

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: P634416

Luminaire Tested: GWS-SA3B-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634416
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-SA3B-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: 9936.2 lumens
Efficiency: N/A
Efficacy: 145.5 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

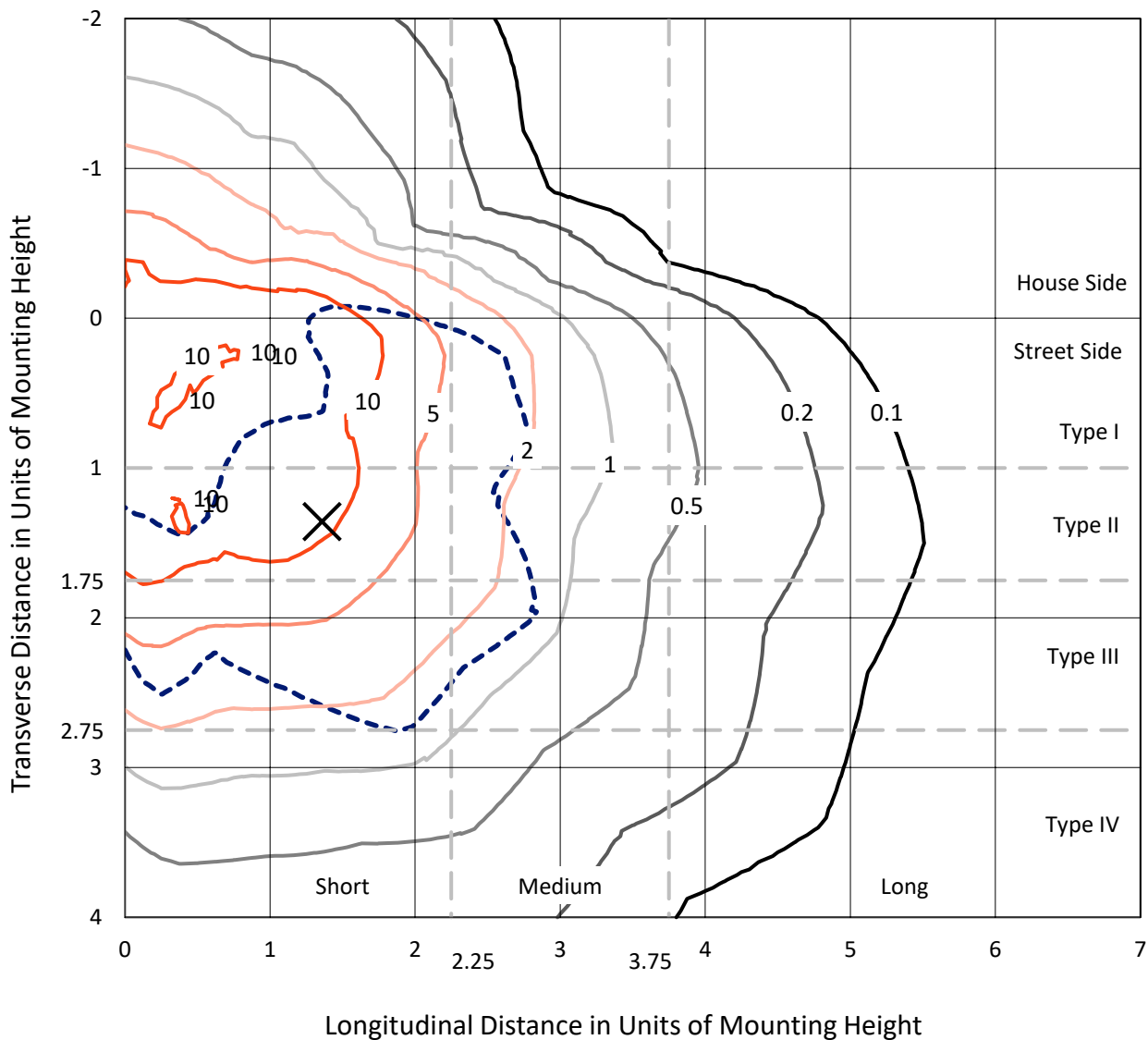
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634416
 CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

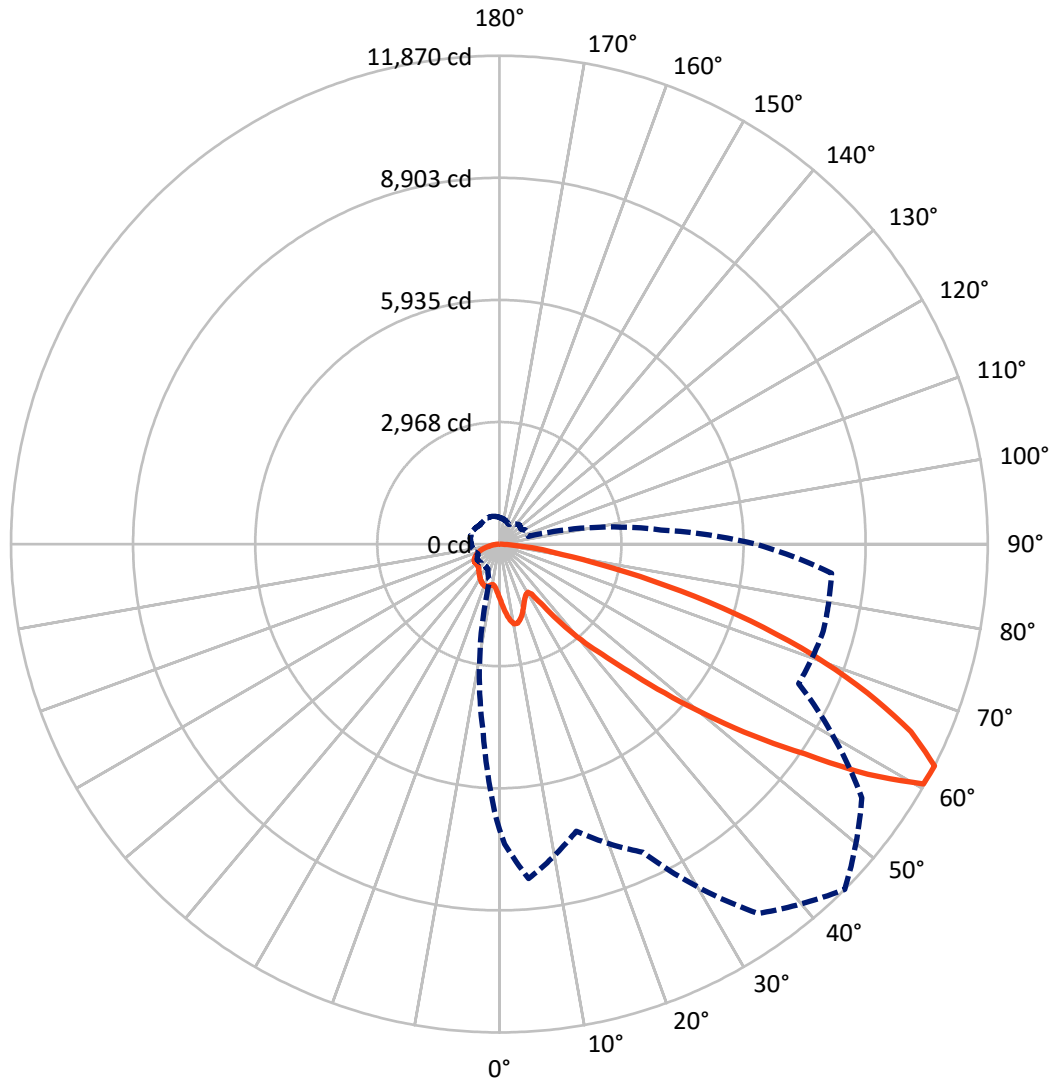
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Short - N/A

REPORT NUMBER: P634416
CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634416

CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2371.0	0.0	2371.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7565.2	0.0	7565.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	9936.2	0.0	9936.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	1.3
10°-20°	403.7	4.1
20°-30°	627.1	6.3
30°-40°	851.4	8.6
40°-50°	1349.5	13.6
50°-60°	2380.4	24.0
60°-70°	2648.6	26.7
70°-80°	1343.3	13.5
80°-90°	203.4	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°	9936.2	100.0
0°-180°	9936.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634416

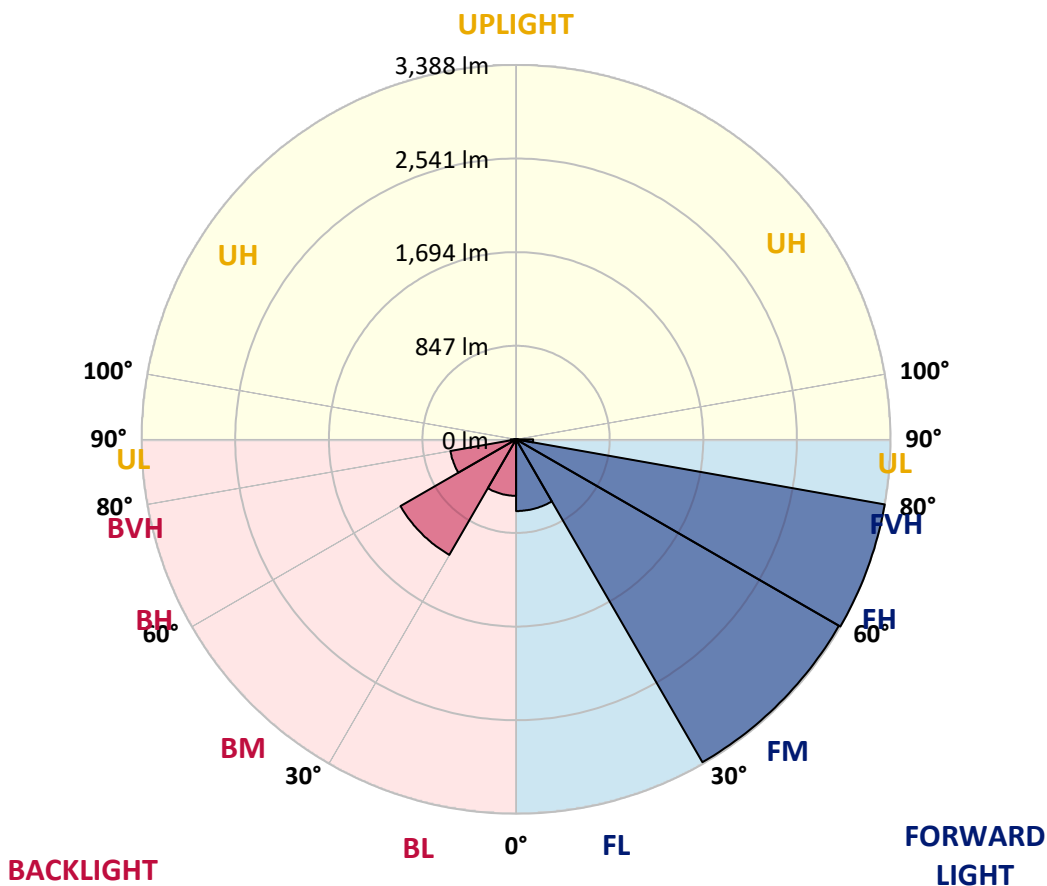
CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.8	6.5			
FM (30°-60°)	3373.8	34.0			
FH (60°-80°)	3388.3	34.1			G2/5000
FVH (80°-90°)	154.4	1.6			G2/225
BL (0°-30°)	510.9	5.1	B2/1000		
BM (30°-60°)	1207.5	12.2	B2/2500		
BH (60°-80°)	603.5	6.1	B2/1000		G2/1000
BVH (80°-90°)	49.0	0.5			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





REPORT NUMBER: P634416
 CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1417.3	1416.5	1430.8	1452.6	1473.0	1482.0	1497.0	1495.5	1483.5	1467.7	1462.4
