

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209643

Luminaire Tested: UPW-SA2-130-827-U-SLR

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-827-U-SLR  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING  
RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11433 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 128  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

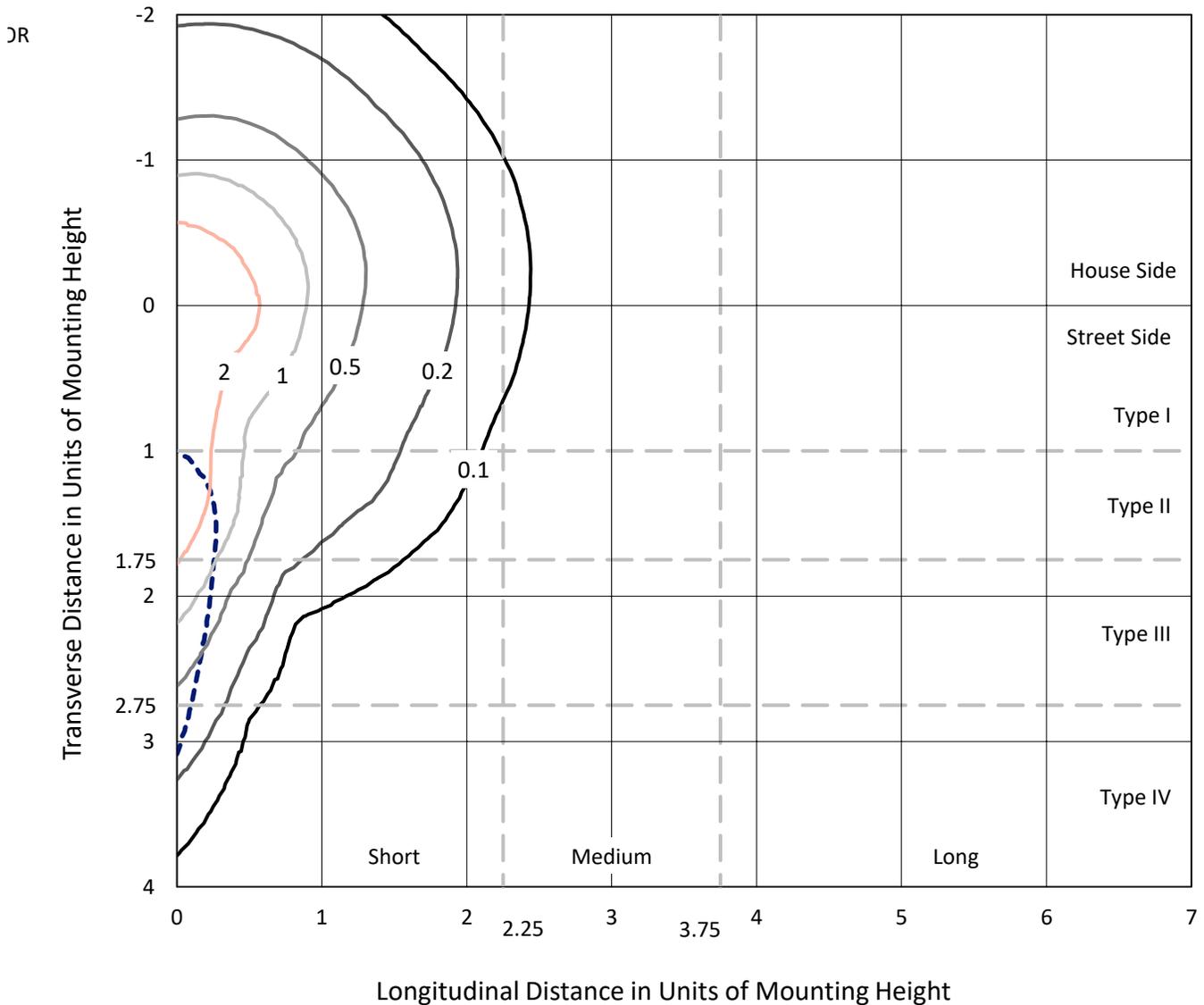


REPORT NUMBER: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

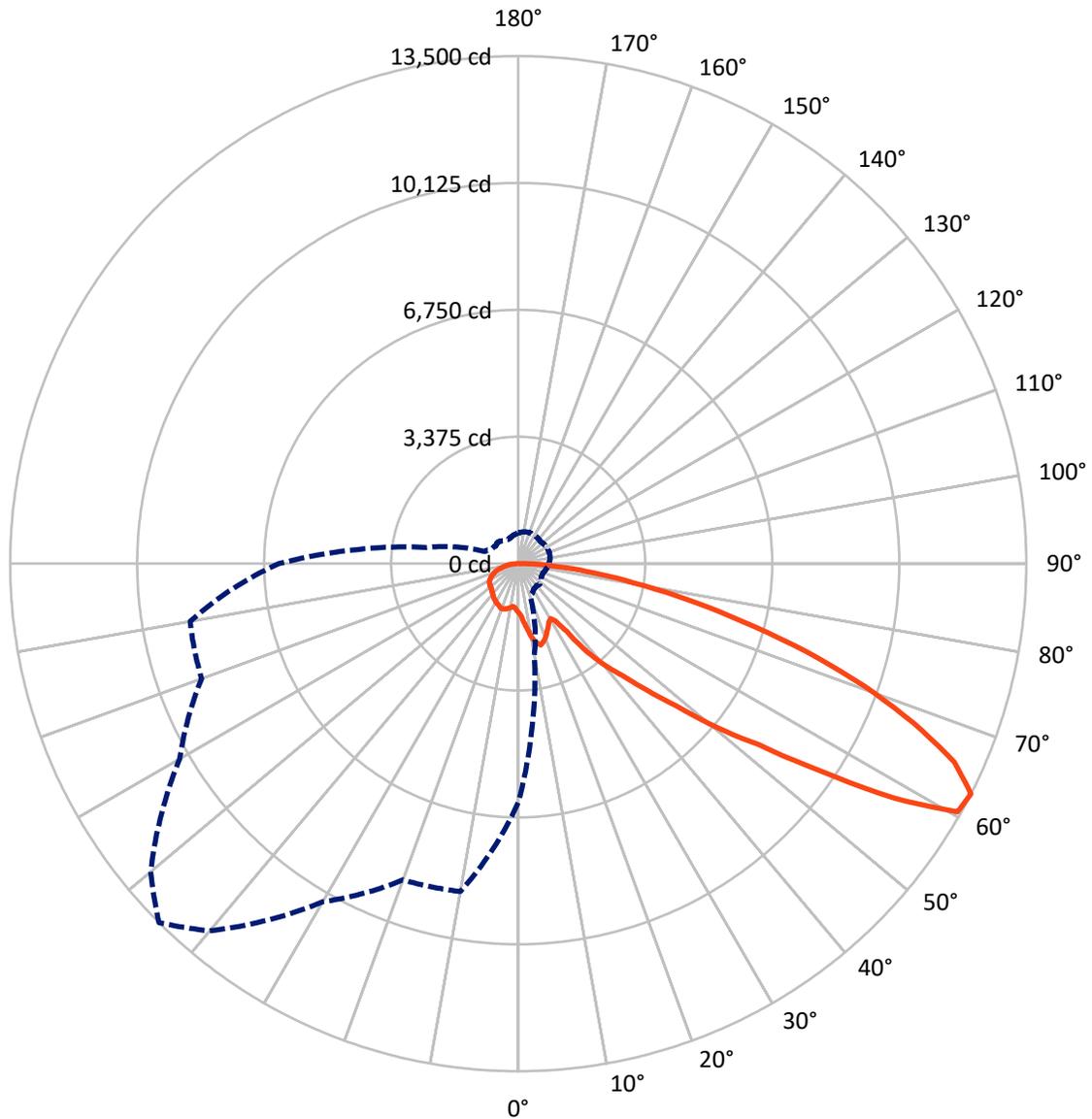


Based on 20 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2801.9	0.0	2801.9
	% Fixture	24.5	0.0	24.5
<b>Street Side</b>	Lumens	8631.1	0.0	8631.1
	% Fixture	75.5	0.0	75.5
<b>Total</b>	Lumens	11433.0	0.0	11433.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.0	1.1
10°-20°	438.6	3.8
20°-30°	713.4	6.2
30°-40°	973.0	8.5
40°-50°	1473.3	12.9
50°-60°	2533.5	22.2
60°-70°	2971.1	26.0
70°-80°	1772.0	15.5
80°-90°	428.0	3.7
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°	11433.0	100.0
0°-180°	11433.0	100.0



REPORT NUMBER: P1209643

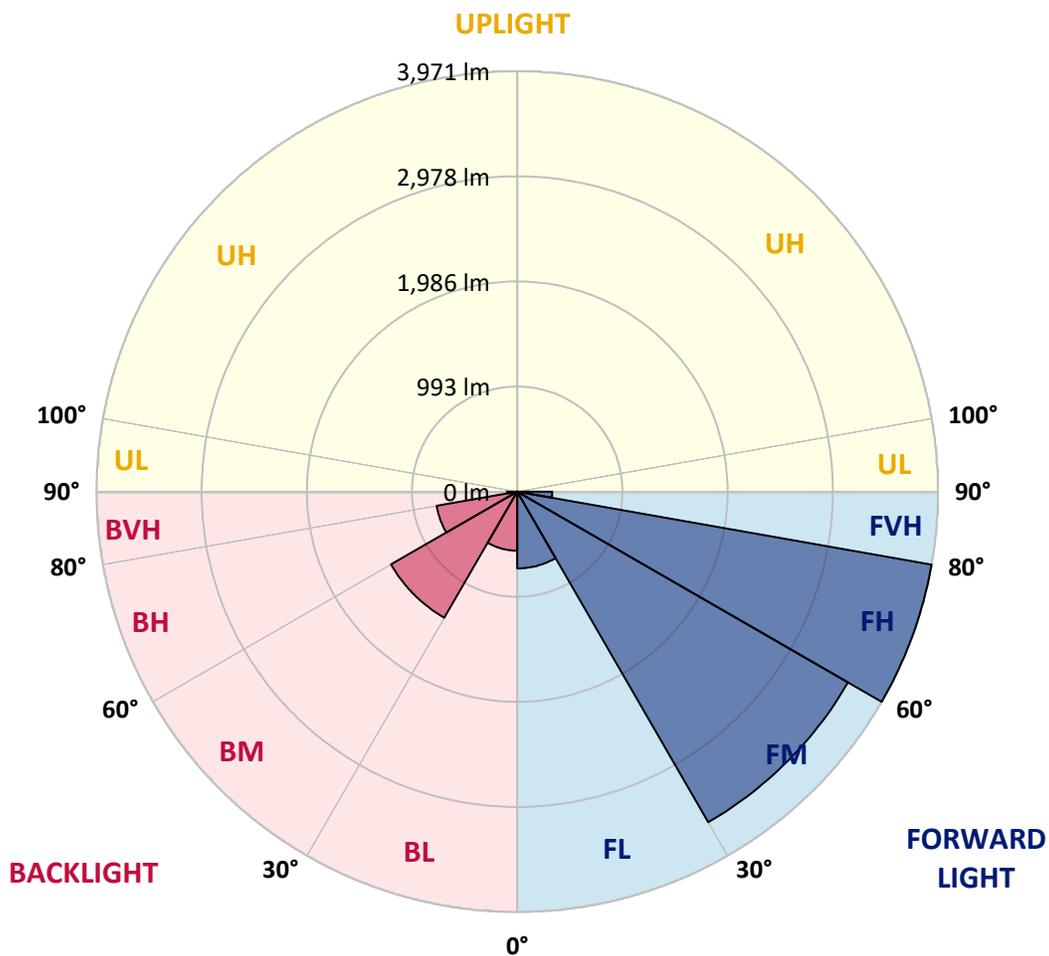
CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.7	6.3			
FM	(30°-60°)	3604.6	31.5			
FH	(60°-80°)	3971.1	34.7			G2/5000
FVH	(80°-90°)	330.7	2.9			G3/500
BL	(0°-30°)	557.3	4.9	B2/1000		
BM	(30°-60°)	1375.2	12.0	B2/2500		
BH	(60°-80°)	772.1	6.8	B2/1000		G2/1000
BVH	(80°-90°)	97.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





REPORT NUMBER: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1356.9	1353.3	1352.0	1347.3	1342.6	1334.0	1325.6	1319.6	1313.5	1306.4	1295.3
5°	1451.4	1440.8	1426.1	1405.3	1384.4	1364.7	1345.1	1328.7	1312.2	1297.5	1283.8
7.5°	1579.9	1531.8	1491.3	1458.0	1424.6	1392.9	1361.4	1337.1	1312.8	1289.8	1267.2
10°	1673.1	1633.4	1586.2	1529.5	1472.9	1428.7	1384.8	1357.7	1330.7	1309.6	1273.8
12.5°	1786.2	1725.0	1658.4	1589.9	1521.5	1465.8	1410.3	1371.1	1332.0	1302.6	1287.6
15°	1898.0	1823.5	1739.6	1649.4	1559.0	1488.5	1418.0	1373.0	1328.1	1297.5	1288.9
17.5°	2021.3	1912.3	1804.7	1697.9	1591.0	1499.2	1407.4	1354.6	1302.0	1271.9	1285.9
20°	2108.8	1998.8	1882.3	1752.7	1622.9	1507.4	1391.6	1328.0	1264.3	1234.9	1241.1
22.5°	2173.3	2058.5	1933.1	1783.0	1632.9	1495.9	1358.8	1286.8	1214.8	1185.7	1210.9
25°	2260.9	2123.4	1976.8	1802.2	1627.5	1471.4	1315.4	1241.9	1168.4	1144.2	1169.7
27.5°	2317.1	2193.3	2052.0	1855.3	1658.7	1477.5	1296.2	1214.8	1133.3	1107.1	1131.8
30°	2398.8	2271.5	2120.9	1900.5	1680.2	1481.0	1281.8	1196.2	1110.6	1082.2	1090.2
