

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: P633345

Luminaire Tested: GWS-SA2E-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633345
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12605.2 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

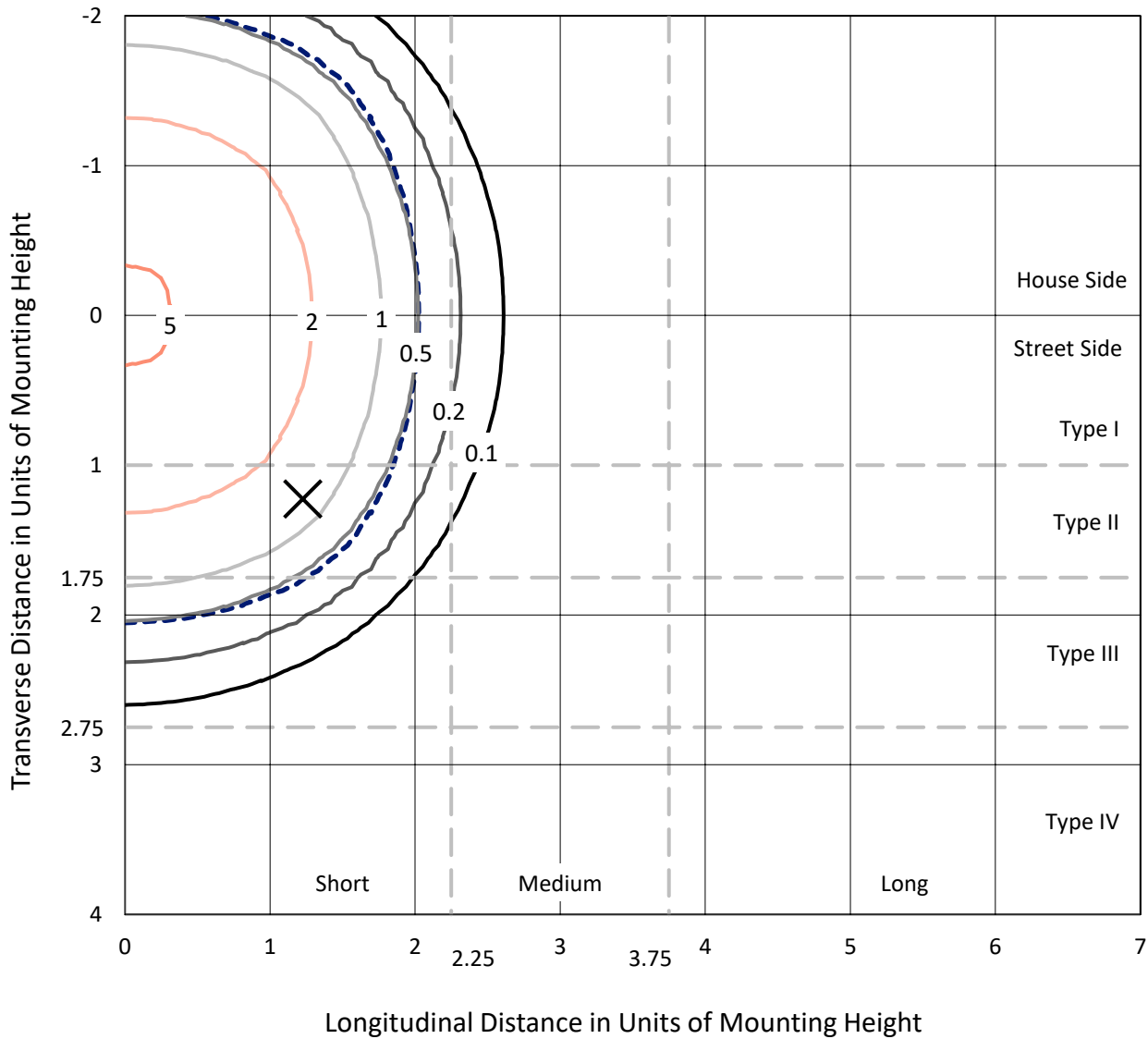
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

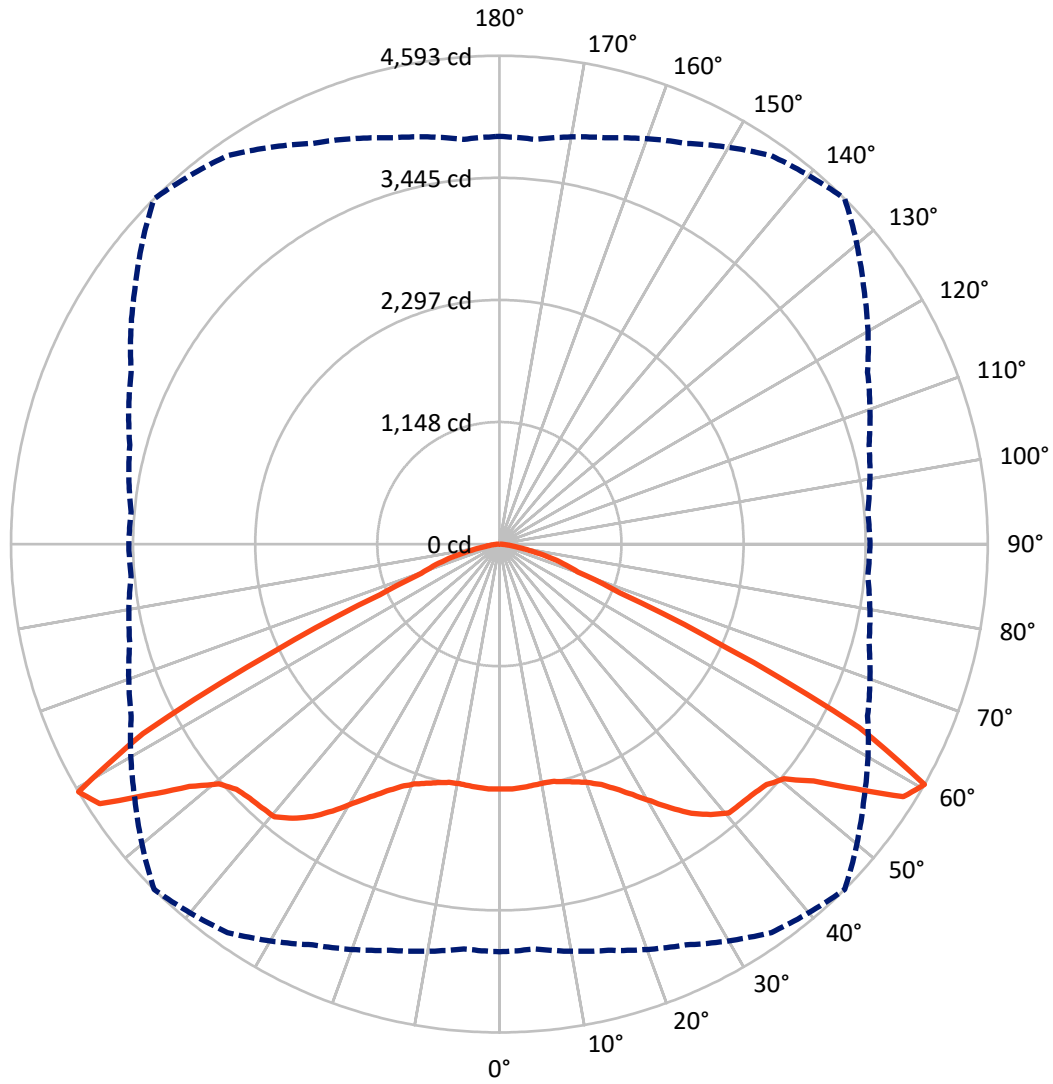
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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	6302.6	0.0	6302.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6302.6	0.0	6302.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12605.2	0.0	12605.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	1.7
10°-20°	657.1	5.2
20°-30°	1162.5	9.2
30°-40°	1871.7	14.8
40°-50°	2572.6	20.4
50°-60°	3428.2	27.2
60°-70°	2136.6	17.0
70°-80°	491.3	3.9
80°-90°	66.7	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°	12605.2	100.0
0°-180°	12605.2	100.0

Coefficient of Utilization



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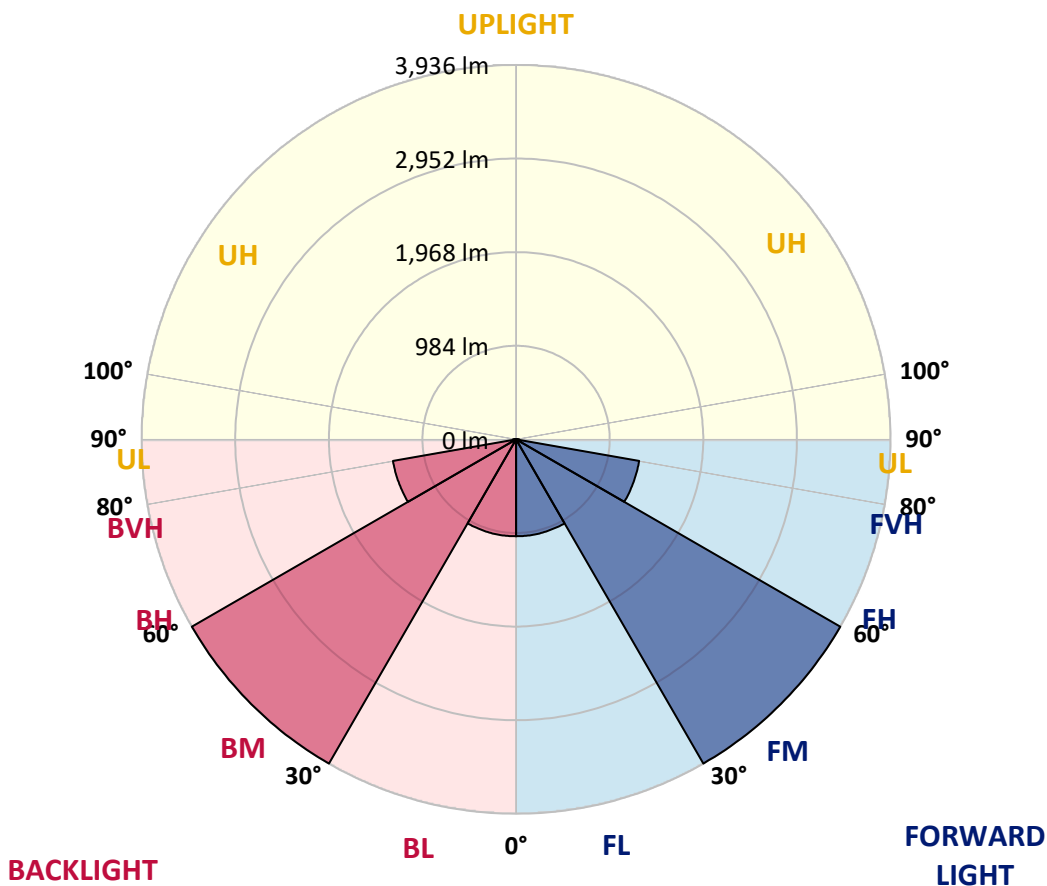
