

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: P1209263

Luminaire Tested: UPW-SA2-110-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12912 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

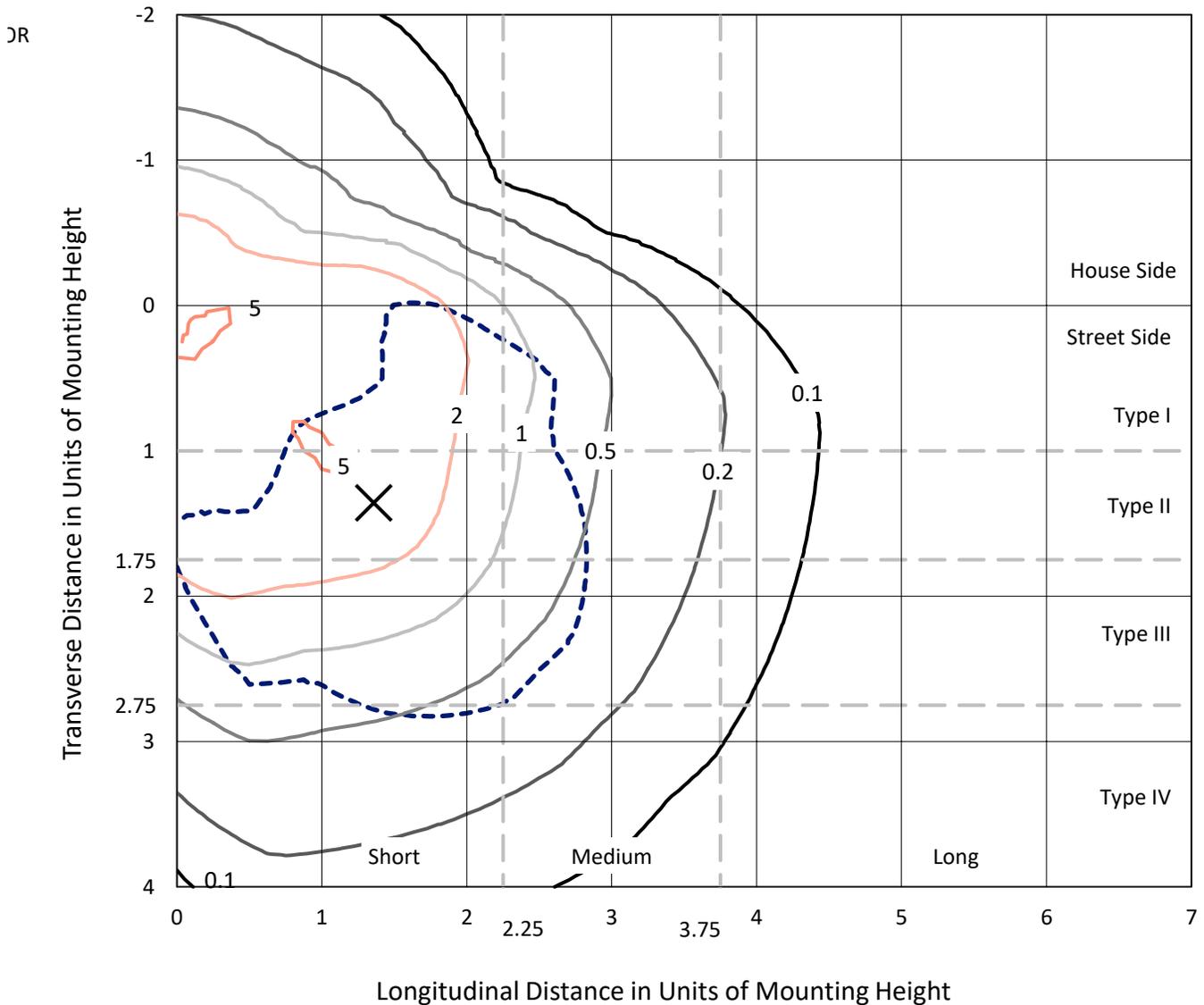
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

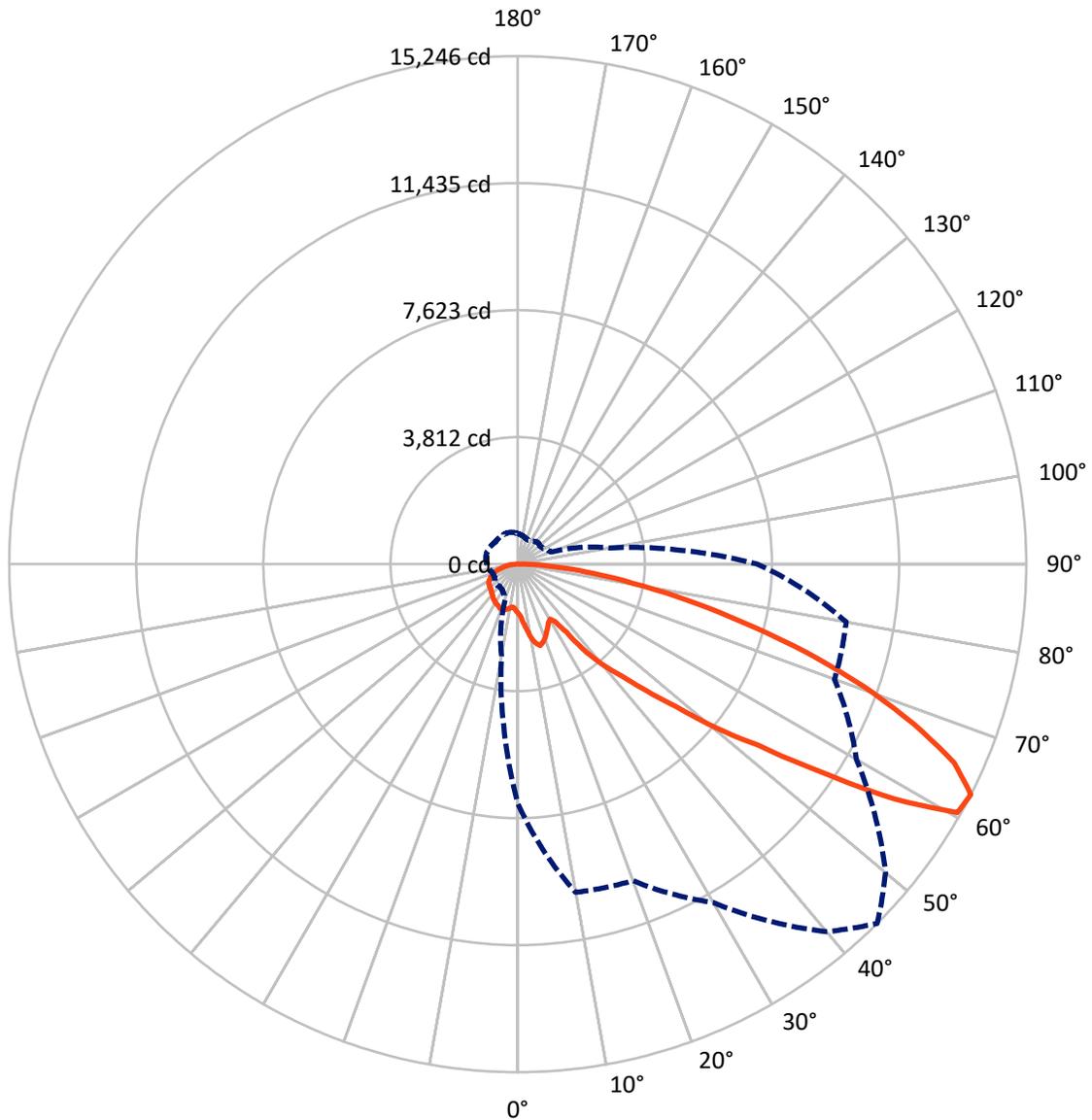
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3164.3	0.0	3164.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	9747.7	0.0	9747.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	12912.0	0.0	12912.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	1.1
10°-20°	495.4	3.8
20°-30°	805.7	6.2
30°-40°	1098.9	8.5
40°-50°	1663.9	12.9
50°-60°	2861.2	22.2
60°-70°	3355.5	26.0
70°-80°	2001.2	15.5
80°-90°	483.4	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°	12912.0	100.0
0°-180°	12912.0	100.0



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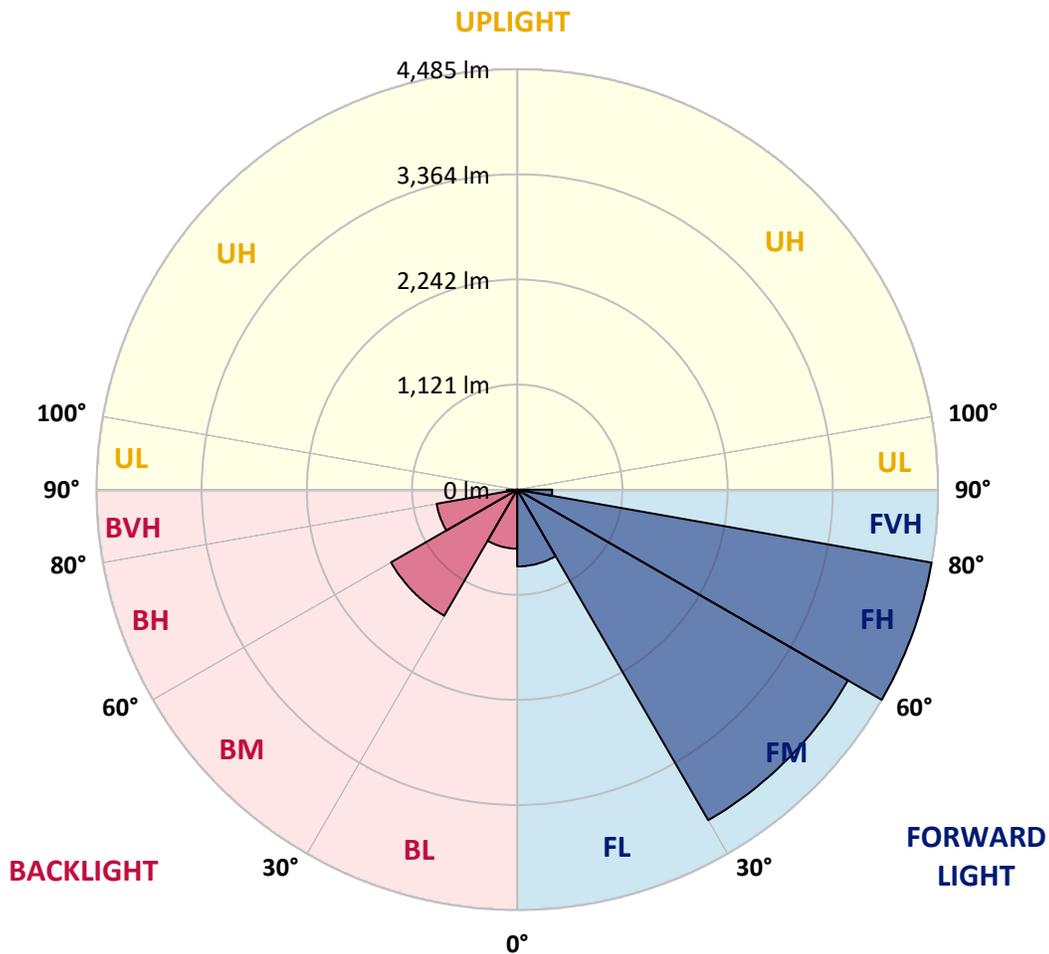
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	818.4	6.3			
FM	(30°-60°)	4070.9	31.5			
FH	(60°-80°)	4484.8	34.7			G2/5000
FVH	(80°-90°)	373.5	2.9			G3/500
BL	(0°-30°)	629.4	4.9	B2/1000		
BM	(30°-60°)	1553.1	12.0	B2/2500		
BH	(60°-80°)	871.9	6.8	B2/1000		G2/1000
BVH	(80°-90°)	109.9	0.9			G2/225
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1532.4	1538.9	1545.4	1548.2	1550.9	1553.5	1556.2	1558.3	1560.4	1555.5	1560.4
5°	1639.2	1659.4	1679.6	1697.1	1714.5	1727.8	1740.9	1747.4	1754.1	1764.7	1754.1
7.5°	1784.2	1811.8	1839.5	1877.4	1915.5	1941.4	1967.0	1978.3	1989.6	1992.7	1989.6
10°	1889.6	1960.3	2031.0	2073.0	2115.1	2145.8	2176.7	2203.1	2229.7	2259.7	2229.7
12.5°	2017.3	2097.8	2178.2	2238.8	2299.4	2338.3	2377.3	2403.4	2429.7	2438.6	2429.7
15°	2143.5	2231.4	2319.1	2376.0	2432.8	2463.1	2493.4	2506.4	2519.4	2535.3	2519.4
17.5°	2282.8	2348.6	2414.4	2451.9	2489.4	2490.7	2492.0	2475.7	2459.4	2455.9	2459.4
20°	2381.6	2436.0	2490.6	2491.3	2492.0	2459.5	2427.1	2398.8	2370.6	2357.8	2370.6
22.5°	2454.5	2491.9	2529.2	2490.7	2452.3	2380.2	2308.0	2267.0	2226.1	2215.0	2226.1
25°	2553.3	2559.1	2564.9	2486.5	2408.3	2307.6	2207.0	2154.5	2101.8	2089.4	2101.8
27.5°	2616.8	2598.6	2580.3	2461.6	2342.7	2224.5	2106.4	2046.6	1986.7	1969.6	1986.7
30°	2709.2	2643.2	2577.1	2424.0	2270.9	2152.0	2033.1	1983.1	1933.0	1917.7	1933.0
32.5°	2802.2	2692.3	2582.2	2418.1	2253.9	2171.1	2088.3	2074.7	2061.0	2050.5	2061.0
35°	2878.7	2755.2	2631.7	2508.0	2384.5	2397.1	2409.8	2454.2	2498.8	2497.8	2498.8
37.5°	3012.9	2886.5	2760.1	2739.6	2719.3	2878.7	3038.2	3166.2	3294.0	3360.7	3294.0
