

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: P637354

Luminaire Tested: GWS-SA4C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17147.8 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

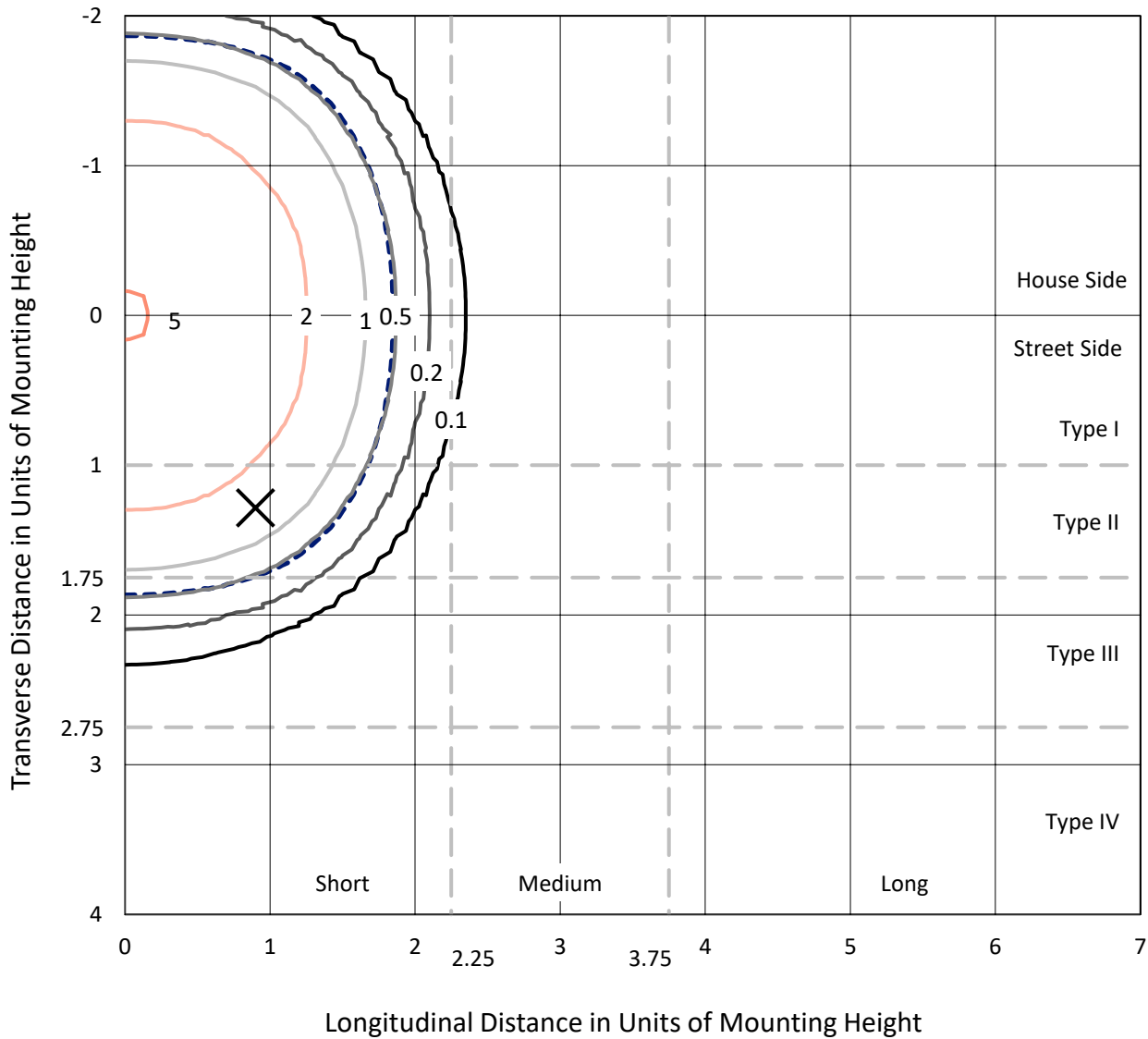
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

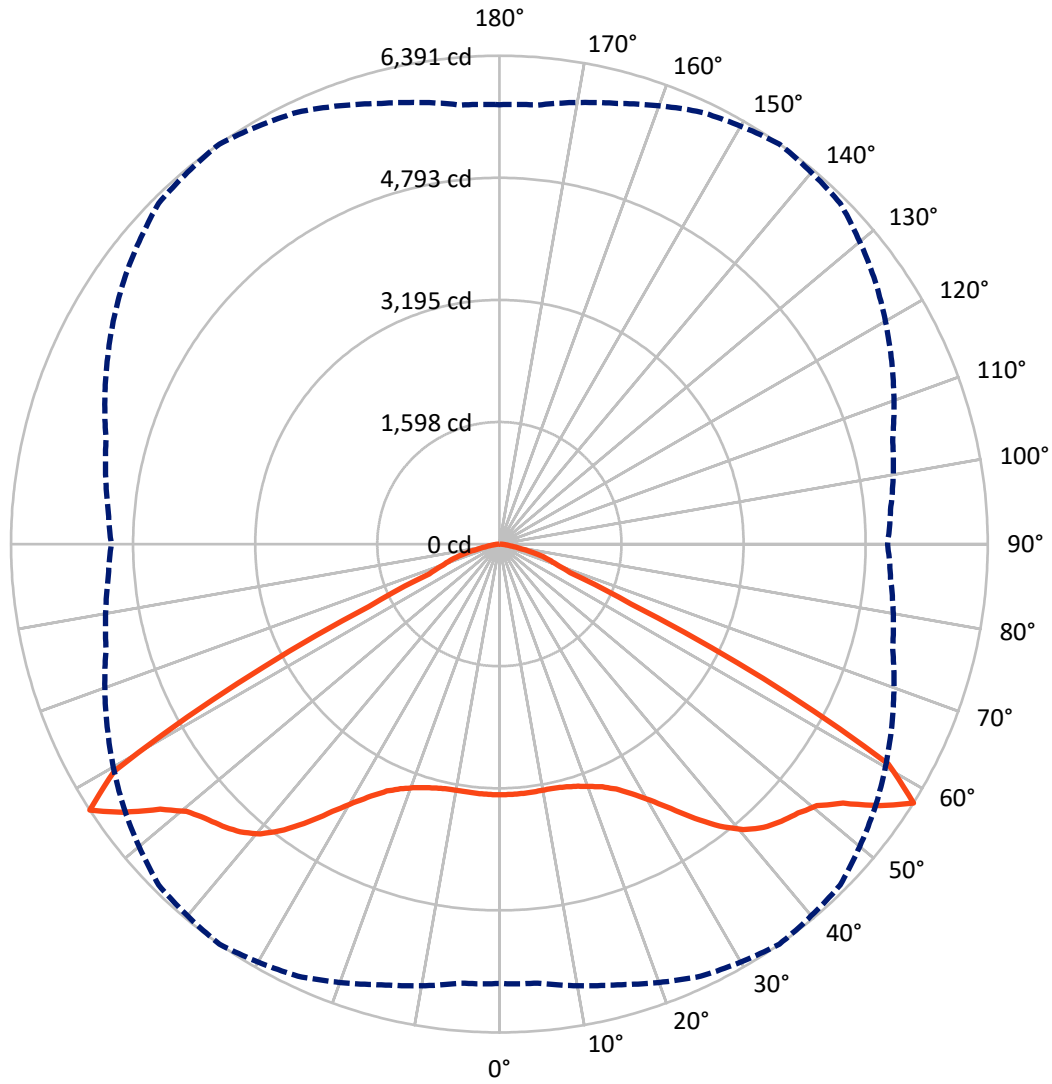
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8573.9	0.0	8573.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8573.9	0.0	8573.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17147.8	0.0	17147.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.1	1.8
10°-20°	931.3	5.4
20°-30°	1624.9	9.5
30°-40°	2664.4	15.5
40°-50°	3924.1	22.9
50°-60°	5007.8	29.2
60°-70°	2110.5	12.3
70°-80°	504.2	2.9
80°-90°	68.6	0.4
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°	17147.8	100.0
0°-180°	17147.8	100.0

Coefficient of Utilization



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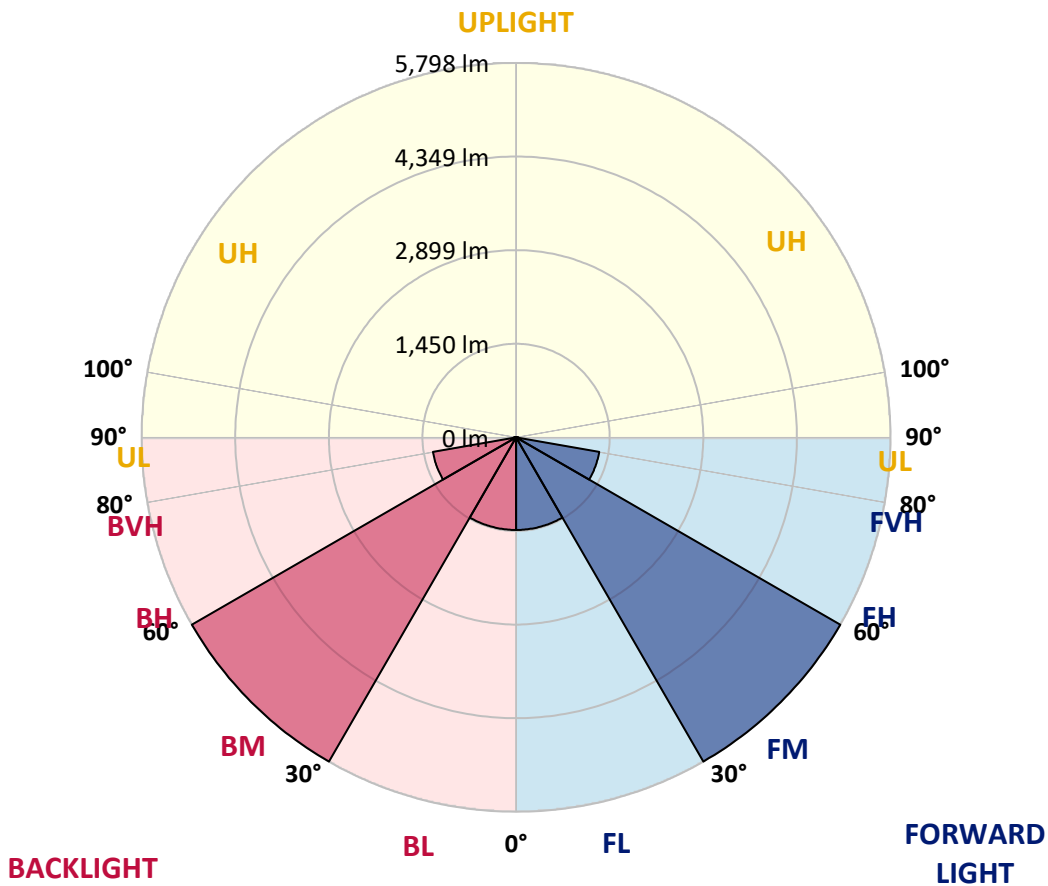
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1434.1	8.4			