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1019.0	8.1			
FM (30°-60°)	3936.3	31.2			
FH (60°-80°)	1314.0	10.4			G1/1800
FVH (80°-90°)	33.3	0.3			G1/100
BL (0°-30°)	1019.0	8.1	B3/2500		
BM (30°-60°)	3936.3	31.2	B3/5000		
BH (60°-80°)	1314.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	33.3	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°	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6	2303.6
2.5°	2287.5	2289.7	2294.0	2297.2	2301.4	2305.7	2307.9	2303.6	2301.4	2292.9	2302.5
5°	2289.7	2291.8	2295.0	2295.0	2296.1	2299.3	2299.3	2294.0	2288.6	2279.0	2289.7
7.5°	2286.5	2288.6	2289.7	2288.6	2289.7	2290.7	2288.6	2282.2	2276.8	2268.3	2276.8
10°	2281.1	2283.3	2285.4	2283.3	2281.1	2284.3	2284.3	2280.0	2276.8	2268.3	2277.9
12.5°	2292.9	2296.1	2297.2	2291.8	2289.7	2290.7	2290.7	2286.5	2286.5	2279.0	2289.7
15°	2320.7	2322.8	2319.6	2313.2	2314.3	2317.5	2310.0	2299.3	2297.2	2294.0	2302.5
17.5°	2342.1	2344.2	2341.0	2336.8	2344.2	2351.7	2337.8	2317.5	2311.1	2308.9	2318.6
20°	2365.6	2368.8	2364.6	2369.9	2384.9	2393.5	2376.3	2348.5	2335.7	2332.5	2344.2
