

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: P638347

Luminaire Tested: GWS-SA4E-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P638347  
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-SA4E-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**

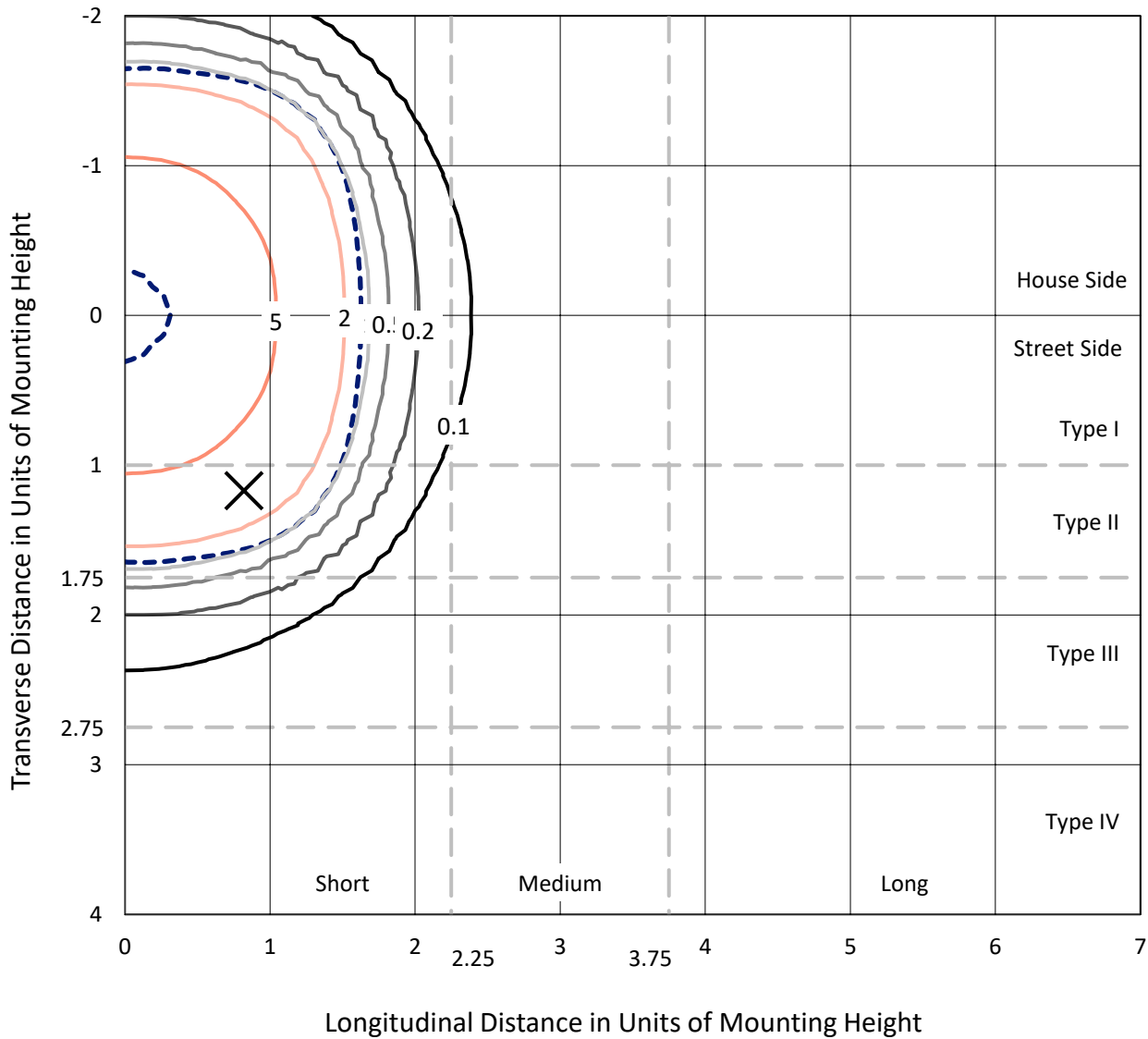
Lumens per Lamp: N/A  
Luminaire Lumens: 27989.8 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 202.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

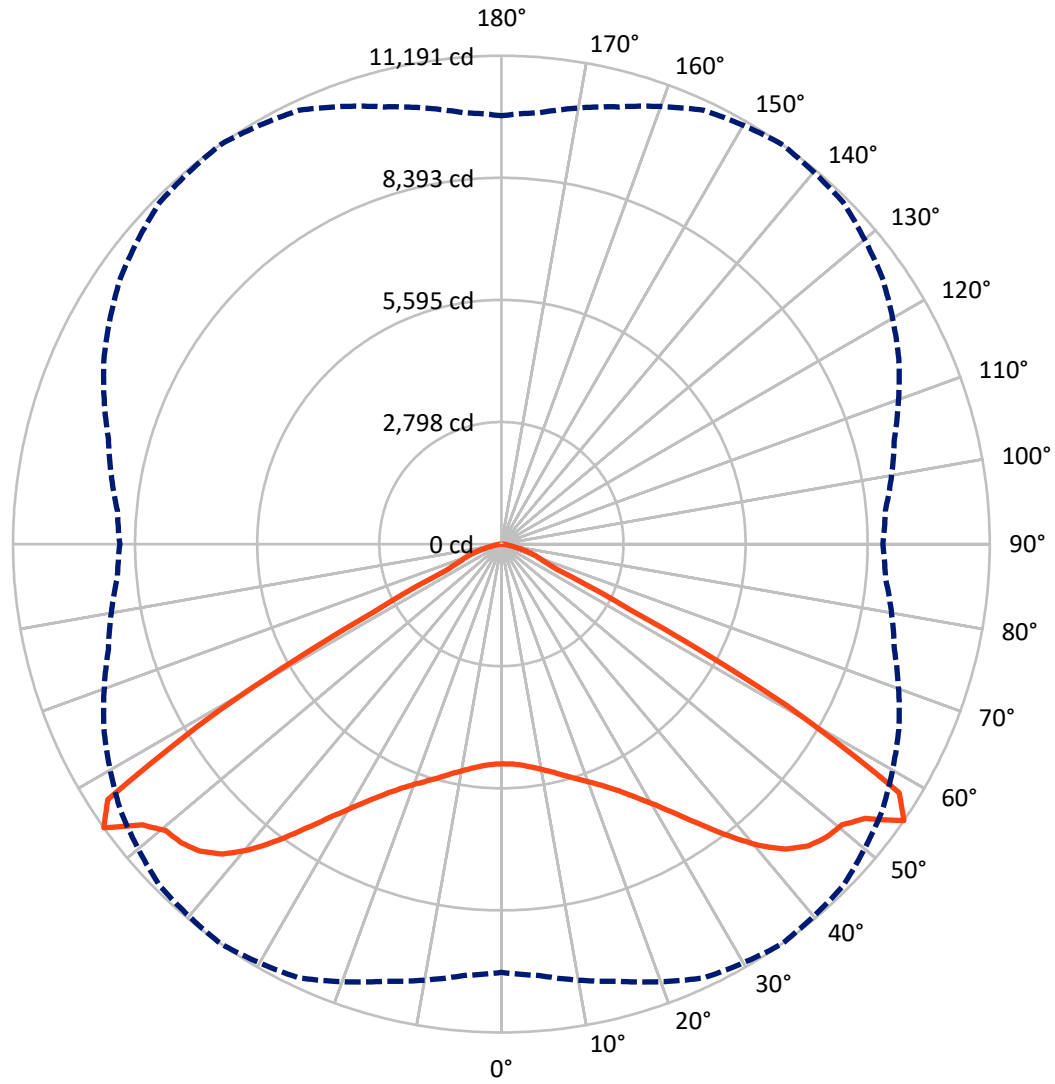
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	13994.9	0.0	13994.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13994.9	0.0	13994.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27989.8	0.0	27989.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	491.1	1.8
10°-20°	1563.7	5.6
20°-30°	2894.1	10.3
30°-40°	4841.2	17.3
40°-50°	7377.2	26.4
50°-60°	8264.0	29.5
60°-70°	1955.4	7.0
70°-80°	527.2	1.9
80°-90°	75.9	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°	27989.8	100.0
0°-180°	27989.8	100.0

