

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: P632739

Luminaire Tested: GWS-SA2D-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632739  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

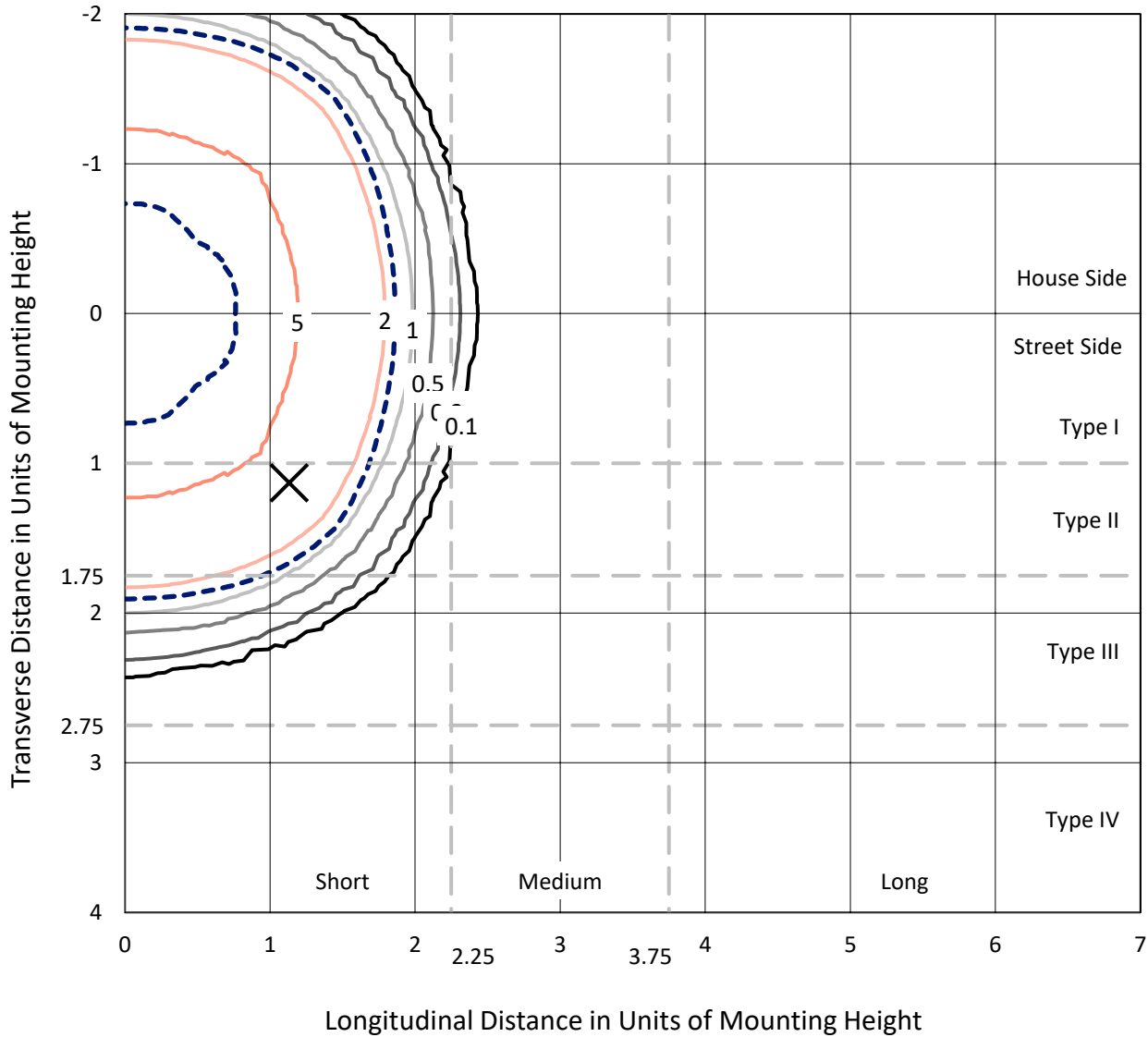
Lumens per Lamp: N/A  
Luminaire Lumens: 6060.4 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

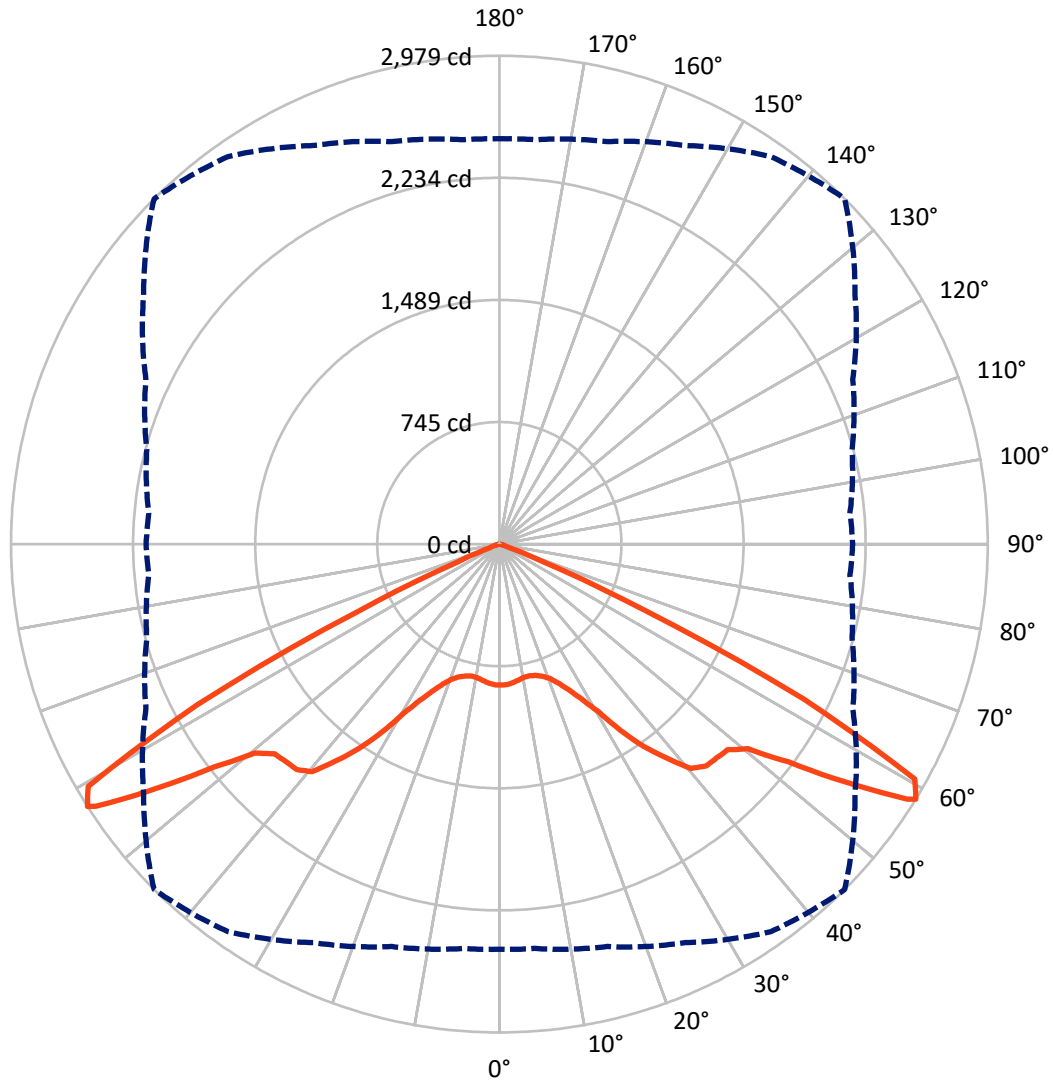
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	3030.2	0.0	3030.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3030.2	0.0	3030.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6060.4	0.0	6060.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.2	1.3
10°-20°	237.3	3.9
20°-30°	448.7	7.4
30°-40°	885.0	14.6
40°-50°	1400.5	23.1
50°-60°	2058.7	34.0
60°-70°	918.9	15.2
70°-80°	30.8	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°	6060.4	100.0
0°-180°	6060.4	100.0

**Coefficient of Utilization**



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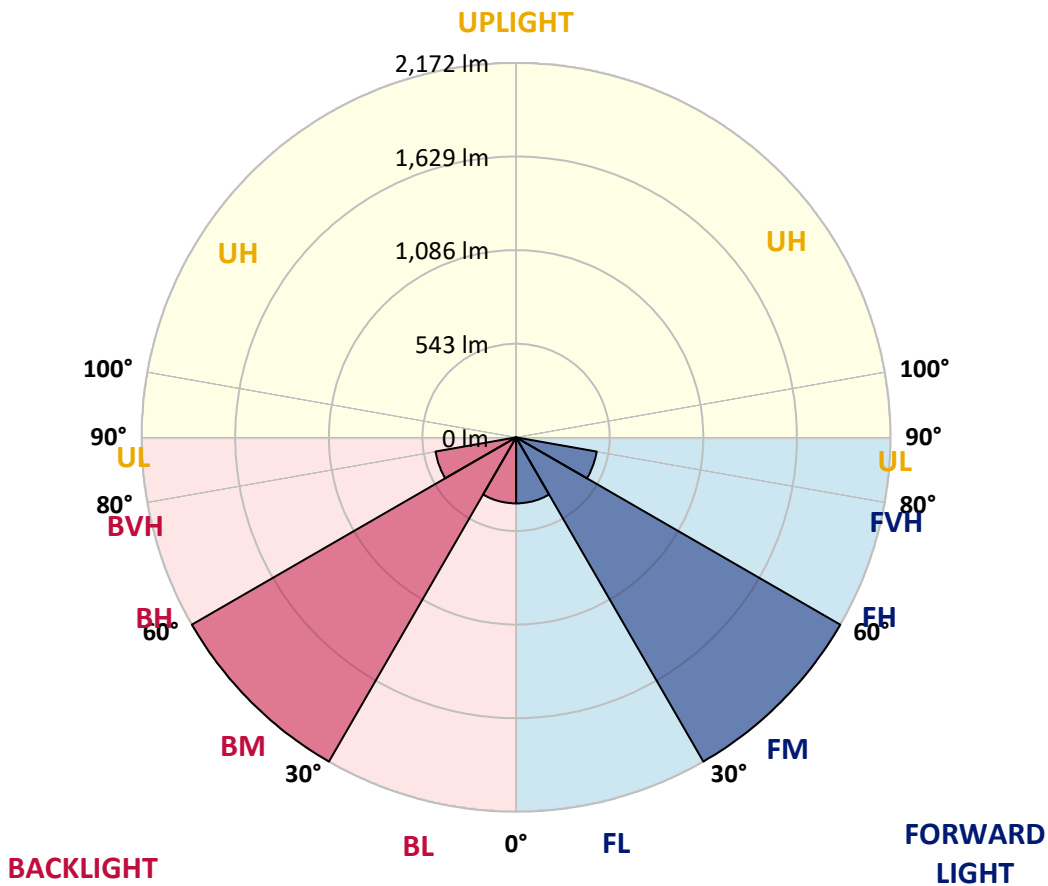
