

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: P635819

Luminaire Tested: GWS-SA3E-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635819  
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11838.4 lumens  
Efficiency: N/A  
Efficacy: 74.4 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): 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

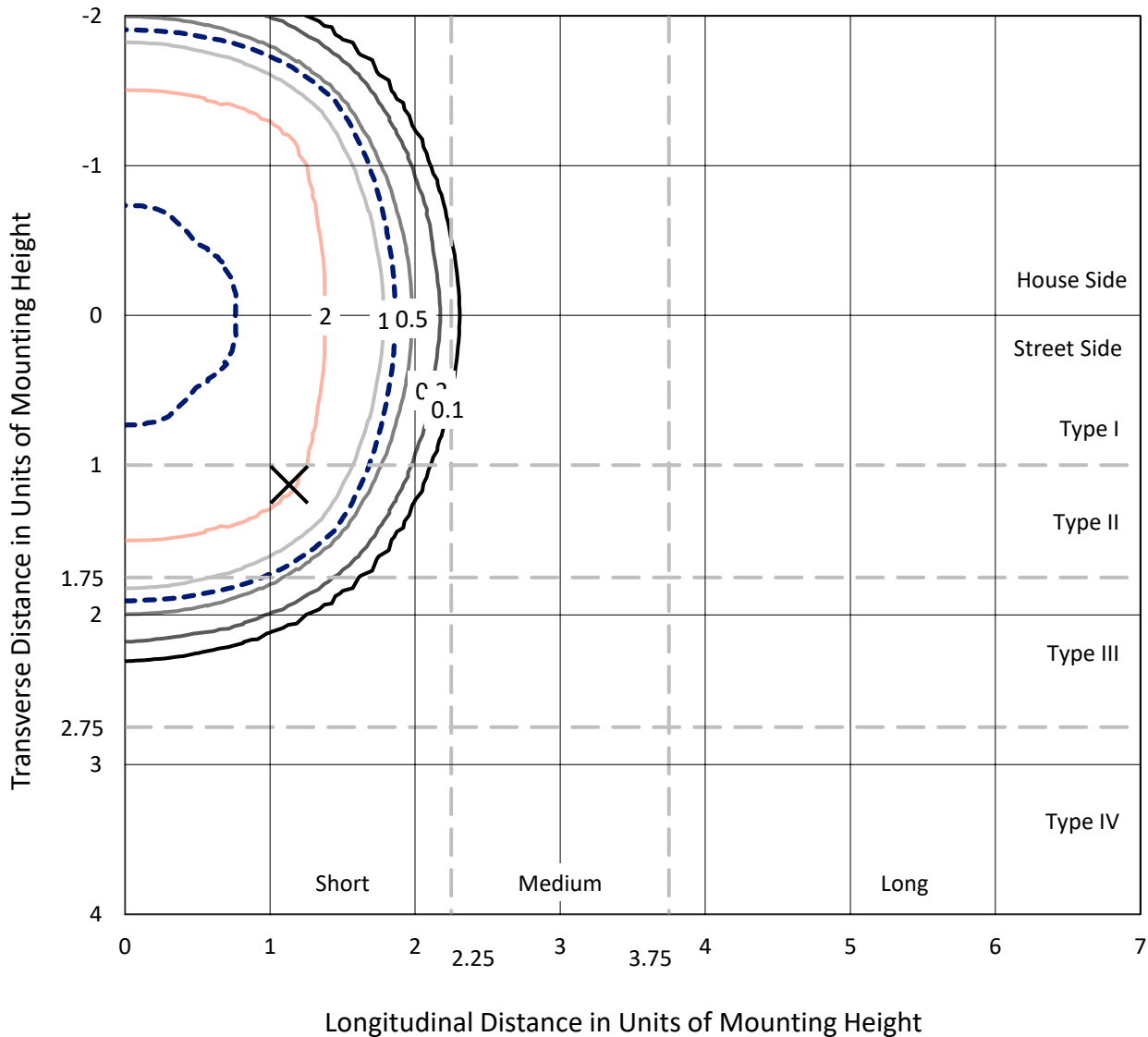


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### Iso-Footcandle Lines of Horizontal Illumination

