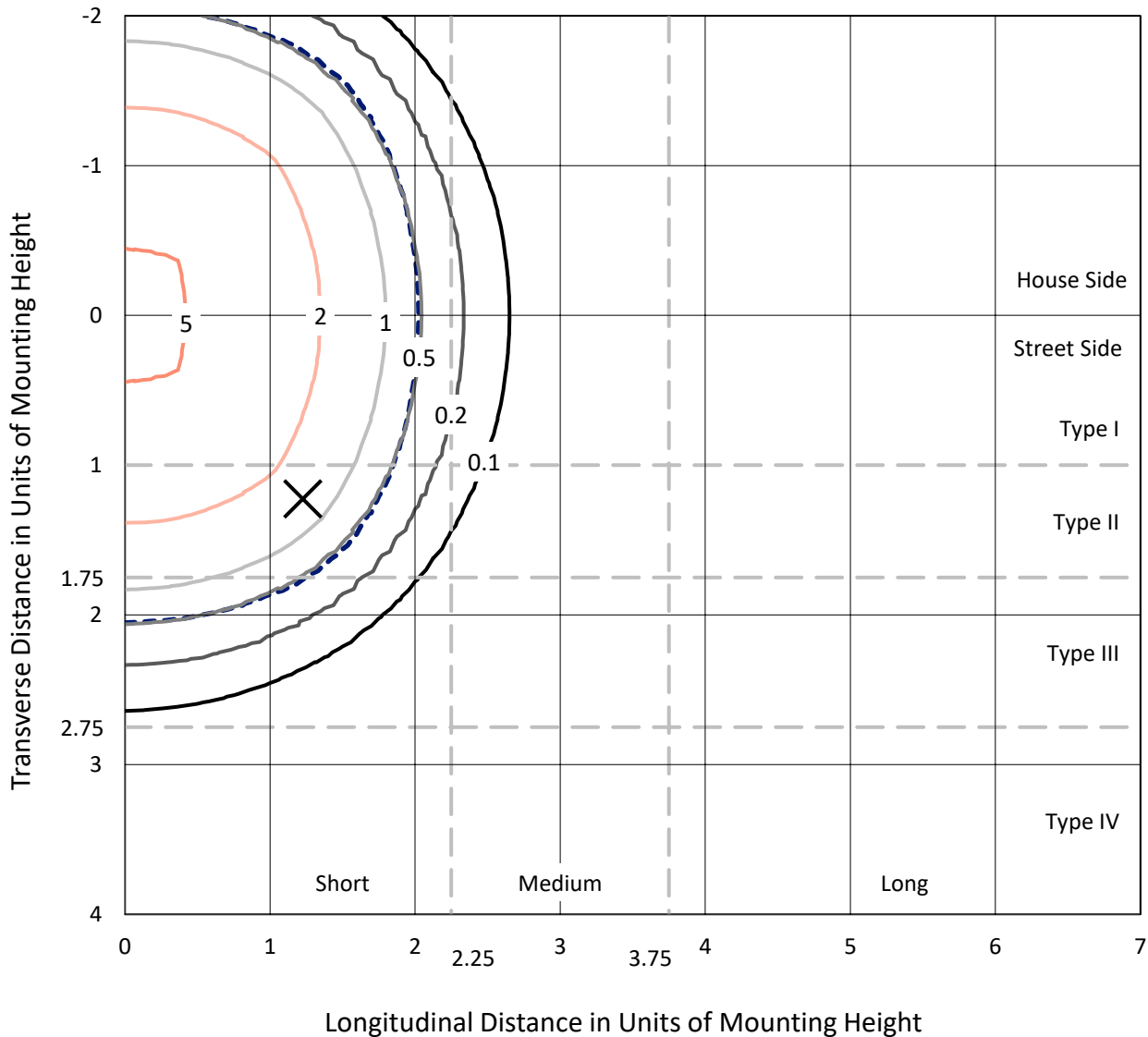


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Iso-Footcandle Lines of Horizontal Illumination

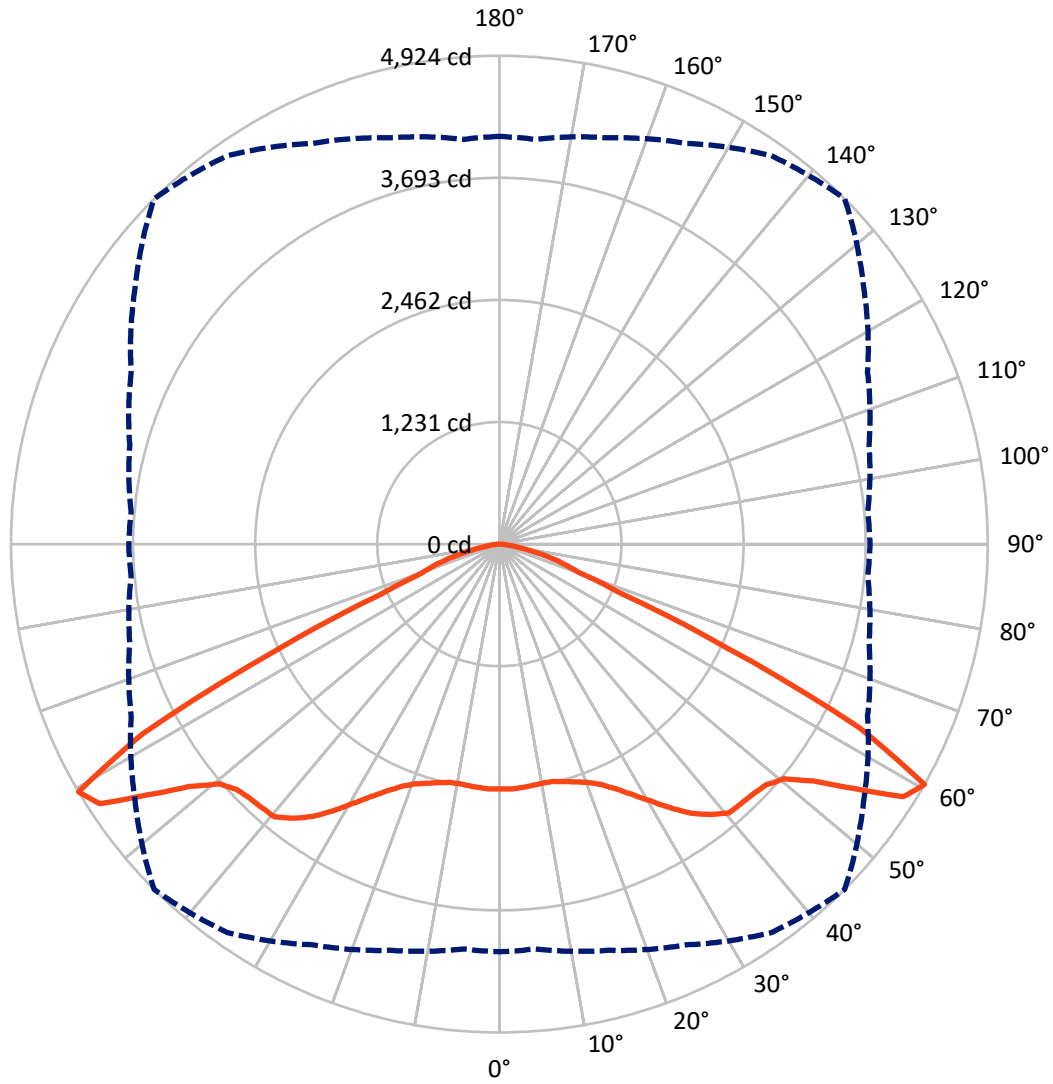
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 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	6756.5	0.0	6756.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6756.5	0.0	6756.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13513.0	0.0	13513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.2	1.7
10°-20°	704.4	5.2
20°-30°	1246.2	9.2
30°-40°	2006.5	14.8
40°-50°	2757.9	20.4
50°-60°	3675.1	27.2
60°-70°	2290.5	17.0
70°-80°	526.7	3.9
80°-90°	71.5	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°	13513.0	100.0
0°-180°	13513.0	100.0

Coefficient of Utilization



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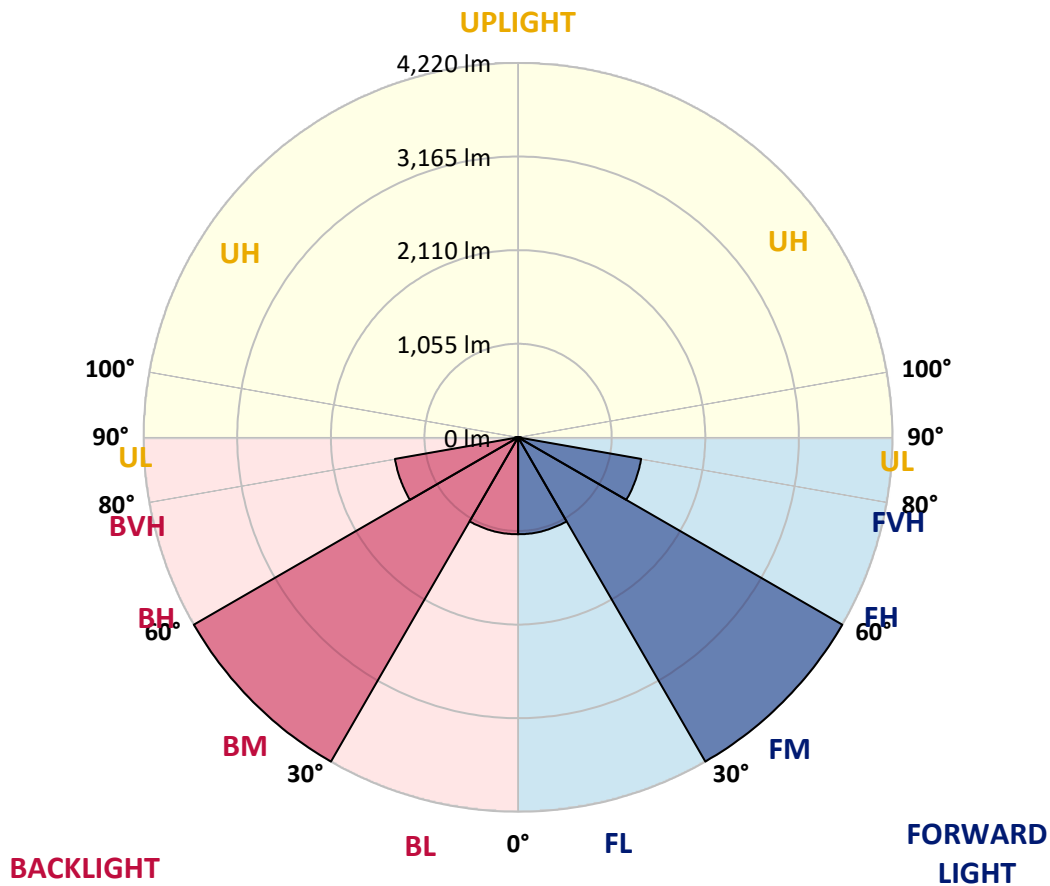
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.4	8.1			
FM (30°-60°)	4219.7	31.2			
FH (60°-80°)	1408.6	10.4			G1/1800
FVH (80°-90°)	35.7	0.3			G1/100
