

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: P637519

Luminaire Tested: GWS-SA4D-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637519
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-SA4D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15794.2 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

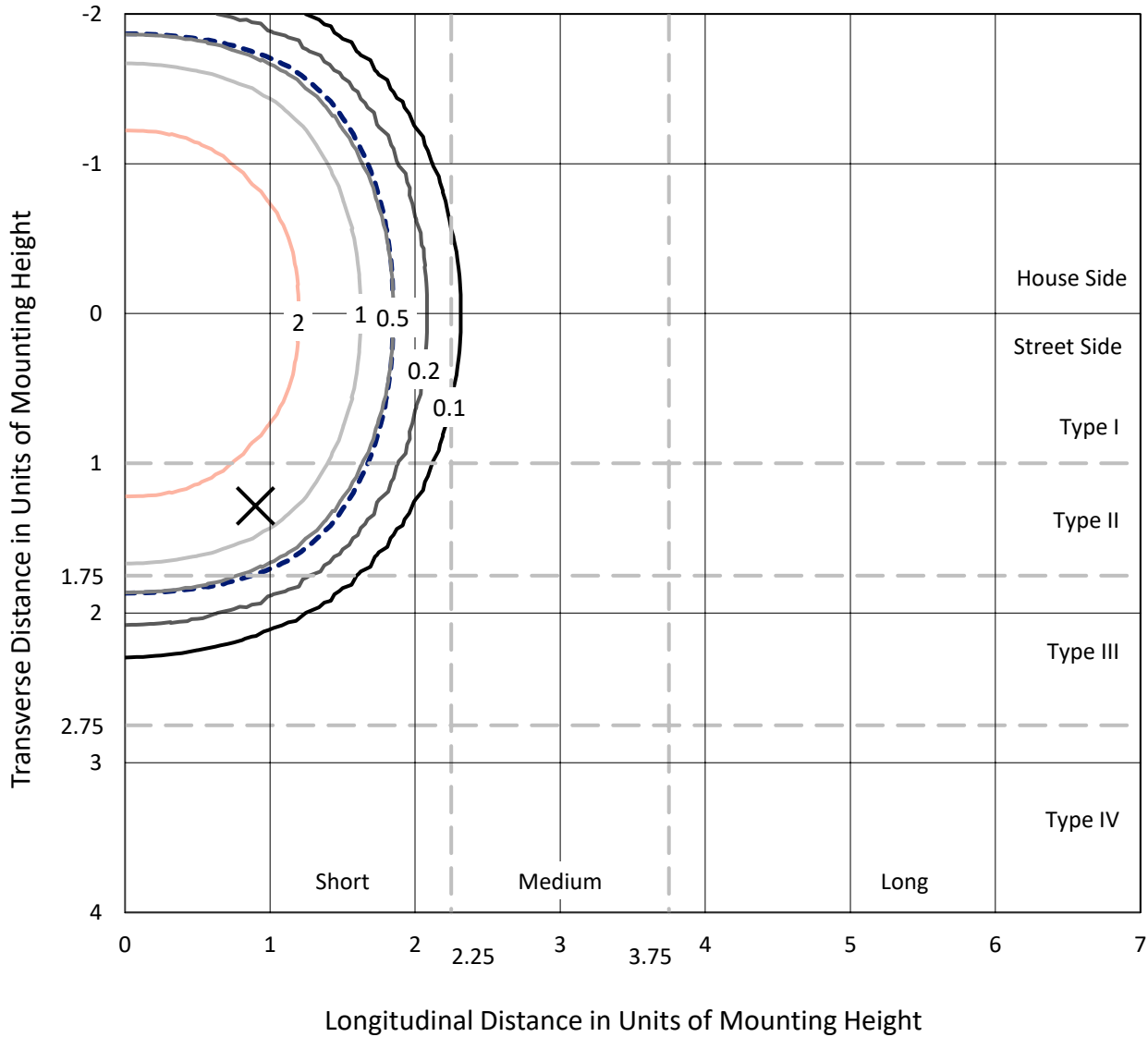
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

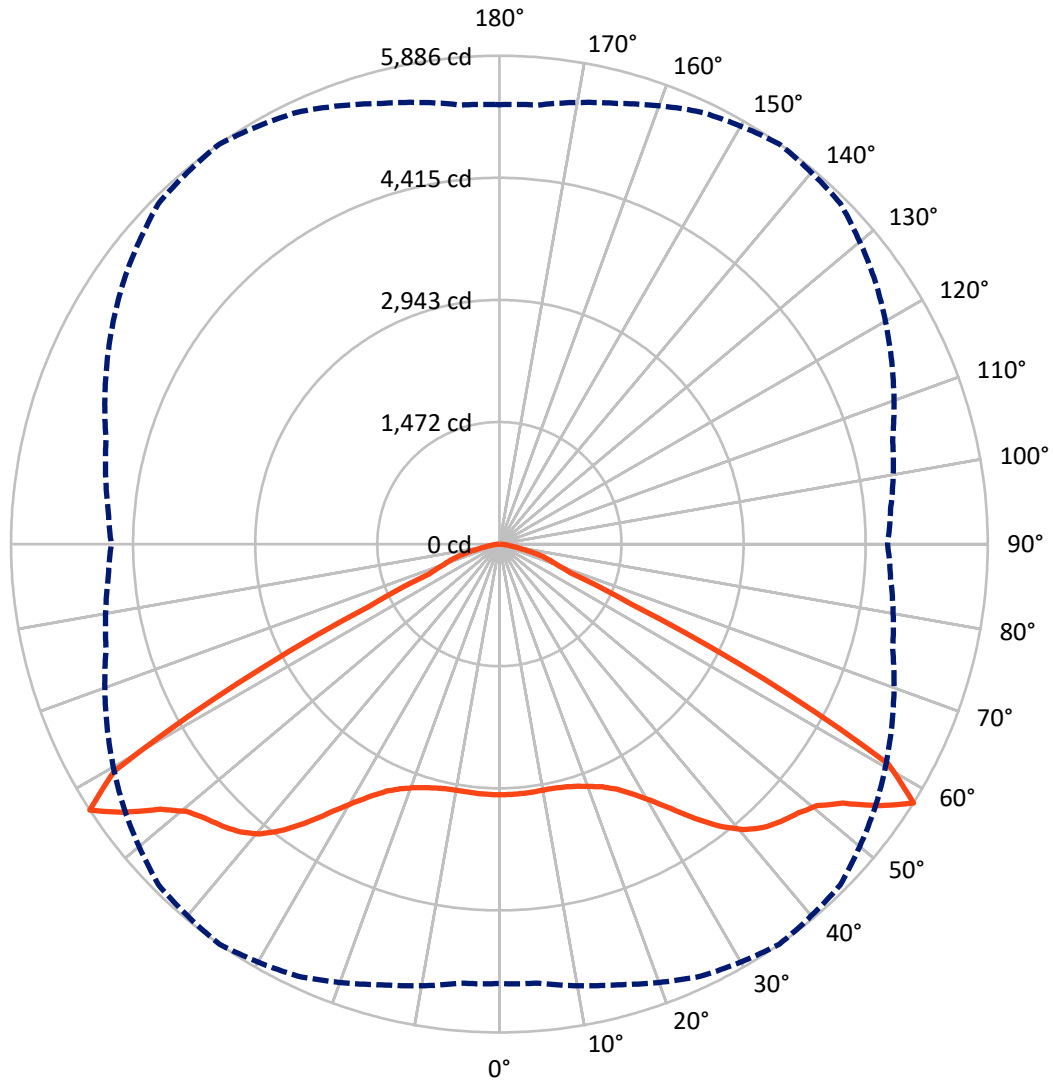
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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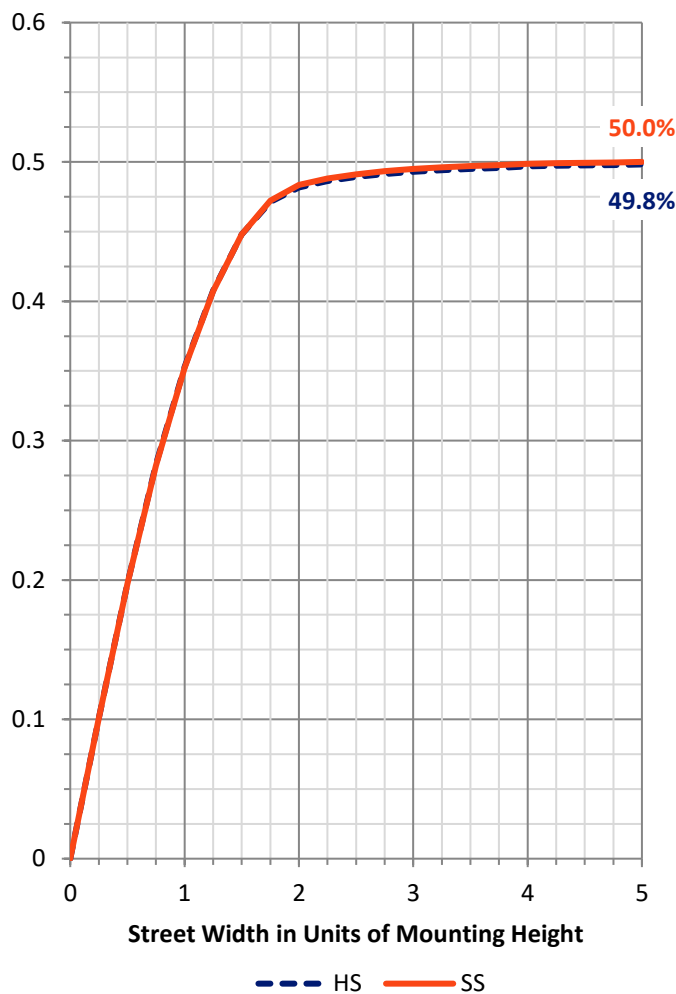
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7897.1	0.0	7897.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7897.1	0.0	7897.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15794.2	0.0	15794.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.5	1.8
10°-20°	857.7	5.4
20°-30°	1496.6	9.5
30°-40°	2454.1	15.5
40°-50°	3614.3	22.9
50°-60°	4612.5	29.2
60°-70°	1943.9	12.3
70°-80°	464.3	2.9
80°-90°	63.2	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°	15794.2	100.0
0°-180°	15794.2	100.0

