

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P722191

Luminaire Tested: **IFLD-S-SA2A-830-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722191
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-830-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

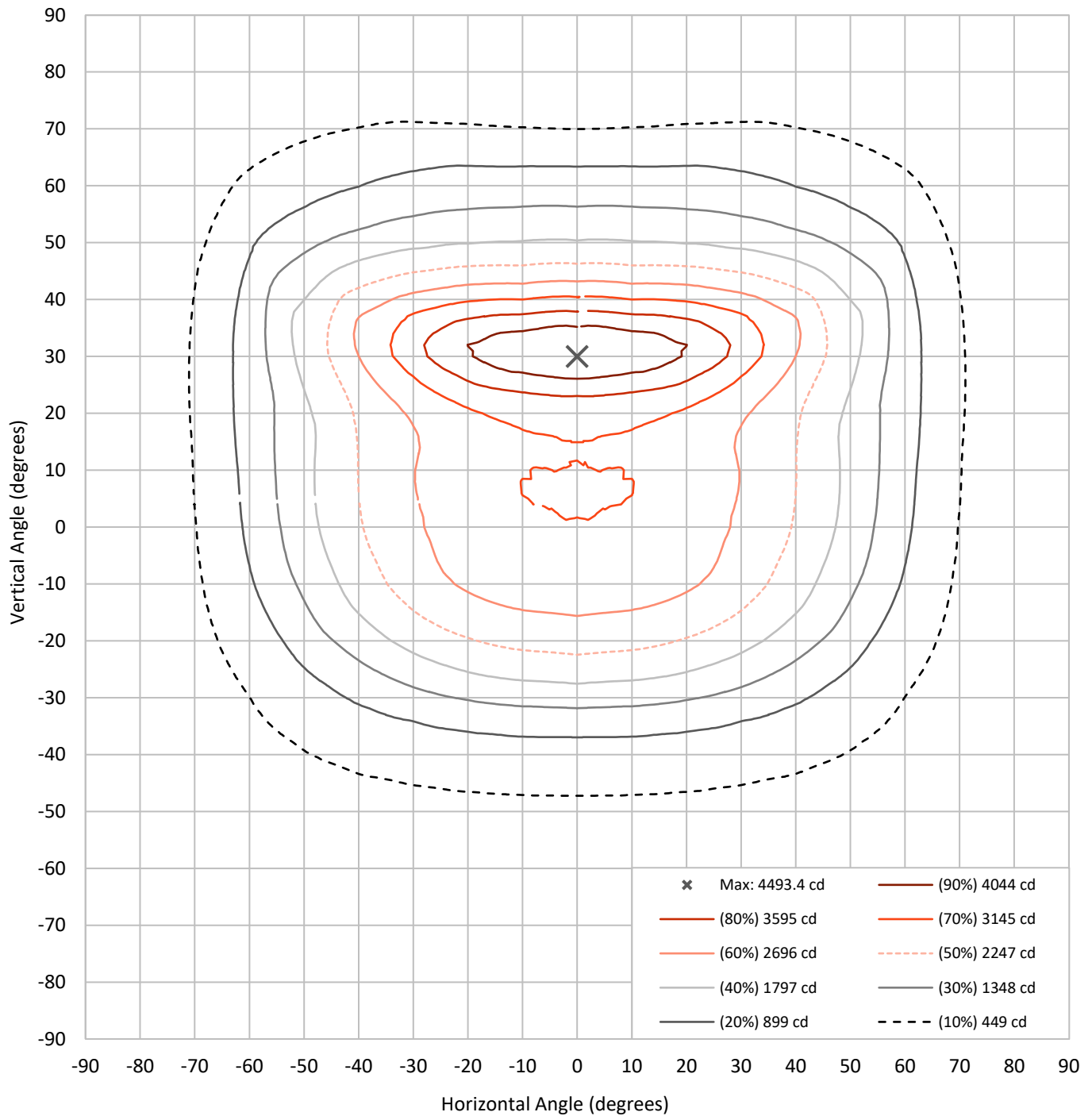
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	7500.6 lumens	Max Intensity:	4493.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	117.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	4361.7 lumens	Field Lumens:	7029 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 63.8
Input Voltage (V): 120
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



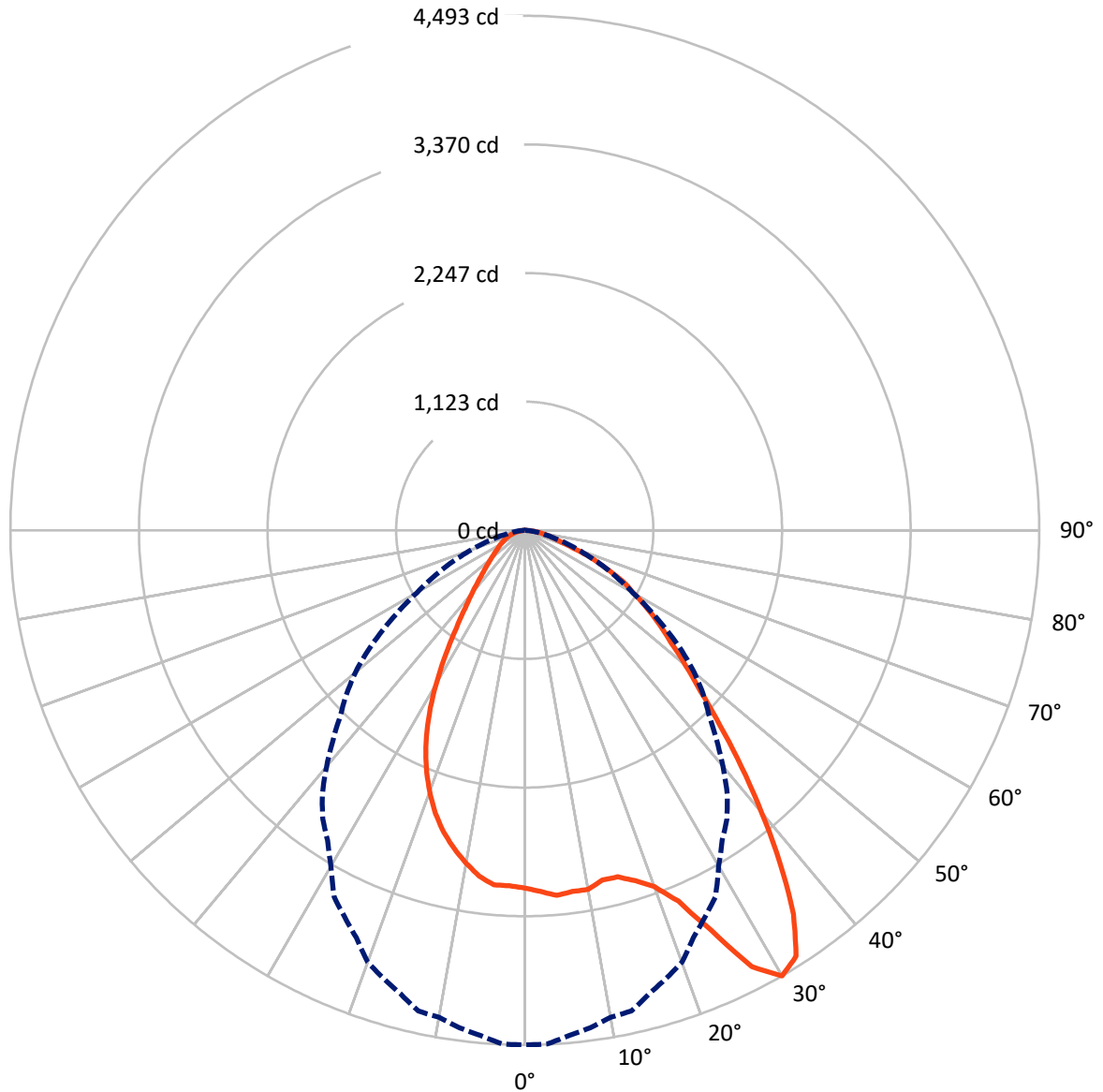
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Iso-Candela Plot



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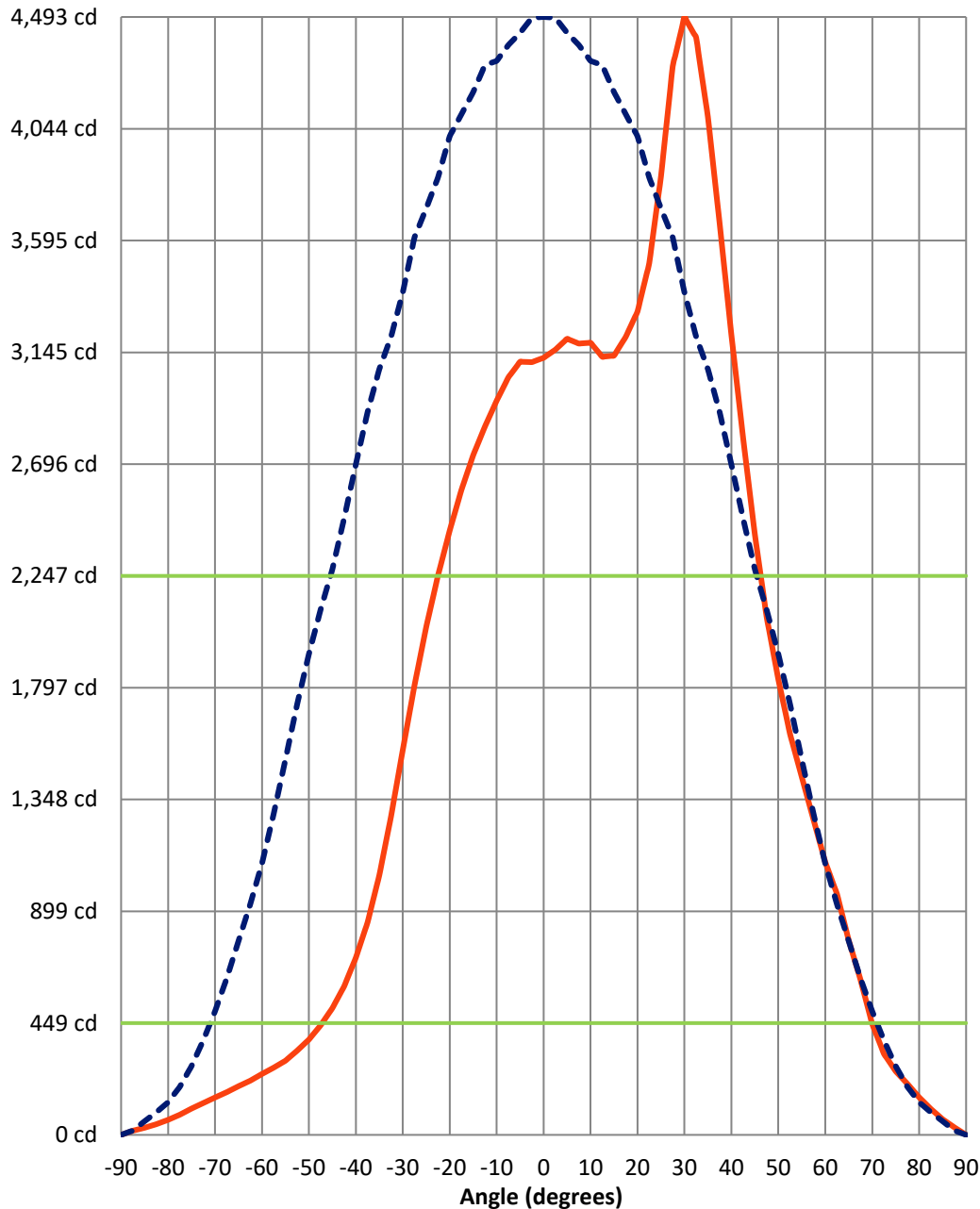
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 4361.7
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 7029
 Efficiency: 93.7%

Spill:
 Lumens: 471.6
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.2	31.0	31.8	31.8	31.0	31.0	31.0	30.2	31.0	31.0	31.0
85°	62.8	64.4	66.0	65.2	64.4	62.8	61.2	62.0	62.8	63.6	63.6
82.5°	104.1	106.5	108.1	107.3	105.7	104.1	102.5	103.3	104.9	105.7	105.7
80°	151.0	151.8	152.6	154.2	151.8	151.8	151.0	154.2	155.7	157.3	158.9
77.5°	205.0	205.8	205.8	206.6	207.4	208.2	208.2	213.7	217.7	220.1	222.5
