

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: P635406

Luminaire Tested: GWS-SA3D-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16810.9 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

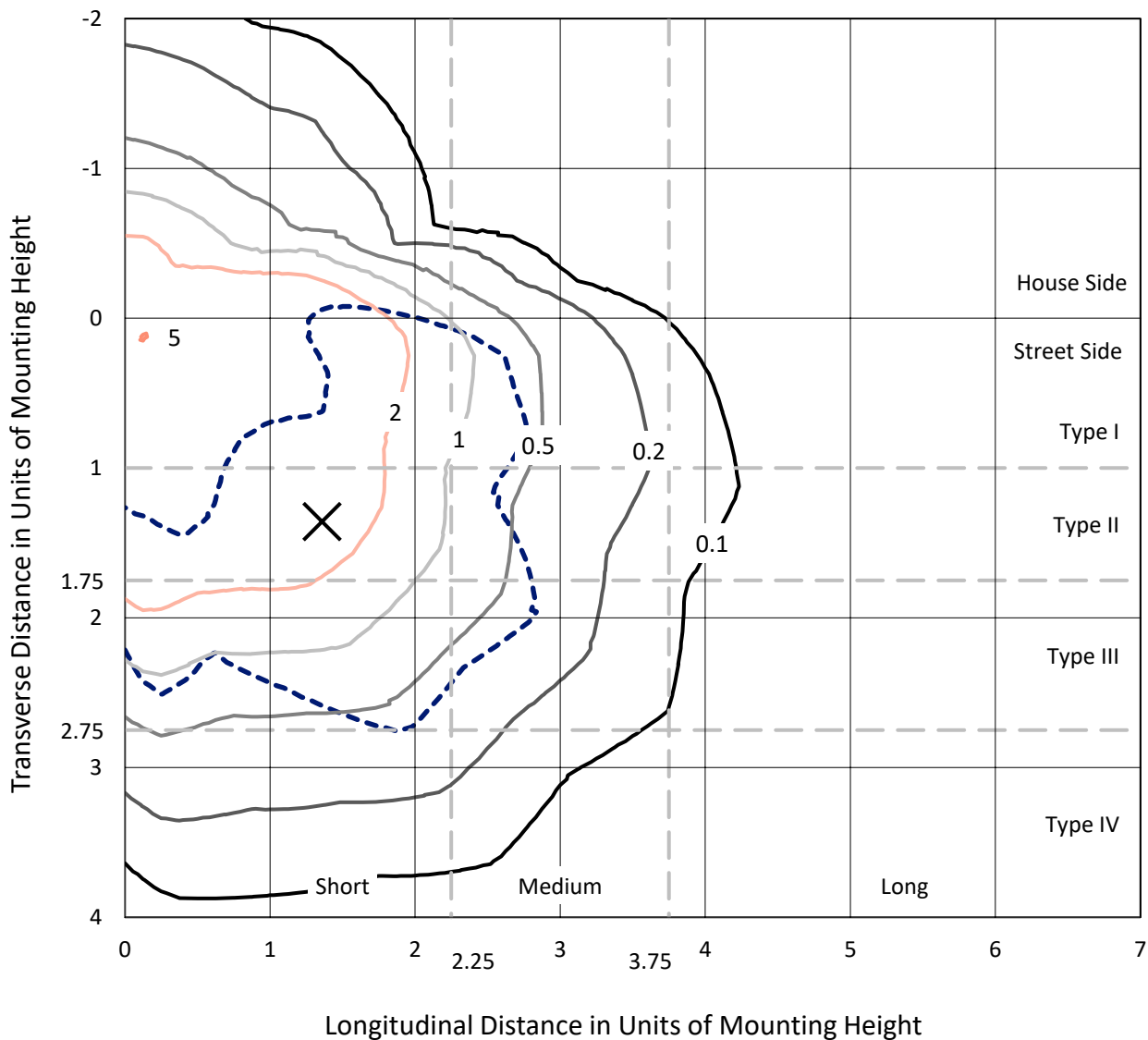
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635406
 CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

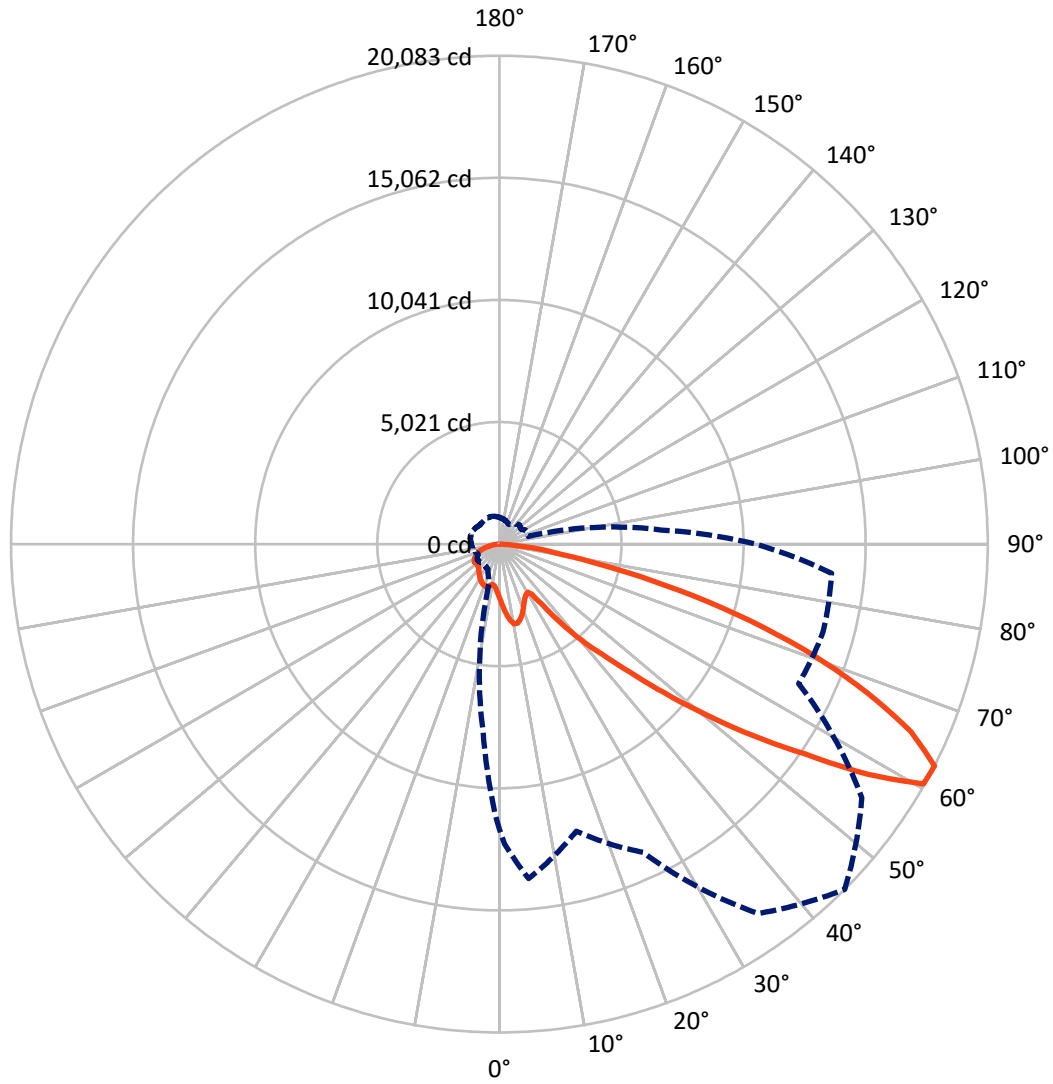
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P635406
CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P635406

CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4011.4	0.0	4011.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	12799.5	0.0	12799.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	16810.9	0.0	16810.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	1.3
10°-20°	683.1	4.1
20°-30°	1061.0	6.3
30°-40°	1440.5	8.6
40°-50°	2283.1	13.6
50°-60°	4027.4	24.0
60°-70°	4481.1	26.7
70°-80°	2272.6	13.5
80°-90°	344.1	2.0
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°	16810.9	100.0
0°-180°	16810.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635406

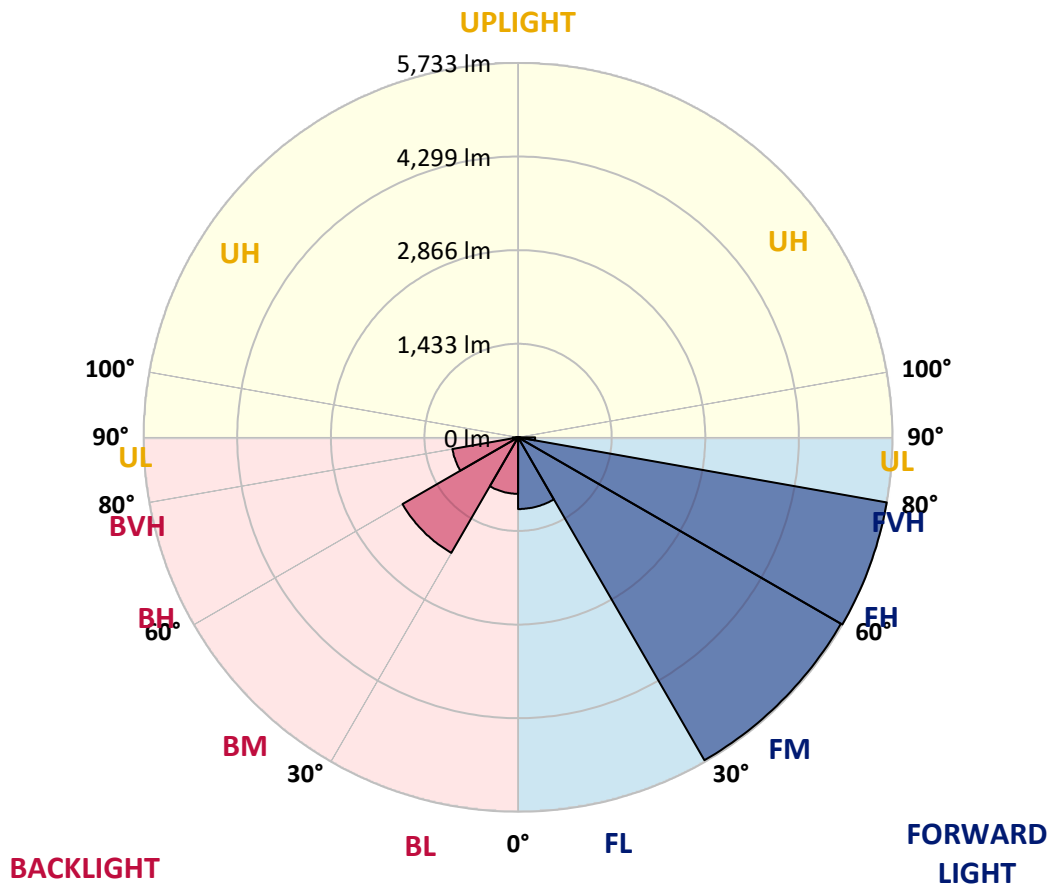
CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1097.6	6.5			
FM (30°-60°)	5708.0	34.0			
FH (60°-80°)	5732.7	34.1			G3/7500
FVH (80°-90°)	261.2	1.6			G3/500
BL (0°-30°)	864.4	5.1	B2/1000		
BM (30°-60°)	2043.0	12.2	B2/2500		
BH (60°-80°)	1021.1	6.1	B3/2500		G3/2500
BVH (80°-90°)	82.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P635406
 CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1
2.5°	2397.9	2396.6	2420.8	2457.7	2492.1	2507.3	2532.8	2530.2	2509.9	2483.2	2474.2