40°	3199.8	3111.0	3022.3	3096.3	3170.2	3391.8	3613.5	3765.0	3916.5	4027.3	3916.5
42.5°	3460.2	3409.7	3359.2	3451.7	3544.2	3787.5	4030.5	4237.1	4443.5	4598.7	4443.5
45°	3906.8	3854.7	3802.5	3846.7	3890.5	4195.0	4499.5	4823.0	5146.5	5419.8	5146.5
47.5°	4654.3	4533.1	4411.9	4374.9	4337.8	4748.1	5158.3	5631.0	6104.0	6385.1	6104.0
50°	5642.7	5453.3	5263.9	5091.1	4918.3	5497.1	6076.0	6764.6	7453.2	7742.9	7453.2
52.5°	6551.8	6377.9	6204.0	5900.3	5596.5	6281.5	6966.6	7860.8	8755.0	9033.0	8755.0
55°	7340.4	7413.1	7485.8	7074.9	6663.9	7423.9	8183.8	9329.3	10474.8	10965.1	10474.8
57.5°	7908.9	8555.6	9202.5	8763.3	8324.2	9033.5	9742.9	11104.5	12466.2	13286.8	12466.2
60°	7811.5	9107.8	10404.1	10209.1	10014.2	10620.2	11226.3	12703.6	14181.0	15139.6	14181.0
62.5°	7176.6	8587.4	9998.3	10053.3	10108.3	10917.6	11727.0	13062.6	14398.2	15246.4	14398.2
65°	6387.3	7715.2	9043.1	9124.6	9206.1	10141.9	11077.6	12387.7	13697.8	14382.0	13697.8
67.5°	5479.7	6860.6	8241.5	8290.7	8340.0	9195.3	10050.5	11229.7	12408.9	12802.0	12408.9
70°	4699.0	6014.4	7330.0	7437.8	7545.5	8292.4	9039.0	9912.2	10785.3	11009.8	10785.3
72.5°	3767.6	5090.6	6413.7	6578.5	6743.3	7290.4	7837.5	8448.0	9058.4	9037.3	9058.4
75°	2771.9	4011.7	5251.7	5479.7	5707.6	6043.1	6378.6	6701.0	7023.5	6932.0	7023.5
77.5°	1922.0	2924.7	3927.5	4168.9	4410.4	4647.1	4883.7	5111.0	5338.2	5194.7	5338.2
80°	1059.9	1774.3	2488.8	2760.5	3032.4	3279.7	3526.9	3644.2	3761.4	3519.4	3761.4
82.5°	524.5	923.5	1322.5	1592.9	1863.2	2113.8	2364.3	2437.7	2511.0	2279.9	2511.0
85°	206.3	406.6	606.8	808.6	1010.4	1207.8	1405.2	1412.7	1420.3	1253.9	1420.3
87.5°	74.3	156.1	238.1	342.0	445.9	551.9	658.0	654.2	650.3	536.8	650.3
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1558.3	1556.2	1553.5	1550.9	1548.2	1545.4	1538.9	1532.4	1528.4	1526.9	1521.6
5°	1747.4	1740.9	1727.8	1714.5	1697.1	1679.6	1659.4	1639.2	1627.2	1610.6	1587.1
7.5°	1978.3	1967.0	1941.4	1915.5	1877.4	1839.5	1811.8	1784.2	1730.0	1684.2	1646.6
10°	2203.1	2176.7	2145.8	2115.1	2073.0	2031.0	1960.3	1889.6	1844.7	1791.4	1727.4
12.5°	2403.4	2377.3	2338.3	2299.4	2238.8	2178.2	2097.8	2017.3	1948.1	1873.0	1795.6
15°	2506.4	2493.4	2463.1	2432.8	2376.0	2319.1	2231.4	2143.5	2059.4	1964.6	1862.7
17.5°	2475.7	2492.0	2490.7	2489.4	2451.9	2414.4	2348.6	2282.8	2159.7	2038.2	1917.6
20°	2398.8	2427.1	2459.5	2492.0	2491.3	2490.6	2436.0	2381.6	2257.4	2125.8	1979.5
22.5°	2267.0	2308.0	2380.2	2452.3	2490.7	2529.2	2491.9	2454.5	2324.8	2183.2	2013.7
25°	2154.5	2207.0	2307.6	2408.3	2486.5	2564.9	2559.1	2553.3	2398.1	2232.6	2035.3
27.5°	2046.6	2106.4	2224.5	2342.7	2461.6	2580.3	2598.6	2616.8	2477.0	2317.4	2095.3
