

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: P637192

Luminaire Tested: GWS-SA4C-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17356.5 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

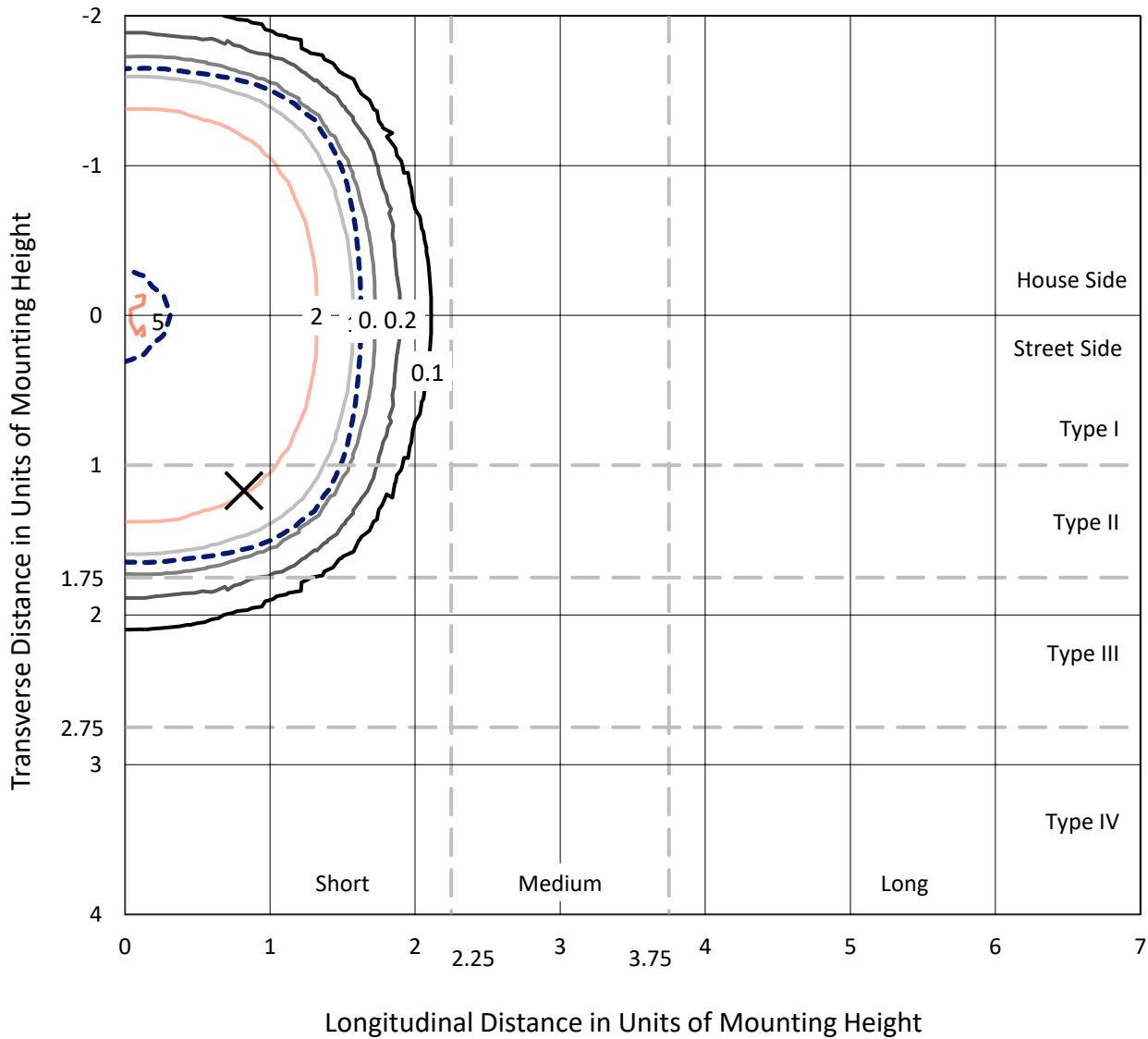
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

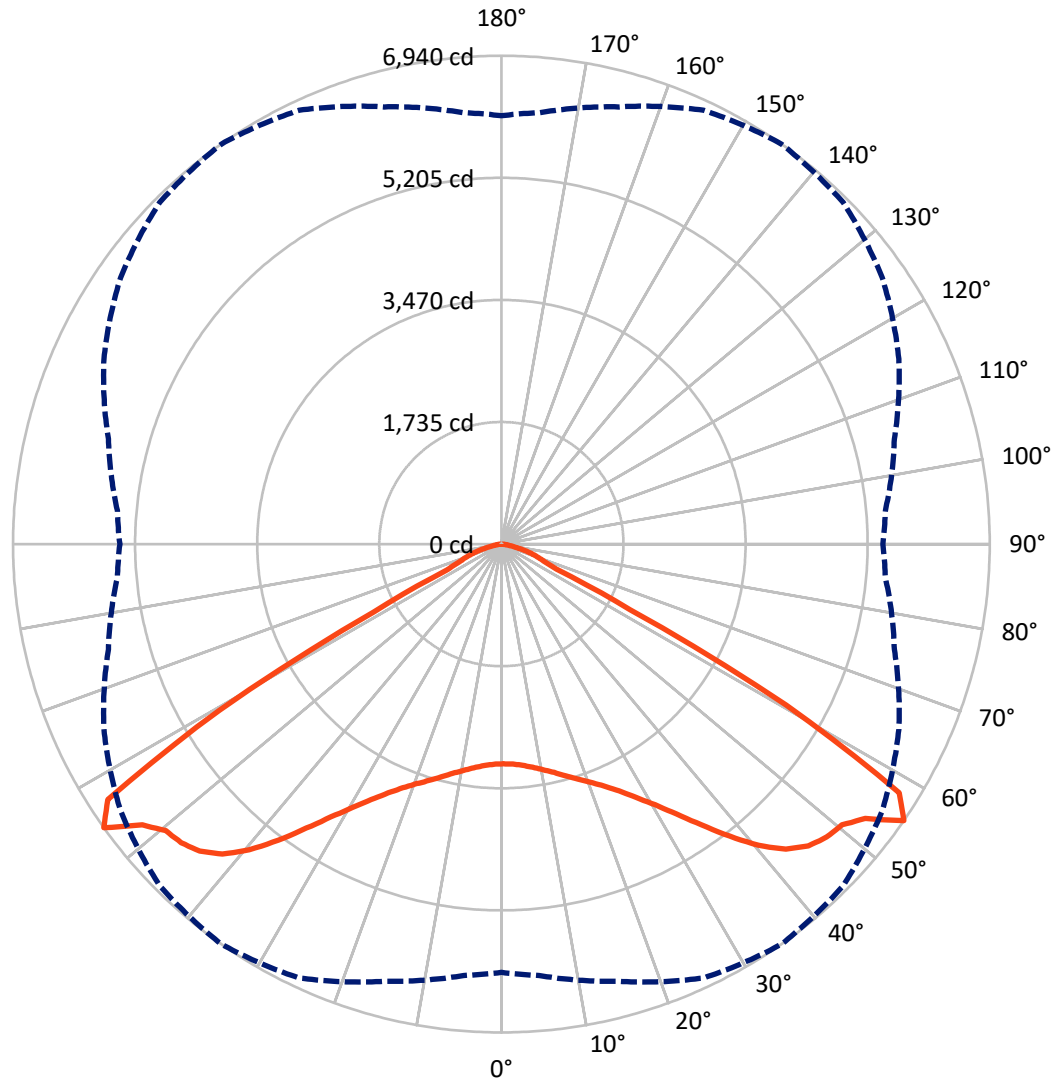
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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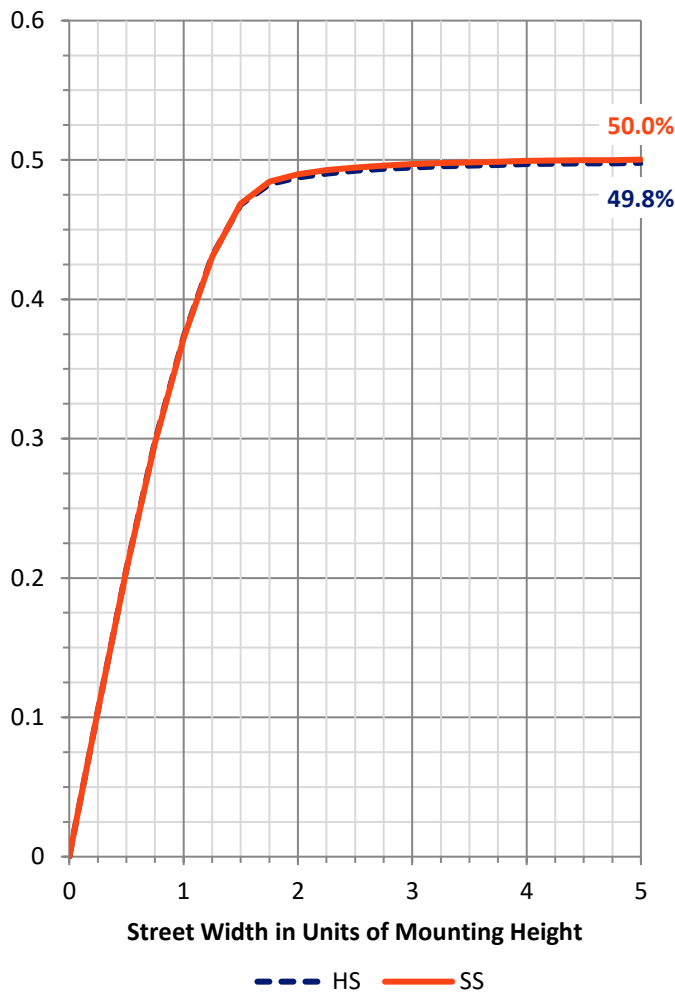
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8678.2	0.0	8678.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8678.2	0.0	8678.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17356.5	0.0	17356.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.6	1.8
10°-20°	969.6	5.6
20°-30°	1794.6	10.3
30°-40°	3002.0	17.3
40°-50°	4574.6	26.4
50°-60°	5124.5	29.5
60°-70°	1212.5	7.0
70°-80°	326.9	1.9
80°-90°	47.0	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°	17356.5	100.0
0°-180°	17356.5	100.0

Coefficient of Utilization



