

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: P634355

Luminaire Tested: GWS-SA3B-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8281.8 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

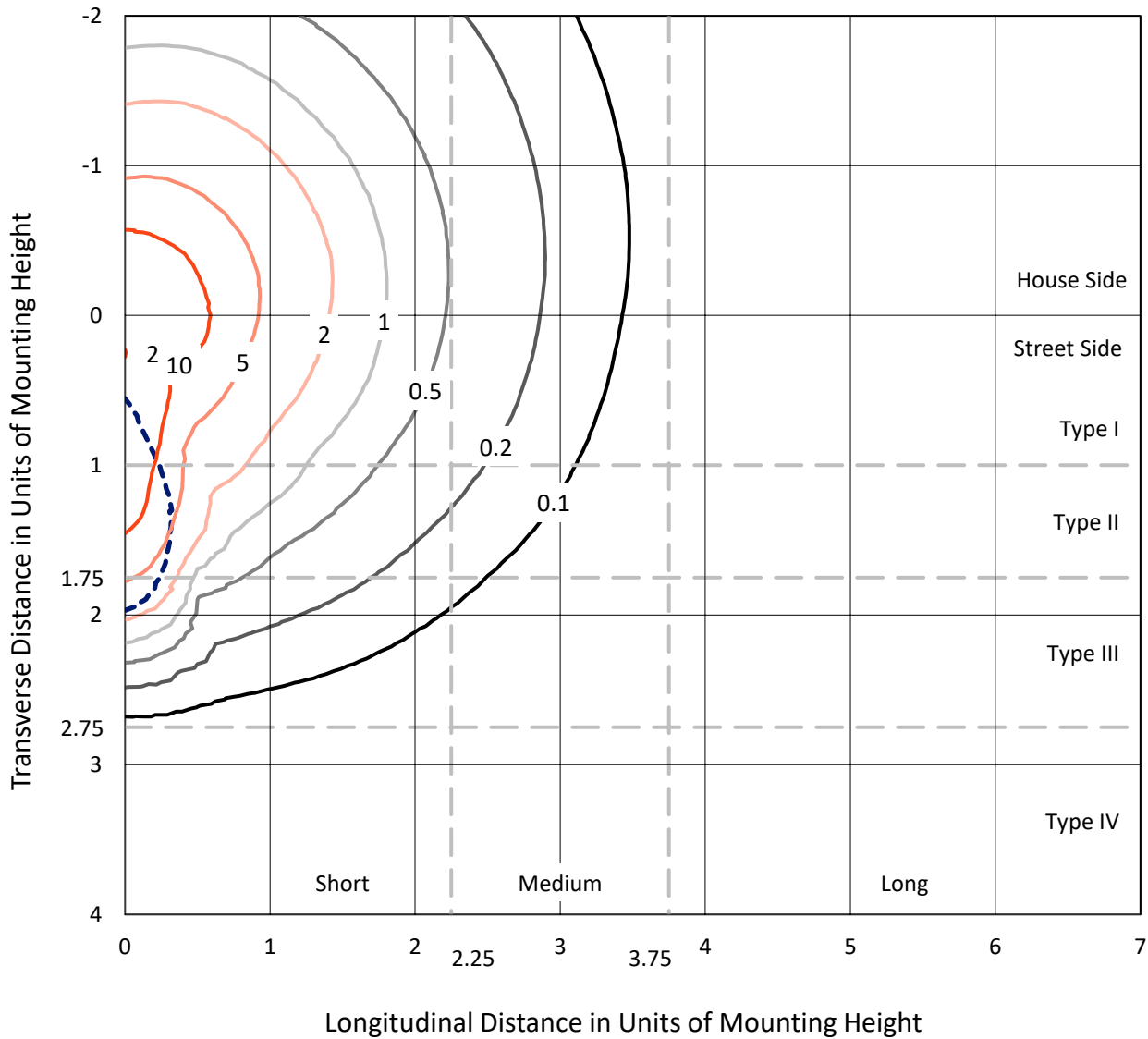
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

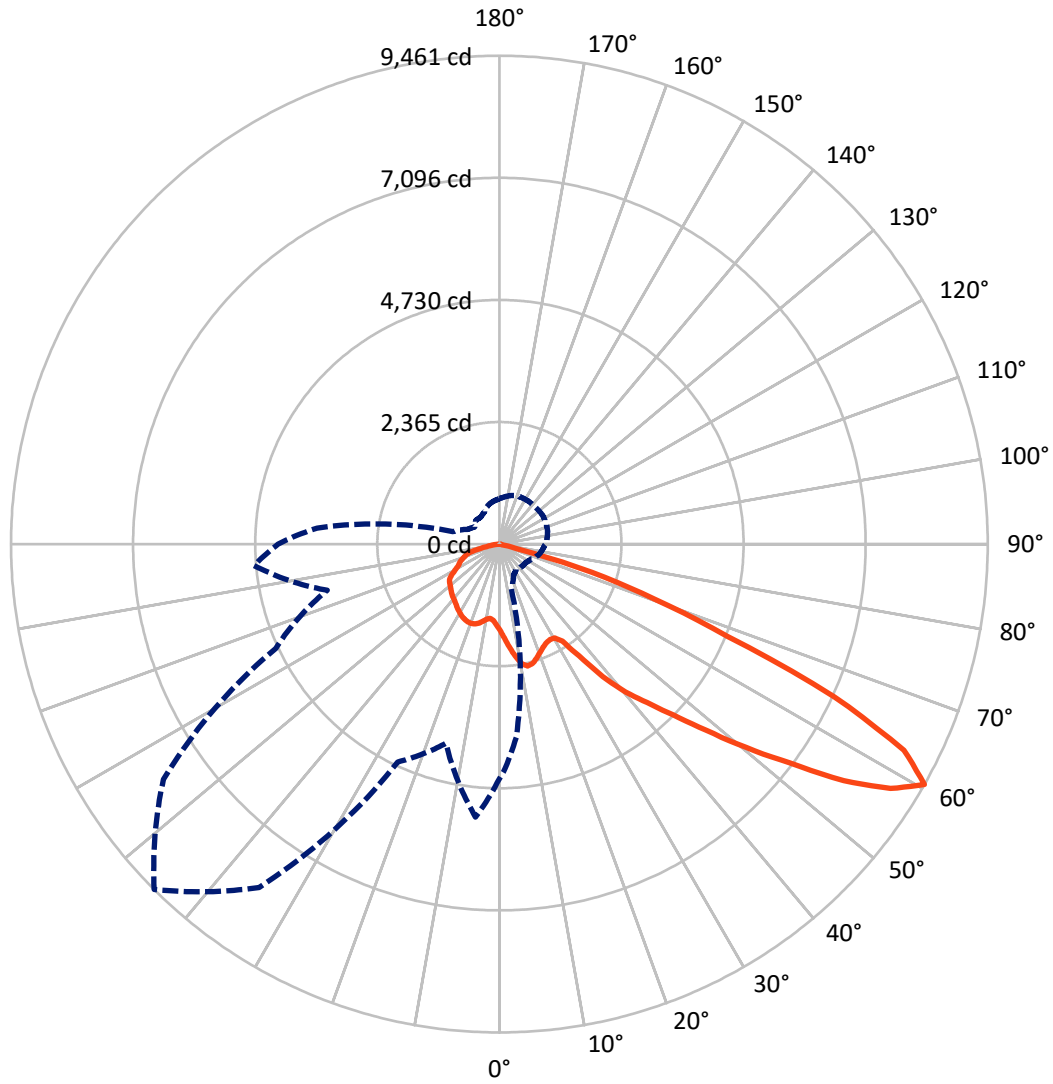
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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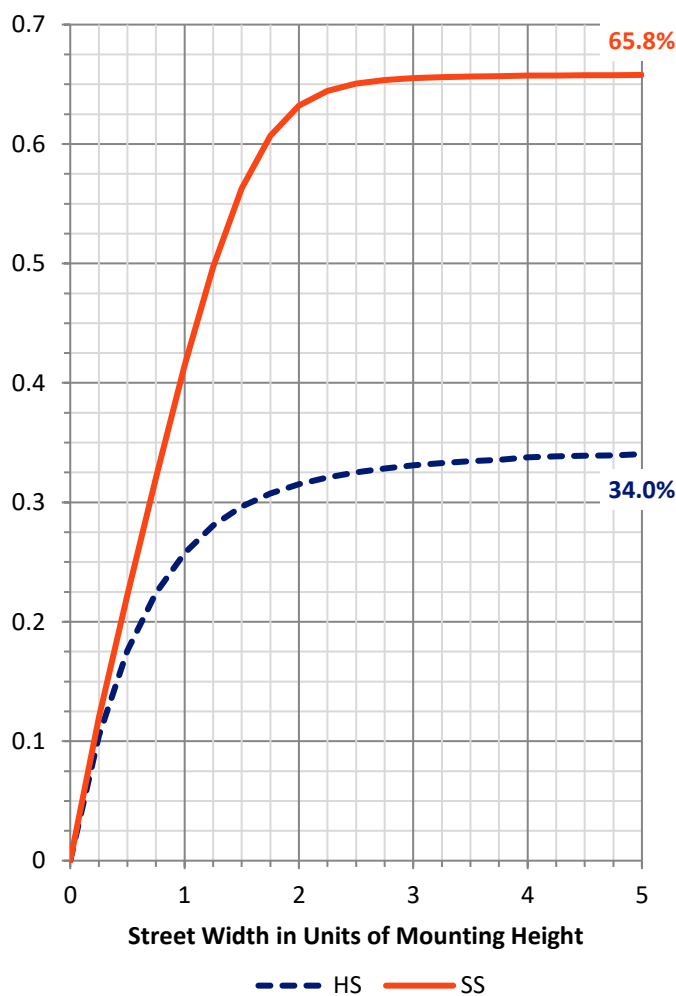
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2833.1	0.0	2833.1
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	5448.7	0.0	5448.7
	% Fixture	65.8	0.0	65.8
Total	Lumens	8281.8	0.0	8281.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	2.0
10°-20°	523.4	6.3
20°-30°	852.5	10.3
30°-40°	1197.5	14.5
40°-50°	1638.7	19.8
50°-60°	2102.4	25.4
60°-70°	1415.7	17.1
70°-80°	353.9	4.3
80°-90°	34.5	0.4
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°	8281.8	100.0
0°-180°	8281.8	100.0

Coefficient of Utilization



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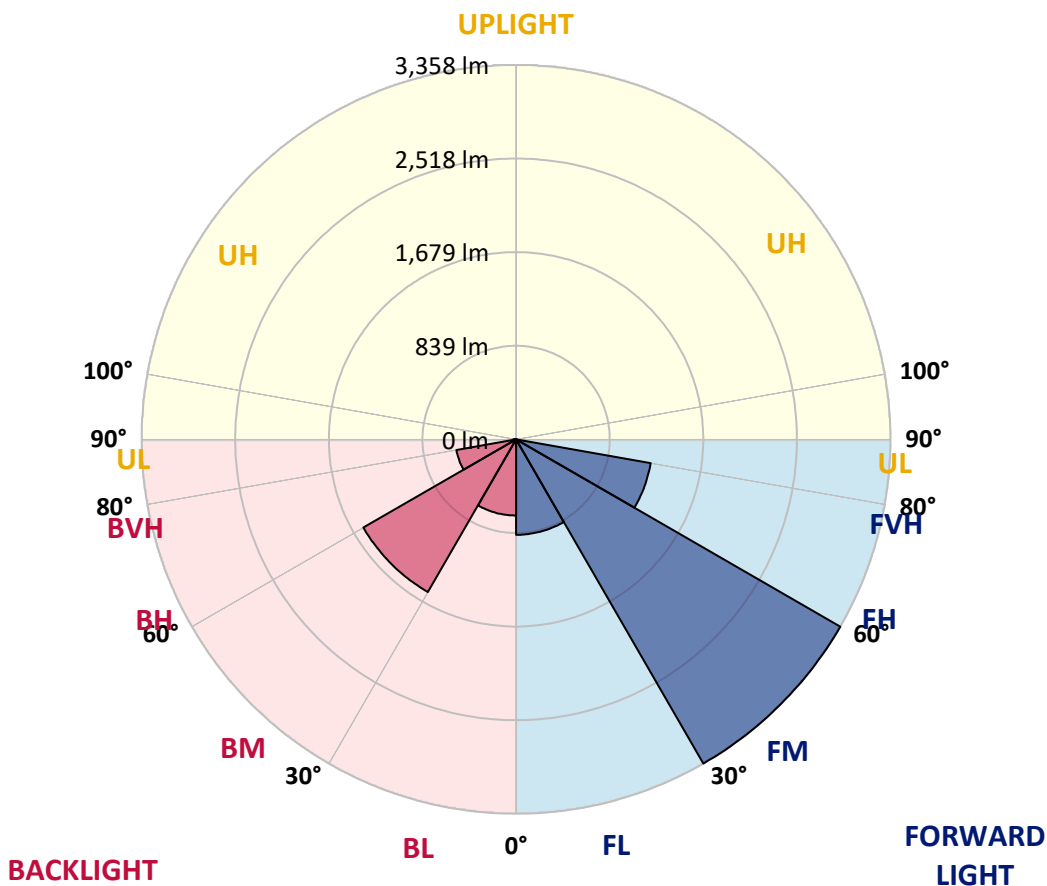
CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.1	10.3			
FM (30°-60°)	3357.5	40.5			
FH (60°-80°)	1226.1	14.8			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	683.0	8.2	B2/1000		
BM (30°-60°)	1581.1	19.1	B2/2500		
BH (60°-80°)	543.5	6.6	B2/1000		G2/1000
BVH (80°-90°)	25.5	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1767.2	1763.4	1759.6	1729.8	1722.2	1700.9	1685.6	1666.5	1639.1	1623.8	1610.9
