

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: P637305

Luminaire Tested: GWS-SA4C-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637305
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-SA4C-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16769.7 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

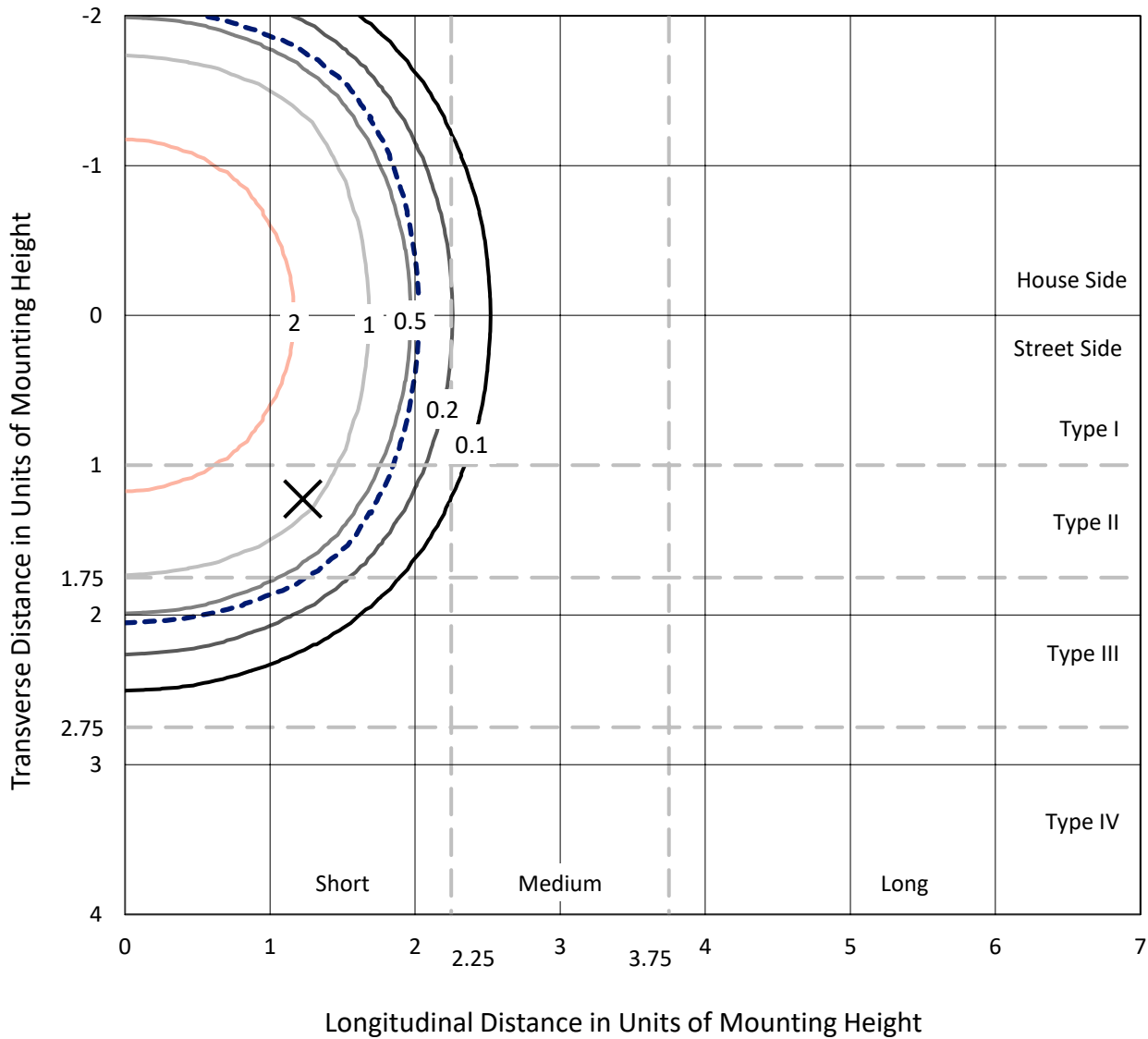
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

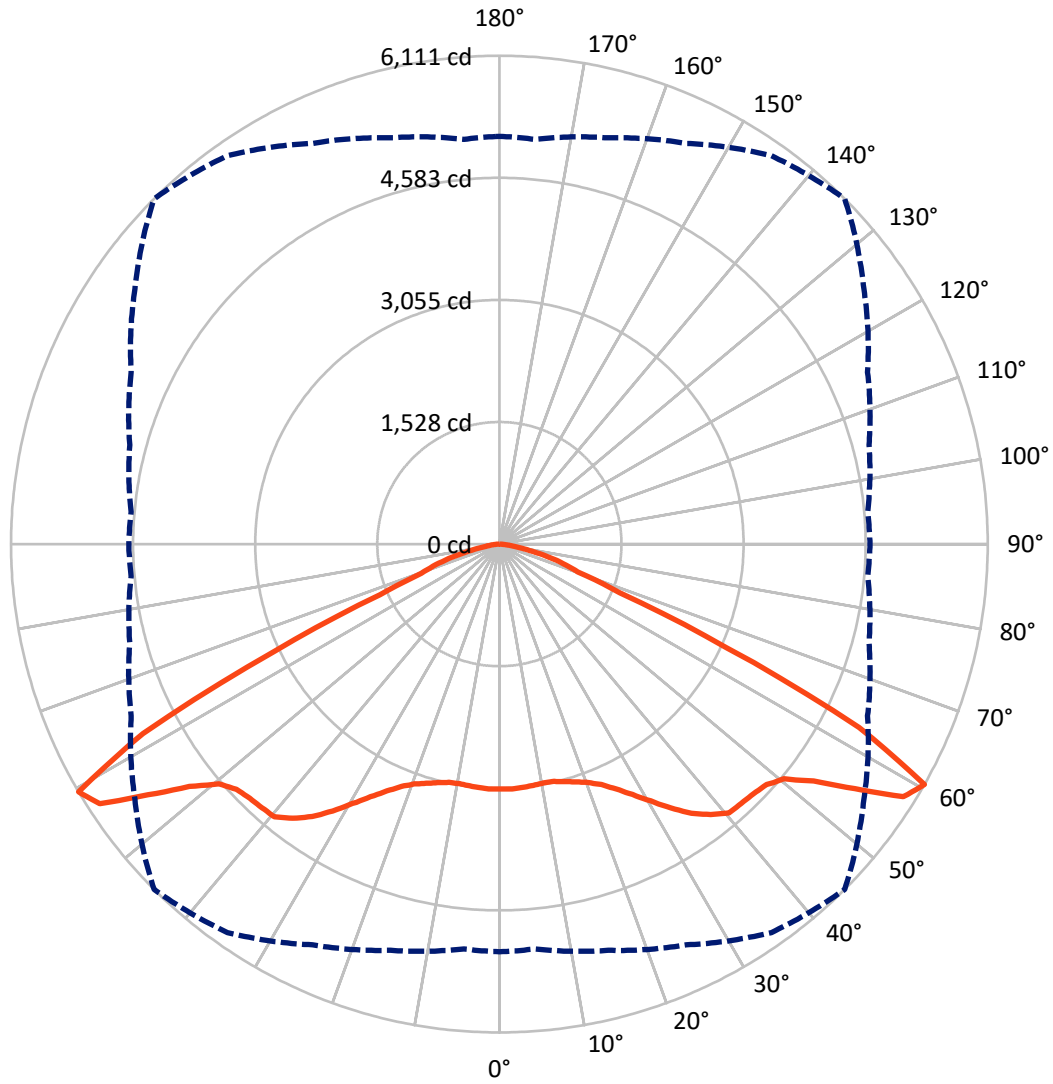
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	8384.8	0.0	8384.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8384.8	0.0	8384.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16769.7	0.0	16769.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	1.7
10°-20°	874.2	5.2
20°-30°	1546.6	9.2
30°-40°	2490.0	14.8
40°-50°	3422.5	20.4
50°-60°	4560.9	27.2
60°-70°	2842.5	17.0
70°-80°	653.6	3.9
80°-90°	88.7	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°	16769.7	100.0
0°-180°	16769.7	100.0

Coefficient of Utilization



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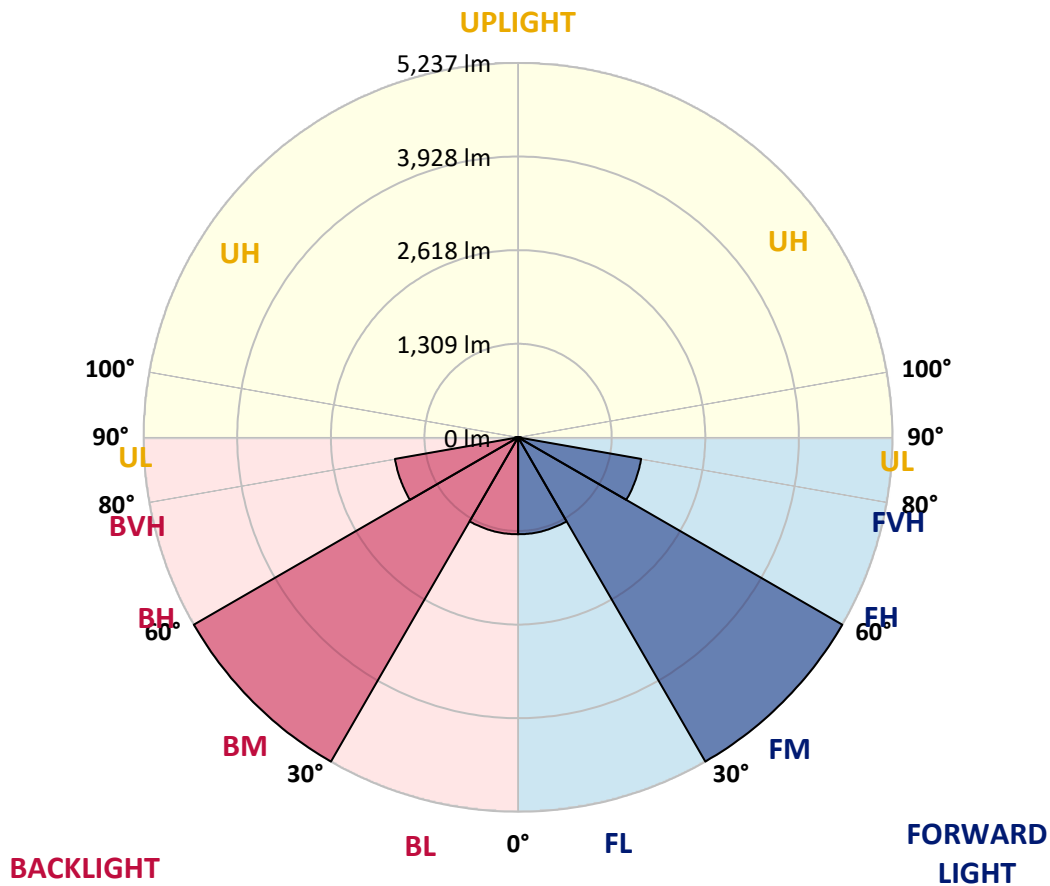
