

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: P632791

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

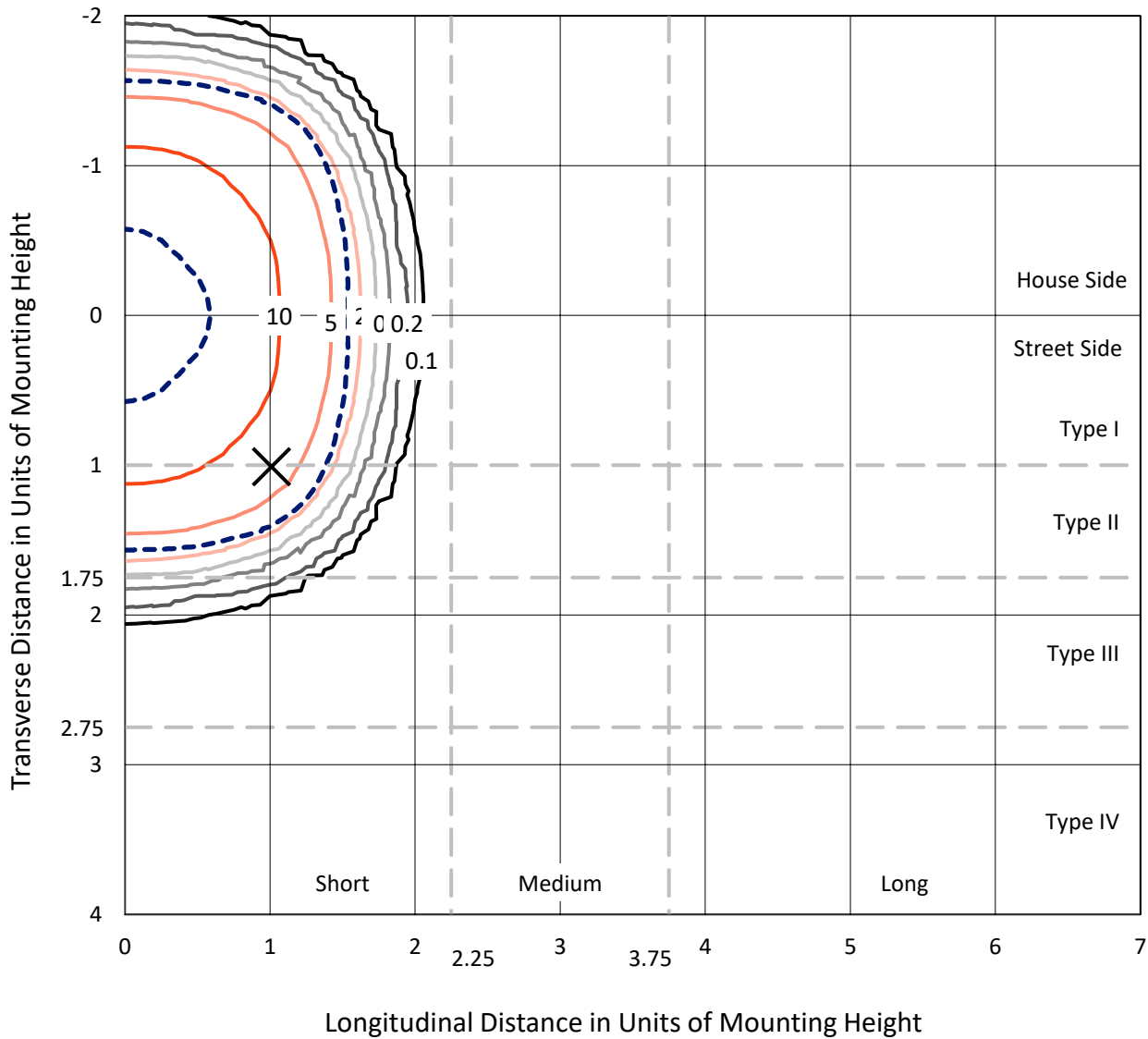
Lumens per Lamp: N/A  
Luminaire Lumens: 8216.3 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

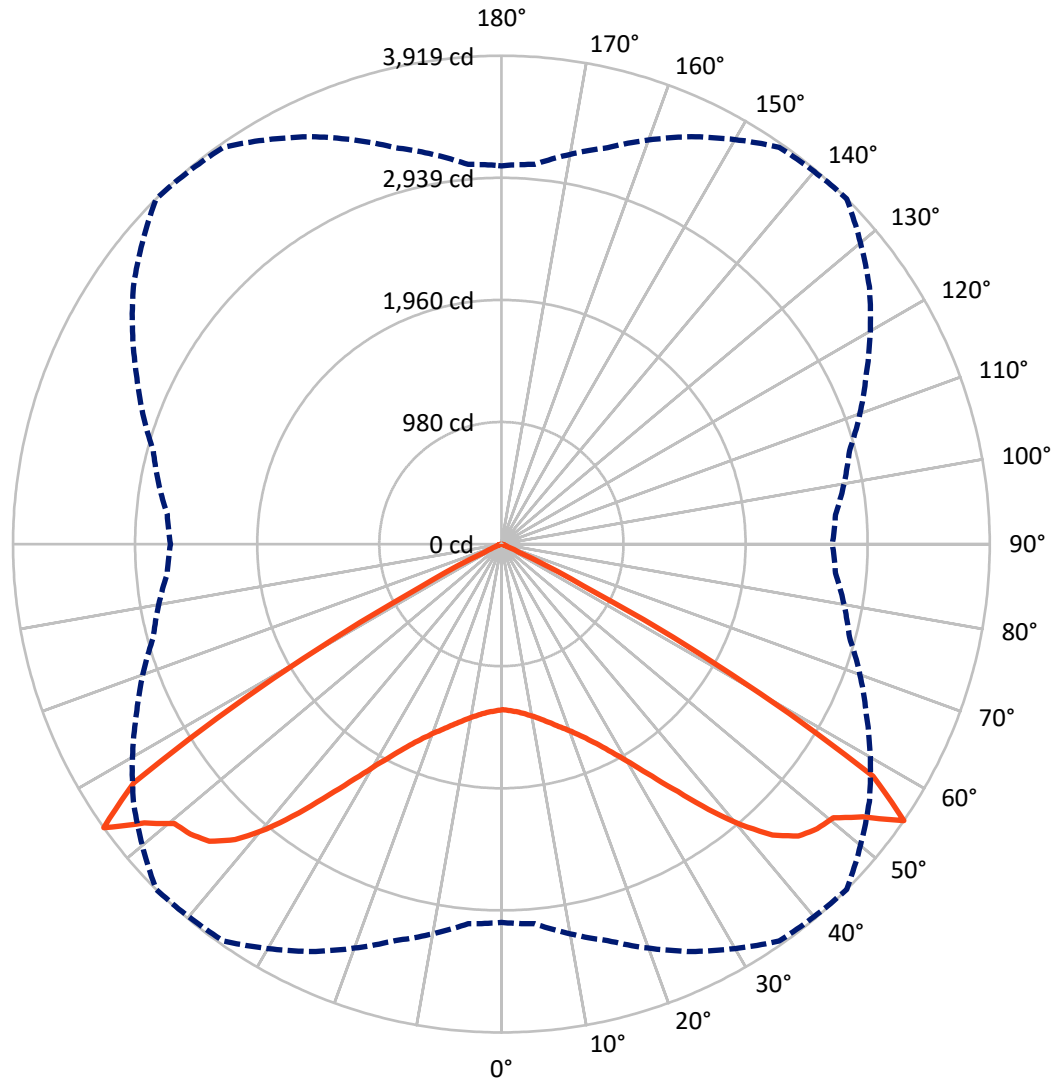
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4108.1	0.0	4108.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4108.1	0.0	4108.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8216.3	0.0	8216.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.2	1.6
10°-20°	421.9	5.1
20°-30°	817.1	9.9
30°-40°	1463.8	17.8
40°-50°	2454.2	29.9
50°-60°	2627.1	32.0
60°-70°	288.7	3.5
70°-80°	12.7	0.2
80°-90°	0.6	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°	8216.3	100.0
0°-180°	8216.3	100.0

**Coefficient of Utilization**



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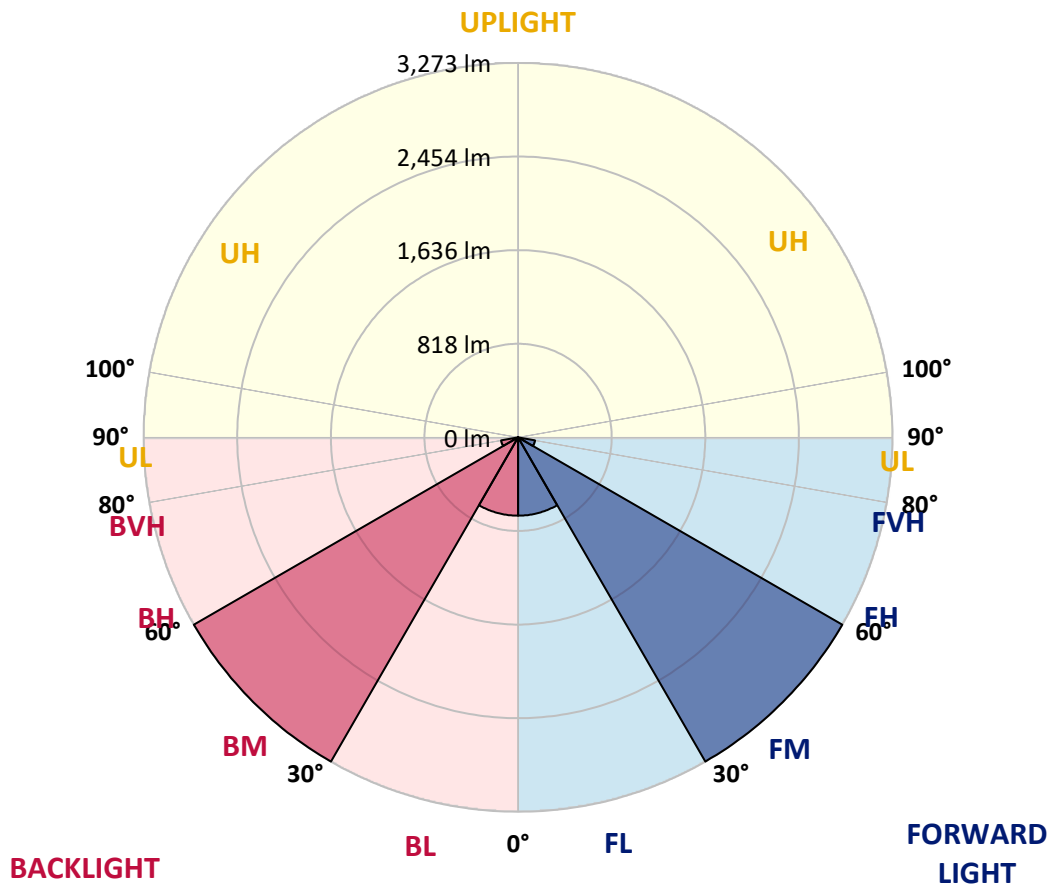