75°	255.9	258.2	260.6	263.0	266.2	267.8	270.2	278.1	284.5	289.2	294.0
72.5°	325.8	329.0	332.9	338.5	344.1	348.0	353.6	363.1	370.3	375.0	380.6
70°	445.8	448.9	452.9	456.9	462.5	466.4	472.0	483.9	491.1	494.2	497.4
67.5°	623.8	631.7	638.8	630.9	626.9	621.4	623.0	634.1	641.2	646.0	645.2
65°	781.9	787.4	787.4	786.6	783.5	776.3	780.3	793.8	801.7	805.7	793.8
62.5°	967.8	967.8	963.8	970.2	971.0	966.2	963.8	964.6	965.4	967.8	947.9
60°	1096.5	1104.5	1106.9	1112.4	1114.0	1114.0	1118.0	1121.2	1121.2	1116.4	1093.4
57.5°	1266.6	1281.7	1284.9	1280.9	1272.9	1262.6	1261.0	1256.2	1246.7	1237.2	1226.1
55°	1438.2	1446.2	1445.4	1443.0	1435.0	1423.1	1424.7	1418.3	1403.2	1391.3	1376.2
52.5°	1610.6	1629.7	1632.9	1628.1	1617.0	1604.3	1605.1	1597.9	1582.8	1570.1	1549.4
50°	1830.7	1846.6	1845.0	1837.1	1821.2	1811.7	1812.5	1798.9	1781.5	1777.5	1750.5
47.5°	2082.6	2100.9	2097.7	2086.6	2065.1	2061.2	2065.1	2047.7	2037.3	2028.6	1996.8
45°	2413.2	2434.6	2422.7	2401.2	2367.1	2371.1	2376.6	2373.4	2351.2	2328.1	2287.6
42.5°	2800.9	2814.4	2800.1	2778.7	2735.8	2743.7	2740.5	2721.5	2708.0	2669.8	2618.2
40°	3215.7	3245.1	3222.9	3189.5	3145.0	3156.9	3148.2	3123.5	3091.7	3044.1	2978.9
37.5°	3663.1	3686.1	3660.7	3621.7	3582.0	3578.0	3560.6	3522.4	3477.1	3424.7	3320.6
35°	4091.3	4150.9	4104.1	4042.1	3993.6	3975.3	3958.6	3870.4	3818.8	3733.8	3591.5
32.5°	4410.0	4453.7	4395.7	4331.3	4272.5	4247.1	4188.3	4083.4	4055.6	3876.8	3746.5