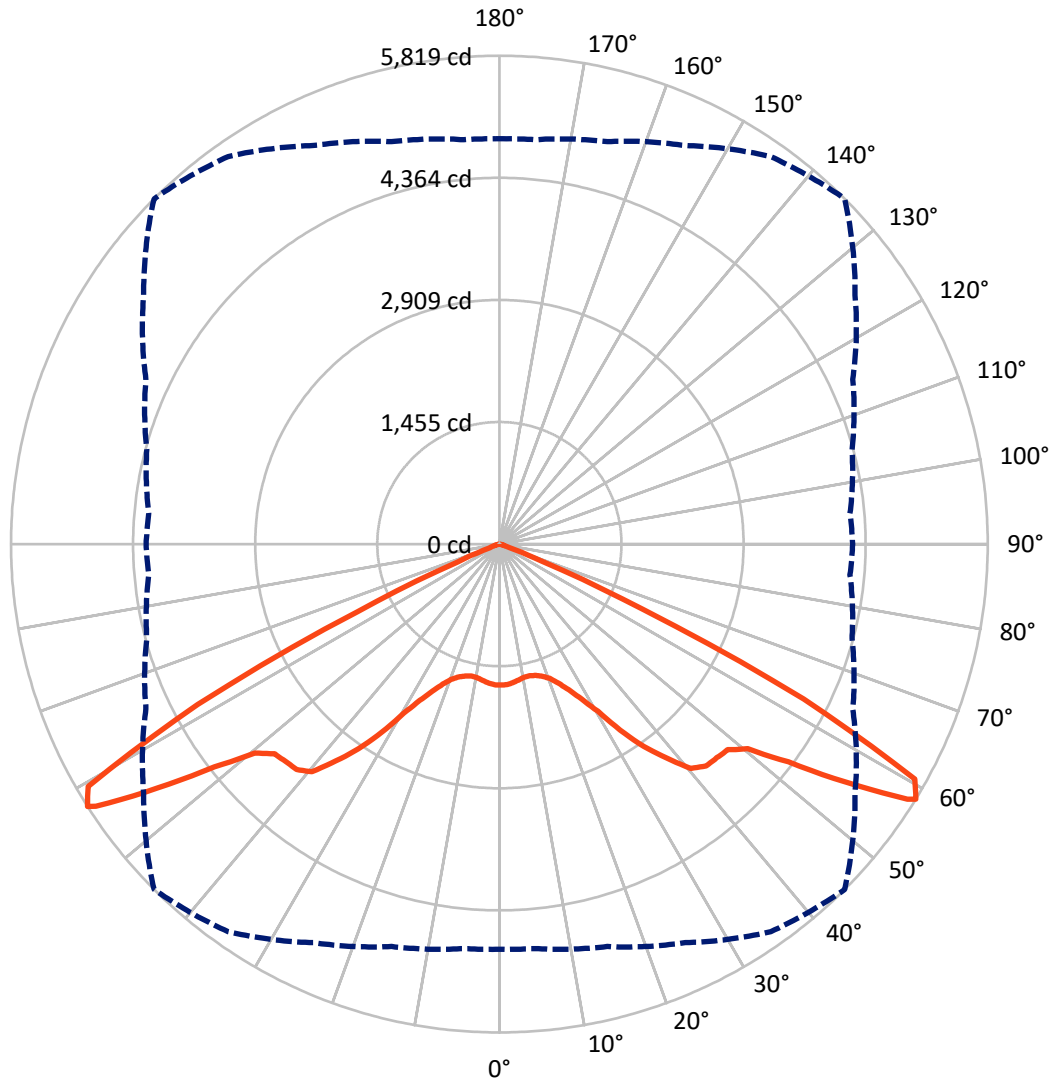
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	5919.2	0.0	5919.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5919.2	0.0	5919.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11838.4	0.0	11838.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.6	1.3
10°-20°	463.5	3.9
20°-30°	876.6	7.4
30°-40°	1728.8	14.6
40°-50°	2735.8	23.1
50°-60°	4021.5	34.0
60°-70°	1795.0	15.2
70°-80°	60.1	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°	11838.4	100.0
0°-180°	11838.4	100.0