FM (30°-60°)	5798.1	33.8			
FH (60°-80°)	1307.3	7.6			G1/1800
FVH (80°-90°)	34.3	0.2			G1/100
BL (0°-30°)	1434.1	8.4	B3/2500		
BM (30°-60°)	5798.1	33.8	B4/8500		
BH (60°-80°)	1307.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	34.3	0.2			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°	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0	3281.0
2.5°	3261.4	3261.4	3268.4	3275.4	3278.2	3290.9	3289.5	3285.2	3282.4	3274.0	3285.2
5°	3268.4	3268.4	3274.0	3278.2	3276.8	3286.7	3282.4	3275.4	3271.2	3262.8	3275.4
7.5°	3267.0	3267.0	3271.2	3275.4	3272.6	3281.0	3274.0	3264.2	3257.2	3248.7	3260.0
10°	3248.7	3251.6	3255.8	3265.6	3269.8	3282.4	3272.6	3257.2	3245.9	3236.1	3247.3
12.5°	3245.9	3248.7	3254.4	3267.0	3274.0	3292.3	3279.6	3254.4	3237.5	3224.9	3236.1
15°	3258.6	3261.4	3269.8	3285.2	3296.5	3316.1	3297.9	3262.8	3238.9	3222.1	3231.9
17.5°	3274.0	3278.2	3290.9	3313.3	3331.6	3352.6	3330.2	3288.1	3254.4	3231.9	3240.3
20°	3290.9	3296.5	3316.1	3349.8	3383.5	3410.2	3382.1	3326.0	3285.2	3255.8	3264.2
