

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: P635875

Luminaire Tested: GWS-SA3E-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635875  
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-SA3E-760-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

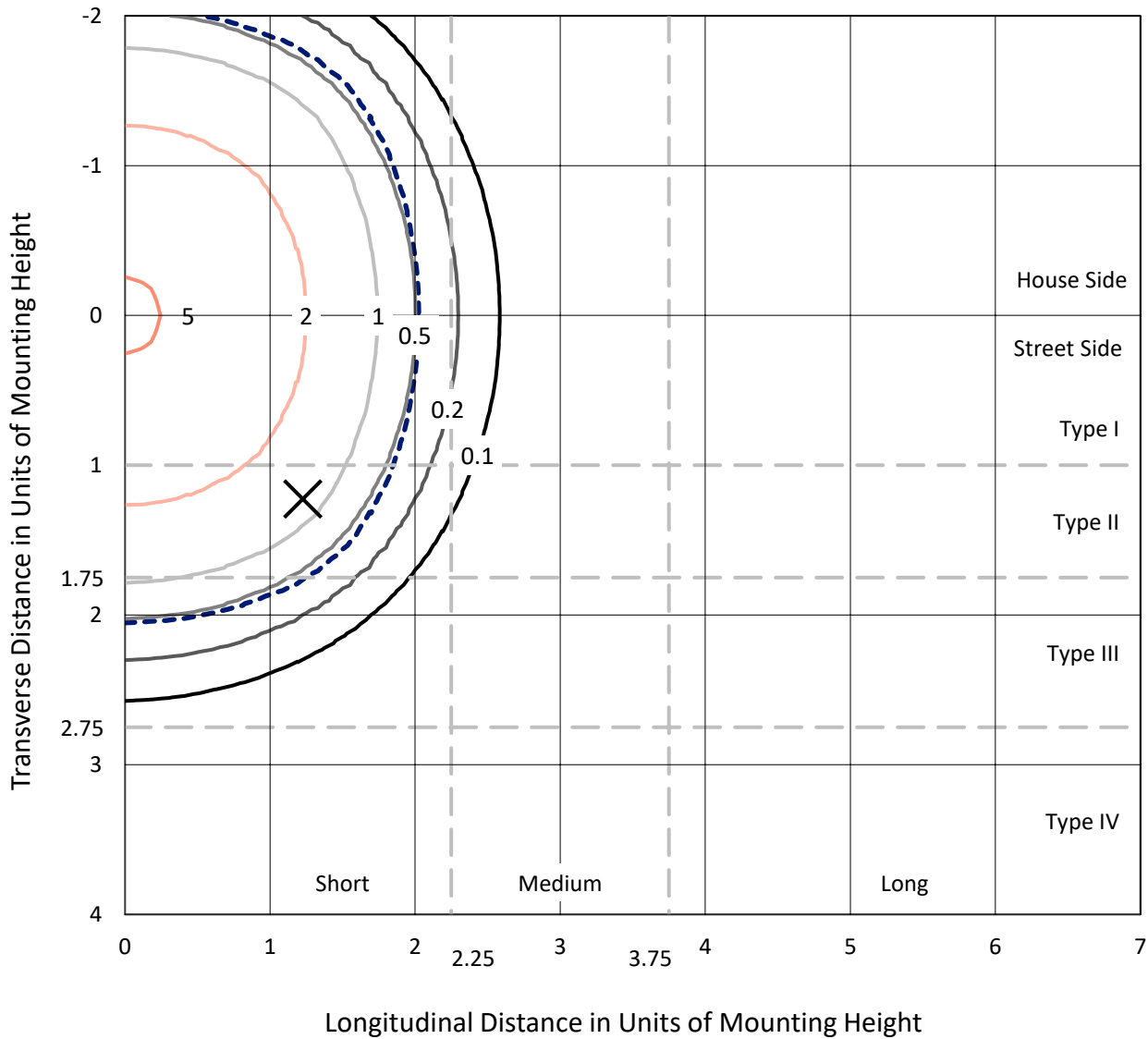
Lumens per Lamp: N/A  
Luminaire Lumens: 18738.1 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

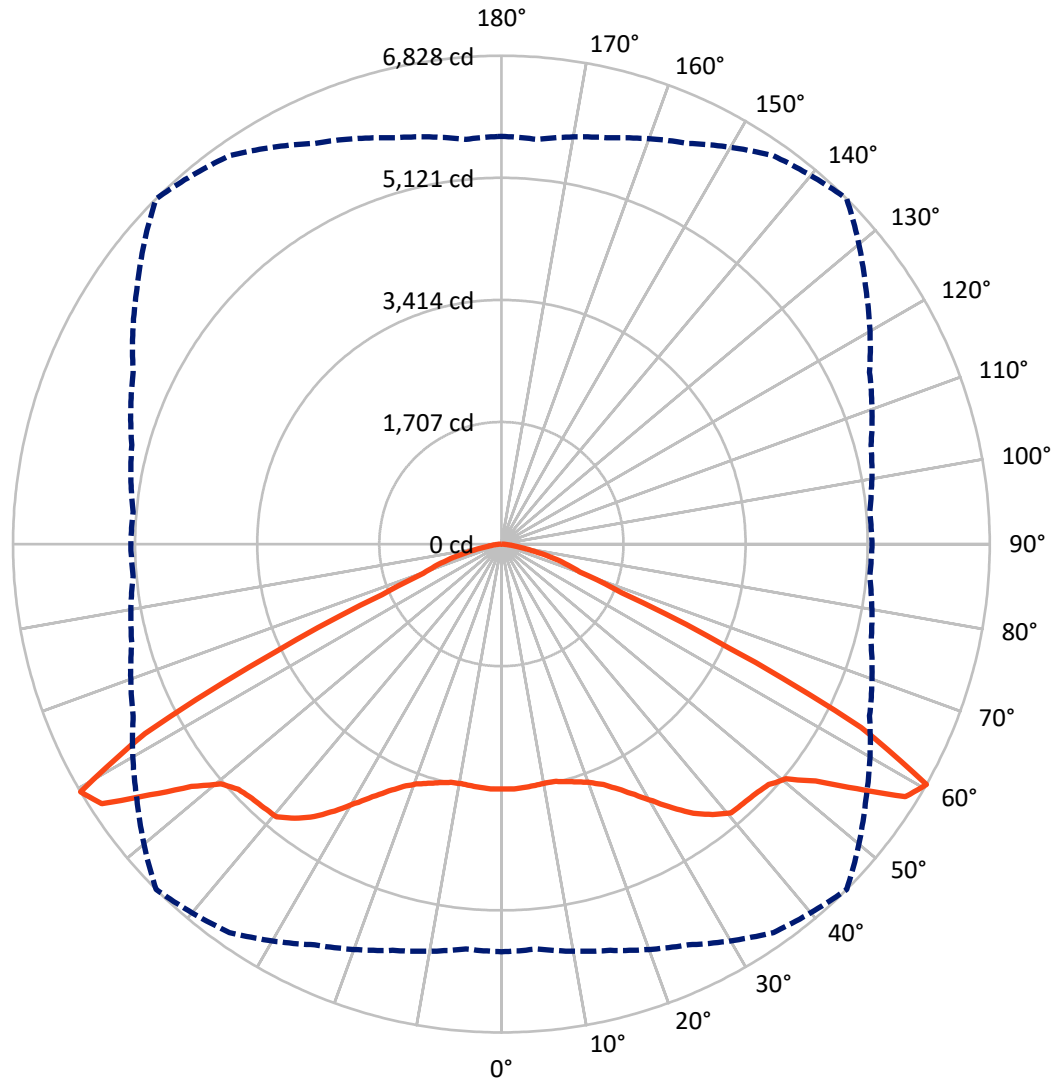
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	9369.0	0.0	9369.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9369.0	0.0	9369.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18738.1	0.0	18738.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.7	1.7
10°-20°	976.8	5.2
20°-30°	1728.1	9.2
30°-40°	2782.3	14.8
40°-50°	3824.2	20.4
50°-60°	5096.2	27.2
60°-70°	3176.2	17.0
70°-80°	730.4	3.9
80°-90°	99.1	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°	18738.1	100.0
0°-180°	18738.1	100.0

**Coefficient of Utilization**



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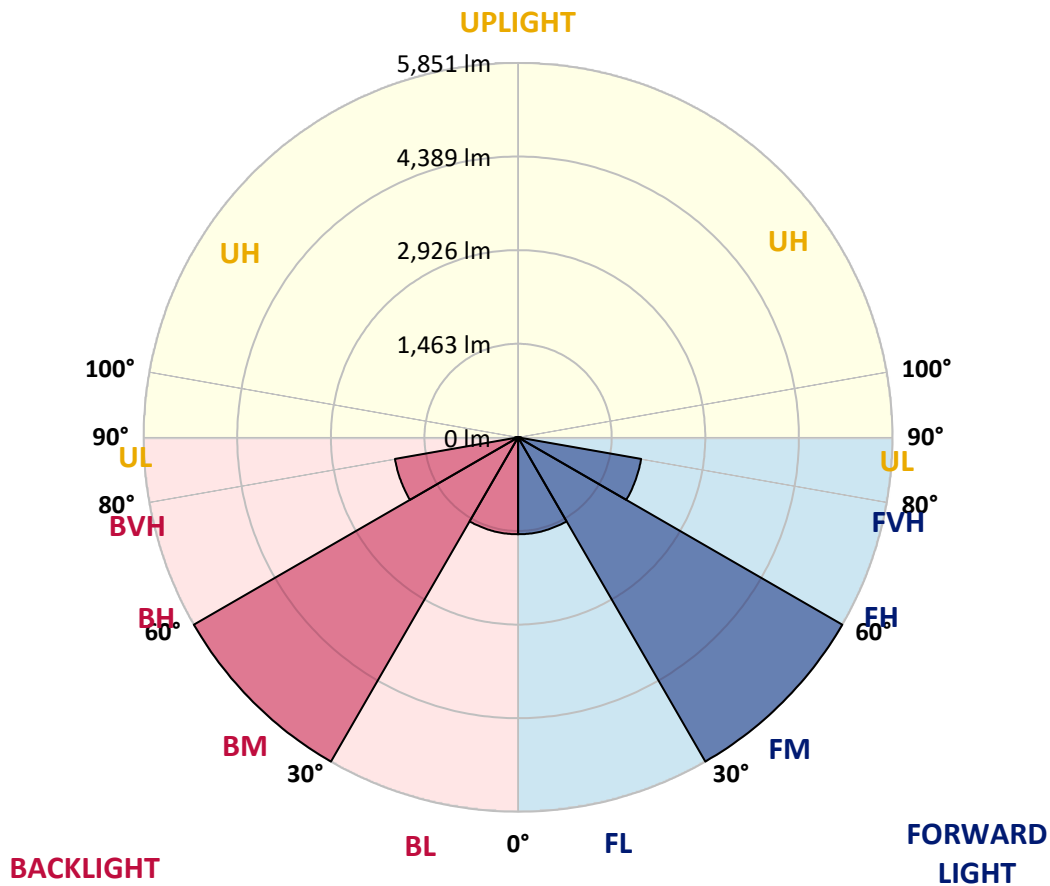
