

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: P633423

Luminaire Tested: GWS-SA2E-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633423
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-SA2E-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7853.5 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

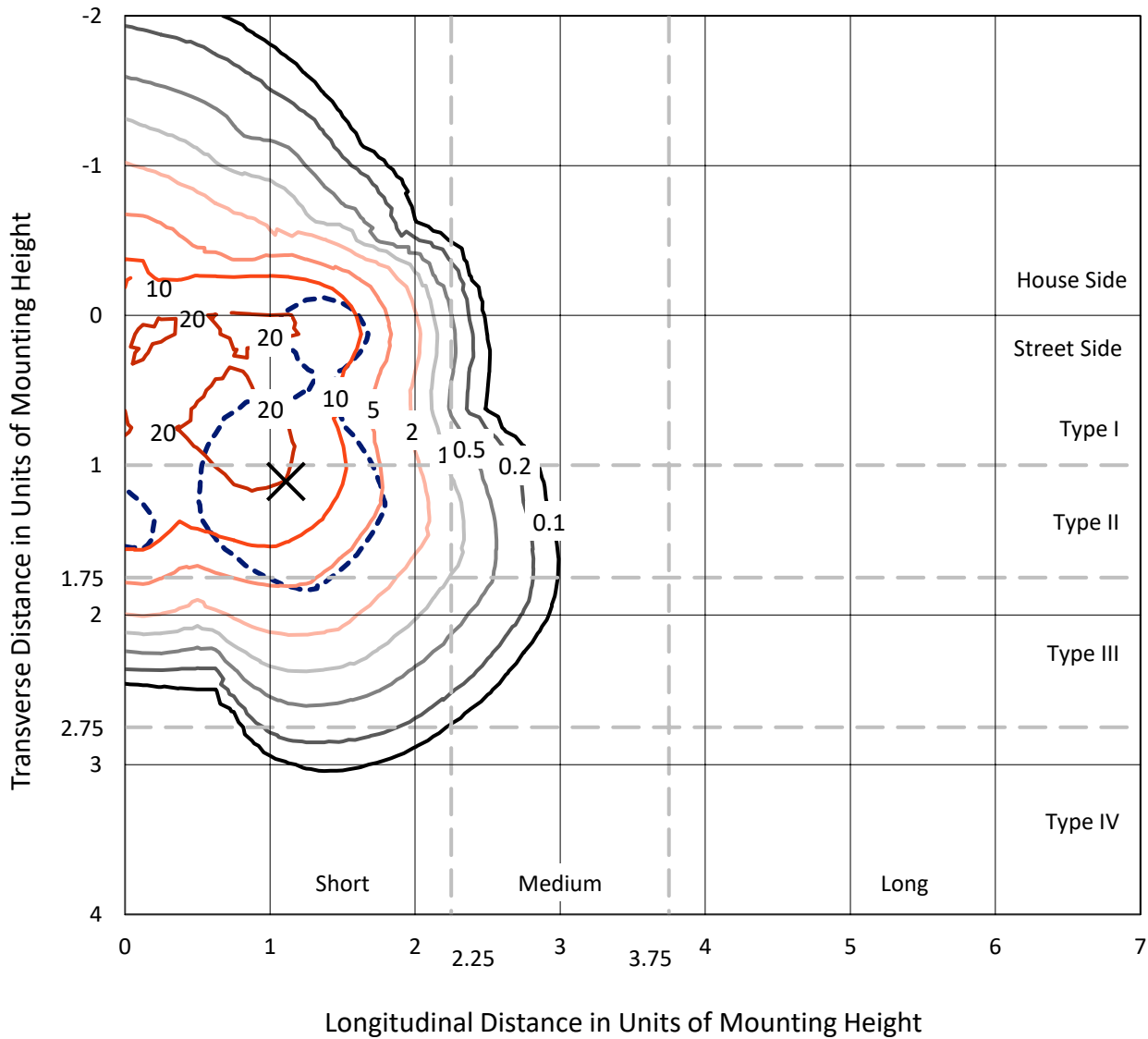
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633423
 CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

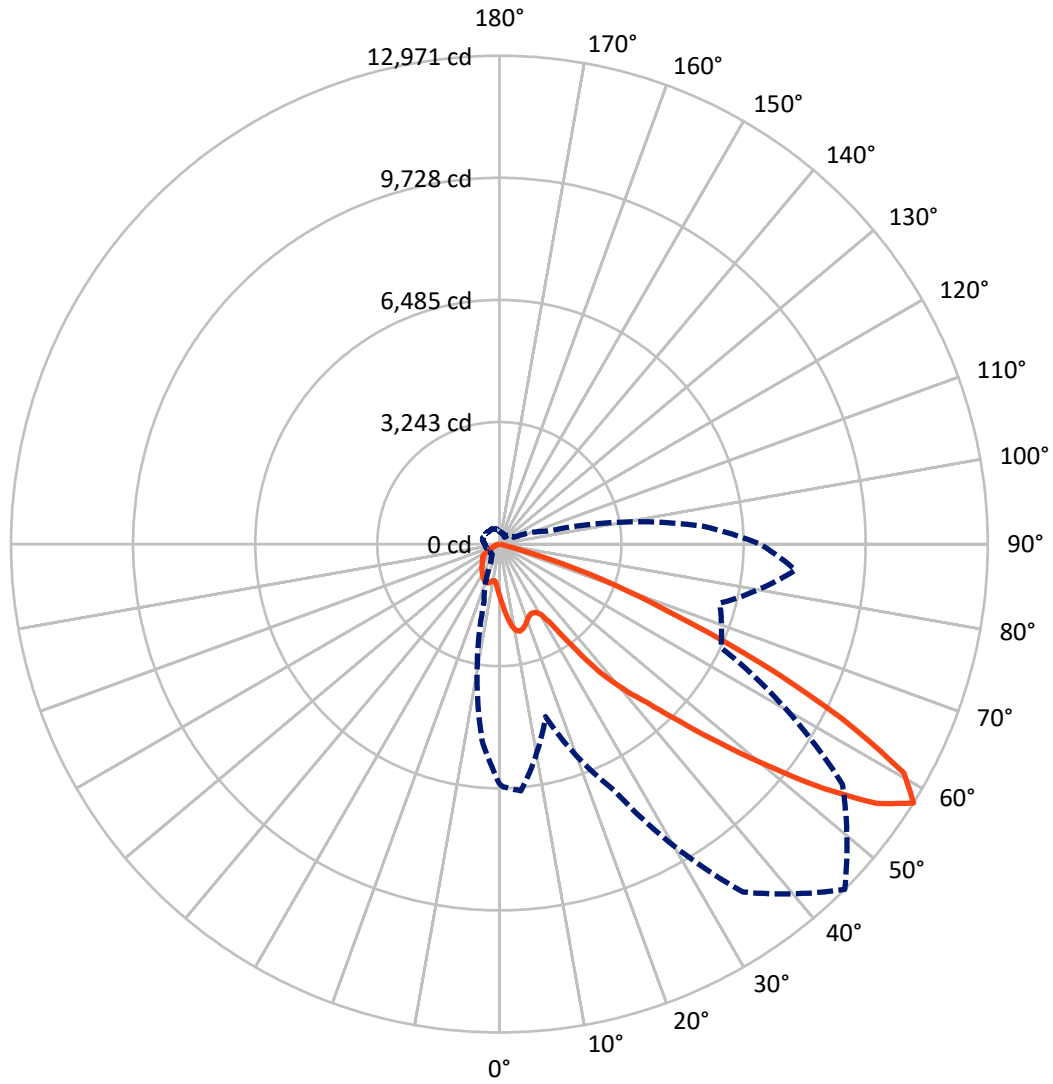
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.6 fc
 Type III - Short - N/A

REPORT NUMBER: P633423
CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633423

CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1758.6	0.0	1758.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6094.9	0.0	6094.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	7853.5	0.0	7853.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	1.7
10°-20°	439.3	5.6
20°-30°	713.6	9.1
30°-40°	1102.6	14.0
40°-50°	1768.0	22.5
50°-60°	2416.4	30.8
60°-70°	1170.3	14.9
70°-80°	107.2	1.4
80°-90°	0.3	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°	7853.5	100.0
0°-180°	7853.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633423

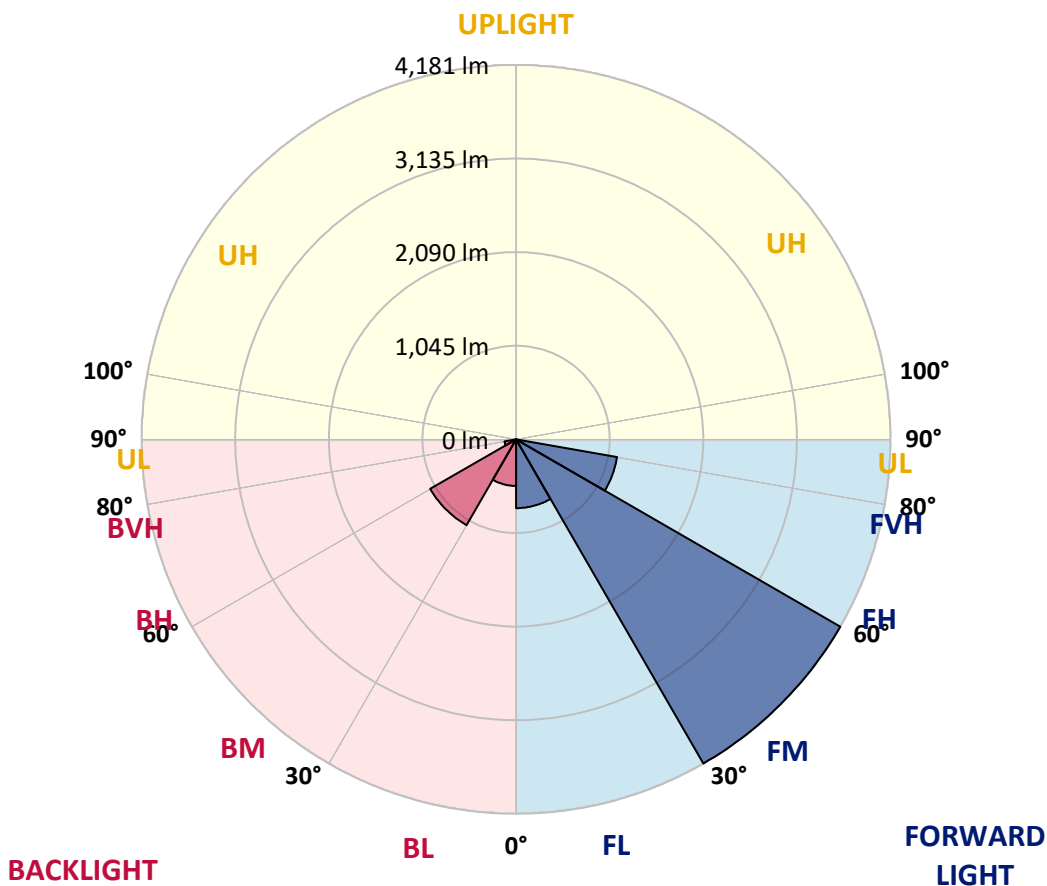
CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.3	9.8			
FM (30°-60°)	4180.6	53.2			
FH (60°-80°)	1145.7	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	520.4	6.6	B2/1000		
BM (30°-60°)	1106.4	14.1	B2/2500		
BH (60°-80°)	131.8	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: P633423
 CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1495.4	1504.9	1520.7	1554.5	1583.0	1602.0	1610.4	1608.3	1596.7	1588.2	1571.3
5°	1655.8	1655.8	1686.4	1763.4	1822.5	1859.4	1878.4	1866.8	1843.6	1806.7	1749.7
7.5°	1796.1	1801.4	1853.1	1962.9	2052.6	2105.3	2135.9	2129.6	2088.4	2017.7	1903.8
10°	1905.9	1912.2	1980.8	2114.8	2220.4	2274.2	2319.6	2323.8	2278.4	2184.5	2053.6
12.5°	2012.5	2018.8	2090.6	2219.3	2312.2	2334.3	2374.4	2390.3	2378.7	2312.2	2176.0
15°	2127.5	2142.3	2203.5	2299.5	2338.6	2312.2	2338.6	2367.0	2406.1	2399.8	2277.3
17.5°	2240.4	2251.0	2313.2	2347.0	2303.7	2235.1	2247.8	2281.6	2370.2	2456.7	2377.6
20°	2344.9	2359.7	2411.4	2367.0	2236.2	2129.6	2130.7	2175.0	2310.1	2491.6	2480.0
22.5°	2454.6	2476.8	2513.7	2389.2	2173.9	2046.2	2051.5	2091.6	2262.6	2524.3	2596.0
25°	2598.2	2619.3	2643.5	2444.1	2153.9	2005.1	2025.1	2062.1	2262.6	2580.2	2739.6
27.5°	2792.3	2807.1	2808.2	2546.4	2188.7	2011.4	2053.6	2095.8	2330.1	2692.1	2931.6
30°	3036.1	3059.3	3028.7	2705.8	2297.4	2095.8	2158.1	2210.9	2475.7	2881.0	3214.5
32.5°	3332.6	3365.4	3324.2	2942.2	2524.3	2387.1	2500.0	2530.6	2707.9	3154.3	3535.3
35°	3680.9	3708.3	3664.0	3269.3	3054.0	3079.4	3284.1	3245.1	3174.4	3490.9	3909.9
37.5°	4062.9	4088.2	4002.8	3765.3	3837.1	3946.8	4274.0	4140.0	3912.0	3924.7	4316.2
40°	4413.3	4440.7	4306.7	4304.6	4452.3	4652.8	5047.5	4862.8	4552.6	4492.4	4697.2
42.5°	4776.3	4795.3	4673.9	4591.6	4927.2	5339.8	5757.7	5508.7	4976.8	4911.4	5174.2
45°	5294.5	5334.6	5118.2	4733.0	5354.6	6130.3	6712.8	6226.3	5266.0	5213.2	5904.4
47.5°	6056.4	6085.9	5644.8	4821.7	5752.5	7114.9	7906.3	7157.1	5520.3	5400.0	6902.7
50°	6686.4	6706.5	6129.2	4918.8	6175.6	8176.5	9266.6	8260.9	5806.3	5709.2	7834.6
