

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: P637357

Luminaire Tested: GWS-SA4C-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637357  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

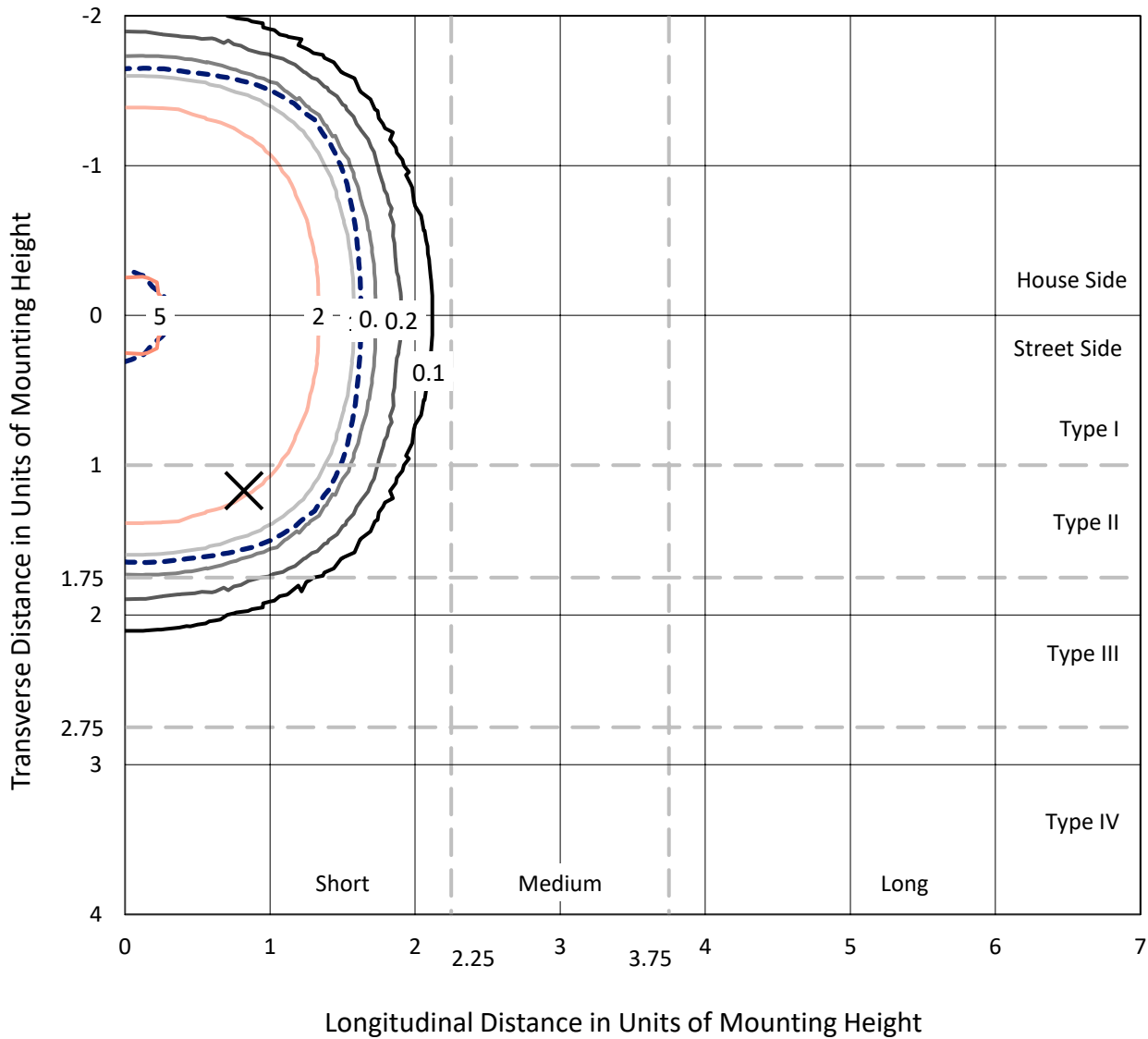
Lumens per Lamp: N/A  
Luminaire Lumens: 17754.3 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

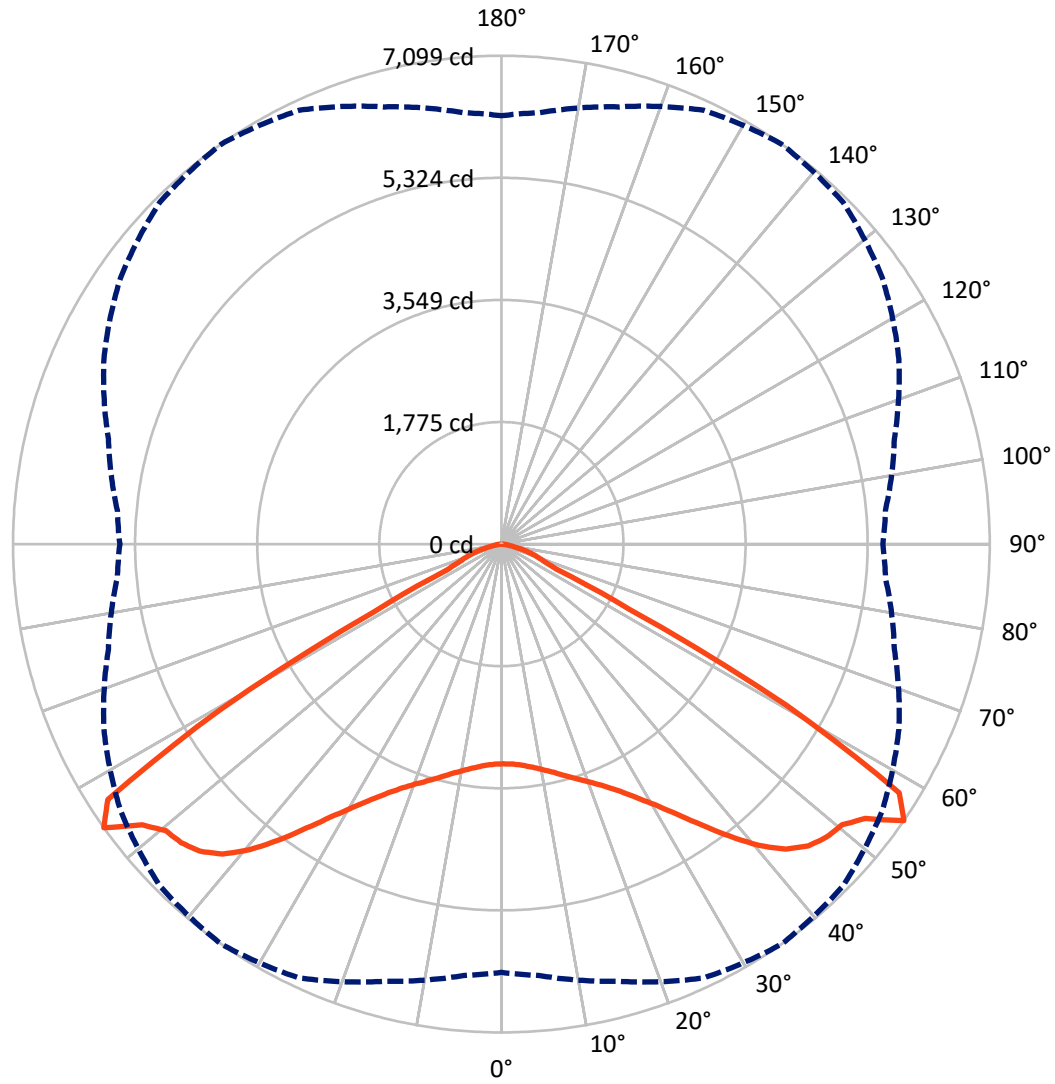
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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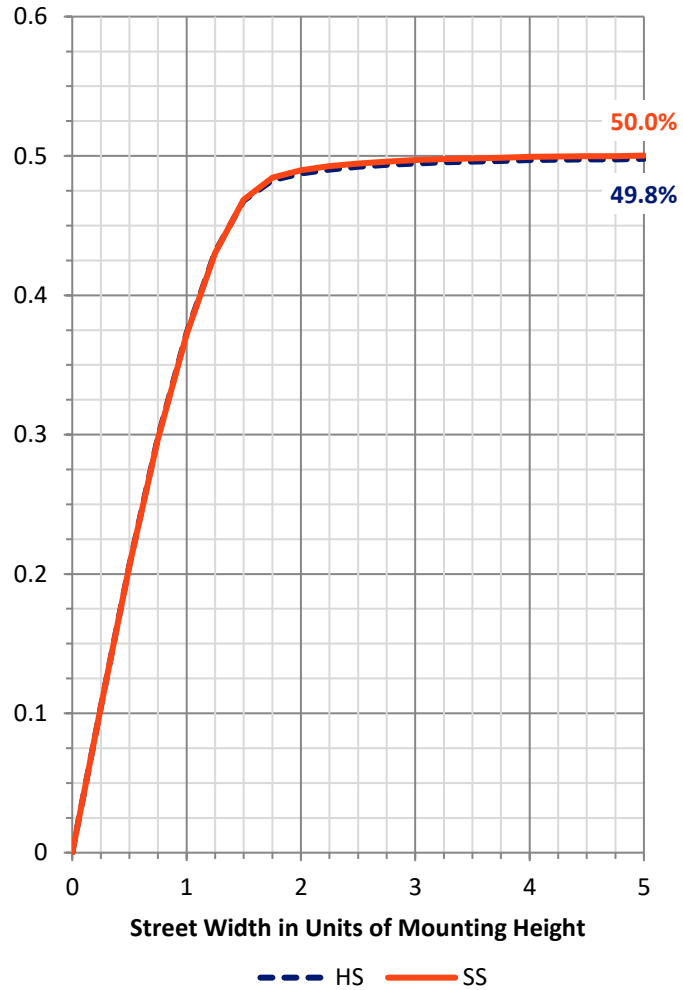
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8877.2	0.0	8877.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8877.2	0.0	8877.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17754.3	0.0	17754.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.5	1.8
10°-20°	991.9	5.6
20°-30°	1835.8	10.3
30°-40°	3070.9	17.3
40°-50°	4679.5	26.4
50°-60°	5242.0	29.5
60°-70°	1240.3	7.0
70°-80°	334.4	1.9
80°-90°	48.1	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°	17754.3	100.0
0°-180°	17754.3	100.0

