

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: P636258

Luminaire Tested: GWS-SA3F-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636258
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25555.7 lumens
Efficiency: N/A
Efficacy: 139.5 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

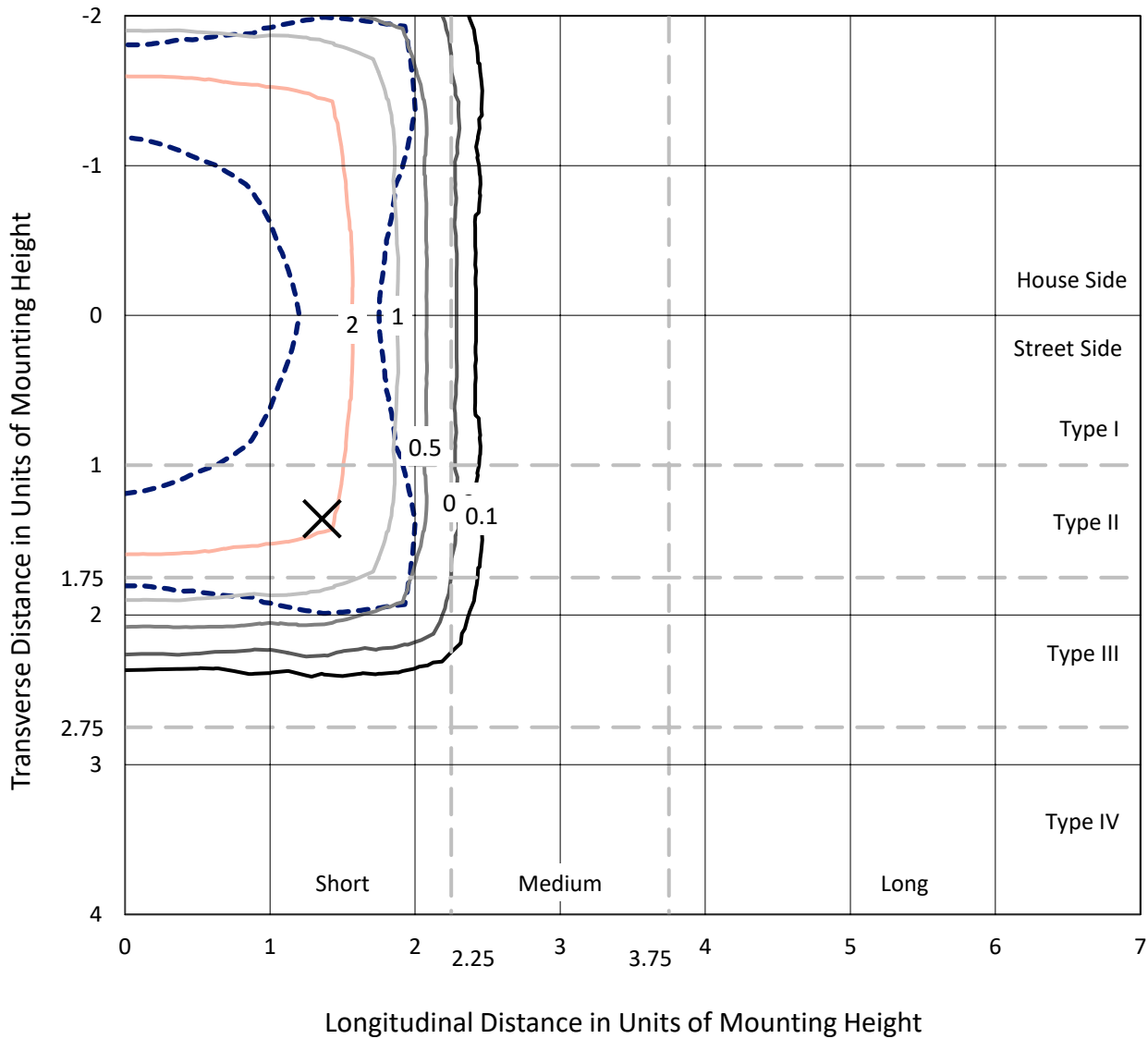
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

