

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: P632684

Luminaire Tested: GWS-SA2D-730-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632684  
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-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5595.4 lumens  
Efficiency: N/A  
Efficacy: 68.2 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

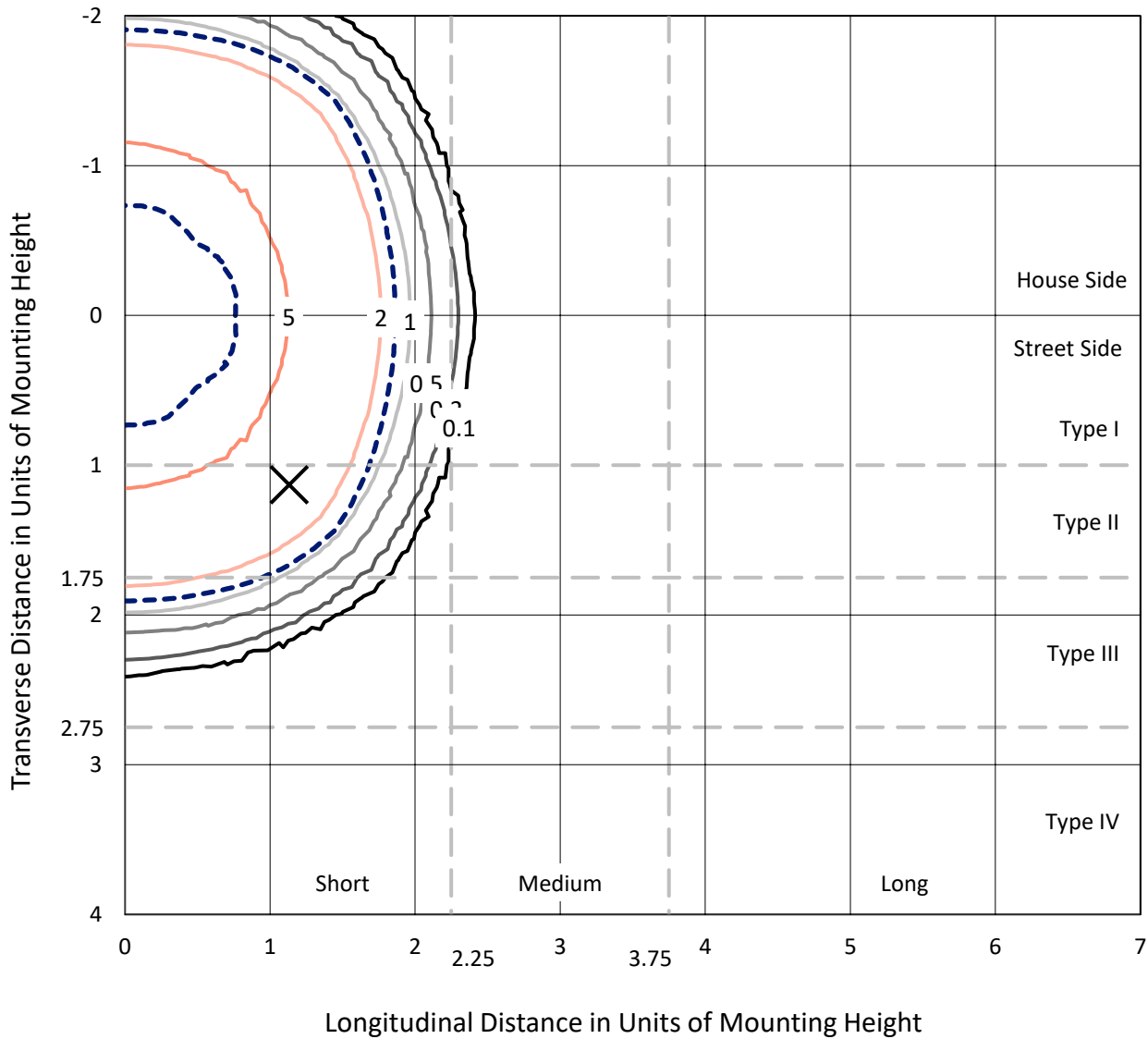


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### Iso-Footcandle Lines of Horizontal Illumination