CATALOG NUMBER: GWS-SA3E-760-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1514.8	8.1			
FM (30°-60°)	5851.4	31.2			
FH (60°-80°)	1953.3	10.4			G2/5000
FVH (80°-90°)	49.5	0.3			G1/100
BL (0°-30°)	1514.8	8.1	B3/2500		
BM (30°-60°)	5851.4	31.2	B4/8500		
BH (60°-80°)	1953.3	10.4	B3/2500		G2/5000
BVH (80°-90°)	49.5	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°	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4	3424.4
2.5°	3400.5	3403.7	3410.0	3414.8	3421.2	3427.5	3430.7	3424.4	3421.2	3408.5	3422.8
5°	3403.7	3406.9	3411.6	3411.6	3413.2	3418.0	3418.0	3410.0	3402.1	3387.8	3403.7
7.5°	3398.9	3402.1	3403.7	3402.1	3403.7	3405.3	3402.1	3392.6	3384.6	3371.9	3384.6
10°	3391.0	3394.1	3397.3	3394.1	3391.0	3395.7	3395.7	3389.4	3384.6	3371.9	3386.2
12.5°	3408.5	3413.2	3414.8	3406.9	3403.7	3405.3	3405.3	3398.9	3398.9	3387.8	3403.7
15°	3449.8	3453.0	3448.2	3438.7	3440.3	3445.0	3433.9	3418.0	3414.8	3410.0	3422.8
17.5°	3481.6	3484.8	3480.0	3473.7	3484.8	3495.9	3475.3	3445.0	3435.5	3432.3	3446.6
20°	3516.6	3521.4	3515.0	3523.0	3545.2	3558.0	3532.5	3491.2	3472.1	3467.3	3484.8
