

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: P635876

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

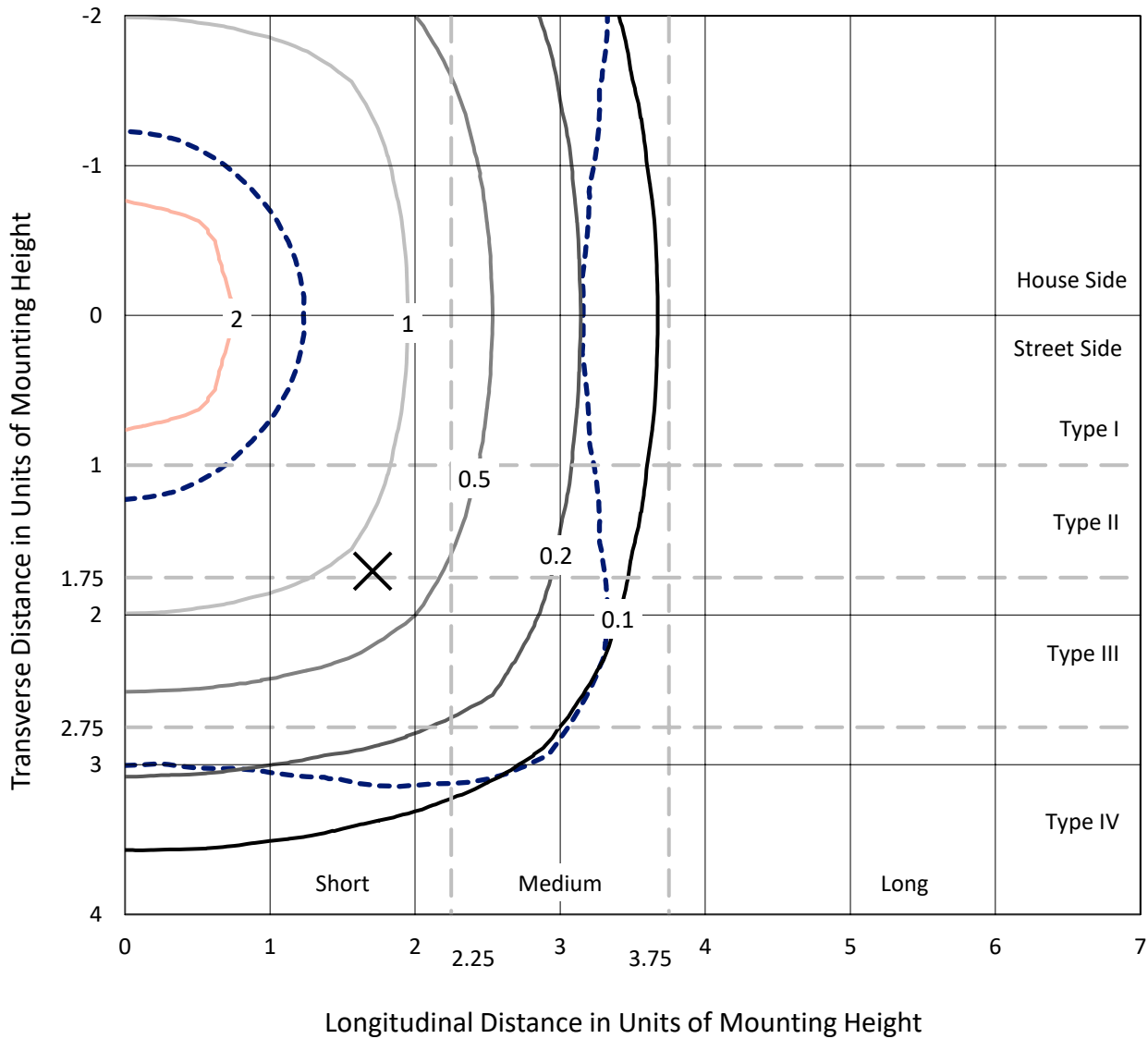
Lumens per Lamp: N/A  
Luminaire Lumens: 22493.3 lumens  
Efficiency: N/A  
Efficacy: 141.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

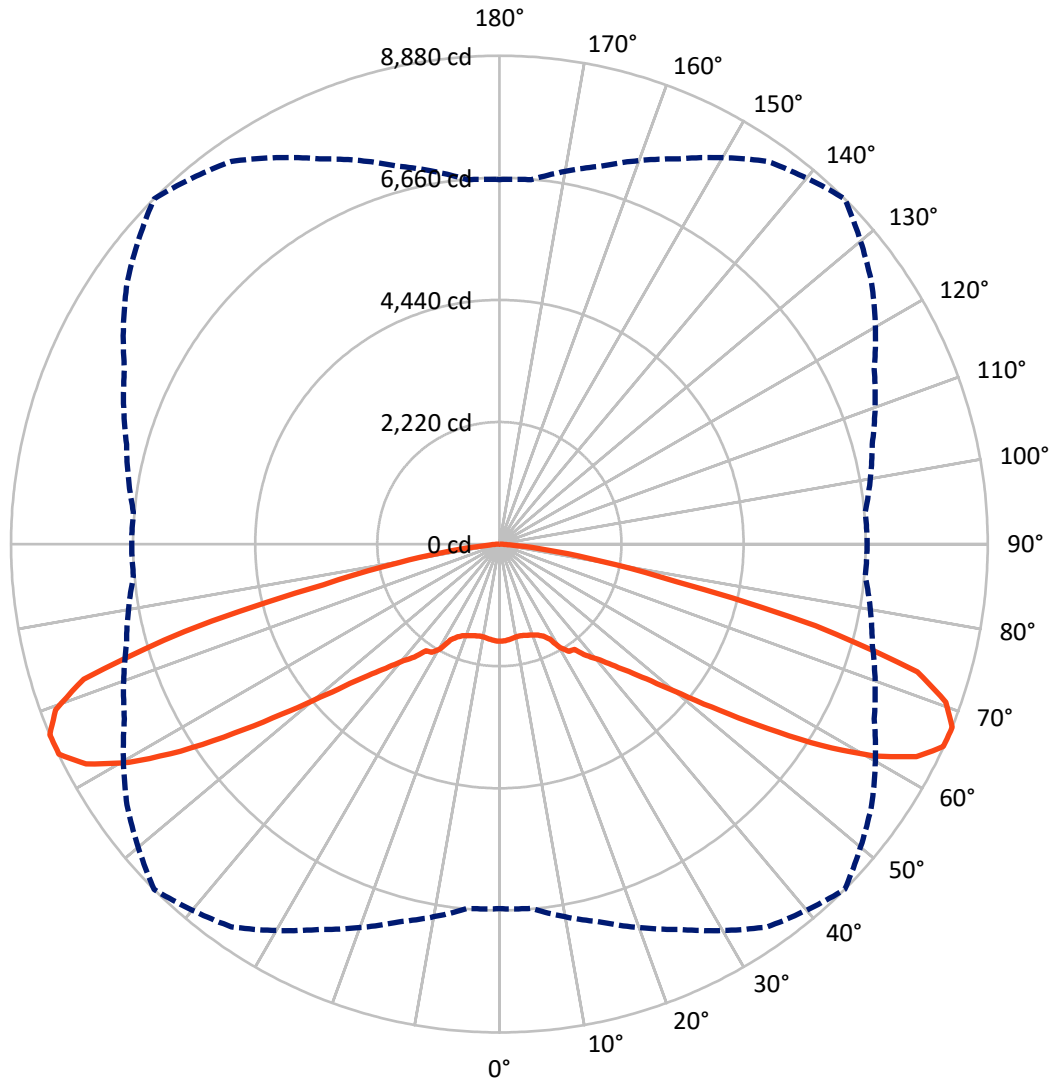
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11246.6	0.0	11246.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11246.6	0.0	11246.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22493.3	0.0	22493.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.6	0.7
10°-20°	491.5	2.2
20°-30°	881.7	3.9
30°-40°	1489.4	6.6
40°-50°	2616.8	11.6
50°-60°	5048.0	22.4
60°-70°	7323.9	32.6
70°-80°	4190.4	18.6
80°-90°	286.0	1.3
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°	22493.3	100.0
0°-180°	22493.3	100.0

**Coefficient of Utilization**



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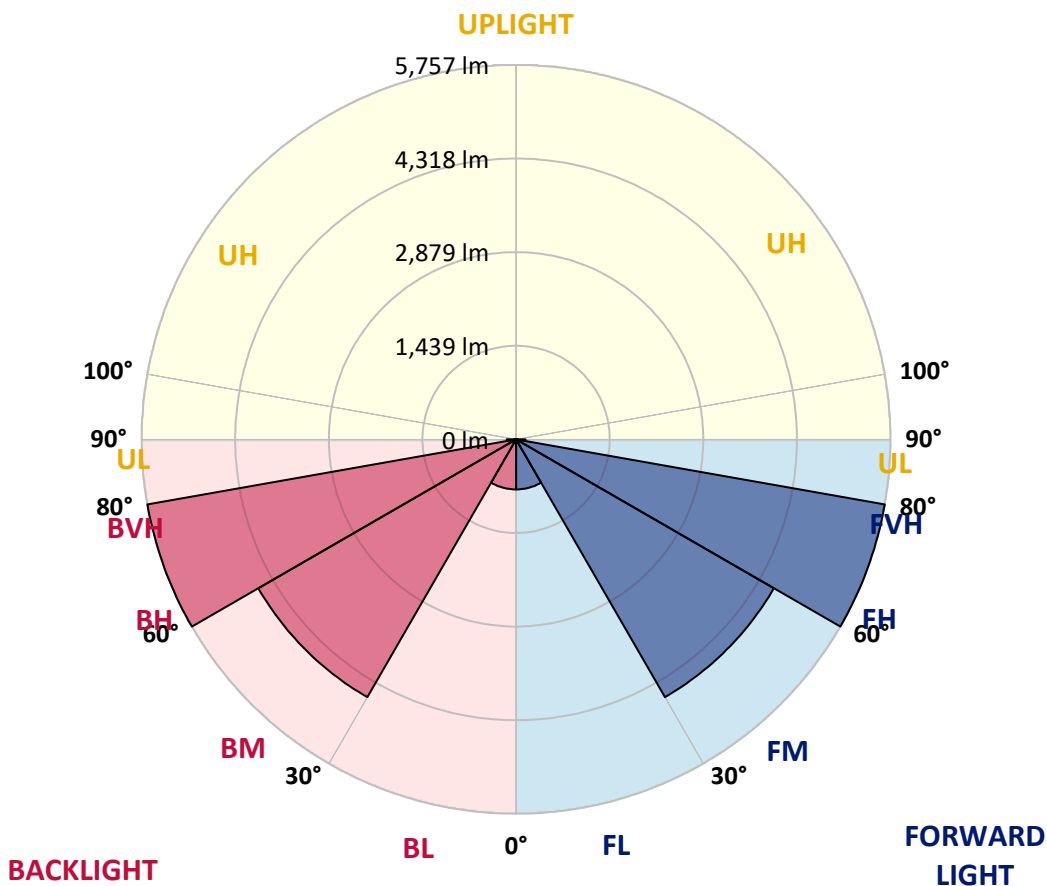
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	769.4	3.4			