32.5°	2481.3	2343.9	2180.0	1929.9	1679.9	1464.0	1248.0	1167.7	1087.3	1061.8	1069.7
35°	2549.0	2414.0	2241.1	1956.9	1672.7	1439.8	1206.8	1133.2	1059.5	1040.0	1037.6
37.5°	2667.8	2506.6	2301.1	1977.8	1654.6	1403.9	1153.1	1082.8	1012.6	998.5	993.1
40°	2833.3	2655.9	2408.7	2025.4	1642.1	1369.2	1096.3	1028.4	960.6	955.7	951.9
42.5°	3063.9	2819.5	2508.3	2070.6	1632.9	1340.3	1047.7	982.7	917.6	908.4	898.2
45°	3459.3	3083.8	2646.7	2132.6	1618.6	1317.2	1015.8	950.3	884.8	858.0	857.6
47.5°	4121.2	3526.5	2869.4	2231.5	1593.5	1293.1	992.8	933.5	874.2	831.8	815.9
50°	4996.4	4160.1	3225.9	2406.1	1586.6	1284.3	982.3	927.9	873.7	811.3	781.4
52.5°	5801.3	4712.7	3514.3	2540.0	1565.8	1262.2	958.5	916.6	874.6	812.6	772.1
55°	6499.6	5083.9	3632.2	2575.0	1517.9	1216.6	915.5	900.0	884.4	847.7	776.8
57.5°	7003.0	5137.9	3415.0	2411.1	1407.4	1148.5	889.5	879.8	870.1	870.7	790.6
60°	6916.7	4818.4	2937.6	2054.3	1170.6	1020.9	871.1	841.9	812.6	840.7	793.4
62.5°	6354.5	4289.7	2467.5	1707.1	946.8	875.7	804.7	781.3	757.9	790.9	774.0
65°	5655.7	3702.7	2025.4	1388.8	752.3	738.2	724.2	719.1	714.0	722.5	732.1
67.5°	4852.0	3085.2	1615.2	1092.7	570.1	582.8	595.4	620.2	645.0	648.4	670.8
70°	4160.8	2528.1	1242.2	848.9	455.5	472.7	490.0	526.7	563.5	581.3	601.4
72.5°	3336.0	1950.8	909.7	640.4	371.2	386.1	401.2	442.7	484.2	523.2	544.8
75°	2454.4	1403.9	641.4	473.5	305.6	316.7	327.7	366.2	404.8	454.2	476.7
77.5°	1701.9	966.9	447.4	348.8	250.2	255.5	260.9	295.9	330.9	389.1	412.4
80°	938.5	556.6	288.8	240.8	192.9	196.6	200.3	229.5	258.7	310.5	337.7
82.5°	464.4	296.8	181.7	162.1	142.5	144.5	146.7	168.8	191.0	228.1	257.3
85°	182.7	134.2	102.0	96.6	91.4	92.5	93.5	107.5	121.4	144.4	174.0
87.5°	65.8	51.1	42.4	40.6	38.6	37.3	36.0	43.2	50.1	62.6	98.6
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: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1289.7	1284.1	1278.7	1273.2	1268.1	1263.0	1259.2	1255.3	1247.8	1240.4	1236.2
5°	1268.5	1253.1	1239.9	1226.6	1218.3	1210.0	1201.0	1192.1	1185.2	1178.3	1172.9
7.5°	1249.2	1231.0	1216.4	1201.7	1189.6	1177.8	1169.2	1160.8	1159.1	1157.6	1154.0
10°	1254.8	1235.8	1221.5	1207.2	1196.2	1185.4	1179.4	1173.5	1171.6	1169.7	1169.6
12.5°	1278.8	1270.0	1259.7	1249.3	1238.3	1227.6	1228.0	1228.5	1219.2	1210.0	1207.5
15°	1291.9	1294.9	1298.3	1301.7	1298.8	1295.8	1285.2	1274.5	1263.5	1252.4	1248.8
17.5°	1296.1	1306.0	1321.4	1336.7	1343.1	1349.5	1337.0	1324.3	1306.6	1288.9	1280.5
20°	1264.9	1288.5	1317.4	1346.4	1357.0	1367.8	1355.6	1343.5	1323.7	1303.9	1290.7
22.5°	1240.0	1269.0	1299.3	1329.4	1338.9	1348.2	1341.4	1334.5	1313.2	1291.7	1277.6
