

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: P634359

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 8324.5 lumens
Efficiency: N/A
Efficacy: 121.9 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

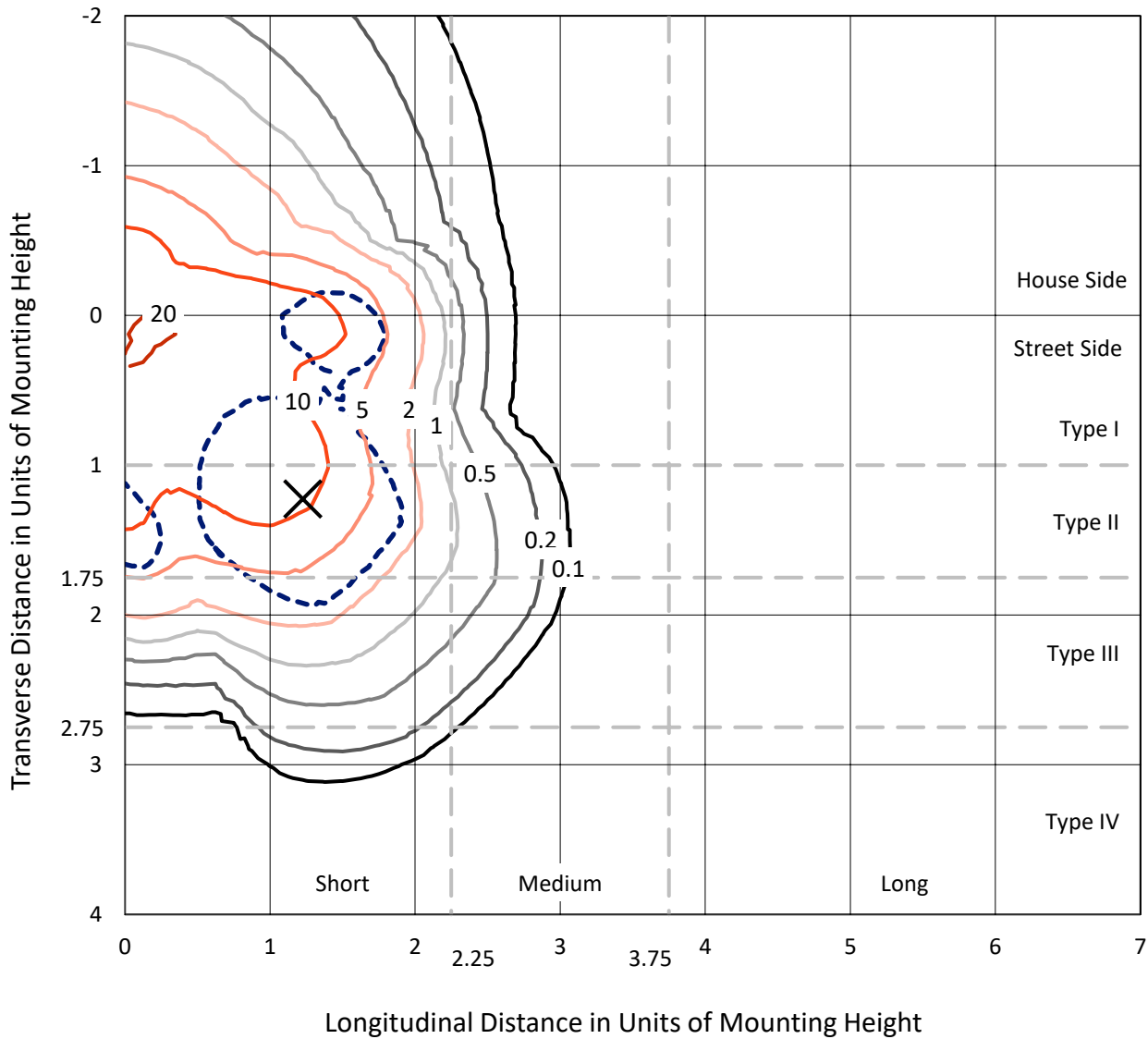
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

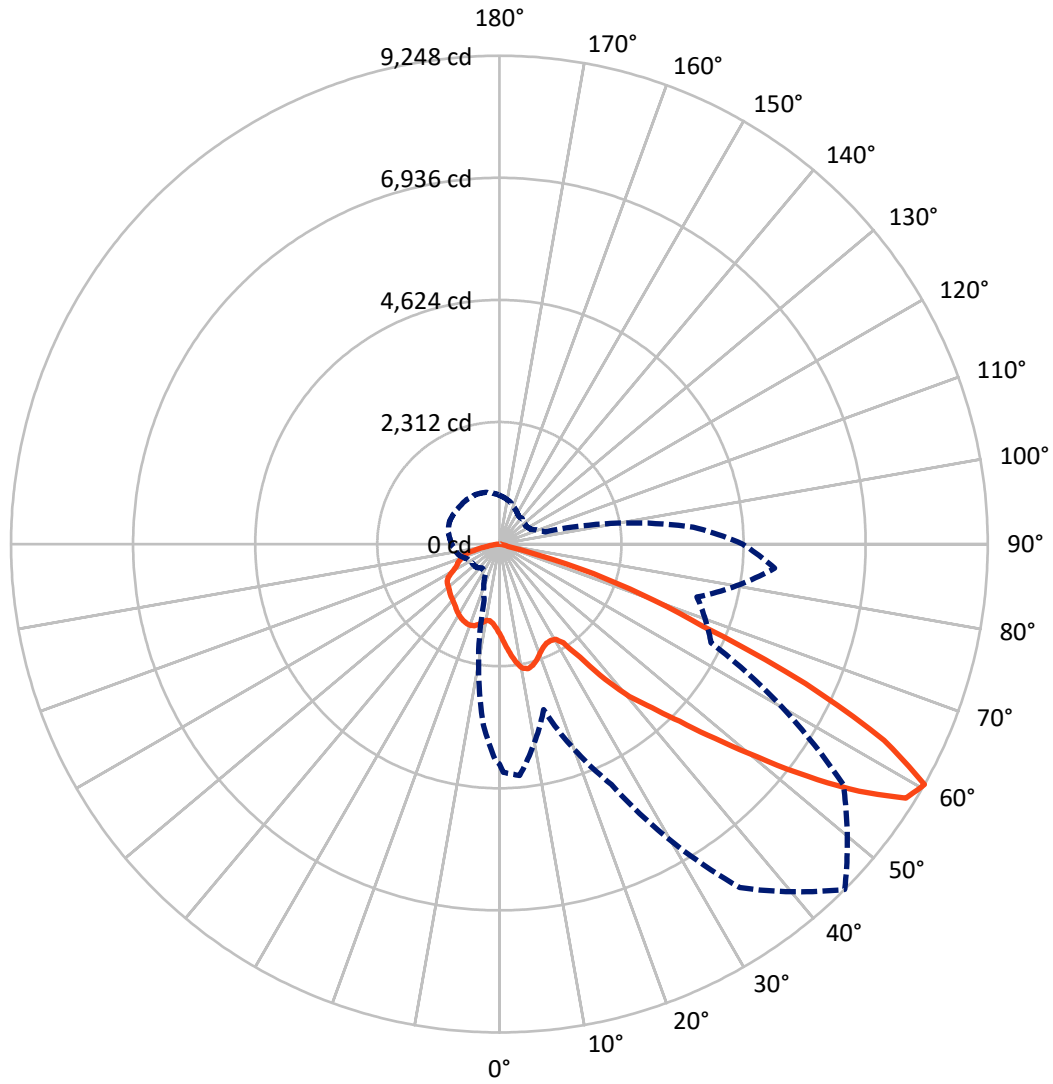
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2918.0	0.0	2918.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5406.5	0.0	5406.5
	% Fixture	64.9	0.0	64.9
Total	Lumens	8324.5	0.0	8324.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	2.0
10°-20°	527.2	6.3
20°-30°	856.4	10.3
30°-40°	1207.8	14.5
40°-50°	1669.2	20.1
50°-60°	2148.7	25.8
60°-70°	1361.5	16.4
70°-80°	349.4	4.2
80°-90°	37.4	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°	8324.5	100.0
0°-180°	8324.5	100.0

Coefficient of Utilization



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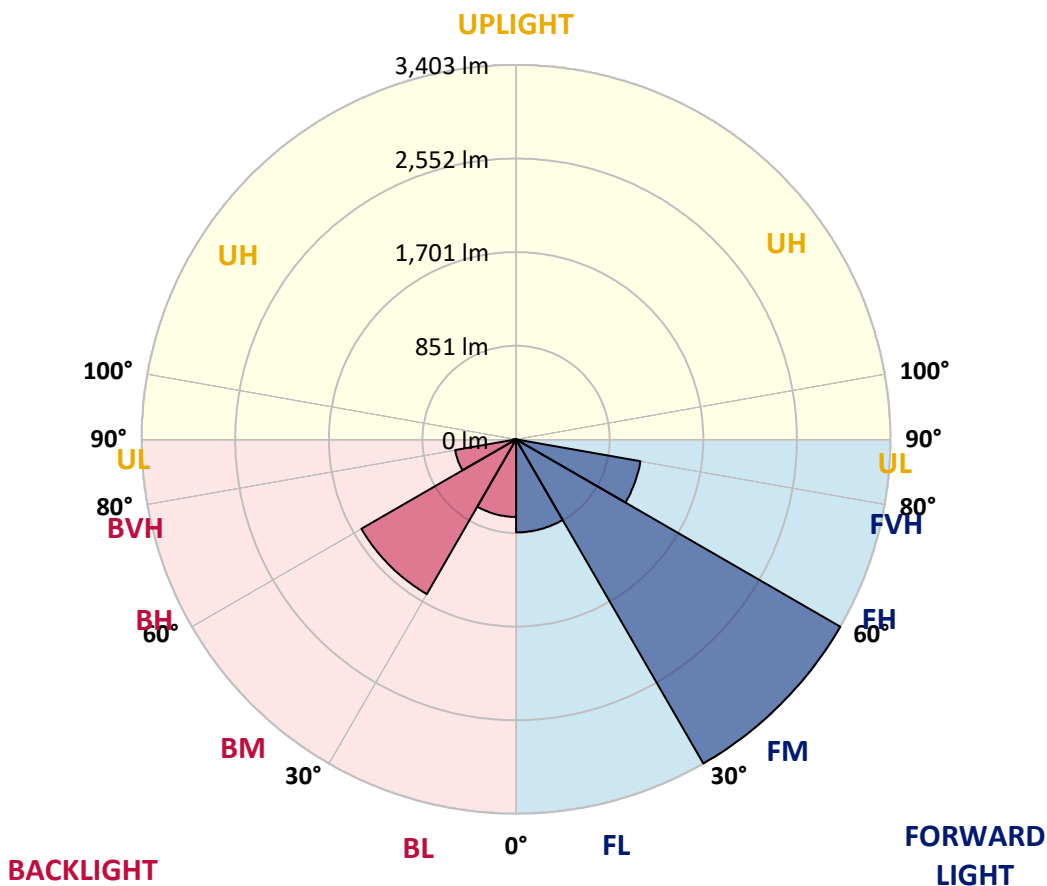
CATALOG NUMBER: GWS-SA3B-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.3	10.2			
FM (30°-60°)	3402.6	40.9			
FH (60°-80°)	1148.5	13.8			G1/1800
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	705.3	8.5	B2/1000		
BM (30°-60°)	1623.2	19.5	B2/2500		
BH (60°-80°)	562.3	6.8	B2/1000		G2/1000
BVH (80°-90°)	27.2	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1788.7	1800.9	1808.5	1823.0	1848.9	1863.4	1879.4	1861.9	1866.5	1864.2	1836.0
5°	1894.7	1909.2	1929.0	1971.7	2019.8	2046.5	2071.6	2067.8	2044.2	2004.5	1976.3
7.5°	1993.8	2010.6	2044.9	2114.4	2185.3	2226.5	2257.0	2237.2	2217.3	2154.8	2083.8
10°	2071.6	2081.6	2128.1	2221.1	2303.5	2350.0	2387.4	2382.8	2355.4	2285.2	2189.9
12.5°	2144.9	2151.7	2202.1	2295.1	2369.1	2389.7	2420.2	2430.1	2421.0	2368.4	2274.5