**Coefficient of Utilization**



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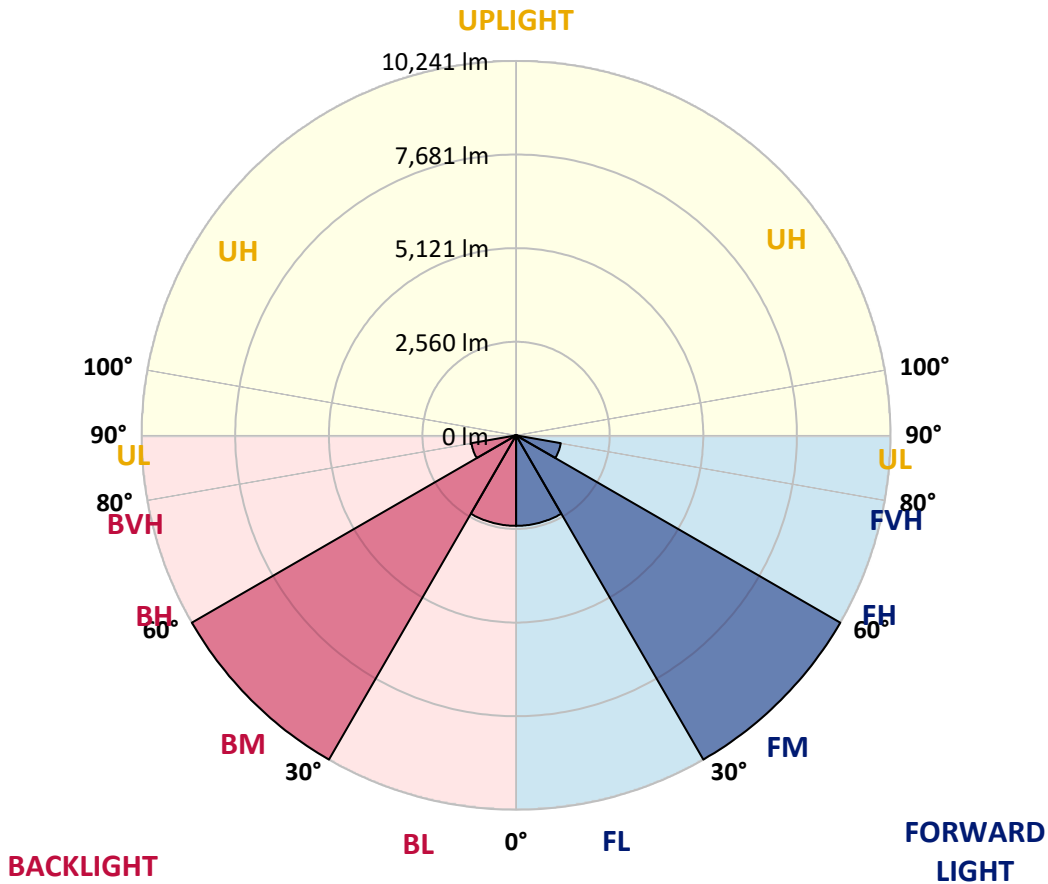
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2474.5	8.8			
FM (30°-60°)	10241.2	36.6			
FH (60°-80°)	1241.3	4.4			G1/1800
FVH (80°-90°)	37.9	0.1			G1/100
BL (0°-30°)	2474.5	8.8	B3/2500		
BM (30°-60°)	10241.2	36.6	B5		
BH (60°-80°)	1241.3	4.4	B3/2500		G1/1800
BVH (80°-90°)	37.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4	5035.4
2.5°	5024.4	5024.4	5033.2	5044.3	5046.5	5068.6	5064.2	5055.4	5050.9	5042.1	5062.0
5°	5079.7	5081.9	5088.6	5095.2	5090.8	5108.5	5101.8	5090.8	5084.1	5073.1	5093.0
7.5°	5152.7	5152.7	5159.4	5168.2	5163.8	5190.4	5177.1	5161.6	5150.5	5137.3	5155.0
10°	5219.2	5223.6	5230.2	5247.9	5256.8	5285.6	5276.7	5254.6	5236.9	5221.4	5241.3
12.5°	5318.8	5323.2	5329.8	5354.2	5369.7	5398.4	5385.2	5354.2	5327.6	5305.5	5327.6
15°	5447.1	5442.7	5460.4	5491.4	5511.3	5537.9	5522.4	5469.3	5433.8	5405.1	5427.2
17.5°	5577.7	5575.5	5593.2	5633.1	5661.8	5697.2	5670.7	5608.7	5571.1	5535.7	5557.8
20°	5719.4	5726.0	5743.7	5781.3	5823.4	5869.9	5847.8	5781.3	5739.3	5699.5	5717.2