FM (30°-60°)	4577.1	20.3			
FH (60°-80°)	5757.2	25.6			G3/7500
FVH (80°-90°)	143.0	0.6			G2/225
BL (0°-30°)	769.4	3.4	B2/1000		
BM (30°-60°)	4577.1	20.3	B3/5000		
BH (60°-80°)	5757.2	25.6	B5		G3/7500
BVH (80°-90°)	143.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1749.6	1751.2	1754.4	1754.4	1757.6	1762.3	1763.9	1760.8	1762.3	1754.4	1762.3
5°	1744.8	1746.4	1748.0	1744.8	1744.8	1746.4	1746.4	1743.3	1744.8	1736.9	1744.8
7.5°	1733.7	1735.3	1735.3	1730.5	1725.8	1728.9	1728.9	1725.8	1727.4	1719.4	1728.9
10°	1724.2	1724.2	1722.6	1713.0	1708.3	1713.0	1714.6	1716.2	1722.6	1716.2	1727.4
12.5°	1730.5	1730.5	1725.8	1713.0	1705.1	1708.3	1711.4	1714.6	1725.8	1724.2	1736.9
15°	1748.0	1749.6	1736.9	1722.6	1717.8	1722.6	1719.4	1717.8	1732.1	1736.9	1751.2
17.5°	1762.3	1762.3	1746.4	1732.1	1733.7	1741.7	1735.3	1727.4	1741.7	1751.2	1767.1
20°	1775.1	1773.5	1756.0	1746.4	1752.8	1763.9	1759.2	1748.0	1757.6	1768.7	1783.0
22.5°	1806.9	1805.3	1786.2	1781.4	1787.8	1798.9	1794.2	1784.6	1795.7	1811.7	1829.1