15°	2223.4	2236.4	2282.9	2353.9	2387.4	2366.1	2376.7	2404.2	2430.1	2430.1	2343.9
17.5°	2296.7	2308.1	2355.4	2385.9	2353.9	2297.4	2300.5	2335.6	2397.3	2462.2	2407.3
20°	2361.5	2372.2	2418.7	2389.7	2288.3	2205.9	2203.6	2246.3	2346.2	2482.8	2475.1
22.5°	2432.4	2447.7	2486.6	2392.8	2227.2	2122.7	2122.0	2166.2	2301.2	2503.4	2552.9
25°	2533.1	2556.8	2576.6	2419.5	2194.4	2068.6	2078.5	2120.5	2286.7	2536.9	2668.1
27.5°	2682.6	2701.7	2700.2	2475.1	2192.9	2046.5	2067.1	2115.9	2312.7	2596.4	2789.4
30°	2844.3	2854.2	2838.2	2552.9	2228.0	2060.2	2090.7	2148.7	2378.3	2694.8	2967.9
32.5°	3023.6	3035.8	3005.3	2669.6	2309.6	2161.6	2228.8	2257.0	2470.6	2836.7	3157.0
35°	3229.5	3253.1	3189.8	2823.7	2549.9	2531.6	2629.2	2592.6	2666.6	3004.5	3359.2
37.5°	3446.1	3446.9	3356.1	3051.8	3021.3	3052.5	3247.8	3133.4	3082.3	3191.4	3565.1
40°	3630.0	3625.4	3485.8	3359.2	3431.6	3556.0	3791.7	3616.2	3482.0	3442.3	3736.0
42.5°	3813.8	3797.0	3655.9	3554.4	3714.6	3970.1	4236.3	4021.2	3738.3	3670.4	3904.5
45°	4048.7	4043.4	3873.3	3632.2	3970.1	4433.9	4787.0	4438.5	3890.0	3803.1	4185.2
47.5°	4427.8	4401.9	4085.3	3626.1	4209.6	5051.7	5497.9	4964.0	3996.1	3806.1	4638.3
50°	4798.5	4766.5	4338.5	3625.4	4456.8	5692.4	6337.0	5602.4	4104.4	3824.5	5099.0
52.5°	5173.0	5173.0	4754.3	3711.6	4716.1	6407.9	7306.4	6398.0	4289.0	4064.0	5665.7
55°	5395.7	5455.2	5221.8	3857.3	5019.7	7250.0	8265.2	7256.8	4574.2	4496.4	6189.0
57.5°	5112.7	5224.1	5190.5	3755.8	5198.9	7868.6	9078.3	7908.2	4715.4	4547.5	6110.4
60°	4166.2	4321.0	4398.0	3243.2	5022.0	7940.3	9248.4	7951.0	4424.0	3872.5	5234.0
62.5°	2769.6	2896.9	3014.4	2317.2	4347.7	7143.2	8179.8	7145.5	3694.8	2890.1	3626.1
65°	1358.5	1453.0	1579.7	1369.9	3396.5	5968.6	6377.4	5774.1	2672.7	1617.8	1849.7
