

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: P635179

Luminaire Tested: GWS-SA3D-730-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8593 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

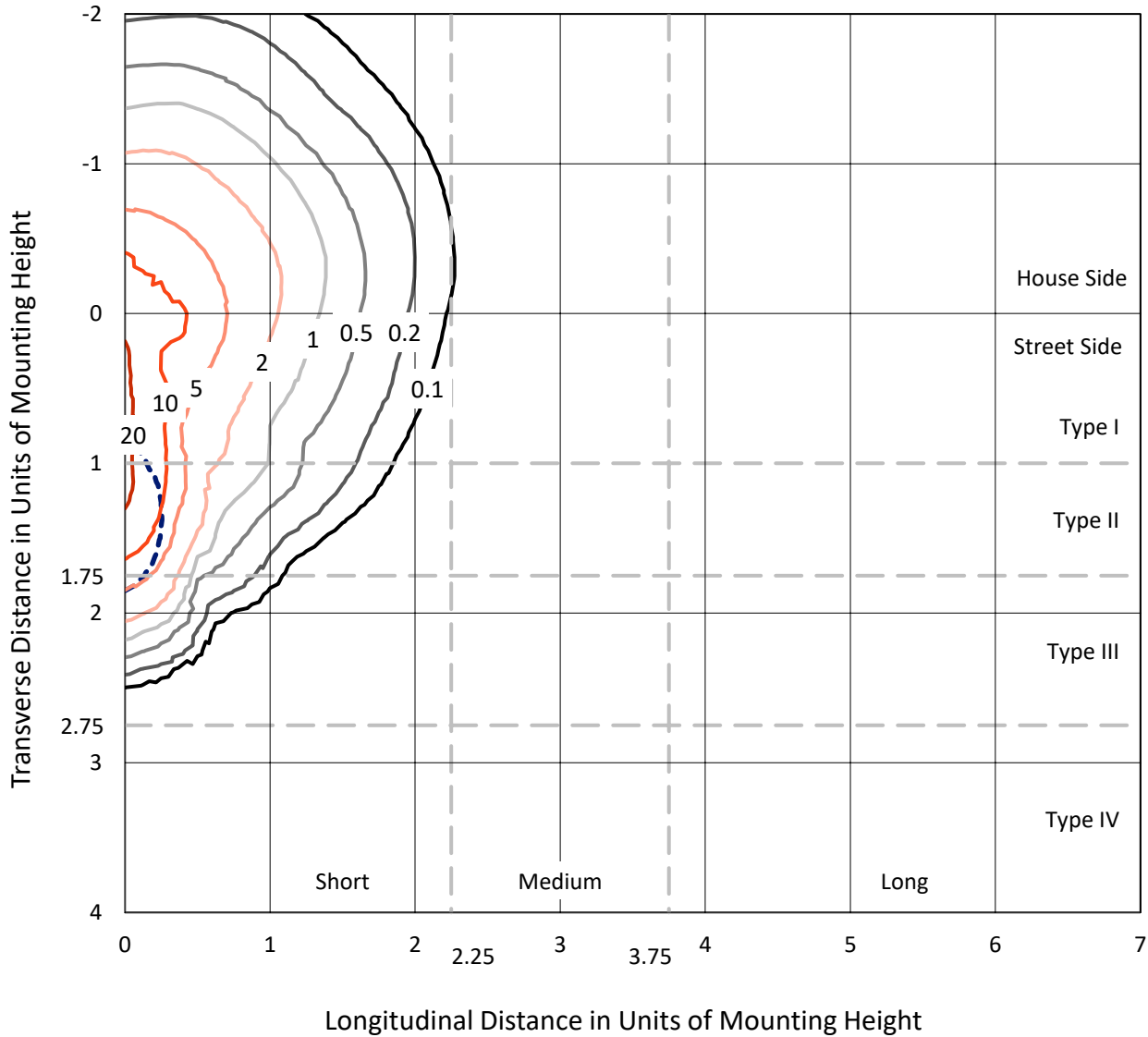
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635179
 CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

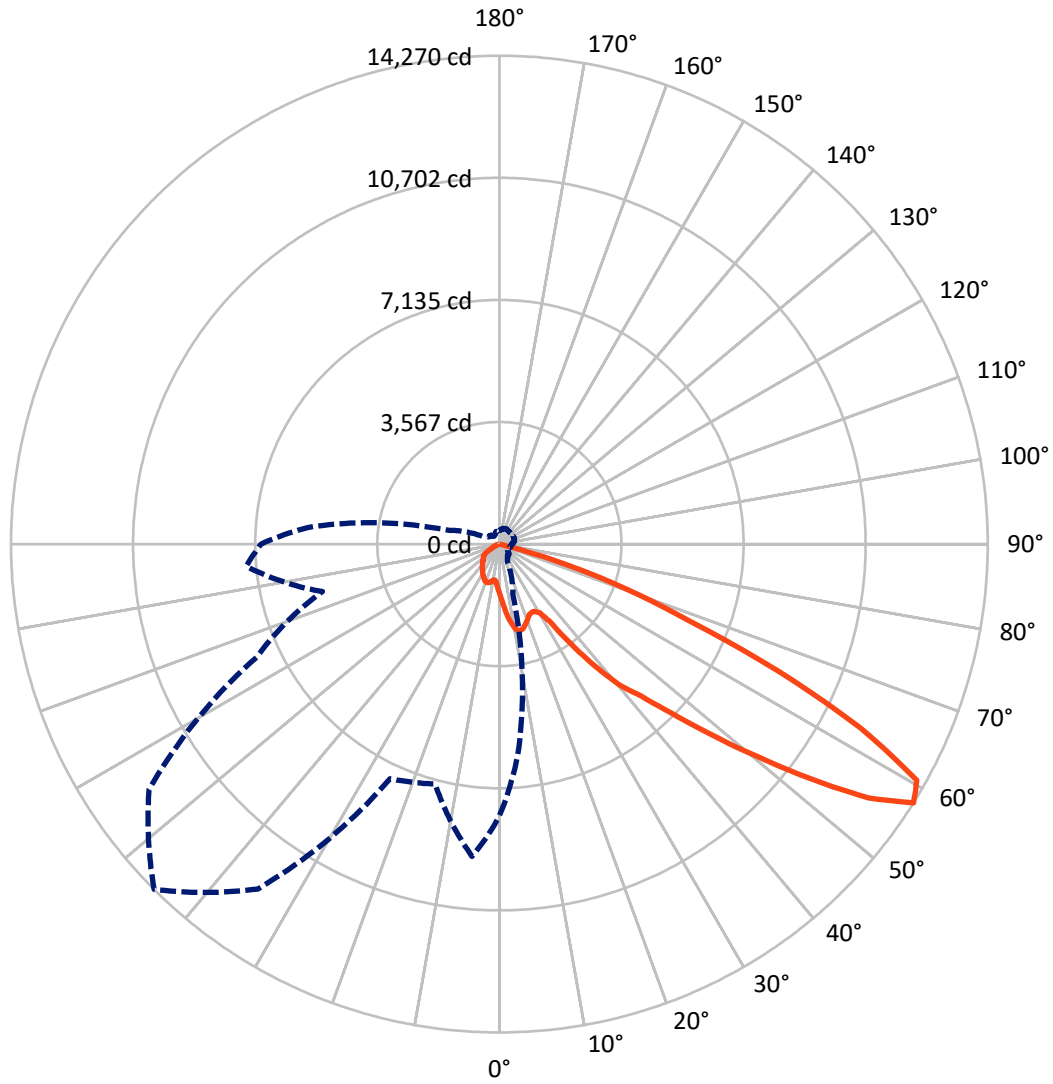
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.9 fc
 Type III - Short - N/A

REPORT NUMBER: P635179
CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635179
 CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

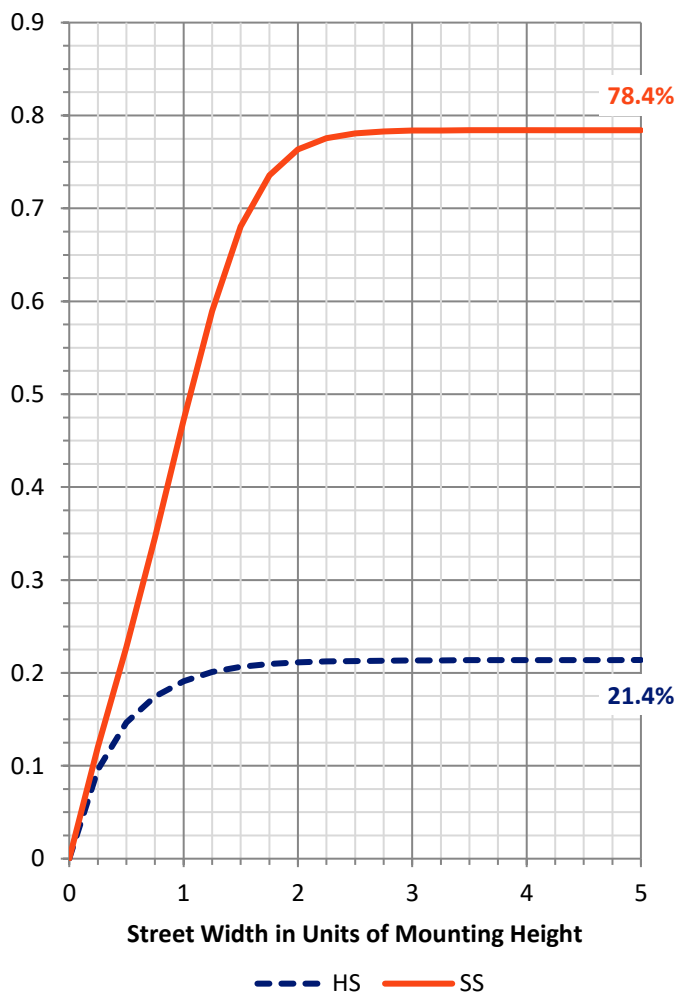
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1851.2	0.0	1851.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6741.8	0.0	6741.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	8593.0	0.0	8593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	1.7
10°-20°	474.9	5.5
20°-30°	770.6	9.0
30°-40°	1182.8	13.8
40°-50°	1888.9	22.0
50°-60°	2644.9	30.8
60°-70°	1356.1	15.8
70°-80°	130.6	1.5
80°-90°	0.0	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°	8593.0	100.0
0°-180°	8593.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635179

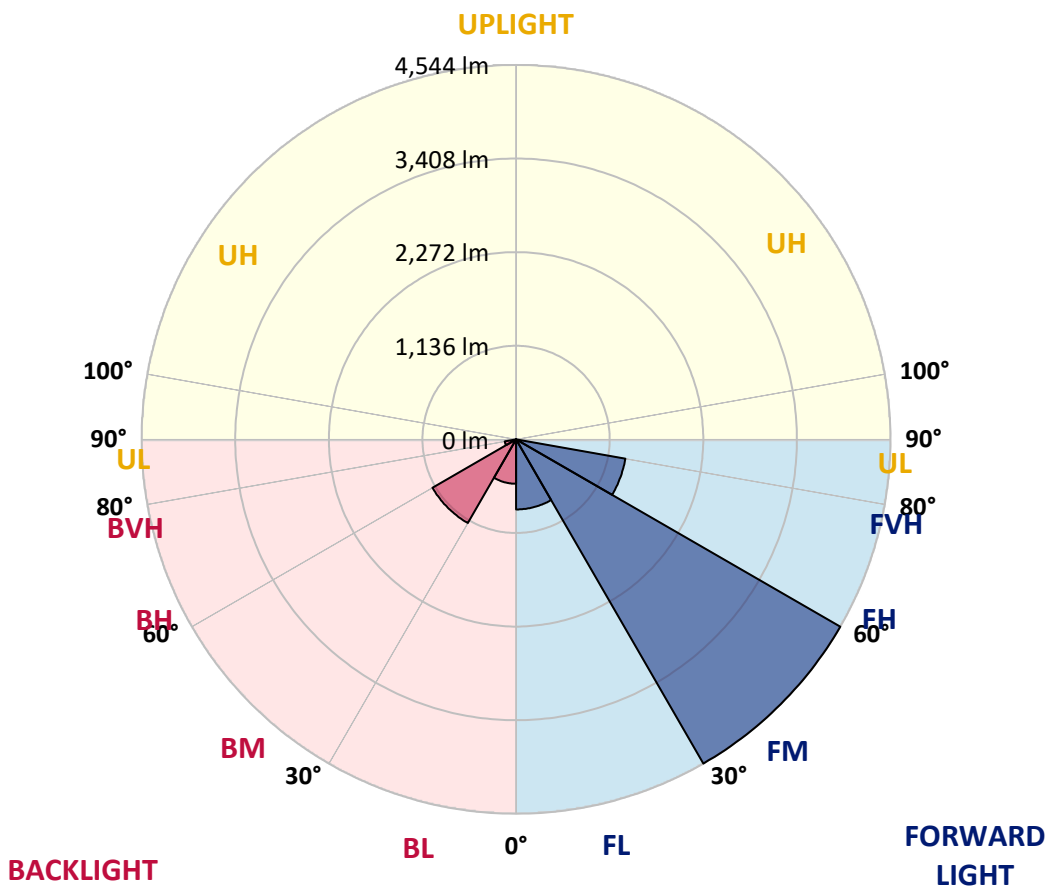
CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.8	9.9			
FM (30°-60°)	4544.2	52.9			
FH (60°-80°)	1346.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	539.0	6.3	B2/1000		
BM (30°-60°)	1172.4	13.6	B2/2500		
BH (60°-80°)	139.8	1.6	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: P635179

CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1
2.5°	1622.1	1618.6	1607.1	1568.1	1543.9	1506.0	1478.5	1442.8	1403.8	1379.7	1355.5
5°	1794.4	1785.2	1754.2	1664.6	1595.6	1521.0	1461.2	1395.7	1325.7	1279.7	1237.2
7.5°	1959.8	1946.0	1904.6	1753.0	1648.5	1541.6	1456.6	1361.3	1262.5	1193.6	1140.7
10°	2121.8	2090.7	2025.3	1839.2	1697.9	1569.2	1469.3	1360.1	1244.1	1156.8	1098.2
12.5°	2255.0	2232.0	2142.4	1920.7	1739.2	1575.0	1452.0	1350.9	1272.8	1214.2	1160.3
15°	2369.9	2344.6	2259.6	1994.3	1774.8	1552.0	1379.7	1291.2	1303.8	1326.8	1280.9
17.5°	2475.6	2449.2	2357.3	2055.1	1788.6	1495.7	1278.6	1236.1	1306.1	1392.3	1375.1
20°	2584.7	2554.8	2442.3	2104.5	1784.0	1407.2	1176.3	1189.0	1287.8	1386.6	1395.7
22.5°	2712.2	2681.2	2550.3	2167.7	1780.6	1301.5	1087.9	1147.6	1253.3	1337.2	1353.2
25°	2881.1	2844.3	2700.7	2260.8	1789.8	1205.1	1024.7	1107.4	1194.7	1270.5	1279.7
27.5°	3104.0	3056.9	2874.2	2375.6	1809.3	1129.2	997.1	1052.3	1120.0	1187.8	1195.9
30°	3394.6	3334.9	3072.9	2475.6	1800.1	1076.4	978.7	997.1	1037.3	1092.5	1093.6
32.5°	3734.6	3653.1	3295.8	2561.7	1720.8	1037.3	953.5	940.8	950.0	992.5	1000.6
35°	4134.4	4028.7	3541.6	2643.3	1576.1	961.5	907.5	865.0	861.6	882.3	901.8
37.5°	4592.8	4466.4	3851.8	2747.8	1404.9	882.3	839.7	797.2	778.9	789.2	819.1
40°	5015.5	4875.4	4175.8	2874.2	1230.3	811.0	760.5	716.8	695.0	698.4	735.2
42.5°	5511.8	5367.0	4572.1	3039.6	1085.6	762.8	677.8	633.0	604.2	620.3	662.8
45°	6265.4	6101.1	5149.9	3183.2	970.7	751.3	605.4	542.2	528.4	556.0	606.5
47.5°	7294.6	7093.6	5943.7	3270.5	873.1	761.6	554.9	468.7	472.1	503.2	553.7
50°	8315.9	8098.8	6861.6	3155.7	792.6	741.0	529.6	411.3	433.1	460.7	506.6