5°	2586.2	2591.3	2633.3	2714.8	2805.2	2843.3	2859.9	2853.5	2816.6	2769.5	2686.8
7.5°	2756.8	2765.7	2830.6	2952.8	3064.8	3115.7	3156.4	3148.8	3095.4	3007.5	2885.3
10°	2881.5	2891.7	2969.4	3113.2	3237.9	3282.5	3334.6	3337.2	3290.1	3171.7	3047.0
12.5°	3006.3	3016.4	3089.0	3220.1	3301.5	3302.8	3333.4	3349.9	3352.5	3297.7	3173.0
15°	3136.1	3145.0	3211.2	3285.0	3281.2	3209.9	3209.9	3241.7	3311.7	3351.2	3264.6
17.5°	3246.8	3258.3	3309.2	3285.0	3171.7	3043.2	3027.9	3068.6	3190.8	3342.3	3333.4
20°	3338.5	3347.4	3375.4	3215.0	3008.8	2840.8	2811.5	2858.6	3024.1	3287.5	3385.5
22.5°	3426.3	3431.4	3416.1	3123.4	2833.2	2641.0	2605.3	2655.0	2833.2	3190.8	3430.1
25°	3530.6	3525.5	3453.0	3027.9	2672.8	2483.2	2446.2	2502.2	2688.1	3062.3	3478.5
27.5°	3651.6	3632.5	3484.8	2924.8	2549.3	2366.1	2340.6	2400.4	2573.5	2943.9	3516.6
30°	3754.6	3717.7	3489.9	2833.2	2485.7	2316.4	2301.2	2357.2	2517.5	2863.7	3565.0
32.5°	3869.2	3818.3	3519.2	2809.0	2521.3	2436.1	2456.4	2460.2	2532.8	2840.8	3637.6
35°	4033.4	3967.2	3599.4	2879.0	2887.9	3031.7	3105.5	3006.3	2763.2	2891.7	3775.0
37.5°	4281.6	4197.6	3762.3	3181.9	3645.2	3967.2	4145.4	3918.8	3463.2	3083.9	3982.5
40°	4583.2	4476.3	3971.0	3741.9	4352.8	4868.3	5185.2	4853.0	4183.6	3563.7	4273.9
42.5°	5004.5	4892.5	4375.8	4291.7	5008.3	5775.8	6189.4	5694.3	4818.7	4183.6	4741.0
45°	5738.9	5630.7	5117.8	4842.9	5775.8	6893.3	7473.7	6785.1	5464.0	4805.9	5614.1
47.5°	7095.6	6968.4	6220.0	5453.8	6651.4	8344.2	9156.2	8153.3	6134.7	5518.7	7080.4
50°	8724.8	8602.6	7603.5	6176.7	7618.7	9895.7	11024.7	9760.8	6907.3	6385.4	8833.0
