

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: P1209479

Luminaire Tested: UPW-SA2-130-727-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-727-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1200mA 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: 13005 lumens
Efficiency: N/A
Efficacy: 100.8 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): 129
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

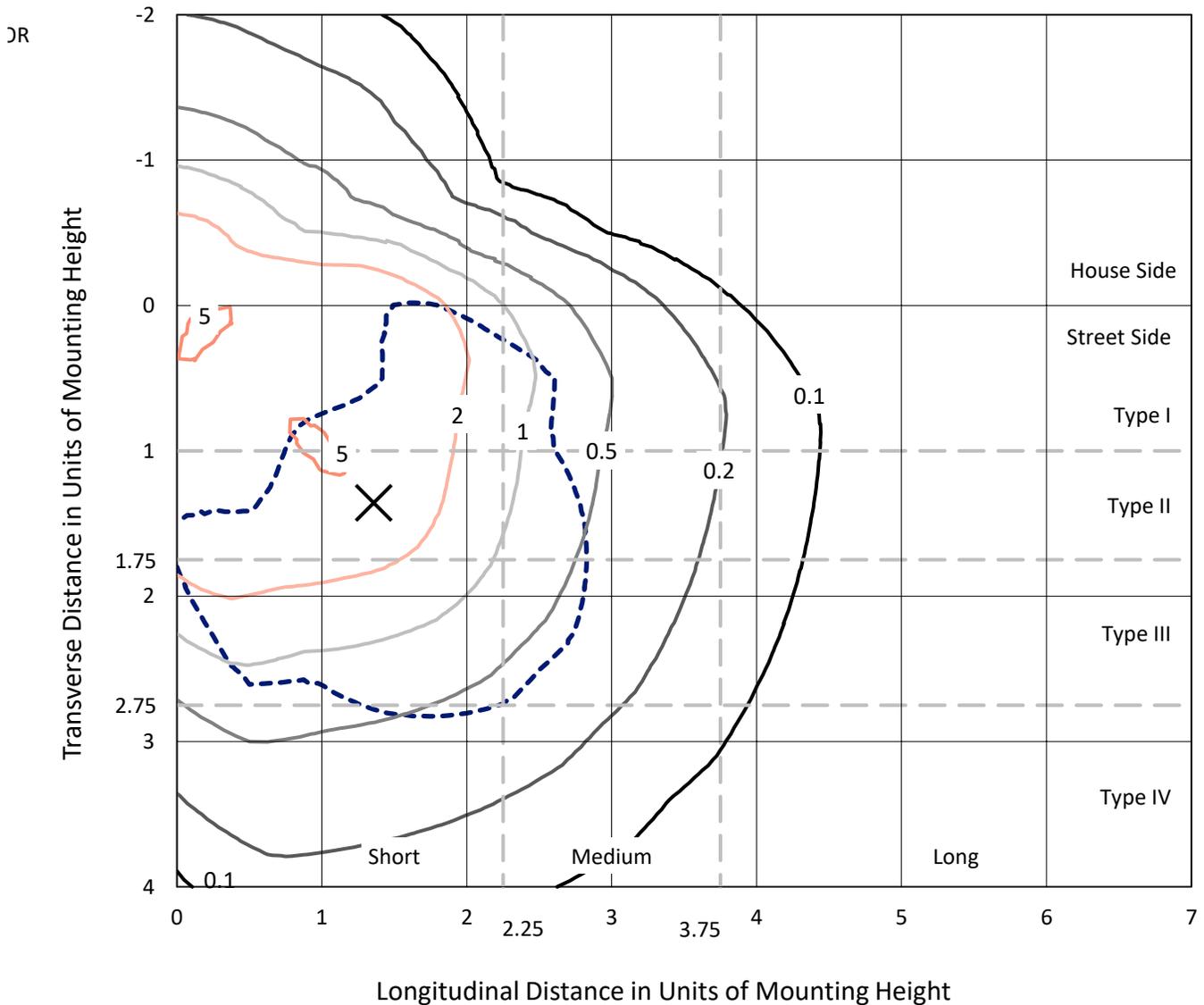


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

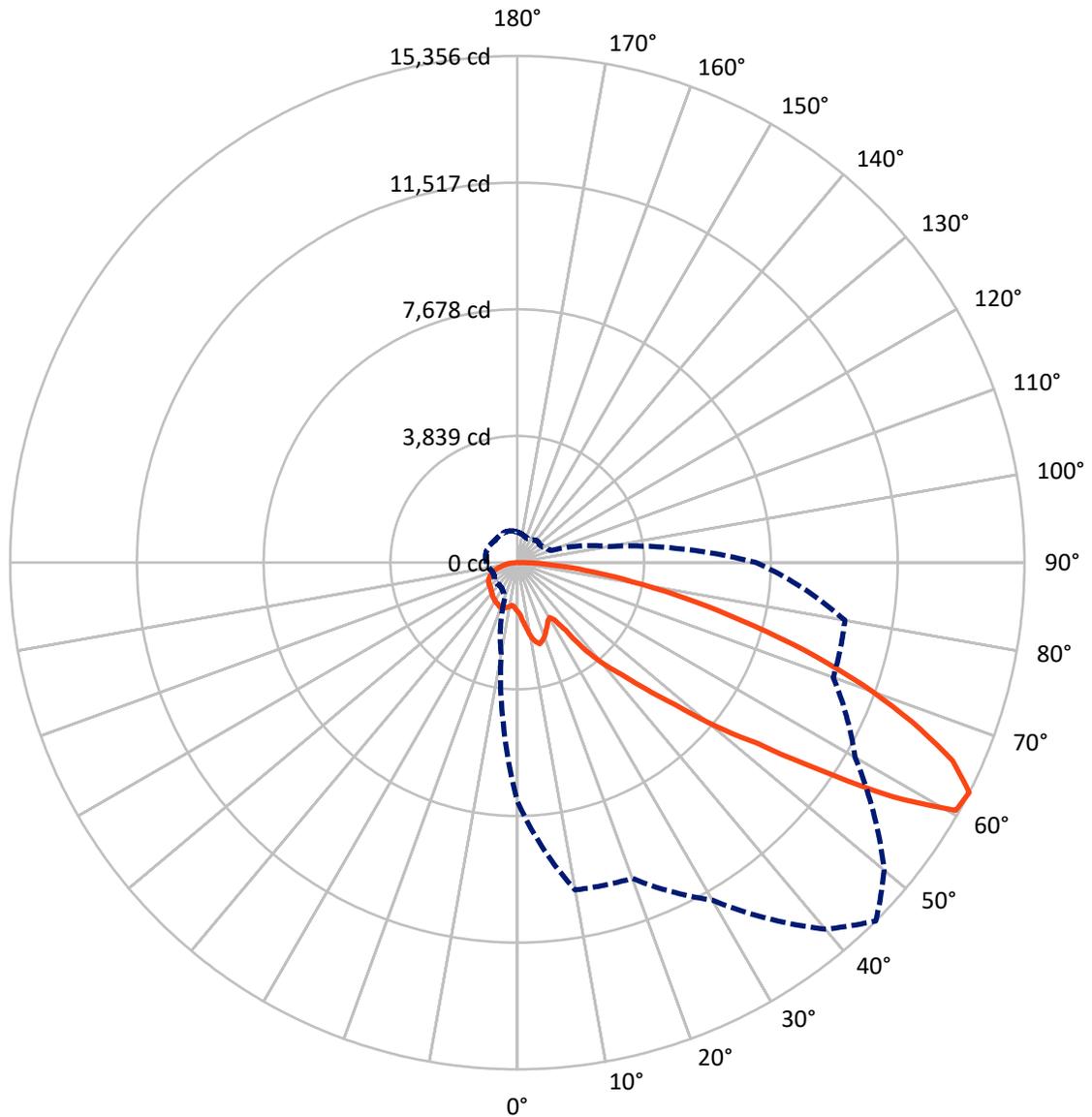


Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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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	3187.1	0.0	3187.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	9817.9	0.0	9817.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	13005.0	0.0	13005.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	1.1
10°-20°	498.9	3.8
20°-30°	811.5	6.2
30°-40°	1106.8	8.5
40°-50°	1675.9	12.9
50°-60°	2881.8	22.2
60°-70°	3379.6	26.0
70°-80°	2015.6	15.5
80°-90°	486.9	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°	13005.0	100.0
0°-180°	13005.0	100.0



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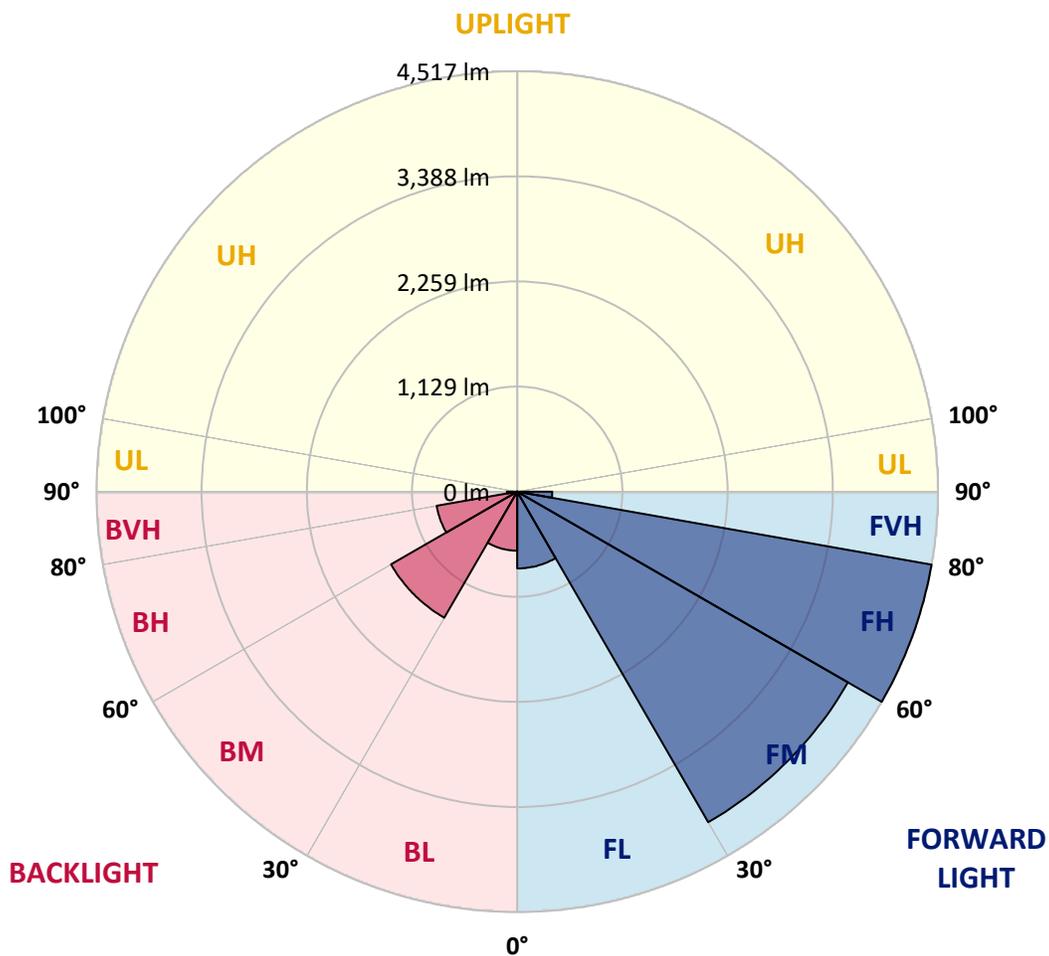
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	824.3	6.3			
FM	(30°-60°)	4100.3	31.5			
FH	(60°-80°)	4517.1	34.7			G2/5000
FVH	(80°-90°)	376.2	2.9			G3/500
BL	(0°-30°)	634.0	4.9	B2/1000		
BM	(30°-60°)	1564.3	12.0	B2/2500		
BH	(60°-80°)	878.2	6.8	B2/1000		G2/1000
BVH	(80°-90°)	110.6	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°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1543.5	1550.0	1556.5	1559.3	1562.1	1564.7	1567.4	1569.5	1571.7	1566.7	1571.7
5°	1651.0	1671.4	1691.7	1709.3	1726.9	1740.3	1753.5	1760.0	1766.7	1777.5	1766.7
7.5°	1797.1	1824.8	1852.7	1891.0	1929.3	1955.3	1981.2	1992.6	2003.9	2007.1	2003.9
10°	1903.2	1974.4	2045.6	2087.9	2130.3	2161.3	2192.4	2219.0	2245.7	2276.0	2245.7
12.5°	2031.8	2112.9	2193.8	2254.9	2315.9	2355.2	2394.4	2420.7	2447.2	2456.2	2447.2
15°	2159.0	2247.5	2335.8	2393.1	2450.4	2480.9	2511.4	2524.5	2537.6	2553.5	2537.6
17.5°	2299.2	2365.5	2431.8	2469.5	2507.3	2508.6	2509.9	2493.5	2477.1	2473.6	2477.1
20°	2398.8	2453.6	2508.5	2509.2	2509.9	2477.2	2444.5	2416.1	2387.7	2374.8	2387.7
22.5°	2472.2	2509.8	2547.4	2508.6	2470.0	2397.3	2324.6	2283.4	2242.1	2230.9	2242.1
25°	2571.7	2577.5	2583.3	2504.4	2425.7	2324.2	2222.9	2170.0	2117.0	2104.5	2117.0
27.5°	2635.7	2617.4	2598.9	2479.3	2359.5	2240.5	2121.6	2061.3	2001.0	1983.8	2001.0
