

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: P636203

Luminaire Tested: GWS-SA3F-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25205.5 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

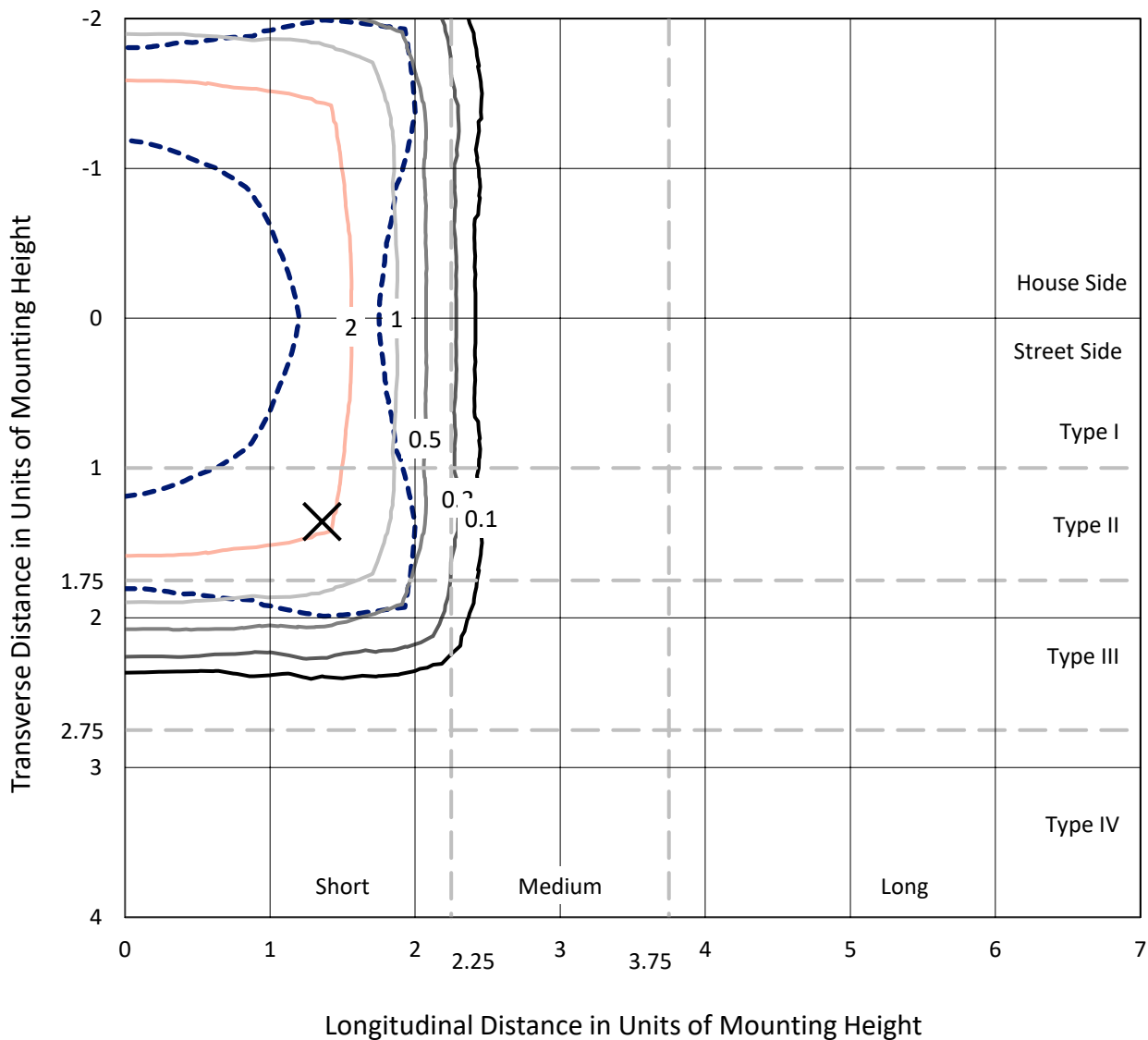
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

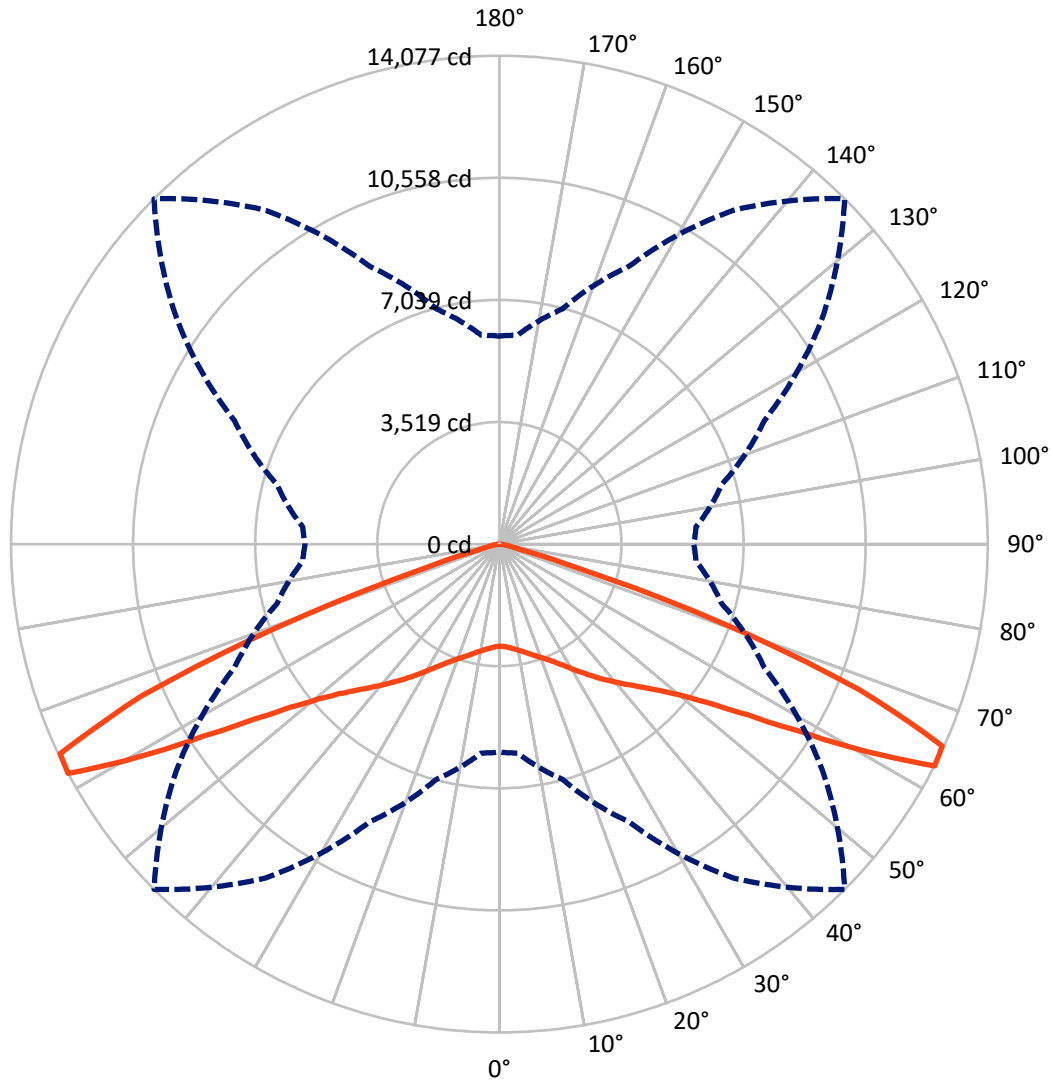
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12602.8	0.0	12602.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12602.8	0.0	12602.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	25205.5	0.0	25205.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	1.1
10°-20°	930.4	3.7
20°-30°	1760.2	7.0
30°-40°	2962.7	11.8
40°-50°	4733.5	18.8
50°-60°	7630.1	30.3
60°-70°	6225.3	24.7
70°-80°	604.5	2.4
80°-90°	70.4	0.3
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°	25205.5	100.0
0°-180°	25205.5	100.0

Coefficient of Utilization



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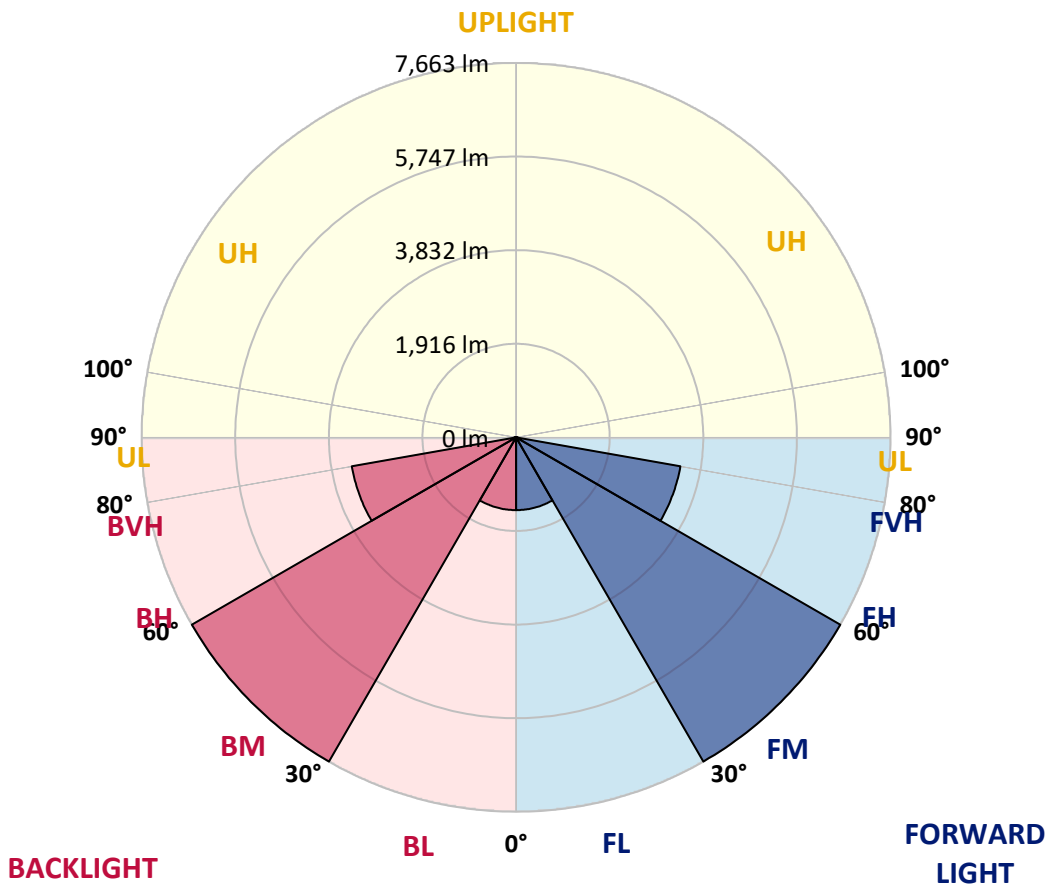
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1489.5	5.9			