52.5°	10684.8	10661.9	9577.5	7090.6	8625.5	11550.3	13098.0	11541.4	7753.7	7552.6	10818.5
55°	12451.4	12675.4	12084.9	8484.2	9926.3	13628.7	15229.9	13483.6	8901.7	9482.1	13143.8
57.5°	13403.4	14005.5	14912.9	11327.6	11817.6	16113.2	17860.7	15854.8	10874.5	12694.5	15299.9
60°	12774.7	13456.9	15101.3	13468.4	13693.6	18103.7	20032.0	17847.9	12811.6	14924.4	15177.7
62.5°	11728.5	12340.7	13803.1	12218.5	13983.8	18541.6	20082.9	18195.4	13581.6	13792.9	13710.2
65°	10487.5	11104.8	12653.8	10665.7	13061.1	17501.7	18601.4	17173.4	12198.1	12461.6	12492.1
67.5°	8839.3	9409.5	10986.5	9483.3	11905.4	15975.7	16327.0	15717.3	11233.4	11653.4	11214.3
70°	6604.4	7118.6	8511.0	7706.6	10035.7	13987.6	13703.8	13794.2	10150.3	10567.7	9367.5
72.5°	4513.2	4900.1	6094.0	6055.8	7684.9	11197.7	10801.9	11658.5	8477.9	9031.5	7141.5
75°	3156.4	3458.1	4405.0	4784.3	5808.9	8299.7	7692.6	8726.0	6620.9	7411.3	5210.7
77.5°	1937.1	2137.0	2782.3	3544.6	3736.8	5680.3	4777.9	6566.2	4649.4	5405.4	3475.9
80°	968.6	1065.3	1351.7	2228.6	2478.1	3347.4	2638.4	3811.9	3146.3	3347.4	1923.1
82.5°	292.7	323.3	395.8	846.4	1284.2	1927.0	1559.1	2214.6	1718.2	1569.3	757.3
85°	77.6	87.8	109.5	250.7	450.6	691.1	526.9	1072.9	823.5	579.1	285.1
87.5°	6.4	6.4	5.1	5.1	2.5	0.0	0.0	76.4	154.0	87.8	49.6
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: P635406
 CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1
2.5°	2429.7	2424.6	2372.4	2334.2	2289.7	2246.4	2201.9	2162.4	2117.9	2073.3	2060.6
5°	2625.7	2590.1	2479.3	2386.4	2294.8	2214.6	2144.6	2072.1	2013.5	1956.2	1934.6
7.5°	2798.8	2736.4	2576.1	2434.8	2307.5	2208.2	2105.1	1999.5	1916.8	1835.3	1815.0
