

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: P637522

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637522  
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-SA4D-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16352.9 lumens  
Efficiency: N/A  
Efficacy: 100.9 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

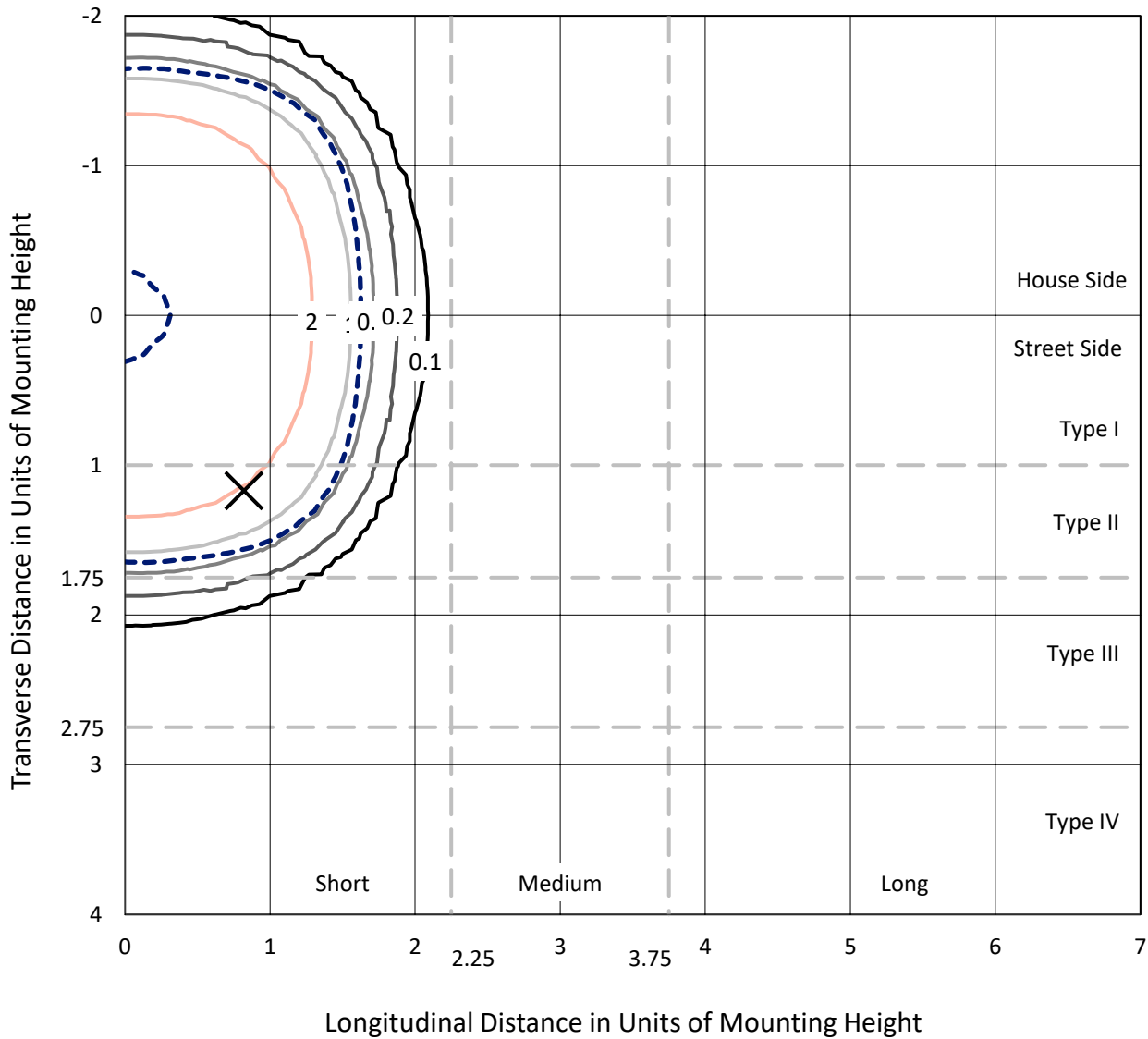


REPORT NUMBER: P637522

CATALOG NUMBER: GWS-SA4D-722-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

