

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: P1209506

Luminaire Tested: UPW-SA2-130-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209506
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-SA2-130-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 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: 14163 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

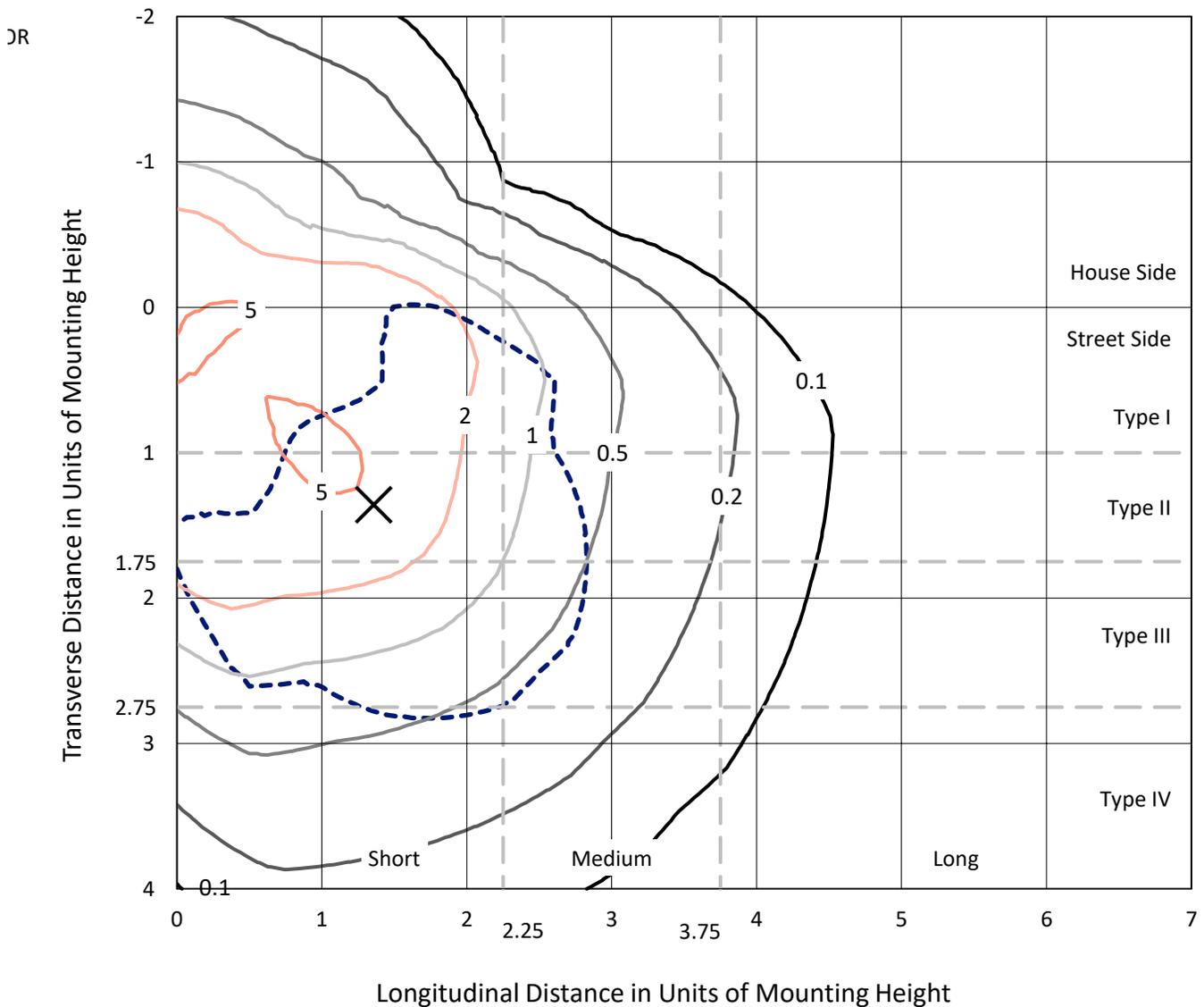
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

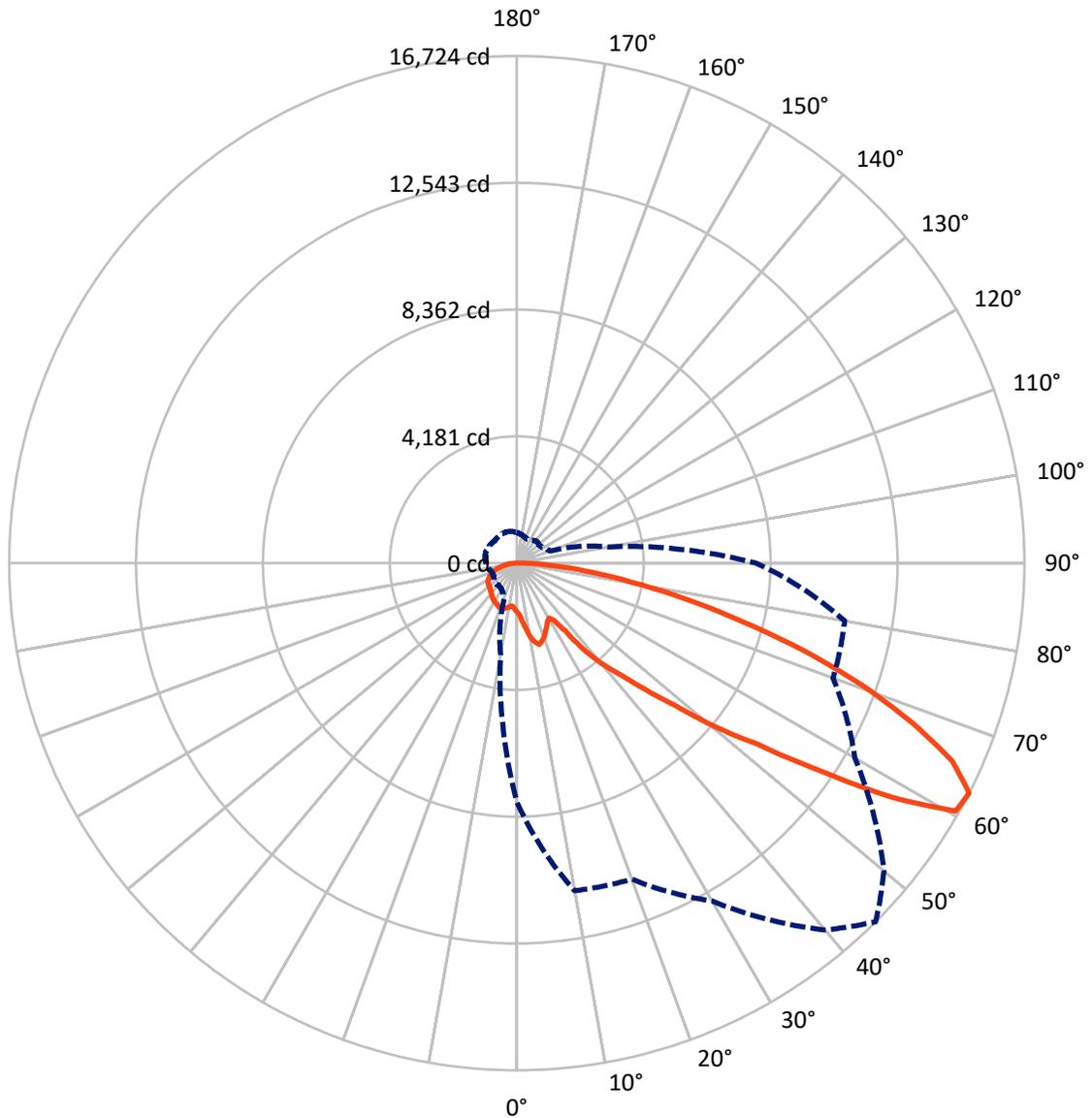
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	3470.9	0.0	3470.9
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	10692.1	0.0	10692.1
	% Fixture	75.5	0.0	75.5
Total	Lumens	14163.0	0.0	14163.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	1.1
10°-20°	543.3	3.8
20°-30°	883.7	6.2
30°-40°	1205.3	8.5
40°-50°	1825.1	12.9
50°-60°	3138.4	22.2
60°-70°	3680.6	26.0
70°-80°	2195.1	15.5
80°-90°	530.2	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°	14163.0	100.0
0°-180°	14163.0	100.0



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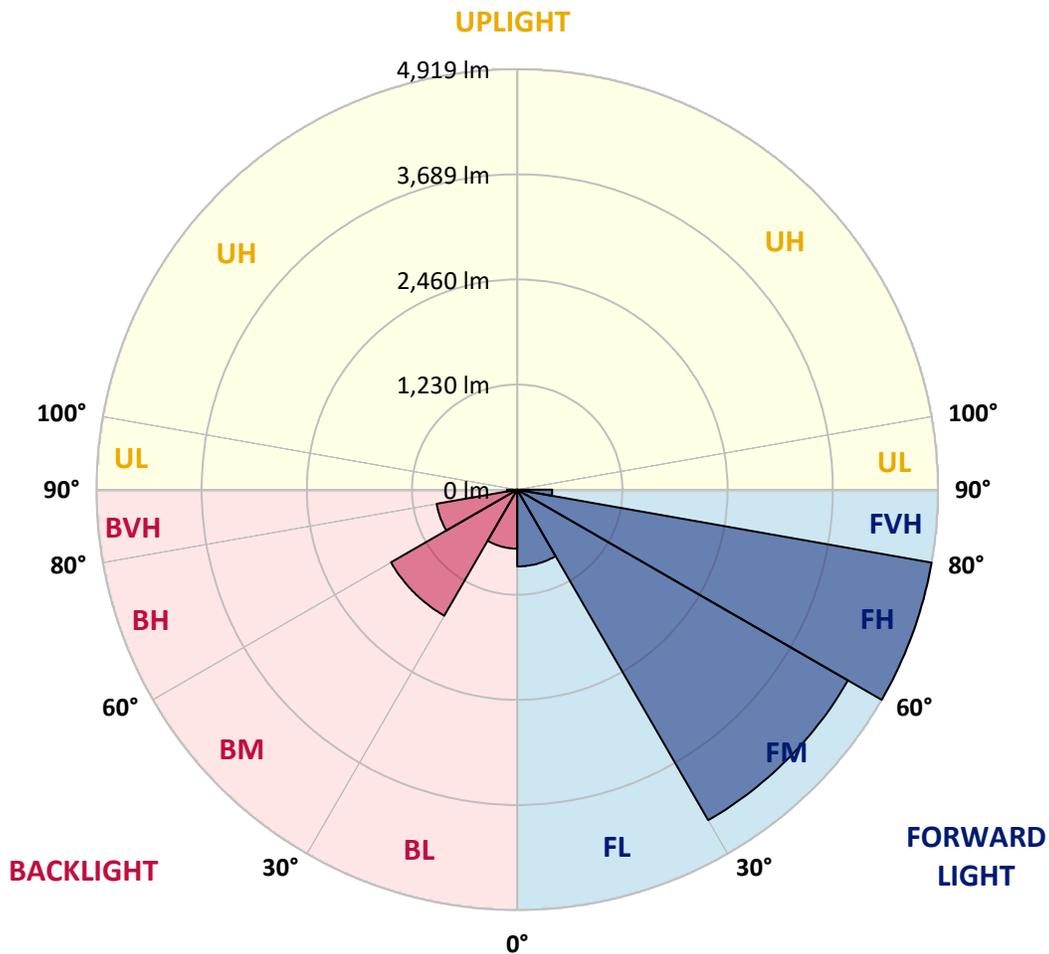
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	897.7	6.3			
FM	(30°-60°)	4465.4	31.5			
FH	(60°-80°)	4919.3	34.7			G2/5000
FVH	(80°-90°)	409.7	2.9			G3/500
BL	(0°-30°)	690.4	4.9	B2/1000		
BM	(30°-60°)	1703.5	12.0	B2/2500		
BH	(60°-80°)	956.4	6.8	B2/1000		G2/1000
BVH	(80°-90°)	120.5	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°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1680.9	1688.0	1695.1	1698.2	1701.2	1704.0	1707.0	1709.2	1711.6	1706.2	1711.6
5°	1798.0	1820.2	1842.3	1861.5	1880.6	1895.2	1909.6	1916.7	1924.0	1935.7	1924.0
7.5°	1957.1	1987.3	2017.7	2059.3	2101.1	2129.5	2157.6	2170.0	2182.3	2185.8	2182.3
10°	2072.6	2150.2	2227.7	2273.8	2320.0	2353.7	2387.6	2416.6	2445.7	2478.6	2445.7
12.5°	2212.7	2301.0	2389.2	2455.7	2522.1	2564.9	2607.6	2636.3	2665.1	2674.9	2665.1
15°	2351.2	2447.6	2543.8	2606.2	2668.5	2701.8	2735.0	2749.3	2763.5	2780.9	2763.5
17.5°	2503.9	2576.1	2648.3	2689.4	2730.6	2732.0	2733.4	2715.6	2697.7	2693.9	2697.7
20°	2612.4	2672.0	2731.9	2732.6	2733.4	2697.8	2662.2	2631.2	2600.3	2586.2	2600.3
22.5°	2692.3	2733.3	2774.3	2732.0	2689.9	2610.8	2531.6	2486.7	2441.7	2429.5	2441.7
25°	2800.7	2807.0	2813.4	2727.4	2641.6	2531.2	2420.8	2363.2	2305.5	2291.8	2305.5
27.5°	2870.4	2850.4	2830.3	2700.0	2569.6	2440.0	2310.5	2244.8	2179.2	2160.5	2179.2
30°	2971.6	2899.3	2826.8	2658.9	2491.0	2360.5	2230.1	2175.2	2120.3	2103.5	2120.3
32.5°	3073.7	2953.1	2832.4	2652.4	2472.3	2381.4	2290.6	2275.7	2260.7	2249.1	2260.7