10°	2955.4	2872.6	2670.3	2492.1	2350.8	2237.5	2116.6	1975.3	1855.7	1756.4	1729.7
12.5°	3071.2	2980.8	2751.7	2546.8	2386.4	2259.2	2139.5	2014.8	1888.8	1760.2	1731.0
15°	3162.8	3068.6	2819.2	2588.8	2387.7	2223.5	2107.7	2064.4	2025.0	1899.0	1845.5
17.5°	3236.6	3137.4	2877.7	2614.3	2353.3	2115.3	2014.8	2078.4	2179.0	2100.1	1999.5
20°	3304.1	3203.5	2922.3	2632.1	2277.0	1966.4	1910.4	2045.3	2196.8	2194.2	2103.9
22.5°	3377.9	3279.9	2987.2	2642.3	2170.1	1815.0	1848.0	1997.0	2120.4	2157.3	2101.3
25°	3472.1	3385.5	3077.5	2665.2	2049.1	1710.6	1802.2	1934.6	2037.7	2046.6	2013.5
27.5°	3581.5	3516.6	3212.4	2718.6	1932.1	1657.1	1748.8	1846.8	1941.0	1944.8	1905.3
30°	3701.2	3657.9	3337.2	2763.2	1844.2	1640.6	1680.0	1759.0	1818.8	1829.0	1794.6
32.5°	3853.9	3815.7	3447.9	2733.9	1792.0	1636.8	1616.4	1657.1	1706.8	1706.8	1680.0
35°	4063.9	4010.5	3565.0	2621.9	1728.4	1621.5	1548.9	1560.4	1582.0	1585.9	1570.6
37.5°	4361.8	4273.9	3683.4	2400.4	1624.0	1566.8	1471.3	1457.3	1464.9	1475.1	1471.3
40°	4730.9	4587.0	3856.5	2134.4	1499.3	1461.1	1391.1	1364.4	1358.0	1378.4	1386.0
42.5°	5195.4	4975.2	4042.3	1886.2	1386.0	1340.2	1296.9	1274.0	1263.9	1298.2	1318.6
45°	5937.4	5574.7	4220.5	1640.6	1322.4	1237.1	1207.9	1191.3	1196.4	1237.1	1262.6
47.5°	7219.1	6489.8	4389.8	1485.3	1317.3	1163.3	1127.7	1131.5	1145.5	1188.8	1219.3
50°	8840.6	7715.5	4503.0	1420.4	1332.6	1118.8	1071.7	1092.0	1113.7	1155.7	1191.3
52.5°	10491.4	8857.1	4368.1	1384.8	1331.3	1120.0	1019.5	1080.6	1090.8	1132.8	1170.9
55°	11626.7	8984.4	3773.7	1330.0	1310.9	1170.9	978.8	1075.5	1081.8	1120.0	1154.4
57.5°	12059.4	8549.1	2877.7	1345.3	1249.9	1210.4	960.9	1039.8	1085.7	1118.8	1154.4
