

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: P637299

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637299
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17386.1 lumens
Efficiency: N/A
Efficacy: 135.3 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

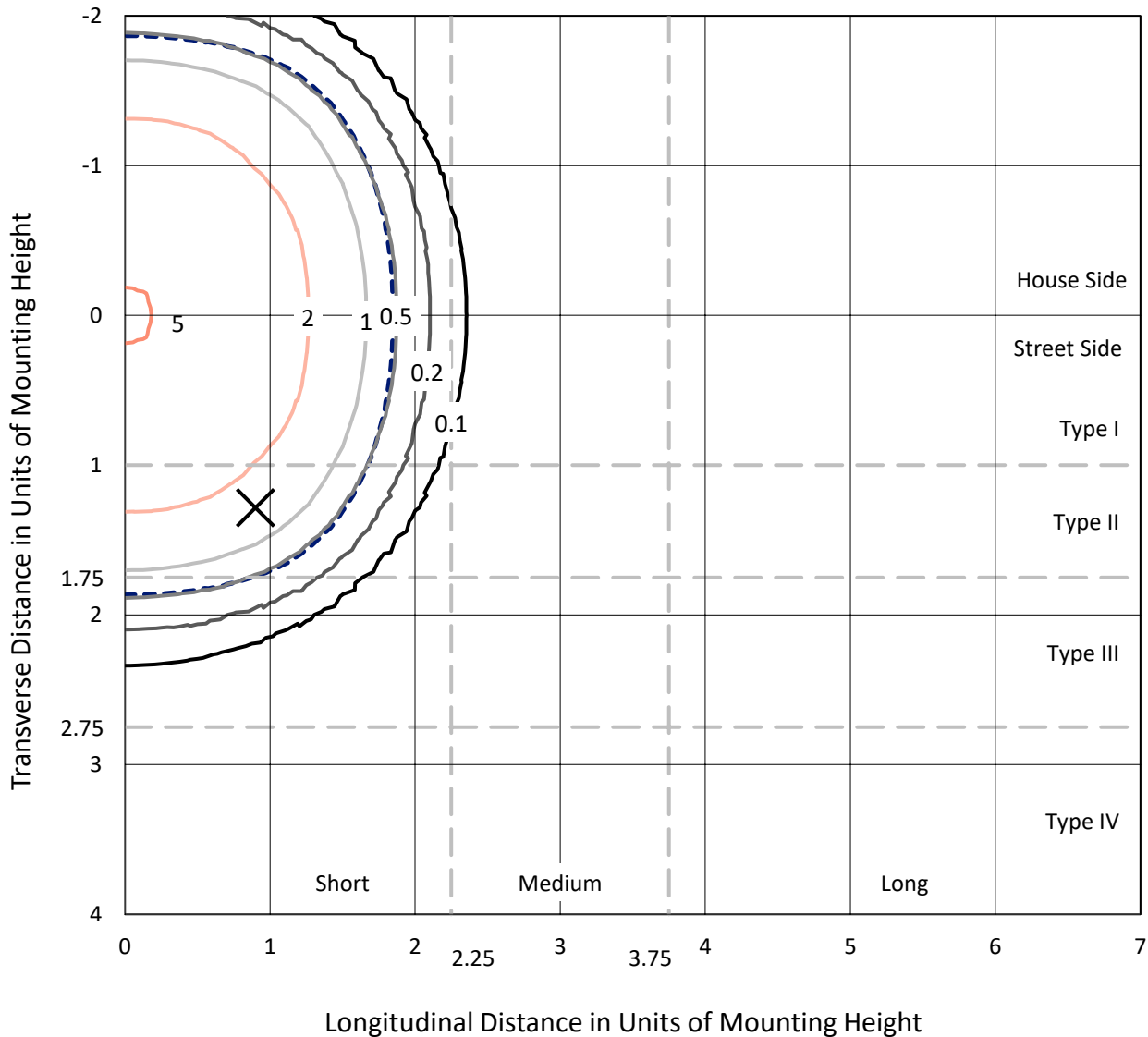


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Iso-Footcandle Lines of Horizontal Illumination