67.5°	355.4	382.1	399.7	531.6	2433.2	4288.2	4159.3	4223.4	1717.0	528.6	483.6
70°	184.6	186.1	185.3	219.7	1644.5	2725.3	2866.4	2652.1	1198.3	221.2	190.7
72.5°	132.0	132.7	130.4	148.0	794.0	1561.4	1617.8	1600.3	627.7	131.2	130.4
75°	86.2	87.0	85.4	87.0	119.8	177.7	164.0	172.4	104.5	83.1	83.1
77.5°	51.1	51.9	51.1	52.6	51.1	51.1	47.3	47.3	45.0	45.0	45.8
80°	34.3	34.3	33.6	35.1	32.0	32.0	30.5	29.7	27.5	26.7	26.7
82.5°	20.6	21.4	20.6	20.6	19.1	19.1	17.5	16.8	14.5	14.5	13.7
85°	10.7	10.7	9.9	9.9	8.4	7.6	6.1	6.1	4.6	3.8	3.8
87.5°	1.5	1.5	0.8	0.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1828.3	1813.1	1790.2	1768.1	1747.5	1726.1	1701.7	1676.5	1655.2	1633.1	1621.6
5°	1938.9	1907.6	1848.2	1795.5	1748.2	1709.3	1667.4	1631.5	1598.0	1570.5	1556.8
7.5°	2038.8	1990.0	1900.0	1816.9	1752.8	1699.4	1641.4	1588.1	1543.1	1509.5	1496.5
10°	2131.1	2073.2	1954.9	1849.7	1774.9	1715.4	1644.5	1572.0	1512.5	1468.3	1457.6
12.5°	2205.9	2139.5	1998.4	1876.4	1787.9	1723.8	1661.3	1598.7	1540.0	1482.8	1473.6
15°	2272.2	2193.7	2031.2	1893.2	1783.3	1701.7	1649.1	1641.4	1641.4	1576.6	1558.3
17.5°	2329.5	2243.3	2057.9	1900.8	1754.3	1636.1	1604.1	1670.4	1745.2	1698.7	1657.5
20°	2395.1	2290.6	2080.0	1900.8	1700.9	1553.0	1549.9	1662.8	1773.4	1774.2	1730.7
22.5°	2461.4	2345.5	2106.0	1893.9	1627.7	1456.9	1513.3	1632.3	1730.7	1772.6	1742.9
25°	2569.0	2421.7	2147.2	1888.6	1542.3	1391.3	1480.5	1591.9	1675.0	1719.2	1700.2
27.5°	2705.5	2522.4	2209.7	1897.0	1457.6	1352.4	1445.4	1539.2	1614.8	1653.7	1639.9
30°	2858.0	2638.4	2276.8	1911.5	1396.6	1332.5	1403.5	1479.0	1546.1	1585.0	1578.9
32.5°	3052.5	2764.2	2334.8	1891.6	1362.3	1322.6	1359.2	1413.4	1478.2	1502.6	1508.0