60°	11536.3	7728.2	1748.8	1384.8	1151.8	1207.9	972.4	974.9	1053.8	1109.8	1145.5
62.5°	10549.9	6674.4	1228.2	1272.8	1080.6	1140.4	999.1	898.6	997.8	1065.3	1097.1
65°	9419.7	5434.7	936.8	1095.8	1046.2	1036.0	1008.0	831.1	921.5	987.7	1015.7
67.5°	8242.4	4224.3	761.1	817.1	945.7	936.8	921.5	771.3	831.1	878.2	910.0
70°	6759.6	2955.4	642.7	613.5	810.7	840.0	805.7	696.2	715.3	763.7	789.1
72.5°	4944.7	1841.7	528.2	506.6	651.7	734.4	716.6	613.5	622.4	668.2	688.6
75°	3556.1	1053.8	423.8	417.5	497.6	628.7	593.1	528.2	538.4	572.7	586.7
77.5°	2260.4	586.7	327.1	336.0	356.4	469.6	506.6	451.8	451.8	472.2	483.6
80°	1210.4	336.0	239.3	243.1	249.5	358.9	399.6	350.0	350.0	336.0	350.0
82.5°	493.8	193.5	164.2	152.7	166.7	245.6	280.0	222.7	232.9	210.0	215.1
85°	162.9	96.7	81.5	80.2	78.9	108.2	134.9	110.7	132.4	84.0	87.8
87.5°	21.6	17.8	10.2	7.6	8.9	3.8	7.6	8.9	8.9	6.4	6.4
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: P635406
 CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1
2.5°	2051.7	2041.5	2004.6	2013.5	2007.1	1997.0	2007.1	1988.1	2003.3	2008.4	2040.2
5°	1918.1	1893.9	1858.2	1840.4	1836.6	1826.4	1827.7	1818.8	1821.3	1843.0	1878.6
7.5°	1798.4	1775.5	1747.5	1734.8	1723.3	1711.9	1710.6	1709.3	1719.5	1738.6	1773.0
10°	1711.9	1699.1	1687.7	1692.8	1687.7	1682.6	1673.7	1673.7	1690.2	1724.6	1766.6
12.5°	1711.9	1709.3	1711.9	1727.1	1725.9	1727.1	1715.7	1722.0	1767.9	1826.4	1886.2
15°	1803.5	1783.1	1783.1	1790.8	1788.2	1788.2	1788.2	1815.0	1919.3	2009.7	2073.3
17.5°	1915.5	1855.7	1830.2	1826.4	1825.1	1825.1	1830.2	1887.5	2050.4	2145.9	2182.8
20°	1993.1	1879.9	1837.9	1821.3	1822.6	1825.1	1840.4	1919.3	2098.8	2147.1	2138.2