**Coefficient of Utilization**



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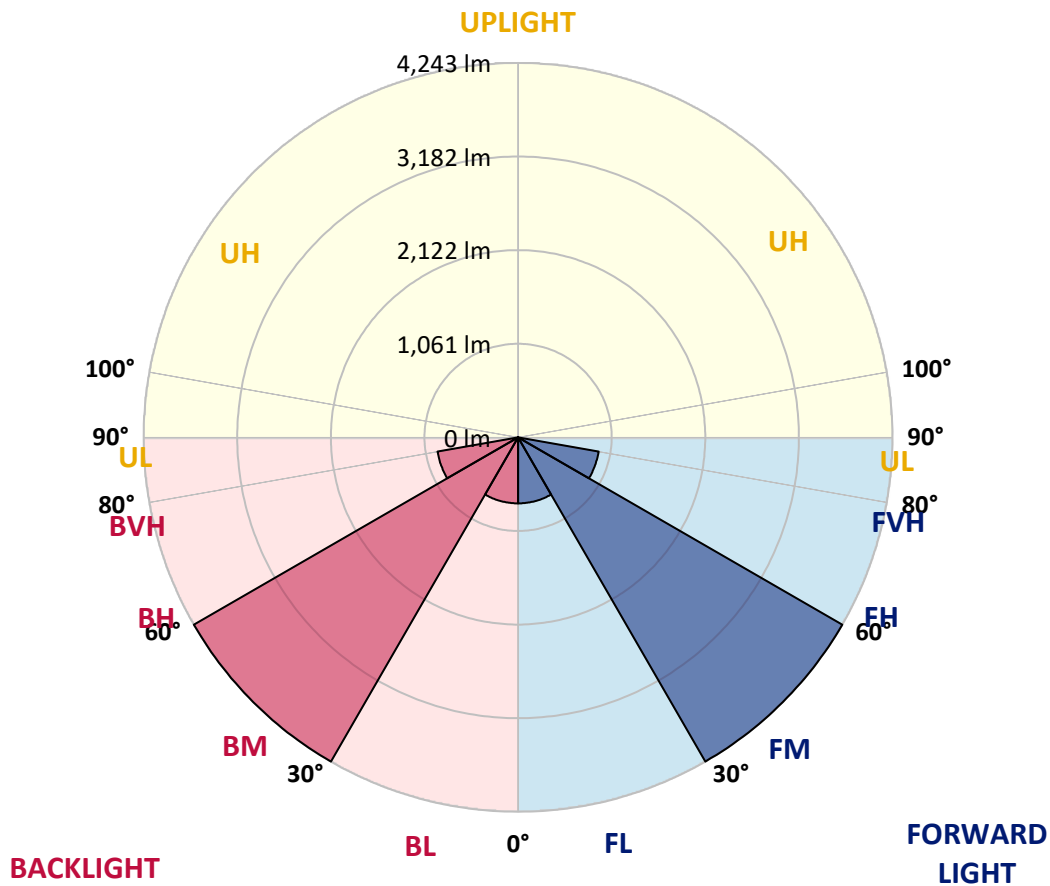
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.3	6.3			
FM (30°-60°)	4243.0	35.8			
FH (60°-80°)	927.6	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	748.3	6.3	B2/1000		
BM (30°-60°)	4243.0	35.8	B3/5000		
BH (60°-80°)	927.6	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	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°	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8	1678.8
2.5°	1662.7	1665.9	1669.2	1670.8	1672.4	1677.2	1678.8	1674.0	1674.0	1664.3	1675.6
5°	1654.7	1657.9	1661.1	1659.5	1659.5	1659.5	1657.9	1651.4	1649.8	1640.1	1651.4
7.5°	1640.1	1643.4	1643.4	1638.5	1635.3	1635.3	1633.7	1625.6	1624.0	1614.3	1625.6
10°	1628.8	1630.5	1628.8	1619.2	1612.7	1612.7	1611.1	1607.9	1609.5	1603.0	1612.7
12.5°	1635.3	1636.9	1630.5	1617.6	1609.5	1607.9	1603.0	1598.2	1603.0	1601.4	1611.1
15°	1656.3	1657.9	1646.6	1630.5	1624.0	1624.0	1611.1	1598.2	1604.7	1606.3	1617.6
17.5°	1682.1	1682.1	1667.6	1653.0	1654.7	1654.7	1633.7	1611.1	1612.7	1619.2	1630.5
20°	1712.7	1712.7	1698.2	1695.0	1706.3	1707.9	1682.1	1646.6	1638.5	1643.4	1656.3
22.5°	1767.5	1767.5	1756.3	1764.3	1790.1	1798.2	1759.5	1709.5	1690.1	1693.4	1706.3
25°	1853.0	1853.0	1849.8	1869.1	1906.2	1924.0	1872.4	1806.2	1774.0	1769.2	1783.7
27.5°	1996.5	1998.2	1993.3	2022.4	2069.1	2090.1	2019.1	1932.0	1893.3	1885.3	1899.8
30°	2182.0	2182.0	2183.6	2223.9	2285.2	2312.6	2219.1	2117.5	2072.3	2046.5	2065.9
32.5°	2388.4	2391.7	2407.8	2475.5	2583.6	2640.0	2502.9	2361.0	2288.5	2261.0	2282.0