52.5°	7150.7	7226.7	6765.6	5118.2	6731.8	9424.9	10772.5	9568.4	6252.7	6306.5	8607.1
55°	7246.8	7350.2	7200.3	5240.6	7221.4	10696.6	12163.4	10738.8	6698.0	6759.2	8866.7
57.5°	6368.8	6451.1	6575.6	4746.8	7209.8	11279.1	12970.7	11127.1	6495.4	6061.7	7894.7
60°	4771.0	4828.0	5053.8	3628.1	6630.5	10764.1	12341.8	10466.5	5679.6	4625.4	6015.2
62.5°	2829.3	2854.6	3140.6	2350.2	5503.4	9269.8	10235.4	9031.3	4488.2	3111.0	3684.1
65°	1085.9	1075.4	1293.8	1159.8	4047.1	7384.0	7613.0	6884.8	3079.4	1425.7	1404.6
67.5°	167.8	160.4	216.3	343.0	2919.0	5117.2	5023.2	4962.0	1929.1	332.4	290.2
70°	38.0	38.0	46.4	101.3	1783.5	3006.6	3217.6	3067.8	1234.7	70.7	38.0
72.5°	17.9	17.9	22.2	43.3	645.8	1238.9	1443.7	1421.5	401.0	23.2	13.7
75°	6.3	7.4	7.4	9.5	39.0	64.4	147.7	105.5	25.3	0.0	0.0
77.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	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: P633423
 CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1534.4	1527.0	1499.6	1462.7	1426.8	1395.1	1362.4	1323.4	1294.9	1262.1	1251.6
5°	1705.4	1658.9	1584.0	1505.9	1434.2	1372.9	1313.9	1250.5	1204.1	1157.7	1141.8
7.5°	1849.9	1781.4	1660.0	1542.9	1444.7	1358.2	1272.7	1186.2	1118.6	1063.7	1046.9
10°	1979.7	1900.6	1738.1	1593.5	1470.0	1369.8	1266.4	1157.7	1070.1	1004.6	988.8
12.5°	2091.6	1999.8	1804.6	1631.5	1480.6	1365.6	1265.3	1178.8	1099.6	1024.7	1004.6
15°	2185.5	2084.2	1860.5	1656.8	1464.8	1312.8	1225.2	1211.5	1205.2	1122.8	1083.8
17.5°	2277.3	2163.4	1905.9	1668.4	1420.4	1219.9	1156.6	1218.9	1285.4	1231.5	1181.9
20°	2373.4	2243.6	1952.3	1670.5	1346.6	1115.5	1104.9	1203.0	1287.5	1270.6	1224.2
