

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: P632794

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632794  
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-SA2D-740-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

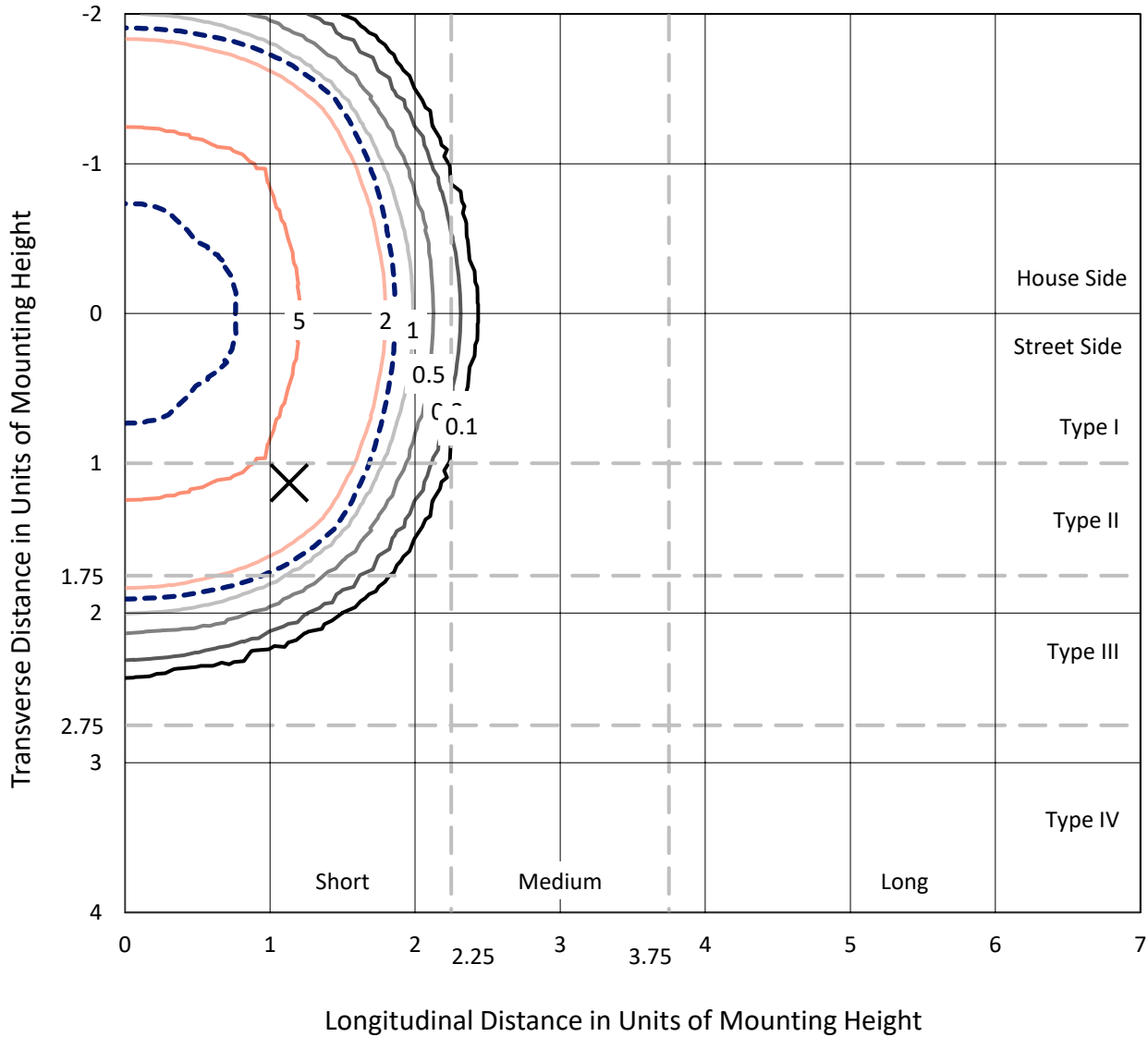
Lumens per Lamp: N/A  
Luminaire Lumens: 6144.6 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

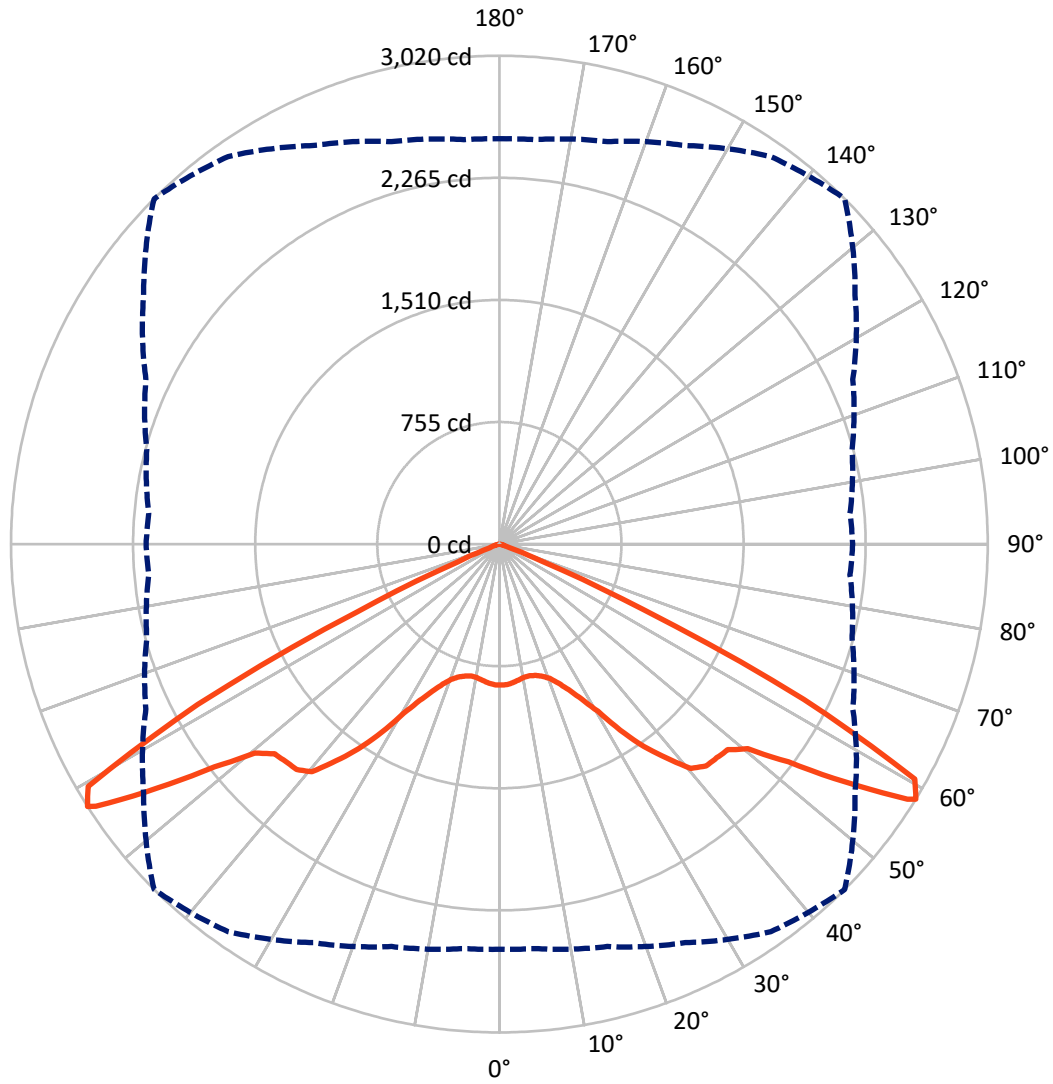
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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	3072.3	0.0	3072.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3072.3	0.0	3072.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6144.6	0.0	6144.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	1.3
10°-20°	240.6	3.9
20°-30°	455.0	7.4
30°-40°	897.3	14.6
40°-50°	1420.0	23.1
50°-60°	2087.3	34.0
60°-70°	931.7	15.2
70°-80°	31.2	0.5
80°-90°	0.2	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°	6144.6	100.0