30°	2728.7	2662.3	2595.7	2441.5	2287.3	2167.5	2047.8	1997.3	1946.9	1931.5	1946.9
32.5°	2822.4	2711.7	2600.8	2435.5	2270.1	2186.7	2103.3	2089.6	2075.8	2065.2	2075.8
35°	2899.4	2775.0	2650.6	2526.1	2401.7	2414.3	2427.1	2471.9	2516.8	2515.8	2516.8
37.5°	3034.6	2907.3	2780.0	2759.3	2738.9	2899.4	3060.0	3189.0	3317.7	3384.9	3317.7
40°	3222.8	3133.4	3044.1	3118.6	3193.0	3416.3	3639.5	3792.1	3944.7	4056.3	3944.7
42.5°	3485.2	3434.3	3383.4	3476.6	3569.7	3814.8	4059.5	4267.6	4475.5	4631.9	4475.5
45°	3935.0	3882.5	3829.9	3874.4	3918.5	4225.2	4531.9	4857.7	5183.5	5458.8	5183.5
47.5°	4687.8	4565.7	4443.6	4406.4	4369.1	4782.3	5195.5	5671.6	6148.0	6431.1	6148.0
50°	5683.4	5492.5	5301.8	5127.7	4953.8	5536.7	6119.8	6813.3	7506.9	7798.7	7506.9
52.5°	6599.0	6423.8	6248.7	5942.8	5636.8	6326.8	7016.8	7917.5	8818.1	9098.0	8818.1
55°	7393.2	7466.5	7539.7	7125.8	6711.9	7477.4	8242.7	9396.5	10550.2	11044.1	10550.2
57.5°	7965.9	8617.2	9268.8	8826.4	8384.1	9098.6	9813.1	11184.5	12556.0	13382.5	12556.0
60°	7867.8	9173.4	10479.0	10282.7	10086.3	10696.7	11307.1	12795.1	14283.2	15248.6	14283.2
62.5°	7228.3	8649.2	10070.3	10125.7	10181.1	10996.2	11811.4	13156.7	14501.9	15356.2	14501.9
65°	6433.3	7770.8	9108.2	9190.3	9272.4	10214.9	11157.4	12476.9	13796.4	14485.6	13796.4
67.5°	5519.1	6910.0	8300.9	8350.4	8400.1	9261.5	10122.9	11310.6	12498.3	12894.2	12498.3
70°	4732.9	6057.7	7382.8	7491.3	7599.9	8352.2	9104.1	9983.5	10863.0	11089.1	10863.0
72.5°	3794.7	5127.3	6459.9	6625.9	6791.8	7342.9	7893.9	8508.8	9123.6	9102.4	9123.6
75°	2791.9	4040.6	5289.5	5519.1	5748.8	6086.7	6424.6	6749.2	7074.1	6981.9	7074.1
77.5°	1935.9	2945.8	3955.7	4198.9	4442.2	4680.5	4918.9	5147.8	5376.7	5232.1	5376.7
80°	1067.5	1787.0	2506.8	2780.4	3054.2	3303.3	3552.3	3670.5	3788.5	3544.7	3788.5
82.5°	528.3	930.1	1332.0	1604.4	1876.6	2129.0	2381.3	2455.3	2529.1	2296.3	2529.1
85°	207.8	409.6	611.1	814.5	1017.6	1216.5	1415.3	1422.8	1430.5	1263.0	1430.5
87.5°	74.8	157.3	239.8	344.4	449.1	555.9	662.7	659.0	655.0	540.6	655.0
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1569.5	1567.4	1564.7	1562.1	1559.3	1556.5	1550.0	1543.5	1539.4	1537.9	1532.6
5°	1760.0	1753.5	1740.3	1726.9	1709.3	1691.7	1671.4	1651.0	1639.0	1622.2	1598.5
7.5°	1992.6	1981.2	1955.3	1929.3	1891.0	1852.7	1824.8	1797.1	1742.4	1696.4	1658.4
10°	2219.0	2192.4	2161.3	2130.3	2087.9	2045.6	1974.4	1903.2	1858.0	1804.3	1739.8
12.5°	2420.7	2394.4	2355.2	2315.9	2254.9	2193.8	2112.9	2031.8	1962.2	1886.5	1808.6
15°	2524.5	2511.4	2480.9	2450.4	2393.1	2335.8	2247.5	2159.0	2074.2	1978.7	1876.1
17.5°	2493.5	2509.9	2508.6	2507.3	2469.5	2431.8	2365.5	2299.2	2175.2	2052.9	1931.4