FM (30°-60°)	7663.1	30.4			
FH (60°-80°)	3414.9	13.5			G2/5000
FVH (80°-90°)	35.2	0.1			G1/100
BL (0°-30°)	1489.5	5.9	B3/2500		
BM (30°-60°)	7663.1	30.4	B4/8500		
BH (60°-80°)	3414.9	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6	2940.6
2.5°	2937.1	2937.1	2944.0	2949.2	2945.7	2959.6	2957.8	2954.4	2952.7	2947.5	2963.0
5°	2976.9	2976.9	2982.1	2987.2	2978.6	2995.9	2989.0	2985.5	2983.8	2976.9	2990.7
7.5°	3021.8	3027.0	3028.7	3037.4	3032.2	3051.2	3046.0	3039.1	3035.6	3027.0	3039.1
10°	3071.9	3075.4	3077.1	3092.7	3094.4	3116.9	3111.7	3103.1	3096.1	3087.5	3104.8
12.5°	3139.4	3141.1	3146.3	3165.3	3170.5	3187.8	3186.0	3173.9	3165.3	3153.2	3172.2
15°	3225.8	3227.5	3236.2	3255.2	3263.8	3284.6	3277.7	3258.6	3246.5	3232.7	3248.3
17.5°	3315.7	3322.6	3331.3	3350.3	3362.4	3386.6	3377.9	3357.2	3346.8	3333.0	3343.4
20°	3431.5	3433.2	3438.4	3459.2	3467.8	3495.5	3497.2	3476.5	3471.3	3457.5	3473.0
22.5°	3559.4	3561.2	3566.4	3588.8	3604.4	3621.7	3632.1	3620.0	3611.3	3594.0	3613.0