25°	1198.3	1226.8	1256.0	1285.1	1298.3	1311.5	1309.9	1308.3	1286.1	1263.9	1248.3
27.5°	1155.8	1179.9	1205.5	1231.0	1245.9	1260.8	1262.9	1264.9	1248.3	1231.7	1217.1
30°	1106.9	1123.3	1145.8	1168.1	1183.4	1198.7	1204.1	1209.3	1198.7	1188.2	1178.3
32.5°	1076.6	1083.5	1099.4	1115.4	1130.0	1144.5	1152.6	1160.8	1159.0	1157.3	1153.5
35°	1037.2	1036.8	1044.0	1051.3	1064.4	1077.7	1093.4	1109.0	1111.1	1113.1	1114.6
37.5°	988.7	984.1	988.8	993.4	1004.9	1016.4	1032.6	1049.0	1060.6	1072.2	1077.6
40°	945.5	939.1	939.6	940.1	950.5	960.8	976.1	991.5	1013.1	1034.7	1046.5
42.5°	895.1	892.1	890.4	888.6	897.4	906.1	929.4	952.5	976.7	1000.7	1011.3
45°	850.7	843.9	846.3	848.6	859.8	870.7	890.8	911.0	938.6	966.2	979.3
47.5°	812.3	808.8	812.6	816.4	827.7	838.8	863.5	888.0	914.9	941.9	955.8
50°	779.3	777.1	788.1	798.8	811.6	824.4	845.7	866.9	895.7	924.4	943.6
52.5°	766.5	760.9	776.8	792.8	802.5	812.3	832.3	852.2	883.6	915.1	933.7
55°	758.6	740.4	760.0	779.4	791.1	803.0	825.1	847.1	875.1	903.1	921.0
57.5°	755.9	721.3	740.4	759.6	780.0	800.5	822.8	845.2	873.8	902.3	917.6
60°	753.1	712.7	723.8	734.9	764.2	793.4	814.5	835.6	862.2	888.6	899.2
62.5°	739.8	705.5	704.3	703.0	734.4	765.6	789.7	813.9	838.0	862.2	869.6
65°	709.8	687.4	677.4	667.6	695.2	722.9	748.6	774.3	794.2	814.1	823.3
67.5°	658.5	646.3	638.6	630.9	657.9	684.8	704.6	724.4	744.2	764.1	771.6
70°	603.1	604.6	599.0	593.1	613.0	632.7	658.1	683.6	694.5	705.5	709.8
72.5°	544.8	544.9	542.2	539.4	559.0	578.5	595.3	612.0	622.4	632.7	637.6
75°	478.9	481.0	479.3	477.6	494.3	511.1	526.4	541.7	553.0	564.1	567.0
77.5°	417.7	422.9	420.9	418.8	429.0	439.3	445.8	452.3	465.1	477.9	480.3
80°	345.4	352.9	352.4	351.6	356.5	361.3	363.0	364.8	374.2	383.6	386.1
82.5°	269.2	281.1	289.8	298.3	301.5	304.7	290.7	276.6	284.2	291.6	297.4
85°	196.0	217.8	233.8	249.8	240.3	231.0	194.7	158.4	172.7	187.2	196.8
87.5°	121.0	143.4	151.5	159.7	147.1	134.4	107.8	81.1	92.8	104.5	114.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1231.9	1230.5	1229.1	1232.2	1235.3	1239.4	1235.3	1232.2	1229.1	1230.5	1231.9
5°	1167.5	1165.2	1162.9	1163.7	1164.2	1164.0	1164.2	1163.7	1162.9	1165.2	1167.5
7.5°	1150.6	1150.2	1149.9	1150.9	1151.8	1147.4	1151.8	1150.9	1149.9	1150.2	1150.6
10°	1169.3	1172.9	1176.5	1179.4	1182.5	1180.6	1182.5	1179.4	1176.5	1172.9	1169.3
12.5°	1205.1	1209.7	1214.1	1215.7	1217.4	1213.8	1217.4	1215.7	1214.1	1209.7	1205.1
15°	1245.1	1244.7	1244.5	1242.9	1241.3	1239.4	1241.3	1242.9	1244.5	1244.7	1245.1
17.5°	1272.3	1268.6	1264.9	1263.1	1261.3	1263.6	1261.3	1263.1	1264.9	1268.6	1272.3