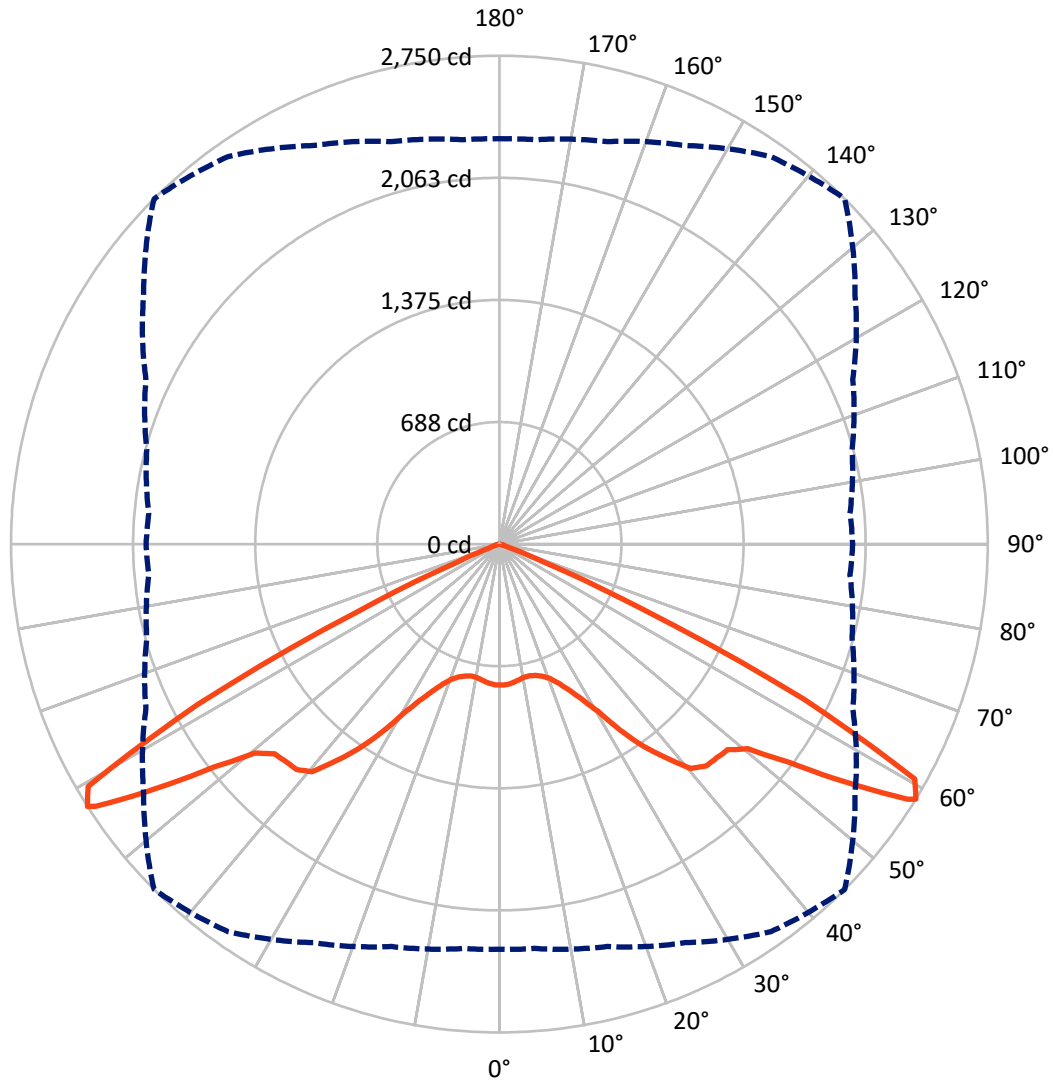
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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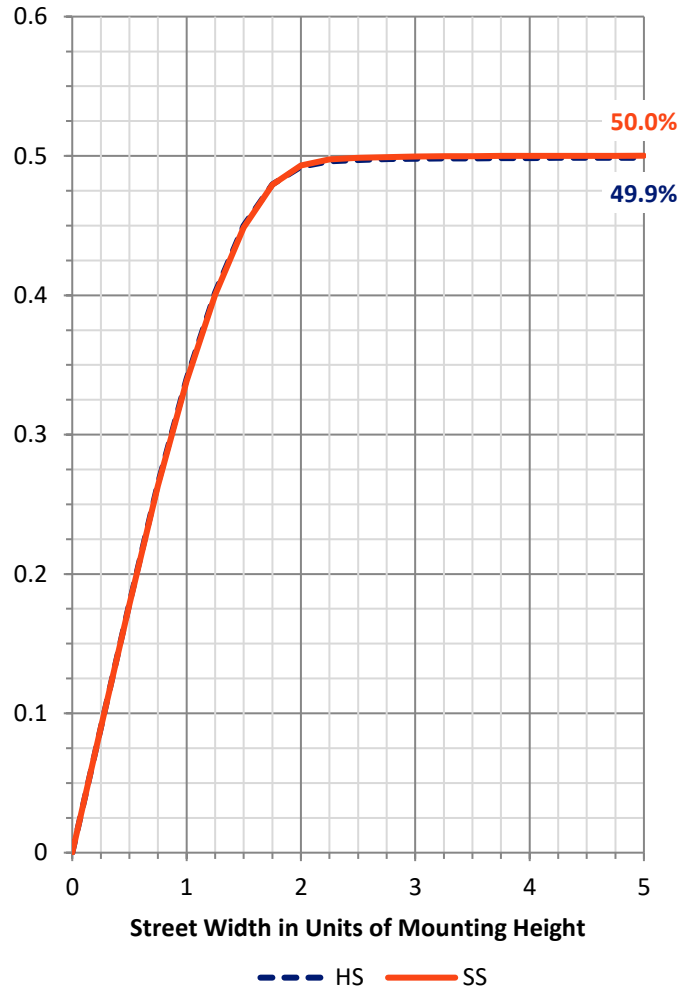
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2797.7	0.0	2797.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2797.7	0.0	2797.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5595.4	0.0	5595.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.0	1.3
10°-20°	219.1	3.9
20°-30°	414.3	7.4
30°-40°	817.1	14.6
40°-50°	1293.1	23.1
50°-60°	1900.7	34.0
60°-70°	848.4	15.2
70°-80°	28.4	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°	5595.4	100.0
0°-180°	5595.4	100.0