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.7	8.1			
FM (30°-60°)	5236.7	31.2			
FH (60°-80°)	1748.1	10.4			G1/1800
FVH (80°-90°)	44.3	0.3			G1/100
BL (0°-30°)	1355.7	8.1	B3/2500		
BM (30°-60°)	5236.7	31.2	B4/8500		
BH (60°-80°)	1748.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	44.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6	3064.6
2.5°	3043.3	3046.1	3051.8	3056.1	3061.8	3067.5	3070.3	3064.6	3061.8	3050.4	3063.2
5°	3046.1	3049.0	3053.3	3053.3	3054.7	3058.9	3058.9	3051.8	3044.7	3031.9	3046.1
7.5°	3041.9	3044.7	3046.1	3044.7	3046.1	3047.6	3044.7	3036.2	3029.1	3017.7	3029.1
10°	3034.7	3037.6	3040.4	3037.6	3034.7	3039.0	3039.0	3033.3	3029.1	3017.7	3030.5
12.5°	3050.4	3054.7	3056.1	3049.0	3046.1	3047.6	3047.6	3041.9	3041.9	3031.9	3046.1
15°	3087.4	3090.3	3086.0	3077.4	3078.9	3083.1	3073.2	3058.9	3056.1	3051.8	3063.2
17.5°	3115.9	3118.7	3114.5	3108.8	3118.7	3128.7	3110.2	3083.1	3074.6	3071.8	3084.6
20°	3147.2	3151.5	3145.8	3152.9	3172.8	3184.2	3161.4	3124.4	3107.3	3103.1	3118.7