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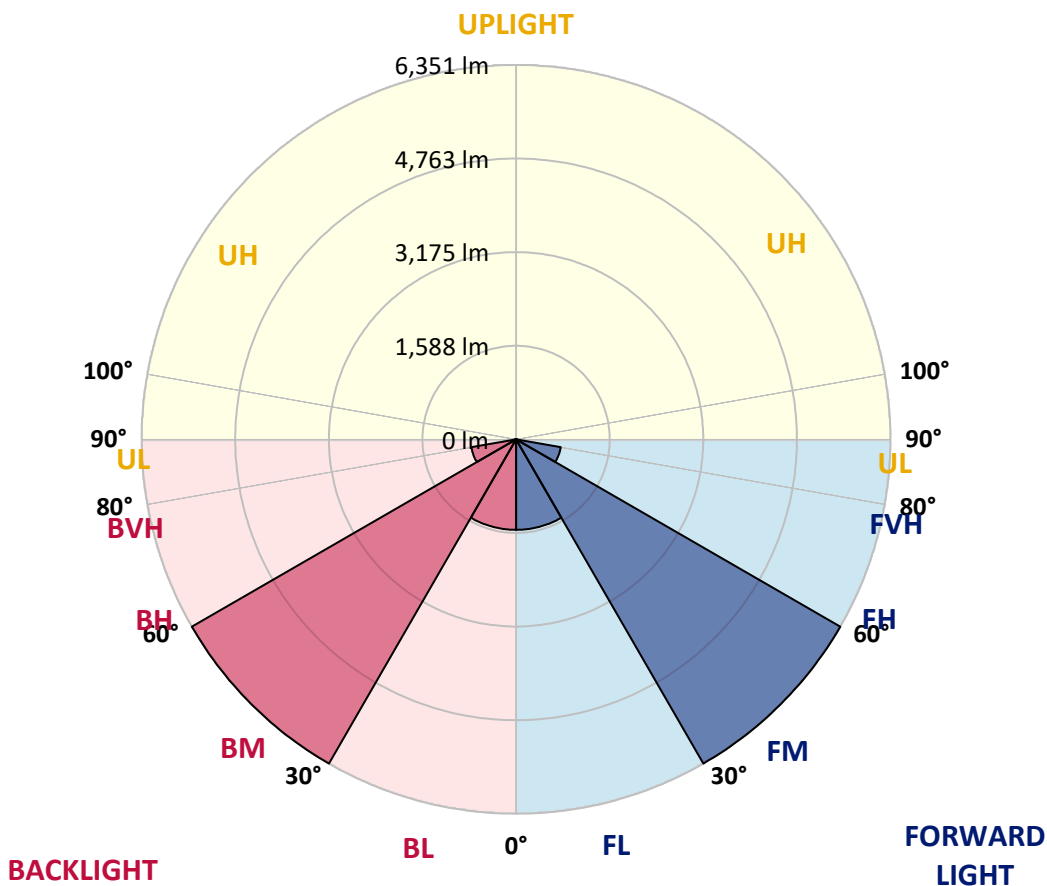
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1534.4	8.8			
FM (30°-60°)	6350.6	36.6			
FH (60°-80°)	769.7	4.4			G1/1800
FVH (80°-90°)	23.5	0.1			G1/100
BL (0°-30°)	1534.4	8.8	B3/2500		
BM (30°-60°)	6350.6	36.6	B4/8500		
BH (60°-80°)	769.7	4.4	B2/1000		G1/1800
BVH (80°-90°)	23.5	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5	3122.5
2.5°	3115.6	3115.6	3121.1	3128.0	3129.3	3143.1	3140.3	3134.8	3132.1	3126.6	3139.0
5°	3149.9	3151.3	3155.4	3159.5	3156.8	3167.8	3163.7	3156.8	3152.7	3145.8	3158.2
7.5°	3195.2	3195.2	3199.3	3204.8	3202.1	3218.6	3210.3	3200.7	3193.9	3185.6	3196.6
10°	3236.4	3239.1	3243.3	3254.2	3259.7	3277.6	3272.1	3258.4	3247.4	3237.8	3250.1
12.5°	3298.2	3300.9	3305.0	3320.1	3329.7	3347.6	3339.3	3320.1	3303.7	3289.9	3303.7
15°	3377.8	3375.0	3386.0	3405.2	3417.6	3434.0	3424.4	3391.5	3369.5	3351.7	3365.4
17.5°	3458.7	3457.4	3468.4	3493.1	3510.9	3532.9	3516.4	3478.0	3454.6	3432.7	3446.4
20°	3546.6	3550.7	3561.7	3585.0	3611.1	3639.9	3626.2	3585.0	3558.9	3534.2	3545.2
