

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: P633285

Luminaire Tested: GWS-SA2E-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

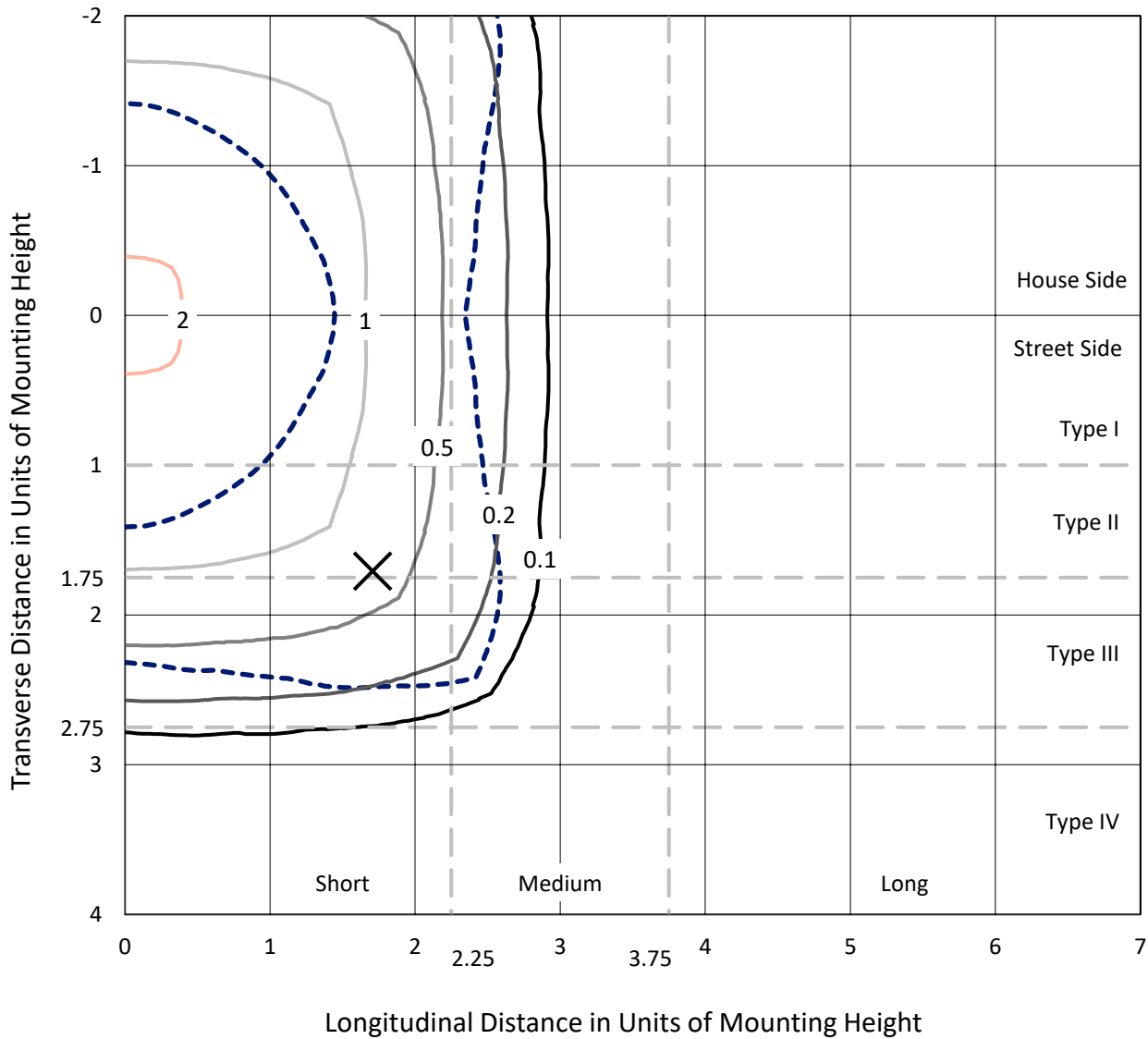
Lumens per Lamp: N/A  
Luminaire Lumens: 15110.4 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

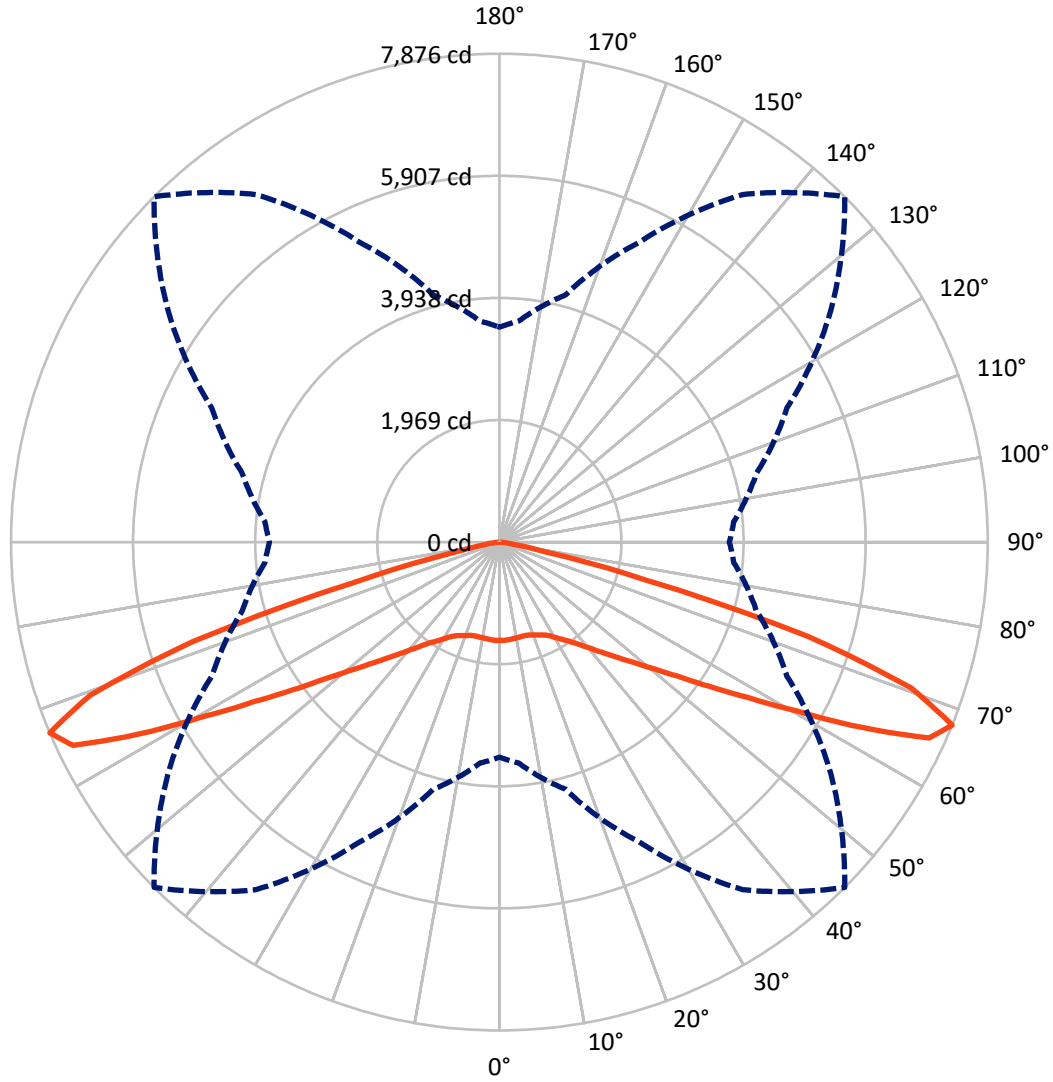
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	7555.2	0.0	7555.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7555.2	0.0	7555.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15110.4	0.0	15110.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.8	1.0
10°-20°	439.9	2.9
20°-30°	758.7	5.0
30°-40°	1233.8	8.2
40°-50°	2077.4	13.7
50°-60°	3680.7	24.4
60°-70°	5261.4	34.8
70°-80°	1444.0	9.6
80°-90°	64.7	0.4
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°	15110.4	100.0
0°-180°	15110.4	100.0

**Coefficient of Utilization**



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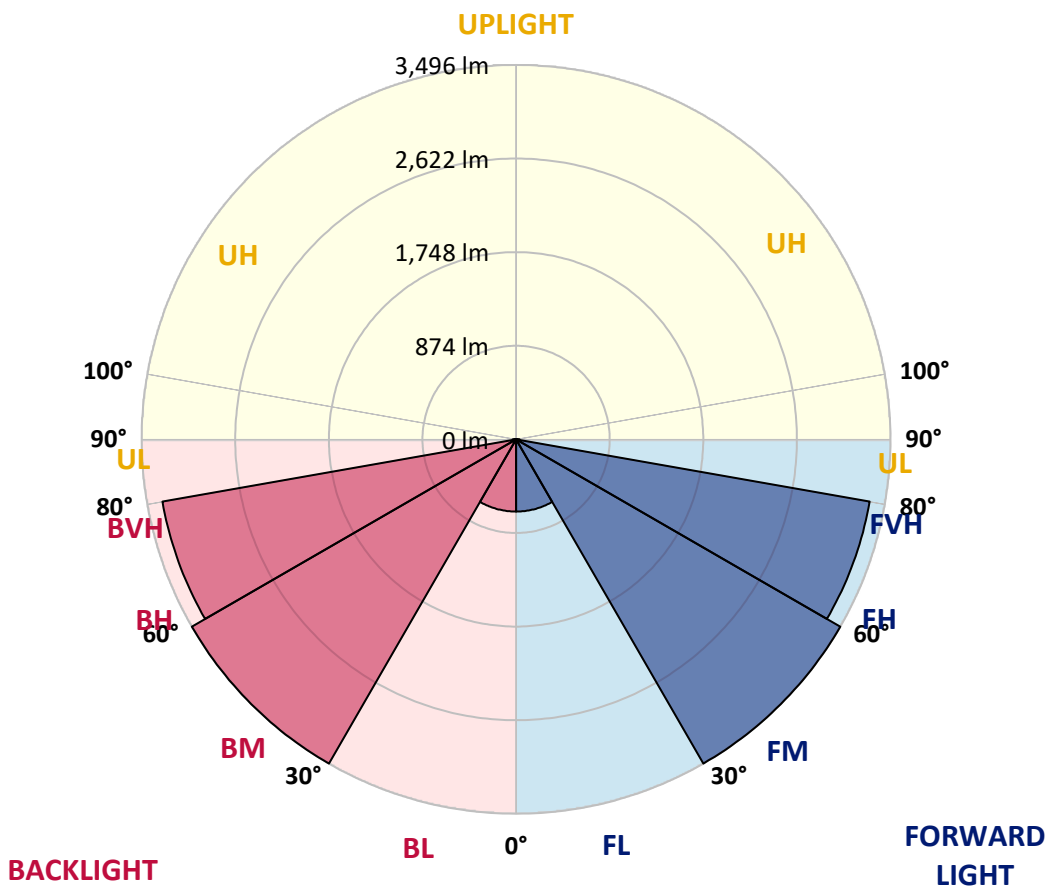
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.2	4.5			