30°	1983.1	2033.1	2152.0	2270.9	2424.0	2577.1	2643.2	2709.2	2565.3	2395.3	2146.4
32.5°	2074.7	2088.3	2171.1	2253.9	2418.1	2582.2	2692.3	2802.2	2647.1	2462.0	2179.6
35°	2454.2	2409.8	2397.1	2384.5	2508.0	2631.7	2755.2	2878.7	2726.3	2531.0	2210.0
37.5°	3166.2	3038.2	2878.7	2719.3	2739.6	2760.1	2886.5	3012.9	2830.8	2598.8	2233.7
40°	3765.0	3613.5	3391.8	3170.2	3096.3	3022.3	3111.0	3199.8	2999.5	2720.3	2287.4
42.5°	4237.1	4030.5	3787.5	3544.2	3451.7	3359.2	3409.7	3460.2	3184.2	2832.8	2338.5
45°	4823.0	4499.5	4195.0	3890.5	3846.7	3802.5	3854.7	3906.8	3482.7	2989.1	2408.5
47.5°	5631.0	5158.3	4748.1	4337.8	4374.9	4411.9	4533.1	4654.3	3982.7	3240.6	2520.1
50°	6764.6	6076.0	5497.1	4918.3	5091.1	5263.9	5453.3	5642.7	4698.3	3643.2	2717.4
52.5°	7860.8	6966.6	6281.5	5596.5	5900.3	6204.0	6377.9	6551.8	5322.4	3968.9	2868.6
55°	9329.3	8183.8	7423.9	6663.9	7074.9	7485.8	7413.1	7340.4	5741.6	4102.1	2908.2
57.5°	11104.5	9742.9	9033.5	8324.2	8763.3	9202.5	8555.6	7908.9	5802.6	3856.8	2723.0
60°	12703.6	11226.3	10620.2	10014.2	10209.1	10404.1	9107.8	7811.5	5441.7	3317.7	2320.0
62.5°	13062.6	11727.0	10917.6	10108.3	10053.3	9998.3	8587.4	7176.6	4844.6	2786.7	1927.9
65°	12387.7	11077.6	10141.9	9206.1	9124.6	9043.1	7715.2	6387.3	4181.7	2287.4	1568.5
67.5°	11229.7	10050.5	9195.3	8340.0	8290.7	8241.5	6860.6	5479.7	3484.3	1824.2	1234.0
70°	9912.2	9039.0	8292.4	7545.5	7437.8	7330.0	6014.4	4699.0	2855.2	1402.9	958.7
72.5°	8448.0	7837.5	7290.4	6743.3	6578.5	6413.7	5090.6	3767.6	2203.1	1027.4	723.2
75°	6701.0	6378.6	6043.1	5707.6	5479.7	5251.7	4011.7	2771.9	1585.5	724.4	534.8
77.5°	5111.0	4883.7	4647.1	4410.4	4168.9	3927.5	2924.7	1922.0	1092.0	505.3	393.9
80°	3644.2	3526.9	3279.7	3032.4	2760.5	2488.8	1774.3	1059.9	628.6	326.1	272.0
82.5°	2437.7	2364.3	2113.8	1863.2	1592.9	1322.5	923.5	524.5	335.2	205.2	183.1
85°	1412.7	1405.2	1207.8	1010.4	808.6	606.8	406.6	206.3	151.5	115.1	109.1
87.5°	654.2	658.0	551.9	445.9	342.0	238.1	156.1	74.3	57.7	47.9	45.9
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1516.3	1506.6	1497.1	1490.3	1483.4	1475.4	1462.9	1456.5	1450.2	1444.1	1437.9
5°	1563.5	1541.2	1519.2	1500.5	1481.9	1465.3	1449.9	1432.6	1415.3	1400.3	1385.2
7.5°	1608.9	1573.1	1537.5	1510.1	1482.6	1456.7	1431.1	1410.8	1390.3	1373.7	1357.1
10°	1663.4	1613.5	1563.9	1533.3	1502.8	1479.0	1438.6	1417.1	1395.6	1379.5	1363.3
12.5°	1718.3	1655.4	1592.7	1548.4	1504.3	1471.1	1454.2	1444.3	1434.3	1422.6	1410.9
15°	1760.7	1681.1	1601.4	1550.6	1500.0	1465.3	1455.7	1459.0	1462.4	1466.2	1470.1