52.5°	9017.8	8735.2	7308.4	2823.7	719.1	662.8	527.3	357.3	398.6	407.8	446.9
55°	9045.4	8697.3	7079.8	2226.3	619.2	559.4	503.2	312.5	360.7	364.2	397.5
57.5°	7928.8	7614.0	6187.2	1529.0	550.3	410.1	400.9	273.4	296.4	325.1	345.8
60°	6032.2	5764.5	4627.2	700.7	418.1	260.8	274.6	235.5	221.7	264.2	284.9
62.5°	3694.4	3523.3	2775.4	310.2	266.5	139.0	166.6	187.2	166.6	182.7	199.9
65°	1467.0	1391.2	1053.4	132.1	109.1	70.1	75.8	109.1	117.2	128.7	144.7
67.5°	255.0	241.2	176.9	58.6	44.8	42.5	36.8	50.5	71.2	79.3	91.9
70°	33.3	32.2	28.7	24.1	23.0	20.7	16.1	32.2	48.2	50.5	58.6
72.5°	8.0	6.9	6.9	5.7	6.9	2.3	2.3	17.2	34.5	35.6	41.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	21.8	24.1	28.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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: P635179

CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1
2.5°	1336.0	1313.0	1305.0	1293.5	1278.6	1283.2	1262.5	1255.6	1265.9	1279.7	1276.3
5°	1214.2	1189.0	1171.7	1145.3	1140.7	1130.4	1123.5	1114.3	1125.8	1141.9	1145.3
7.5°	1117.7	1095.9	1078.7	1070.6	1064.9	1060.3	1046.5	1039.6	1039.6	1046.5	1052.3
10°	1076.4	1060.3	1056.9	1059.2	1068.3	1067.2	1054.6	1045.4	1033.9	1028.1	1035.0
12.5°	1133.8	1107.4	1102.8	1104.0	1115.4	1114.3	1100.5	1089.0	1086.7	1089.0	1110.9
15°	1231.5	1191.3	1161.4	1155.7	1161.4	1159.1	1148.8	1141.9	1145.3	1178.6	1215.4
17.5°	1318.8	1256.7	1202.8	1182.1	1180.9	1177.5	1167.1	1164.8	1182.1	1244.1	1298.1
20°	1344.1	1283.2	1206.2	1179.8	1174.0	1170.6	1159.1	1162.5	1184.4	1259.0	1305.0
22.5°	1310.7	1252.2	1171.7	1145.3	1140.7	1139.6	1128.1	1132.7	1151.1	1216.5	1254.4