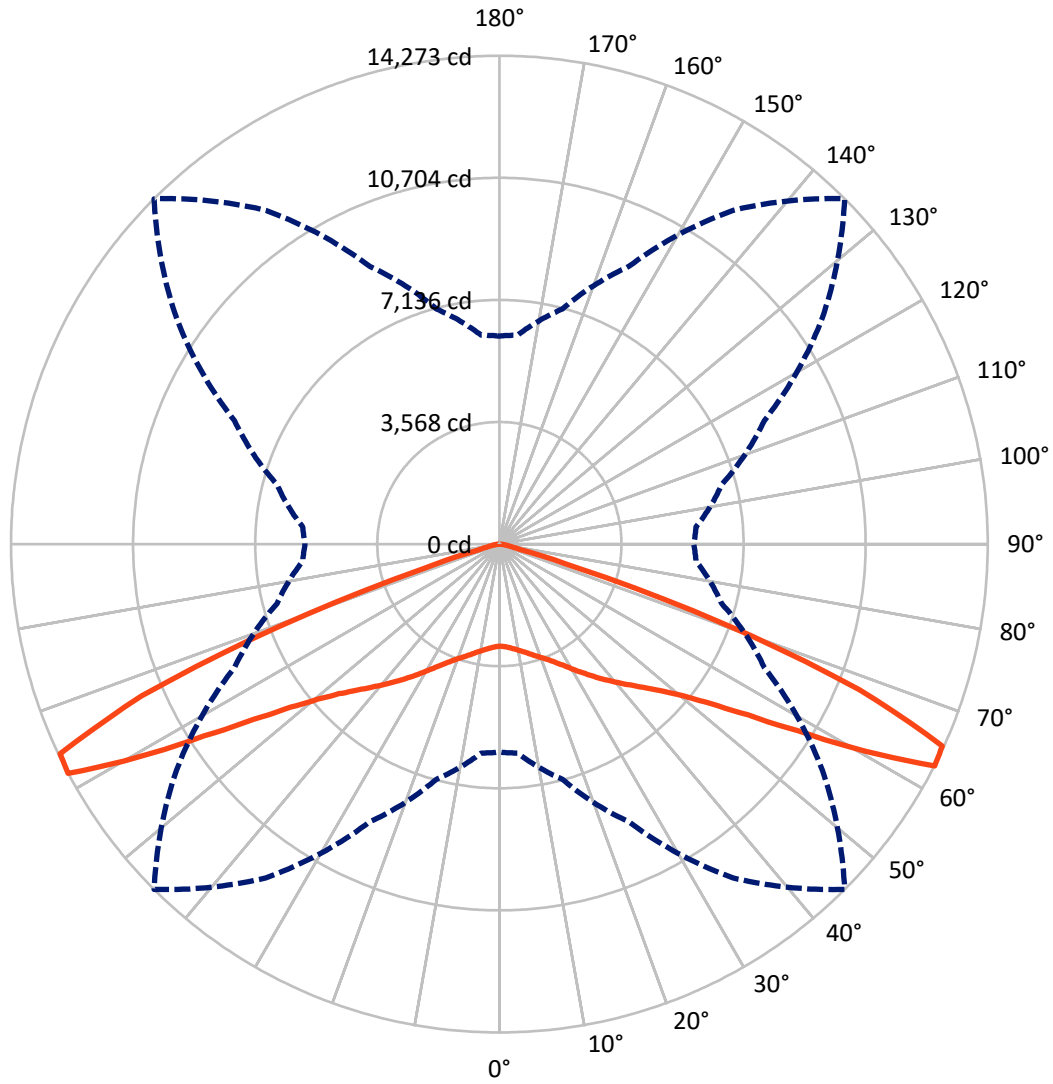
✕ Max cd
 - - - 1/2 Max cd



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	12777.8	0.0	12777.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12777.8	0.0	12777.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	25555.7	0.0	25555.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.5	1.1
10°-20°	943.3	3.7
20°-30°	1784.6	7.0
30°-40°	3003.8	11.8
40°-50°	4799.2	18.8
50°-60°	7736.1	30.3
60°-70°	6311.8	24.7
70°-80°	612.9	2.4
80°-90°	71.3	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°	25555.7	100.0
0°-180°	25555.7	100.0