Coefficient of Utilization



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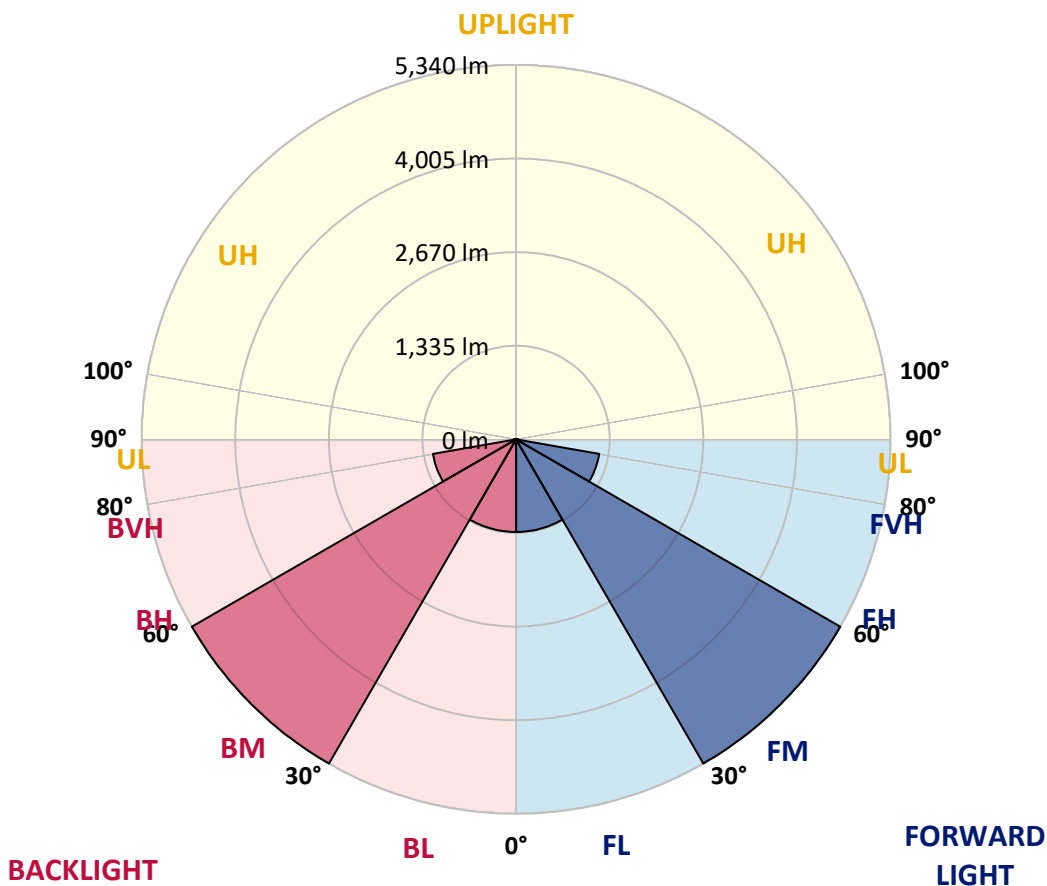
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1320.9	8.4			
FM (30°-60°)	5340.5	33.8			
FH (60°-80°)	1204.1	7.6			G1/1800
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	1320.9	8.4	B3/2500		
BM (30°-60°)	5340.5	33.8	B4/8500		
BH (60°-80°)	1204.1	7.6	B3/2500		G1/1800
BVH (80°-90°)	31.6	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°	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0	3022.0
2.5°	3003.9	3003.9	3010.4	3016.9	3019.5	3031.1	3029.8	3025.9	3023.3	3015.6	3025.9
5°	3010.4	3010.4	3015.6	3019.5	3018.2	3027.2	3023.3	3016.9	3013.0	3005.2	3016.9
7.5°	3009.1	3009.1	3013.0	3016.9	3014.3	3022.0	3015.6	3006.5	3000.1	2992.3	3002.6
10°	2992.3	2994.9	2998.8	3007.8	3011.7	3023.3	3014.3	3000.1	2989.7	2980.7	2991.0
12.5°	2989.7	2992.3	2997.5	3009.1	3015.6	3032.4	3020.7	2997.5	2982.0	2970.3	2980.7
15°	3001.3	3003.9	3011.7	3025.9	3036.3	3054.4	3037.6	3005.2	2983.2	2967.7	2976.8
17.5°	3015.6	3019.5	3031.1	3051.8	3068.6	3088.0	3067.3	3028.5	2997.5	2976.8	2984.5