0°-180°	6144.6	100.0

**Coefficient of Utilization**



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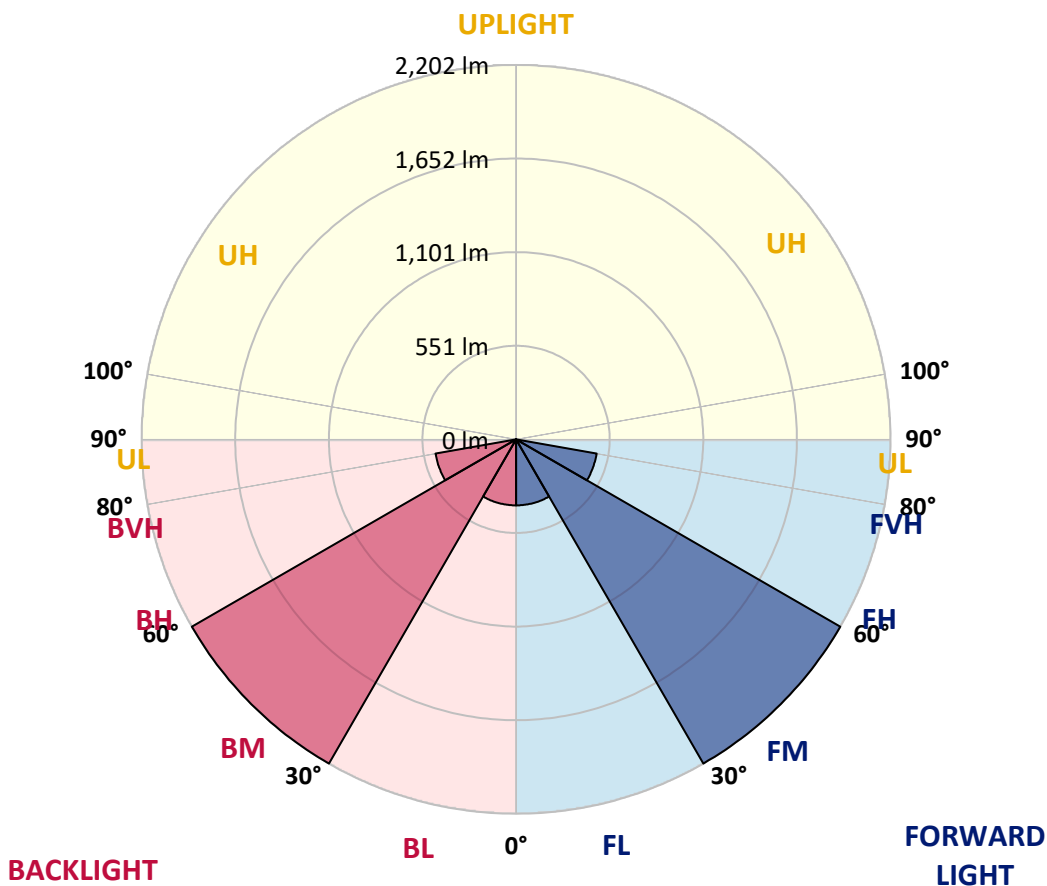
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.4	6.3			
FM (30°-60°)	2202.3	35.8			
FH (60°-80°)	481.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	388.4	6.3	B1/500		
BM (30°-60°)	2202.3	35.8	B2/2500		
BH (60°-80°)	481.4	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4	871.4
2.5°	863.0	864.7	866.4	867.2	868.0	870.5	871.4	868.9	868.9	863.9	869.7
5°	858.8	860.5	862.2	861.3	861.3	861.3	860.5	857.2	856.3	851.3	857.2
7.5°	851.3	853.0	853.0	850.5	848.8	848.8	847.9	843.8	842.9	837.9	843.8
10°	845.4	846.3	845.4	840.4	837.1	837.1	836.2	834.6	835.4	832.0	837.1
12.5°	848.8	849.6	846.3	839.6	835.4	834.6	832.0	829.5	832.0	831.2	836.2
15°	859.7	860.5	854.6	846.3	842.9	842.9	836.2	829.5	832.9	833.7	839.6
17.5°	873.1	873.1	865.5	858.0	858.8	858.8	847.9	836.2	837.1	840.4	846.3