20°	1277.7	1275.8	1273.8	1273.7	1273.6	1272.6	1273.6	1273.7	1273.8	1275.8	1277.7
22.5°	1263.4	1257.4	1251.5	1254.0	1256.6	1264.9	1256.6	1254.0	1251.5	1257.4	1263.4
25°	1232.7	1229.8	1226.8	1226.1	1225.3	1221.5	1225.3	1226.1	1226.8	1229.8	1232.7
27.5°	1202.6	1200.0	1197.4	1200.8	1203.8	1206.1	1203.8	1200.8	1197.4	1200.0	1202.6
30°	1168.4	1169.0	1169.3	1174.3	1179.3	1188.2	1179.3	1174.3	1169.3	1169.0	1168.4
32.5°	1149.7	1144.5	1139.4	1141.1	1142.9	1149.9	1142.9	1141.1	1139.4	1144.5	1149.7
35°	1116.1	1116.1	1116.1	1120.3	1124.4	1133.3	1124.4	1120.3	1116.1	1116.1	1116.1
37.5°	1082.8	1087.1	1091.1	1092.9	1094.7	1095.0	1094.7	1092.9	1091.1	1087.1	1082.8
40°	1058.6	1059.1	1059.5	1056.9	1054.3	1055.4	1054.3	1056.9	1059.5	1059.1	1058.6
42.5°	1021.9	1026.5	1031.1	1032.2	1033.4	1036.2	1033.4	1032.2	1031.1	1026.5	1021.9
45°	992.5	994.8	997.2	996.6	996.0	992.8	996.0	996.6	997.2	994.8	992.5
47.5°	969.8	971.8	973.8	975.5	977.2	980.0	977.2	975.5	973.8	971.8	969.8
50°	962.7	962.1	961.5	956.3	951.2	949.3	951.2	956.3	961.5	962.1	962.7
52.5°	952.1	953.8	955.4	952.5	949.6	950.6	949.6	952.5	955.4	953.8	952.1
55°	938.8	940.6	942.7	937.1	931.4	927.6	931.4	937.1	942.7	940.6	938.8
57.5°	933.0	929.5	926.1	921.7	917.4	918.7	917.4	921.7	926.1	929.5	933.0
60°	909.7	905.6	901.4	891.9	882.6	875.2	882.6	891.9	901.4	905.6	909.7
62.5°	877.1	873.2	869.1	858.5	847.7	834.3	847.7	858.5	869.1	873.2	877.1
65°	832.4	825.9	819.2	808.6	797.9	790.9	797.9	808.6	819.2	825.9	832.4
67.5°	779.1	771.8	764.7	750.6	736.6	725.7	736.6	750.6	764.7	771.8	779.1
70°	714.0	707.1	700.2	691.2	682.3	674.6	682.3	691.2	700.2	707.1	714.0
72.5°	642.4	634.8	627.1	615.1	603.1	595.4	603.1	615.1	627.1	634.8	642.4
75°	569.8	560.3	550.7	538.2	525.8	514.9	525.8	538.2	550.7	560.3	569.8
77.5°	482.7	475.4	468.3	456.6	444.9	434.4	444.9	456.6	468.3	475.4	482.7
80°	388.7	385.2	381.8	372.1	362.6	348.8	362.6	372.1	381.8	385.2	388.7
82.5°	303.1	301.5	300.0	292.0	283.9	272.1	283.9	292.0	300.0	301.5	303.1
85°	206.3	208.0	209.5	203.9	198.3	189.1	198.3	203.9	209.5	208.0	206.3
87.5°	123.7	117.4	111.2	98.4	85.6	71.6	85.6	98.4	111.2	117.4	123.7
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: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1236.2	1240.4	1247.8	1255.3	1259.2	1263.0	1268.1	1273.2	1278.7	1284.1	1289.7
5°	1172.9	1178.3	1185.2	1192.1	1201.0	1210.0	1218.3	1226.6	1239.9	1253.1	1268.5
7.5°	1154.0	1157.6	1159.1	1160.8	1169.2	1177.8	1189.6	1201.7	1216.4	1231.0	1249.2
10°	1169.6	1169.7	1171.6	1173.5	1179.4	1185.4	1196.2	1207.2	1221.5	1235.8	1254.8
