

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: P632568

Luminaire Tested: GWS-SA2D-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254.9 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

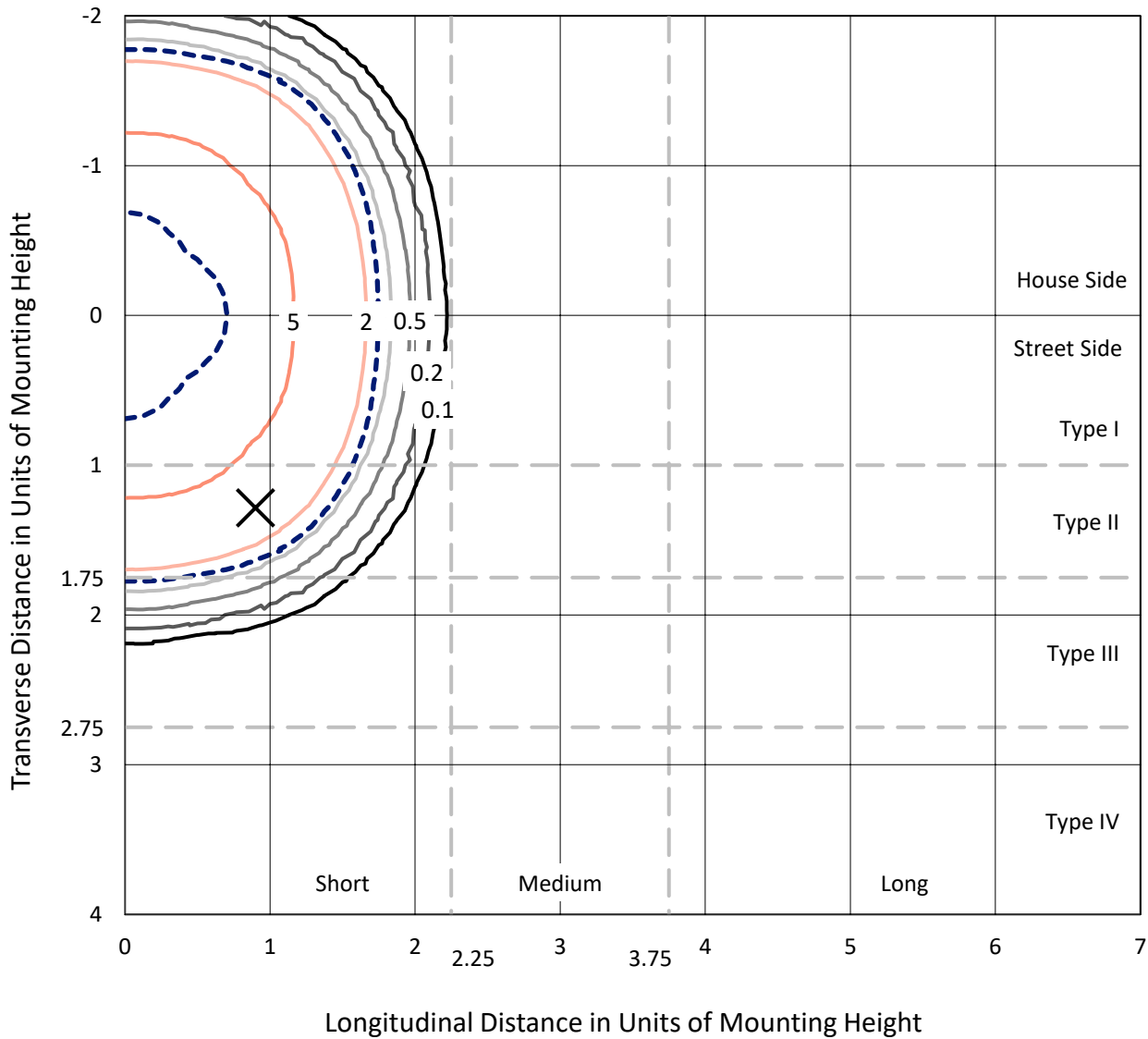
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

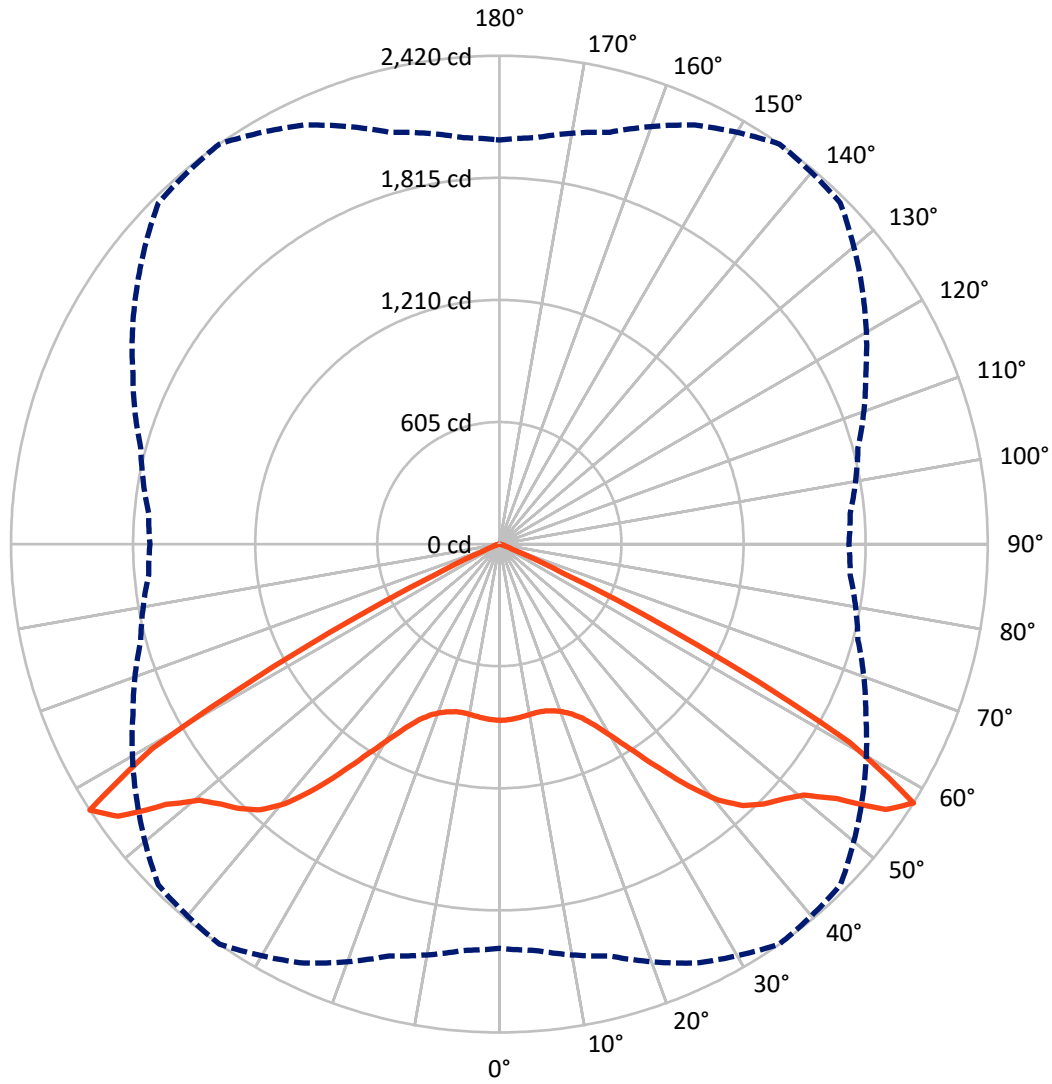
✕ Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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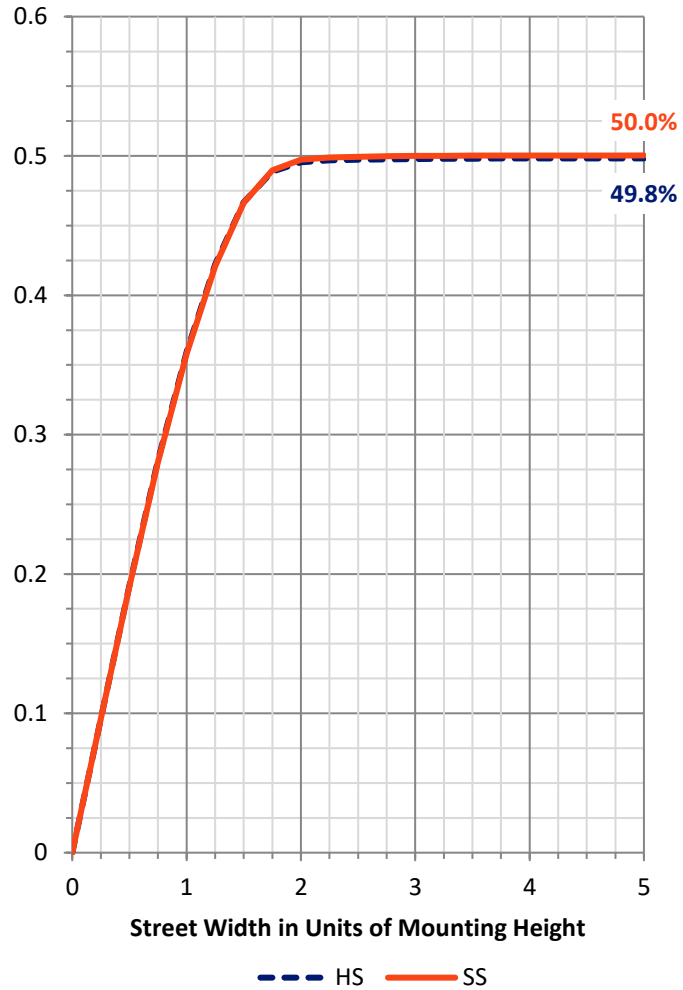
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2627.4	0.0	2627.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2627.4	0.0	2627.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5254.9	0.0	5254.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	1.6
10°-20°	242.1	4.6
20°-30°	437.7	8.3
30°-40°	816.5	15.5
40°-50°	1369.7	26.1
50°-60°	1808.8	34.4
60°-70°	480.4	9.1
70°-80°	17.0	0.3
80°-90°	0.3	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°	5254.9	100.0