17.5°	1796.8	1693.2	1589.4	1529.8	1470.4	1436.5	1452.2	1463.7	1475.0	1492.3	1509.6
20°	1832.9	1702.4	1571.7	1499.8	1427.8	1394.6	1401.7	1428.5	1455.2	1487.8	1520.6
22.5°	1844.1	1689.4	1534.6	1453.2	1372.0	1339.1	1367.5	1400.4	1433.2	1467.4	1501.4
25°	1838.0	1661.7	1485.5	1402.6	1319.6	1292.2	1321.0	1353.4	1385.5	1418.4	1451.3
27.5°	1873.3	1668.6	1463.9	1372.0	1279.9	1250.3	1278.2	1305.3	1332.6	1361.4	1390.3
30°	1897.5	1672.5	1447.6	1350.9	1254.2	1222.2	1231.3	1250.0	1268.7	1294.1	1319.2
32.5°	1897.2	1653.3	1409.5	1318.7	1228.0	1199.1	1208.0	1215.8	1223.6	1241.7	1259.7
35°	1889.1	1626.1	1362.9	1279.8	1196.5	1174.6	1171.8	1171.4	1171.0	1179.0	1187.3
37.5°	1868.6	1585.5	1302.3	1222.9	1143.5	1127.7	1121.6	1116.6	1111.4	1116.7	1121.9
40°	1854.5	1546.3	1238.1	1161.4	1084.8	1079.3	1075.0	1067.8	1060.6	1061.2	1061.7
42.5°	1844.1	1513.7	1183.2	1109.8	1036.3	1025.9	1014.4	1010.9	1007.5	1005.6	1003.6
45°	1827.9	1487.6	1147.2	1073.3	999.3	969.0	968.5	960.7	953.1	955.8	958.4
47.5°	1799.7	1460.4	1121.2	1054.2	987.3	939.4	921.5	917.4	913.4	917.7	922.1
50°	1791.9	1450.5	1109.4	1047.9	986.7	916.3	882.5	880.1	877.6	890.0	902.1
52.5°	1768.4	1425.5	1082.5	1035.2	987.7	917.7	872.0	865.6	859.3	877.3	895.4
55°	1714.2	1374.0	1033.9	1016.4	998.8	957.4	877.3	856.7	836.2	858.3	880.2
57.5°	1589.4	1297.1	1004.6	993.6	982.7	983.4	892.9	853.7	814.6	836.2	857.8
60°	1322.0	1152.9	983.8	950.8	917.7	949.5	896.1	850.5	804.9	817.4	830.0
62.5°	1069.2	989.0	908.8	882.4	856.0	893.2	874.1	835.5	796.8	795.4	793.9
65°	849.6	833.7	817.9	812.1	806.3	816.0	826.8	801.6	776.3	765.1	753.9
67.5°	643.9	658.1	672.4	700.4	728.4	732.3	757.6	743.7	729.9	721.2	712.5
70°	514.4	533.9	553.4	594.8	636.3	656.5	679.2	681.1	682.8	676.5	669.8
72.5°	419.2	436.1	453.1	500.0	546.9	590.9	615.3	615.3	615.4	612.4	609.2
75°	345.2	357.7	370.1	413.6	457.1	513.0	538.4	540.8	543.3	541.3	539.4
77.5°	282.5	288.6	294.7	334.2	373.7	439.4	465.8	471.7	477.6	475.3	473.0
80°	217.9	222.1	226.3	259.2	292.2	350.6	381.4	390.0	398.5	398.0	397.1
82.5°	160.9	163.2	165.7	190.6	215.7	257.6	290.6	304.0	317.5	327.3	336.9
85°	103.2	104.5	105.6	121.4	137.1	163.1	196.5	221.4	246.0	264.1	282.1
87.5°	43.6	42.1	40.7	48.8	56.6	70.7	111.4	136.6	161.9	171.1	180.4
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: P1209263

CATALOG NUMBER: UPW-SA2-110-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1432.1	1426.4	1422.0	1417.7	1409.2	1400.8	1396.1	1391.3	1389.7	1388.1	1391.6
5°	1375.9	1366.5	1356.4	1346.3	1338.5	1330.7	1324.6	1318.6	1316.0	1313.4	1314.3
7.5°	1343.5	1330.1	1320.5	1310.9	1309.1	1307.3	1303.3	1299.4	1299.0	1298.7	1299.8