22.5°	3198.4	3204.1	3204.1	3219.8	3249.7	3268.2	3239.7	3189.9	3164.3	3157.2	3172.8
25°	3279.6	3283.8	3288.1	3319.4	3367.8	3393.5	3347.9	3279.6	3244.0	3232.6	3241.1
27.5°	3392.0	3399.1	3406.3	3451.8	3511.6	3548.6	3483.1	3397.7	3353.6	3330.8	3347.9
30°	3525.8	3535.8	3552.9	3604.1	3688.1	3729.4	3645.4	3541.5	3491.7	3467.5	3490.2
32.5°	3708.0	3709.5	3722.3	3779.2	3890.2	3937.2	3831.9	3716.6	3665.3	3636.9	3649.7
35°	3924.4	3925.8	3905.9	3964.2	4083.8	4136.5	4012.6	3895.9	3853.2	3844.7	3877.4
37.5°	4146.4	4133.6	4113.7	4139.3	4260.3	4294.5	4163.5	4063.9	4045.4	4061.0	4109.4
40°	4304.4	4283.1	4243.2	4261.7	4384.2	4424.0	4284.5	4190.6	4184.9	4223.3	4281.7
42.5°	4406.9	4384.2	4337.2	4337.2	4421.2	4438.2	4330.1	4280.2	4293.1	4337.2	4392.7
45°	4456.8	4443.9	4416.9	4402.7	4449.6	4456.8	4374.2	4354.3	4378.5	4399.8	4442.5
47.5°	4495.2	4495.2	4486.6	4472.4	4493.8	4498.0	4436.8	4431.1	4462.4	4462.4	4490.9
50°	4563.5	4570.6	4582.0	4579.2	4601.9	4616.2	4570.6	4562.1	4574.9	4533.6	4547.8
52.5°	4742.9	4761.4	4794.1	4819.7	4878.1	4922.2	4841.1	4772.8	4705.9	4614.8	4617.6