35°	2728.7	2698.1	2678.7	2728.7	2885.2	2959.3	2783.6	2617.4	2562.6	2559.4	2612.6
37.5°	3065.8	3048.0	3007.7	3059.3	3199.6	3233.5	3040.0	2901.3	2862.6	2883.5	2936.8
40°	3333.5	3301.2	3248.0	3296.4	3480.3	3514.1	3275.4	3138.4	3123.8	3170.6	3243.2
42.5°	3544.8	3499.6	3428.6	3439.9	3588.3	3612.5	3401.2	3298.0	3307.7	3365.7	3448.0
45°	3639.9	3604.4	3541.5	3536.7	3630.2	3631.8	3465.7	3412.5	3438.3	3483.5	3548.0
47.5°	3680.2	3664.1	3628.6	3620.6	3673.8	3660.9	3557.7	3535.1	3559.3	3572.2	3609.3
50°	3780.2	3780.2	3785.1	3791.5	3846.3	3833.4	3760.9	3735.1	3704.4	3659.3	3670.6
52.5°	4060.8	4072.1	4118.9	4170.5	4270.5	4312.4	4194.7	4044.7	3897.9	3799.6	3799.6
55°	4567.2	4578.5	4633.3	4720.4	4904.3	5004.3	4730.1	4399.5	4197.9	4064.1	4081.8
57.5°	4846.2	4859.1	4972.0	5207.5	5563.9	5733.2	5144.6	4654.3	4372.1	4218.9	4231.8
58°	4828.5	4836.6	4964.0	5239.7	5636.5	5818.7	5173.6	4646.2	4349.5	4193.1	4209.2
60°	4289.8	4278.5	4481.8	4875.3	5434.9	5686.5	4884.9	4241.5	3896.3	3736.7	3744.7
62.5°	2804.5	2811.0	2986.8	3398.0	3833.4	4070.5	3412.5	2933.5	2656.2	2559.4	2535.2
65°	1170.8	1149.9	1257.9	1486.9	1748.2	1880.4	1615.9	1367.6	1196.6	1132.1	1149.9
67.5°	301.6	293.5	300.0	375.8	459.6	543.5	456.4	348.3	303.2	306.4	306.4
70°	170.9	161.3	130.6	121.0	117.7	117.7	117.7	117.7	135.5	159.7	164.5
72.5°	129.0	121.0	95.2	82.2	72.6	67.7	71.0	82.2	98.4	119.3	122.6
75°	64.5	64.5	58.1	54.8	48.4	45.2	46.8	51.6	59.7	67.7	66.1
77.5°	12.9	14.5	16.1	19.4	16.1	16.1	16.1	19.4	19.4	21.0	19.4
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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)