FM (30°-60°)	3495.9	23.1			
FH (60°-80°)	3352.7	22.2			G2/5000
FVH (80°-90°)	32.3	0.2			G1/100
BL (0°-30°)	674.2	4.5	B2/1000		
BM (30°-60°)	3495.9	23.1	B3/5000		
BH (60°-80°)	3352.7	22.2	B4/5000		G2/5000
BVH (80°-90°)	32.3	0.2			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°	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5
2.5°	1572.1	1571.0	1576.3	1579.4	1578.4	1585.7	1584.6	1582.5	1582.5	1579.4	1587.8
5°	1572.1	1571.0	1575.2	1576.3	1574.2	1580.5	1578.4	1576.3	1576.3	1572.1	1579.4
7.5°	1563.7	1564.8	1567.9	1570.0	1567.9	1573.1	1570.0	1565.8	1564.8	1560.6	1567.9
10°	1548.0	1549.1	1552.2	1557.4	1558.5	1567.9	1562.7	1555.4	1552.2	1548.0	1555.4
12.5°	1538.6	1539.7	1542.8	1549.1	1551.2	1563.7	1558.5	1547.0	1541.8	1537.6	1544.9
15°	1536.5	1537.6	1541.8	1548.0	1551.2	1563.7	1558.5	1544.9	1537.6	1532.3	1538.6
17.5°	1536.5	1538.6	1544.9	1554.3	1560.6	1573.1	1566.9	1551.2	1540.7	1531.3	1537.6
20°	1537.6	1540.7	1550.1	1563.7	1579.4	1597.2	1588.8	1567.9	1553.3	1541.8	1545.9
22.5°	1547.0	1552.2	1563.7	1581.5	1604.5	1625.4	1618.1	1589.9	1569.0	1553.3	1557.4
