

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: P632575

Luminaire Tested: GWS-SA2D-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7263.6 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

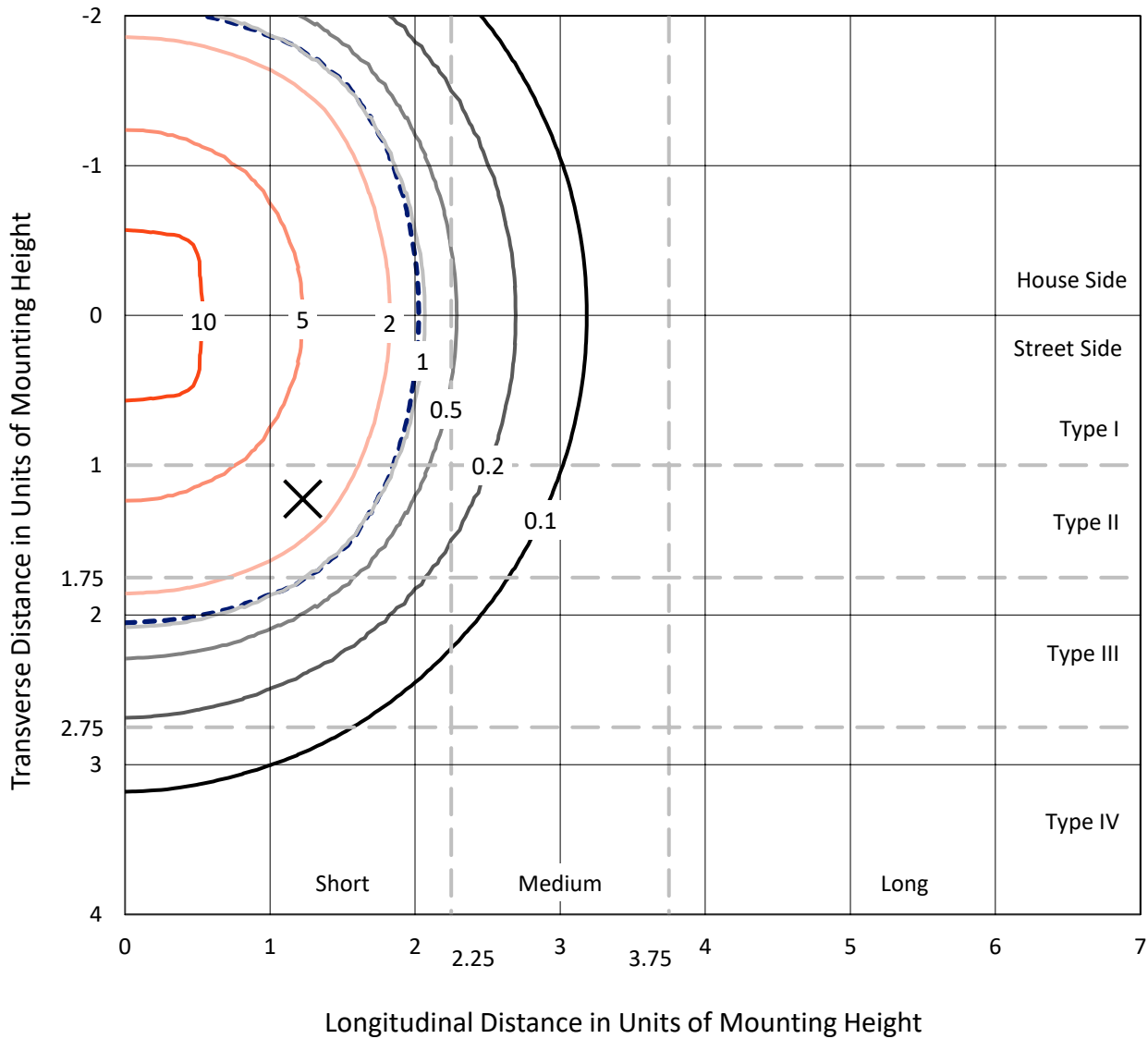
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632575
 CATALOG NUMBER: GWS-SA2D-722-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