**Coefficient of Utilization**



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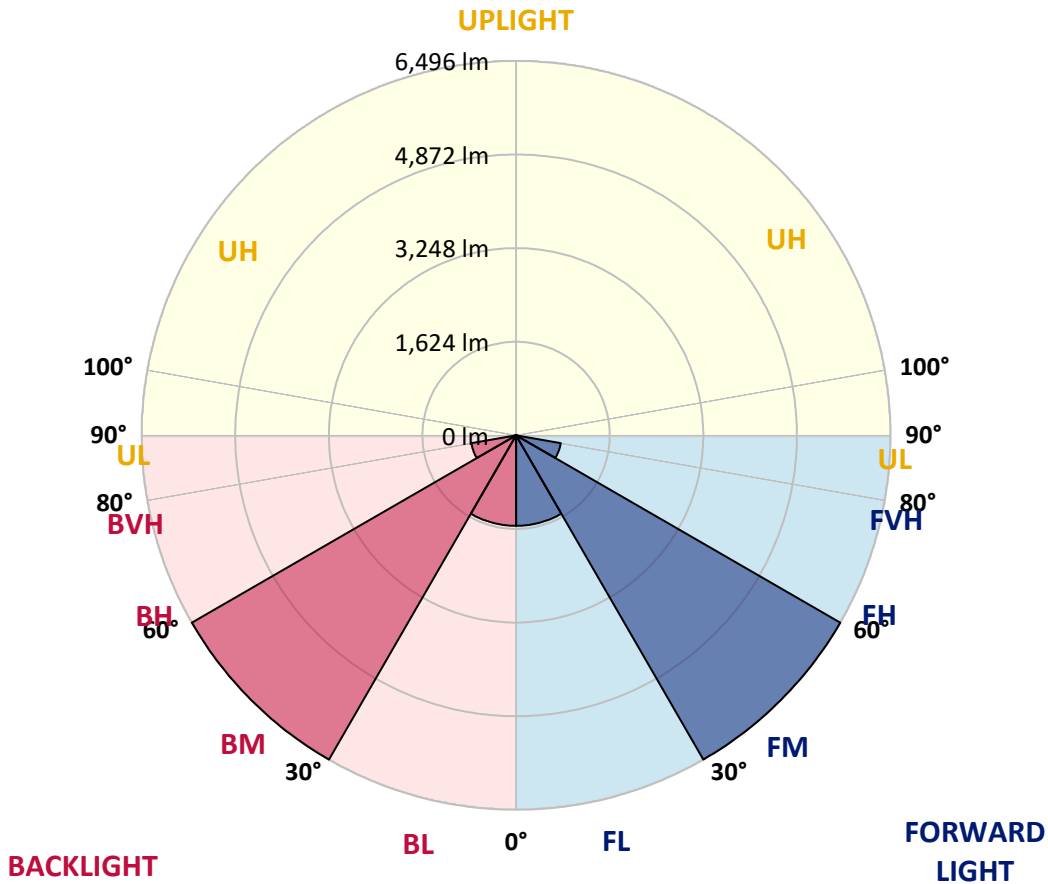
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1569.6	8.8			
FM (30°-60°)	6496.2	36.6			
FH (60°-80°)	787.4	4.4			G1/1800
FVH (80°-90°)	24.1	0.1			G1/100
BL (0°-30°)	1569.6	8.8	B3/2500		
BM (30°-60°)	6496.2	36.6	B4/8500		
BH (60°-80°)	787.4	4.4	B2/1000		G1/1800
BVH (80°-90°)	24.1	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°	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0	3194.0
2.5°	3187.0	3187.0	3192.6	3199.7	3201.1	3215.1	3212.3	3206.7	3203.9	3198.3	3210.9
5°	3222.1	3223.5	3227.7	3232.0	3229.1	3240.4	3236.2	3229.1	3224.9	3217.9	3230.5
7.5°	3268.5	3268.5	3272.7	3278.3	3275.5	3292.3	3283.9	3274.1	3267.1	3258.6	3269.9
10°	3310.6	3313.4	3317.6	3328.8	3334.4	3352.7	3347.1	3333.0	3321.8	3312.0	3324.6
12.5°	3373.8	3376.6	3380.8	3396.2	3406.0	3424.3	3415.9	3396.2	3379.4	3365.3	3379.4
15°	3455.2	3452.4	3463.6	3483.3	3495.9	3512.7	3502.9	3469.2	3446.8	3428.5	3442.6
17.5°	3538.0	3536.6	3547.8	3573.1	3591.4	3613.8	3597.0	3557.7	3533.8	3511.3	3525.4