20°	3031.1	3036.3	3054.4	3085.4	3116.4	3141.0	3115.1	3063.4	3025.9	2998.8	3006.5
22.5°	3058.2	3064.7	3088.0	3132.0	3178.5	3214.7	3182.4	3112.6	3063.4	3028.5	3035.0
25°	3113.9	3121.6	3151.4	3204.4	3270.3	3314.3	3269.0	3190.1	3121.6	3078.9	3085.4
27.5°	3212.1	3216.0	3254.8	3324.6	3406.1	3456.5	3402.2	3309.1	3232.8	3183.7	3188.9
30°	3341.4	3353.1	3391.9	3483.7	3580.7	3647.9	3576.8	3466.9	3378.9	3319.5	3324.6
32.5°	3499.2	3507.0	3565.2	3660.8	3800.5	3878.1	3781.1	3650.5	3544.5	3472.0	3477.2
35°	3706.1	3712.6	3768.2	3889.7	4059.1	4131.5	4020.3	3870.3	3747.5	3678.9	3698.3
37.5°	3953.1	3964.7	4004.8	4125.1	4313.9	4385.0	4257.0	4117.3	3989.3	3925.9	3940.2
40°	4218.2	4216.9	4249.2	4355.3	4527.2	4571.2	4456.1	4344.9	4235.0	4193.6	4216.9
42.5°	4445.8	4439.3	4462.6	4550.5	4669.5	4673.4	4597.1	4535.0	4457.4	4429.0	4450.9
45°	4604.8	4607.4	4642.3	4703.1	4763.9	4731.6	4708.3	4697.9	4637.2	4598.4	4602.2
47.5°	4730.3	4740.6	4796.2	4837.6	4845.3	4791.0	4823.4	4838.9	4788.5	4729.0	4712.2
50°	4841.5	4858.3	4930.7	4974.7	4957.9	4889.3	4952.7	4976.0	4864.7	4751.0	4717.3