22.5°	2007.1	1860.8	1809.9	1785.7	1789.5	1792.0	1815.0	1899.0	2032.6	2040.2	2022.4
25°	1942.2	1807.3	1752.6	1733.5	1738.6	1737.3	1757.7	1818.8	1914.2	1911.7	1901.5
27.5°	1845.5	1722.0	1681.3	1668.6	1677.5	1667.3	1673.7	1720.8	1794.6	1792.0	1788.2
30°	1746.2	1639.3	1602.4	1596.0	1607.5	1592.2	1593.5	1633.0	1683.9	1681.3	1680.0
32.5°	1647.0	1556.6	1523.5	1523.5	1534.9	1518.4	1520.9	1555.3	1589.7	1579.5	1579.5
35°	1552.8	1489.1	1462.4	1457.3	1466.2	1454.8	1459.9	1491.7	1504.4	1490.4	1481.5
37.5°	1470.0	1442.0	1415.3	1397.5	1398.8	1400.0	1415.3	1439.5	1431.9	1411.5	1400.0
40°	1393.7	1393.7	1368.2	1335.1	1331.3	1340.2	1365.7	1392.4	1370.8	1347.9	1333.9
42.5°	1338.9	1350.4	1326.2	1293.1	1285.5	1300.8	1328.8	1347.9	1322.4	1296.9	1277.9
45°	1288.0	1316.0	1299.5	1262.6	1252.4	1270.2	1305.9	1313.5	1279.1	1254.9	1240.9
47.5°	1252.4	1290.6	1279.1	1243.5	1228.2	1253.7	1290.6	1289.3	1246.0	1220.6	1209.1
50°	1226.9	1275.3	1274.0	1243.5	1226.9	1258.8	1291.9	1275.3	1228.2	1201.5	1190.0
52.5°	1206.6	1274.0	1282.9	1265.1	1253.7	1281.7	1302.0	1270.2	1215.5	1187.5	1178.6
55°	1197.7	1279.1	1285.5	1268.9	1258.8	1284.2	1302.0	1280.4	1215.5	1190.0	1182.4
57.5°	1200.2	1272.8	1274.0	1251.1	1233.3	1265.1	1293.1	1286.8	1229.5	1200.2	1191.3
60°	1184.9	1238.4	1240.9	1205.3	1184.9	1223.1	1272.8	1268.9	1223.1	1192.6	1176.0
62.5°	1134.0	1181.1	1182.4	1149.3	1120.0	1174.8	1229.5	1228.2	1186.2	1155.7	1136.6
65°	1048.8	1098.4	1111.1	1079.3	1056.4	1114.9	1172.2	1169.7	1127.7	1099.7	1080.6
67.5°	943.1	996.6	1020.8	999.1	990.2	1043.7	1097.1	1095.8	1061.5	1034.8	1018.2
70°	814.6	859.1	899.8	899.8	893.5	954.6	1011.8	1006.8	974.9	954.6	941.8