20°	3627.9	3632.1	3643.3	3667.2	3693.9	3723.3	3709.3	3667.2	3640.5	3615.2	3626.5
22.5°	3738.8	3740.2	3752.8	3783.7	3818.8	3846.9	3838.5	3786.5	3752.8	3726.2	3740.2
25°	3872.2	3870.8	3887.6	3924.1	3973.3	4001.3	3983.1	3925.5	3889.0	3858.1	3869.4
27.5°	4025.2	4023.8	4049.1	4096.8	4167.0	4206.3	4168.4	4096.8	4046.3	4002.7	4012.6
30°	4217.5	4213.3	4241.4	4306.0	4397.3	4463.2	4407.1	4307.4	4241.4	4195.1	4204.9
32.5°	4430.9	4436.6	4471.7	4558.7	4673.8	4759.5	4675.2	4564.3	4475.9	4408.5	4419.7
35°	4665.4	4665.4	4737.0	4845.1	5009.4	5123.1	4992.5	4832.5	4714.6	4621.9	4624.7
37.5°	4926.6	4929.4	5023.4	5172.2	5387.1	5520.4	5343.5	5145.6	5002.4	4902.7	4897.1
40°	5245.3	5253.7	5350.6	5516.2	5757.7	5879.9	5690.3	5496.6	5350.6	5232.6	5221.4
42.5°	5604.7	5607.5	5710.0	5858.8	6062.4	6135.4	5986.6	5827.9	5708.6	5601.9	5590.6
45°	5947.2	5940.2	6028.7	6139.6	6257.5	6264.5	6181.7	6117.1	6013.2	5922.0	5905.1
47.5°	6214.0	6208.4	6288.4	6348.8	6362.8	6294.0	6320.7	6330.5	6209.8	6086.2	6053.9
50°	6376.9	6388.1	6463.9	6497.6	6414.8	6302.4	6403.5	6378.3	6205.6	6044.1	5992.2
52.5°	6475.1	6492.0	6624.0	6709.6	6624.0	6517.3	6531.3	6382.5	6134.0	5920.6	5853.2