22.5°	2486.3	2343.8	2010.4	1669.5	1253.7	1026.8	1066.9	1172.4	1241.0	1240.0	1203.0
25°	2649.9	2470.5	2088.4	1675.8	1152.4	958.2	1024.7	1120.7	1176.7	1174.6	1143.9
27.5°	2825.0	2621.4	2189.8	1691.7	1065.9	918.1	975.1	1050.0	1098.6	1096.5	1070.1
30°	3070.9	2795.5	2286.8	1692.7	1003.6	897.0	920.2	971.9	1018.4	1013.1	993.0
32.5°	3369.6	2991.8	2368.1	1632.6	964.5	877.0	863.2	889.6	925.5	918.1	912.8
35°	3730.5	3225.0	2437.8	1500.6	904.4	836.9	799.9	805.2	830.5	834.7	832.6
37.5°	4142.1	3502.6	2524.3	1326.5	823.1	778.8	729.2	725.0	739.8	753.5	764.0
40°	4548.4	3814.9	2641.4	1150.3	749.3	704.9	657.5	646.9	653.2	677.5	699.7
42.5°	5005.3	4176.9	2768.1	999.4	698.6	623.7	578.3	558.3	576.2	615.2	641.6
45°	5663.8	4684.5	2891.5	879.1	677.5	551.9	490.7	488.6	508.7	559.3	588.9
47.5°	6588.3	5340.9	2972.8	785.1	676.4	496.0	423.2	435.8	459.1	508.7	542.4
50°	7489.5	6163.0	2883.1	713.4	654.3	459.1	372.5	397.8	421.1	464.3	499.2
52.5°	8033.0	6605.1	2533.8	645.8	585.7	442.2	322.9	367.2	371.5	410.5	447.4
55°	7976.0	6319.2	1940.7	541.4	484.4	417.9	271.2	331.4	333.5	363.0	394.7
57.5°	6922.8	5425.3	1332.8	439.0	364.1	345.1	223.7	279.7	299.7	317.6	340.9
60°	5159.4	3958.4	594.1	356.7	231.1	233.2	191.0	211.1	241.7	262.8	282.8
62.5°	3040.3	2277.3	241.7	214.2	127.7	146.7	154.1	154.1	173.1	188.9	201.6
65°	1149.2	796.8	98.1	107.6	66.5	68.6	90.8	111.9	126.6	140.4	157.2
67.5°	201.6	139.3	50.7	40.1	39.0	34.8	46.4	72.8	81.3	91.8	99.2
70°	33.8	28.5	21.1	20.1	17.9	19.0	30.6	51.7	57.0	60.2	63.3
72.5°	9.5	8.4	6.3	5.3	4.2	5.3	19.0	40.1	42.2	44.3	47.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.4	28.5	30.6	31.7	34.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	8.4	10.6	8.4