22.5°	3655.0	3656.4	3668.7	3698.9	3733.3	3760.7	3752.5	3701.7	3668.7	3642.7	3656.4
25°	3785.4	3784.0	3800.5	3836.2	3884.2	3911.7	3893.8	3837.6	3801.9	3771.7	3782.7
27.5°	3935.0	3933.6	3958.3	4005.0	4073.6	4112.1	4075.0	4005.0	3955.6	3913.1	3922.7
30°	4123.0	4118.9	4146.4	4209.5	4298.7	4363.2	4308.3	4210.9	4146.4	4101.1	4110.7
32.5°	4331.7	4337.2	4371.5	4456.6	4569.1	4652.8	4570.5	4462.1	4375.6	4309.7	4320.7
35°	4560.9	4560.9	4630.9	4736.6	4897.1	5008.3	4880.7	4724.2	4608.9	4518.3	4521.1
37.5°	4816.2	4818.9	4910.9	5056.4	5266.4	5396.7	5223.8	5030.3	4890.3	4792.8	4787.3
40°	5127.7	5136.0	5230.7	5392.6	5628.7	5748.1	5562.8	5373.4	5230.7	5115.4	5104.4
42.5°	5479.1	5481.8	5582.0	5727.5	5926.5	5997.9	5852.4	5697.3	5580.7	5476.4	5465.4
45°	5814.0	5807.1	5893.6	6002.0	6117.3	6124.2	6043.2	5980.1	5878.5	5789.3	5772.8
47.5°	6074.8	6069.3	6147.5	6206.5	6220.3	6153.0	6179.1	6188.7	6070.7	5949.9	5918.3
50°	6234.0	6245.0	6319.1	6352.0	6271.0	6161.2	6260.1	6235.4	6066.5	5908.7	5857.9
52.5°	6330.1	6346.5	6475.5	6559.3	6475.5	6371.2	6385.0	6239.5	5996.5	5787.9	5722.0