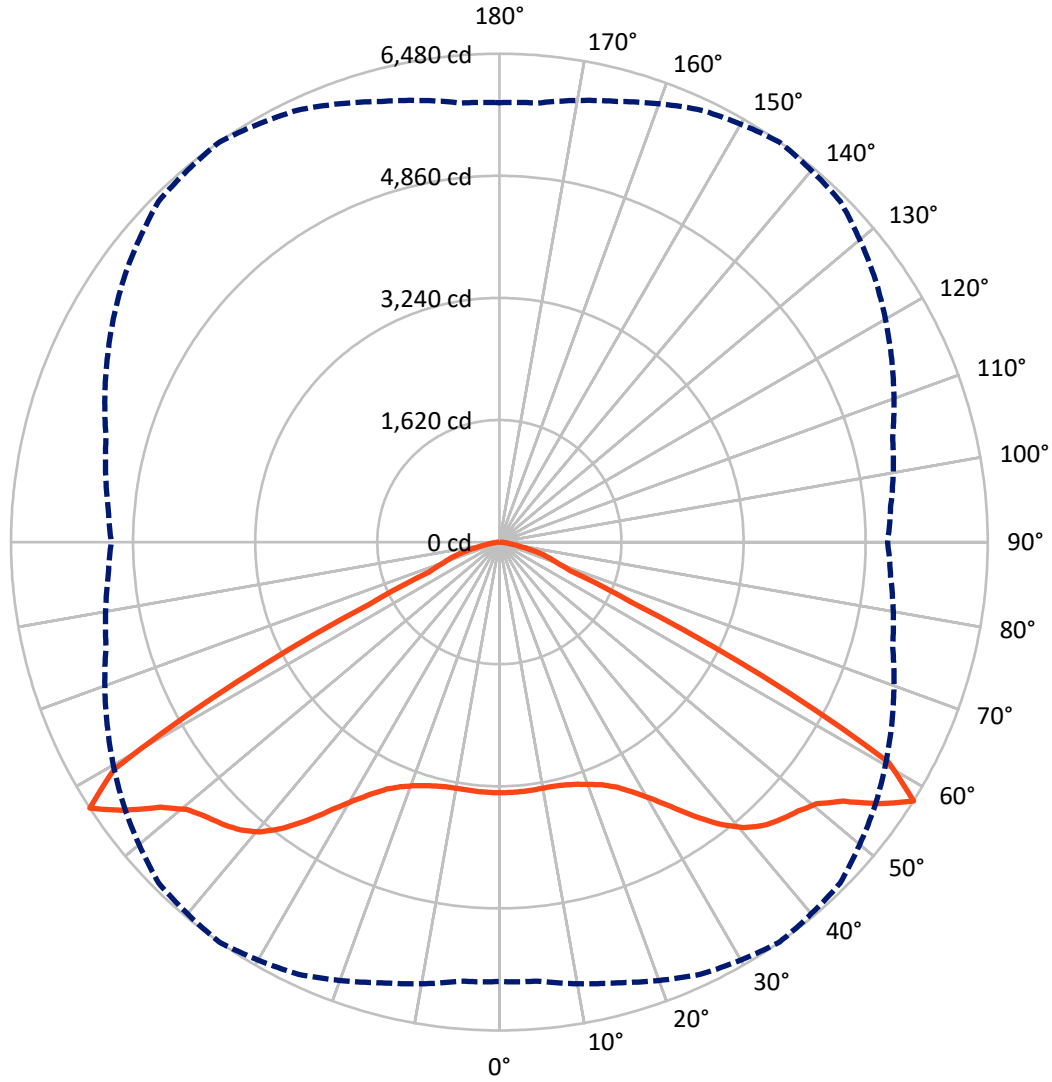
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	8693.0	0.0	8693.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8693.0	0.0	8693.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17386.1	0.0	17386.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	1.8
10°-20°	944.2	5.4
20°-30°	1647.4	9.5
30°-40°	2701.4	15.5
40°-50°	3978.6	22.9
50°-60°	5077.4	29.2
60°-70°	2139.8	12.3
70°-80°	511.2	2.9
80°-90°	69.6	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°	17386.1	100.0
0°-180°	17386.1	100.0