35°	3157.6	3022.1	2886.7	2751.0	2615.5	2629.3	2643.2	2692.0	2740.9	2739.8	2740.9
37.5°	3304.8	3166.2	3027.5	3005.0	2982.7	3157.6	3332.5	3472.9	3613.1	3686.3	3613.1
40°	3509.8	3412.4	3315.1	3396.3	3477.3	3720.5	3963.6	4129.8	4296.0	4417.5	4296.0
42.5°	3795.5	3740.1	3684.7	3786.1	3887.6	4154.5	4421.0	4647.6	4874.0	5044.3	4874.0
45°	4285.3	4228.2	4170.9	4219.3	4267.5	4601.4	4935.4	5290.2	5645.1	5944.9	5645.1
47.5°	5105.2	4972.3	4839.3	4798.8	4758.1	5208.1	5658.1	6176.6	6695.4	7003.8	6695.4
50°	6189.4	5981.6	5773.9	5584.3	5394.9	6029.7	6664.7	7420.0	8175.3	8493.1	8175.3
52.5°	7186.6	6995.8	6805.1	6471.9	6138.8	6890.1	7641.6	8622.4	9603.3	9908.1	9603.3
55°	8051.5	8131.3	8211.1	7760.3	7309.5	8143.2	8976.7	10233.2	11489.6	12027.5	11489.6
57.5°	8675.2	9384.6	10094.1	9612.3	9130.7	9908.8	10686.9	12180.4	13674.0	14574.1	13674.0
60°	8568.3	9990.3	11412.1	11198.2	10984.4	11649.2	12313.9	13934.4	15555.0	16606.4	15555.0
62.5°	7871.9	9419.4	10967.0	11027.3	11087.6	11975.4	12863.2	14328.2	15793.2	16723.5	15793.2
65°	7006.1	8462.7	9919.2	10008.6	10098.1	11124.5	12150.9	13587.9	15024.9	15775.5	15024.9
67.5°	6010.6	7525.3	9040.0	9094.0	9148.1	10086.2	11024.3	12317.7	13611.2	14042.3	13611.2
70°	5154.3	6597.1	8040.1	8158.4	8276.6	9095.9	9914.8	10872.5	11830.2	12076.5	11830.2
72.5°	4132.6	5583.8	7035.1	7215.8	7396.6	7996.8	8596.8	9266.5	9936.0	9912.9	9936.0
75°	3040.5	4400.4	5760.5	6010.6	6260.6	6628.6	6996.6	7350.2	7704.0	7603.6	7704.0
77.5°	2108.2	3208.1	4308.0	4572.8	4837.7	5097.3	5356.9	5606.2	5855.5	5698.0	5855.5
80°	1162.5	1946.2	2730.0	3028.0	3326.2	3597.5	3868.6	3997.3	4125.8	3860.4	4125.8
82.5°	575.3	1013.0	1450.6	1747.2	2043.7	2318.6	2593.4	2673.9	2754.3	2500.8	2754.3
85°	226.3	446.0	665.6	887.0	1108.3	1324.8	1541.3	1549.5	1557.9	1375.4	1557.9
87.5°	81.5	171.3	261.2	375.1	489.1	605.4	721.7	717.6	713.4	588.8	713.4
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°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1709.2	1707.0	1704.0	1701.2	1698.2	1695.1	1688.0	1680.9	1676.5	1674.9	1669.0
5°	1916.7	1909.6	1895.2	1880.6	1861.5	1842.3	1820.2	1798.0	1784.9	1766.7	1740.9
7.5°	2170.0	2157.6	2129.5	2101.1	2059.3	2017.7	1987.3	1957.1	1897.6	1847.4	1806.1
10°	2416.6	2387.6	2353.7	2320.0	2273.8	2227.7	2150.2	2072.6	2023.4	1965.0	1894.7
12.5°	2636.3	2607.6	2564.9	2522.1	2455.7	2389.2	2301.0	2212.7	2136.9	2054.4	1969.6
15°	2749.3	2735.0	2701.8	2668.5	2606.2	2543.8	2447.6	2351.2	2258.9	2154.9	2043.2
17.5°	2715.6	2733.4	2732.0	2730.6	2689.4	2648.3	2576.1	2503.9	2368.9	2235.7	2103.3
20°	2631.2	2662.2	2697.8	2733.4	2732.6	2731.9	2672.0	2612.4	2476.1	2331.7	2171.2