5°	1877.8	1871.7	1851.1	1790.1	1750.4	1707.0	1671.1	1631.5	1589.5	1562.0	1540.7
7.5°	1982.3	1980.8	1945.7	1845.0	1780.9	1718.4	1669.6	1611.6	1551.4	1510.2	1482.7
10°	2079.2	2067.7	2025.8	1894.6	1810.7	1739.0	1686.4	1622.3	1552.1	1496.5	1459.8
12.5°	2164.6	2150.1	2092.1	1940.4	1836.6	1748.1	1690.9	1638.3	1591.8	1545.3	1503.3
15°	2234.8	2217.2	2158.5	1983.1	1859.5	1742.8	1662.7	1621.5	1637.6	1658.1	1611.6
17.5°	2300.4	2282.1	2210.4	2014.3	1866.4	1710.0	1593.3	1575.8	1656.6	1750.4	1729.1
20°	2355.3	2334.7	2251.5	2029.6	1854.2	1647.5	1503.3	1533.8	1640.6	1752.7	1787.0
22.5°	2414.8	2398.0	2298.1	2051.7	1838.9	1561.3	1427.8	1502.6	1613.1	1711.5	1763.4
25°	2510.1	2489.5	2370.5	2090.6	1831.3	1480.4	1373.7	1472.0	1575.0	1664.2	1704.7
27.5°	2648.2	2610.0	2469.7	2158.5	1839.7	1404.2	1339.3	1434.7	1530.8	1607.0	1639.8
30°	2798.4	2752.6	2579.5	2228.7	1851.9	1357.6	1321.0	1392.0	1462.9	1539.2	1575.0
32.5°	2976.1	2935.7	2697.0	2281.3	1825.9	1336.3	1307.3	1345.4	1401.9	1462.9	1492.6
35°	3188.2	3115.7	2825.1	2324.0	1742.0	1305.0	1295.1	1294.3	1324.1	1383.6	1417.1
37.5°	3416.2	3338.4	2983.0	2369.8	1611.6	1255.4	1266.1	1234.1	1261.5	1308.8	1347.0
40°	3603.1	3521.5	3142.4	2432.3	1448.4	1177.6	1202.0	1167.7	1184.5	1233.3	1276.0
42.5°	3786.1	3699.2	3291.1	2503.2	1290.5	1101.4	1113.6	1100.6	1105.9	1157.0	1216.5
45°	4026.4	3928.8	3474.2	2553.6	1148.7	1041.1	1029.7	1007.5	1035.8	1102.1	1165.4
47.5°	4427.6	4310.9	3773.9	2586.4	1045.7	1006.8	954.2	941.2	976.3	1050.3	1115.9