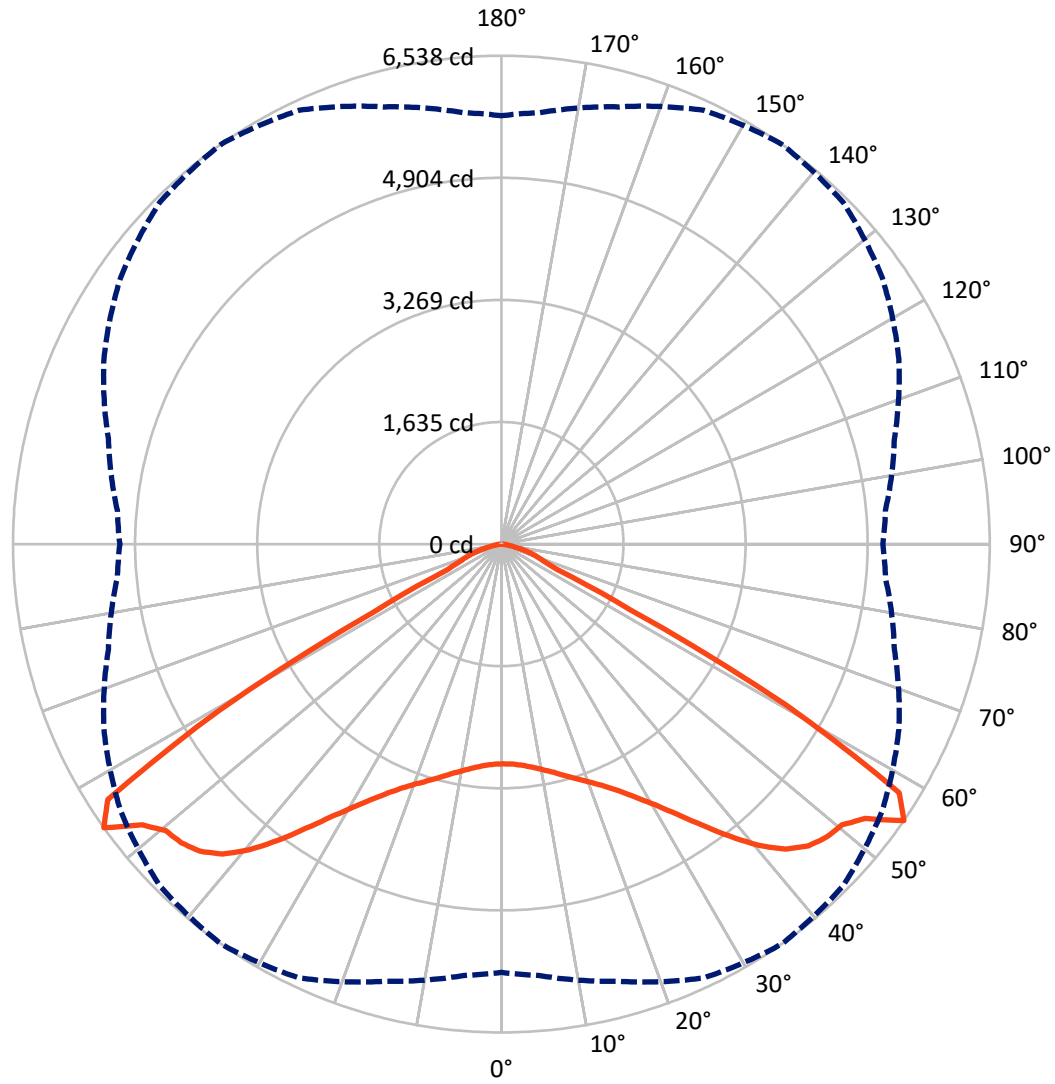
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P637522  
CATALOG NUMBER: GWS-SA4D-722-U-5NQ-W-GRSWH

### 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
<b>House Side</b>	Lumens	8176.4	0.0	8176.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8176.4	0.0	8176.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16352.9	0.0	16352.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.9	1.8
10°-20°	913.6	5.6
20°-30°	1690.9	10.3
30°-40°	2828.5	17.3
40°-50°	4310.1	26.4
50°-60°	4828.2	29.5
60°-70°	1142.4	7.0
70°-80°	308.0	1.9
80°-90°	44.3	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°	16352.9	100.0
0°-180°	16352.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637522

