

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: P636204

Luminaire Tested: GWS-SA3F-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12690.9 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 183.2  
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

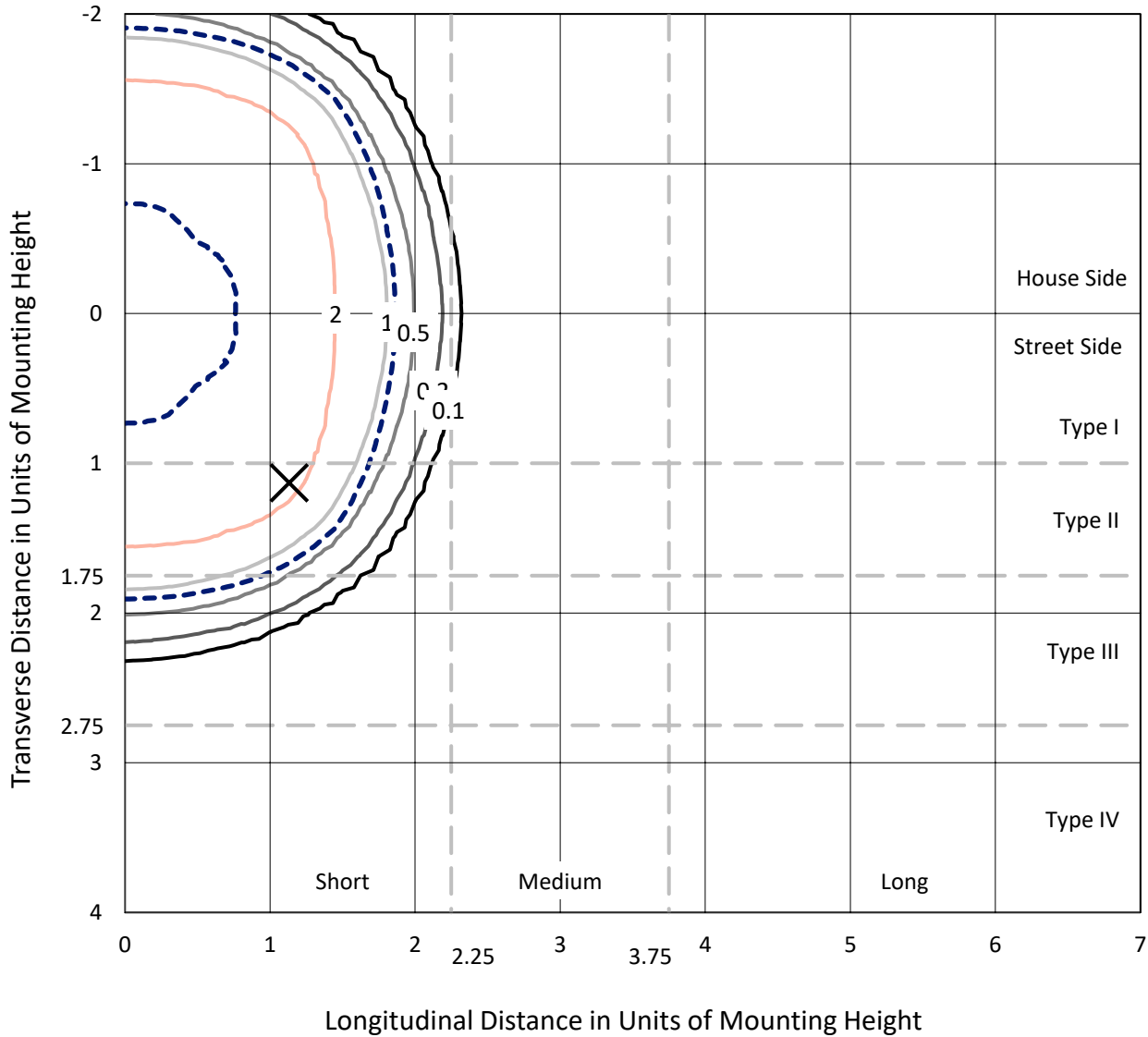


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### Iso-Footcandle Lines of Horizontal Illumination