10°	1350.9	1338.8	1332.0	1325.4	1323.2	1321.0	1320.9	1320.6	1324.6	1328.7	1332.0
12.5°	1398.5	1386.4	1386.8	1387.4	1376.9	1366.5	1363.7	1361.0	1366.2	1371.1	1373.0
15°	1466.8	1463.5	1451.5	1439.4	1426.9	1414.4	1410.4	1406.2	1405.7	1405.4	1403.7
17.5°	1516.8	1524.1	1509.9	1495.6	1475.6	1455.7	1446.1	1436.9	1432.7	1428.5	1426.5
20°	1532.6	1544.7	1531.0	1517.3	1494.9	1472.5	1457.7	1443.0	1440.8	1438.6	1438.5
22.5°	1512.1	1522.6	1515.0	1507.2	1483.1	1458.8	1442.8	1426.8	1420.0	1413.4	1416.3
25°	1466.2	1481.2	1479.3	1477.6	1452.5	1427.4	1409.8	1392.2	1388.9	1385.5	1384.7
27.5°	1407.0	1423.9	1426.2	1428.5	1409.8	1391.0	1374.6	1358.1	1355.2	1352.3	1356.1
30°	1336.5	1353.8	1359.8	1365.8	1353.8	1342.0	1330.7	1319.6	1320.2	1320.6	1326.2
32.5°	1276.2	1292.6	1301.7	1310.9	1308.9	1307.0	1302.7	1298.4	1292.6	1286.8	1288.7
35°	1202.1	1217.1	1234.9	1252.5	1254.8	1257.1	1258.8	1260.4	1260.4	1260.4	1265.2
37.5°	1134.9	1147.9	1166.2	1184.7	1197.8	1210.9	1217.0	1222.9	1227.7	1232.3	1234.3
40°	1073.4	1085.1	1102.4	1119.7	1144.1	1168.5	1181.9	1195.5	1196.1	1196.5	1193.6
42.5°	1013.5	1023.4	1049.6	1075.7	1103.0	1130.1	1142.1	1154.1	1159.3	1164.5	1165.8
45°	971.0	983.4	1006.0	1028.8	1060.0	1091.2	1106.0	1120.9	1123.5	1126.2	1125.5
47.5°	934.8	947.3	975.2	1002.9	1033.3	1063.8	1079.5	1095.2	1097.5	1099.8	1101.7
50°	916.6	931.0	955.1	979.1	1011.5	1044.0	1065.6	1087.3	1086.6	1085.8	1080.1
52.5°	906.3	917.4	939.9	962.5	998.0	1033.5	1054.5	1075.3	1077.2	1079.0	1075.7
55°	893.5	906.9	931.9	956.7	988.3	1019.9	1040.1	1060.3	1062.3	1064.6	1058.3
57.5°	880.9	904.0	929.3	954.5	986.8	1019.0	1036.3	1053.7	1049.8	1045.9	1041.0
60°	863.0	896.1	919.9	943.7	973.7	1003.6	1015.6	1027.4	1022.8	1018.0	1007.3
62.5°	829.4	864.6	891.9	919.2	946.4	973.7	982.1	990.6	986.1	981.5	969.5
65°	785.1	816.4	845.4	874.4	896.9	919.5	929.8	940.1	932.7	925.2	913.3
67.5°	743.0	773.4	795.8	818.2	840.5	862.9	871.4	879.9	871.7	863.6	847.7
70°	692.3	714.6	743.3	772.0	784.4	796.8	801.6	806.3	798.5	790.7	780.6
72.5°	631.3	653.4	672.3	691.2	702.9	714.6	720.0	725.5	716.9	708.2	694.6
75°	558.3	577.2	594.5	611.8	624.5	637.1	640.4	643.6	632.7	621.9	607.8
77.5°	484.5	496.1	503.5	510.8	525.2	539.7	542.4	545.2	536.9	528.8	515.7
80°	402.6	408.1	409.9	412.0	422.6	433.2	436.1	438.9	435.1	431.2	420.2
82.5°	340.5	344.1	328.3	312.4	320.9	329.3	335.9	342.3	340.5	338.8	329.7
85°	271.4	260.9	219.9	178.9	195.1	211.4	222.2	233.0	234.9	236.6	230.3
87.5°	166.1	151.8	121.8	91.6	104.8	118.0	128.7	139.7	132.6	125.5	111.1
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: P1209263