20°	889.0	889.0	881.4	879.8	885.6	886.5	873.1	854.6	850.5	853.0	859.7
22.5°	917.4	917.4	911.6	915.8	929.1	933.3	913.2	887.3	877.2	878.9	885.6
25°	961.8	961.8	960.1	970.2	989.4	998.6	971.8	937.5	920.8	918.3	925.8
27.5°	1036.3	1037.1	1034.6	1049.7	1074.0	1084.8	1048.0	1002.8	982.7	978.5	986.1
30°	1132.6	1132.6	1133.4	1154.3	1186.1	1200.4	1151.8	1099.1	1075.6	1062.2	1072.3
32.5°	1239.7	1241.4	1249.7	1284.9	1341.0	1370.3	1299.1	1225.5	1187.8	1173.6	1184.4
35°	1416.3	1400.4	1390.4	1416.3	1497.5	1536.0	1444.8	1358.6	1330.1	1328.4	1356.0
37.5°	1591.3	1582.1	1561.1	1587.9	1660.7	1678.3	1577.9	1505.9	1485.8	1496.7	1524.3
40°	1730.2	1713.5	1685.9	1711.0	1806.4	1824.0	1700.1	1628.9	1621.4	1645.7	1683.3
42.5°	1839.9	1816.4	1779.6	1785.5	1862.5	1875.0	1765.4	1711.8	1716.8	1747.0	1789.6
45°	1889.3	1870.8	1838.2	1835.7	1884.2	1885.1	1798.9	1771.2	1784.6	1808.1	1841.5
47.5°	1910.2	1901.8	1883.4	1879.2	1906.8	1900.1	1846.6	1834.8	1847.4	1854.1	1873.4