72.5°	707.7	742.0	754.7	767.5	786.6	850.2	898.6	902.4	879.5	869.3	879.5
75°	602.0	623.7	635.1	624.9	658.0	724.2	787.8	794.2	770.0	753.5	757.3
77.5°	495.1	519.3	530.7	507.8	505.3	589.3	666.9	680.9	660.6	635.1	642.7
80°	357.6	389.5	408.6	393.3	388.2	425.1	532.0	547.3	528.2	507.8	519.3
82.5°	218.9	236.7	241.8	257.1	288.9	304.2	342.4	393.3	379.3	361.5	393.3
85°	86.5	103.1	114.5	129.8	151.5	179.5	211.3	252.0	229.1	221.5	260.9
87.5°	5.1	1.3	0.0	2.5	21.6	42.0	90.4	124.7	104.4	112.0	134.9
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: P635406
 CATALOG NUMBER: GWS-SA3D-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1	2231.1
2.5°	2065.7	2098.8	2143.3	2180.2	2227.3	2271.9	2317.7	2363.5	2387.7	2397.9
5°	1919.3	1980.4	2051.7	2130.6	2222.2	2319.0	2417.0	2517.5	2581.2	2586.2
7.5°	1831.5	1919.3	2017.3	2116.6	2229.9	2363.5	2518.8	2674.1	2739.0	2756.8
10°	1859.5	1957.5	2035.1	2128.1	2252.8	2419.5	2602.8	2784.8	2859.9	2881.5
12.5°	1971.5	1990.6	2014.8	2100.1	2252.8	2467.9	2689.3	2905.7	2985.9	3006.3
15°	2064.4	1972.8	1929.5	2019.9	2222.2	2509.9	2781.0	3020.3	3117.0	3136.1
17.5°	2072.1	1914.2	1820.0	1901.5	2168.8	2539.2	2868.8	3147.5	3229.0	3246.8
20°	1994.4	1851.9	1729.7	1779.3	2096.2	2551.9	2932.4	3240.4	3320.6	3338.5
22.5°	1906.6	1801.0	1668.6	1666.0	2008.4	2565.9	3008.8	3328.3	3414.8	3426.3
25°	1823.9	1731.0	1619.0	1583.3	1906.6	2592.6	3111.9	3460.6	3526.8	3530.6
27.5°	1727.1	1655.9	1579.5	1545.1	1817.5	2643.5	3264.6	3618.5	3657.9	3651.6
30°	1639.3	1585.9	1551.5	1541.3	1761.5	2681.7	3409.7	3773.7	3776.3	3754.6
32.5°	1546.4	1526.0	1526.0	1559.1	1715.7	2672.8	3528.1	3925.2	3901.0	3869.2
