

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: P632594

Luminaire Tested: GWS-SA2D-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632594
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-SA2D-722-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4611.8 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

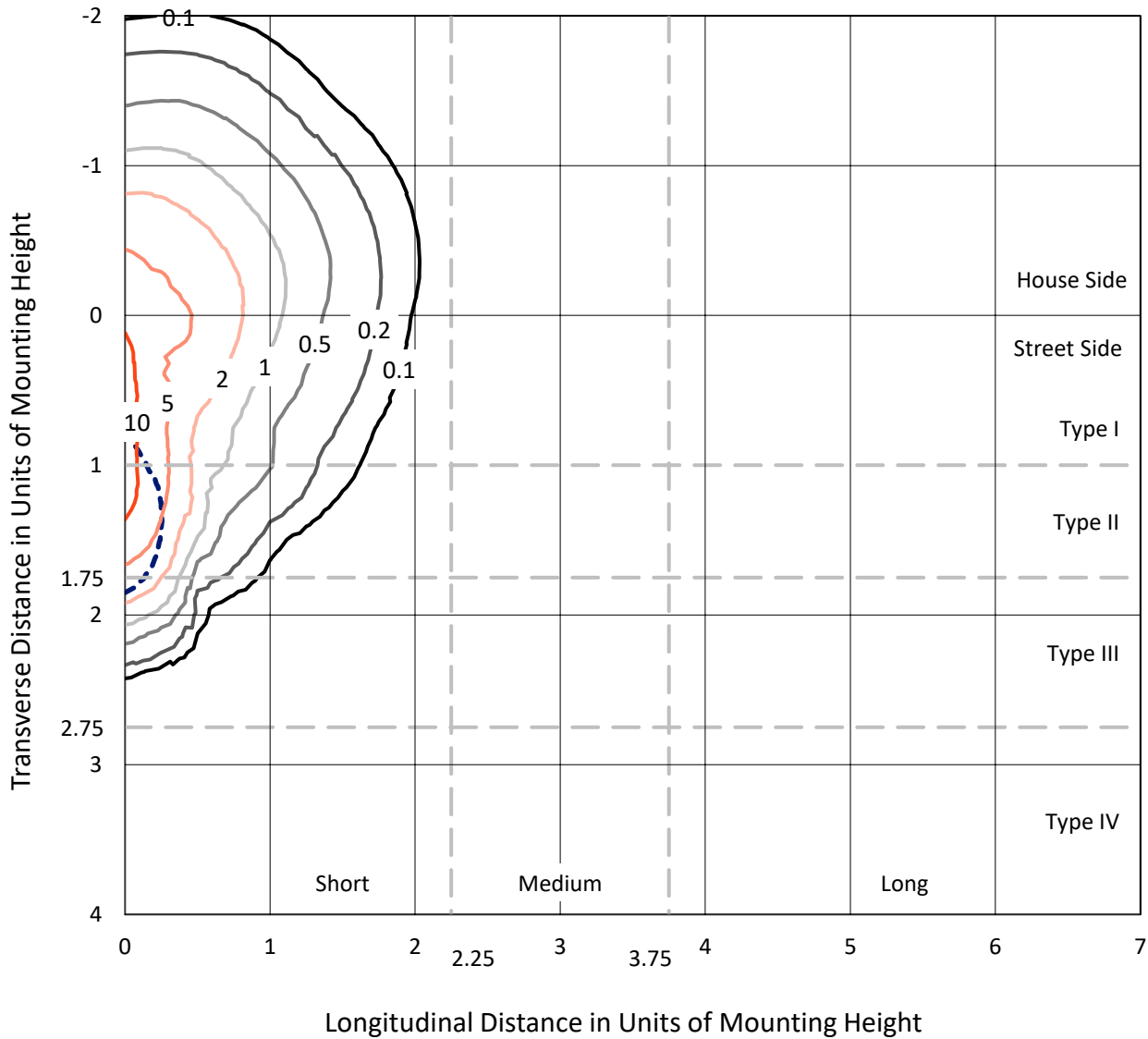
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632594
 CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

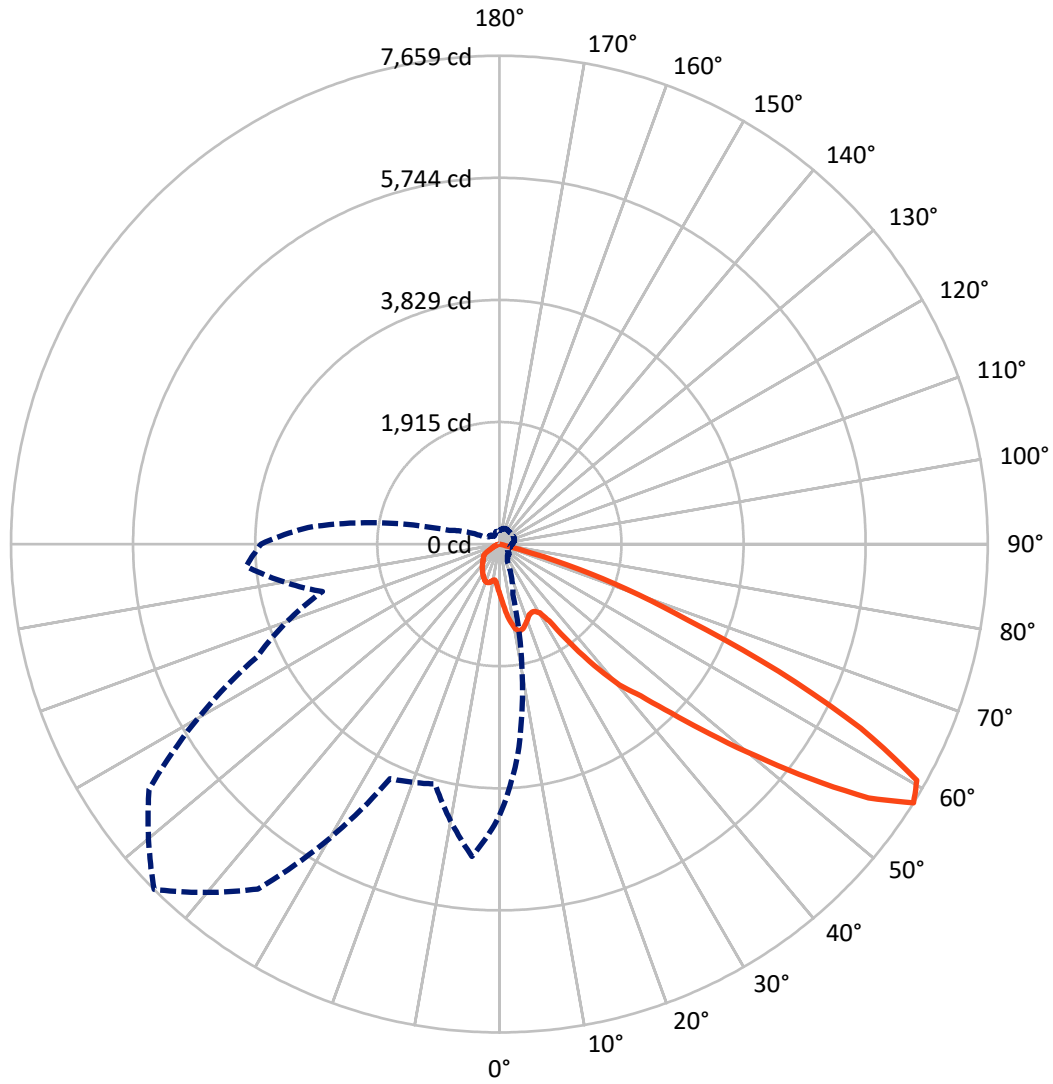
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - N/A

REPORT NUMBER: P632594
CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632594

CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	993.5	0.0	993.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3618.3	0.0	3618.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	4611.8	0.0	4611.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.7
10°-20°	254.9	5.5
20°-30°	413.6	9.0
30°-40°	634.8	13.8
40°-50°	1013.8	22.0
50°-60°	1419.5	30.8
60°-70°	727.8	15.8
70°-80°	70.1	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°	4611.8	100.0
0°-180°	4611.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632594

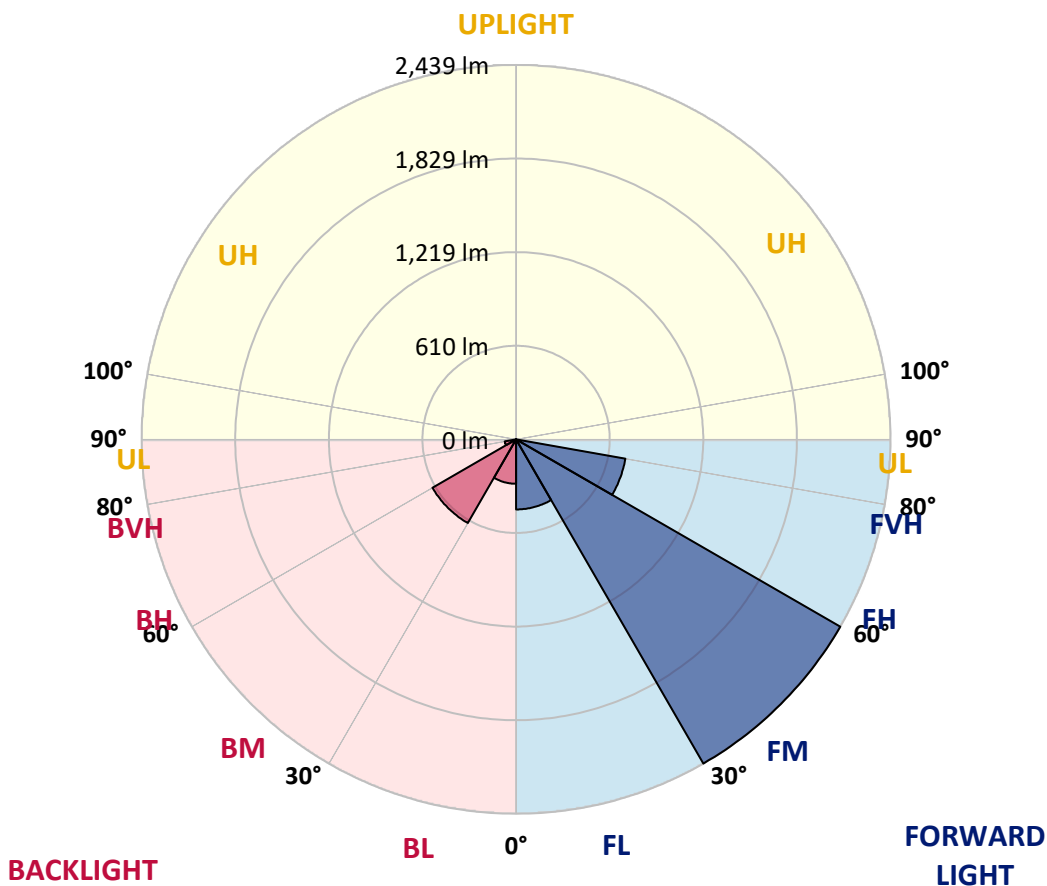
CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.6	9.9			
FM (30°-60°)	2438.8	52.9			
FH (60°-80°)	722.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	289.3	6.3	B1/500		
BM (30°-60°)	629.2	13.6	B1/1000		
BH (60°-80°)	75.0	1.6	B0/110		G0/110
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: B1-U0-G1