22.5°	3573.9	3580.2	3580.2	3597.7	3631.1	3651.8	3620.0	3564.3	3535.7	3527.7	3545.2
25°	3664.5	3669.3	3674.1	3709.1	3763.1	3791.8	3740.9	3664.5	3624.8	3612.0	3621.6
27.5°	3790.2	3798.1	3806.1	3857.0	3923.8	3965.1	3892.0	3796.5	3747.2	3721.8	3740.9
30°	3939.7	3950.8	3969.9	4027.2	4121.0	4167.1	4073.3	3957.2	3901.5	3874.5	3899.9
32.5°	4143.3	4144.9	4159.2	4222.8	4346.9	4399.3	4281.6	4152.8	4095.6	4063.7	4078.1
35°	4385.0	4386.6	4364.4	4429.6	4563.2	4622.0	4483.6	4353.2	4305.5	4296.0	4332.5
37.5°	4633.1	4618.8	4596.6	4625.2	4760.4	4798.6	4652.2	4540.9	4520.2	4537.7	4591.8
40°	4809.7	4785.8	4741.3	4762.0	4898.8	4943.3	4787.4	4682.5	4676.1	4719.0	4784.2
42.5°	4924.2	4898.8	4846.3	4846.3	4940.1	4959.2	4838.3	4782.7	4797.0	4846.3	4908.3
45°	4979.9	4965.6	4935.3	4919.4	4971.9	4979.9	4887.6	4865.4	4892.4	4916.3	4964.0
47.5°	5022.8	5022.8	5013.3	4997.4	5021.2	5026.0	4957.6	4951.2	4986.2	4986.2	5018.0
50°	5099.2	5107.1	5119.8	5116.7	5142.1	5158.0	5107.1	5097.6	5111.9	5065.8	5081.7
52.5°	5299.6	5320.2	5356.8	5385.5	5450.7	5500.0	5409.3	5333.0	5258.2	5156.4	5159.6