50°	1962.1	1962.1	1964.6	1967.9	1996.4	1989.7	1952.0	1938.6	1922.7	1899.3	1905.2
52.5°	2107.7	2113.6	2137.9	2164.7	2216.6	2238.3	2177.2	2099.4	2023.2	1972.1	1972.1
55°	2370.6	2376.4	2404.9	2450.1	2545.5	2597.4	2455.1	2283.5	2178.9	2109.4	2118.6
57.5°	2515.4	2522.1	2580.7	2702.9	2887.9	2975.8	2670.2	2415.8	2269.3	2189.8	2196.5
58°	2506.2	2510.4	2576.5	2719.6	2925.5	3020.1	2685.3	2411.6	2257.6	2176.4	2184.7
60°	2226.6	2220.7	2326.2	2530.5	2820.9	2951.5	2535.5	2201.5	2022.4	1939.5	1943.7
62.5°	1455.7	1459.0	1550.2	1763.7	1989.7	2112.8	1771.2	1522.6	1378.6	1328.4	1315.9
65°	607.7	596.8	652.9	771.8	907.4	976.0	838.7	709.8	621.1	587.6	596.8
67.5°	156.5	152.3	155.7	195.0	238.6	282.1	236.9	180.8	157.4	159.0	159.0
70°	88.7	83.7	67.8	62.8	61.1	61.1	61.1	61.1	70.3	82.9	85.4
72.5°	67.0	62.8	49.4	42.7	37.7	35.2	36.8	42.7	51.1	61.9	63.6
75°	33.5	33.5	30.1	28.5	25.1	23.4	24.3	26.8	31.0	35.2	34.3
77.5°	6.7	7.5	8.4	10.0	8.4	8.4	8.4	10.0	10.0	10.9	10.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)