25°	3701.2	3718.5	3723.7	3751.3	3768.6	3779.0	3791.1	3785.9	3773.8	3753.1	3761.7
27.5°	3900.0	3903.5	3912.1	3943.2	3953.6	3964.0	3976.1	3977.8	3960.5	3936.3	3948.4
30°	4126.5	4124.7	4143.8	4168.0	4176.6	4185.2	4202.5	4212.9	4190.4	4164.5	4176.6
32.5°	4358.1	4378.9	4403.1	4425.5	4420.4	4423.8	4451.5	4470.5	4439.4	4392.7	4403.1
35°	4619.2	4633.0	4664.1	4696.9	4690.0	4684.8	4702.1	4721.1	4677.9	4617.4	4633.0
37.5°	4887.1	4907.9	4954.5	4994.3	4983.9	4959.7	4978.7	4999.5	4958.0	4888.8	4881.9
40°	5186.2	5219.0	5286.4	5319.3	5291.6	5245.0	5277.8	5327.9	5286.4	5206.9	5187.9
42.5°	5537.1	5576.9	5644.3	5694.4	5633.9	5557.9	5613.2	5685.8	5675.4	5570.0	5537.1
45°	5971.0	5996.9	6079.9	6104.1	6014.2	5908.8	6009.0	6119.7	6093.8	5979.7	5936.4
47.5°	6443.0	6482.7	6555.3	6600.3	6455.1	6323.7	6463.7	6612.4	6584.7	6477.5	6427.4
50°	7044.6	7096.4	7191.5	7229.5	7029.0	6878.6	7058.4	7246.8	7193.2	7049.7	6984.0
52.5°	7699.7	7741.2	7903.7	7979.8	7791.4	7628.9	7786.2	7971.2	7857.1	7666.9	7578.7
55°	8277.1	8318.6	8557.2	8809.6	8800.9	8688.6	8768.1	8771.6	8462.1	8147.5	8054.1