Coefficient of Utilization



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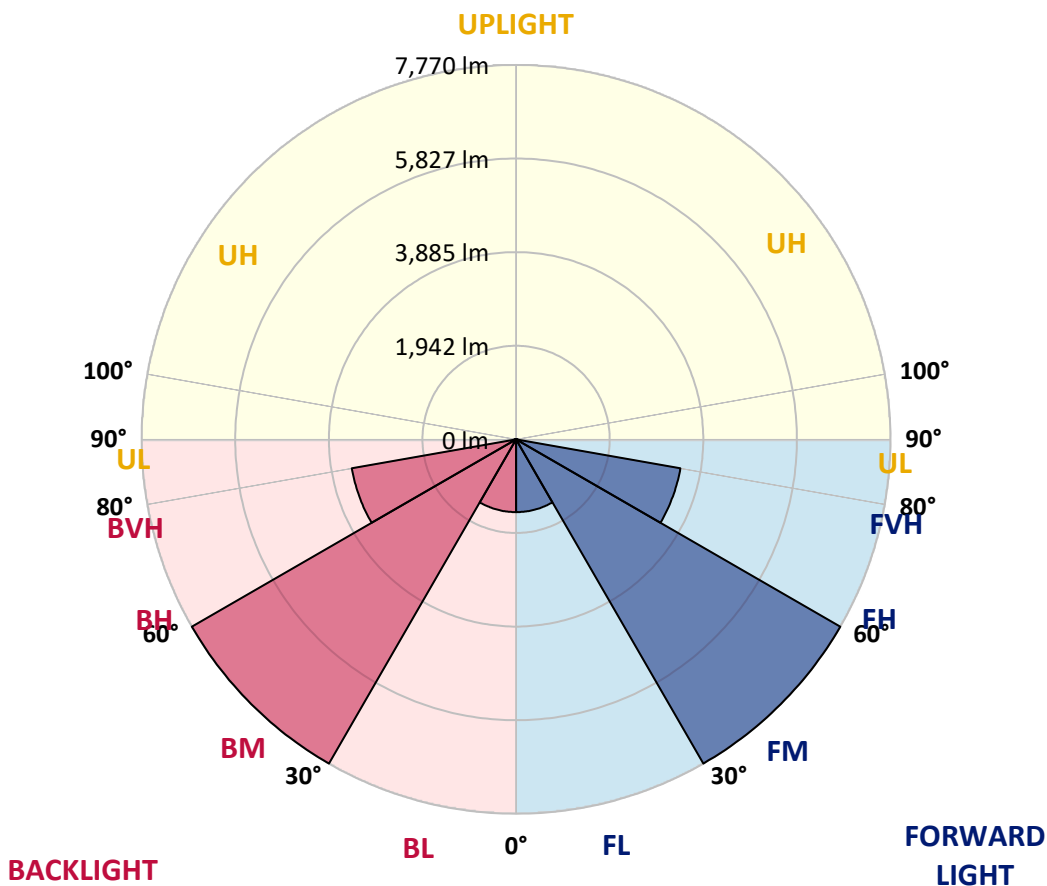
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1510.2	5.9			
FM (30°-60°)	7769.6	30.4			
FH (60°-80°)	3462.4	13.5			G2/5000
FVH (80°-90°)	35.7	0.1			G1/100
BL (0°-30°)	1510.2	5.9	B3/2500		
BM (30°-60°)	7769.6	30.4	B4/8500		
BH (60°-80°)	3462.4	13.5	B4/5000		G2/5000
BVH (80°-90°)	35.7	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°	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4	2981.4
2.5°	2977.9	2977.9	2984.9	2990.2	2986.7	3000.7	2998.9	2995.4	2993.7	2988.4	3004.2
5°	3018.2	3018.2	3023.5	3028.7	3020.0	3037.5	3030.5	3027.0	3025.2	3018.2	3032.2
7.5°	3063.8	3069.1	3070.8	3079.6	3074.3	3093.6	3088.3	3081.3	3077.8	3069.1	3081.3
10°	3114.6	3118.1	3119.9	3135.7	3137.4	3160.2	3154.9	3146.2	3139.2	3130.4	3147.9
12.5°	3183.0	3184.7	3190.0	3209.3	3214.5	3232.1	3230.3	3218.0	3209.3	3197.0	3216.3
15°	3270.6	3272.4	3281.1	3300.4	3309.2	3330.2	3323.2	3303.9	3291.7	3277.6	3293.4
17.5°	3361.8	3368.8	3377.5	3396.8	3409.1	3433.6	3424.9	3403.8	3393.3	3379.3	3389.8
20°	3479.2	3480.9	3486.2	3507.2	3516.0	3544.0	3545.8	3524.8	3519.5	3505.5	3521.3
22.5°	3608.9	3610.7	3615.9	3638.7	3654.5	3672.0	3682.5	3670.2	3661.5	3644.0	3663.2
25°	3752.6	3770.2	3775.4	3803.5	3821.0	3831.5	3843.8	3838.5	3826.2	3805.2	3814.0
27.5°	3954.2	3957.7	3966.5	3998.0	4008.5	4019.0	4031.3	4033.1	4015.5	3991.0	4003.3
30°	4183.8	4182.0	4201.3	4225.9	4234.6	4243.4	4260.9	4271.4	4248.7	4222.4	4234.6
32.5°	4418.7	4439.7	4464.2	4487.0	4481.8	4485.3	4513.3	4532.6	4501.0	4453.7	4464.2
35°	4683.3	4697.4	4728.9	4762.2	4755.2	4749.9	4767.5	4786.7	4742.9	4681.6	4697.4