5°	1528.6	1531.6	1556.5	1604.6	1658.0	1680.6	1690.4	1686.6	1664.8	1636.9	1588.1
7.5°	1629.4	1634.7	1673.1	1745.3	1811.5	1841.6	1865.6	1861.1	1829.5	1777.6	1705.4
10°	1703.1	1709.2	1755.1	1840.1	1913.8	1940.1	1971.0	1972.5	1944.6	1874.7	1800.9
12.5°	1776.9	1782.9	1825.8	1903.3	1951.4	1952.2	1970.2	1980.0	1981.5	1949.1	1875.4
15°	1853.6	1858.9	1898.0	1941.6	1939.4	1897.2	1897.2	1916.0	1957.4	1980.7	1929.6
17.5°	1919.1	1925.8	1955.9	1941.6	1874.7	1798.7	1789.7	1813.7	1886.0	1975.5	1970.2
20°	1973.2	1978.5	1995.0	1900.2	1778.4	1679.1	1661.8	1689.6	1787.4	1943.1	2001.0
22.5°	2025.1	2028.1	2019.1	1846.1	1674.6	1561.0	1539.9	1569.2	1674.6	1886.0	2027.4
25°	2086.8	2083.8	2040.9	1789.7	1579.8	1467.7	1445.9	1479.0	1588.8	1810.0	2056.0
27.5°	2158.3	2147.0	2059.7	1728.7	1506.8	1398.5	1383.4	1418.8	1521.1	1740.0	2078.5
30°	2219.2	2197.4	2062.7	1674.6	1469.2	1369.1	1360.1	1393.2	1488.0	1692.6	2107.1
32.5°	2286.9	2256.8	2080.0	1660.3	1490.3	1439.9	1451.9	1454.1	1497.0	1679.1	2150.0
35°	2384.0	2344.8	2127.4	1701.6	1706.9	1791.9	1835.5	1776.9	1633.2	1709.2	2231.2
37.5°	2530.7	2481.0	2223.7	1880.7	2154.5	2344.8	2450.2	2316.3	2046.9	1822.8	2353.9
40°	2708.9	2645.7	2347.1	2211.7	2572.8	2877.4	3064.8	2868.4	2472.7	2106.4	2526.1
42.5°	2957.9	2891.7	2586.3	2536.7	2960.2	3413.8	3658.3	3365.7	2848.1	2472.7	2802.2
45°	3392.0	3328.1	3024.9	2862.4	3413.8	4074.3	4417.4	4010.4	3229.5	2840.6	3318.3
47.5°	4193.9	4118.7	3676.4	3223.5	3931.4	4931.9	5411.9	4819.1	3626.0	3261.9	4184.9
50°	5156.8	5084.6	4494.1	3650.8	4503.1	5848.9	6516.2	5769.2	4082.6	3774.2	5220.8
52.5°	6315.3	6301.8	5660.9	4190.9	5098.2	6826.9	7741.7	6821.6	4582.9	4464.0	6394.3
55°	7359.5	7491.9	7142.8	5014.7	5867.0	8055.4	9001.7	7969.6	5261.4	5604.4	7768.7
57.5°	7922.2	8278.0	8814.4	6695.2	6984.9	9523.8	10556.7	9371.1	6427.4	7503.2	9043.1