20°	2416.1	2444.5	2477.2	2509.9	2509.2	2508.5	2453.6	2398.8	2273.6	2141.1	1993.7
22.5°	2283.4	2324.6	2397.3	2470.0	2508.6	2547.4	2509.8	2472.2	2341.5	2198.9	2028.2
25°	2170.0	2222.9	2324.2	2425.7	2504.4	2583.3	2577.5	2571.7	2415.3	2248.6	2050.0
27.5°	2061.3	2121.6	2240.5	2359.5	2479.3	2598.9	2617.4	2635.7	2494.8	2334.1	2110.4
30°	1997.3	2047.8	2167.5	2287.3	2441.5	2595.7	2662.3	2728.7	2583.8	2412.6	2161.9
32.5°	2089.6	2103.3	2186.7	2270.1	2435.5	2600.8	2711.7	2822.4	2666.2	2479.7	2195.3
35°	2471.9	2427.1	2414.3	2401.7	2526.1	2650.6	2775.0	2899.4	2746.0	2549.2	2226.0
37.5°	3189.0	3060.0	2899.4	2738.9	2759.3	2780.0	2907.3	3034.6	2851.2	2617.5	2249.8
40°	3792.1	3639.5	3416.3	3193.0	3118.6	3044.1	3133.4	3222.8	3021.1	2739.9	2303.9
42.5°	4267.6	4059.5	3814.8	3569.7	3476.6	3383.4	3434.3	3485.2	3207.1	2853.2	2355.3
45°	4857.7	4531.9	4225.2	3918.5	3874.4	3829.9	3882.5	3935.0	3507.8	3010.6	2425.8
47.5°	5671.6	5195.5	4782.3	4369.1	4406.4	4443.6	4565.7	4687.8	4011.4	3264.0	2538.3
50°	6813.3	6119.8	5536.7	4953.8	5127.7	5301.8	5492.5	5683.4	4732.1	3669.4	2737.0
52.5°	7917.5	7016.8	6326.8	5636.8	5942.8	6248.7	6423.8	6599.0	5360.7	3997.5	2889.3
55°	9396.5	8242.7	7477.4	6711.9	7125.8	7539.7	7466.5	7393.2	5782.9	4131.6	2929.1
57.5°	11184.5	9813.1	9098.6	8384.1	8826.4	9268.8	8617.2	7965.9	5844.4	3884.5	2742.6
60°	12795.1	11307.1	10696.7	10086.3	10282.7	10479.0	9173.4	7867.8	5480.9	3341.6	2336.7
62.5°	13156.7	11811.4	10996.2	10181.1	10125.7	10070.3	8649.2	7228.3	4879.5	2806.7	1941.8
65°	12476.9	11157.4	10214.9	9272.4	9190.3	9108.2	7770.8	6433.3	4211.8	2303.9	1579.8
67.5°	11310.6	10122.9	9261.5	8400.1	8350.4	8300.9	6910.0	5519.1	3509.4	1837.3	1242.9
70°	9983.5	9104.1	8352.2	7599.9	7491.3	7382.8	6057.7	4732.9	2875.8	1413.0	965.6
72.5°	8508.8	7893.9	7342.9	6791.8	6625.9	6459.9	5127.3	3794.7	2219.0	1034.8	728.4
75°	6749.2	6424.6	6086.7	5748.8	5519.1	5289.5	4040.6	2791.9	1596.9	729.6	538.6
77.5°	5147.8	4918.9	4680.5	4442.2	4198.9	3955.7	2945.8	1935.9	1099.9	509.0	396.8
80°	3670.5	3552.3	3303.3	3054.2	2780.4	2506.8	1787.0	1067.5	633.1	328.5	274.0
82.5°	2455.3	2381.3	2129.0	1876.6	1604.4	1332.0	930.1	528.3	337.6	206.7	184.4
85°	1422.8	1415.3	1216.5	1017.6	814.5	611.1	409.6	207.8	152.6	116.0	109.9
87.5°	659.0	662.7	555.9	449.1	344.4	239.8	157.3	74.8	58.1	48.3	46.2
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°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1527.2	1517.5	1507.9	1501.0	1494.1	1486.1	1473.4	1467.0	1460.6	1454.5	1448.3
5°	1574.7	1552.3	1530.1	1511.3	1492.6	1475.9	1460.3	1442.9	1425.5	1410.3	1395.2
7.5°	1620.5	1584.5	1548.6	1520.9	1493.3	1467.2	1441.4	1420.9	1400.3	1383.6	1366.9