25°	1247.6	1198.2	1114.3	1091.3	1091.3	1089.0	1078.7	1081.0	1092.5	1149.9	1186.7
27.5°	1170.6	1123.5	1053.4	1030.4	1033.9	1037.3	1024.7	1021.3	1030.4	1084.4	1106.3
30°	1082.1	1048.8	993.7	973.0	971.9	985.6	968.4	963.8	976.4	1019.0	1023.5
32.5°	996.0	979.9	940.8	924.8	925.9	928.2	919.0	919.0	930.5	953.5	952.3
35°	912.1	901.8	894.9	883.4	882.3	877.7	877.7	880.0	892.6	900.6	885.7
37.5°	831.7	842.0	850.1	838.6	829.4	829.4	829.4	839.7	851.2	847.8	822.5
40°	760.5	782.3	807.6	794.9	773.1	772.0	776.6	793.8	811.0	790.3	767.4
42.5°	699.6	727.2	762.8	755.9	731.8	728.3	731.8	753.6	767.4	741.0	715.7
45°	639.9	674.3	716.8	716.8	690.4	687.0	688.1	716.8	724.9	693.9	661.7
47.5°	589.3	627.2	672.0	672.0	650.2	643.3	649.1	678.9	684.7	641.0	611.1
50°	541.1	582.4	631.8	628.4	613.4	607.7	618.0	650.2	643.3	595.1	564.0
52.5°	480.2	523.8	591.6	595.1	587.0	588.2	600.8	621.5	602.0	543.4	516.9
55°	425.0	469.8	537.6	556.0	556.0	554.9	560.6	576.7	560.6	490.5	458.4
57.5°	365.3	403.2	459.5	464.1	467.5	454.9	463.0	484.8	476.7	417.0	398.6
60°	299.8	332.0	364.2	367.6	352.7	326.2	341.2	366.5	372.2	327.4	306.7
62.5°	212.5	243.5	281.4	281.4	266.5	240.1	259.6	281.4	273.4	227.5	214.8
65°	158.5	187.2	216.0	228.6	216.0	197.6	212.5	228.6	216.0	178.1	159.7
67.5°	102.2	121.8	139.0	149.3	151.6	149.3	156.2	151.6	136.7	111.4	101.1
70°	62.0	72.4	81.6	90.8	97.6	101.1	104.5	94.2	79.3	65.5	62.0
72.5°	44.8	54.0	62.0	68.9	77.0	79.3	79.3	72.4	58.6	46.0	42.5
75°	31.0	39.1	46.0	50.5	57.4	59.7	59.7	54.0	43.7	33.3	29.9
77.5°	1.1	8.0	8.0	6.9	9.2	11.5	11.5	13.8	12.6	9.2	8.0
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: P635179

CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1
2.5°	1283.2	1324.5	1336.0	1378.5	1416.4	1454.3	1500.3	1527.9	1569.2	1597.9	1614.0
5°	1156.8	1191.3	1232.6	1295.8	1361.3	1433.7	1521.0	1596.8	1692.1	1762.2	1785.2
7.5°	1064.9	1109.7	1158.0	1237.2	1326.8	1423.3	1546.2	1670.3	1816.2	1911.5	1972.4
10°	1047.7	1093.6	1158.0	1236.1	1330.3	1440.5	1591.0	1751.9	1934.5	2050.5	2119.5
12.5°	1130.4	1179.8	1207.4	1243.0	1314.2	1437.1	1630.1	1834.6	2049.4	2175.8	2249.3
15°	1252.2	1295.8	1251.0	1206.2	1252.2	1400.3	1651.9	1903.5	2150.5	2296.4	2372.2
17.5°	1336.0	1339.5	1241.8	1146.5	1159.1	1333.7	1660.0	1972.4	2258.5	2411.3	2490.5
20°	1328.0	1300.4	1201.6	1095.9	1056.9	1247.6	1650.8	2033.3	2367.6	2527.3	2605.4
22.5°	1265.9	1233.8	1149.9	1046.5	970.7	1145.3	1634.7	2088.5	2467.5	2649.0	2722.6
25°	1191.3	1156.8	1087.9	997.1	915.6	1046.5	1622.1	2164.3	2593.9	2807.6	2865.0
27.5°	1104.0	1074.1	1015.5	950.0	892.6	971.9	1618.6	2264.2	2746.7	3000.6	3040.8
30°	1019.0	991.4	945.4	907.5	883.4	928.2	1607.1	2371.0	2929.3	3222.3	3265.9
32.5°	937.4	909.8	881.1	875.4	876.5	912.1	1568.1	2476.7	3146.5	3543.9	3576.1
35°	867.3	835.2	823.7	837.4	862.7	884.5	1457.8	2564.0	3379.7	3894.3	3920.7
37.5°	800.7	768.5	767.4	800.7	828.3	842.0	1328.0	2650.2	3694.4	4250.4	4283.7
40°	739.8	707.6	719.1	759.3	781.2	788.1	1170.6	2781.2	4027.6	4626.1	4607.7
42.5°	688.1	654.8	661.7	713.4	732.9	751.3	1025.8	2890.3	4348.1	4982.2	4976.4
45°	637.6	612.3	607.7	664.0	681.2	754.7	920.2	2974.1	4760.5	5435.9	5445.1
47.5°	588.2	568.6	569.8	593.9	636.4	772.0	830.6	3029.3	5359.0	6155.1	5995.4