12.5°	1207.5	1210.0	1219.2	1228.5	1228.0	1227.6	1238.3	1249.3	1259.7	1270.0	1278.8
15°	1248.8	1252.4	1263.5	1274.5	1285.2	1295.8	1298.8	1301.7	1298.3	1294.9	1291.9
17.5°	1280.5	1288.9	1306.6	1324.3	1337.0	1349.5	1343.1	1336.7	1321.4	1306.0	1296.1
20°	1290.7	1303.9	1323.7	1343.5	1355.6	1367.8	1357.0	1346.4	1317.4	1288.5	1264.9
22.5°	1277.6	1291.7	1313.2	1334.5	1341.4	1348.2	1338.9	1329.4	1299.3	1269.0	1240.0
25°	1248.3	1263.9	1286.1	1308.3	1309.9	1311.5	1298.3	1285.1	1256.0	1226.8	1198.3
27.5°	1217.1	1231.7	1248.3	1264.9	1262.9	1260.8	1245.9	1231.0	1205.5	1179.9	1155.8
30°	1178.3	1188.2	1198.7	1209.3	1204.1	1198.7	1183.4	1168.1	1145.8	1123.3	1106.9
32.5°	1153.5	1157.3	1159.0	1160.8	1152.6	1144.5	1130.0	1115.4	1099.4	1083.5	1076.6
35°	1114.6	1113.1	1111.1	1109.0	1093.4	1077.7	1064.4	1051.3	1044.0	1036.8	1037.2
37.5°	1077.6	1072.2	1060.6	1049.0	1032.6	1016.4	1004.9	993.4	988.8	984.1	988.7
40°	1046.5	1034.7	1013.1	991.5	976.1	960.8	950.5	940.1	939.6	939.1	945.5
42.5°	1011.3	1000.7	976.7	952.5	929.4	906.1	897.4	888.6	890.4	892.1	895.1
45°	979.3	966.2	938.6	911.0	890.8	870.7	859.8	848.6	846.3	843.9	850.7
47.5°	955.8	941.9	914.9	888.0	863.5	838.8	827.7	816.4	812.6	808.8	812.3
50°	943.6	924.4	895.7	866.9	845.7	824.4	811.6	798.8	788.1	777.1	779.3
52.5°	933.7	915.1	883.6	852.2	832.3	812.3	802.5	792.8	776.8	760.9	766.5
55°	921.0	903.1	875.1	847.1	825.1	803.0	791.1	779.4	760.0	740.4	758.6
57.5°	917.6	902.3	873.8	845.2	822.8	800.5	780.0	759.6	740.4	721.3	755.9
60°	899.2	888.6	862.2	835.6	814.5	793.4	764.2	734.9	723.8	712.7	753.1
62.5°	869.6	862.2	838.0	813.9	789.7	765.6	734.4	703.0	704.3	705.5	739.8
65°	823.3	814.1	794.2	774.3	748.6	722.9	695.2	667.6	677.4	687.4	709.8
67.5°	771.6	764.1	744.2	724.4	704.6	684.8	657.9	630.9	638.6	646.3	658.5
70°	709.8	705.5	694.5	683.6	658.1	632.7	613.0	593.1	599.0	604.6	603.1
72.5°	637.6	632.7	622.4	612.0	595.3	578.5	559.0	539.4	542.2	544.9	544.8
75°	567.0	564.1	553.0	541.7	526.4	511.1	494.3	477.6	479.3	481.0	478.9
77.5°	480.3	477.9	465.1	452.3	445.8	439.3	429.0	418.8	420.9	422.9	417.7
80°	386.1	383.6	374.2	364.8	363.0	361.3	356.5	351.6	352.4	352.9	345.4
82.5°	297.4	291.6	284.2	276.6	290.7	304.7	301.5	298.3	289.8	281.1	269.2
85°	196.8	187.2	172.7	158.4	194.7	231.0	240.3	249.8	233.8	217.8	196.0
87.5°	114.0	104.5	92.8	81.1	107.8	134.4	147.1	159.7	151.5	143.4	121.0
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: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1295.3	1306.4	1313.5	1319.6	1325.6	1334.0	1342.6	1347.3	1352.0	1353.3	1356.9
5°	1283.8	1297.5	1312.2	1328.7	1345.1	1364.7	1384.4	1405.3	1426.1	1440.8	1451.4
