

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: P640000

Luminaire Tested: GWS-SA5D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640000
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-SA5D-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18688.1 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

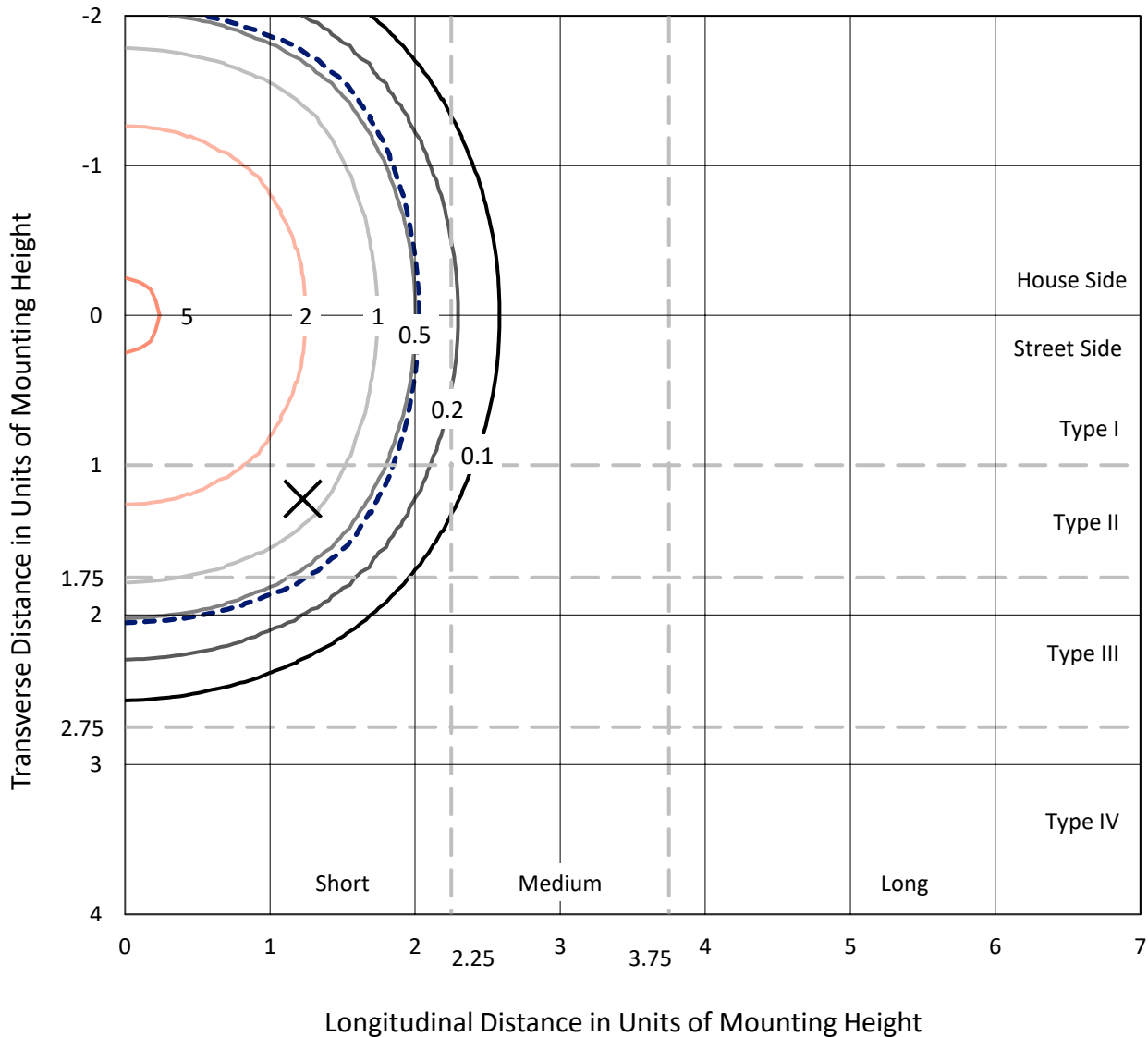
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

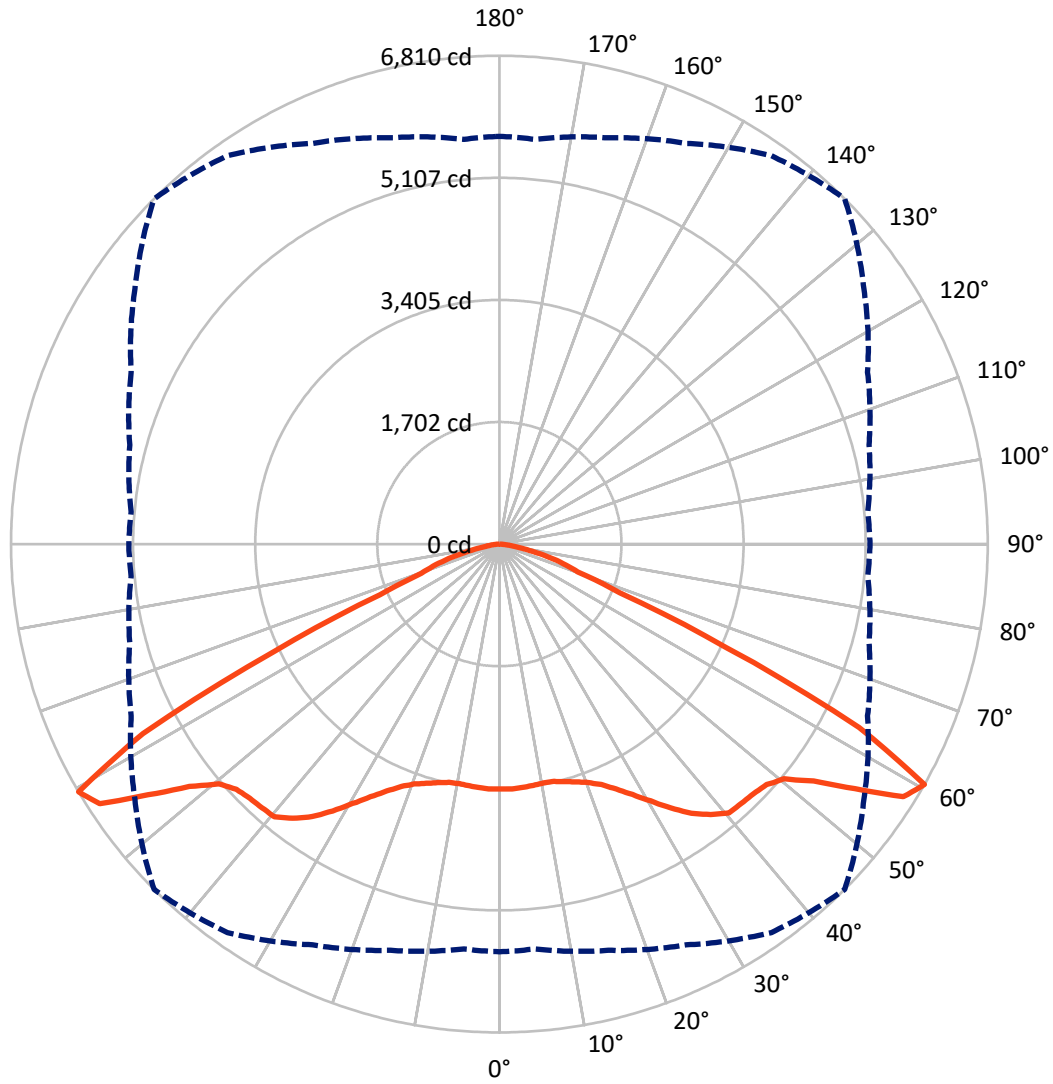
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	9344.0	0.0	9344.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9344.0	0.0	9344.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18688.1	0.0	18688.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	1.7
10°-20°	974.2	5.2
20°-30°	1723.5	9.2
30°-40°	2774.9	14.8
40°-50°	3814.0	20.4
50°-60°	5082.6	27.2
60°-70°	3167.7	17.0
70°-80°	728.4	3.9
80°-90°	98.8	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°	18688.1	100.0
0°-180°	18688.1	100.0

Coefficient of Utilization



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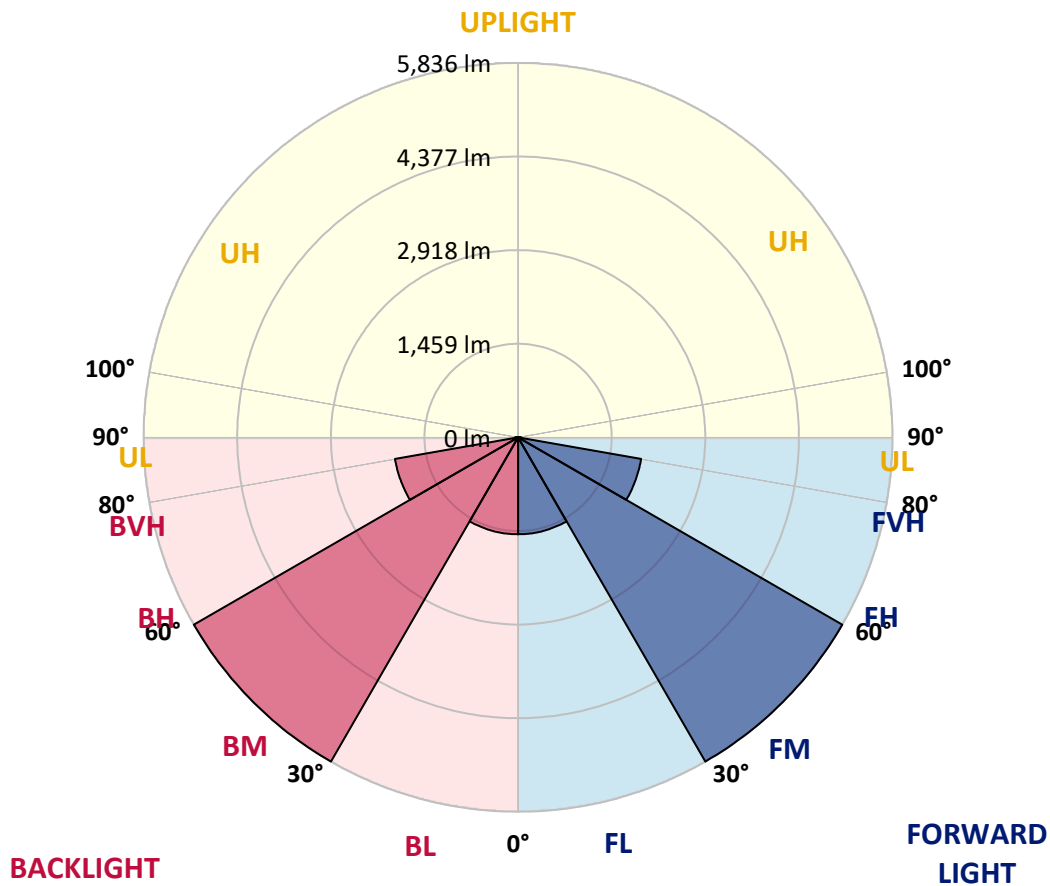