Type III Short





REPORT NUMBER: P632594

CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	870.5	868.7	862.5	841.6	828.6	808.3	793.5	774.4	753.4	740.5	727.5
5°	963.0	958.1	941.4	893.4	856.4	816.3	784.2	749.1	711.5	686.8	664.0
7.5°	1051.8	1044.4	1022.2	940.8	884.7	827.4	781.8	730.6	677.6	640.6	612.2
10°	1138.7	1122.1	1086.9	987.1	911.2	842.2	788.5	730.0	667.7	620.8	589.4
12.5°	1210.3	1197.9	1149.8	1030.8	933.4	845.3	779.3	725.0	683.1	651.7	622.7
15°	1271.9	1258.3	1212.7	1070.3	952.5	832.9	740.5	693.0	699.8	712.1	687.4
17.5°	1328.6	1314.4	1265.1	1103.0	959.9	802.7	686.2	663.4	701.0	747.2	738.0
20°	1387.2	1371.2	1310.7	1129.5	957.5	755.3	631.3	638.1	691.1	744.2	749.1
22.5°	1455.6	1439.0	1368.7	1163.4	955.6	698.5	583.9	615.9	672.6	717.6	726.3
25°	1546.3	1526.5	1449.5	1213.3	960.6	646.7	549.9	594.3	641.2	681.9	686.8
27.5°	1665.9	1640.6	1542.6	1275.0	971.0	606.1	535.2	564.7	601.1	637.5	641.8
30°	1821.9	1789.8	1649.2	1328.6	966.1	577.7	525.3	535.2	556.7	586.3	586.9
32.5°	2004.3	1960.6	1768.8	1374.9	923.6	556.7	511.7	504.9	509.9	532.7	537.0
35°	2218.9	2162.2	1900.8	1418.6	845.9	516.0	487.1	464.2	462.4	473.5	484.0
37.5°	2464.9	2397.1	2067.2	1474.7	754.0	473.5	450.7	427.9	418.0	423.6	439.6
40°	2691.8	2616.6	2241.1	1542.6	660.3	435.3	408.1	384.7	373.0	374.9	394.6
42.5°	2958.1	2880.4	2453.8	1631.3	582.6	409.4	363.8	339.7	324.3	332.9	355.7
45°	3362.6	3274.4	2763.9	1708.4	521.0	403.2	324.9	291.0	283.6	298.4	325.5
47.5°	3915.0	3807.1	3189.9	1755.3	468.6	408.8	297.8	251.5	253.4	270.0	297.2