CATALOG NUMBER: UPW-SA2-110-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1395.1	1399.7	1395.1	1391.6	1388.1	1389.7	1391.3	1396.1	1400.8	1409.2	1417.7
5°	1314.8	1314.5	1314.8	1314.3	1313.4	1316.0	1318.6	1324.6	1330.7	1338.5	1346.3
7.5°	1300.8	1295.8	1300.8	1299.8	1298.7	1299.0	1299.4	1303.3	1307.3	1309.1	1310.9
10°	1335.5	1333.3	1335.5	1332.0	1328.7	1324.6	1320.6	1320.9	1321.0	1323.2	1325.4
12.5°	1374.9	1370.8	1374.9	1373.0	1371.1	1366.2	1361.0	1363.7	1366.5	1376.9	1387.4
15°	1401.8	1399.7	1401.8	1403.7	1405.4	1405.7	1406.2	1410.4	1414.4	1426.9	1439.4
17.5°	1424.5	1427.1	1424.5	1426.5	1428.5	1432.7	1436.9	1446.1	1455.7	1475.6	1495.6
20°	1438.3	1437.2	1438.3	1438.5	1438.6	1440.8	1443.0	1457.7	1472.5	1494.9	1517.3
22.5°	1419.2	1428.5	1419.2	1416.3	1413.4	1420.0	1426.8	1442.8	1458.8	1483.1	1507.2
25°	1383.8	1379.5	1383.8	1384.7	1385.5	1388.9	1392.2	1409.8	1427.4	1452.5	1477.6
27.5°	1359.6	1362.2	1359.6	1356.1	1352.3	1355.2	1358.1	1374.6	1391.0	1409.8	1428.5
30°	1331.9	1342.0	1331.9	1326.2	1320.6	1320.2	1319.6	1330.7	1342.0	1353.8	1365.8
32.5°	1290.7	1298.7	1290.7	1288.7	1286.8	1292.6	1298.4	1302.7	1307.0	1308.9	1310.9
35°	1269.8	1279.9	1269.8	1265.2	1260.4	1260.4	1260.4	1258.8	1257.1	1254.8	1252.5
37.5°	1236.3	1236.6	1236.3	1234.3	1232.3	1227.7	1222.9	1217.0	1210.9	1197.8	1184.7
40°	1190.7	1191.9	1190.7	1193.6	1196.5	1196.1	1195.5	1181.9	1168.5	1144.1	1119.7
42.5°	1167.1	1170.2	1167.1	1165.8	1164.5	1159.3	1154.1	1142.1	1130.1	1103.0	1075.7
45°	1124.8	1121.2	1124.8	1125.5	1126.2	1123.5	1120.9	1106.0	1091.2	1060.0	1028.8
47.5°	1103.6	1106.8	1103.6	1101.7	1099.8	1097.5	1095.2	1079.5	1063.8	1033.3	1002.9
50°	1074.3	1072.1	1074.3	1080.1	1085.8	1086.6	1087.3	1065.6	1044.0	1011.5	979.1
52.5°	1072.4	1073.6	1072.4	1075.7	1079.0	1077.2	1075.3	1054.5	1033.5	998.0	962.5
55°	1051.9	1047.6	1051.9	1058.3	1064.6	1062.3	1060.3	1040.1	1019.9	988.3	956.7
57.5°	1036.0	1037.5	1036.0	1041.0	1045.9	1049.8	1053.7	1036.3	1019.0	986.8	954.5
60°	996.8	988.4	996.8	1007.3	1018.0	1022.8	1027.4	1015.6	1003.6	973.7	943.7
62.5°	957.4	942.3	957.4	969.5	981.5	986.1	990.6	982.1	973.7	946.4	919.2
65°	901.1	893.2	901.1	913.3	925.2	932.7	940.1	929.8	919.5	896.9	874.4
67.5°	831.9	819.6	831.9	847.7	863.6	871.7	879.9	871.4	862.9	840.5	818.2
70°	770.5	761.9	770.5	780.6	790.7	798.5	806.3	801.6	796.8	784.4	772.0
72.5°	681.1	672.4	681.1	694.6	708.2	716.9	725.5	720.0	714.6	702.9	691.2
75°	593.8	581.5	593.8	607.8	621.9	632.7	643.6	640.4	637.1	624.5	611.8
77.5°	502.4	490.6	502.4	515.7	528.8	536.9	545.2	542.4	539.7	525.2	510.8