0°-180°	5254.9	100.0

Coefficient of Utilization



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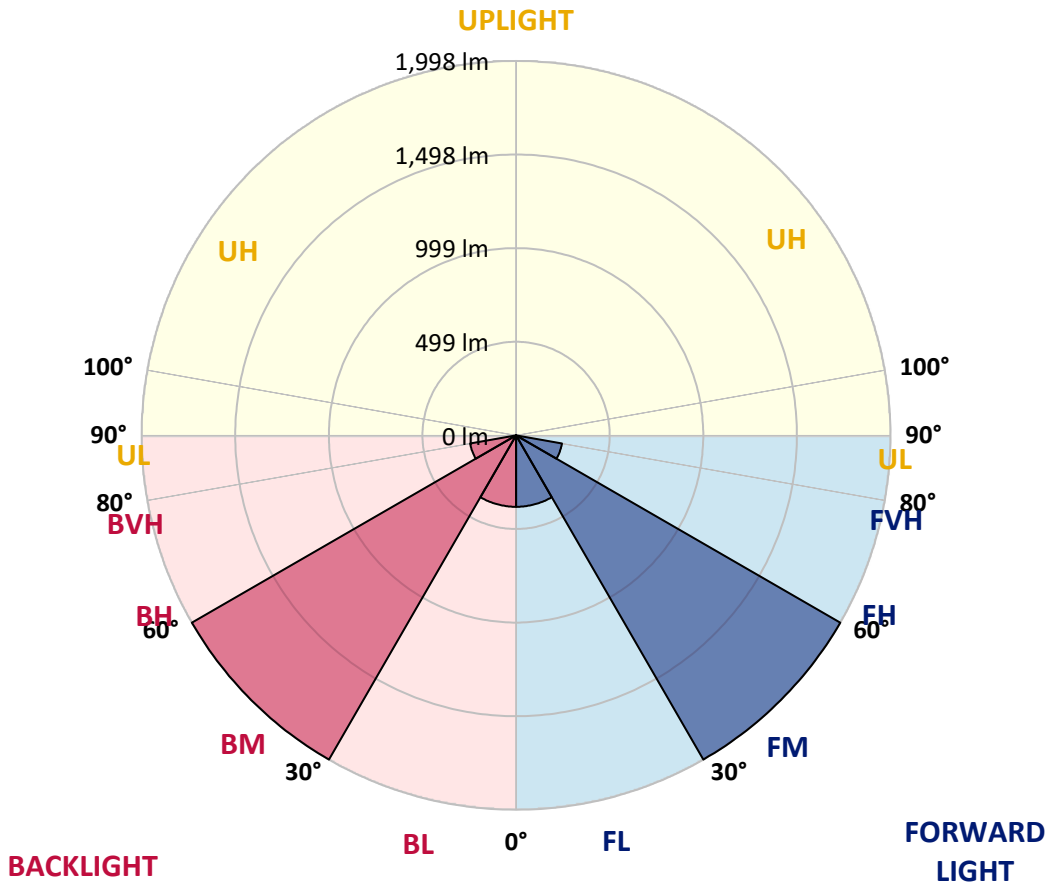
CATALOG NUMBER: GWS-SA2D-722-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.1	7.3			
FM (30°-60°)	1997.5	38.0			
FH (60°-80°)	248.7	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	381.1	7.3	B1/500		
BM (30°-60°)	1997.5	38.0	B2/2500		
BH (60°-80°)	248.7	4.7	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°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	867.5	866.9	869.4	871.2	871.2	875.5	874.3	873.1	871.8	870.0	874.3
5°	866.3	865.7	867.5	868.7	867.5	871.2	868.7	866.3	865.0	862.6	867.5
7.5°	860.7	861.3	862.6	863.8	862.0	865.0	862.0	858.3	855.2	852.7	857.0
10°	852.1	852.7	853.9	856.4	857.0	861.3	857.0	850.2	845.9	842.2	846.5
12.5°	847.8	848.4	850.2	853.3	853.9	859.5	853.9	844.1	837.9	833.6	837.9
15°	849.0	850.2	852.7	856.4	857.6	863.2	855.8	842.8	834.2	828.7	832.4