50°	4896.6	4796.0	4252.9	2584.8	968.7	977.8	880.9	869.5	927.5	1002.2	1071.6
52.5°	5281.1	5178.9	4662.5	2508.6	905.3	916.0	838.2	806.2	885.5	954.9	1024.3
55°	5591.5	5476.3	4850.9	2189.8	825.3	817.6	791.7	733.0	832.9	907.6	972.5
57.5°	5424.4	5287.2	4622.8	1665.0	742.9	694.8	711.6	668.1	761.2	855.0	917.5
60°	4548.1	4424.5	3755.6	886.3	653.6	580.4	615.5	622.4	682.6	791.7	855.8
62.5°	3124.1	3034.1	2545.2	537.7	515.6	466.0	520.9	570.5	615.5	707.8	763.5
65°	1528.5	1501.8	1273.0	344.7	360.8	376.8	431.7	492.0	558.3	639.2	697.9
67.5°	421.0	424.1	385.9	269.2	284.5	328.7	372.2	420.3	486.6	561.4	620.9
70°	185.3	188.4	194.5	207.5	236.4	276.9	321.9	371.4	432.5	495.0	552.2
72.5°	128.9	132.0	141.1	157.9	183.8	222.0	264.7	312.0	375.3	427.9	475.2
75°	79.3	81.6	90.0	104.5	122.0	151.0	193.0	236.4	292.1	340.2	382.1
77.5°	41.9	40.4	45.8	55.7	70.9	86.2	114.4	141.9	181.5	220.4	255.5
80°	22.9	22.1	25.2	30.5	35.1	47.3	66.4	84.7	107.5	129.7	148.7
82.5°	9.9	9.2	9.9	13.0	16.0	22.9	33.6	46.5	59.5	74.7	86.9
85°	0.0	0.0	0.0	0.8	3.8	6.1	11.4	16.8	24.4	33.6	41.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1603.2	1584.2	1582.6	1567.4	1568.9	1569.7	1554.4	1548.3	1553.7	1559.8	1556.7
5°	1533.1	1513.2	1504.8	1490.3	1488.8	1482.0	1475.9	1468.2	1473.6	1478.9	1482.0
7.5°	1472.0	1459.1	1453.7	1449.9	1451.5	1448.4	1436.2	1429.3	1428.6	1430.9	1433.9
10°	1452.2	1441.5	1448.4	1459.1	1466.7	1472.0	1459.1	1447.6	1437.0	1432.4	1432.4
12.5°	1494.9	1481.2	1494.9	1506.4	1521.6	1525.4	1510.9	1498.7	1494.9	1499.5	1508.7