35°	3285.2	2903.0	2379.0	1813.8	1331.0	1311.9	1311.2	1344.7	1390.5	1429.4	1433.2
37.5°	3499.5	3065.5	2427.8	1680.3	1274.6	1285.2	1254.7	1274.6	1319.6	1358.5	1373.7
40°	3711.6	3230.3	2495.7	1510.3	1200.6	1225.7	1189.9	1203.6	1239.5	1290.6	1315.0
42.5°	3917.5	3379.0	2567.4	1336.3	1126.6	1142.6	1115.9	1129.6	1167.0	1231.1	1258.5
45°	4141.8	3580.4	2623.1	1172.4	1062.5	1055.7	1034.3	1054.1	1110.6	1180.7	1213.5
47.5°	4565.9	3897.7	2659.7	1063.3	1028.2	978.6	954.2	996.9	1061.0	1131.9	1171.6
50°	5083.8	4356.9	2649.0	993.9	998.4	899.3	890.9	947.3	1016.0	1090.0	1133.5
52.5°	5494.1	4807.6	2527.8	927.5	940.5	848.9	824.5	906.9	972.5	1048.0	1093.0
55°	5807.6	4959.4	2155.5	848.9	845.9	812.3	761.2	865.0	929.0	999.2	1048.0
57.5°	5552.1	4621.5	1598.0	740.6	722.3	739.9	690.3	794.0	875.6	945.1	988.5
60°	4607.8	3684.9	890.1	656.0	604.1	646.8	639.2	719.3	817.7	890.9	928.3
62.5°	3128.1	2453.8	527.8	518.7	489.7	550.7	591.1	643.8	740.6	800.1	835.2
65°	1559.1	1192.2	350.9	388.2	392.1	453.1	529.4	587.3	668.2	729.2	764.3
67.5°	452.3	370.7	267.0	296.7	337.9	386.7	447.7	516.4	594.9	667.4	708.6
70°	195.3	197.6	212.0	247.1	287.6	337.9	398.9	466.0	532.4	588.1	619.4
72.5°	138.1	143.4	159.4	195.3	233.4	281.5	342.5	407.3	455.4	511.8	544.6
75°	88.5	92.3	105.3	132.7	160.9	207.5	265.4	324.9	374.5	414.9	446.2
77.5°	48.8	49.6	60.3	76.3	95.3	125.1	167.8	214.3	250.9	273.8	302.1
80°	28.2	28.2	33.6	43.5	54.9	73.2	96.9	119.8	141.9	156.4	170.1
82.5°	15.3	15.3	17.5	23.6	29.7	40.4	54.2	65.6	79.3	87.0	96.1
85°	4.6	4.6	6.1	8.4	10.7	15.3	21.4	27.5	33.6	38.9	44.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1619.3	1608.6	1602.5	1594.9	1597.2	1590.3	1586.5	1588.8	1575.1	1588.8	1602.5
5°	1551.4	1536.2	1524.0	1514.1	1509.5	1500.3	1495.0	1495.0	1486.6	1500.3	1517.1