60°	7550.6	7953.8	8925.7	7960.6	8093.7	10700.3	11840.0	10549.1	7572.4	8821.2	8970.9
62.5°	6932.2	7294.1	8158.4	7221.8	8265.2	10959.1	11870.1	10754.5	8027.5	8152.4	8103.5
65°	6198.7	6563.6	7479.1	6304.1	7719.8	10344.5	10994.5	10150.4	7209.8	7365.5	7383.6
67.5°	5224.5	5561.6	6493.6	5605.2	7036.8	9442.5	9650.2	9289.8	6639.6	6887.8	6628.3
70°	3903.6	4207.5	5030.5	4555.0	5931.7	8267.5	8099.7	8153.1	5999.4	6246.1	5536.7
72.5°	2667.6	2896.3	3601.9	3579.3	4542.2	6618.5	6384.6	6890.8	5010.9	5338.1	4221.0
75°	1865.6	2043.9	2603.6	2827.8	3433.4	4905.6	4546.7	5157.6	3913.3	4380.5	3079.8
77.5°	1145.0	1263.1	1644.5	2095.1	2208.7	3357.4	2824.0	3881.0	2748.1	3194.9	2054.5
80°	572.5	629.7	798.9	1317.2	1464.7	1978.5	1559.5	2253.1	1859.6	1978.5	1136.7
82.5°	173.0	191.1	234.0	500.3	759.0	1138.9	921.5	1309.0	1015.6	927.6	447.6
85°	45.9	51.9	64.7	148.2	266.3	408.5	311.4	634.2	486.7	342.3	168.5
87.5°	3.8	3.8	3.0	3.0	1.5	0.0	0.0	45.1	91.0	51.9	29.3
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: P634416
 CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1436.1	1433.1	1402.2	1379.7	1353.3	1327.8	1301.4	1278.1	1251.8	1225.5	1217.9
5°	1551.9	1530.9	1465.4	1410.5	1356.4	1309.0	1267.6	1224.7	1190.1	1156.2	1143.5
7.5°	1654.3	1617.4	1522.6	1439.1	1363.9	1305.2	1244.3	1181.8	1132.9	1084.8	1072.7
10°	1746.8	1697.9	1578.3	1473.0	1389.5	1322.5	1251.0	1167.5	1096.8	1038.1	1022.3
12.5°	1815.2	1761.8	1626.4	1505.3	1410.5	1335.3	1264.6	1190.9	1116.4	1040.4	1023.1
15°	1869.4	1813.7	1666.3	1530.1	1411.3	1314.2	1245.8	1220.2	1196.9	1122.4	1090.8
17.5°	1913.0	1854.4	1700.9	1545.2	1391.0	1250.3	1190.9	1228.5	1287.9	1241.3	1181.8
20°	1952.9	1893.5	1727.2	1555.7	1345.8	1162.3	1129.2	1208.9	1298.4	1296.9	1243.5
22.5°	1996.5	1938.6	1765.6	1561.7	1282.6	1072.7	1092.3	1180.3	1253.3	1275.1	1242.0