15°	1589.5	1557.5	1556.7	1563.6	1575.8	1581.9	1568.1	1562.0	1562.0	1591.0	1613.9
17.5°	1684.1	1631.5	1609.3	1605.5	1613.1	1615.4	1604.0	1598.7	1612.4	1668.8	1711.5
20°	1750.4	1686.4	1638.3	1629.2	1631.5	1632.2	1623.1	1619.2	1639.1	1707.7	1743.6
22.5°	1743.6	1696.3	1637.6	1626.1	1629.9	1628.4	1620.0	1618.5	1634.5	1694.0	1710.8
25°	1696.3	1659.7	1610.1	1602.5	1608.6	1607.8	1599.4	1595.6	1602.5	1642.1	1643.7
27.5°	1642.1	1610.1	1567.4	1565.1	1575.0	1580.4	1565.9	1554.4	1552.1	1578.8	1572.7
30°	1577.3	1553.7	1519.3	1520.9	1539.2	1542.2	1524.7	1507.9	1503.3	1517.8	1509.4
32.5°	1500.3	1492.6	1474.3	1478.1	1495.7	1501.8	1483.5	1465.9	1460.6	1465.2	1447.6
35°	1434.7	1431.6	1433.1	1440.0	1455.3	1459.8	1444.6	1430.9	1423.2	1407.2	1384.3
37.5°	1366.8	1375.2	1397.3	1410.3	1418.7	1417.1	1408.7	1398.8	1386.6	1356.9	1328.7
40°	1303.5	1324.8	1364.5	1379.0	1382.0	1382.8	1376.7	1368.3	1353.1	1313.4	1281.4
42.5°	1254.7	1278.3	1330.9	1353.1	1354.6	1356.1	1350.0	1343.1	1321.8	1269.2	1237.9
45°	1203.6	1234.8	1296.6	1323.3	1321.8	1321.0	1315.7	1312.6	1287.5	1226.4	1192.1
47.5°	1160.1	1196.7	1263.1	1285.9	1285.2	1284.4	1280.6	1280.6	1255.4	1189.1	1150.2
50°	1117.4	1159.3	1228.7	1247.8	1249.3	1247.8	1246.3	1248.6	1218.8	1147.9	1109.8
52.5°	1070.9	1118.1	1190.6	1208.1	1217.3	1221.1	1221.1	1215.8	1180.7	1106.7	1064.8
55°	1019.8	1064.8	1148.7	1172.3	1179.9	1186.8	1186.8	1176.1	1143.3	1068.6	1023.6
57.5°	956.4	996.1	1062.5	1086.1	1104.4	1109.0	1109.0	1091.4	1064.8	993.1	956.4
60°	887.8	922.1	967.1	992.3	1006.0	996.9	1003.7	999.2	977.8	911.4	880.9
