

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: P632793

Luminaire Tested: GWS-SA2D-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

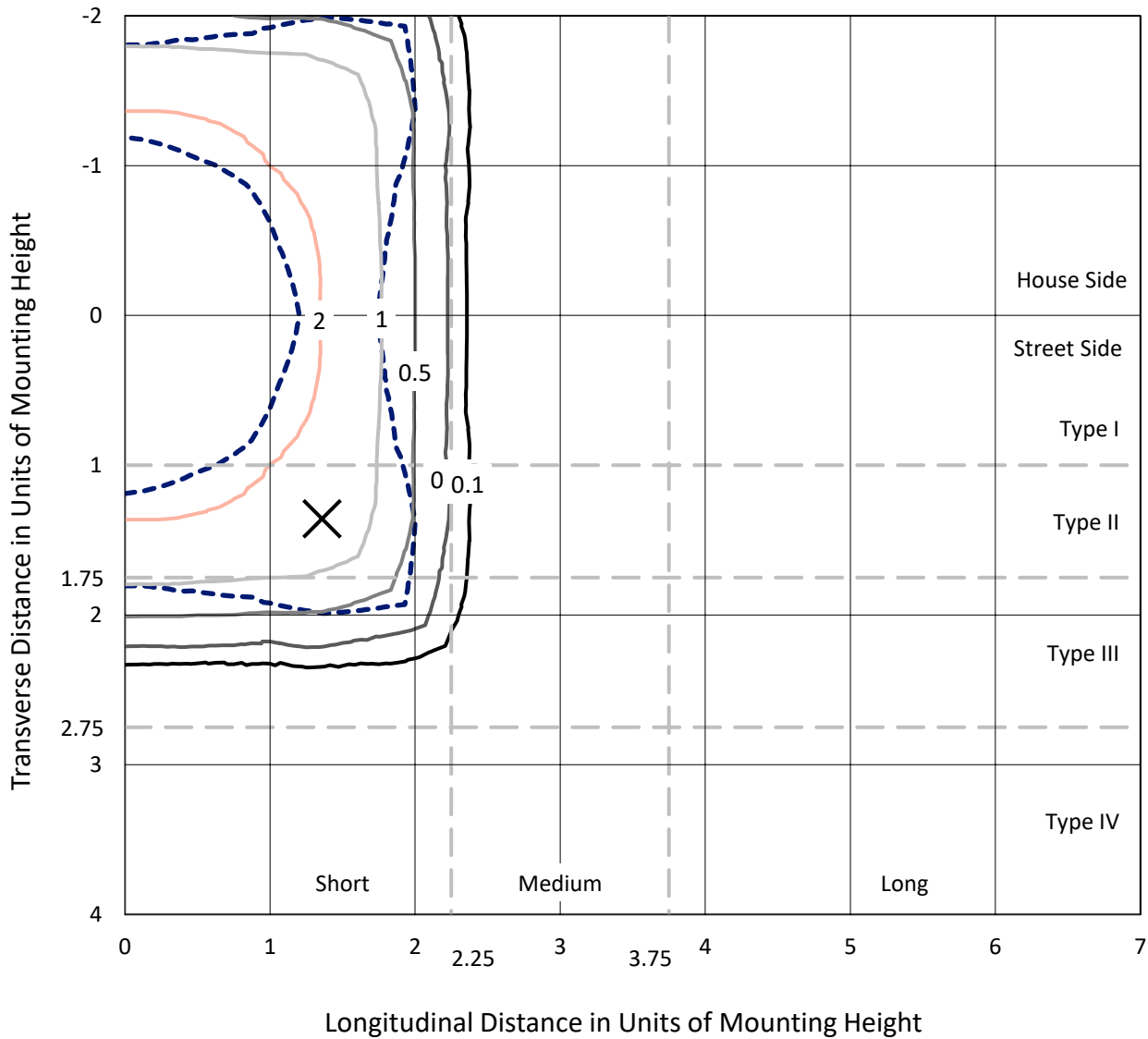
Lumens per Lamp: N/A  
Luminaire Lumens: 12203.8 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

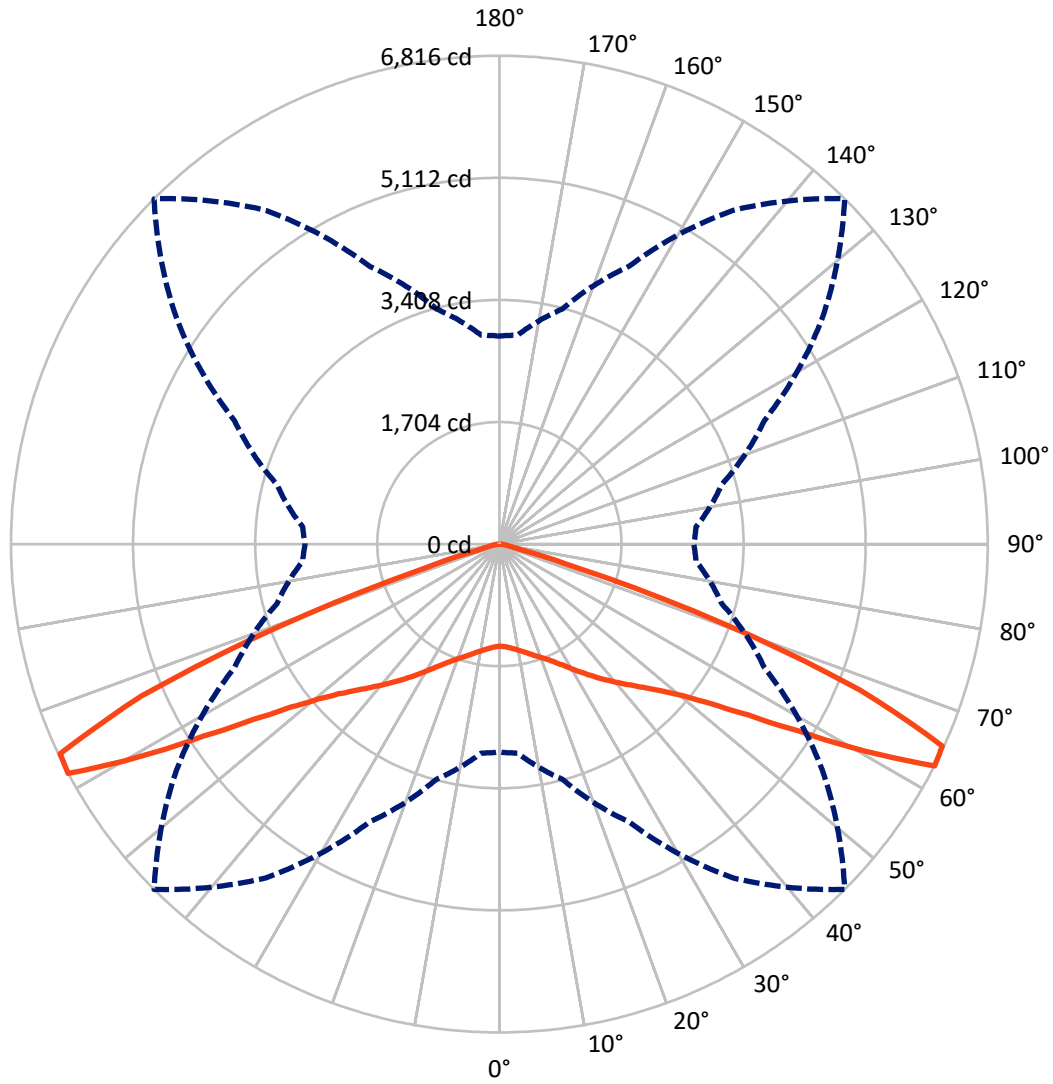
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6101.9	0.0	6101.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6101.9	0.0	6101.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12203.8	0.0	12203.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.7	1.1
10°-20°	450.5	3.7
20°-30°	852.2	7.0
30°-40°	1434.4	11.8
40°-50°	2291.8	18.8
50°-60°	3694.3	30.3
60°-70°	3014.1	24.7
70°-80°	292.7	2.4
80°-90°	34.1	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°	12203.8	100.0
0°-180°	12203.8	100.0

**Coefficient of Utilization**



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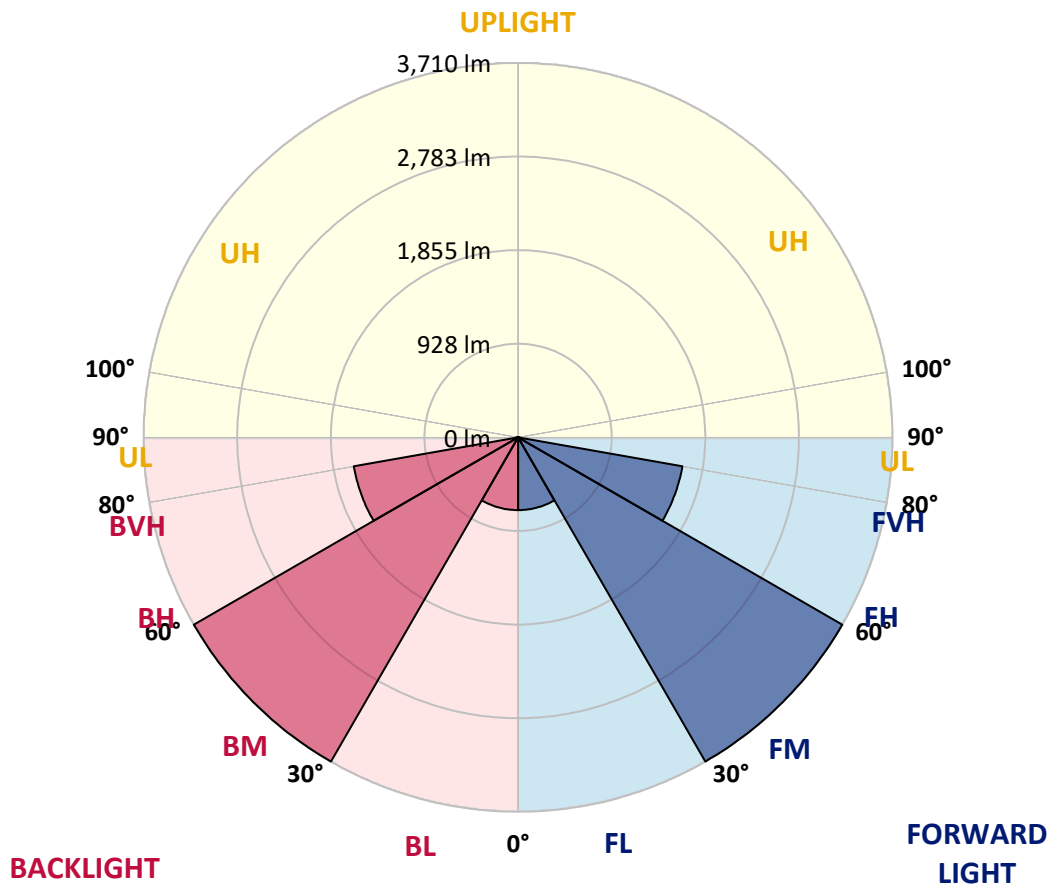
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.2	5.9			
FM (30°-60°)	3710.3	30.4			