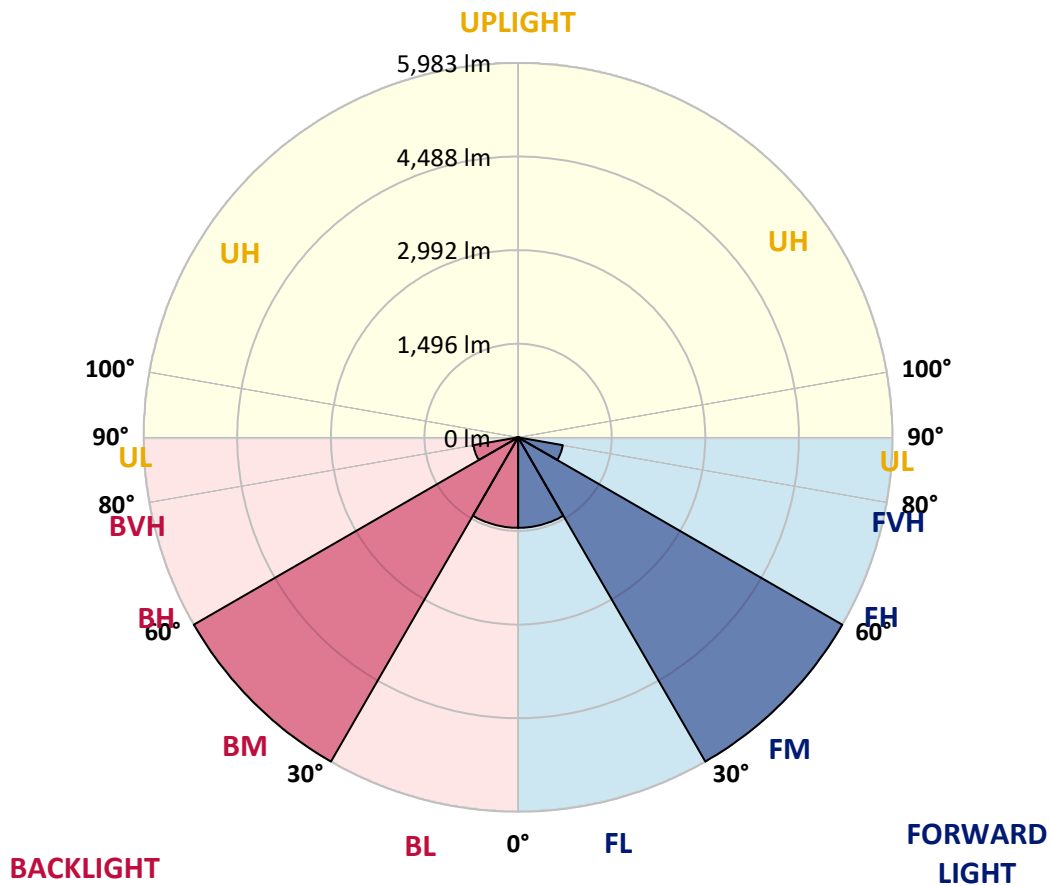
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1445.7	8.8			
FM (30°-60°)	5983.4	36.6			
FH (60°-80°)	725.2	4.4			G1/1800
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	1445.7	8.8	B3/2500		
BM (30°-60°)	5983.4	36.6	B4/8500		
BH (60°-80°)	725.2	4.4	B2/1000		G1/1800
BVH (80°-90°)	22.2	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°	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9	2941.9
2.5°	2935.5	2935.5	2940.6	2947.1	2948.4	2961.3	2958.7	2953.6	2951.0	2945.8	2957.4
5°	2967.8	2969.1	2973.0	2976.8	2974.3	2984.6	2980.7	2974.3	2970.4	2963.9	2975.6
7.5°	3010.5	3010.5	3014.3	3019.5	3016.9	3032.5	3024.7	3015.6	3009.2	3001.4	3011.8
10°	3049.3	3051.8	3055.7	3066.1	3071.2	3088.1	3082.9	3070.0	3059.6	3050.6	3062.2
12.5°	3107.5	3110.0	3113.9	3128.1	3137.2	3154.0	3146.2	3128.1	3112.6	3099.7	3112.6
15°	3182.5	3179.9	3190.2	3208.3	3220.0	3235.5	3226.4	3195.4	3174.7	3157.9	3170.8
17.5°	3258.8	3257.5	3267.8	3291.1	3307.9	3328.6	3313.1	3276.9	3254.9	3234.2	3247.1
20°	3341.5	3345.4	3355.7	3377.7	3402.3	3429.5	3416.5	3377.7	3353.2	3329.9	3340.2
22.5°	3443.7	3445.0	3456.6	3485.1	3517.4	3543.2	3535.5	3487.6	3456.6	3432.0	3445.0
25°	3566.5	3565.2	3580.7	3614.4	3659.6	3685.5	3668.7	3615.7	3582.0	3553.6	3563.9
27.5°	3707.5	3706.2	3729.5	3773.4	3838.1	3874.3	3839.4	3773.4	3726.9	3686.8	3695.8
30°	3884.6	3880.8	3906.6	3966.1	4050.2	4110.9	4059.2	3967.4	3906.6	3864.0	3873.0
32.5°	4081.2	4086.4	4118.7	4198.9	4304.9	4383.8	4306.2	4204.1	4122.6	4060.5	4070.9
35°	4297.2	4297.2	4363.1	4462.7	4614.0	4718.7	4598.5	4451.0	4342.4	4257.1	4259.7