25°	1897.5	1894.4	1865.7	1849.8	1846.6	1854.6	1853.0	1849.8	1867.3	1886.4	1907.1
27.5°	2018.4	2016.8	1996.2	1980.3	1959.6	1953.2	1958.0	1972.3	1997.7	2012.1	2029.6
30°	2078.9	2078.9	2075.7	2101.1	2145.7	2188.6	2155.2	2101.1	2078.9	2072.5	2090.0
32.5°	2158.4	2166.3	2155.2	2183.8	2258.6	2322.2	2258.6	2171.1	2155.2	2155.2	2174.3
35°	2341.3	2344.5	2327.0	2322.2	2346.1	2354.0	2323.8	2292.0	2309.5	2312.7	2336.5
37.5°	2487.6	2487.6	2479.7	2492.4	2541.7	2571.9	2522.6	2465.4	2470.1	2473.3	2503.5
40°	2713.5	2719.9	2700.8	2699.2	2718.3	2745.3	2692.8	2656.2	2681.7	2689.6	2735.8
42.5°	2995.0	2995.0	2966.4	2958.4	2971.2	2999.8	2950.5	2926.6	2960.0	2966.4	2993.4
45°	3330.6	3338.6	3300.4	3286.1	3292.5	3302.0	3267.0	3255.9	3287.7	3302.0	3349.7
47.5°	3739.4	3747.4	3714.0	3712.4	3706.0	3712.4	3679.0	3672.6	3698.1	3686.9	3737.8
50°	4243.6	4257.9	4229.3	4269.1	4264.3	4283.4	4237.3	4203.9	4203.9	4173.6	4202.3
52.5°	4808.3	4836.9	4851.2	4918.0	4968.9	5016.6	4940.3	4887.8	4811.5	4749.4	4827.4
55°	5423.8	5415.9	5506.5	5652.9	5802.4	5915.3	5765.8	5600.4	5476.3	5347.5	5377.7