30°	4493.4	4490.2	4429.8	4380.6	4317.0	4299.5	4191.5	4102.5	4013.5	3848.2	3724.2
27.5°	4294.8	4274.9	4216.9	4174.0	4111.2	4090.5	3984.1	3936.4	3798.9	3659.1	3554.2
25°	3852.2	3862.5	3818.8	3797.3	3756.0	3711.5	3669.4	3605.0	3519.2	3396.9	3300.7
22.5°	3503.3	3516.9	3498.6	3473.1	3441.4	3416.7	3384.9	3334.9	3252.3	3176.8	3086.2
20°	3309.5	3305.5	3289.6	3270.5	3240.3	3222.9	3187.9	3145.8	3082.2	3017.1	2919.3
17.5°	3207.8	3183.1	3168.0	3160.9	3145.0	3122.7	3081.4	3038.5	2989.2	2915.3	2843.8
15°	3132.3	3136.2	3124.3	3118.8	3106.0	3075.1	3032.9	2998.0	2931.2	2893.9	2828.7
12.5°	3127.5	3123.5	3124.3	3121.9	3106.0	3066.3	3044.9	3000.4	2957.5	2908.2	2833.5
10°	3183.9	3141.8	3145.0	3156.1	3130.7	3098.9	3075.9	3027.4	2986.9	2924.1	2850.2
7.5°	3180.7	3159.3	3165.6	3147.4	3155.3	3116.4	3084.6	3036.1	2985.3	2918.5	2851.8
5°	3199.8	3167.2	3161.7	3163.3	3143.4	3114.0	3071.1	3025.0	2977.3	2902.6	2834.3
2.5°	3156.1	3160.9	3135.4	3125.9	3123.5	3074.3	3034.5	2990.0	2940.8	2874.8	2813.6
0°	3123.5	3132.3	3106.0	3092.5	3091.7	3049.6	3024.2	2973.4	2938.4	2883.6	2809.7
-2.5°	3106.0	3116.4	3119.6	3094.9	3071.1	3038.5	2995.6	2940.8	2883.6	2820.0	2756.4
-5°	3107.6	3087.0	3078.2	3086.2	3065.5	3032.9	2985.3	2936.8	2880.4	2812.0	2732.6
-7.5°	3044.9	3024.2	3022.6	3018.6	3013.9	2982.9	2943.2	2890.7	2833.5	2769.9	2696.0
-10°	2951.1	2936.0	2932.0	2928.1	2915.3	2897.1	2859.7	2812.0	2760.4	2696.8	2618.2
-12.5°	2847.0	2839.9	2824.8	2814.4	2801.7	2780.3	2744.5	2700.8	2649.2	2592.7	2525.2