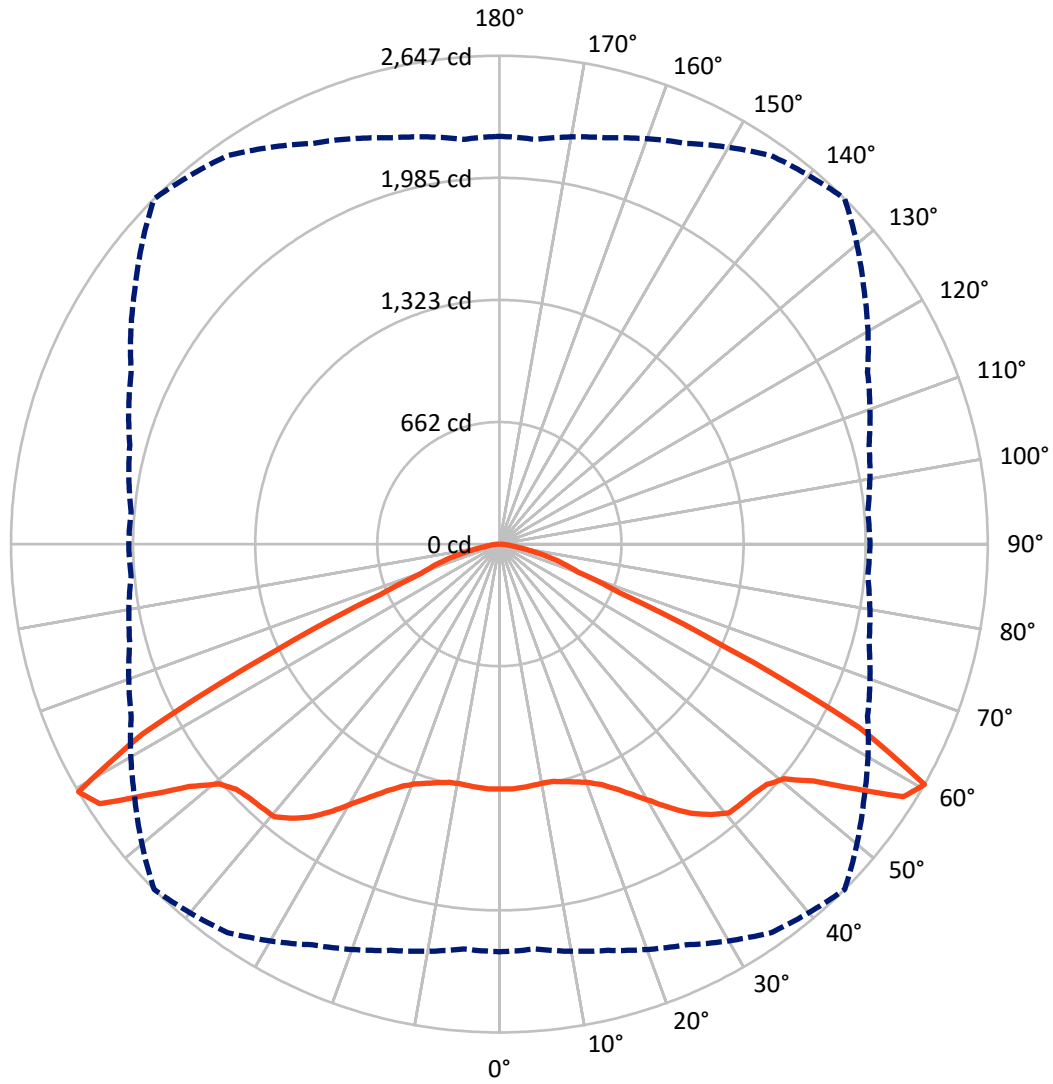
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type V - Short - N/A