25°	1579.4	1581.5	1596.1	1619.2	1641.1	1658.9	1651.6	1625.4	1599.3	1580.5	1585.7
27.5°	1636.9	1642.2	1654.7	1678.8	1697.6	1707.0	1706.0	1688.2	1662.0	1645.3	1649.5
30°	1706.0	1711.2	1727.9	1755.1	1774.0	1784.4	1781.3	1767.7	1743.6	1720.6	1724.8
32.5°	1786.5	1788.6	1808.5	1838.8	1858.7	1874.4	1863.9	1849.3	1818.9	1791.7	1793.8
35°	1889.0	1892.2	1913.1	1941.3	1957.0	1969.6	1967.5	1952.8	1920.4	1891.1	1898.4
37.5°	2017.7	2019.8	2038.6	2074.2	2086.7	2096.1	2098.2	2090.9	2057.4	2019.8	2027.1
40°	2177.7	2178.7	2199.7	2231.0	2244.6	2250.9	2252.0	2253.0	2218.5	2190.3	2188.2
42.5°	2363.9	2369.1	2398.4	2428.7	2435.0	2431.9	2442.3	2452.8	2419.3	2380.6	2383.8
45°	2586.7	2589.8	2629.6	2663.0	2651.5	2641.1	2660.9	2681.9	2651.5	2601.3	2586.7
47.5°	2850.3	2856.5	2899.4	2932.9	2914.1	2895.2	2927.7	2949.6	2900.5	2847.1	2833.5
50°	3148.4	3152.5	3213.2	3255.0	3233.1	3198.6	3239.4	3262.4	3196.5	3130.6	3101.3
52.5°	3500.9	3492.5	3573.0	3646.2	3632.6	3587.7	3621.1	3625.3	3527.0	3433.9	3404.6
55°	3930.7	3922.4	4002.9	4083.5	4116.9	4105.4	4089.7	4064.6	3919.2	3819.9	3792.7