FH (60°-80°)	1653.4	13.5			G1/1800
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	721.2	5.9	B2/1000		
BM (30°-60°)	3710.3	30.4	B3/5000		
BH (60°-80°)	1653.4	13.5	B3/2500		G1/1800
BVH (80°-90°)	17.0	0.1			G1/100
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°	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7	1423.7
2.5°	1422.1	1422.1	1425.4	1427.9	1426.2	1432.9	1432.1	1430.4	1429.6	1427.1	1434.6
5°	1441.3	1441.3	1443.8	1446.3	1442.2	1450.5	1447.2	1445.5	1444.7	1441.3	1448.0
7.5°	1463.1	1465.6	1466.4	1470.6	1468.1	1477.3	1474.8	1471.4	1469.8	1465.6	1471.4
10°	1487.3	1489.0	1489.9	1497.4	1498.2	1509.1	1506.6	1502.4	1499.1	1494.9	1503.3
12.5°	1520.0	1520.8	1523.3	1532.5	1535.1	1543.4	1542.6	1536.7	1532.5	1526.7	1535.9
15°	1561.8	1562.7	1566.9	1576.1	1580.3	1590.3	1587.0	1577.7	1571.9	1565.2	1572.7
17.5°	1605.4	1608.7	1612.9	1622.1	1628.0	1639.7	1635.5	1625.5	1620.4	1613.7	1618.8
20°	1661.4	1662.3	1664.8	1674.8	1679.0	1692.4	1693.3	1683.2	1680.7	1674.0	1681.5
22.5°	1723.4	1724.2	1726.7	1737.6	1745.1	1753.5	1758.5	1752.7	1748.5	1740.1	1749.3