50°	4463.1	4346.6	3682.6	1693.6	425.4	397.7	284.2	220.7	232.4	247.2	271.9
52.5°	4839.8	4688.1	3922.4	1515.4	385.9	355.7	283.0	191.7	213.9	218.9	239.8
55°	4854.6	4667.8	3799.7	1194.8	332.3	300.3	270.0	167.7	193.6	195.4	213.3
57.5°	4255.3	4086.4	3320.6	820.6	295.3	220.1	215.2	146.7	159.1	174.5	185.6
60°	3237.4	3093.8	2483.4	376.1	224.4	140.0	147.4	126.4	119.0	141.8	152.9
62.5°	1982.8	1890.9	1489.5	166.5	143.0	74.6	89.4	100.5	89.4	98.0	107.3
65°	787.3	746.6	565.4	70.9	58.6	37.6	40.7	58.6	62.9	69.1	77.7
67.5°	136.9	129.5	94.9	31.4	24.0	22.8	19.7	27.1	38.2	42.5	49.3
70°	17.9	17.3	15.4	12.9	12.3	11.1	8.6	17.3	25.9	27.1	31.4
72.5°	4.3	3.7	3.7	3.1	3.7	1.2	1.2	9.2	18.5	19.1	22.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	11.7	12.9	15.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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: P632594
 CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	717.0	704.7	700.4	694.2	686.2	688.7	677.6	673.9	679.4	686.8	685.0
5°	651.7	638.1	628.9	614.7	612.2	606.7	603.0	598.0	604.2	612.8	614.7
7.5°	599.9	588.2	578.9	574.6	571.5	569.1	561.7	558.0	558.0	561.7	564.7
10°	577.7	569.1	567.2	568.4	573.4	572.8	566.0	561.0	554.9	551.8	555.5
12.5°	608.5	594.3	591.9	592.5	598.7	598.0	590.6	584.5	583.2	584.5	596.2
15°	660.9	639.3	623.3	620.2	623.3	622.1	616.5	612.8	614.7	632.6	652.3
17.5°	707.8	674.5	645.5	634.4	633.8	631.9	626.4	625.2	634.4	667.7	696.7
20°	721.3	688.7	647.4	633.2	630.1	628.2	622.1	623.9	635.6	675.7	700.4
22.5°	703.5	672.0	628.9	614.7	612.2	611.6	605.4	607.9	617.8	652.9	673.3