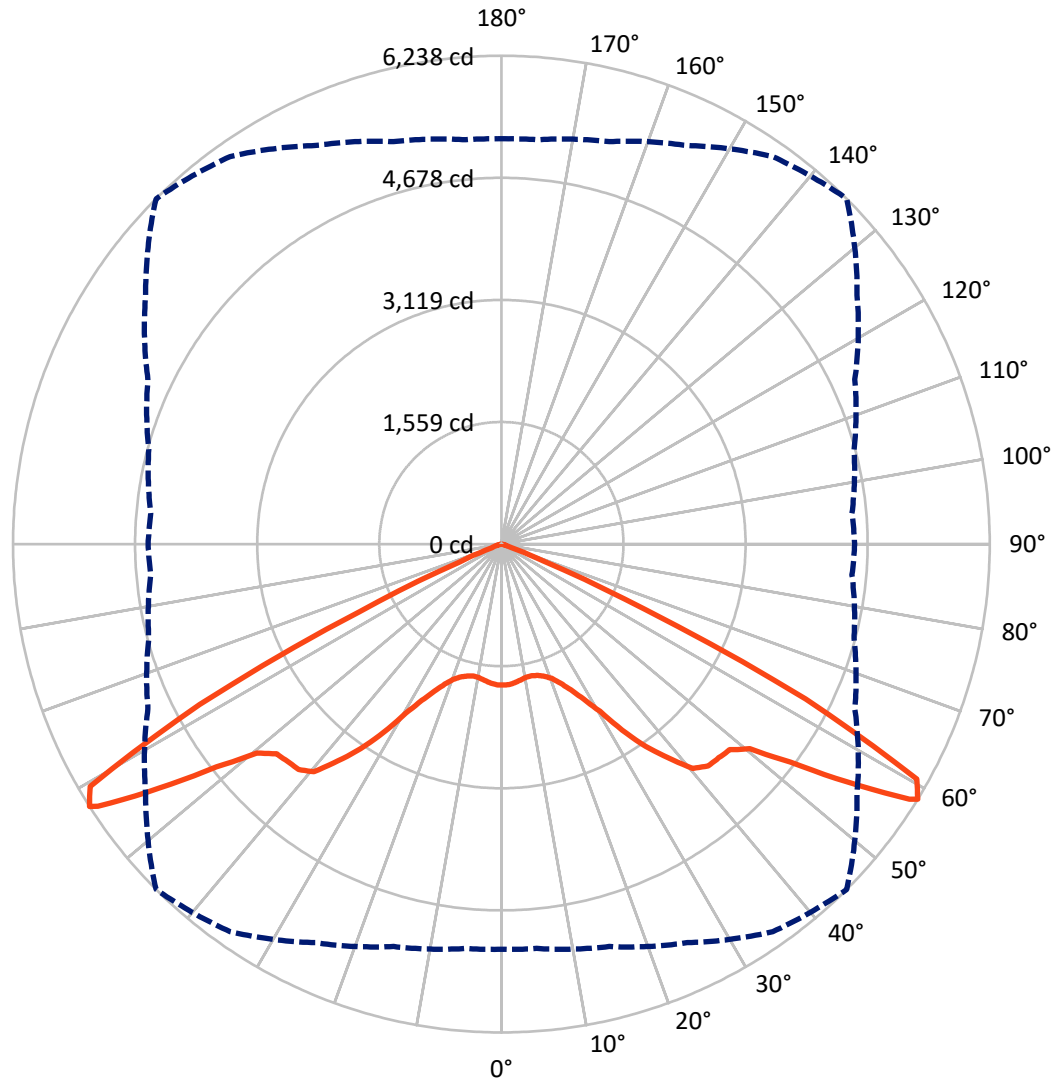
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6345.4	0.0	6345.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6345.4	0.0	6345.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12690.9	0.0	12690.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.9	1.3
10°-20°	496.9	3.9
20°-30°	939.7	7.4
30°-40°	1853.3	14.6
40°-50°	2932.8	23.1
50°-60°	4311.1	34.0
60°-70°	1924.3	15.2
70°-80°	64.5	0.5
80°-90°	0.5	0.0
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°	12690.9	100.0
0°-180°	12690.9	100.0