50°	543.4	528.4	541.1	513.5	607.7	750.1	753.6	3017.8	6027.6	6844.3	6523.8
52.5°	494.0	490.5	496.3	429.6	561.7	661.7	681.2	2865.0	6341.2	7315.3	7132.7
55°	443.4	442.3	396.3	343.5	469.8	528.4	583.6	2390.6	6330.8	7565.8	7787.5
57.5°	383.7	374.5	301.0	280.3	365.3	367.6	531.9	1565.8	5610.6	6966.1	7425.6
60°	290.6	283.7	220.6	227.5	255.0	235.5	423.9	780.0	4193.0	5426.8	5944.8
62.5°	201.0	191.8	164.3	175.8	164.3	134.4	259.6	386.0	2539.9	3426.8	3896.6
65°	147.0	136.7	112.6	96.5	77.0	77.0	98.8	148.2	983.3	1456.6	1756.5
67.5°	90.8	86.2	66.6	48.2	47.1	50.5	51.7	73.5	158.5	252.7	309.0
70°	58.6	54.0	44.8	31.0	28.7	29.9	31.0	34.5	40.2	43.7	52.8
72.5°	40.2	37.9	32.2	17.2	13.8	14.9	16.1	16.1	19.5	18.4	21.8
75°	28.7	26.4	23.0	8.0	4.6	5.7	6.9	5.7	6.9	4.6	5.7
77.5°	8.0	8.0	5.7	1.1	0.0	1.1	2.3	2.3	1.1	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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: P635179

CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1	1460.1
2.5°	1655.4	1681.8	1692.1	1677.2	1689.8	1669.2	1661.1	1630.1	1627.8	1622.1
5°	1878.2	1938.0	1973.6	1995.4	1970.1	1942.6	1901.2	1830.0	1808.2	1794.4
7.5°	2097.6	2190.7	2251.6	2280.3	2273.4	2217.1	2142.4	2023.0	1980.5	1959.8
10°	2288.3	2402.1	2475.6	2511.2	2496.3	2446.9	2340.0	2190.7	2134.4	2121.8
12.5°	2421.6	2526.1	2576.7	2607.7	2608.8	2589.3	2488.2	2337.7	2271.1	2255.0
15°	2505.5	2550.3	2551.4	2569.8	2601.9	2645.6	2598.5	2465.2	2394.0	2369.9
17.5°	2558.3	2508.9	2458.4	2462.9	2515.8	2631.8	2680.1	2577.8	2502.0	2475.6
20°	2596.2	2440.0	2345.8	2346.9	2400.9	2576.7	2736.4	2687.0	2608.8	2584.7
22.5°	2620.3	2379.1	2244.7	2241.2	2298.7	2511.2	2788.0	2816.8	2739.8	2712.2