**Coefficient of Utilization**



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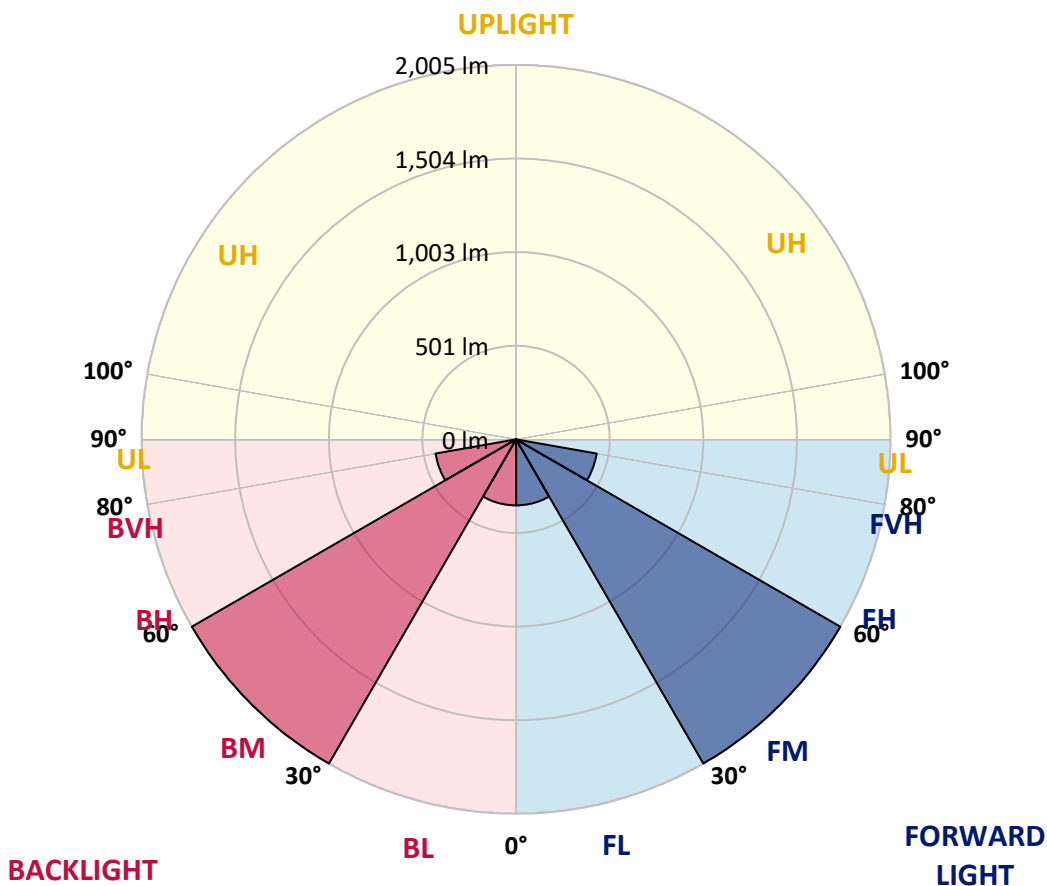
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.7	6.3			
FM (30°-60°)	2005.5	35.8			
FH (60°-80°)	438.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	353.7	6.3	B1/500		
BM (30°-60°)	2005.5	35.8	B2/2500		
BH (60°-80°)	438.4	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°	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5
2.5°	785.9	787.4	788.9	789.7	790.5	792.7	793.5	791.2	791.2	786.6	792.0
5°	782.1	783.6	785.1	784.4	784.4	784.4	783.6	780.5	779.8	775.2	780.5
7.5°	775.2	776.7	776.7	774.4	772.9	772.9	772.2	768.3	767.6	763.0	768.3
10°	769.9	770.6	769.9	765.3	762.2	762.2	761.5	760.0	760.7	757.7	762.2
12.5°	772.9	773.7	770.6	764.5	760.7	760.0	757.7	755.4	757.7	756.9	761.5
15°	782.8	783.6	778.3	770.6	767.6	767.6	761.5	755.4	758.4	759.2	764.5
17.5°	795.0	795.0	788.2	781.3	782.1	782.1	772.2	761.5	762.2	765.3	770.6
20°	809.5	809.5	802.6	801.1	806.5	807.2	795.0	778.3	774.4	776.7	782.8
22.5°	835.4	835.4	830.1	833.9	846.1	849.9	831.6	808.0	798.8	800.4	806.5
25°	875.8	875.8	874.3	883.4	901.0	909.4	885.0	853.7	838.5	836.2	843.0
27.5°	943.7	944.4	942.1	955.9	978.0	987.9	954.3	913.2	894.9	891.1	897.9
30°	1031.3	1031.3	1032.1	1051.1	1080.1	1093.1	1048.9	1000.8	979.5	967.3	976.4
32.5°	1128.9	1130.4	1138.0	1170.1	1221.1	1247.8	1183.0	1115.9	1081.6	1068.7	1078.6