80°	409.5	393.9	409.5	420.2	431.2	435.1	438.9	436.1	433.2	422.6	412.0
82.5°	320.6	307.4	320.6	329.7	338.8	340.5	342.3	335.9	329.3	320.9	312.4
85°	223.9	213.6	223.9	230.3	236.6	234.9	233.0	222.2	211.4	195.1	178.9
87.5°	96.7	80.8	96.7	111.1	125.5	132.6	139.7	128.7	118.0	104.8	91.6
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: P1209263

CATALOG NUMBER: UPW-SA2-110-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1422.0	1426.4	1432.1	1437.9	1444.1	1450.2	1456.5	1462.9	1475.4	1483.4	1490.3
5°	1356.4	1366.5	1375.9	1385.2	1400.3	1415.3	1432.6	1449.9	1465.3	1481.9	1500.5
7.5°	1320.5	1330.1	1343.5	1357.1	1373.7	1390.3	1410.8	1431.1	1456.7	1482.6	1510.1
10°	1332.0	1338.8	1350.9	1363.3	1379.5	1395.6	1417.1	1438.6	1479.0	1502.8	1533.3
12.5°	1386.8	1386.4	1398.5	1410.9	1422.6	1434.3	1444.3	1454.2	1471.1	1504.3	1548.4
15°	1451.5	1463.5	1466.8	1470.1	1466.2	1462.4	1459.0	1455.7	1465.3	1500.0	1550.6
17.5°	1509.9	1524.1	1516.8	1509.6	1492.3	1475.0	1463.7	1452.2	1436.5	1470.4	1529.8
20°	1531.0	1544.7	1532.6	1520.6	1487.8	1455.2	1428.5	1401.7	1394.6	1427.8	1499.8
22.5°	1515.0	1522.6	1512.1	1501.4	1467.4	1433.2	1400.4	1367.5	1339.1	1372.0	1453.2
25°	1479.3	1481.2	1466.2	1451.3	1418.4	1385.5	1353.4	1321.0	1292.2	1319.6	1402.6
27.5°	1426.2	1423.9	1407.0	1390.3	1361.4	1332.6	1305.3	1278.2	1250.3	1279.9	1372.0
30°	1359.8	1353.8	1336.5	1319.2	1294.1	1268.7	1250.0	1231.3	1222.2	1254.2	1350.9
32.5°	1301.7	1292.6	1276.2	1259.7	1241.7	1223.6	1215.8	1208.0	1199.1	1228.0	1318.7
35°	1234.9	1217.1	1202.1	1187.3	1179.0	1171.0	1171.4	1171.8	1174.6	1196.5	1279.8
37.5°	1166.2	1147.9	1134.9	1121.9	1116.7	1111.4	1116.6	1121.6	1127.7	1143.5	1222.9
40°	1102.4	1085.1	1073.4	1061.7	1061.2	1060.6	1067.8	1075.0	1079.3	1084.8	1161.4
42.5°	1049.6	1023.4	1013.5	1003.6	1005.6	1007.5	1010.9	1014.4	1025.9	1036.3	1109.8
45°	1006.0	983.4	971.0	958.4	955.8	953.1	960.7	968.5	969.0	999.3	1073.3
47.5°	975.2	947.3	934.8	922.1	917.7	913.4	917.4	921.5	939.4	987.3	1054.2
50°	955.1	931.0	916.6	902.1	890.0	877.6	880.1	882.5	916.3	986.7	1047.9
52.5°	939.9	917.4	906.3	895.4	877.3	859.3	865.6	872.0	917.7	987.7	1035.2
55°	931.9	906.9	893.5	880.2	858.3	836.2	856.7	877.3	957.4	998.8	1016.4
57.5°	929.3	904.0	880.9	857.8	836.2	814.6	853.7	892.9	983.4	982.7	993.6
60°	919.9	896.1	863.0	830.0	817.4	804.9	850.5	896.1	949.5	917.7	950.8
62.5°	891.9	864.6	829.4	793.9	795.4	796.8	835.5	874.1	893.2	856.0	882.4
65°	845.4	816.4	785.1	753.9	765.1	776.3	801.6	826.8	816.0	806.3	812.1
67.5°	795.8	773.4	743.0	712.5	721.2	729.9	743.7	757.6	732.3	728.4	700.4
70°	743.3	714.6	692.3	669.8	676.5	682.8	681.1	679.2	656.5	636.3	594.8