-15°	2731.8	2718.3	2703.2	2694.5	2676.2	2650.7	2615.0	2574.5	2518.1	2462.4	2398.9
-17.5°	2592.7	2576.1	2559.4	2557.0	2544.3	2505.3	2472.0	2422.7	2373.4	2320.2	2258.2
-20°	2429.1	2406.0	2394.9	2388.5	2371.1	2342.4	2306.7	2261.4	2213.7	2162.9	2091.4



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
-22.5°	2247.9	2228.0	2209.0	2197.0	2181.9	2159.7	2125.5	2085.8	2038.9	1981.7	1915.8
-25°	2042.1	2014.3	2002.4	1988.9	1980.9	1960.3	1926.9	1890.3	1841.9	1786.2	1723.5
-27.5°	1806.9	1784.6	1778.3	1759.2	1749.7	1728.2	1700.4	1666.3	1621.8	1569.3	1517.7
-30°	1547.1	1533.6	1523.2	1504.2	1497.0	1474.0	1455.7	1427.1	1386.6	1349.2	1307.9
-32.5°	1280.1	1266.6	1263.4	1254.7	1249.9	1234.8	1214.1	1193.5	1160.9	1133.1	1099.7
-35°	1043.3	1033.8	1034.6	1033.8	1029.0	1017.9	992.4	986.9	963.0	937.6	916.2
-37.5°	854.2	855.0	854.2	853.4	847.0	842.3	824.0	816.8	802.5	777.9	765.2
-40°	712.0	713.5	712.7	711.2	704.0	701.6	689.7	680.2	674.6	657.1	643.6
-42.5°	596.7	599.1	598.3	597.5	592.8	592.0	585.6	574.5	571.3	561.0	546.7
-45°	509.3	508.5	506.9	508.5	506.2	503.8	499.8	492.6	488.7	483.9	472.0
-47.5°	440.2	441.0	439.4	439.4	436.2	433.8	432.3	427.5	424.3	420.3	413.2
-50°	383.0	386.2	385.4	384.6	382.2	380.6	380.6	375.8	371.1	369.5	364.7
-52.5°	338.5	340.9	341.7	343.3	344.1	344.9	342.5	337.7	329.8	329.0	326.6
-55°	298.0	305.1	309.9	313.1	316.2	318.6	313.9	307.5	299.6	296.4	295.6
-57.5°	270.2	277.3	282.9	287.6	291.6	295.6	290.8	284.5	277.3	273.3	272.5
