

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: P639363

Luminaire Tested: GWS-SA5B-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9556.9 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

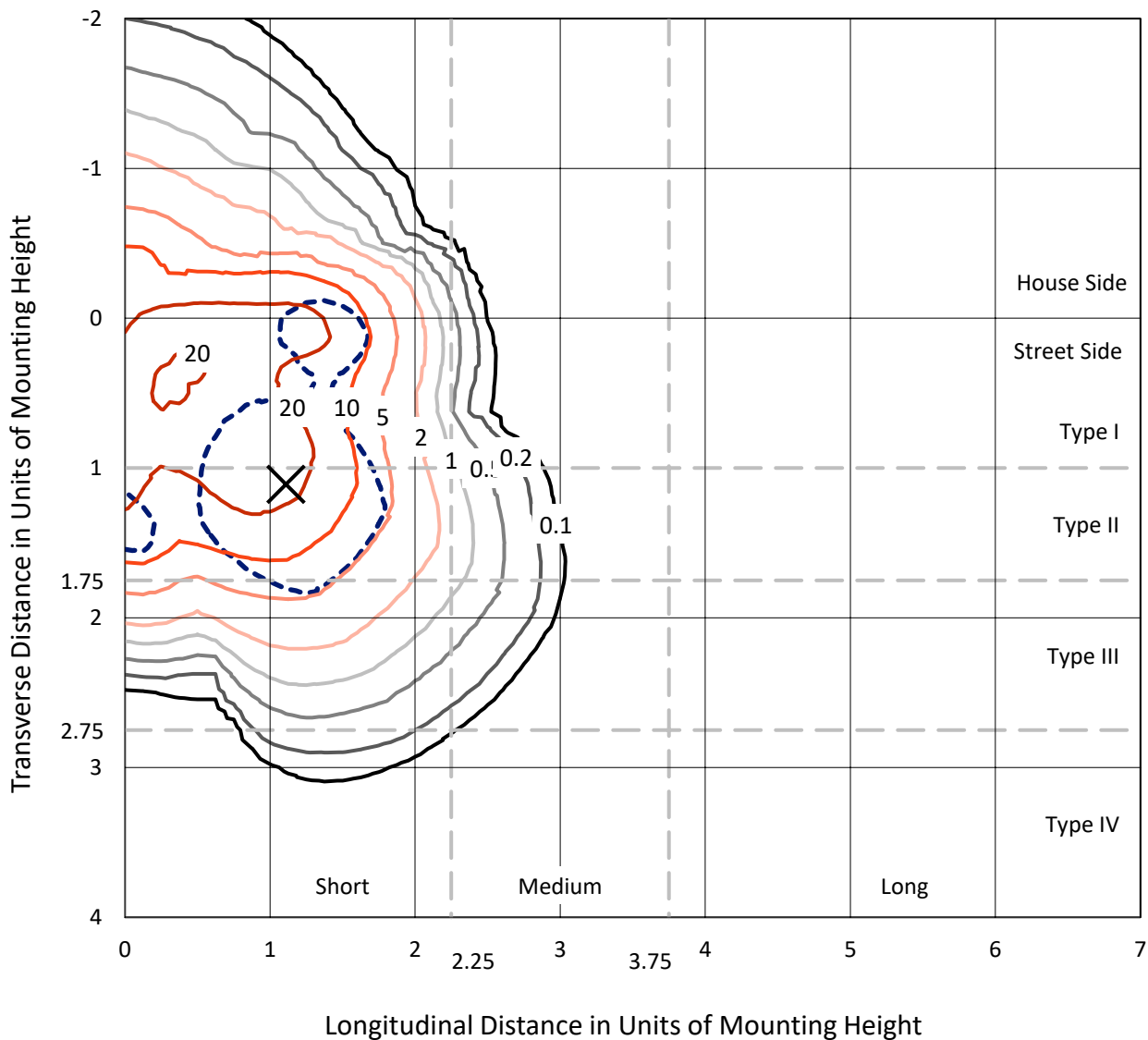
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639363
 CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

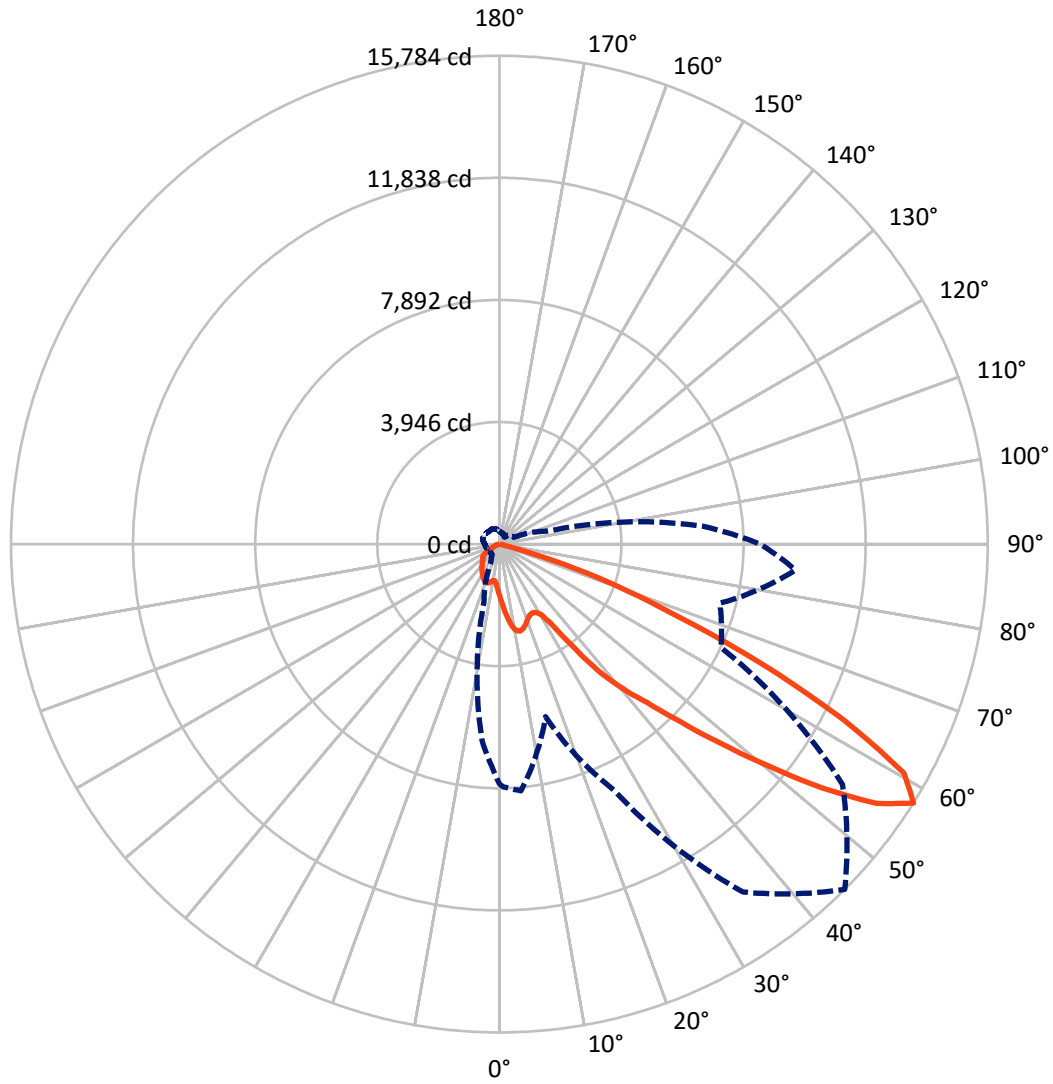
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.9 fc
 Type III - Short - N/A

REPORT NUMBER: P639363
CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639363
 CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

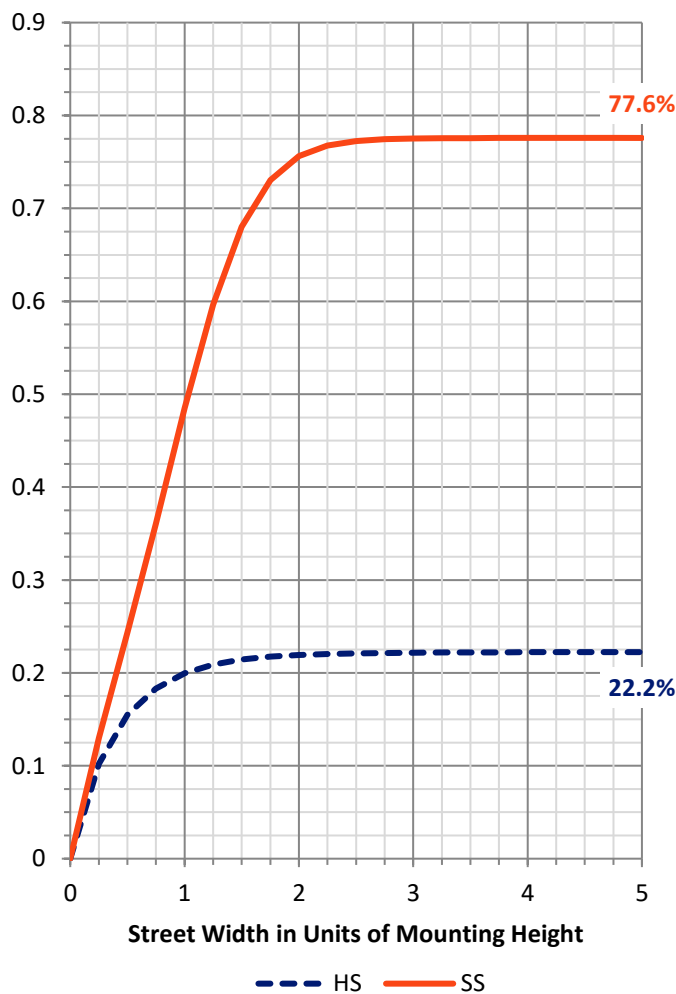
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2140.0	0.0	2140.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7416.9	0.0	7416.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	9556.9	0.0	9556.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	1.7
10°-20°	534.6	5.6
20°-30°	868.4	9.1
30°-40°	1341.8	14.0
40°-50°	2151.5	22.5
50°-60°	2940.5	30.8
60°-70°	1424.2	14.9
70°-80°	130.4	1.4
80°-90°	0.4	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°	9556.9	100.0
0°-180°	9556.9	100.0

Coefficient of Utilization



REPORT NUMBER: P639363

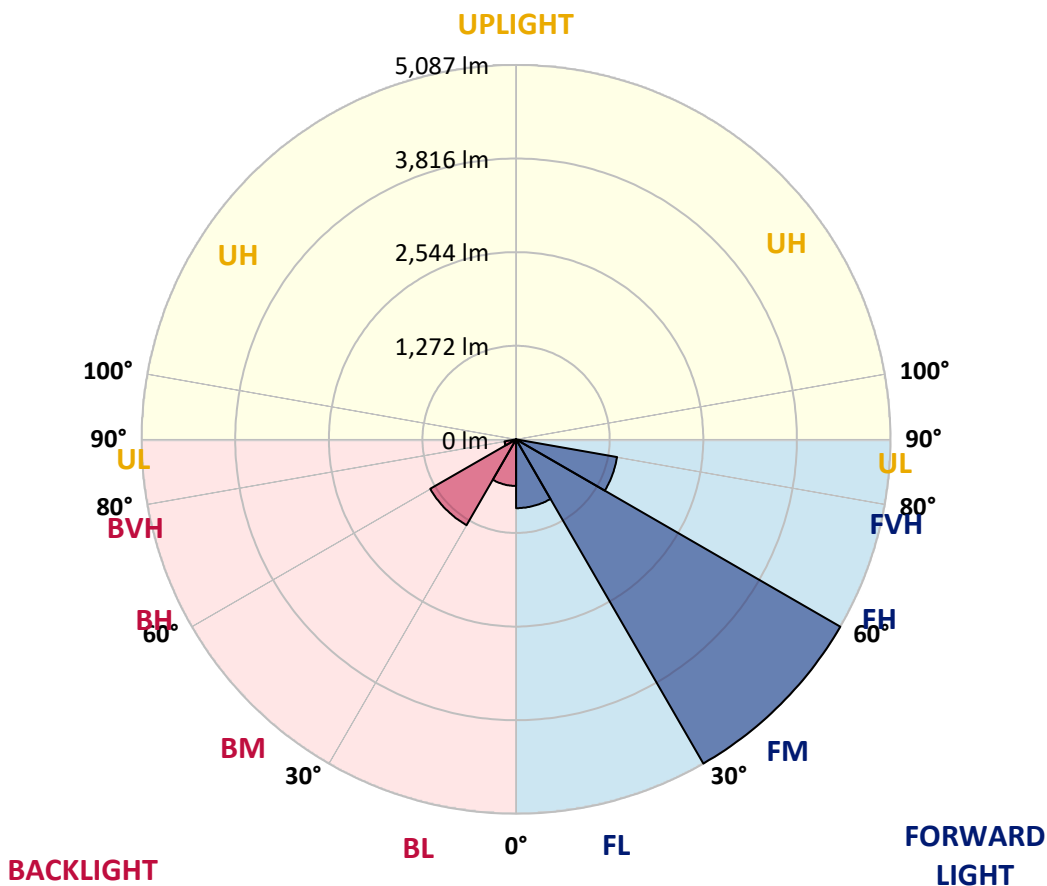
CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.0	9.8			
FM (30°-60°)	5087.4	53.2			
FH (60°-80°)	1394.2	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	633.2	6.6	B2/1000		