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	684.6	8.3			
FM (30°-60°)	3272.6	39.8			
FH (60°-80°)	150.7	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	684.6	8.3	B2/1000		
BM (30°-60°)	3272.6	39.8	B3/5000		
BH (60°-80°)	150.7	1.8	B1/500		G0/660
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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4	1328.4
2.5°	1325.9	1325.9	1329.3	1331.8	1331.8	1338.5	1336.0	1333.4	1333.4	1330.1	1336.8
5°	1345.2	1344.3	1347.7	1349.3	1346.0	1352.7	1348.5	1346.0	1344.3	1341.0	1347.7
7.5°	1366.1	1366.9	1367.8	1371.1	1369.4	1376.1	1372.8	1367.8	1366.1	1361.1	1367.8
10°	1391.2	1391.2	1392.9	1397.1	1397.9	1406.3	1402.9	1397.1	1392.0	1387.0	1393.7
12.5°	1423.0	1423.8	1426.4	1432.2	1435.6	1444.8	1439.7	1428.0	1420.5	1414.6	1422.2
15°	1469.0	1468.2	1471.6	1479.9	1484.1	1490.8	1483.3	1467.4	1458.2	1451.5	1456.5
17.5°	1519.3	1519.3	1520.9	1529.3	1535.2	1545.2	1536.0	1516.8	1508.4	1499.2	1504.2