35°	1463.7	1467.5	1494.2	1571.9	1639.3	2583.7	3641.4	4114.8	4079.2	4033.4
37.5°	1384.8	1414.0	1452.2	1527.3	1538.8	2451.3	3773.7	4383.4	4338.8	4281.6
40°	1317.3	1361.9	1406.4	1443.3	1431.9	2263.0	3958.3	4699.0	4649.4	4583.2
42.5°	1263.9	1307.1	1356.8	1360.6	1364.4	2067.0	4154.3	5086.0	5077.0	5004.5
45°	1229.5	1257.5	1304.6	1298.2	1360.6	1850.6	4335.0	5676.5	5793.6	5738.9
47.5°	1206.6	1228.2	1233.3	1260.0	1393.7	1657.1	4567.9	6832.2	7158.0	7095.6
50°	1193.8	1215.5	1158.2	1262.6	1398.8	1532.4	4889.9	8283.1	8807.5	8724.8
52.5°	1192.6	1187.5	1100.9	1289.3	1370.8	1456.0	5058.0	9342.1	10505.4	10684.8
55°	1195.1	1131.5	1071.7	1296.9	1314.8	1428.0	4495.4	9851.2	12072.1	12451.4
57.5°	1172.2	1070.4	1088.2	1266.4	1209.1	1503.1	3323.2	9669.2	12698.3	13403.4
60°	1128.9	1011.8	1118.8	1183.7	1100.9	1374.6	2288.4	8857.1	12049.2	12774.7
62.5°	1066.6	971.1	1114.9	1076.8	1061.5	1125.1	1573.1	7720.6	11019.6	11728.5
65°	996.6	938.0	1055.1	973.7	982.6	865.5	1112.4	6437.6	9790.1	10487.5
67.5°	921.5	917.7	967.3	866.8	829.8	686.0	810.7	5159.8	8210.6	8839.3
70°	836.2	864.2	879.5	770.0	673.3	538.4	602.0	3608.3	6057.1	6604.4
72.5°	750.9	753.5	775.1	669.5	504.0	431.5	451.8	2185.3	4114.8	4513.2
75°	664.4	640.2	660.6	544.7	375.5	353.8	348.7	1350.4	2842.1	3156.4
77.5°	571.5	544.7	518.0	409.8	301.6	273.6	267.3	757.3	1743.7	1937.1
80°	464.6	428.9	386.9	300.4	220.2	196.0	194.7	369.1	869.3	968.6
82.5°	361.5	294.0	282.6	187.1	136.2	119.6	127.3	141.3	262.2	292.7
85°	253.3	213.8	150.2	75.1	61.1	49.6	48.4	42.0	70.0	77.6
87.5°	141.3	92.9	48.4	8.9	10.2	11.5	8.9	6.4	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)