25°	2052.2	2001.0	1819.0	1575.3	1211.2	1011.1	1065.2	1143.5	1204.4	1209.7	1190.1
27.5°	2116.9	2078.5	1898.7	1606.9	1142.0	979.5	1033.6	1091.5	1147.2	1149.5	1126.2
30°	2187.6	2162.0	1972.5	1633.2	1090.0	969.7	993.0	1039.6	1075.0	1081.0	1060.7
32.5°	2277.9	2255.3	2037.9	1615.9	1059.2	967.4	955.4	979.5	1008.8	1008.8	993.0
35°	2402.0	2370.4	2107.1	1549.7	1021.6	958.4	915.5	922.3	935.1	937.3	928.3
37.5°	2578.0	2526.1	2177.1	1418.8	959.9	926.0	869.6	861.4	865.9	871.9	869.6
40°	2796.2	2711.2	2279.4	1261.6	886.2	863.6	822.2	806.4	802.7	814.7	819.2
42.5°	3070.8	2940.6	2389.2	1114.9	819.2	792.1	766.6	753.0	747.0	767.3	779.4
45°	3509.4	3295.0	2494.5	969.7	781.6	731.2	713.9	704.1	707.1	731.2	746.3
47.5°	4266.9	3835.8	2594.6	877.9	778.6	687.6	666.5	668.8	677.0	702.6	720.7
50°	5225.3	4560.3	2661.5	839.5	787.6	661.2	633.4	645.5	658.2	683.1	704.1
52.5°	6201.0	5235.1	2581.8	818.5	786.9	662.0	602.6	638.7	644.7	669.5	692.1
55°	6872.0	5310.3	2230.5	786.1	774.8	692.1	578.5	635.7	639.4	662.0	682.3
57.5°	7127.8	5053.0	1700.9	795.2	738.7	715.4	568.0	614.6	641.7	661.2	682.3
60°	6818.6	4567.8	1033.6	818.5	680.8	713.9	574.7	576.2	622.9	656.0	677.0
62.5°	6235.6	3944.9	725.9	752.3	638.7	674.0	590.5	531.1	589.8	629.7	648.5
65°	5567.6	3212.2	553.7	647.7	618.4	612.4	595.8	491.2	544.6	583.8	600.3
67.5°	4871.7	2496.8	449.9	483.0	558.9	553.7	544.6	455.9	491.2	519.1	537.9
70°	3995.3	1746.8	379.9	362.6	479.2	496.5	476.2	411.5	422.8	451.4	466.4
72.5°	2922.6	1088.5	312.2	299.4	385.2	434.1	423.5	362.6	367.9	394.9	407.0
75°	2101.9	622.9	250.5	246.7	294.1	371.6	350.6	312.2	318.2	338.5	346.8
77.5°	1336.0	346.8	193.3	198.6	210.6	277.6	299.4	267.1	267.1	279.1	285.9
80°	715.4	198.6	141.4	143.7	147.4	212.1	236.2	206.9	206.9	198.6	206.9
82.5°	291.9	114.3	97.0	90.3	98.5	145.2	165.5	131.6	137.7	124.1	127.1
85°	96.3	57.2	48.1	47.4	46.6	63.9	79.7	65.4	78.2	49.7	51.9