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: P633423

CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1245.3	1224.2	1212.5	1206.2	1206.2	1197.8	1188.3	1185.1	1198.8	1198.8	1222.0
5°	1121.8	1104.9	1085.9	1074.3	1056.4	1059.5	1049.0	1047.9	1061.6	1068.0	1092.2
7.5°	1036.3	1015.2	1003.6	996.2	986.7	982.5	973.0	969.8	977.2	987.8	1011.0
10°	979.3	976.2	975.1	980.4	980.4	975.1	966.7	961.4	963.5	983.5	1009.9
12.5°	994.1	1000.4	1002.5	1011.0	1015.2	1011.0	1004.6	1006.8	1020.5	1057.4	1096.5
15°	1058.5	1053.2	1051.1	1055.3	1058.5	1054.2	1052.1	1068.0	1115.5	1168.2	1212.5
17.5°	1127.1	1093.3	1078.5	1078.5	1080.6	1078.5	1080.6	1111.2	1188.3	1241.0	1273.8
20°	1161.9	1099.6	1076.4	1071.1	1075.4	1076.4	1083.8	1118.6	1203.0	1240.0	1247.4
22.5°	1151.3	1073.2	1046.9	1042.6	1046.9	1051.1	1058.5	1088.0	1167.2	1186.2	1183.0
25°	1098.6	1021.5	1000.4	1000.4	1009.9	1008.9	1012.0	1033.1	1098.6	1110.2	1104.9
27.5°	1032.1	959.3	941.3	951.9	960.3	958.2	959.3	977.2	1025.8	1028.9	1023.6
30°	964.5	901.2	884.3	897.0	908.6	906.5	907.6	925.5	956.1	952.9	945.6
32.5°	896.0	849.5	836.9	844.2	862.2	860.1	864.3	883.3	894.9	881.2	872.7
35°	832.6	808.4	798.9	803.1	816.8	820.0	827.4	840.0	840.0	823.1	808.4
37.5°	773.5	770.4	764.0	758.8	771.4	780.9	791.5	806.3	785.1	760.9	747.2
40°	718.7	732.4	723.9	710.2	717.6	731.3	752.4	764.0	738.7	714.4	691.2
42.5°	668.0	691.2	688.1	671.2	677.5	690.2	714.4	723.9	694.4	667.0	644.8
45°	619.5	652.2	654.3	633.2	639.5	652.2	680.7	683.8	645.8	616.3	600.5
47.5°	577.3	613.1	614.2	598.4	600.5	618.4	644.8	645.8	602.6	575.1	555.1
50°	537.1	578.3	581.5	567.8	569.9	591.0	613.1	608.9	562.5	534.0	516.0