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.1	6.3			
FM (30°-60°)	2172.1	35.8			
FH (60°-80°)	474.9	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	383.1	6.3	B1/500		
BM (30°-60°)	2172.1	35.8	B2/2500		
BH (60°-80°)	474.9	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°	859.4	859.4	859.4	859.4	859.4	859.4	859.4	859.4	859.4	859.4	859.4
2.5°	851.2	852.8	854.5	855.3	856.1	858.6	859.4	857.0	857.0	852.0	857.8
5°	847.1	848.7	850.4	849.5	849.5	849.5	848.7	845.4	844.6	839.6	845.4
7.5°	839.6	841.3	841.3	838.8	837.2	837.2	836.3	832.2	831.4	826.4	832.2
10°	833.9	834.7	833.9	828.9	825.6	825.6	824.8	823.1	823.9	820.6	825.6
12.5°	837.2	838.0	834.7	828.1	823.9	823.1	820.6	818.2	820.6	819.8	824.8
15°	847.9	848.7	842.9	834.7	831.4	831.4	824.8	818.2	821.5	822.3	828.1
17.5°	861.1	861.1	853.7	846.2	847.1	847.1	836.3	824.8	825.6	828.9	834.7
20°	876.8	876.8	869.4	867.7	873.5	874.3	861.1	842.9	838.8	841.3	847.9