22.5°	3320.3	3327.4	3352.6	3400.4	3450.9	3490.2	3455.1	3379.3	3326.0	3288.1	3295.1
25°	3380.7	3389.1	3421.4	3479.0	3550.6	3598.3	3549.2	3463.5	3389.1	3342.8	3349.8
27.5°	3487.4	3491.6	3533.7	3609.6	3698.0	3752.8	3693.8	3592.7	3509.9	3456.5	3462.1
30°	3627.8	3640.4	3682.6	3782.2	3887.5	3960.5	3883.3	3764.0	3668.5	3603.9	3609.6
32.5°	3799.1	3807.5	3870.7	3974.6	4126.2	4210.5	4105.2	3963.4	3848.2	3769.6	3775.2
35°	4023.7	4030.7	4091.1	4223.1	4407.0	4485.6	4364.9	4202.0	4068.7	3994.2	4015.3
37.5°	4291.9	4304.5	4348.0	4478.6	4683.6	4760.8	4621.8	4470.2	4331.2	4262.4	4277.8
40°	4579.7	4578.3	4613.4	4728.5	4915.2	4963.0	4838.0	4717.3	4597.9	4553.0	4578.3
42.5°	4826.8	4819.8	4845.0	4940.5	5069.7	5073.9	4991.0	4923.7	4839.4	4808.5	4832.4
45°	4999.5	5002.3	5040.2	5106.2	5172.2	5137.1	5111.8	5100.6	5034.6	4992.5	4996.7
47.5°	5135.7	5146.9	5207.3	5252.2	5260.6	5201.6	5236.7	5253.6	5198.8	5134.3	5116.0
50°	5256.4	5274.6	5353.3	5401.0	5382.8	5308.3	5377.1	5402.4	5281.7	5158.1	5121.6
52.5°	5475.4	5496.5	5591.9	5653.7	5632.7	5558.2	5622.8	5533.0	5329.4	5177.8	5131.4