52.5°	488.6	544.5	551.9	545.6	554.0	570.9	584.6	569.9	516.0	487.6	471.7
55°	435.8	508.7	524.5	520.3	529.8	543.5	546.6	537.1	469.6	441.1	426.3
57.5°	374.6	419.0	446.4	438.0	445.3	459.1	468.6	461.2	410.5	388.4	375.7
60°	310.3	339.8	346.1	332.4	326.1	350.4	372.5	363.0	319.8	306.0	291.3
62.5°	226.9	260.7	264.9	246.9	239.6	265.9	284.9	275.4	227.9	213.2	201.6
65°	181.5	213.2	221.6	204.7	200.5	220.6	232.2	209.0	175.2	159.4	146.7
67.5°	119.2	144.6	166.7	165.7	157.2	163.6	155.1	136.1	111.9	103.4	95.0
70°	73.9	88.6	102.4	107.6	106.6	104.5	92.9	79.1	71.8	68.6	64.4
72.5°	57.0	71.8	82.3	85.5	86.5	83.4	73.9	61.2	53.8	49.6	46.4
75°	42.2	53.8	62.3	66.5	68.6	66.5	57.0	48.5	41.2	38.0	34.8
77.5°	14.8	17.9	22.2	24.3	23.2	22.2	20.1	20.1	15.8	14.8	12.7
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: P633423
 CATALOG NUMBER: GWS-SA2E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3
2.5°	1248.4	1267.4	1302.2	1333.9	1367.7	1402.5	1440.5	1479.5	1497.5	1495.4
5°	1129.2	1170.3	1227.3	1289.6	1359.2	1434.2	1517.5	1603.0	1639.9	1655.8
7.5°	1054.2	1112.3	1187.2	1266.4	1358.2	1464.8	1590.3	1724.4	1778.2	1796.1
10°	1063.7	1131.3	1193.5	1270.6	1368.7	1507.0	1663.2	1822.5	1885.8	1905.9
12.5°	1140.8	1155.6	1172.4	1235.8	1359.2	1538.6	1729.6	1919.6	1992.4	2012.5
15°	1210.4	1141.8	1110.2	1168.2	1325.5	1560.8	1797.2	2024.1	2104.3	2127.5
17.5°	1213.6	1110.2	1039.5	1084.9	1270.6	1570.3	1863.7	2130.7	2218.2	2240.4
20°	1174.6	1075.4	984.6	985.7	1195.7	1568.2	1918.5	2226.7	2324.8	2344.9
22.5°	1117.6	1034.2	940.3	907.6	1115.5	1564.0	1978.7	2329.1	2435.6	2454.6
25°	1054.2	981.4	898.1	848.5	1035.3	1568.2	2063.1	2463.1	2580.2	2598.2