22.5°	2486.7	2531.6	2610.8	2689.9	2732.0	2774.3	2733.3	2692.3	2550.0	2394.7	2208.8
25°	2363.2	2420.8	2531.2	2641.6	2727.4	2813.4	2807.0	2800.7	2630.4	2448.9	2232.5
27.5°	2244.8	2310.5	2440.0	2569.6	2700.0	2830.3	2850.4	2870.4	2717.0	2541.9	2298.3
30°	2175.2	2230.1	2360.5	2491.0	2658.9	2826.8	2899.3	2971.6	2813.8	2627.4	2354.4
32.5°	2275.7	2290.6	2381.4	2472.3	2652.4	2832.4	2953.1	3073.7	2903.6	2700.5	2390.8
35°	2692.0	2643.2	2629.3	2615.5	2751.0	2886.7	3022.1	3157.6	2990.5	2776.2	2424.2
37.5°	3472.9	3332.5	3157.6	2982.7	3005.0	3027.5	3166.2	3304.8	3105.1	2850.6	2450.1
40°	4129.8	3963.6	3720.5	3477.3	3396.3	3315.1	3412.4	3509.8	3290.1	2983.8	2509.0
42.5°	4647.6	4421.0	4154.5	3887.6	3786.1	3684.7	3740.1	3795.5	3492.7	3107.3	2565.0
45°	5290.2	4935.4	4601.4	4267.5	4219.3	4170.9	4228.2	4285.3	3820.2	3278.7	2641.8
47.5°	6176.6	5658.1	5208.1	4758.1	4798.8	4839.3	4972.3	5105.2	4368.6	3554.6	2764.3
50°	7420.0	6664.7	6029.7	5394.9	5584.3	5773.9	5981.6	6189.4	5153.5	3996.2	2980.7
52.5°	8622.4	7641.6	6890.1	6138.8	6471.9	6805.1	6995.8	7186.6	5838.0	4353.4	3146.5
55°	10233.2	8976.7	8143.2	7309.5	7760.3	8211.1	8131.3	8051.5	6297.8	4499.5	3189.9
57.5°	12180.4	10686.9	9908.8	9130.7	9612.3	10094.1	9384.6	8675.2	6364.8	4230.4	2986.8
60°	13934.4	12313.9	11649.2	10984.4	11198.2	11412.1	9990.3	8568.3	5968.9	3639.1	2544.8
62.5°	14328.2	12863.2	11975.4	11087.6	11027.3	10967.0	9419.4	7871.9	5314.0	3056.6	2114.7
65°	13587.9	12150.9	11124.5	10098.1	10008.6	9919.2	8462.7	7006.1	4586.9	2509.0	1720.5
67.5°	12317.7	11024.3	10086.2	9148.1	9094.0	9040.0	7525.3	6010.6	3821.9	2000.9	1353.6
70°	10872.5	9914.8	9095.9	8276.6	8158.4	8040.1	6597.1	5154.3	3131.8	1538.8	1051.6
72.5°	9266.5	8596.8	7996.8	7396.6	7215.8	7035.1	5583.8	4132.6	2416.6	1126.9	793.3
75°	7350.2	6996.6	6628.6	6260.6	6010.6	5760.5	4400.4	3040.5	1739.1	794.5	586.6
77.5°	5606.2	5356.9	5097.3	4837.7	4572.8	4308.0	3208.1	2108.2	1197.8	554.3	432.1
80°	3997.3	3868.6	3597.5	3326.2	3028.0	2730.0	1946.2	1162.5	689.5	357.7	298.4
82.5°	2673.9	2593.4	2318.6	2043.7	1747.2	1450.6	1013.0	575.3	367.7	225.1	200.9
85°	1549.5	1541.3	1324.8	1108.3	887.0	665.6	446.0	226.3	166.2	126.3	119.7
87.5°	717.6	721.7	605.4	489.1	375.1	261.2	171.3	81.5	63.3	52.5	50.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1663.2	1652.6	1642.1	1634.7	1627.1	1618.4	1604.6	1597.6	1590.7	1584.0	1577.2
5°	1714.9	1690.6	1666.3	1645.9	1625.5	1607.3	1590.4	1571.4	1552.4	1535.9	1519.5
7.5°	1764.8	1725.5	1686.4	1656.4	1626.3	1597.8	1569.8	1547.5	1525.0	1506.8	1488.6
10°	1824.6	1769.9	1715.4	1681.8	1648.5	1622.3	1578.0	1554.4	1530.9	1513.1	1495.4
12.5°	1884.8	1815.8	1747.1	1698.5	1650.0	1613.6	1595.1	1584.2	1573.3	1560.5	1547.6