17.5°	853.3	854.6	858.3	864.4	868.7	874.3	865.0	848.4	836.7	828.7	832.4
20°	858.9	860.7	866.9	876.8	886.0	895.9	884.2	861.3	845.9	836.1	839.1
22.5°	874.3	876.1	884.8	897.7	913.1	925.5	911.3	882.3	861.3	848.4	851.5
25°	905.7	907.6	918.7	935.3	955.1	971.1	953.2	916.8	889.7	874.9	876.1
27.5°	955.1	956.9	969.9	993.3	1019.8	1042.6	1016.7	974.2	943.3	926.1	926.1
30°	1017.3	1019.8	1037.1	1068.5	1109.8	1140.0	1104.9	1053.1	1013.6	990.2	990.8
32.5°	1097.5	1095.0	1119.7	1162.8	1221.4	1261.5	1209.7	1146.8	1098.1	1065.4	1068.5
35°	1200.5	1199.8	1227.6	1286.2	1362.6	1410.7	1349.0	1267.7	1209.1	1175.8	1176.4
37.5°	1333.0	1332.4	1364.5	1428.0	1519.8	1559.9	1490.9	1408.2	1345.3	1313.3	1317.0
40°	1488.4	1484.7	1513.1	1574.1	1666.0	1691.9	1616.6	1550.0	1489.6	1469.3	1479.1
42.5°	1636.4	1628.4	1645.0	1700.5	1771.4	1775.1	1718.4	1672.7	1631.4	1615.4	1621.6
45°	1755.4	1749.2	1764.6	1796.7	1837.4	1818.9	1791.7	1777.6	1744.3	1727.0	1732.6
47.5°	1844.1	1844.1	1862.6	1882.4	1888.5	1854.6	1858.9	1858.9	1825.7	1798.5	1791.7