25°	2669.7	2350.4	2183.8	2203.3	2253.9	2490.5	2858.1	2989.1	2917.9	2881.1
27.5°	2758.2	2379.1	2178.1	2222.9	2280.3	2551.4	2979.9	3218.8	3145.3	3104.0
30°	2911.0	2487.1	2266.5	2328.5	2397.5	2711.1	3184.4	3539.3	3433.7	3394.6
32.5°	3156.8	2711.1	2539.9	2673.2	2739.8	2973.0	3491.1	3898.9	3812.7	3734.6
35°	3495.7	3222.3	3202.8	3512.9	3496.8	3469.3	3867.9	4340.0	4210.2	4134.4
37.5°	3962.1	4044.8	4189.5	4497.4	4487.1	4276.8	4363.0	4757.0	4690.4	4592.8
40°	4544.5	4720.3	4966.1	5407.2	5269.4	5005.2	4970.7	5184.4	5130.4	5015.5
42.5°	4888.0	5191.3	5660.0	6056.3	5946.0	5484.2	5445.1	5755.3	5637.0	5511.8
45°	5047.7	5574.9	6494.0	7030.4	6696.1	5802.4	5787.5	6499.7	6433.1	6265.4
47.5°	5121.2	5962.1	7470.4	8282.6	7657.7	6081.6	6027.6	7579.5	7492.2	7294.6
50°	5202.7	6496.3	8646.7	9733.5	8819.1	6397.5	6436.5	8585.9	8549.1	8315.9
52.5°	5382.0	7061.4	10095.3	11392.3	10227.4	6892.6	7138.4	9534.7	9286.6	9017.8
55°	5650.8	7677.2	11602.5	13086.7	11664.5	7557.7	7897.7	10039.0	9342.9	9045.4
57.5°	5353.2	7831.1	12495.1	14269.9	12302.1	7560.0	7255.6	9164.8	8217.1	7928.8
60°	4248.1	7285.5	12151.6	14013.8	11758.7	6713.4	5555.4	7155.6	6225.1	6032.2
62.5°	2871.9	6110.3	10697.3	11851.8	10064.3	5280.9	3610.6	4653.6	3854.1	3694.4
65°	1573.8	4558.3	8643.3	8966.1	7877.1	3688.7	1857.6	2019.5	1538.2	1467.0
67.5°	434.2	3172.9	6359.6	5948.3	5526.7	2402.1	480.2	360.7	257.3	255.0
70°	109.1	2098.8	3810.4	3927.6	3388.9	1538.2	91.9	43.7	34.5	33.3
72.5°	46.0	902.9	1808.2	2078.1	1734.6	712.2	33.3	12.6	10.3	8.0
75°	5.7	72.4	153.9	233.2	159.7	77.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)