22.5°	5894.2	5896.4	5916.4	5965.1	6020.4	6064.7	6051.4	5969.5	5916.4	5874.3	5896.4
25°	6104.5	6102.3	6128.9	6186.4	6263.9	6308.1	6279.4	6188.6	6131.1	6082.4	6100.1
27.5°	6345.8	6343.5	6383.4	6458.6	6569.3	6631.3	6571.5	6458.6	6379.0	6310.3	6325.8
30°	6649.0	6642.4	6686.6	6788.4	6932.3	7036.3	6947.8	6790.7	6686.6	6613.6	6629.1
32.5°	6985.4	6994.3	7049.6	7186.8	7368.3	7503.4	7370.6	7195.7	7056.3	6950.0	6967.7
35°	7355.1	7355.1	7467.9	7638.4	7897.3	8076.6	7870.8	7618.5	7432.5	7286.4	7290.9
37.5°	7766.8	7771.2	7919.5	8154.1	8492.7	8703.0	8424.1	8112.0	7886.3	7729.1	7720.3
40°	8269.2	8282.5	8435.2	8696.4	9077.1	9269.6	8970.8	8665.4	8435.2	8249.3	8231.6
42.5°	8835.8	8840.2	9001.8	9236.4	9557.4	9672.5	9437.9	9187.7	8999.6	8831.4	8813.7
45°	9375.9	9364.8	9504.3	9679.1	9865.0	9876.1	9745.5	9643.7	9479.9	9336.0	9309.5
47.5°	9796.4	9787.6	9913.7	10008.9	10031.0	9922.6	9964.6	9980.1	9789.8	9595.0	9544.1
50°	10053.2	10070.9	10190.4	10243.5	10112.9	9935.9	10095.2	10055.4	9783.1	9528.6	9446.7
52.5°	10208.1	10234.7	10442.7	10577.7	10442.7	10274.5	10296.6	10062.0	9670.3	9333.8	9227.6