BM (30°-60°)	1346.4	14.1	B2/2500		
BH (60°-80°)	160.4	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1

Type III Short





REPORT NUMBER: P639363

CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7
2.5°	1819.7	1831.3	1850.5	1891.6	1926.3	1949.4	1959.7	1957.1	1943.0	1932.7	1912.2
5°	2014.9	2014.9	2052.1	2145.9	2217.8	2262.8	2285.9	2271.7	2243.5	2198.5	2129.2
7.5°	2185.7	2192.1	2255.0	2388.6	2497.8	2562.0	2599.2	2591.5	2541.4	2455.4	2316.7
10°	2319.3	2327.0	2410.4	2573.5	2701.9	2767.4	2822.7	2827.8	2772.6	2658.3	2499.0
12.5°	2449.0	2456.7	2544.0	2700.7	2813.7	2840.6	2889.4	2908.7	2894.6	2813.7	2648.0
15°	2588.9	2606.9	2681.4	2798.3	2845.8	2813.7	2845.8	2880.5	2928.0	2920.3	2771.3
17.5°	2726.3	2739.2	2815.0	2856.1	2803.4	2719.9	2735.3	2776.4	2884.3	2989.6	2893.3
20°	2853.5	2871.5	2934.4	2880.5	2721.2	2591.5	2592.8	2646.7	2811.1	3032.0	3017.9
22.5°	2987.0	3014.0	3059.0	2907.4	2645.4	2490.1	2496.5	2545.3	2753.3	3071.8	3159.1
25°	3161.7	3187.4	3216.9	2974.2	2621.0	2440.0	2464.4	2509.3	2753.3	3139.9	3333.8
27.5°	3398.0	3416.0	3417.2	3098.8	2663.4	2447.7	2499.0	2550.4	2835.5	3276.0	3567.5
30°	3694.6	3722.9	3685.6	3292.7	2795.7	2550.4	2626.2	2690.4	3012.7	3505.9	3911.7
32.5°	4055.5	4095.3	4045.2	3580.3	3071.8	2904.9	3042.3	3079.5	3295.2	3838.5	4302.1
35°	4479.3	4512.7	4458.7	3978.4	3716.5	3747.3	3996.4	3948.9	3862.9	4248.1	4757.9
37.5°	4944.2	4975.0	4871.0	4582.0	4669.3	4802.9	5201.0	5037.9	4760.5	4775.9	5252.4