10°	1675.4	1625.1	1575.1	1544.3	1513.7	1489.7	1449.0	1427.3	1405.7	1389.4	1373.1
12.5°	1730.7	1667.3	1604.2	1559.6	1515.1	1481.7	1464.7	1454.7	1444.6	1432.9	1421.1
15°	1773.4	1693.2	1612.9	1561.8	1510.8	1475.9	1466.1	1469.5	1473.0	1476.8	1480.7
17.5°	1809.7	1705.4	1600.9	1540.8	1481.0	1446.8	1462.7	1474.3	1485.6	1503.1	1520.5
20°	1846.1	1714.7	1583.0	1510.6	1438.1	1404.7	1411.8	1438.8	1465.7	1498.6	1531.5
22.5°	1857.4	1701.6	1545.6	1463.7	1381.9	1348.7	1377.3	1410.5	1443.5	1477.9	1512.2
25°	1851.3	1673.7	1496.2	1412.7	1329.1	1301.5	1330.5	1363.1	1395.5	1428.7	1461.8
27.5°	1886.7	1680.7	1474.4	1381.9	1289.1	1259.3	1287.4	1314.7	1342.2	1371.2	1400.3
30°	1911.2	1684.6	1458.0	1360.6	1263.3	1231.0	1240.2	1259.0	1277.8	1303.4	1328.7
32.5°	1910.9	1665.3	1419.6	1328.2	1236.8	1207.7	1216.8	1224.6	1232.4	1250.6	1268.8
35°	1902.7	1637.8	1372.7	1289.0	1205.1	1183.0	1180.3	1179.8	1179.4	1187.5	1195.8
37.5°	1882.1	1596.9	1311.7	1231.7	1151.8	1135.8	1129.7	1124.6	1119.4	1124.8	1130.0
40°	1867.9	1557.4	1247.0	1169.8	1092.6	1087.1	1082.8	1075.5	1068.2	1068.8	1069.4
42.5°	1857.4	1524.6	1191.8	1117.8	1043.8	1033.3	1021.7	1018.2	1014.7	1012.8	1010.8
45°	1841.1	1498.3	1155.4	1081.0	1006.5	975.9	975.5	967.6	959.9	962.7	965.3
47.5°	1812.6	1470.9	1129.3	1061.8	994.4	946.1	928.1	924.0	920.0	924.3	928.7
50°	1804.8	1460.9	1117.3	1055.4	993.8	922.9	888.9	886.4	883.9	896.4	908.6
52.5°	1781.1	1435.8	1090.3	1042.6	994.8	924.3	878.3	871.9	865.5	883.6	901.8
55°	1726.6	1383.9	1041.3	1023.7	1006.0	964.3	883.6	862.9	842.2	864.5	886.5
57.5°	1600.9	1306.4	1011.8	1000.8	989.7	990.5	899.3	859.8	820.4	842.2	864.0
60°	1331.6	1161.2	990.9	957.6	924.3	956.3	902.5	856.6	810.7	823.3	836.0
62.5°	1076.9	996.1	915.3	888.7	862.1	899.6	880.4	841.5	802.5	801.1	799.6
65°	855.7	839.7	823.8	817.9	812.1	821.9	832.8	807.3	781.9	770.6	759.4
67.5°	648.5	662.9	677.3	705.5	733.7	737.6	763.0	749.1	735.1	726.4	717.7
70°	518.1	537.7	557.4	599.1	640.9	661.3	684.1	686.0	687.7	681.3	674.6
72.5°	422.2	439.2	456.4	503.6	550.8	595.1	619.7	619.7	619.9	616.8	613.6
75°	347.6	360.3	372.8	416.5	460.4	516.7	542.2	544.7	547.2	545.2	543.3
77.5°	284.6	290.7	296.8	336.6	376.4	442.5	469.1	475.1	481.1	478.7	476.4
80°	219.5	223.7	227.9	261.0	294.3	353.2	384.1	392.8	401.4	400.8	400.0
82.5°	162.0	164.4	166.8	192.0	217.3	259.4	292.7	306.2	319.7	329.6	339.4
85°	103.9	105.2	106.4	122.2	138.1	164.2	197.9	222.9	247.8	266.0	284.1
87.5°	43.9	42.4	41.0	49.1	57.0	71.2	112.2	137.6	163.1	172.4	181.7
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: P1209479

CATALOG NUMBER: UPW-SA2-130-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1442.5	1436.6	1432.3	1427.9	1419.3	1410.9	1406.1	1401.3	1399.7	1398.1	1401.6