7.5°	1267.2	1289.8	1312.8	1337.1	1361.4	1392.9	1424.6	1458.0	1491.3	1531.8	1579.9
10°	1273.8	1309.6	1330.7	1357.7	1384.8	1428.7	1472.9	1529.5	1586.2	1633.4	1673.1
12.5°	1287.6	1302.6	1332.0	1371.1	1410.3	1465.8	1521.5	1589.9	1658.4	1725.0	1786.2
15°	1288.9	1297.5	1328.1	1373.0	1418.0	1488.5	1559.0	1649.4	1739.6	1823.5	1898.0
17.5°	1285.9	1271.9	1302.0	1354.6	1407.4	1499.2	1591.0	1697.9	1804.7	1912.3	2021.3
20°	1241.1	1234.9	1264.3	1328.0	1391.6	1507.4	1622.9	1752.7	1882.3	1998.8	2108.8
22.5°	1210.9	1185.7	1214.8	1286.8	1358.8	1495.9	1632.9	1783.0	1933.1	2058.5	2173.3
25°	1169.7	1144.2	1168.4	1241.9	1315.4	1471.4	1627.5	1802.2	1976.8	2123.4	2260.9
27.5°	1131.8	1107.1	1133.3	1214.8	1296.2	1477.5	1658.7	1855.3	2052.0	2193.3	2317.1
30°	1090.2	1082.2	1110.6	1196.2	1281.8	1481.0	1680.2	1900.5	2120.9	2271.5	2398.8
32.5°	1069.7	1061.8	1087.3	1167.7	1248.0	1464.0	1679.9	1929.9	2180.0	2343.9	2481.3
35°	1037.6	1040.0	1059.5	1133.2	1206.8	1439.8	1672.7	1956.9	2241.1	2414.0	2549.0
37.5°	993.1	998.5	1012.6	1082.8	1153.1	1403.9	1654.6	1977.8	2301.1	2506.6	2667.8
40°	951.9	955.7	960.6	1028.4	1096.3	1369.2	1642.1	2025.4	2408.7	2655.9	2833.3
42.5°	898.2	908.4	917.6	982.7	1047.7	1340.3	1632.9	2070.6	2508.3	2819.5	3063.9
45°	857.6	858.0	884.8	950.3	1015.8	1317.2	1618.6	2132.6	2646.7	3083.8	3459.3
47.5°	815.9	831.8	874.2	933.5	992.8	1293.1	1593.5	2231.5	2869.4	3526.5	4121.2
50°	781.4	811.3	873.7	927.9	982.3	1284.3	1586.6	2406.1	3225.9	4160.1	4996.4
52.5°	772.1	812.6	874.6	916.6	958.5	1262.2	1565.8	2540.0	3514.3	4712.7	5801.3
55°	776.8	847.7	884.4	900.0	915.5	1216.6	1517.9	2575.0	3632.2	5083.9	6499.6
57.5°	790.6	870.7	870.1	879.8	889.5	1148.5	1407.4	2411.1	3415.0	5137.9	7003.0
60°	793.4	840.7	812.6	841.9	871.1	1020.9	1170.6	2054.3	2937.6	4818.4	6916.7
62.5°	774.0	790.9	757.9	781.3	804.7	875.7	946.8	1707.1	2467.5	4289.7	6354.5
65°	732.1	722.5	714.0	719.1	724.2	738.2	752.3	1388.8	2025.4	3702.7	5655.7
67.5°	670.8	648.4	645.0	620.2	595.4	582.8	570.1	1092.7	1615.2	3085.2	4852.0
70°	601.4	581.3	563.5	526.7	490.0	472.7	455.5	848.9	1242.2	2528.1	4160.8
72.5°	544.8	523.2	484.2	442.7	401.2	386.1	371.2	640.4	909.7	1950.8	3336.0
75°	476.7	454.2	404.8	366.2	327.7	316.7	305.6	473.5	641.4	1403.9	2454.4
77.5°	412.4	389.1	330.9	295.9	260.9	255.5	250.2	348.8	447.4	966.9	1701.9
80°	337.7	310.5	258.7	229.5	200.3	196.6	192.9	240.8	288.8	556.6	938.5
82.5°	257.3	228.1	191.0	168.8	146.7	144.5	142.5	162.1	181.7	296.8	464.4
85°	174.0	144.4	121.4	107.5	93.5	92.5	91.4	96.6	102.0	134.2	182.7