62.5°	796.3	831.4	880.9	906.9	913.0	903.8	913.0	912.2	883.2	823.7	787.1
65°	730.7	765.0	813.8	847.4	857.3	855.0	861.1	852.0	816.1	759.7	724.6
67.5°	652.9	689.5	745.9	783.3	803.9	806.2	814.6	795.5	758.9	697.1	652.9
70°	578.9	610.2	653.6	688.7	717.7	732.2	733.7	706.3	660.5	609.4	577.4
72.5°	501.1	533.1	585.8	623.9	660.5	677.3	677.3	643.7	594.2	537.7	503.4
75°	406.5	436.3	484.3	525.5	567.5	588.8	588.1	559.1	504.2	450.8	414.9
77.5°	275.3	297.5	328.0	359.2	365.3	382.1	390.5	353.9	323.4	294.4	262.4
80°	160.2	173.9	190.7	208.2	212.0	217.4	203.6	189.9	173.9	154.8	140.3
82.5°	93.8	103.0	111.4	125.1	127.4	128.9	116.7	110.6	97.6	86.2	77.0
85°	45.8	48.8	56.4	63.3	60.3	58.7	53.4	47.3	41.9	37.4	32.8
87.5°	9.2	9.2	13.7	13.0	10.7	9.2	5.3	6.9	1.5	1.5	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1566.6	1579.6	1595.6	1617.0	1641.4	1667.3	1692.5	1711.5	1730.6	1758.8	1754.2
5°	1486.5	1508.7	1533.8	1566.6	1606.3	1651.3	1701.6	1752.0	1806.1	1851.9	1871.7
7.5°	1440.0	1464.4	1494.2	1536.9	1588.0	1642.9	1713.8	1795.4	1883.1	1943.4	1980.8
10°	1440.0	1471.3	1510.2	1551.4	1596.4	1652.8	1740.5	1842.7	1955.6	2034.9	2078.4
12.5°	1523.1	1554.4	1562.8	1561.3	1586.5	1649.0	1761.9	1892.3	2027.3	2111.2	2164.6
15°	1652.8	1663.5	1600.2	1542.2	1546.0	1621.5	1771.8	1932.0	2089.1	2189.8	2247.7
17.5°	1739.8	1711.5	1598.7	1497.2	1475.9	1575.0	1771.8	1970.1	2154.7	2268.3	2322.5
20°	1746.6	1676.5	1559.8	1453.7	1398.8	1513.2	1759.6	1999.1	2218.0	2343.8	2401.8
22.5°	1686.4	1617.0	1518.6	1416.4	1335.5	1438.5	1739.8	2021.2	2272.1	2414.8	2486.5