37.5°	4955.0	4976.0	5023.4	5063.7	5053.2	5028.6	5047.9	5068.9	5026.9	4956.8	4949.7
40°	5258.2	5291.5	5359.9	5393.2	5365.1	5317.8	5351.1	5402.0	5359.9	5279.3	5260.0
42.5°	5614.0	5654.4	5722.7	5773.5	5712.2	5635.1	5691.2	5764.8	5754.3	5647.3	5614.0
45°	6054.0	6080.3	6164.4	6188.9	6097.8	5990.9	6092.5	6204.7	6178.4	6062.7	6018.9
47.5°	6532.5	6572.8	6646.4	6692.0	6544.7	6411.5	6553.5	6704.2	6676.2	6567.5	6516.7
50°	7142.4	7195.0	7291.4	7330.0	7126.7	6974.2	7156.5	7347.5	7293.2	7147.7	7081.1
52.5°	7806.7	7848.8	8013.5	8090.7	7899.6	7734.9	7894.4	8081.9	7966.2	7773.4	7684.0
55°	8392.1	8434.2	8676.1	8932.0	8923.2	8809.3	8889.9	8893.4	8579.7	8260.7	8166.0
57.5°	8518.3	8560.4	9021.4	9690.9	10164.2	10295.6	10059.0	9561.2	8770.7	8211.6	8104.7
60°	7845.3	7892.6	8625.3	9848.7	11405.1	12283.2	11193.0	9547.2	8180.1	7422.9	7321.2
62.5°	6078.5	6129.3	7114.4	8951.3	11906.4	14272.6	11522.5	8542.9	6728.8	5770.0	5680.6
65°	2902.5	2902.5	4154.0	6420.3	10907.3	14225.3	10569.0	6320.4	4050.6	3111.1	3034.0
67.5°	718.6	722.1	1069.2	2499.4	7419.4	11352.5	7540.3	3034.0	1426.7	1009.6	983.3
70°	448.7	446.9	496.0	676.6	2595.8	6890.0	3083.1	914.9	580.2	511.8	508.3
72.5°	348.8	348.8	373.3	432.9	680.1	2346.9	899.2	508.3	420.7	378.6	378.6
75°	275.2	275.2	292.7	324.3	401.4	604.7	478.5	376.8	326.0	298.0	294.5
77.5°	205.1	208.6	222.6	243.6	273.4	340.0	303.2	283.9	254.1	233.1	226.1
80°	133.2	138.5	156.0	168.3	178.8	224.4	198.1	206.8	192.8	168.3	164.8
82.5°	71.9	73.6	94.6	98.2	101.7	122.7	126.2	131.5	136.7	106.9	99.9
85°	26.3	26.3	31.5	36.8	40.3	43.8	59.6	73.6	77.1	61.3	59.6
87.5°	5.3	5.3	5.3	3.5	3.5	3.5	10.5	19.3	31.5	24.5	24.5
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)