72.5°	672.3	653.4	631.3	609.2	612.4	615.4	615.3	615.3	590.9	546.9	500.0
75°	594.5	577.2	558.3	539.4	541.3	543.3	540.8	538.4	513.0	457.1	413.6
77.5°	503.5	496.1	484.5	473.0	475.3	477.6	471.7	465.8	439.4	373.7	334.2
80°	409.9	408.1	402.6	397.1	398.0	398.5	390.0	381.4	350.6	292.2	259.2
82.5°	328.3	344.1	340.5	336.9	327.3	317.5	304.0	290.6	257.6	215.7	190.6
85°	219.9	260.9	271.4	282.1	264.1	246.0	221.4	196.5	163.1	137.1	121.4
87.5°	121.8	151.8	166.1	180.4	171.1	161.9	136.6	111.4	70.7	56.6	48.8
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: P1209263

CATALOG NUMBER: UPW-SA2-110-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4	1470.4
2.5°	1497.1	1506.6	1516.3	1521.6	1526.9	1528.4	1532.4
5°	1519.2	1541.2	1563.5	1587.1	1610.6	1627.2	1639.2
7.5°	1537.5	1573.1	1608.9	1646.6	1684.2	1730.0	1784.2
10°	1563.9	1613.5	1663.4	1727.4	1791.4	1844.7	1889.6
12.5°	1592.7	1655.4	1718.3	1795.6	1873.0	1948.1	2017.3
15°	1601.4	1681.1	1760.7	1862.7	1964.6	2059.4	2143.5
17.5°	1589.4	1693.2	1796.8	1917.6	2038.2	2159.7	2282.8
20°	1571.7	1702.4	1832.9	1979.5	2125.8	2257.4	2381.6
22.5°	1534.6	1689.4	1844.1	2013.7	2183.2	2324.8	2454.5
25°	1485.5	1661.7	1838.0	2035.3	2232.6	2398.1	2553.3
27.5°	1463.9	1668.6	1873.3	2095.3	2317.4	2477.0	2616.8
30°	1447.6	1672.5	1897.5	2146.4	2395.3	2565.3	2709.2
32.5°	1409.5	1653.3	1897.2	2179.6	2462.0	2647.1	2802.2
35°	1362.9	1626.1	1889.1	2210.0	2531.0	2726.3	2878.7
37.5°	1302.3	1585.5	1868.6	2233.7	2598.8	2830.8	3012.9
40°	1238.1	1546.3	1854.5	2287.4	2720.3	2999.5	3199.8
42.5°	1183.2	1513.7	1844.1	2338.5	2832.8	3184.2	3460.2
45°	1147.2	1487.6	1827.9	2408.5	2989.1	3482.7	3906.8
47.5°	1121.2	1460.4	1799.7	2520.1	3240.6	3982.7	4654.3
50°	1109.4	1450.5	1791.9	2717.4	3643.2	4698.3	5642.7
52.5°	1082.5	1425.5	1768.4	2868.6	3968.9	5322.4	6551.8
55°	1033.9	1374.0	1714.2	2908.2	4102.1	5741.6	7340.4
57.5°	1004.6	1297.1	1589.4	2723.0	3856.8	5802.6	7908.9
60°	983.8	1152.9	1322.0	2320.0	3317.7	5441.7	7811.5
62.5°	908.8	989.0	1069.2	1927.9	2786.7	4844.6	7176.6
65°	817.9	833.7	849.6	1568.5	2287.4	4181.7	6387.3
67.5°	672.4	658.1	643.9	1234.0	1824.2	3484.3	5479.7
70°	553.4	533.9	514.4	958.7	1402.9	2855.2	4699.0
72.5°	453.1	436.1	419.2	723.2	1027.4	2203.1	3767.6
75°	370.1	357.7	345.2	534.8	724.4	1585.5	2771.9
77.5°	294.7	288.6	282.5	393.9	505.3	1092.0	1922.0
80°	226.3	222.1	217.9	272.0	326.1	628.6	1059.9
82.5°	165.7	163.2	160.9	183.1	205.2	335.2	524.5
85°	105.6	104.5	103.2	109.1	115.1	151.5	206.3
87.5°	40.7	42.1	43.6	45.9	47.9	57.7	74.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)