15°	1931.3	1843.9	1756.6	1700.8	1645.3	1607.3	1596.7	1600.3	1604.1	1608.3	1612.5
17.5°	1970.9	1857.2	1743.4	1678.1	1612.8	1575.6	1592.9	1605.6	1617.9	1636.9	1655.9
20°	2010.4	1867.4	1724.0	1645.1	1566.1	1529.7	1537.5	1566.9	1596.2	1632.0	1667.9
22.5°	2022.8	1853.1	1683.3	1594.0	1504.9	1468.8	1500.0	1536.1	1572.0	1609.5	1646.9
25°	2016.1	1822.7	1629.5	1538.5	1447.4	1417.4	1449.0	1484.5	1519.8	1555.9	1591.9
27.5°	2054.7	1830.3	1605.7	1504.9	1403.9	1371.5	1402.0	1431.8	1461.7	1493.3	1525.0
30°	2081.3	1834.6	1587.8	1481.8	1375.7	1340.6	1350.6	1371.2	1391.6	1419.4	1447.0
32.5°	2081.0	1813.5	1546.0	1446.5	1346.9	1315.3	1325.1	1333.6	1342.2	1362.0	1381.8
35°	2072.2	1783.6	1494.9	1403.8	1312.4	1288.4	1285.4	1284.9	1284.4	1293.3	1302.3
37.5°	2049.7	1739.1	1428.4	1341.4	1254.3	1236.9	1230.3	1224.7	1219.0	1224.9	1230.6
40°	2034.2	1696.1	1358.0	1274.0	1189.9	1183.9	1179.2	1171.2	1163.3	1164.0	1164.6
42.5°	2022.8	1660.3	1297.9	1217.3	1136.7	1125.3	1112.7	1108.9	1105.1	1103.0	1100.8
45°	2005.1	1631.7	1258.3	1177.3	1096.1	1062.8	1062.4	1053.8	1045.4	1048.4	1051.3
47.5°	1974.0	1601.9	1229.8	1156.4	1082.9	1030.4	1010.8	1006.3	1001.9	1006.6	1011.4
50°	1965.5	1591.0	1216.8	1149.4	1082.3	1005.1	968.0	965.3	962.6	976.3	989.5
52.5°	1939.7	1563.6	1187.4	1135.5	1083.4	1006.6	956.5	949.5	942.5	962.3	982.1
55°	1880.3	1507.1	1134.1	1114.9	1095.6	1050.2	962.3	939.7	917.2	941.4	965.5
57.5°	1743.4	1422.8	1101.9	1089.9	1077.9	1078.7	979.4	936.4	893.5	917.2	941.0
60°	1450.1	1264.6	1079.1	1042.9	1006.6	1041.5	982.9	932.9	882.9	896.6	910.4
62.5°	1172.8	1084.8	996.8	967.9	938.9	979.7	958.8	916.4	874.0	872.4	870.8
65°	931.9	914.5	897.1	890.8	884.5	895.1	906.9	879.2	851.5	839.2	827.0
67.5°	706.2	721.9	737.6	768.3	799.0	803.3	831.0	815.8	800.6	791.1	781.6
70°	564.3	585.6	607.0	652.4	698.0	720.2	745.0	747.1	749.0	742.0	734.7
72.5°	459.8	478.3	497.0	548.4	599.9	648.1	674.9	674.9	675.1	671.7	668.2
75°	378.6	392.4	406.0	453.6	501.4	562.7	590.5	593.2	595.9	593.7	591.6
77.5°	309.9	316.6	323.2	366.6	409.9	482.0	510.9	517.4	523.9	521.4	518.8
80°	239.0	243.6	248.2	284.3	320.5	384.6	418.3	427.8	437.2	436.5	435.6
82.5°	176.5	179.0	181.7	209.1	236.6	282.5	318.8	333.5	348.2	359.0	369.6
85°	113.2	114.6	115.9	133.1	150.4	178.9	215.6	242.8	269.9	289.6	309.4
87.5°	47.8	46.2	44.6	53.5	62.0	77.6	122.2	149.9	177.6	187.7	197.8
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: P1209506

CATALOG NUMBER: UPW-SA2-130-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1570.9	1564.6	1559.8	1555.1	1545.7	1536.6	1531.3	1526.1	1524.4	1522.6	1526.4
5°	1509.2	1498.9	1487.8	1476.7	1468.2	1459.6	1453.0	1446.3	1443.5	1440.6	1441.6