55°	9816.3	9922.6	10371.9	10969.5	11190.9	11073.5	10653.0	10048.7	9322.8	8833.6	8742.9
57.5°	7275.4	7443.6	8109.8	9404.7	10750.4	11177.6	9949.1	8424.1	7324.1	6695.5	6642.4
60°	3714.1	3902.2	4435.6	5765.9	7496.7	8098.8	6930.1	5394.0	4287.3	3778.2	3720.7
62.5°	1516.2	1547.2	1722.0	2235.5	3313.4	3822.5	3357.7	2357.3	1770.7	1631.3	1633.5
65°	1193.0	1199.7	1190.8	1221.8	1387.8	1540.5	1423.2	1250.6	1219.6	1235.1	1224.0
67.5°	1040.3	1042.5	1035.9	1035.9	1042.5	1035.9	1049.1	1055.8	1060.2	1077.9	1066.8
70°	869.9	872.1	872.1	876.5	874.3	863.2	883.1	892.0	894.2	905.3	898.6
72.5°	672.9	679.5	683.9	686.1	683.9	677.3	688.4	703.9	701.6	712.7	701.6
75°	456.0	464.8	469.2	478.1	475.9	475.9	489.2	495.8	489.2	498.0	489.2
77.5°	259.0	265.6	278.9	287.7	296.6	303.2	312.1	316.5	314.3	318.7	314.3
80°	150.5	152.7	163.8	168.2	179.3	190.4	199.2	203.6	205.8	208.1	205.8
82.5°	86.3	88.5	93.0	97.4	106.2	115.1	123.9	130.6	130.6	132.8	130.6
85°	42.1	42.1	44.3	46.5	50.9	57.5	64.2	70.8	73.0	73.0	73.0
87.5°	6.6	6.6	8.9	8.9	11.1	13.3	17.7	22.1	24.3	24.3	24.3
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)