25°	1617.7	1559.8	1476.6	1378.2	1292.0	1363.0	1721.5	2058.6	2347.6	2510.9	2583.3
27.5°	1550.6	1501.8	1426.3	1346.2	1267.6	1297.4	1710.0	2113.5	2437.6	2647.4	2709.9
30°	1485.0	1440.8	1372.1	1315.7	1254.7	1254.7	1700.1	2176.8	2556.6	2800.7	2863.2
32.5°	1418.7	1376.7	1321.0	1285.9	1247.0	1237.9	1672.6	2236.3	2679.4	2968.5	3032.6
35°	1356.9	1314.9	1272.2	1257.7	1243.2	1224.9	1604.8	2282.8	2799.2	3164.5	3219.4
37.5°	1298.9	1258.5	1226.4	1222.6	1224.2	1189.8	1498.0	2321.7	2948.7	3365.1	3394.1
40°	1248.6	1203.6	1178.4	1177.6	1185.3	1133.4	1363.0	2377.4	3119.5	3535.2	3523.0
42.5°	1203.6	1156.3	1125.8	1132.6	1128.1	1077.0	1231.0	2428.5	3268.2	3694.6	3670.2
45°	1159.3	1113.6	1070.9	1080.8	1075.4	1041.9	1118.9	2465.9	3433.0	3886.0	3889.1
47.5°	1116.6	1071.6	1028.9	1016.7	1015.9	1031.2	1032.7	2478.1	3701.5	4194.2	4124.8
50°	1077.0	1032.0	987.7	946.5	962.5	1009.8	968.7	2468.9	4103.4	4534.4	4340.6
52.5°	1035.8	993.1	944.2	870.3	912.2	958.7	911.4	2436.1	4349.0	4834.9	4718.9
55°	988.5	948.1	881.7	791.7	842.8	852.7	852.7	2118.8	4453.5	5132.3	5204.0
57.5°	925.2	871.8	766.5	694.1	739.8	701.7	790.2	1482.7	4281.1	5038.5	5316.9
60°	853.5	796.3	684.9	633.1	646.8	579.7	673.5	929.8	3548.2	4287.2	4769.3
62.5°	758.9	706.3	614.0	573.6	545.3	472.9	542.3	588.1	2432.3	3183.6	3512.3
65°	695.6	637.6	555.3	501.9	443.9	380.6	360.0	385.9	1308.1	1781.7	2003.7
67.5°	620.9	563.6	485.9	418.7	372.2	326.4	290.6	281.4	448.5	593.4	642.2
70°	549.9	495.0	430.2	367.6	321.1	276.1	241.0	215.8	207.5	205.9	202.9