7.5°	1473.7	1459.0	1448.4	1437.9	1435.9	1434.0	1429.6	1425.3	1424.8	1424.5	1425.8
10°	1481.8	1468.5	1461.1	1453.8	1451.4	1449.0	1448.9	1448.5	1453.0	1457.4	1461.1
12.5°	1534.0	1520.7	1521.2	1521.8	1510.3	1498.9	1495.9	1492.9	1498.6	1503.9	1506.0
15°	1608.9	1605.2	1592.1	1578.8	1565.2	1551.4	1547.0	1542.4	1541.9	1541.6	1539.7
17.5°	1663.8	1671.7	1656.2	1640.5	1618.5	1596.7	1586.3	1576.1	1571.5	1566.9	1564.7
20°	1681.1	1694.4	1679.3	1664.3	1639.7	1615.2	1598.9	1582.8	1580.4	1578.0	1577.9
22.5°	1658.6	1670.1	1661.7	1653.2	1626.8	1600.2	1582.6	1565.0	1557.6	1550.3	1553.5
25°	1608.3	1624.7	1622.7	1620.8	1593.2	1565.7	1546.4	1527.1	1523.4	1519.8	1518.8
27.5°	1543.4	1561.9	1564.4	1566.9	1546.4	1525.8	1507.7	1489.7	1486.5	1483.4	1487.5
30°	1466.0	1485.0	1491.6	1498.1	1485.0	1472.0	1459.6	1447.4	1448.1	1448.5	1454.7
32.5°	1399.8	1417.8	1427.8	1437.9	1435.7	1433.7	1428.9	1424.2	1417.8	1411.5	1413.6
35°	1318.6	1335.1	1354.5	1373.8	1376.4	1378.9	1380.8	1382.5	1382.5	1382.5	1387.8
37.5°	1244.8	1259.1	1279.2	1299.5	1313.9	1328.3	1334.9	1341.4	1346.6	1351.7	1353.9
40°	1177.4	1190.2	1209.2	1228.2	1255.0	1281.7	1296.4	1311.3	1312.0	1312.4	1309.3
42.5°	1111.7	1122.5	1151.3	1180.0	1209.9	1239.6	1252.8	1265.9	1271.6	1277.3	1278.7
45°	1065.0	1078.7	1103.5	1128.5	1162.7	1196.9	1213.2	1229.5	1232.3	1235.4	1234.6
47.5°	1025.3	1039.1	1069.6	1100.0	1133.4	1166.8	1184.1	1201.3	1203.9	1206.4	1208.4
50°	1005.4	1021.2	1047.6	1073.9	1109.5	1145.1	1168.9	1192.6	1191.8	1191.0	1184.7
52.5°	994.1	1006.3	1031.0	1055.7	1094.6	1133.6	1156.7	1179.5	1181.5	1183.6	1180.0
55°	980.1	994.8	1022.2	1049.4	1084.0	1118.7	1140.9	1163.0	1165.2	1167.8	1160.8
57.5°	966.3	991.6	1019.3	1047.0	1082.5	1117.8	1136.7	1155.7	1151.5	1147.2	1141.8
60°	946.7	982.9	1009.0	1035.1	1068.1	1100.8	1114.0	1126.9	1121.9	1116.6	1104.9
62.5°	909.8	948.4	978.3	1008.2	1038.1	1068.1	1077.2	1086.6	1081.7	1076.6	1063.5
65°	861.2	895.5	927.3	959.2	983.8	1008.5	1019.9	1031.2	1023.1	1014.9	1001.7
67.5°	815.0	848.4	872.9	897.4	922.0	946.5	955.8	965.2	956.2	947.3	929.9
70°	759.4	783.8	815.3	846.8	860.4	874.0	879.2	884.5	875.9	867.4	856.3
72.5°	692.5	716.7	737.4	758.1	771.0	783.8	789.8	795.8	786.3	776.8	761.9
75°	612.4	633.1	652.1	671.1	685.0	698.8	702.4	705.9	694.0	682.2	666.7
77.5°	531.5	544.2	552.2	560.3	576.1	592.0	595.0	598.0	588.9	580.1	565.7
80°	441.6	447.6	449.7	451.9	463.6	475.1	478.3	481.5	477.2	472.9	460.9
82.5°	373.5	377.5	360.1	342.7	352.0	361.2	368.5	375.4	373.5	371.6	361.7
85°	297.7	286.2	241.2	196.3	214.0	231.9	243.7	255.6	257.7	259.6	252.6
87.5°	182.2	166.5	133.6	100.5	114.9	129.5	141.2	153.2	145.5	137.7	121.9