57.5°	5963.0	5990.1	6109.4	6376.6	6672.4	6911.0	6642.2	6324.1	6042.5	5858.0	5883.5
60°	6411.6	6433.8	6592.9	6977.8	7494.7	7824.0	7397.7	6872.8	6464.0	6209.6	6236.6
62.5°	6825.1	6845.8	7006.4	7431.1	8083.2	8512.7	7962.4	7245.0	6790.1	6534.0	6549.9
65°	7063.7	7076.4	7295.9	7742.9	8430.0	8873.7	8253.4	7513.8	7066.9	6806.0	6815.6
67.5°	6629.5	6650.1	7113.0	7730.1	8496.8	8880.1	8266.2	7521.8	7019.2	6678.8	6686.7
70°	5229.8	5212.3	5764.2	6825.1	8113.5	8612.9	7898.7	6957.1	6180.9	5705.3	5697.4
72.5°	3987.5	3992.3	4299.3	5026.2	6615.1	7948.0	6969.8	5602.0	4765.3	4404.3	4390.0
75°	2891.6	2936.2	3185.9	3718.7	4626.9	5940.8	5247.3	4151.4	3591.5	3375.2	3343.4
77.5°	1302.7	1359.9	1708.3	2334.9	3093.6	3282.9	3295.6	2818.5	2126.6	1767.1	1711.4
80°	380.1	407.2	523.3	895.5	1441.0	1862.5	1479.2	1243.8	774.6	607.6	579.0
82.5°	160.6	182.9	224.3	248.1	418.3	863.7	537.6	342.0	318.1	257.7	235.4
85°	68.4	73.2	93.8	100.2	135.2	184.5	170.2	154.3	147.9	114.5	105.0
87.5°	28.6	28.6	28.6	25.4	23.9	25.4	35.0	44.5	58.9	46.1	42.9
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)