72.5°	477.5	426.4	372.2	314.2	263.1	222.0	190.7	161.7	149.5	145.7	141.9
75°	391.3	350.8	296.7	234.2	193.0	154.8	130.4	111.4	100.7	96.9	92.3
77.5°	251.7	233.4	186.1	151.0	116.7	92.3	79.3	67.1	60.3	58.7	54.9
80°	134.2	125.1	103.0	86.9	69.4	56.4	49.6	42.7	38.9	37.4	35.8
82.5°	74.7	67.9	57.2	50.3	40.4	34.3	30.5	27.5	25.2	24.4	23.6
85°	33.6	29.0	22.9	21.4	19.1	17.5	16.8	15.3	14.5	13.7	13.0
87.5°	1.5	3.1	3.8	3.1	3.1	4.6	5.3	5.3	4.6	4.6	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634355

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1782.5	1805.4	1807.6	1815.3	1805.4	1803.1	1787.0	1777.9	1769.5	1767.2
5°	1921.3	1967.0	1985.4	1998.3	1986.1	1980.0	1944.9	1908.3	1887.7	1877.8
7.5°	2063.9	2132.6	2168.4	2184.4	2185.9	2158.5	2098.2	2029.6	1995.3	1982.3
10°	2191.3	2275.9	2323.2	2353.7	2343.1	2309.5	2227.1	2134.1	2090.6	2079.2
12.5°	2285.9	2366.7	2403.3	2423.2	2422.4	2404.1	2326.3	2225.6	2176.0	2164.6
15°	2346.9	2394.9	2397.2	2401.8	2414.8	2439.2	2398.7	2305.7	2250.8	2234.8
17.5°	2394.9	2375.9	2340.0	2327.8	2356.8	2424.7	2449.1	2373.6	2314.1	2300.4
20°	2425.4	2329.3	2266.0	2242.4	2275.9	2386.5	2479.6	2434.6	2372.8	2355.3
22.5°	2449.1	2285.9	2183.7	2167.6	2202.7	2345.4	2510.9	2507.1	2439.2	2414.8
25°	2486.5	2256.9	2125.7	2114.3	2147.0	2325.5	2552.8	2605.4	2545.2	2510.1
27.5°	2545.2	2253.8	2095.9	2092.1	2137.1	2343.1	2613.1	2749.6	2674.1	2648.2
30°	2626.8	2282.8	2102.8	2110.4	2165.4	2406.4	2706.9	2914.3	2838.8	2798.4
32.5°	2744.3	2360.6	2207.3	2240.1	2280.5	2507.8	2844.2	3092.8	3035.6	2976.1