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: P1209506

CATALOG NUMBER: UPW-SA2-130-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1530.2	1535.3	1530.2	1526.4	1522.6	1524.4	1526.1	1531.3	1536.6	1545.7	1555.1
5°	1442.2	1441.9	1442.2	1441.6	1440.6	1443.5	1446.3	1453.0	1459.6	1468.2	1476.7
7.5°	1426.9	1421.3	1426.9	1425.8	1424.5	1424.8	1425.3	1429.6	1434.0	1435.9	1437.9
10°	1464.9	1462.5	1464.9	1461.1	1457.4	1453.0	1448.5	1448.9	1449.0	1451.4	1453.8
12.5°	1508.1	1503.6	1508.1	1506.0	1503.9	1498.6	1492.9	1495.9	1498.9	1510.3	1521.8
15°	1537.7	1535.3	1537.7	1539.7	1541.6	1541.9	1542.4	1547.0	1551.4	1565.2	1578.8
17.5°	1562.5	1565.4	1562.5	1564.7	1566.9	1571.5	1576.1	1586.3	1596.7	1618.5	1640.5
20°	1577.7	1576.4	1577.7	1577.9	1578.0	1580.4	1582.8	1598.9	1615.2	1639.7	1664.3
22.5°	1556.7	1566.9	1556.7	1553.5	1550.3	1557.6	1565.0	1582.6	1600.2	1626.8	1653.2
25°	1517.9	1513.1	1517.9	1518.8	1519.8	1523.4	1527.1	1546.4	1565.7	1593.2	1620.8
27.5°	1491.3	1494.1	1491.3	1487.5	1483.4	1486.5	1489.7	1507.7	1525.8	1546.4	1566.9
30°	1460.9	1472.0	1460.9	1454.7	1448.5	1448.1	1447.4	1459.6	1472.0	1485.0	1498.1
32.5°	1415.8	1424.5	1415.8	1413.6	1411.5	1417.8	1424.2	1428.9	1433.7	1435.7	1437.9
35°	1392.8	1403.9	1392.8	1387.8	1382.5	1382.5	1382.5	1380.8	1378.9	1376.4	1373.8
37.5°	1356.1	1356.4	1356.1	1353.9	1351.7	1346.6	1341.4	1334.9	1328.3	1313.9	1299.5
40°	1306.1	1307.4	1306.1	1309.3	1312.4	1312.0	1311.3	1296.4	1281.7	1255.0	1228.2
42.5°	1280.1	1283.6	1280.1	1278.7	1277.3	1271.6	1265.9	1252.8	1239.6	1209.9	1180.0
45°	1233.8	1229.8	1233.8	1234.6	1235.4	1232.3	1229.5	1213.2	1196.9	1162.7	1128.5
47.5°	1210.5	1214.0	1210.5	1208.4	1206.4	1203.9	1201.3	1184.1	1166.8	1133.4	1100.0
50°	1178.4	1176.0	1178.4	1184.7	1191.0	1191.8	1192.6	1168.9	1145.1	1109.5	1073.9
52.5°	1176.3	1177.6	1176.3	1180.0	1183.6	1181.5	1179.5	1156.7	1133.6	1094.6	1055.7
55°	1153.8	1149.1	1153.8	1160.8	1167.8	1165.2	1163.0	1140.9	1118.7	1084.0	1049.4
57.5°	1136.4	1138.0	1136.4	1141.8	1147.2	1151.5	1155.7	1136.7	1117.8	1082.5	1047.0
60°	1093.4	1084.2	1093.4	1104.9	1116.6	1121.9	1126.9	1114.0	1100.8	1068.1	1035.1
62.5°	1050.2	1033.5	1050.2	1063.5	1076.6	1081.7	1086.6	1077.2	1068.1	1038.1	1008.2
65°	988.4	979.7	988.4	1001.7	1014.9	1023.1	1031.2	1019.9	1008.5	983.8	959.2
67.5°	912.5	899.0	912.5	929.9	947.3	956.2	965.2	955.8	946.5	922.0	897.4
70°	845.2	835.7	845.2	856.3	867.4	875.9	884.5	879.2	874.0	860.4	846.8
72.5°	747.1	737.6	747.1	761.9	776.8	786.3	795.8	789.8	783.8	771.0	758.1
75°	651.3	637.9	651.3	666.7	682.2	694.0	705.9	702.4	698.8	685.0	671.1