22.5°	904.9	904.9	899.1	903.2	916.4	920.5	900.7	875.1	865.2	866.9	873.5
25°	948.6	948.6	947.0	956.9	975.9	984.9	958.5	924.7	908.2	905.7	913.1
27.5°	1022.1	1022.9	1020.4	1035.3	1059.2	1070.0	1033.6	989.1	969.2	965.1	972.6
30°	1117.0	1117.0	1117.9	1138.5	1169.9	1183.9	1136.0	1084.0	1060.9	1047.7	1057.6
32.5°	1222.7	1224.4	1232.6	1267.3	1322.6	1351.5	1281.3	1208.7	1171.5	1157.5	1168.2
35°	1396.9	1381.2	1371.3	1396.9	1477.0	1515.0	1425.0	1339.9	1311.9	1310.2	1337.5
37.5°	1569.5	1560.4	1539.7	1566.2	1638.0	1655.3	1556.2	1485.2	1465.4	1476.2	1503.4
40°	1706.5	1690.0	1662.8	1687.5	1781.6	1799.0	1676.8	1606.6	1599.2	1623.1	1660.3
42.5°	1814.7	1791.5	1755.2	1761.0	1837.0	1849.3	1741.2	1688.3	1693.3	1723.0	1765.1
45°	1863.4	1845.2	1813.0	1810.5	1858.4	1859.2	1774.2	1747.0	1760.2	1783.3	1816.3
47.5°	1884.0	1875.8	1857.6	1853.5	1880.7	1874.1	1821.3	1809.7	1822.1	1828.7	1847.7
50°	1935.2	1935.2	1937.7	1941.0	1969.0	1962.4	1925.3	1912.1	1896.4	1873.3	1879.1