5°	1385.8	1376.3	1366.2	1356.0	1348.1	1340.3	1334.2	1328.1	1325.5	1322.8	1323.7
7.5°	1353.2	1339.7	1330.0	1320.4	1318.5	1316.7	1312.7	1308.7	1308.3	1308.0	1309.2
10°	1360.6	1348.4	1341.6	1334.9	1332.7	1330.5	1330.4	1330.1	1334.2	1338.3	1341.6
12.5°	1408.6	1396.4	1396.8	1397.4	1386.8	1376.3	1373.6	1370.8	1376.0	1381.0	1382.9
15°	1477.3	1474.0	1461.9	1449.7	1437.2	1424.6	1420.5	1416.3	1415.9	1415.6	1413.8
17.5°	1527.8	1535.0	1520.8	1506.4	1486.2	1466.1	1456.6	1447.3	1443.0	1438.8	1436.8
20°	1543.6	1555.8	1542.0	1528.2	1505.7	1483.2	1468.2	1453.4	1451.2	1449.0	1448.9
22.5°	1523.0	1533.6	1525.9	1518.0	1493.8	1469.3	1453.2	1437.1	1430.2	1423.6	1426.5
25°	1476.8	1491.9	1490.0	1488.2	1462.9	1437.7	1419.9	1402.2	1398.9	1395.5	1394.6
27.5°	1417.2	1434.2	1436.5	1438.8	1419.9	1401.0	1384.5	1367.9	1365.0	1362.1	1365.9
30°	1346.1	1363.5	1369.6	1375.6	1363.5	1351.6	1340.3	1329.1	1329.7	1330.1	1335.8
32.5°	1285.3	1301.9	1311.1	1320.4	1318.3	1316.5	1312.1	1307.7	1301.9	1296.1	1298.0
35°	1210.8	1225.9	1243.8	1261.5	1263.8	1266.2	1267.9	1269.5	1269.5	1269.5	1274.3
37.5°	1143.1	1156.1	1174.6	1193.2	1206.4	1219.7	1225.8	1231.7	1236.5	1241.2	1243.2
40°	1081.2	1092.9	1110.4	1127.8	1152.4	1176.9	1190.4	1204.1	1204.7	1205.1	1202.2
42.5°	1020.8	1030.7	1057.2	1083.5	1110.9	1138.3	1150.3	1162.4	1167.6	1172.9	1174.2
45°	978.0	990.5	1013.3	1036.2	1067.6	1099.0	1114.0	1129.0	1131.6	1134.3	1133.6
47.5°	941.5	954.1	982.2	1010.1	1040.7	1071.4	1087.3	1103.1	1105.4	1107.7	1109.6
50°	923.2	937.7	962.0	986.1	1018.8	1051.5	1073.3	1095.1	1094.4	1093.7	1087.8
52.5°	912.9	924.0	946.7	969.4	1005.1	1040.9	1062.1	1083.0	1084.9	1086.8	1083.5
55°	899.9	913.4	938.6	963.6	995.4	1027.2	1047.6	1067.9	1070.0	1072.3	1065.9
57.5°	887.3	910.5	936.0	961.4	994.0	1026.4	1043.8	1061.2	1057.3	1053.4	1048.5
60°	869.3	902.5	926.5	950.5	980.7	1010.8	1022.9	1034.8	1030.1	1025.3	1014.6
62.5°	835.4	870.9	898.3	925.8	953.3	980.7	989.2	997.7	993.2	988.6	976.5
65°	790.8	822.3	851.5	880.7	903.4	926.1	936.5	946.9	939.5	931.9	919.8
67.5°	748.3	779.0	801.5	824.1	846.6	869.1	877.7	886.3	878.0	869.8	853.8
70°	697.3	719.7	748.6	777.5	790.0	802.5	807.3	812.1	804.3	796.4	786.3
72.5°	635.8	658.1	677.1	696.2	707.9	719.7	725.2	730.7	722.0	713.3	699.6
75°	562.3	581.3	598.8	616.2	629.0	641.7	645.0	648.2	637.3	626.4	612.2
77.5°	488.0	499.7	507.1	514.5	529.0	543.6	546.3	549.1	540.8	532.7	519.4
80°	405.5	411.0	412.9	414.9	425.7	436.3	439.2	442.1	438.2	434.3	423.2
82.5°	343.0	346.6	330.6	314.7	323.2	331.7	338.3	344.7	343.0	341.2	332.1
85°	273.4	262.8	221.5	180.2	196.5	212.9	223.8	234.7	236.6	238.4	232.0