55°	5825.0	5834.8	5951.4	6052.4	6042.6	5951.4	5899.4	5700.0	5452.9	5295.7	5252.2
57.5°	5750.6	5767.4	5969.6	6239.2	6390.8	6308.0	6003.3	5663.5	5328.0	5138.5	5079.5
60°	4524.9	4565.7	4817.0	5291.5	5847.5	5846.1	5280.3	4752.4	4348.0	4096.7	4071.5
62.5°	2642.2	2670.3	2899.2	3379.3	3877.7	3908.6	3511.3	3149.1	2795.3	2625.4	2544.0
65°	1250.9	1249.5	1340.8	1557.0	1893.9	1920.6	1801.3	1603.3	1394.1	1336.6	1321.1
67.5°	923.8	923.8	916.8	932.2	996.8	1010.8	996.8	964.5	944.9	957.5	949.1
70°	801.7	803.1	794.6	790.4	790.4	786.2	791.8	804.5	812.9	829.7	821.3
72.5°	650.0	651.4	651.4	652.8	654.2	648.6	657.0	664.1	665.5	671.1	665.5
75°	461.9	464.7	473.1	480.2	485.8	485.8	488.6	490.0	484.4	491.4	480.2
77.5°	254.1	256.9	272.4	285.0	297.6	299.0	303.3	306.1	303.3	308.9	300.4
80°	140.4	143.2	150.2	155.8	165.7	174.1	179.7	182.5	182.5	186.7	182.5
82.5°	80.0	82.8	87.0	89.9	98.3	105.3	110.9	115.1	115.1	116.5	113.7
85°	37.9	37.9	40.7	43.5	47.7	50.5	57.6	61.8	61.8	64.6	61.8
87.5°	5.6	7.0	8.4	8.4	11.2	14.0	16.8	18.3	21.1	22.5	22.5
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)