40°	5370.5	5403.9	5240.8	5238.2	5418.0	5662.0	6142.3	5917.6	5540.0	5466.8	5716.0
42.5°	5812.3	5835.4	5687.7	5587.5	5995.9	6498.0	7006.6	6703.5	6056.3	5976.6	6296.4
45°	6442.8	6491.6	6228.3	5759.6	6516.0	7459.9	8168.8	7576.8	6408.1	6343.9	7185.1
47.5°	7370.0	7406.0	6869.2	5867.5	7000.1	8658.0	9621.2	8709.4	6717.6	6571.2	8399.9
50°	8136.7	8161.1	7458.6	5985.6	7515.1	9949.9	11276.5	10052.7	7065.6	6947.5	9533.9
52.5°	8701.7	8794.2	8233.0	6228.3	8191.9	11469.2	13109.1	11643.8	7608.9	7674.4	10473.9
55°	8818.6	8944.4	8762.1	6377.3	8787.8	13016.6	14801.6	13068.0	8150.8	8225.3	10789.8
57.5°	7750.1	7850.3	8001.8	5776.3	8773.6	13725.5	15784.0	13540.6	7904.2	7376.4	9607.1
60°	5805.8	5875.2	6150.0	4415.1	8068.6	13098.8	15018.7	12736.7	6911.5	5628.6	7319.9
62.5°	3442.9	3473.7	3821.8	2859.9	6697.1	11280.4	12455.4	10990.1	5461.7	3785.8	4483.1
65°	1321.4	1308.6	1574.4	1411.3	4924.9	8985.5	9264.2	8378.1	3747.3	1734.9	1709.3
67.5°	204.2	195.2	263.3	417.4	3552.1	6227.1	6112.8	6038.3	2347.5	404.5	353.2
70°	46.2	46.2	56.5	123.3	2170.3	3658.7	3915.5	3733.2	1502.5	86.0	46.2
72.5°	21.8	21.8	27.0	52.7	785.9	1507.6	1756.8	1729.8	488.0	28.3	16.7
75°	7.7	9.0	9.0	11.6	47.5	78.3	179.8	128.4	30.8	0.0	0.0
77.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P639363

CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7
2.5°	1867.2	1858.2	1824.8	1779.9	1736.2	1697.7	1657.9	1610.4	1575.7	1535.9	1523.1