87.5°	98.6	62.6	50.1	43.2	36.0	37.3	38.6	40.6	42.4	51.1	65.8
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: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1362.6	1368.4	1370.8	1373.3	1375.6	1378.0	1379.8	1381.7	1377.3	1381.7	1379.8
5°	1469.3	1487.2	1502.7	1518.1	1529.9	1541.5	1547.3	1553.1	1562.6	1553.1	1547.3
7.5°	1604.3	1628.8	1662.4	1696.1	1719.0	1741.7	1751.7	1761.7	1764.5	1761.7	1751.7
10°	1735.7	1798.3	1835.5	1872.8	1900.0	1927.4	1950.8	1974.3	2000.8	1974.3	1950.8
12.5°	1857.5	1928.7	1982.3	2036.0	2070.5	2105.0	2128.1	2151.4	2159.3	2151.4	2128.1
15°	1975.8	2053.5	2103.8	2154.2	2181.0	2207.8	2219.3	2230.8	2244.9	2230.8	2219.3
17.5°	2079.6	2137.8	2171.0	2204.3	2205.4	2206.6	2192.1	2177.7	2174.6	2177.7	2192.1
20°	2157.0	2205.3	2205.9	2206.6	2177.8	2149.1	2124.0	2099.1	2087.7	2099.1	2124.0
22.5°	2206.4	2239.5	2205.4	2171.4	2107.5	2043.7	2007.4	1971.1	1961.2	1971.1	2007.4
25°	2266.0	2271.1	2201.7	2132.4	2043.3	1954.2	1907.7	1861.1	1850.1	1861.1	1907.7
27.5°	2301.0	2284.7	2179.6	2074.3	1969.7	1865.2	1812.1	1759.1	1744.0	1759.1	1812.1
30°	2340.5	2281.9	2146.4	2010.8	1905.5	1800.3	1755.9	1711.6	1698.0	1711.6	1755.9
32.5°	2383.9	2286.4	2141.1	1995.7	1922.4	1849.1	1837.0	1824.9	1815.6	1824.9	1837.0
35°	2439.6	2330.2	2220.7	2111.4	2122.5	2133.7	2173.1	2212.6	2211.7	2212.6	2173.1
37.5°	2555.9	2443.9	2425.8	2407.8	2549.0	2690.2	2803.5	2916.7	2975.7	2916.7	2803.5
40°	2754.7	2676.1	2741.6	2807.1	3003.3	3199.6	3333.7	3467.9	3566.0	3467.9	3333.7
42.5°	3019.2	2974.4	3056.3	3138.2	3353.7	3568.8	3751.8	3934.5	4072.0	3934.5	3751.8
45°	3413.2	3366.9	3406.0	3444.9	3714.5	3984.1	4270.5	4557.0	4799.0	4557.0	4270.5
47.5°	4013.8	3906.5	3873.8	3841.0	4204.2	4567.5	4986.0	5404.8	5653.7	5404.8	4986.0
50°	4828.6	4661.0	4507.9	4355.0	4867.5	5380.1	5989.8	6599.5	6856.0	6599.5	5989.8
52.5°	5647.3	5493.4	5224.4	4955.5	5562.0	6168.6	6960.4	7752.2	7998.3	7752.2	6960.4
55°	6564.0	6628.4	6264.5	5900.6	6573.5	7246.4	8260.7	9274.9	9709.1	9274.9	8260.7
57.5°	7575.6	8148.4	7759.5	7370.7	7998.8	8626.9	9832.5	11038.3	11764.9	11038.3	9832.5
60°	8064.6	9212.3	9039.7	8867.1	9403.7	9940.4	11248.4	12556.7	13405.4	12556.7	11248.4
62.5°	7603.7	8853.0	8901.7	8950.4	9667.1	10383.7	11566.3	12749.0	13500.0	12749.0	11566.3
65°	6831.5	8007.2	8079.4	8151.6	8980.2	9808.8	10968.8	12128.8	12734.6	12128.8	10968.8
67.5°	6074.7	7297.5	7341.0	7384.7	8142.0	8899.3	9943.4	10987.5	11335.6	10987.5	9943.4
70°	5325.5	6490.4	6585.8	6681.2	7342.6	8003.6	8776.8	9549.9	9748.7	9549.9	8776.8
72.5°	4507.5	5679.0	5824.9	5970.9	6455.4	6939.7	7480.3	8020.8	8002.1	8020.8	7480.3