7.5°	1491.9	1479.7	1473.6	1467.5	1460.7	1452.3	1443.1	1440.1	1434.7	1449.2	1463.7
10°	1452.3	1453.8	1457.6	1466.0	1464.5	1459.1	1445.4	1437.8	1437.8	1454.6	1476.7
12.5°	1470.6	1486.6	1495.8	1511.0	1514.1	1509.5	1495.8	1489.7	1504.9	1530.1	1566.7
15°	1541.5	1552.2	1559.8	1572.0	1571.3	1567.5	1556.8	1561.4	1611.7	1660.5	1693.3
17.5°	1618.6	1606.4	1604.8	1612.5	1614.8	1610.2	1604.1	1624.7	1707.8	1753.6	1770.4
20°	1674.2	1632.3	1623.1	1626.2	1632.3	1630.0	1630.0	1663.6	1749.8	1771.1	1749.8
22.5°	1691.0	1631.5	1617.8	1618.6	1627.0	1627.7	1631.5	1666.6	1717.0	1717.7	1684.9
25°	1664.3	1607.1	1597.2	1598.7	1608.6	1607.9	1609.4	1629.2	1651.4	1642.2	1617.8
27.5°	1614.0	1564.4	1561.4	1569.7	1582.7	1575.9	1571.3	1576.6	1587.3	1575.9	1554.5
30°	1556.8	1514.8	1516.4	1532.4	1546.1	1534.7	1523.2	1526.3	1527.0	1514.8	1490.4
32.5°	1496.5	1465.3	1470.6	1487.4	1503.4	1491.2	1479.0	1477.5	1463.0	1448.5	1424.8
35°	1436.3	1424.1	1430.9	1444.7	1458.4	1448.5	1440.8	1436.3	1405.0	1383.6	1363.8
37.5°	1381.3	1390.5	1402.7	1411.1	1415.7	1414.9	1410.3	1399.7	1358.5	1333.3	1307.4
40°	1332.5	1360.8	1373.7	1377.5	1384.4	1382.9	1382.1	1366.9	1312.7	1286.0	1256.3
42.5°	1288.3	1328.0	1350.1	1353.9	1357.7	1358.5	1356.2	1334.1	1272.3	1241.0	1212.8
45°	1245.6	1297.4	1325.7	1321.9	1327.2	1327.2	1329.5	1300.5	1232.6	1200.6	1170.8
47.5°	1208.2	1269.2	1295.2	1290.6	1293.6	1295.9	1298.2	1264.6	1189.1	1158.6	1128.1
50°	1173.9	1238.7	1260.8	1262.4	1262.4	1267.7	1266.9	1234.1	1152.5	1119.7	1089.2
52.5°	1137.3	1207.4	1231.1	1241.0	1244.1	1246.3	1235.7	1197.5	1115.1	1075.5	1047.3
55°	1094.6	1175.4	1196.8	1209.7	1215.8	1214.3	1199.8	1160.9	1077.0	1037.3	1005.3
57.5°	1029.7	1106.8	1137.3	1143.4	1153.3	1147.2	1130.4	1097.6	1016.0	976.3	943.5