87.5°	167.3	152.9	122.7	92.3	105.5	118.9	129.6	140.7	133.6	126.4	111.9
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: P1209479

CATALOG NUMBER: UPW-SA2-130-727-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1405.1	1409.8	1405.1	1401.6	1398.1	1399.7	1401.3	1406.1	1410.9	1419.3	1427.9
5°	1324.3	1324.0	1324.3	1323.7	1322.8	1325.5	1328.1	1334.2	1340.3	1348.1	1356.0
7.5°	1310.2	1305.1	1310.2	1309.2	1308.0	1308.3	1308.7	1312.7	1316.7	1318.5	1320.4
10°	1345.1	1342.9	1345.1	1341.6	1338.3	1334.2	1330.1	1330.4	1330.5	1332.7	1334.9
12.5°	1384.8	1380.7	1384.8	1382.9	1381.0	1376.0	1370.8	1373.6	1376.3	1386.8	1397.4
15°	1411.9	1409.8	1411.9	1413.8	1415.6	1415.9	1416.3	1420.5	1424.6	1437.2	1449.7
17.5°	1434.8	1437.4	1434.8	1436.8	1438.8	1443.0	1447.3	1456.6	1466.1	1486.2	1506.4
20°	1448.7	1447.5	1448.7	1448.9	1449.0	1451.2	1453.4	1468.2	1483.2	1505.7	1528.2
22.5°	1429.4	1438.8	1429.4	1426.5	1423.6	1430.2	1437.1	1453.2	1469.3	1493.8	1518.0
25°	1393.8	1389.4	1393.8	1394.6	1395.5	1398.9	1402.2	1419.9	1437.7	1462.9	1488.2
27.5°	1369.4	1372.0	1369.4	1365.9	1362.1	1365.0	1367.9	1384.5	1401.0	1419.9	1438.8
30°	1341.4	1351.6	1341.4	1335.8	1330.1	1329.7	1329.1	1340.3	1351.6	1363.5	1375.6
32.5°	1300.0	1308.0	1300.0	1298.0	1296.1	1301.9	1307.7	1312.1	1316.5	1318.3	1320.4
35°	1279.0	1289.1	1279.0	1274.3	1269.5	1269.5	1269.5	1267.9	1266.2	1263.8	1261.5
37.5°	1245.2	1245.5	1245.2	1243.2	1241.2	1236.5	1231.7	1225.8	1219.7	1206.4	1193.2
40°	1199.3	1200.5	1199.3	1202.2	1205.1	1204.7	1204.1	1190.4	1176.9	1152.4	1127.8
42.5°	1175.5	1178.7	1175.5	1174.2	1172.9	1167.6	1162.4	1150.3	1138.3	1110.9	1083.5
45°	1132.9	1129.3	1132.9	1133.6	1134.3	1131.6	1129.0	1114.0	1099.0	1067.6	1036.2
47.5°	1111.5	1114.7	1111.5	1109.6	1107.7	1105.4	1103.1	1087.3	1071.4	1040.7	1010.1
50°	1082.0	1079.8	1082.0	1087.8	1093.7	1094.4	1095.1	1073.3	1051.5	1018.8	986.1
52.5°	1080.1	1081.3	1080.1	1083.5	1086.8	1084.9	1083.0	1062.1	1040.9	1005.1	969.4
55°	1059.5	1055.1	1059.5	1065.9	1072.3	1070.0	1067.9	1047.6	1027.2	995.4	963.6
57.5°	1043.5	1045.0	1043.5	1048.5	1053.4	1057.3	1061.2	1043.8	1026.4	994.0	961.4
60°	1004.0	995.5	1004.0	1014.6	1025.3	1030.1	1034.8	1022.9	1010.8	980.7	950.5
62.5°	964.3	949.0	964.3	976.5	988.6	993.2	997.7	989.2	980.7	953.3	925.8
65°	907.6	899.6	907.6	919.8	931.9	939.5	946.9	936.5	926.1	903.4	880.7
67.5°	837.9	825.5	837.9	853.8	869.8	878.0	886.3	877.7	869.1	846.6	824.1
70°	776.1	767.4	776.1	786.3	796.4	804.3	812.1	807.3	802.5	790.0	777.5
72.5°	686.0	677.3	686.0	699.6	713.3	722.0	730.7	725.2	719.7	707.9	696.2
75°	598.1	585.7	598.1	612.2	626.4	637.3	648.2	645.0	641.7	629.0	616.2