55°	5659.0	5668.6	5740.1	5824.4	5934.2	6034.4	5848.3	5611.3	5449.1	5329.8	5331.4
57.5°	5962.8	5977.1	6082.1	6258.6	6505.2	6661.0	6249.1	5853.1	5624.0	5477.7	5482.5
60°	5700.4	5681.3	5880.1	6182.3	6629.2	6828.0	6220.5	5679.7	5350.5	5169.1	5181.9
62.5°	4410.5	4373.9	4595.0	4911.5	5447.5	5646.3	5086.4	4567.9	4256.2	4114.6	4094.0
65°	2684.8	2651.4	2810.4	3004.5	3367.1	3492.8	3236.7	2961.5	2689.5	2603.7	2579.8
67.5°	1461.7	1456.9	1499.8	1595.3	1754.3	1813.2	1763.9	1633.5	1563.5	1503.0	1503.0
70°	1159.5	1149.9	1142.0	1143.6	1157.9	1165.8	1167.4	1161.1	1169.0	1170.6	1164.3
72.5°	960.7	957.5	941.6	943.2	936.8	933.6	944.8	951.1	963.8	965.4	965.4
75°	696.6	688.7	696.6	698.2	691.9	691.9	699.8	698.2	704.6	707.8	690.3
77.5°	396.0	396.0	407.2	419.9	429.4	429.4	437.4	437.4	445.3	443.8	440.6
80°	217.9	217.9	224.3	232.2	241.8	251.3	259.3	260.8	265.6	264.0	259.3
82.5°	124.1	125.7	128.8	133.6	143.1	151.1	159.1	160.6	165.4	165.4	160.6
85°	58.8	57.3	58.8	62.0	66.8	73.2	81.1	85.9	89.1	89.1	85.9
87.5°	11.1	12.7	11.1	12.7	14.3	19.1	22.3	25.4	30.2	31.8	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)