22.5°	2404.2	2408.4	2408.4	2420.2	2442.7	2456.6	2435.2	2397.7	2378.5	2373.1	2384.9
25°	2465.1	2468.4	2471.6	2495.1	2531.5	2550.7	2516.5	2465.1	2438.4	2429.8	2436.3
27.5°	2549.7	2555.0	2560.4	2594.6	2639.5	2667.4	2618.1	2553.9	2520.8	2503.7	2516.5
30°	2650.2	2657.7	2670.6	2709.1	2772.2	2803.2	2740.1	2662.0	2624.6	2606.4	2623.5
32.5°	2787.2	2788.3	2797.9	2840.7	2924.1	2959.5	2880.3	2793.6	2755.1	2733.7	2743.3
35°	2949.8	2950.9	2935.9	2979.8	3069.7	3109.2	3016.2	2928.4	2896.3	2889.9	2914.5
37.5°	3116.7	3107.1	3092.1	3111.4	3202.3	3228.0	3129.6	3054.7	3040.8	3052.5	3088.9
40°	3235.5	3219.5	3189.5	3203.4	3295.4	3325.4	3220.5	3149.9	3145.6	3174.5	3218.4
42.5°	3312.5	3295.4	3260.1	3260.1	3323.2	3336.1	3254.8	3217.3	3226.9	3260.1	3301.8
45°	3350.0	3340.4	3320.0	3309.3	3344.6	3350.0	3287.9	3272.9	3291.1	3307.2	3339.3
47.5°	3378.9	3378.9	3372.5	3361.8	3377.8	3381.0	3335.0	3330.7	3354.3	3354.3	3375.7
50°	3430.2	3435.6	3444.1	3442.0	3459.1	3469.8	3435.6	3429.2	3438.8	3407.8	3418.5
52.5°	3565.0	3579.0	3603.6	3622.8	3666.7	3699.9	3638.9	3587.5	3537.2	3468.7	3470.9