77.5°	506.1	494.1	506.1	519.4	532.7	540.8	549.1	546.3	543.6	529.0	514.5
80°	412.5	396.8	412.5	423.2	434.3	438.2	442.1	439.2	436.3	425.7	414.9
82.5°	322.9	309.6	322.9	332.1	341.2	343.0	344.7	338.3	331.7	323.2	314.7
85°	225.6	215.1	225.6	232.0	238.4	236.6	234.7	223.8	212.9	196.5	180.2
87.5°	97.4	81.4	97.4	111.9	126.4	133.6	140.7	129.6	118.9	105.5	92.3
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: P1209479

CATALOG NUMBER: UPW-SA2-130-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1432.3	1436.6	1442.5	1448.3	1454.5	1460.6	1467.0	1473.4	1486.1	1494.1	1501.0
5°	1366.2	1376.3	1385.8	1395.2	1410.3	1425.5	1442.9	1460.3	1475.9	1492.6	1511.3
7.5°	1330.0	1339.7	1353.2	1366.9	1383.6	1400.3	1420.9	1441.4	1467.2	1493.3	1520.9
10°	1341.6	1348.4	1360.6	1373.1	1389.4	1405.7	1427.3	1449.0	1489.7	1513.7	1544.3
12.5°	1396.8	1396.4	1408.6	1421.1	1432.9	1444.6	1454.7	1464.7	1481.7	1515.1	1559.6
15°	1461.9	1474.0	1477.3	1480.7	1476.8	1473.0	1469.5	1466.1	1475.9	1510.8	1561.8
17.5°	1520.8	1535.0	1527.8	1520.5	1503.1	1485.6	1474.3	1462.7	1446.8	1481.0	1540.8
20°	1542.0	1555.8	1543.6	1531.5	1498.6	1465.7	1438.8	1411.8	1404.7	1438.1	1510.6
22.5°	1525.9	1533.6	1523.0	1512.2	1477.9	1443.5	1410.5	1377.3	1348.7	1381.9	1463.7
25°	1490.0	1491.9	1476.8	1461.8	1428.7	1395.5	1363.1	1330.5	1301.5	1329.1	1412.7
27.5°	1436.5	1434.2	1417.2	1400.3	1371.2	1342.2	1314.7	1287.4	1259.3	1289.1	1381.9
30°	1369.6	1363.5	1346.1	1328.7	1303.4	1277.8	1259.0	1240.2	1231.0	1263.3	1360.6
32.5°	1311.1	1301.9	1285.3	1268.8	1250.6	1232.4	1224.6	1216.8	1207.7	1236.8	1328.2
35°	1243.8	1225.9	1210.8	1195.8	1187.5	1179.4	1179.8	1180.3	1183.0	1205.1	1289.0
37.5°	1174.6	1156.1	1143.1	1130.0	1124.8	1119.4	1124.6	1129.7	1135.8	1151.8	1231.7
40°	1110.4	1092.9	1081.2	1069.4	1068.8	1068.2	1075.5	1082.8	1087.1	1092.6	1169.8
42.5°	1057.2	1030.7	1020.8	1010.8	1012.8	1014.7	1018.2	1021.7	1033.3	1043.8	1117.8
45°	1013.3	990.5	978.0	965.3	962.7	959.9	967.6	975.5	975.9	1006.5	1081.0
47.5°	982.2	954.1	941.5	928.7	924.3	920.0	924.0	928.1	946.1	994.4	1061.8
50°	962.0	937.7	923.2	908.6	896.4	883.9	886.4	888.9	922.9	993.8	1055.4
52.5°	946.7	924.0	912.9	901.8	883.6	865.5	871.9	878.3	924.3	994.8	1042.6
55°	938.6	913.4	899.9	886.5	864.5	842.2	862.9	883.6	964.3	1006.0	1023.7
57.5°	936.0	910.5	887.3	864.0	842.2	820.4	859.8	899.3	990.5	989.7	1000.8
60°	926.5	902.5	869.3	836.0	823.3	810.7	856.6	902.5	956.3	924.3	957.6
62.5°	898.3	870.9	835.4	799.6	801.1	802.5	841.5	880.4	899.6	862.1	888.7
65°	851.5	822.3	790.8	759.4	770.6	781.9	807.3	832.8	821.9	812.1	817.9
67.5°	801.5	779.0	748.3	717.7	726.4	735.1	749.1	763.0	737.6	733.7	705.5