35°	1289.7	1275.2	1266.1	1289.7	1363.7	1398.7	1315.6	1237.1	1211.2	1209.7	1234.8
37.5°	1449.0	1440.7	1421.6	1446.0	1512.3	1528.3	1436.8	1371.3	1353.0	1362.9	1388.1
40°	1575.6	1560.3	1535.2	1558.0	1644.9	1660.9	1548.1	1483.3	1476.5	1498.6	1532.9
42.5°	1675.4	1654.1	1620.5	1625.9	1696.0	1707.4	1607.6	1558.8	1563.4	1590.8	1629.7
45°	1720.4	1703.6	1673.9	1671.6	1715.8	1716.6	1638.1	1612.9	1625.1	1646.5	1676.9
47.5°	1739.5	1731.8	1715.1	1711.3	1736.4	1730.3	1681.5	1670.9	1682.3	1688.4	1705.9
50°	1786.7	1786.7	1789.0	1792.0	1818.0	1811.9	1777.6	1765.4	1750.9	1729.5	1734.9
52.5°	1919.3	1924.7	1946.8	1971.2	2018.4	2038.3	1982.6	1911.7	1842.4	1795.9	1795.9
55°	2158.7	2164.0	2189.9	2231.1	2318.0	2365.3	2235.7	2079.4	1984.1	1920.9	1929.3
57.5°	2290.6	2296.7	2350.0	2461.3	2629.8	2709.8	2431.6	2199.9	2066.5	1994.0	2000.1
58°	2282.2	2286.0	2346.2	2476.6	2664.1	2750.2	2445.3	2196.0	2055.8	1981.8	1989.5
60°	2027.6	2022.2	2118.3	2304.3	2568.8	2687.7	2308.9	2004.7	1841.6	1766.1	1769.9
62.5°	1325.6	1328.6	1411.7	1606.1	1811.9	1923.9	1612.9	1386.5	1255.4	1209.7	1198.3
65°	553.4	543.5	594.6	702.8	826.3	888.8	763.8	646.4	565.6	535.1	543.5
67.5°	142.5	138.7	141.8	177.6	217.2	256.9	215.7	164.6	143.3	144.8	144.8
70°	80.8	76.2	61.7	57.2	55.6	55.6	55.6	55.6	64.0	75.5	77.7
72.5°	61.0	57.2	45.0	38.9	34.3	32.0	33.5	38.9	46.5	56.4	57.9
75°	30.5	30.5	27.4	25.9	22.9	21.3	22.1	24.4	28.2	32.0	31.3
77.5°	6.1	6.9	7.6	9.1	7.6	7.6	7.6	9.1	9.1	9.9	9.1
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)