55°	5064.6	5073.1	5137.1	5212.6	5310.8	5400.5	5233.9	5021.9	4876.7	4769.9	4771.3
57.5°	5336.4	5349.2	5443.2	5601.2	5821.8	5961.3	5592.6	5238.2	5033.2	4902.3	4906.6
60°	5101.6	5084.5	5262.4	5532.9	5932.8	6110.8	5567.0	5083.1	4788.4	4626.1	4637.5
62.5°	3947.2	3914.4	4112.3	4395.5	4875.2	5053.2	4552.1	4088.1	3809.1	3682.4	3663.9
65°	2402.7	2372.9	2515.2	2688.9	3013.4	3125.8	2896.7	2650.4	2407.0	2330.2	2308.8
67.5°	1308.1	1303.9	1342.3	1427.7	1570.0	1622.7	1578.6	1461.9	1399.2	1345.1	1345.1
70°	1037.7	1029.1	1022.0	1023.4	1036.3	1043.4	1044.8	1039.1	1046.2	1047.6	1041.9
72.5°	859.8	856.9	842.7	844.1	838.4	835.6	845.5	851.2	862.6	864.0	864.0
75°	623.5	616.3	623.5	624.9	619.2	619.2	626.3	624.9	630.6	633.4	617.8
77.5°	354.4	354.4	364.4	375.8	384.3	384.3	391.4	391.4	398.6	397.1	394.3
80°	195.0	195.0	200.7	207.8	216.4	224.9	232.0	233.4	237.7	236.3	232.0
82.5°	111.0	112.5	115.3	119.6	128.1	135.2	142.3	143.8	148.0	148.0	143.8
85°	52.7	51.2	52.7	55.5	59.8	65.5	72.6	76.9	79.7	79.7	76.9
87.5°	10.0	11.4	10.0	11.4	12.8	17.1	19.9	22.8	27.0	28.5	25.6
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)