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1510.8	8.1			
FM (30°-60°)	5835.8	31.2			
FH (60°-80°)	1948.1	10.4			G2/5000
FVH (80°-90°)	49.4	0.3			G1/100
BL (0°-30°)	1510.8	8.1	B3/2500		
BM (30°-60°)	5835.8	31.2	B4/8500		
BH (60°-80°)	1948.1	10.4	B3/2500		G2/5000
BVH (80°-90°)	49.4	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2	3415.2
2.5°	3391.4	3394.6	3400.9	3405.7	3412.1	3418.4	3421.6	3415.2	3412.1	3399.4	3413.6
5°	3394.6	3397.8	3402.5	3402.5	3404.1	3408.9	3408.9	3400.9	3393.0	3378.7	3394.6
7.5°	3389.8	3393.0	3394.6	3393.0	3394.6	3396.2	3393.0	3383.5	3375.6	3362.9	3375.6
10°	3381.9	3385.1	3388.3	3385.1	3381.9	3386.7	3386.7	3380.3	3375.6	3362.9	3377.2
12.5°	3399.4	3404.1	3405.7	3397.8	3394.6	3396.2	3396.2	3389.8	3389.8	3378.7	3394.6
15°	3440.6	3443.8	3439.0	3429.5	3431.1	3435.8	3424.7	3408.9	3405.7	3400.9	3413.6
17.5°	3472.3	3475.5	3470.7	3464.4	3475.5	3486.6	3466.0	3435.8	3426.3	3423.2	3437.4
20°	3507.2	3512.0	3505.6	3513.6	3535.8	3548.5	3523.1	3481.8	3462.8	3458.1	3475.5