50°	1920.6	1926.2	1953.9	1974.2	1953.9	1910.7	1935.4	1930.5	1862.6	1808.4	1794.2
52.5°	2042.7	2048.2	2090.8	2118.5	2095.7	2053.2	2056.2	1994.6	1894.7	1830.6	1808.4
55°	2172.2	2185.7	2247.4	2321.4	2322.0	2278.2	2196.8	2087.7	1966.2	1896.6	1873.7
57.5°	2002.6	2021.1	2113.0	2291.2	2420.0	2389.8	2195.6	2003.8	1839.8	1744.9	1731.9
60°	1378.0	1410.1	1502.0	1745.5	1994.0	2005.7	1776.3	1561.1	1373.1	1255.9	1258.4
62.5°	582.0	614.7	666.5	866.9	1095.0	1109.2	998.2	844.1	690.6	606.1	619.0
65°	136.9	146.1	161.5	239.8	347.7	363.8	335.4	261.4	193.0	163.4	166.5
67.5°	59.8	61.0	58.0	61.7	76.5	78.3	75.8	66.6	62.9	64.1	64.1
70°	41.9	42.5	40.1	38.2	36.4	33.9	35.1	38.8	41.9	44.4	43.8
72.5°	25.9	26.5	27.1	27.1	25.3	22.8	24.0	26.5	27.1	27.7	27.1
75°	12.9	13.6	14.8	15.4	14.8	14.2	14.2	14.8	14.8	14.2	14.2
77.5°	2.5	3.1	4.3	4.9	4.9	4.9	4.9	4.9	5.5	4.9	4.9
80°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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)