55°	6087.1	6153.0	6431.6	6802.2	6939.5	6866.7	6605.9	6231.2	5781.1	5477.7	5421.5
57.5°	4511.5	4615.8	5028.9	5831.8	6666.3	6931.2	6169.5	5223.8	4541.7	4151.9	4118.9
60°	2303.1	2419.8	2750.5	3575.4	4648.7	5022.0	4297.4	3344.8	2658.6	2342.9	2307.2
62.5°	940.2	959.4	1067.8	1386.2	2054.7	2370.3	2082.1	1461.7	1098.0	1011.5	1012.9
65°	739.8	743.9	738.4	757.6	860.6	955.3	882.5	775.5	756.3	765.9	759.0
67.5°	645.1	646.5	642.3	642.3	646.5	642.3	650.6	654.7	657.4	668.4	661.6
70°	539.4	540.8	540.8	543.5	542.1	535.3	547.6	553.1	554.5	561.4	557.2
72.5°	417.2	421.4	424.1	425.5	424.1	420.0	426.9	436.5	435.1	442.0	435.1
75°	282.7	288.2	291.0	296.5	295.1	295.1	303.3	307.4	303.3	308.8	303.3
77.5°	160.6	164.7	172.9	178.4	183.9	188.0	193.5	196.3	194.9	197.6	194.9
80°	93.3	94.7	101.6	104.3	111.2	118.0	123.5	126.3	127.6	129.0	127.6
82.5°	53.5	54.9	57.6	60.4	65.9	71.4	76.9	81.0	81.0	82.4	81.0
85°	26.1	26.1	27.5	28.8	31.6	35.7	39.8	43.9	45.3	45.3	45.3
87.5°	4.1	4.1	5.5	5.5	6.9	8.2	11.0	13.7	15.1	15.1	15.1
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)