52.5°	5043.2	5062.6	5150.5	5207.4	5188.0	5119.5	5179.0	5096.2	4908.7	4769.1	4726.4
55°	5365.2	5374.2	5481.6	5574.7	5565.6	5481.6	5433.7	5250.1	5022.5	4877.7	4837.6
57.5°	5296.7	5312.2	5498.4	5746.7	5886.3	5810.0	5529.4	5216.5	4907.4	4732.8	4678.5
60°	4167.8	4205.3	4436.7	4873.8	5385.9	5384.6	4863.5	4377.2	4004.8	3773.3	3750.1
62.5°	2433.7	2459.5	2670.3	3112.6	3571.6	3600.1	3234.1	2900.5	2574.6	2418.1	2343.1
65°	1152.2	1150.9	1234.9	1434.1	1744.4	1769.0	1659.1	1476.8	1284.1	1231.1	1216.8
67.5°	850.9	850.9	844.4	858.6	918.1	931.1	918.1	888.4	870.3	881.9	874.2
70°	738.4	739.7	731.9	728.0	728.0	724.2	729.3	741.0	748.7	764.2	756.5
72.5°	598.7	600.0	600.0	601.3	602.6	597.4	605.2	611.6	612.9	618.1	612.9
75°	425.4	428.0	435.8	442.2	447.4	447.4	450.0	451.3	446.1	452.6	442.2
77.5°	234.1	236.6	250.9	262.5	274.1	275.4	279.3	281.9	279.3	284.5	276.7
80°	129.3	131.9	138.4	143.5	152.6	160.3	165.5	168.1	168.1	172.0	168.1
82.5°	73.7	76.3	80.2	82.8	90.5	97.0	102.2	106.0	106.0	107.3	104.7
85°	34.9	34.9	37.5	40.1	44.0	46.6	53.0	56.9	56.9	59.5	56.9
87.5°	5.2	6.5	7.8	7.8	10.3	12.9	15.5	16.8	19.4	20.7	20.7
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)