BL (0°-30°)	1092.4	8.1	B3/2500		
BM (30°-60°)	4219.7	31.2	B3/5000		
BH (60°-80°)	1408.6	10.4	B3/2500		G1/1800
BVH (80°-90°)	35.7	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°	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5	2469.5
2.5°	2452.3	2454.6	2459.2	2462.6	2467.2	2471.8	2474.1	2469.5	2467.2	2458.0	2468.3
5°	2454.6	2456.9	2460.3	2460.3	2461.5	2464.9	2464.9	2459.2	2453.4	2443.1	2454.6
7.5°	2451.1	2453.4	2454.6	2453.4	2454.6	2455.7	2453.4	2446.5	2440.8	2431.6	2440.8
10°	2445.4	2447.7	2450.0	2447.7	2445.4	2448.8	2448.8	2444.2	2440.8	2431.6	2442.0
12.5°	2458.0	2461.5	2462.6	2456.9	2454.6	2455.7	2455.7	2451.1	2451.1	2443.1	2454.6
15°	2487.8	2490.1	2486.7	2479.8	2481.0	2484.4	2476.4	2464.9	2462.6	2459.2	2468.3
17.5°	2510.8	2513.1	2509.6	2505.0	2513.1	2521.1	2506.2	2484.4	2477.5	2475.2	2485.5
20°	2536.0	2539.4	2534.9	2540.6	2556.7	2565.8	2547.5	2517.7	2503.9	2500.5	2513.1
22.5°	2577.3	2581.9	2581.9	2594.5	2618.6	2633.5	2610.6	2570.4	2549.8	2544.0	2556.7