27.5°	985.7	923.4	865.3	825.2	967.7	1584.0	2164.4	2634.0	2773.3	2792.3
30°	913.9	867.5	844.2	820.0	925.5	1588.2	2274.2	2833.5	3009.7	3036.1
32.5°	843.2	817.9	818.9	823.1	885.4	1558.7	2374.4	3055.1	3290.4	3332.6
35°	777.8	770.4	791.5	812.6	827.4	1482.7	2462.0	3316.8	3637.6	3680.9
37.5°	721.8	728.2	754.5	775.6	764.0	1375.1	2578.1	3644.0	4026.0	4062.9
40°	668.0	683.8	714.4	723.9	715.5	1249.5	2717.4	3959.5	4362.6	4413.3
42.5°	618.4	630.0	673.3	675.4	701.8	1121.8	2851.4	4299.3	4749.9	4776.3
45°	578.3	576.2	620.5	634.2	719.7	980.4	2982.3	4752.0	5256.5	5294.5
47.5°	539.3	537.1	547.7	610.0	727.1	849.5	3112.1	5414.8	5991.0	6056.4
50°	502.3	505.5	472.8	598.4	687.0	749.3	3171.2	6027.9	6659.0	6686.4
52.5°	469.6	458.0	401.0	560.4	601.5	654.3	3003.4	6306.5	7072.6	7150.7
55°	423.2	358.8	330.3	454.8	474.9	570.9	2459.9	6145.0	7108.5	7246.8
57.5°	362.0	281.8	280.7	335.6	335.6	529.8	1575.6	5250.1	6126.0	6368.8
60°	278.6	218.4	232.2	233.2	215.3	386.2	884.3	3803.3	4529.4	4771.0
62.5°	198.4	166.7	175.2	139.3	123.5	193.1	424.2	2189.8	2795.5	2829.3
65°	133.0	112.9	91.8	77.0	76.0	82.3	175.2	791.5	962.4	1085.9
67.5°	87.6	68.6	48.5	48.5	54.9	54.9	66.5	130.9	183.6	167.8
70°	57.0	47.5	30.6	29.5	35.9	35.9	33.8	35.9	38.0	38.0
72.5°	42.2	35.9	17.9	15.8	20.1	21.1	19.0	17.9	17.9	17.9
75°	31.7	25.3	10.6	7.4	9.5	12.7	10.6	7.4	7.4	6.3
77.5°	12.7	9.5	4.2	3.2	5.3	7.4	6.3	3.2	2.1	2.1
80°	1.1	2.1	2.1	2.1	3.2	4.2	5.3	2.1	1.1	1.1
82.5°	0.0	1.1	1.1	1.1	2.1	3.2	4.2	2.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	2.1	3.2	2.1	1.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.1	3.2	2.1	1.1	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)