5°	2075.3	2018.8	1927.6	1832.5	1745.2	1670.7	1598.8	1521.8	1465.3	1408.8	1389.5
7.5°	2251.2	2167.7	2020.0	1877.5	1758.1	1652.8	1548.7	1443.4	1361.2	1294.5	1273.9
10°	2409.2	2312.8	2115.1	1939.1	1788.9	1666.9	1541.0	1408.8	1302.2	1222.6	1203.3
12.5°	2545.3	2433.6	2196.0	1985.4	1801.7	1661.7	1539.8	1434.4	1338.1	1247.0	1222.6
15°	2659.6	2536.3	2264.0	2016.2	1782.5	1597.5	1491.0	1474.3	1466.6	1366.4	1318.9
17.5°	2771.3	2632.6	2319.3	2030.3	1728.5	1484.5	1407.5	1483.2	1564.2	1498.7	1438.3
20°	2888.2	2730.2	2375.8	2032.9	1638.6	1357.4	1344.6	1464.0	1566.7	1546.2	1489.7
22.5°	3025.6	2852.2	2446.4	2031.6	1525.6	1249.5	1298.3	1426.7	1510.2	1508.9	1464.0
25°	3224.6	3006.3	2541.4	2039.3	1402.3	1166.0	1247.0	1363.8	1431.9	1429.3	1392.1
27.5°	3437.8	3189.9	2664.7	2058.6	1297.0	1117.3	1186.6	1277.8	1336.8	1334.3	1302.2
30°	3737.0	3401.8	2782.9	2059.8	1221.3	1091.6	1119.8	1182.7	1239.2	1232.8	1208.4
32.5°	4100.4	3640.7	2881.7	1986.7	1173.8	1067.2	1050.5	1082.6	1126.2	1117.3	1110.8
35°	4539.6	3924.5	2966.5	1826.1	1100.6	1018.4	973.4	979.8	1010.7	1015.8	1013.2
37.5°	5040.5	4262.2	3071.8	1614.2	1001.7	947.7	887.4	882.2	900.2	916.9	929.8
40°	5534.9	4642.4	3214.3	1399.8	911.8	857.8	800.1	787.2	794.9	824.5	851.4
42.5°	6090.9	5082.8	3368.4	1216.1	850.1	759.0	703.7	679.3	701.2	748.7	780.8
45°	6892.3	5700.5	3518.7	1069.7	824.5	671.6	597.2	594.6	619.0	680.6	716.6
47.5°	8017.2	6499.3	3617.6	955.4	823.2	603.6	515.0	530.4	558.6	619.0	660.1