57.5°	8401.6	8443.1	8897.7	9558.1	10024.9	10154.5	9921.2	9430.2	8650.5	8099.1	7993.6
60°	7737.8	7784.4	8507.1	9713.7	11248.8	12114.9	11039.6	9416.4	8068.0	7321.2	7220.9
62.5°	5995.2	6045.4	7016.9	8828.6	11743.2	14077.0	11364.6	8425.8	6636.6	5691.0	5602.8
65°	2862.8	2862.8	4097.1	6332.3	10757.9	14030.3	10424.2	6233.8	3995.1	3068.5	2992.4
67.5°	708.8	712.2	1054.5	2465.2	7317.7	11197.0	7437.0	2992.4	1407.2	995.7	969.8
70°	442.6	440.8	489.2	667.3	2560.2	6795.6	3040.8	902.4	572.2	504.8	501.3
72.5°	344.0	344.0	368.2	427.0	670.7	2314.8	886.8	501.3	414.9	373.4	373.4
75°	271.4	271.4	288.7	319.8	395.9	596.4	471.9	371.7	321.5	293.9	290.4
77.5°	202.3	205.7	219.5	240.3	269.7	335.4	299.1	280.1	250.7	229.9	223.0
80°	131.4	136.6	153.9	166.0	176.3	221.3	195.3	204.0	190.2	166.0	162.5
82.5°	70.9	72.6	93.4	96.8	100.3	121.0	124.5	129.7	134.8	105.5	98.5
85°	25.9	25.9	31.1	36.3	39.8	43.2	58.8	72.6	76.1	60.5	58.8
87.5°	5.2	5.2	5.2	3.5	3.5	3.5	10.4	19.0	31.1	24.2	24.2
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)