25°	2642.7	2646.1	2649.6	2674.8	2713.8	2734.4	2697.7	2642.7	2614.0	2604.8	2611.7
27.5°	2733.3	2739.0	2744.8	2781.5	2829.6	2859.5	2806.7	2737.9	2702.3	2684.0	2697.7
30°	2841.1	2849.1	2862.9	2904.2	2971.9	3005.1	2937.5	2853.7	2813.6	2794.1	2812.4
32.5°	2987.9	2989.1	2999.4	3045.3	3134.7	3172.6	3087.7	2994.8	2953.5	2930.6	2940.9
35°	3162.3	3163.4	3147.4	3194.4	3290.7	3333.2	3233.4	3139.3	3104.9	3098.0	3124.4
37.5°	3341.2	3330.9	3314.8	3335.5	3433.0	3460.5	3355.0	3274.7	3259.8	3272.4	3311.4
40°	3468.5	3451.3	3419.2	3434.1	3532.7	3564.9	3452.5	3376.8	3372.2	3403.1	3450.2
42.5°	3551.1	3532.7	3494.9	3494.9	3562.6	3576.3	3489.2	3449.0	3459.3	3494.9	3539.6
45°	3591.2	3580.9	3559.1	3547.7	3585.5	3591.2	3524.7	3508.7	3528.2	3545.4	3579.8
47.5°	3622.2	3622.2	3615.3	3603.9	3621.1	3624.5	3575.2	3570.6	3595.8	3595.8	3618.8
50°	3677.3	3683.0	3692.2	3689.9	3708.2	3719.7	3683.0	3676.1	3686.4	3653.2	3664.7
52.5°	3821.8	3836.7	3863.1	3883.7	3930.8	3966.3	3900.9	3845.9	3792.0	3718.6	3720.9
55°	4081.0	4087.9	4139.5	4200.3	4279.4	4351.7	4217.5	4046.6	3929.6	3843.6	3844.7