50°	9113.9	7499.7	3508.4	868.1	796.2	558.6	453.3	484.1	512.4	565.0	607.4
52.5°	9775.3	8037.8	3083.4	785.9	712.7	538.1	393.0	446.9	452.0	499.6	544.5
55°	9705.9	7689.8	2361.6	658.8	589.4	508.5	330.0	403.2	405.8	441.8	480.3
57.5°	8424.3	6602.0	1621.9	534.2	443.0	419.9	272.2	340.3	364.7	386.5	414.8
60°	6278.4	4817.0	723.0	434.1	281.2	283.8	232.4	256.8	294.1	319.8	344.2
62.5°	3699.8	2771.3	294.1	260.7	155.4	178.5	187.5	187.5	210.6	229.9	245.3
65°	1398.5	969.6	119.4	131.0	80.9	83.5	110.4	136.1	154.1	170.8	191.3
67.5°	245.3	169.5	61.6	48.8	47.5	42.4	56.5	88.6	98.9	111.7	120.7
70°	41.1	34.7	25.7	24.4	21.8	23.1	37.2	62.9	69.3	73.2	77.1
72.5°	11.6	10.3	7.7	6.4	5.1	6.4	23.1	48.8	51.4	53.9	57.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	34.7	37.2	38.5	42.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	10.3	12.8	10.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P639363

CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7
2.5°	1515.4	1489.7	1475.5	1467.8	1467.8	1457.6	1446.0	1442.2	1458.8	1458.8	1487.1
5°	1365.1	1344.6	1321.4	1307.3	1285.5	1289.3	1276.5	1275.2	1291.9	1299.6	1329.1
7.5°	1261.1	1235.4	1221.3	1212.3	1200.7	1195.6	1184.0	1180.2	1189.2	1202.0	1230.3
10°	1191.7	1187.9	1186.6	1193.0	1193.0	1186.6	1176.3	1169.9	1172.5	1196.9	1229.0
12.5°	1209.7	1217.4	1220.0	1230.3	1235.4	1230.3	1222.6	1225.1	1241.8	1286.8	1334.3
15°	1288.0	1281.6	1279.1	1284.2	1288.0	1282.9	1280.3	1299.6	1357.4	1421.6	1475.5