77.5°	551.1	538.1	551.1	565.7	580.1	588.9	598.0	595.0	592.0	576.1	560.3
80°	449.2	432.1	449.2	460.9	472.9	477.2	481.5	478.3	475.1	463.6	451.9
82.5°	351.7	337.1	351.7	361.7	371.6	373.5	375.4	368.5	361.2	352.0	342.7
85°	245.6	234.2	245.6	252.6	259.6	257.7	255.6	243.7	231.9	214.0	196.3
87.5°	106.0	88.6	106.0	121.9	137.7	145.5	153.2	141.2	129.5	114.9	100.5
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: P1209506

CATALOG NUMBER: UPW-SA2-130-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1559.8	1564.6	1570.9	1577.2	1584.0	1590.7	1597.6	1604.6	1618.4	1627.1	1634.7
5°	1487.8	1498.9	1509.2	1519.5	1535.9	1552.4	1571.4	1590.4	1607.3	1625.5	1645.9
7.5°	1448.4	1459.0	1473.7	1488.6	1506.8	1525.0	1547.5	1569.8	1597.8	1626.3	1656.4
10°	1461.1	1468.5	1481.8	1495.4	1513.1	1530.9	1554.4	1578.0	1622.3	1648.5	1681.8
12.5°	1521.2	1520.7	1534.0	1547.6	1560.5	1573.3	1584.2	1595.1	1613.6	1650.0	1698.5
15°	1592.1	1605.2	1608.9	1612.5	1608.3	1604.1	1600.3	1596.7	1607.3	1645.3	1700.8
17.5°	1656.2	1671.7	1663.8	1655.9	1636.9	1617.9	1605.6	1592.9	1575.6	1612.8	1678.1
20°	1679.3	1694.4	1681.1	1667.9	1632.0	1596.2	1566.9	1537.5	1529.7	1566.1	1645.1
22.5°	1661.7	1670.1	1658.6	1646.9	1609.5	1572.0	1536.1	1500.0	1468.8	1504.9	1594.0
25°	1622.7	1624.7	1608.3	1591.9	1555.9	1519.8	1484.5	1449.0	1417.4	1447.4	1538.5
27.5°	1564.4	1561.9	1543.4	1525.0	1493.3	1461.7	1431.8	1402.0	1371.5	1403.9	1504.9
30°	1491.6	1485.0	1466.0	1447.0	1419.4	1391.6	1371.2	1350.6	1340.6	1375.7	1481.8
32.5°	1427.8	1417.8	1399.8	1381.8	1362.0	1342.2	1333.6	1325.1	1315.3	1346.9	1446.5
35°	1354.5	1335.1	1318.6	1302.3	1293.3	1284.4	1284.9	1285.4	1288.4	1312.4	1403.8
37.5°	1279.2	1259.1	1244.8	1230.6	1224.9	1219.0	1224.7	1230.3	1236.9	1254.3	1341.4
40°	1209.2	1190.2	1177.4	1164.6	1164.0	1163.3	1171.2	1179.2	1183.9	1189.9	1274.0
42.5°	1151.3	1122.5	1111.7	1100.8	1103.0	1105.1	1108.9	1112.7	1125.3	1136.7	1217.3
45°	1103.5	1078.7	1065.0	1051.3	1048.4	1045.4	1053.8	1062.4	1062.8	1096.1	1177.3
47.5°	1069.6	1039.1	1025.3	1011.4	1006.6	1001.9	1006.3	1010.8	1030.4	1082.9	1156.4
50°	1047.6	1021.2	1005.4	989.5	976.3	962.6	965.3	968.0	1005.1	1082.3	1149.4
52.5°	1031.0	1006.3	994.1	982.1	962.3	942.5	949.5	956.5	1006.6	1083.4	1135.5
55°	1022.2	994.8	980.1	965.5	941.4	917.2	939.7	962.3	1050.2	1095.6	1114.9
57.5°	1019.3	991.6	966.3	941.0	917.2	893.5	936.4	979.4	1078.7	1077.9	1089.9
60°	1009.0	982.9	946.7	910.4	896.6	882.9	932.9	982.9	1041.5	1006.6	1042.9
62.5°	978.3	948.4	909.8	870.8	872.4	874.0	916.4	958.8	979.7	938.9	967.9
65°	927.3	895.5	861.2	827.0	839.2	851.5	879.2	906.9	895.1	884.5	890.8
67.5°	872.9	848.4	815.0	781.6	791.1	800.6	815.8	831.0	803.3	799.0	768.3