REPORT NUMBER: P632575
CATALOG NUMBER: GWS-SA2D-722-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P632575

CATALOG NUMBER: GWS-SA2D-722-U-5WQ-W-GRSWH

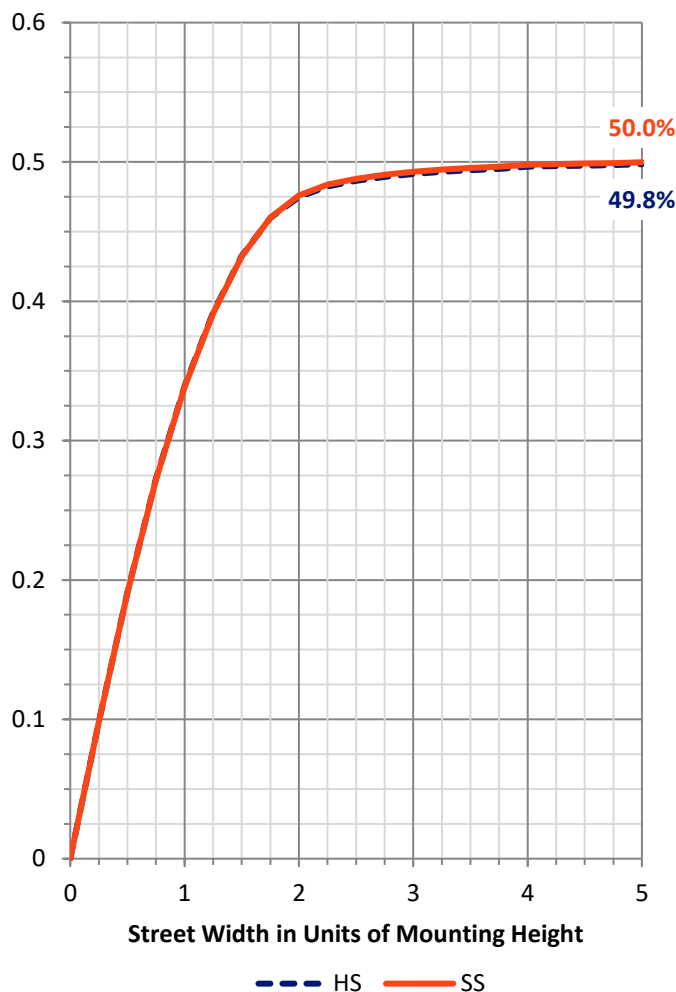
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3631.8	0.0	3631.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3631.8	0.0	3631.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7263.6	0.0	7263.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.7
10°-20°	378.6	5.2
20°-30°	669.9	9.2
30°-40°	1078.5	14.8
40°-50°	1482.4	20.4
50°-60°	1975.5	27.2
60°-70°	1231.2	17.0
70°-80°	283.1	3.9
80°-90°	38.4	0.5
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°	7263.6	100.0
0°-180°	7263.6	100.0