Coefficient of Utilization



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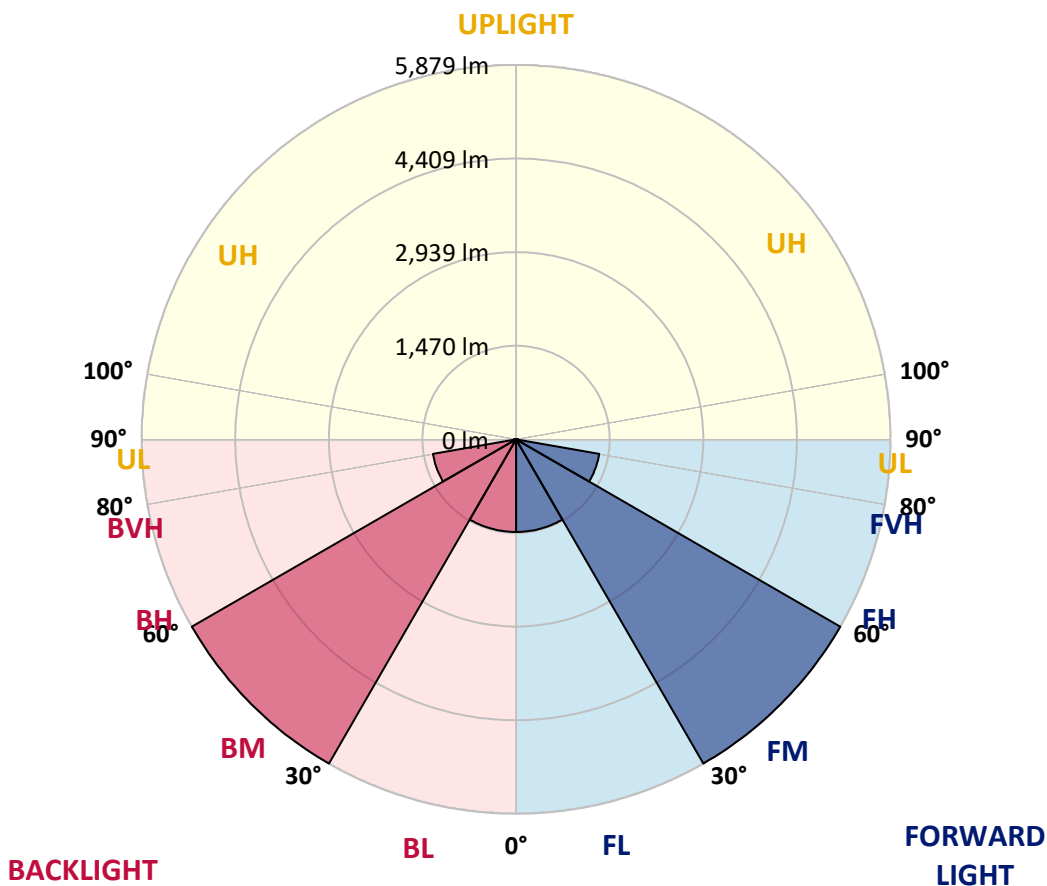
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1454.1	8.4			
FM (30°-60°)	5878.7	33.8			
FH (60°-80°)	1325.5	7.6			G1/1800
FVH (80°-90°)	34.8	0.2			G1/100
BL (0°-30°)	1454.1	8.4	B3/2500		
BM (30°-60°)	5878.7	33.8	B4/8500		
BH (60°-80°)	1325.5	7.6	B3/2500		G1/1800
BVH (80°-90°)	34.8	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°	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6	3326.6
2.5°	3306.7	3306.7	3313.8	3320.9	3323.8	3336.6	3335.2	3330.9	3328.1	3319.5	3330.9
5°	3313.8	3313.8	3319.5	3323.8	3322.4	3332.3	3328.1	3320.9	3316.7	3308.1	3320.9
7.5°	3312.4	3312.4	3316.7	3320.9	3318.1	3326.6	3319.5	3309.5	3302.4	3293.9	3305.3
10°	3293.9	3296.7	3301.0	3311.0	3315.2	3328.1	3318.1	3302.4	3291.0	3281.1	3292.5
12.5°	3291.0	3293.9	3299.6	3312.4	3319.5	3338.0	3325.2	3299.6	3282.5	3269.7	3281.1
15°	3303.9	3306.7	3315.2	3330.9	3342.3	3362.2	3343.7	3308.1	3283.9	3266.8	3276.8
17.5°	3319.5	3323.8	3336.6	3359.4	3377.9	3399.2	3376.5	3333.7	3299.6	3276.8	3285.4
20°	3336.6	3342.3	3362.2	3396.4	3430.5	3457.6	3429.1	3372.2	3330.9	3301.0	3309.5
22.5°	3366.5	3373.6	3399.2	3447.6	3498.9	3538.7	3503.1	3426.3	3372.2	3333.7	3340.9
25°	3427.7	3436.2	3469.0	3527.3	3599.9	3648.3	3598.5	3511.7	3436.2	3389.3	3396.4
27.5°	3535.9	3540.2	3582.9	3659.7	3749.4	3804.9	3745.1	3642.6	3558.7	3504.6	3510.3
30°	3678.2	3691.0	3733.7	3834.8	3941.6	4015.6	3937.3	3816.3	3719.5	3654.0	3659.7
32.5°	3851.9	3860.4	3924.5	4029.8	4183.6	4269.0	4162.2	4018.4	3901.7	3822.0	3827.7
35°	4079.6	4086.8	4148.0	4281.8	4468.2	4548.0	4425.5	4260.4	4125.2	4049.8	4071.1