22.5°	3564.3	3570.7	3570.7	3588.1	3621.4	3642.1	3610.3	3554.8	3526.3	3518.3	3535.8
25°	3654.7	3659.5	3664.3	3699.2	3753.1	3781.7	3730.9	3654.7	3615.1	3602.4	3611.9
27.5°	3780.1	3788.0	3795.9	3846.7	3913.3	3954.6	3881.6	3786.4	3737.2	3711.9	3730.9
30°	3929.2	3940.3	3959.3	4016.4	4110.0	4156.0	4062.4	3946.6	3891.1	3864.1	3889.5
32.5°	4132.2	4133.8	4148.1	4211.5	4335.3	4387.6	4270.2	4141.7	4084.6	4052.9	4067.2
35°	4373.3	4374.9	4352.7	4417.7	4551.0	4609.7	4471.7	4341.6	4294.0	4284.5	4321.0
37.5°	4620.8	4606.5	4584.3	4612.9	4747.7	4785.8	4639.8	4528.8	4508.2	4525.6	4579.5
40°	4796.9	4773.1	4728.6	4749.3	4885.7	4930.1	4774.7	4670.0	4663.6	4706.4	4771.5
42.5°	4911.1	4885.7	4833.3	4833.3	4926.9	4946.0	4825.4	4769.9	4784.2	4833.3	4895.2
45°	4966.6	4952.3	4922.2	4906.3	4958.7	4966.6	4874.6	4852.4	4879.3	4903.1	4950.7
47.5°	5009.4	5009.4	4999.9	4984.0	5007.8	5012.6	4944.4	4938.0	4972.9	4972.9	5004.7
50°	5085.6	5093.5	5106.2	5103.0	5128.4	5144.2	5093.5	5084.0	5098.2	5052.2	5068.1
52.5°	5285.4	5306.0	5342.5	5371.1	5436.1	5485.3	5394.9	5318.7	5244.2	5142.7	5145.8