57.5°	4431.8	4405.6	4518.6	4627.4	4700.6	4721.5	4654.6	4596.0	4480.9	4358.5	4327.2
60°	4897.2	4896.2	5075.0	5263.3	5464.1	5547.8	5378.4	5219.4	4961.0	4738.2	4693.3
62.5°	5028.0	5049.9	5342.8	5809.3	6305.1	6601.1	6154.5	5628.3	5129.4	4793.7	4734.0
65°	4705.8	4760.2	5176.5	5912.9	6891.9	7615.7	6607.4	5637.8	4942.2	4523.8	4461.0
67.5°	3468.4	3577.2	4128.4	5335.5	6841.7	7876.1	6526.8	5115.8	4292.6	3794.8	3708.0
70°	1711.2	1814.8	2252.0	3510.3	5629.4	7040.4	5647.2	3855.4	2899.4	2420.4	2340.9
72.5°	629.7	671.5	843.0	1502.0	3106.5	5200.5	3861.7	2153.6	1404.7	1118.1	1064.8
75°	308.6	315.9	342.0	504.2	1146.4	2447.6	1814.8	826.3	516.7	449.8	435.1
77.5°	196.6	199.8	212.3	240.6	368.2	770.9	550.2	326.3	253.1	242.7	242.7
80°	109.8	113.0	129.7	149.6	172.6	264.6	197.7	195.6	166.3	145.4	142.3
82.5°	52.3	57.5	82.6	81.6	91.0	132.8	116.1	105.6	106.7	80.5	76.4
85°	24.1	24.1	32.4	38.7	40.8	45.0	53.3	60.7	59.6	40.8	43.9
87.5°	11.5	11.5	11.5	10.5	9.4	8.4	11.5	18.8	27.2	18.8	17.8
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)