17.5°	1371.5	1330.4	1312.4	1312.4	1315.0	1312.4	1315.0	1352.3	1446.0	1510.2	1550.0
20°	1413.9	1338.1	1309.9	1303.5	1308.6	1309.9	1318.9	1361.2	1464.0	1508.9	1517.9
22.5°	1401.1	1306.0	1273.9	1268.8	1273.9	1279.1	1288.0	1324.0	1420.3	1443.4	1439.6
25°	1336.8	1243.1	1217.4	1217.4	1229.0	1227.7	1231.5	1257.2	1336.8	1351.0	1344.6
27.5°	1255.9	1167.3	1145.5	1158.3	1168.6	1166.0	1167.3	1189.2	1248.2	1252.1	1245.7
30°	1173.8	1096.7	1076.2	1091.6	1105.7	1103.1	1104.4	1126.2	1163.5	1159.6	1150.6
32.5°	1090.3	1033.8	1018.4	1027.4	1049.2	1046.6	1051.8	1074.9	1089.0	1072.3	1062.0
35°	1013.2	983.7	972.1	977.3	994.0	997.8	1006.8	1022.2	1022.2	1001.7	983.7
37.5°	941.3	937.5	929.8	923.3	938.7	950.3	963.1	981.1	955.4	925.9	909.2
40°	874.5	891.2	881.0	864.3	873.3	889.9	915.6	929.8	898.9	869.4	841.1
42.5°	812.9	841.1	837.3	816.7	824.5	839.9	869.4	881.0	845.0	811.6	784.6
45°	753.8	793.6	796.2	770.5	778.2	793.6	828.3	832.2	785.9	750.0	730.7
47.5°	702.5	746.1	747.4	728.1	730.7	752.5	784.6	785.9	733.3	699.9	675.5
50°	653.7	703.7	707.6	690.9	693.5	719.1	746.1	741.0	684.5	649.8	628.0
52.5°	594.6	662.6	671.6	663.9	674.2	694.7	711.4	693.5	628.0	593.3	574.0
55°	530.4	619.0	638.2	633.1	644.7	661.4	665.2	653.7	571.5	536.8	518.8
57.5°	455.9	509.8	543.2	532.9	541.9	558.6	570.2	561.2	499.6	472.6	457.2
60°	377.6	413.5	421.2	404.5	396.8	426.4	453.3	441.8	389.1	372.4	354.4
62.5°	276.1	317.2	322.3	300.5	291.5	323.6	346.7	335.2	277.4	259.4	245.3
65°	220.9	259.4	269.7	249.1	244.0	268.4	282.5	254.3	213.2	193.9	178.5