87.5°	12.8	10.5	6.0	4.5	5.3	2.3	4.5	5.3	5.3	3.8	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: P634416

CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1212.7	1206.6	1184.8	1190.1	1186.3	1180.3	1186.3	1175.1	1184.1	1187.1	1205.9
5°	1133.7	1119.4	1098.3	1087.8	1085.5	1079.5	1080.3	1075.0	1076.5	1089.3	1110.4
7.5°	1063.0	1049.4	1032.9	1025.3	1018.6	1011.8	1011.1	1010.3	1016.3	1027.6	1047.9
10°	1011.8	1004.3	997.5	1000.5	997.5	994.5	989.2	989.2	999.0	1019.3	1044.2
12.5°	1011.8	1010.3	1011.8	1020.8	1020.1	1020.8	1014.1	1017.8	1044.9	1079.5	1114.9
15°	1066.0	1053.9	1053.9	1058.4	1056.9	1056.9	1056.9	1072.7	1134.4	1187.8	1225.5
17.5°	1132.2	1096.8	1081.8	1079.5	1078.8	1078.8	1081.8	1115.6	1211.9	1268.3	1290.2
20°	1178.1	1111.1	1086.3	1076.5	1077.3	1078.8	1087.8	1134.4	1240.5	1269.1	1263.8
22.5°	1186.3	1099.8	1069.7	1055.4	1057.7	1059.2	1072.7	1122.4	1201.4	1205.9	1195.4
25°	1148.0	1068.2	1035.9	1024.6	1027.6	1026.9	1038.9	1075.0	1131.4	1129.9	1123.9
27.5°	1090.8	1017.8	993.8	986.2	991.5	985.5	989.2	1017.1	1060.7	1059.2	1056.9
30°	1032.1	968.9	947.1	943.4	950.1	941.1	941.8	965.2	995.3	993.8	993.0
32.5°	973.4	920.0	900.5	900.5	907.2	897.5	899.0	919.3	939.6	933.6	933.6
35°	917.8	880.2	864.4	861.4	866.6	859.8	862.9	881.7	889.2	880.9	875.6
37.5°	868.9	852.3	836.5	826.0	826.7	827.5	836.5	850.8	846.3	834.3	827.5
40°	823.7	823.7	808.7	789.1	786.9	792.1	807.2	823.0	810.2	796.7	788.4
42.5°	791.4	798.2	783.9	764.3	759.8	768.8	785.4	796.7	781.6	766.6	755.3
45°	761.3	777.9	768.1	746.3	740.2	750.8	771.8	776.3	756.0	741.7	733.5
47.5°	740.2	762.8	756.0	735.0	725.9	741.0	762.8	762.1	736.5	721.4	714.7
50°	725.2	753.8	753.0	735.0	725.2	744.0	763.6	753.8	725.9	710.1	703.4
52.5°	713.2	753.0	758.3	747.8	741.0	757.5	769.6	750.8	718.4	701.9	696.6