57.5°	4300.1	4310.4	4386.1	4513.4	4691.2	4803.6	4506.5	4220.9	4055.8	3950.3	3953.7
60°	4110.8	4097.1	4240.4	4458.4	4780.7	4924.1	4485.9	4095.9	3858.5	3727.7	3736.9
62.5°	3180.6	3154.2	3313.7	3541.9	3928.5	4071.8	3668.1	3294.2	3069.4	2967.3	2952.4
65°	1936.1	1912.0	2026.7	2166.7	2428.2	2518.8	2334.1	2135.7	1939.6	1877.6	1860.4
67.5°	1054.1	1050.6	1081.6	1150.4	1265.1	1307.6	1272.0	1178.0	1127.5	1083.9	1083.9
70°	836.2	829.3	823.5	824.7	835.0	840.7	841.9	837.3	843.0	844.2	839.6
72.5°	692.8	690.5	679.0	680.2	675.6	673.3	681.3	685.9	695.1	696.2	696.2
75°	502.4	496.6	502.4	503.5	498.9	498.9	504.7	503.5	508.1	510.4	497.8
77.5°	285.6	285.6	293.6	302.8	309.7	309.7	315.4	315.4	321.2	320.0	317.7
80°	157.1	157.1	161.7	167.5	174.3	181.2	187.0	188.1	191.5	190.4	187.0
82.5°	89.5	90.6	92.9	96.3	103.2	109.0	114.7	115.8	119.3	119.3	115.8
85°	42.4	41.3	42.4	44.7	48.2	52.8	58.5	61.9	64.2	64.2	61.9
87.5°	8.0	9.2	8.0	9.2	10.3	13.8	16.1	18.4	21.8	22.9	20.6
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)