67.5°	145.1	175.9	202.9	201.6	191.3	199.1	188.8	165.7	136.1	125.9	115.6
70°	89.9	107.9	124.6	131.0	129.7	127.1	113.0	96.3	87.3	83.5	78.3
72.5°	69.3	87.3	100.2	104.0	105.3	101.5	89.9	74.5	65.5	60.4	56.5
75°	51.4	65.5	75.8	80.9	83.5	80.9	69.3	59.1	50.1	46.2	42.4
77.5°	18.0	21.8	27.0	29.5	28.3	27.0	24.4	24.4	19.3	18.0	15.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P639363
 CATALOG NUMBER: GWS-SA5B-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7	1679.7
2.5°	1519.2	1542.3	1584.7	1623.2	1664.3	1706.7	1752.9	1800.4	1822.3	1819.7
5°	1374.1	1424.2	1493.5	1569.3	1654.0	1745.2	1846.7	1950.7	1995.6	2014.9
7.5°	1282.9	1353.5	1444.7	1541.0	1652.8	1782.5	1935.3	2098.4	2163.9	2185.7
10°	1294.5	1376.7	1452.4	1546.2	1665.6	1833.8	2023.9	2217.8	2294.9	2319.3
12.5°	1388.2	1406.2	1426.7	1503.8	1654.0	1872.4	2104.8	2336.0	2424.6	2449.0
15°	1473.0	1389.5	1351.0	1421.6	1612.9	1899.3	2187.0	2463.1	2560.7	2588.9
17.5°	1476.8	1351.0	1264.9	1320.2	1546.2	1910.9	2267.9	2592.8	2699.4	2726.3
20°	1429.3	1308.6	1198.2	1199.4	1455.0	1908.3	2334.7	2709.7	2829.1	2853.5
22.5°	1360.0	1258.5	1144.2	1104.4	1357.4	1903.2	2407.9	2834.2	2963.9	2987.0
25°	1282.9	1194.3	1092.9	1032.5	1259.8	1908.3	2510.6	2997.3	3139.9	3161.7
27.5°	1199.4	1123.7	1053.0	1004.2	1177.6	1927.6	2633.9	3205.4	3374.9	3398.0
30°	1112.1	1055.6	1027.4	997.8	1126.2	1932.7	2767.4	3448.1	3662.5	3694.6
32.5°	1026.1	995.3	996.5	1001.7	1077.4	1896.8	2889.4	3717.7	4004.1	4055.5