55°	707.9	756.0	759.8	750.0	744.0	759.0	769.6	756.8	718.4	703.4	698.9
57.5°	709.4	752.3	753.0	739.5	729.0	747.8	764.3	760.5	726.7	709.4	704.1
60°	700.4	732.0	733.5	712.4	700.4	722.9	752.3	750.0	722.9	704.9	695.1
62.5°	670.3	698.1	698.9	679.3	662.0	694.3	726.7	725.9	701.1	683.1	671.8
65°	619.9	649.2	656.7	637.9	624.4	659.0	692.8	691.3	666.5	650.0	638.7
67.5°	557.4	589.0	603.3	590.5	585.3	616.9	648.5	647.7	627.4	611.6	601.8
70°	481.5	507.8	531.9	531.9	528.1	564.2	598.1	595.0	576.2	564.2	556.7
72.5°	418.3	438.6	446.1	453.6	464.9	502.5	531.1	533.4	519.8	513.8	519.8
75°	355.8	368.6	375.4	369.4	388.9	428.0	465.7	469.4	455.1	445.3	447.6
77.5°	292.6	306.9	313.7	300.2	298.7	348.3	394.2	402.5	390.4	375.4	379.9
80°	211.4	230.2	241.5	232.5	229.4	251.3	314.5	323.5	312.2	300.2	306.9
82.5°	129.4	139.9	142.9	152.0	170.8	179.8	202.4	232.5	224.2	213.6	232.5
85°	51.2	60.9	67.7	76.7	89.5	106.1	124.9	149.0	135.4	130.9	154.2
87.5°	3.0	0.8	0.0	1.5	12.8	24.8	53.4	73.7	61.7	66.2	79.7
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: P634416
 CATALOG NUMBER: GWS-SA3B-760-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7	1318.7
2.5°	1220.9	1240.5	1266.8	1288.6	1316.5	1342.8	1369.9	1397.0	1411.3	1417.3
5°	1134.4	1170.5	1212.7	1259.3	1313.5	1370.6	1428.6	1488.0	1525.6	1528.6
7.5°	1082.5	1134.4	1192.4	1251.0	1318.0	1397.0	1488.8	1580.5	1618.9	1629.4
10°	1099.1	1157.0	1202.9	1257.8	1331.5	1430.1	1538.4	1646.0	1690.4	1703.1
12.5°	1165.3	1176.6	1190.9	1241.3	1331.5	1458.7	1589.6	1717.4	1764.8	1776.9
15°	1220.2	1166.0	1140.4	1193.9	1313.5	1483.5	1643.7	1785.1	1842.3	1853.6
17.5°	1224.7	1131.4	1075.8	1123.9	1281.9	1500.8	1695.6	1860.4	1908.5	1919.1
20°	1178.8	1094.6	1022.3	1051.7	1239.0	1508.3	1733.2	1915.3	1962.7	1973.2
22.5°	1126.9	1064.5	986.2	984.7	1187.1	1516.6	1778.4	1967.2	2018.4	2025.1
25°	1078.0	1023.1	956.9	935.8	1126.9	1532.4	1839.3	2045.4	2084.6	2086.8