25°	1792.0	1800.4	1802.9	1816.3	1824.7	1829.7	1835.5	1833.0	1827.2	1817.1	1821.3
27.5°	1888.3	1889.9	1894.1	1909.2	1914.2	1919.2	1925.1	1925.9	1917.6	1905.9	1911.7
30°	1997.9	1997.1	2006.3	2018.0	2022.2	2026.4	2034.7	2039.8	2028.9	2016.3	2022.2
32.5°	2110.1	2120.1	2131.8	2142.7	2140.2	2141.9	2155.3	2164.5	2149.4	2126.8	2131.8
35°	2236.5	2243.2	2258.2	2274.1	2270.8	2268.3	2276.6	2285.8	2264.9	2235.6	2243.2
37.5°	2366.2	2376.2	2398.8	2418.1	2413.1	2401.4	2410.6	2420.6	2400.5	2367.0	2363.7
40°	2511.0	2526.9	2559.5	2575.5	2562.1	2539.5	2555.4	2579.6	2559.5	2521.0	2511.8
42.5°	2680.9	2700.2	2732.8	2757.1	2727.8	2691.0	2717.7	2752.9	2747.9	2696.8	2680.9
45°	2891.0	2903.6	2943.7	2955.4	2911.9	2860.9	2909.4	2963.0	2950.4	2895.2	2874.3
47.5°	3119.5	3138.8	3173.9	3195.7	3125.4	3061.7	3129.5	3201.5	3188.1	3136.2	3112.0
50°	3410.8	3435.9	3481.9	3500.3	3403.2	3330.4	3417.5	3508.7	3482.8	3413.3	3381.5
52.5°	3728.0	3748.1	3826.8	3863.6	3772.4	3693.7	3769.9	3859.4	3804.2	3712.1	3669.4