75°	3552.2	4650.1	4852.0	5053.9	5350.9	5648.0	5933.4	6219.0	6138.0	6219.0	5933.4
77.5°	2589.7	3477.6	3691.3	3905.2	4114.8	4324.3	4525.5	4726.8	4599.7	4726.8	4525.5
80°	1571.0	2203.7	2444.3	2685.0	2904.0	3122.9	3226.8	3330.5	3116.3	3330.5	3226.8
82.5°	817.7	1171.0	1410.4	1649.7	1871.7	2093.5	2158.5	2223.4	2018.7	2223.4	2158.5
85°	360.1	537.3	716.0	894.6	1069.4	1244.2	1250.8	1257.6	1110.3	1257.6	1250.8
87.5°	138.2	210.8	302.8	394.8	488.7	582.6	579.3	575.9	475.3	575.9	579.3
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: P1209643

CATALOG NUMBER: UPW-SA2-130-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1378.0	1375.6	1373.3	1370.8	1368.4	1362.6	1356.9
5°	1541.5	1529.9	1518.1	1502.7	1487.2	1469.3	1451.4
7.5°	1741.7	1719.0	1696.1	1662.4	1628.8	1604.3	1579.9
10°	1927.4	1900.0	1872.8	1835.5	1798.3	1735.7	1673.1
12.5°	2105.0	2070.5	2036.0	1982.3	1928.7	1857.5	1786.2
15°	2207.8	2181.0	2154.2	2103.8	2053.5	1975.8	1898.0
17.5°	2206.6	2205.4	2204.3	2171.0	2137.8	2079.6	2021.3
20°	2149.1	2177.8	2206.6	2205.9	2205.3	2157.0	2108.8
22.5°	2043.7	2107.5	2171.4	2205.4	2239.5	2206.4	2173.3
25°	1954.2	2043.3	2132.4	2201.7	2271.1	2266.0	2260.9
27.5°	1865.2	1969.7	2074.3	2179.6	2284.7	2301.0	2317.1
30°	1800.3	1905.5	2010.8	2146.4	2281.9	2340.5	2398.8
32.5°	1849.1	1922.4	1995.7	2141.1	2286.4	2383.9	2481.3
35°	2133.7	2122.5	2111.4	2220.7	2330.2	2439.6	2549.0
37.5°	2690.2	2549.0	2407.8	2425.8	2443.9	2555.9	2667.8
40°	3199.6	3003.3	2807.1	2741.6	2676.1	2754.7	2833.3
42.5°	3568.8	3353.7	3138.2	3056.3	2974.4	3019.2	3063.9
45°	3984.1	3714.5	3444.9	3406.0	3366.9	3413.2	3459.3
47.5°	4567.5	4204.2	3841.0	3873.8	3906.5	4013.8	4121.2
50°	5380.1	4867.5	4355.0	4507.9	4661.0	4828.6	4996.4
52.5°	6168.6	5562.0	4955.5	5224.4	5493.4	5647.3	5801.3
55°	7246.4	6573.5	5900.6	6264.5	6628.4	6564.0	6499.6
57.5°	8626.9	7998.8	7370.7	7759.5	8148.4	7575.6	7003.0
60°	9940.4	9403.7	8867.1	9039.7	9212.3	8064.6	6916.7
62.5°	10383.7	9667.1	8950.4	8901.7	8853.0	7603.7	6354.5
65°	9808.8	8980.2	8151.6	8079.4	8007.2	6831.5	5655.7
67.5°	8899.3	8142.0	7384.7	7341.0	7297.5	6074.7	4852.0
70°	8003.6	7342.6	6681.2	6585.8	6490.4	5325.5	4160.8
72.5°	6939.7	6455.4	5970.9	5824.9	5679.0	4507.5	3336.0
75°	5648.0	5350.9	5053.9	4852.0	4650.1	3552.2	2454.4
77.5°	4324.3	4114.8	3905.2	3691.3	3477.6	2589.7	1701.9
80°	3122.9	2904.0	2685.0	2444.3	2203.7	1571.0	938.5
82.5°	2093.5	1871.7	1649.7	1410.4	1171.0	817.7	464.4
85°	1244.2	1069.4	894.6	716.0	537.3	360.1	182.7
87.5°	582.6	488.7	394.8	302.8	210.8	138.2	65.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)