27.5°	1020.8	978.7	933.6	913.3	1074.2	1562.5	1929.6	2138.7	2162.0	2158.3
30°	968.9	937.3	917.0	911.0	1041.1	1585.0	2015.3	2230.5	2232.0	2219.2
32.5°	914.0	902.0	902.0	921.5	1014.1	1579.8	2085.3	2320.0	2305.7	2286.9
35°	865.1	867.4	883.2	929.1	968.9	1527.1	2152.3	2432.1	2411.0	2384.0
37.5°	818.5	835.8	858.3	902.7	909.5	1448.9	2230.5	2590.8	2564.5	2530.7
40°	778.6	804.9	831.3	853.1	846.3	1337.5	2339.6	2777.4	2748.1	2708.9
42.5°	747.0	772.6	801.9	804.2	806.4	1221.7	2455.4	3006.1	3000.8	2957.9
45°	726.7	743.2	771.1	767.3	804.2	1093.8	2562.2	3355.1	3424.4	3392.0
47.5°	713.2	725.9	729.0	744.8	823.7	979.5	2699.9	4038.2	4230.8	4193.9
50°	705.6	718.4	684.6	746.3	826.7	905.7	2890.2	4895.8	5205.7	5156.8
52.5°	704.9	701.9	650.7	762.1	810.2	860.6	2989.5	5521.7	6209.3	6315.3
55°	706.4	668.8	633.4	766.6	777.1	844.1	2657.0	5822.6	7135.3	7359.5
57.5°	692.8	632.7	643.2	748.5	714.7	888.4	1964.2	5715.0	7505.4	7922.2
60°	667.3	598.1	661.2	699.6	650.7	812.5	1352.6	5235.1	7121.8	7550.6
62.5°	630.4	574.0	659.0	636.4	627.4	665.0	929.8	4563.3	6513.2	6932.2
65°	589.0	554.4	623.6	575.5	580.8	511.5	657.5	3805.0	5786.5	6198.7
67.5°	544.6	542.4	571.7	512.3	490.5	405.5	479.2	3049.7	4852.9	5224.5
70°	494.2	510.8	519.8	455.1	398.0	318.2	355.8	2132.7	3580.1	3903.6
72.5°	443.8	445.3	458.1	395.7	297.9	255.0	267.1	1291.7	2432.1	2667.6
75°	392.7	378.4	390.4	322.0	221.9	209.1	206.1	798.2	1679.8	1865.6
77.5°	337.8	322.0	306.2	242.2	178.3	161.7	158.0	447.6	1030.6	1145.0
80°	274.6	253.5	228.7	177.5	130.1	115.9	115.1	218.2	513.8	572.5
82.5°	213.6	173.8	167.0	110.6	80.5	70.7	75.2	83.5	155.0	173.0
85°	149.7	126.4	88.8	44.4	36.1	29.3	28.6	24.8	41.4	45.9
87.5°	83.5	54.9	28.6	5.3	6.0	6.8	5.3	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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