**Coefficient of Utilization**



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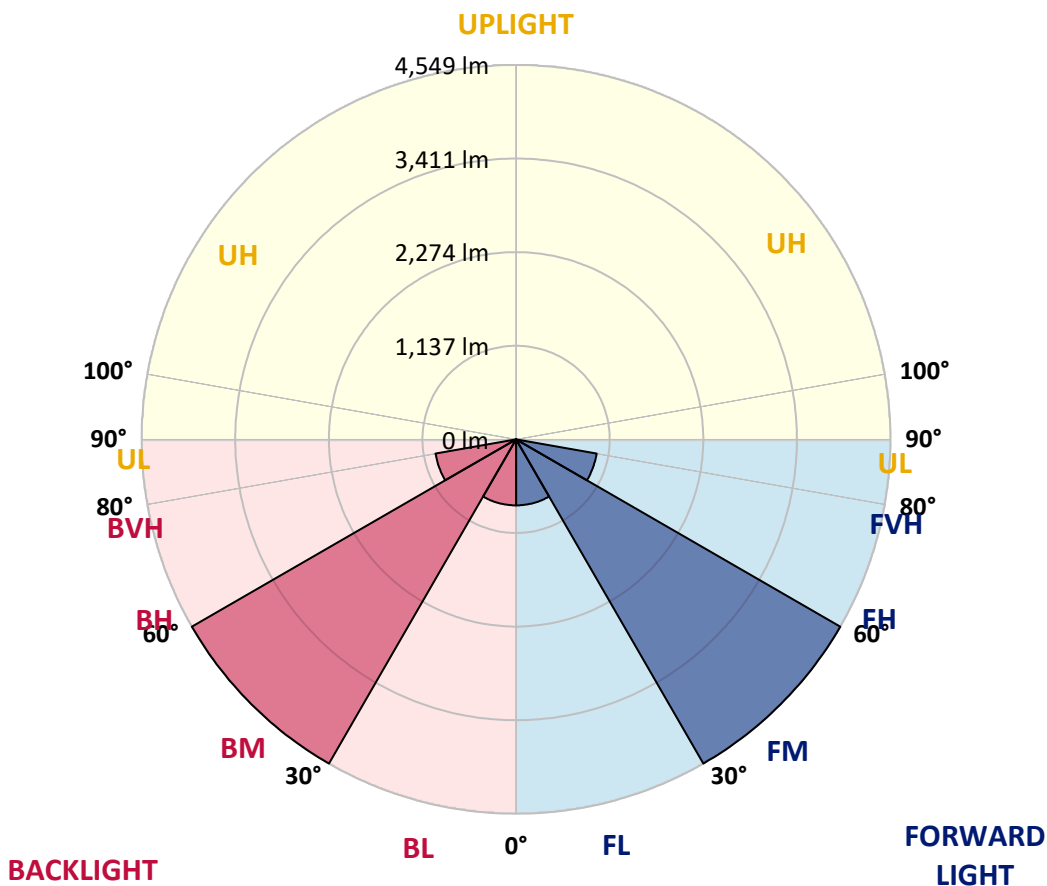
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.2	6.3			
FM (30°-60°)	4548.6	35.8			
FH (60°-80°)	994.4	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	802.2	6.3	B2/1000		
BM (30°-60°)	4548.6	35.8	B3/5000		
BH (60°-80°)	994.4	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7
2.5°	1782.5	1785.9	1789.4	1791.1	1792.8	1798.0	1799.7	1794.6	1794.6	1784.2	1796.3
5°	1773.8	1777.3	1780.7	1779.0	1779.0	1779.0	1777.3	1770.3	1768.6	1758.2	1770.3
7.5°	1758.2	1761.7	1761.7	1756.5	1753.1	1753.1	1751.3	1742.7	1741.0	1730.6	1742.7
10°	1746.1	1747.9	1746.1	1735.8	1728.9	1728.9	1727.1	1723.7	1725.4	1718.5	1728.9
12.5°	1753.1	1754.8	1747.9	1734.0	1725.4	1723.7	1718.5	1713.3	1718.5	1716.8	1727.1
15°	1775.5	1777.3	1765.2	1747.9	1741.0	1741.0	1727.1	1713.3	1720.2	1721.9	1734.0
17.5°	1803.2	1803.2	1787.6	1772.1	1773.8	1773.8	1751.3	1727.1	1728.9	1735.8	1747.9
20°	1836.0	1836.0	1820.5	1817.0	1829.1	1830.9	1803.2	1765.2	1756.5	1761.7	1775.5
22.5°	1894.8	1894.8	1882.7	1891.4	1919.0	1927.7	1886.2	1832.6	1811.8	1815.3	1829.1
25°	1986.5	1986.5	1983.0	2003.7	2043.5	2062.5	2007.2	1936.3	1901.7	1896.6	1912.1
27.5°	2140.3	2142.1	2136.9	2168.0	2218.1	2240.6	2164.5	2071.2	2029.7	2021.0	2036.6
30°	2339.1	2339.1	2340.9	2384.1	2449.8	2479.2	2378.9	2270.0	2221.6	2193.9	2214.7
32.5°	2560.4	2563.9	2581.2	2653.8	2769.6	2830.1	2683.2	2531.0	2453.2	2423.9	2446.3