70°	748.6	719.7	697.3	674.6	681.3	687.7	686.0	684.1	661.3	640.9	599.1
72.5°	677.1	658.1	635.8	613.6	616.8	619.9	619.7	619.7	595.1	550.8	503.6
75°	598.8	581.3	562.3	543.3	545.2	547.2	544.7	542.2	516.7	460.4	416.5
77.5°	507.1	499.7	488.0	476.4	478.7	481.1	475.1	469.1	442.5	376.4	336.6
80°	412.9	411.0	405.5	400.0	400.8	401.4	392.8	384.1	353.2	294.3	261.0
82.5°	330.6	346.6	343.0	339.4	329.6	319.7	306.2	292.7	259.4	217.3	192.0
85°	221.5	262.8	273.4	284.1	266.0	247.8	222.9	197.9	164.2	138.1	122.2
87.5°	122.7	152.9	167.3	181.7	172.4	163.1	137.6	112.2	71.2	57.0	49.1
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: P1209479

CATALOG NUMBER: UPW-SA2-130-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0	1481.0
2.5°	1507.9	1517.5	1527.2	1532.6	1537.9	1539.4	1543.5
5°	1530.1	1552.3	1574.7	1598.5	1622.2	1639.0	1651.0
7.5°	1548.6	1584.5	1620.5	1658.4	1696.4	1742.4	1797.1
10°	1575.1	1625.1	1675.4	1739.8	1804.3	1858.0	1903.2
12.5°	1604.2	1667.3	1730.7	1808.6	1886.5	1962.2	2031.8
15°	1612.9	1693.2	1773.4	1876.1	1978.7	2074.2	2159.0
17.5°	1600.9	1705.4	1809.7	1931.4	2052.9	2175.2	2299.2
20°	1583.0	1714.7	1846.1	1993.7	2141.1	2273.6	2398.8
22.5°	1545.6	1701.6	1857.4	2028.2	2198.9	2341.5	2472.2
25°	1496.2	1673.7	1851.3	2050.0	2248.6	2415.3	2571.7
27.5°	1474.4	1680.7	1886.7	2110.4	2334.1	2494.8	2635.7
30°	1458.0	1684.6	1911.2	2161.9	2412.6	2583.8	2728.7
32.5°	1419.6	1665.3	1910.9	2195.3	2479.7	2666.2	2822.4
35°	1372.7	1637.8	1902.7	2226.0	2549.2	2746.0	2899.4
37.5°	1311.7	1596.9	1882.1	2249.8	2617.5	2851.2	3034.6
40°	1247.0	1557.4	1867.9	2303.9	2739.9	3021.1	3222.8
42.5°	1191.8	1524.6	1857.4	2355.3	2853.2	3207.1	3485.2
45°	1155.4	1498.3	1841.1	2425.8	3010.6	3507.8	3935.0
47.5°	1129.3	1470.9	1812.6	2538.3	3264.0	4011.4	4687.8
50°	1117.3	1460.9	1804.8	2737.0	3669.4	4732.1	5683.4
52.5°	1090.3	1435.8	1781.1	2889.3	3997.5	5360.7	6599.0
55°	1041.3	1383.9	1726.6	2929.1	4131.6	5782.9	7393.2
57.5°	1011.8	1306.4	1600.9	2742.6	3884.5	5844.4	7965.9
60°	990.9	1161.2	1331.6	2336.7	3341.6	5480.9	7867.8
62.5°	915.3	996.1	1076.9	1941.8	2806.7	4879.5	7228.3
65°	823.8	839.7	855.7	1579.8	2303.9	4211.8	6433.3
67.5°	677.3	662.9	648.5	1242.9	1837.3	3509.4	5519.1
70°	557.4	537.7	518.1	965.6	1413.0	2875.8	4732.9
72.5°	456.4	439.2	422.2	728.4	1034.8	2219.0	3794.7
75°	372.8	360.3	347.6	538.6	729.6	1596.9	2791.9
77.5°	296.8	290.7	284.6	396.8	509.0	1099.9	1935.9
80°	227.9	223.7	219.5	274.0	328.5	633.1	1067.5
82.5°	166.8	164.4	162.0	184.4	206.7	337.6	528.3
85°	106.4	105.2	103.9	109.9	116.0	152.6	207.8
87.5°	41.0	42.4	43.9	46.2	48.3	58.1	74.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)