70°	815.3	783.8	759.4	734.7	742.0	749.0	747.1	745.0	720.2	698.0	652.4
72.5°	737.4	716.7	692.5	668.2	671.7	675.1	674.9	674.9	648.1	599.9	548.4
75°	652.1	633.1	612.4	591.6	593.7	595.9	593.2	590.5	562.7	501.4	453.6
77.5°	552.2	544.2	531.5	518.8	521.4	523.9	517.4	510.9	482.0	409.9	366.6
80°	449.7	447.6	441.6	435.6	436.5	437.2	427.8	418.3	384.6	320.5	284.3
82.5°	360.1	377.5	373.5	369.6	359.0	348.2	333.5	318.8	282.5	236.6	209.1
85°	241.2	286.2	297.7	309.4	289.6	269.9	242.8	215.6	178.9	150.4	133.1
87.5°	133.6	166.5	182.2	197.8	187.7	177.6	149.9	122.2	77.6	62.0	53.5
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: P1209506

CATALOG NUMBER: UPW-SA2-130-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1642.1	1652.6	1663.2	1669.0	1674.9	1676.5	1680.9
5°	1666.3	1690.6	1714.9	1740.9	1766.7	1784.9	1798.0
7.5°	1686.4	1725.5	1764.8	1806.1	1847.4	1897.6	1957.1
10°	1715.4	1769.9	1824.6	1894.7	1965.0	2023.4	2072.6
12.5°	1747.1	1815.8	1884.8	1969.6	2054.4	2136.9	2212.7
15°	1756.6	1843.9	1931.3	2043.2	2154.9	2258.9	2351.2
17.5°	1743.4	1857.2	1970.9	2103.3	2235.7	2368.9	2503.9
20°	1724.0	1867.4	2010.4	2171.2	2331.7	2476.1	2612.4
22.5°	1683.3	1853.1	2022.8	2208.8	2394.7	2550.0	2692.3
25°	1629.5	1822.7	2016.1	2232.5	2448.9	2630.4	2800.7
27.5°	1605.7	1830.3	2054.7	2298.3	2541.9	2717.0	2870.4
30°	1587.8	1834.6	2081.3	2354.4	2627.4	2813.8	2971.6
32.5°	1546.0	1813.5	2081.0	2390.8	2700.5	2903.6	3073.7
35°	1494.9	1783.6	2072.2	2424.2	2776.2	2990.5	3157.6
37.5°	1428.4	1739.1	2049.7	2450.1	2850.6	3105.1	3304.8
40°	1358.0	1696.1	2034.2	2509.0	2983.8	3290.1	3509.8
42.5°	1297.9	1660.3	2022.8	2565.0	3107.3	3492.7	3795.5
45°	1258.3	1631.7	2005.1	2641.8	3278.7	3820.2	4285.3
47.5°	1229.8	1601.9	1974.0	2764.3	3554.6	4368.6	5105.2
50°	1216.8	1591.0	1965.5	2980.7	3996.2	5153.5	6189.4
52.5°	1187.4	1563.6	1939.7	3146.5	4353.4	5838.0	7186.6
55°	1134.1	1507.1	1880.3	3189.9	4499.5	6297.8	8051.5
57.5°	1101.9	1422.8	1743.4	2986.8	4230.4	6364.8	8675.2
60°	1079.1	1264.6	1450.1	2544.8	3639.1	5968.9	8568.3
62.5°	996.8	1084.8	1172.8	2114.7	3056.6	5314.0	7871.9
65°	897.1	914.5	931.9	1720.5	2509.0	4586.9	7006.1
67.5°	737.6	721.9	706.2	1353.6	2000.9	3821.9	6010.6
70°	607.0	585.6	564.3	1051.6	1538.8	3131.8	5154.3
72.5°	497.0	478.3	459.8	793.3	1126.9	2416.6	4132.6
75°	406.0	392.4	378.6	586.6	794.5	1739.1	3040.5
77.5°	323.2	316.6	309.9	432.1	554.3	1197.8	2108.2
80°	248.2	243.6	239.0	298.4	357.7	689.5	1162.5
82.5°	181.7	179.0	176.5	200.9	225.1	367.7	575.3
85°	115.9	114.6	113.2	119.7	126.3	166.2	226.3
87.5°	44.6	46.2	47.8	50.3	52.5	63.3	81.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)