35°	2925.2	2892.4	2871.6	2925.2	3092.9	3172.4	2984.0	2805.9	2747.2	2743.7	2800.7
37.5°	3286.6	3267.5	3224.3	3279.6	3430.0	3466.4	3258.9	3110.2	3068.7	3091.2	3148.2
40°	3573.5	3539.0	3481.9	3533.8	3730.9	3767.2	3511.3	3364.4	3348.8	3398.9	3476.7
42.5°	3800.0	3751.6	3675.5	3687.6	3846.7	3872.6	3646.2	3535.5	3545.9	3608.1	3696.3
45°	3902.0	3864.0	3796.6	3791.4	3891.7	3893.4	3715.3	3658.3	3685.9	3734.3	3803.5
47.5°	3945.2	3928.0	3889.9	3881.3	3938.3	3924.5	3813.9	3789.7	3815.6	3829.4	3869.2
50°	4052.4	4052.4	4057.6	4064.5	4123.3	4109.5	4031.7	4004.0	3971.2	3922.8	3934.9
52.5°	4353.3	4365.4	4415.5	4470.8	4578.0	4623.0	4496.8	4336.0	4178.6	4073.2	4073.2
55°	4896.1	4908.2	4967.0	5060.4	5257.4	5364.6	5070.7	4716.3	4500.2	4356.7	4375.7
57.5°	5195.2	5209.0	5330.1	5582.5	5964.6	6146.1	5515.0	4989.5	4686.9	4522.7	4536.5
58°	5176.2	5184.8	5321.4	5617.1	6042.4	6237.7	5546.2	4980.8	4662.7	4495.0	4512.3
60°	4598.8	4586.7	4804.5	5226.3	5826.2	6095.9	5236.7	4546.9	4176.9	4005.8	4014.4
62.5°	3006.5	3013.4	3201.8	3642.7	4109.5	4363.6	3658.3	3144.8	2847.4	2743.7	2717.8
65°	1255.1	1232.7	1348.5	1594.0	1874.1	2015.8	1732.3	1466.1	1282.8	1213.7	1232.7
67.5°	323.3	314.7	321.6	402.8	492.7	582.6	489.3	373.4	325.0	328.5	328.5
70°	183.3	172.9	140.0	129.7	126.2	126.2	126.2	126.2	145.2	171.2	176.3
72.5°	138.3	129.7	102.0	88.2	77.8	72.6	76.1	88.2	105.5	127.9	131.4
75°	69.2	69.2	62.2	58.8	51.9	48.4	50.1	55.3	64.0	72.6	70.9
77.5°	13.8	15.6	17.3	20.7	17.3	17.3	17.3	20.7	20.7	22.5	20.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)