25°	669.6	643.0	598.0	585.7	585.7	584.5	578.9	580.2	586.3	617.1	636.9
27.5°	628.2	603.0	565.4	553.0	554.9	556.7	549.9	548.1	553.0	582.0	593.7
30°	580.8	562.9	533.3	522.2	521.6	529.0	519.7	517.3	524.1	546.9	549.3
32.5°	534.5	525.9	504.9	496.3	496.9	498.2	493.2	493.2	499.4	511.7	511.1
35°	489.5	484.0	480.3	474.1	473.5	471.0	471.0	472.3	479.0	483.4	475.3
37.5°	446.4	451.9	456.2	450.1	445.1	445.1	445.1	450.7	456.9	455.0	441.4
40°	408.1	419.9	433.4	426.6	414.9	414.3	416.8	426.0	435.3	424.2	411.8
42.5°	375.5	390.3	409.4	405.7	392.7	390.9	392.7	404.4	411.8	397.7	384.1
45°	343.4	361.9	384.7	384.7	370.5	368.7	369.3	384.7	389.0	372.4	355.1
47.5°	316.3	336.6	360.7	360.7	349.0	345.3	348.3	364.4	367.5	344.0	328.0
50°	290.4	312.6	339.1	337.2	329.2	326.1	331.7	349.0	345.3	319.4	302.7
52.5°	257.7	281.1	317.5	319.4	315.0	315.7	322.4	333.5	323.1	291.6	277.4
55°	228.1	252.2	288.5	298.4	298.4	297.8	300.9	309.5	300.9	263.3	246.0
57.5°	196.1	216.4	246.6	249.1	250.9	244.1	248.5	260.2	255.9	223.8	213.9
60°	160.9	178.2	195.4	197.3	189.3	175.1	183.1	196.7	199.8	175.7	164.6
62.5°	114.1	130.7	151.1	151.1	143.0	128.9	139.3	151.1	146.7	122.1	115.3
65°	85.1	100.5	115.9	122.7	115.9	106.0	114.1	122.7	115.9	95.6	85.7
67.5°	54.9	65.4	74.6	80.1	81.4	80.1	83.8	81.4	73.4	59.8	54.3
70°	33.3	38.8	43.8	48.7	52.4	54.3	56.1	50.6	42.5	35.1	33.3
72.5°	24.0	29.0	33.3	37.0	41.3	42.5	42.5	38.8	31.4	24.7	22.8
75°	16.6	21.0	24.7	27.1	30.8	32.1	32.1	29.0	23.4	17.9	16.0
77.5°	0.6	4.3	4.3	3.7	4.9	6.2	6.2	7.4	6.8	4.9	4.3
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: P632594
 CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	688.7	710.9	717.0	739.8	760.2	780.5	805.2	820.0	842.2	857.6	866.2
5°	620.8	639.3	661.5	695.4	730.6	769.4	816.3	857.0	908.2	945.8	958.1
7.5°	571.5	595.6	621.5	664.0	712.1	763.9	829.9	896.4	974.7	1025.9	1058.6
10°	562.3	586.9	621.5	663.4	713.9	773.1	853.9	940.2	1038.2	1100.5	1137.5
12.5°	606.7	633.2	648.0	667.1	705.3	771.3	874.9	984.6	1099.9	1167.7	1207.2
15°	672.0	695.4	671.4	647.4	672.0	751.6	886.6	1021.6	1154.1	1232.4	1273.1
17.5°	717.0	718.9	666.5	615.3	622.1	715.8	890.9	1058.6	1212.1	1294.1	1336.6
20°	712.7	697.9	644.9	588.2	567.2	669.6	886.0	1091.3	1270.7	1356.4	1398.3
22.5°	679.4	662.2	617.1	561.7	521.0	614.7	877.3	1120.9	1324.3	1421.7	1461.2
25°	639.3	620.8	583.9	535.2	491.4	561.7	870.5	1161.5	1392.1	1506.8	1537.6
27.5°	592.5	576.5	545.0	509.9	479.0	521.6	868.7	1215.2	1474.1	1610.4	1632.0
30°	546.9	532.1	507.4	487.1	474.1	498.2	862.5	1272.5	1572.2	1729.4	1752.8
32.5°	503.1	488.3	472.9	469.8	470.4	489.5	841.6	1329.2	1688.7	1902.0	1919.3
35°	465.5	448.2	442.1	449.5	463.0	474.7	782.4	1376.1	1813.8	2090.0	2104.2
37.5°	429.7	412.5	411.8	429.7	444.5	451.9	712.7	1422.3	1982.8	2281.2	2299.1
40°	397.0	379.8	385.9	407.5	419.2	422.9	628.2	1492.6	2161.6	2482.8	2472.9
42.5°	369.3	351.4	355.1	382.9	393.3	403.2	550.6	1551.2	2333.6	2673.9	2670.8
45°	342.2	328.6	326.1	356.4	365.6	405.1	493.8	1596.2	2554.9	2917.4	2922.4
47.5°	315.7	305.2	305.8	318.7	341.6	414.3	445.8	1625.8	2876.1	3303.4	3217.7
50°	291.6	283.6	290.4	275.6	326.1	402.6	404.4	1619.6	3234.9	3673.3	3501.3