52.5°	2078.9	2084.6	2108.6	2135.0	2186.2	2207.6	2147.4	2070.6	1995.5	1945.1	1945.1
55°	2338.1	2343.9	2371.9	2416.5	2510.6	2561.8	2421.5	2252.2	2149.0	2080.5	2089.6
57.5°	2480.9	2487.5	2545.3	2665.8	2848.3	2935.0	2633.7	2382.7	2238.2	2159.8	2166.4
58°	2471.8	2476.0	2541.2	2682.4	2885.5	2978.8	2648.5	2378.5	2226.6	2146.5	2154.8
60°	2196.1	2190.3	2294.3	2495.8	2782.3	2911.1	2500.7	2171.3	1994.6	1912.9	1917.0
62.5°	1435.7	1439.0	1529.0	1739.5	1962.4	2083.8	1747.0	1501.8	1359.8	1310.2	1297.8
65°	599.4	588.6	644.0	761.2	894.9	962.6	827.2	700.1	612.6	579.6	588.6
67.5°	154.4	150.3	153.6	192.4	235.3	278.2	233.6	178.3	155.2	156.9	156.9
70°	87.5	82.6	66.9	61.9	60.3	60.3	60.3	60.3	69.4	81.7	84.2
72.5°	66.0	61.9	48.7	42.1	37.2	34.7	36.3	42.1	50.4	61.1	62.7
75°	33.0	33.0	29.7	28.1	24.8	23.1	23.9	26.4	30.5	34.7	33.8
77.5°	6.6	7.4	8.3	9.9	8.3	8.3	8.3	9.9	9.9	10.7	9.9
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)