35°	946.5	937.5	963.1	988.8	1006.8	1804.3	2996.0	4036.2	4426.6	4479.3
37.5°	878.4	886.1	918.2	943.9	929.8	1673.3	3137.3	4434.3	4899.2	4944.2
40°	812.9	832.2	869.4	881.0	870.7	1520.5	3306.8	4818.3	5308.9	5370.5
42.5°	752.5	766.7	819.3	821.9	854.0	1365.1	3469.9	5231.8	5780.2	5812.3
45°	703.7	701.2	755.1	771.8	875.8	1193.0	3629.1	5782.7	6396.6	6442.8
47.5°	656.2	653.7	666.5	742.3	884.8	1033.8	3787.1	6589.2	7290.4	7370.0
50°	611.3	615.1	575.3	728.1	836.0	911.8	3859.0	7335.3	8103.3	8136.7
52.5°	571.5	557.3	488.0	681.9	732.0	796.2	3654.8	7674.4	8606.7	8701.7
55°	515.0	436.6	402.0	553.5	577.9	694.7	2993.5	7477.9	8650.3	8818.6
57.5°	440.5	342.9	341.6	408.4	408.4	644.7	1917.3	6388.9	7454.8	7750.1
60°	339.0	265.8	282.5	283.8	262.0	470.0	1076.2	4628.2	5511.8	5805.8
62.5°	241.4	202.9	213.2	169.5	150.3	235.0	516.2	2664.7	3401.8	3442.9
65°	161.8	137.4	111.7	93.7	92.5	100.2	213.2	963.1	1171.2	1321.4
67.5°	106.6	83.5	59.1	59.1	66.8	66.8	80.9	159.2	223.5	204.2
70°	69.3	57.8	37.2	36.0	43.7	43.7	41.1	43.7	46.2	46.2
72.5°	51.4	43.7	21.8	19.3	24.4	25.7	23.1	21.8	21.8	21.8
75°	38.5	30.8	12.8	9.0	11.6	15.4	12.8	9.0	9.0	7.7
77.5°	15.4	11.6	5.1	3.9	6.4	9.0	7.7	3.9	2.6	2.6
80°	1.3	2.6	2.6	2.6	3.9	5.1	6.4	2.6	1.3	1.3
82.5°	0.0	1.3	1.3	1.3	2.6	3.9	5.1	2.6	1.3	1.3
85°	0.0	0.0	0.0	0.0	2.6	3.9	2.6	1.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	2.6	1.3	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)