52.5°	265.1	263.3	266.3	230.6	301.5	355.1	365.6	1537.6	3403.3	3926.1	3828.1
55°	238.0	237.4	212.7	184.3	252.2	283.6	313.2	1283.0	3397.7	4060.5	4179.5
57.5°	205.9	201.0	161.5	150.4	196.1	197.3	285.5	840.3	3011.1	3738.7	3985.3
60°	156.0	152.3	118.4	122.1	136.9	126.4	227.5	418.6	2250.3	2912.5	3190.6
62.5°	107.9	103.0	88.2	94.3	88.2	72.1	139.3	207.2	1363.2	1839.1	2091.3
65°	78.9	73.4	60.4	51.8	41.3	41.3	53.0	79.5	527.8	781.8	942.7
67.5°	48.7	46.2	35.8	25.9	25.3	27.1	27.7	39.5	85.1	135.6	165.8
70°	31.4	29.0	24.0	16.6	15.4	16.0	16.6	18.5	21.6	23.4	28.4
72.5°	21.6	20.3	17.3	9.2	7.4	8.0	8.6	8.6	10.5	9.9	11.7
75°	15.4	14.2	12.3	4.3	2.5	3.1	3.7	3.1	3.7	2.5	3.1
77.5°	4.3	4.3	3.1	0.6	0.0	0.6	1.2	1.2	0.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	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: P632594

CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	888.4	902.6	908.2	900.1	906.9	895.8	891.5	874.9	873.6	870.5
5°	1008.0	1040.1	1059.2	1070.9	1057.4	1042.6	1020.4	982.1	970.4	963.0
7.5°	1125.8	1175.7	1208.4	1223.8	1220.1	1189.9	1149.8	1085.7	1062.9	1051.8
10°	1228.1	1289.2	1328.6	1347.7	1339.7	1313.2	1255.9	1175.7	1145.5	1138.7
12.5°	1299.7	1355.8	1382.9	1399.5	1400.1	1389.7	1335.4	1254.6	1218.9	1210.3
15°	1344.7	1368.7	1369.3	1379.2	1396.4	1419.9	1394.6	1323.1	1284.9	1271.9
17.5°	1373.0	1346.5	1319.4	1321.8	1350.2	1412.5	1438.4	1383.5	1342.8	1328.6
20°	1393.4	1309.5	1259.0	1259.6	1288.6	1382.9	1468.6	1442.1	1400.1	1387.2
22.5°	1406.3	1276.8	1204.7	1202.9	1233.7	1347.7	1496.3	1511.7	1470.4	1455.6