20°	1574.5	1577.0	1578.7	1584.6	1594.6	1604.6	1597.1	1577.9	1568.7	1556.9	1562.8
22.5°	1647.3	1644.8	1645.7	1655.7	1669.9	1680.0	1674.1	1651.5	1635.6	1626.4	1629.8
25°	1728.5	1727.7	1730.2	1745.3	1761.2	1772.1	1763.7	1734.4	1718.5	1702.6	1709.3
27.5°	1828.1	1829.0	1830.7	1849.1	1874.2	1890.1	1869.2	1839.9	1818.1	1797.2	1802.2
30°	1946.2	1944.5	1949.5	1974.6	2011.5	2036.6	2012.3	1971.3	1940.3	1920.2	1922.7
32.5°	2071.7	2073.4	2086.8	2127.0	2175.5	2219.9	2170.5	2116.1	2075.9	2038.2	2043.3
35°	2207.3	2211.5	2241.7	2301.1	2380.6	2440.0	2371.4	2281.8	2224.9	2176.4	2178.0
37.5°	2367.2	2377.3	2419.1	2507.8	2621.7	2701.2	2600.8	2481.9	2408.2	2348.0	2343.8
40°	2577.3	2589.0	2646.0	2751.4	2889.5	2962.4	2846.0	2723.8	2632.6	2567.3	2557.2
42.5°	2818.4	2833.5	2895.4	3003.4	3141.5	3190.9	3077.0	2974.1	2892.0	2815.0	2811.7
45°	3090.4	3098.8	3149.0	3231.9	3331.5	3343.2	3257.8	3200.9	3118.1	3046.1	3040.2