37.5°	4351.5	4364.3	4408.5	4540.8	4748.7	4827.0	4686.0	4532.3	4391.4	4321.6	4337.3
40°	4643.3	4641.9	4677.5	4794.2	4983.5	5031.9	4905.3	4782.8	4661.8	4616.3	4641.9
42.5°	4893.9	4886.7	4912.4	5009.2	5140.1	5144.4	5060.4	4992.1	4906.7	4875.4	4899.6
45°	5068.9	5071.8	5110.2	5177.1	5244.0	5208.4	5182.8	5171.4	5104.5	5061.8	5066.1
47.5°	5207.0	5218.4	5279.6	5325.2	5333.7	5273.9	5309.5	5326.6	5271.1	5205.6	5187.1
50°	5329.4	5347.9	5427.7	5476.1	5457.6	5382.1	5451.9	5477.5	5355.1	5229.8	5192.8
52.5°	5551.5	5572.9	5669.7	5732.3	5710.9	5635.5	5701.0	5609.9	5403.5	5249.7	5202.8
55°	5905.9	5915.9	6034.1	6136.5	6126.6	6034.1	5981.4	5779.3	5528.7	5369.3	5325.2
57.5°	5830.5	5847.6	6052.6	6325.9	6479.6	6395.6	6086.7	5742.2	5402.0	5209.9	5150.1
60°	4587.8	4629.1	4883.9	5365.0	5928.7	5927.3	5353.6	4818.4	4408.5	4153.7	4128.0
62.5°	2679.0	2707.4	2939.4	3426.3	3931.6	3962.9	3560.1	3192.8	2834.1	2661.9	2579.3
65°	1268.3	1266.9	1359.4	1578.6	1920.3	1947.3	1826.3	1625.6	1413.5	1355.1	1339.5
67.5°	936.6	936.6	929.5	945.2	1010.7	1024.9	1010.7	977.9	958.0	970.8	962.3
70°	812.8	814.2	805.7	801.4	801.4	797.1	802.8	815.6	824.2	841.3	832.7
72.5°	659.1	660.5	660.5	661.9	663.3	657.6	666.2	673.3	674.7	680.4	674.7
75°	468.3	471.2	479.7	486.8	492.5	492.5	495.4	496.8	491.1	498.2	486.8
77.5°	257.6	260.5	276.2	289.0	301.8	303.2	307.5	310.3	307.5	313.2	304.6
80°	142.3	145.2	152.3	158.0	168.0	176.5	182.2	185.1	185.1	189.3	185.1
82.5°	81.1	84.0	88.3	91.1	99.6	106.8	112.5	116.7	116.7	118.1	115.3
85°	38.4	38.4	41.3	44.1	48.4	51.2	58.4	62.6	62.6	65.5	62.6
87.5°	5.7	7.1	8.5	8.5	11.4	14.2	17.1	18.5	21.4	22.8	22.8
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)