55°	4007.6	4027.6	4143.2	4265.4	4261.2	4206.8	4245.3	4246.9	4097.1	3944.8	3899.6
57.5°	4067.8	4087.9	4308.0	4627.8	4853.8	4916.5	4803.5	4565.8	4188.4	3921.3	3870.3
60°	3746.4	3769.0	4118.9	4703.1	5446.4	5865.7	5345.1	4559.1	3906.3	3544.7	3496.2
62.5°	2902.7	2927.0	3397.4	4274.6	5685.7	6815.7	5502.4	4079.5	3213.2	2755.4	2712.7
65°	1386.1	1386.1	1983.7	3065.9	5208.7	6793.1	5047.1	3018.2	1934.3	1485.7	1448.8
67.5°	343.2	344.8	510.6	1193.6	3543.0	5421.3	3600.8	1448.8	681.3	482.1	469.6
70°	214.3	213.4	236.9	323.1	1239.6	3290.2	1472.3	436.9	277.0	244.4	242.7
72.5°	166.6	166.6	178.3	206.7	324.8	1120.7	429.4	242.7	200.9	180.8	180.8
75°	131.4	131.4	139.8	154.8	191.7	288.8	228.5	180.0	155.7	142.3	140.6
77.5°	97.9	99.6	106.3	116.3	130.6	162.4	144.8	135.6	121.4	111.3	108.0
80°	63.6	66.1	74.5	80.4	85.4	107.1	94.6	98.8	92.1	80.4	78.7
82.5°	34.3	35.2	45.2	46.9	48.5	58.6	60.3	62.8	65.3	51.1	47.7
85°	12.6	12.6	15.1	17.6	19.3	20.9	28.5	35.2	36.8	29.3	28.5
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	5.0	9.2	15.1	11.7	11.7
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)