47.5°	3345.7	3354.1	3388.4	3431.1	3454.6	3412.7	3397.6	3372.5	3265.4	3176.7	3158.2
50°	3539.9	3546.6	3589.3	3606.1	3540.8	3452.0	3481.3	3427.8	3311.4	3211.8	3183.3
52.5°	3526.5	3543.3	3652.9	3748.4	3707.3	3635.4	3556.7	3441.2	3260.4	3123.9	3088.8
55°	3036.0	3058.6	3293.8	3607.7	3888.2	3919.1	3604.4	3231.9	2892.0	2692.0	2656.0
57.5°	1951.2	1957.1	2244.2	2684.5	3316.4	3515.7	2989.1	2436.7	2014.0	1793.8	1778.8
60°	717.4	705.6	922.4	1287.4	1910.2	2121.1	1759.5	1232.2	878.9	723.2	710.7
62.5°	172.4	174.1	216.0	323.9	599.3	741.6	585.9	327.3	208.4	174.9	173.3
65°	87.1	85.4	86.2	92.9	128.1	153.2	125.6	88.7	85.4	86.2	85.4
67.5°	56.1	55.2	56.9	57.8	56.9	53.6	52.7	54.4	54.4	55.2	53.6
70°	34.3	33.5	35.2	37.7	36.0	31.8	33.5	35.2	33.5	32.6	32.6
72.5°	18.4	18.4	20.1	21.8	20.1	18.4	18.4	19.3	18.4	18.4	18.4
75°	8.4	8.4	9.2	10.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	2.5	2.5	3.3	3.3	2.5	2.5	2.5	2.5	3.3	3.3	3.3
80°	0.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)