35°	2899.1	2574.2	2516.2	2655.8	2617.6	2729.8	3009.7	3309.4	3240.0	3188.2
37.5°	3105.8	3012.0	3065.4	3257.6	3165.3	3149.3	3211.8	3506.2	3468.1	3416.2
40°	3395.6	3414.7	3513.1	3765.5	3632.1	3529.1	3459.7	3654.2	3667.1	3603.1
42.5°	3587.8	3675.5	3912.7	4199.5	4015.7	3769.3	3667.1	3843.3	3844.1	3786.1
45°	3659.5	3889.1	4384.9	4715.1	4407.7	3906.6	3781.6	4100.4	4092.7	4026.4
47.5°	3633.6	4069.1	4875.3	5380.2	4911.1	4004.3	3765.5	4466.5	4528.3	4427.6
50°	3579.4	4249.9	5448.1	6194.8	5528.9	4108.0	3741.1	4872.2	4974.4	4896.6
52.5°	3634.3	4451.2	6125.4	7036.8	6303.9	4273.5	3905.9	5393.2	5374.9	5281.1
55°	3808.2	4689.2	6948.4	8094.7	7155.1	4553.4	4329.2	5889.7	5703.6	5591.5
57.5°	3799.9	4859.3	7669.9	8931.4	7895.7	4783.0	4476.4	5942.3	5566.3	5424.4
60°	3449.0	4781.5	7944.5	9460.7	8119.1	4656.4	3992.1	5307.8	4696.8	4548.1
62.5°	2574.2	4243.0	7412.1	8797.9	7486.8	4021.8	3002.1	3809.8	3375.0	3124.1
65°	1646.7	3319.3	6231.4	7127.6	6171.1	3076.0	1787.8	2042.6	1600.2	1528.5
67.5°	700.9	2343.1	4844.0	4763.9	4616.7	1993.0	690.3	575.1	428.6	421.0
70°	231.9	1594.1	2986.0	3177.5	2757.2	1372.9	228.1	193.0	192.2	185.3
72.5°	151.8	855.8	1681.0	1871.7	1774.1	790.2	138.1	128.9	132.0	128.9
75°	90.8	186.1	283.0	367.6	283.0	132.7	83.1	81.6	83.1	79.3
77.5°	53.4	51.9	50.3	50.3	49.6	45.8	41.9	40.4	41.2	41.9
80°	34.3	32.8	31.3	30.5	26.7	25.2	23.6	22.1	22.1	22.9
82.5°	22.1	20.6	19.1	16.8	13.7	11.4	10.7	9.2	9.2	9.9
85°	11.4	9.2	6.9	5.3	3.1	1.5	0.0	0.0	0.0	0.0
87.5°	2.3	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

(END OF REPORT)