55°	5643.9	5653.4	5724.8	5808.9	5918.3	6018.3	5832.7	5596.3	5434.5	5315.6	5317.2
57.5°	5946.9	5961.2	6065.9	6241.9	6487.8	6643.3	6232.4	5837.4	5609.0	5463.1	5467.8
60°	5685.2	5666.1	5864.4	6165.8	6611.5	6809.8	6203.9	5664.5	5336.2	5155.4	5168.0
62.5°	4398.7	4362.2	4582.7	4898.4	5432.9	5631.2	5072.9	4555.7	4244.8	4103.7	4083.0
65°	2677.6	2644.3	2802.9	2996.5	3358.1	3483.4	3228.0	2953.6	2682.4	2596.7	2572.9
67.5°	1457.8	1453.0	1495.8	1591.0	1749.6	1808.3	1759.2	1629.1	1559.3	1499.0	1499.0
70°	1156.4	1146.9	1138.9	1140.5	1154.8	1162.7	1164.3	1158.0	1165.9	1167.5	1161.1
72.5°	958.1	954.9	939.1	940.7	934.3	931.1	942.2	948.6	961.3	962.9	962.9
75°	694.8	686.9	694.8	696.4	690.0	690.0	698.0	696.4	702.7	705.9	688.4
77.5°	395.0	395.0	406.1	418.8	428.3	428.3	436.2	436.2	444.2	442.6	439.4
80°	217.3	217.3	223.7	231.6	241.1	250.6	258.6	260.1	264.9	263.3	258.6
82.5°	123.7	125.3	128.5	133.2	142.8	150.7	158.6	160.2	165.0	165.0	160.2
85°	58.7	57.1	58.7	61.9	66.6	73.0	80.9	85.7	88.8	88.8	85.7
87.5°	11.1	12.7	11.1	12.7	14.3	19.0	22.2	25.4	30.1	31.7	28.6
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)