60°	958.8	1014.5	1038.9	1044.2	1036.6	1038.9	1036.6	1005.3	934.4	903.1	869.5
62.5°	865.7	915.3	941.2	948.1	935.1	943.5	940.5	901.6	830.6	797.8	768.1
65°	795.6	849.7	880.2	884.0	880.2	884.0	873.4	826.1	758.9	725.4	694.9
67.5°	740.6	796.3	828.4	839.0	835.2	834.5	817.7	762.8	693.3	656.7	617.8
70°	646.1	694.9	736.1	762.0	762.0	747.5	715.5	664.4	608.7	577.4	546.9
72.5°	572.1	633.8	674.3	701.0	706.3	697.9	652.9	598.8	534.7	503.4	471.4
75°	471.4	531.6	575.1	610.2	617.1	607.9	556.0	502.7	443.2	412.7	380.6
77.5°	315.0	350.9	386.0	418.0	411.1	417.2	382.1	341.7	305.1	282.2	267.7
80°	177.7	201.4	212.0	229.6	229.6	229.6	206.7	187.6	167.0	154.1	139.6
82.5°	100.7	115.9	120.5	135.0	138.8	139.6	124.3	112.1	99.2	92.3	82.4
85°	46.5	54.9	55.7	64.1	67.1	73.2	66.4	58.0	50.3	47.3	41.2
87.5°	1.5	4.6	6.1	11.4	15.3	17.5	19.1	19.1	16.0	14.5	12.2
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: P634359

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1	1710.1
2.5°	1619.3	1637.6	1659.0	1674.2	1701.7	1724.6	1748.2	1774.2	1793.2	1788.7
5°	1537.7	1568.2	1607.1	1643.0	1694.1	1745.9	1803.2	1861.9	1896.2	1894.7
7.5°	1491.9	1535.4	1582.7	1630.8	1691.0	1765.8	1853.5	1945.0	1991.6	1993.8
10°	1516.4	1562.9	1594.9	1635.3	1698.7	1792.5	1897.7	2007.6	2061.0	2071.6
12.5°	1593.4	1589.6	1587.3	1616.3	1692.6	1811.5	1940.4	2071.6	2131.9	2144.9
15°	1666.6	1588.1	1540.8	1560.6	1665.1	1823.7	1982.4	2141.8	2209.7	2223.4
17.5°	1680.3	1561.4	1473.6	1487.4	1621.6	1827.6	2022.8	2210.5	2283.7	2296.7
20°	1642.2	1527.0	1424.8	1405.8	1566.7	1817.6	2048.0	2267.7	2347.8	2361.5
22.5°	1594.2	1496.5	1388.2	1338.6	1499.6	1807.7	2076.2	2327.9	2420.2	2432.4
25°	1543.8	1457.6	1353.9	1278.4	1423.3	1801.6	2123.5	2407.3	2518.6	2533.1