55°	6226.6	6294.0	6579.0	6958.1	7098.5	7024.1	6757.3	6374.1	5913.5	5603.3	5545.7
57.5°	4614.9	4721.6	5144.2	5965.5	6819.1	7090.1	6310.9	5343.5	4645.8	4247.0	4213.3
60°	2355.9	2475.2	2813.6	3657.4	4755.3	5137.1	4395.8	3421.5	2719.5	2396.6	2360.1
62.5°	961.7	981.4	1092.3	1418.0	2101.8	2424.7	2129.8	1495.2	1123.2	1034.7	1036.1
65°	756.7	761.0	755.3	775.0	880.3	977.2	902.8	793.2	773.6	783.4	776.4
67.5°	659.9	661.3	657.1	657.1	661.3	657.1	665.5	669.7	672.5	683.7	676.7
70°	551.8	553.2	553.2	556.0	554.6	547.6	560.2	565.8	567.2	574.2	570.0
72.5°	426.8	431.0	433.8	435.2	433.8	429.6	436.6	446.5	445.1	452.1	445.1
75°	289.2	294.8	297.6	303.3	301.9	301.9	310.3	314.5	310.3	315.9	310.3
77.5°	164.3	168.5	176.9	182.5	188.1	192.3	198.0	200.8	199.4	202.2	199.4
80°	95.5	96.9	103.9	106.7	113.7	120.7	126.4	129.2	130.6	132.0	130.6
82.5°	54.8	56.2	59.0	61.8	67.4	73.0	78.6	82.8	82.8	84.2	82.8
85°	26.7	26.7	28.1	29.5	32.3	36.5	40.7	44.9	46.3	46.3	46.3
87.5°	4.2	4.2	5.6	5.6	7.0	8.4	11.2	14.0	15.4	15.4	15.4
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)