Coefficient of Utilization



REPORT NUMBER: P632575

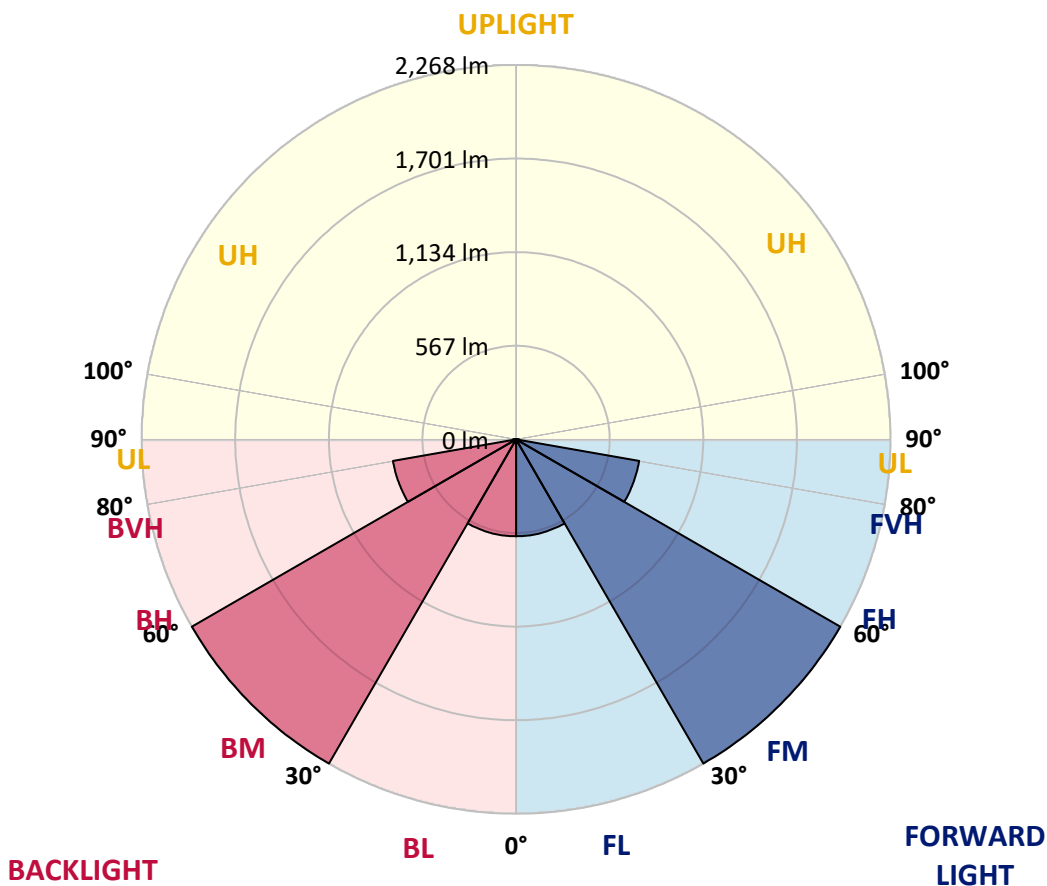
CATALOG NUMBER: GWS-SA2D-722-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	587.2	8.1			
FM (30°-60°)	2268.2	31.2			
FH (60°-80°)	757.2	10.4			G1/1800
FVH (80°-90°)	19.2	0.3			G1/100
BL (0°-30°)	587.2	8.1	B2/1000		
BM (30°-60°)	2268.2	31.2	B2/2500		
BH (60°-80°)	757.2	10.4	B2/1000		G1/1800
BVH (80°-90°)	19.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P632575