37.5°	4537.7	4540.3	4626.9	4764.0	4961.8	5084.7	4921.8	4739.4	4607.5	4515.7	4510.5
40°	4831.2	4839.0	4928.2	5080.8	5303.2	5415.7	5241.2	5062.7	4928.2	4819.6	4809.2
42.5°	5162.3	5164.9	5259.3	5396.3	5583.8	5651.1	5514.0	5367.9	5258.0	5159.7	5149.3
45°	5477.8	5471.3	5552.8	5655.0	5763.6	5770.1	5693.8	5634.3	5538.6	5454.5	5439.0
47.5°	5723.5	5718.3	5792.0	5847.7	5860.6	5797.2	5821.8	5830.8	5719.6	5605.8	5576.1
50°	5873.5	5883.9	5953.7	5984.7	5908.4	5805.0	5898.1	5874.8	5715.8	5567.0	5519.2
52.5°	5964.0	5979.6	6101.1	6180.0	6101.1	6002.8	6015.8	5878.7	5649.8	5453.2	5391.2
55°	5735.1	5797.2	6059.7	6408.9	6538.2	6469.7	6224.0	5870.9	5446.8	5161.0	5108.0
57.5°	4250.6	4348.9	4738.1	5494.6	6280.9	6530.4	5812.7	4921.8	4279.1	3911.8	3880.8
60°	2169.9	2279.8	2591.5	3368.7	4379.9	4731.7	4048.9	3151.4	2504.8	2207.4	2173.8
62.5°	885.8	903.9	1006.1	1306.1	1935.9	2233.3	1961.7	1377.2	1034.5	953.1	954.3
65°	697.0	700.9	695.7	713.8	810.8	900.0	831.5	730.6	712.5	721.6	715.1
67.5°	607.8	609.1	605.2	605.2	609.1	605.2	613.0	616.8	619.4	629.8	623.3
70°	508.2	509.5	509.5	512.1	510.8	504.3	516.0	521.1	522.4	528.9	525.0
72.5°	393.1	397.0	399.6	400.9	399.6	395.7	402.2	411.2	409.9	416.4	409.9
75°	266.4	271.6	274.1	279.3	278.0	278.0	285.8	289.7	285.8	291.0	285.8
77.5°	151.3	155.2	162.9	168.1	173.3	177.2	182.3	184.9	183.6	186.2	183.6
80°	87.9	89.2	95.7	98.3	104.7	111.2	116.4	119.0	120.3	121.6	120.3
82.5°	50.4	51.7	54.3	56.9	62.1	67.2	72.4	76.3	76.3	77.6	76.3
85°	24.6	24.6	25.9	27.2	29.7	33.6	37.5	41.4	42.7	42.7	42.7
87.5°	3.9	3.9	5.2	5.2	6.5	7.8	10.3	12.9	14.2	14.2	14.2
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)