27.5°	1490.4	1410.3	1324.1	1249.4	1353.1	1809.3	2190.6	2535.4	2662.0	2682.6
30°	1433.2	1363.0	1305.1	1239.5	1305.1	1816.1	2264.6	2666.6	2815.3	2844.3
32.5°	1373.7	1319.6	1285.2	1244.1	1275.3	1800.1	2329.5	2813.8	2998.4	3023.6
35°	1314.2	1275.3	1260.1	1252.4	1235.7	1741.4	2382.1	2962.5	3207.4	3229.5
37.5°	1258.5	1229.6	1225.0	1233.4	1174.6	1645.3	2443.1	3151.7	3412.6	3446.1
40°	1206.7	1180.0	1179.2	1177.7	1107.5	1514.1	2525.5	3343.9	3614.7	3630.0
42.5°	1158.6	1125.1	1131.2	1112.9	1052.6	1372.2	2603.3	3507.9	3803.1	3813.8
45°	1115.9	1071.7	1078.5	1055.7	1026.7	1223.5	2671.9	3701.6	4041.8	4048.7
47.5°	1074.7	1027.4	1008.4	1006.8	1022.1	1086.2	2739.1	4074.6	4415.6	4427.8
50°	1036.6	985.5	931.3	964.9	993.9	983.2	2823.0	4474.3	4801.5	4798.5
52.5°	1000.0	932.8	855.8	920.6	920.6	906.9	2799.3	4716.9	5120.4	5173.0
55°	958.0	848.2	777.2	846.7	813.1	838.3	2380.6	4796.2	5321.0	5395.7
57.5°	874.9	743.7	681.9	719.3	668.9	777.2	1710.1	4402.6	4980.0	5112.7
60°	794.8	666.6	626.2	619.4	553.8	633.8	1108.3	3446.9	4099.0	4166.2
62.5°	701.0	600.3	566.0	513.3	445.4	461.5	671.2	2268.4	2754.3	2769.6
65°	630.0	543.8	478.2	415.7	364.6	334.8	396.6	1093.8	1376.8	1358.5
67.5°	540.8	466.0	403.5	358.5	316.5	279.2	263.9	324.9	367.6	355.4
70°	481.3	409.6	349.3	306.6	267.7	230.4	203.7	191.5	187.6	184.6
72.5°	414.9	352.4	289.8	248.7	212.0	177.7	153.3	138.8	135.0	132.0
75°	331.0	272.3	215.1	176.2	144.2	119.8	103.7	91.5	89.2	86.2
77.5°	218.9	174.7	128.1	104.5	85.4	72.5	61.8	54.2	52.6	51.1
80°	120.5	100.7	78.6	63.3	51.1	44.2	40.4	35.8	35.1	34.3
82.5°	71.7	60.3	45.0	35.8	29.7	26.7	24.4	22.1	21.4	20.6
85°	35.8	28.2	19.8	16.8	15.3	13.7	13.7	11.4	10.7	10.7
87.5°	9.2	7.6	4.6	3.8	3.8	3.8	3.1	2.3	2.3	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)