CATALOG NUMBER: GWS-SA2D-722-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4	1327.4
2.5°	1318.2	1319.4	1321.9	1323.7	1326.2	1328.6	1329.9	1327.4	1326.2	1321.2	1326.8
5°	1319.4	1320.6	1322.5	1322.5	1323.1	1324.9	1324.9	1321.9	1318.8	1313.2	1319.4
7.5°	1317.5	1318.8	1319.4	1318.8	1319.4	1320.0	1318.8	1315.1	1312.0	1307.1	1312.0
10°	1314.5	1315.7	1316.9	1315.7	1314.5	1316.3	1316.3	1313.8	1312.0	1307.1	1312.6
12.5°	1321.2	1323.1	1323.7	1320.6	1319.4	1320.0	1320.0	1317.5	1317.5	1313.2	1319.4
15°	1337.3	1338.5	1336.7	1333.0	1333.6	1335.4	1331.1	1324.9	1323.7	1321.9	1326.8
17.5°	1349.6	1350.8	1349.0	1346.5	1350.8	1355.2	1347.1	1335.4	1331.7	1330.5	1336.0
20°	1363.2	1365.0	1362.6	1365.6	1374.3	1379.2	1369.3	1353.3	1345.9	1344.1	1350.8
22.5°	1385.4	1387.8	1387.8	1394.6	1407.6	1415.6	1403.2	1381.7	1370.6	1367.5	1374.3
25°	1420.5	1422.4	1424.2	1437.8	1458.7	1469.8	1450.1	1420.5	1405.1	1400.2	1403.9
27.5°	1469.2	1472.3	1475.4	1495.1	1521.0	1537.0	1508.7	1471.7	1452.6	1442.7	1450.1
30°	1527.2	1531.5	1538.9	1561.1	1597.5	1615.3	1579.0	1534.0	1512.4	1501.9	1511.8
32.5°	1606.1	1606.7	1612.3	1636.9	1685.0	1705.4	1659.7	1609.8	1587.6	1575.3	1580.8
35°	1699.8	1700.4	1691.8	1717.1	1768.9	1791.7	1738.0	1687.5	1669.0	1665.3	1679.5
37.5°	1796.0	1790.4	1781.8	1792.9	1845.3	1860.1	1803.4	1760.2	1752.2	1759.0	1780.0
40°	1864.4	1855.2	1837.9	1845.9	1898.9	1916.2	1855.8	1815.1	1812.6	1829.3	1854.6
42.5°	1908.8	1898.9	1878.6	1878.6	1915.0	1922.4	1875.5	1853.9	1859.5	1878.6	1902.6
45°	1930.4	1924.8	1913.1	1907.0	1927.3	1930.4	1894.6	1886.0	1896.5	1905.7	1924.2
47.5°	1947.0	1947.0	1943.3	1937.2	1946.4	1948.3	1921.8	1919.3	1932.9	1932.9	1945.2
50°	1976.6	1979.7	1984.6	1983.4	1993.3	1999.4	1979.7	1976.0	1981.6	1963.7	1969.8
52.5°	2054.3	2062.3	2076.5	2087.6	2112.9	2132.0	2096.9	2067.3	2038.3	1998.8	2000.1
55°	2193.7	2197.4	2225.1	2257.8	2300.3	2339.2	2267.0	2175.2	2112.3	2066.0	2066.6
57.5°	2311.4	2317.0	2357.7	2426.1	2521.7	2582.1	2422.4	2268.9	2180.1	2123.4	2125.2
60°	2209.7	2202.3	2279.4	2396.5	2569.7	2646.8	2411.3	2201.7	2074.0	2003.8	2008.7
62.5°	1709.7	1695.5	1781.2	1903.9	2111.7	2188.7	1971.7	1770.7	1649.9	1595.0	1587.0
65°	1040.7	1027.8	1089.4	1164.6	1305.2	1353.9	1254.7	1148.0	1042.6	1009.3	1000.0
67.5°	566.6	564.8	581.4	618.4	680.0	702.9	683.7	633.2	606.1	582.6	582.6
70°	449.5	445.8	442.7	443.3	448.8	451.9	452.5	450.1	453.2	453.8	451.3
72.5°	372.4	371.2	365.0	365.6	363.1	361.9	366.2	368.7	373.6	374.2	374.2
75°	270.0	267.0	270.0	270.7	268.2	268.2	271.3	270.7	273.1	274.4	267.6
77.5°	153.5	153.5	157.8	162.8	166.5	166.5	169.5	169.5	172.6	172.0	170.8
80°	84.5	84.5	86.9	90.0	93.7	97.4	100.5	101.1	103.0	102.3	100.5
82.5°	48.1	48.7	49.9	51.8	55.5	58.6	61.7	62.3	64.1	64.1	62.3
85°	22.8	22.2	22.8	24.0	25.9	28.4	31.4	33.3	34.5	34.5	33.3
87.5°	4.3	4.9	4.3	4.9	5.5	7.4	8.6	9.9	11.7	12.3	11.1
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)