25°	1432.8	1261.4	1172.0	1182.5	1209.6	1336.6	1533.9	1604.2	1566.0	1546.3
27.5°	1480.3	1276.8	1168.9	1193.0	1223.8	1369.3	1599.3	1727.5	1688.1	1665.9
30°	1562.3	1334.8	1216.4	1249.7	1286.7	1455.0	1709.0	1899.5	1842.8	1821.9
32.5°	1694.2	1455.0	1363.2	1434.7	1470.4	1595.6	1873.6	2092.5	2046.3	2004.3
35°	1876.1	1729.4	1718.9	1885.4	1876.7	1861.9	2075.9	2329.3	2259.6	2218.9
37.5°	2126.4	2170.8	2248.5	2413.7	2408.2	2295.4	2341.6	2553.1	2517.3	2464.9
40°	2439.0	2533.3	2665.3	2902.0	2828.0	2686.2	2667.7	2782.4	2753.4	2691.8
42.5°	2623.3	2786.1	3037.7	3250.4	3191.2	2943.3	2922.4	3088.8	3025.3	2958.1
45°	2709.0	2992.0	3485.3	3773.2	3593.8	3114.1	3106.1	3488.3	3452.6	3362.6
47.5°	2748.5	3199.8	4009.3	4445.2	4109.8	3263.9	3234.9	4067.9	4021.0	3915.0
50°	2792.3	3486.5	4640.6	5223.9	4733.1	3433.5	3454.4	4608.0	4588.2	4463.1
52.5°	2888.5	3789.8	5418.1	6114.2	5489.0	3699.2	3831.1	5117.2	4984.1	4839.8
55°	3032.7	4120.3	6227.0	7023.5	6260.3	4056.2	4238.7	5387.9	5014.3	4854.6
57.5°	2873.0	4202.9	6706.0	7658.6	6602.4	4057.4	3894.0	4918.7	4410.1	4255.3
60°	2279.9	3910.1	6521.7	7521.1	6310.8	3603.0	2981.6	3840.4	3341.0	3237.4
62.5°	1541.3	3279.3	5741.2	6360.8	5401.4	2834.2	1937.8	2497.6	2068.5	1982.8
65°	844.6	2446.4	4638.8	4812.0	4227.6	1979.7	996.9	1083.9	825.5	787.3
67.5°	233.0	1702.9	3413.1	3192.4	2966.1	1289.2	257.7	193.6	138.1	136.9
70°	58.6	1126.4	2045.0	2107.9	1818.8	825.5	49.3	23.4	18.5	17.9
72.5°	24.7	484.6	970.4	1115.3	931.0	382.3	17.9	6.8	5.5	4.3
75°	3.1	38.8	82.6	125.2	85.7	41.3	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)