55°	3806.8	3813.3	3861.4	3918.1	3991.9	4059.4	3934.2	3774.8	3665.6	3585.4	3586.4
57.5°	4011.2	4020.8	4091.5	4210.2	4376.1	4480.9	4203.8	3937.4	3783.3	3684.9	3688.1
60°	3834.7	3821.8	3955.6	4158.9	4459.5	4593.3	4184.5	3820.8	3599.3	3477.3	3485.9
62.5°	2966.9	2942.3	3091.1	3304.0	3664.5	3798.3	3421.7	3072.9	2863.2	2767.9	2754.0
65°	1806.1	1783.6	1890.6	2021.1	2265.1	2349.6	2177.3	1992.2	1809.3	1751.5	1735.4
67.5°	983.3	980.1	1009.0	1073.2	1180.1	1219.7	1186.6	1098.8	1051.8	1011.1	1011.1
70°	780.0	773.6	768.2	769.3	778.9	784.3	785.3	781.1	786.4	787.5	783.2
72.5°	646.2	644.1	633.4	634.5	630.2	628.1	635.5	639.8	648.4	649.5	649.5
75°	468.6	463.3	468.6	469.7	465.4	465.4	470.8	469.7	474.0	476.1	464.4
77.5°	266.4	266.4	273.9	282.5	288.9	288.9	294.2	294.2	299.6	298.5	296.4
80°	146.6	146.6	150.9	156.2	162.6	169.1	174.4	175.5	178.7	177.6	174.4
82.5°	83.5	84.5	86.7	89.9	96.3	101.6	107.0	108.1	111.3	111.3	108.1
85°	39.6	38.5	39.6	41.7	44.9	49.2	54.6	57.8	59.9	59.9	57.8
87.5°	7.5	8.6	7.5	8.6	9.6	12.8	15.0	17.1	20.3	21.4	19.3
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)