-60°	244.7	251.1	256.7	263.0	268.6	274.9	272.5	267.8	263.8	260.6	257.4
-62.5°	217.7	224.1	230.4	238.4	245.5	251.9	252.7	251.9	251.1	251.9	246.3
-65°	195.5	198.6	202.6	211.4	219.3	226.5	230.4	232.8	236.8	240.8	235.2
-67.5°	171.6	175.6	180.4	186.7	193.1	197.9	203.4	209.8	216.1	222.5	218.5
-70°	150.2	153.4	157.3	160.5	164.5	167.7	172.4	179.6	186.7	193.1	191.5
-72.5°	127.9	131.1	133.5	135.1	137.5	139.1	141.4	147.8	152.6	155.7	155.7
-75°	105.7	108.9	111.2	112.0	113.6	114.4	116.0	118.4	120.8	121.6	122.4
-77.5°	81.0	84.2	86.6	88.2	89.8	91.4	92.2	93.8	94.6	94.6	95.4
-80°	60.4	62.8	64.4	66.7	67.5	69.1	70.7	71.5	72.3	72.3	73.1
-82.5°	42.9	44.5	46.1	47.7	49.3	50.1	51.6	52.4	53.2	54.0	54.8
-85°	28.6	30.2	31.8	33.4	34.2	35.0	35.8	36.6	37.3	38.1	38.9
-87.5°	16.7	17.5	18.3	19.9	20.7	22.2	23.0	22.2	23.0	23.0	23.0
-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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	31.0	31.0	31.0	31.0	30.2	28.6	27.8	26.2	24.6	23.0	21.5
85°	64.4	65.2	65.2	65.2	63.6	62.8	60.4	58.0	54.8	50.1	46.1
82.5°	107.3	108.1	108.1	107.3	105.7	103.3	100.1	96.1	89.8	83.4	77.9
80°	161.3	162.1	162.1	161.3	157.3	153.4	149.4	144.6	136.7	127.9	118.4
77.5°	225.7	227.3	227.3	224.9	219.3	214.5	208.2	200.2	188.3	175.6	162.9
75°	300.4	304.3	305.1	302.7	295.6	286.8	276.5	263.0	244.7	228.8	213.7
72.5°	387.0	390.9	394.1	390.9	380.6	368.7	353.6	337.7	319.4	298.0	272.5
70°	500.6	504.6	506.9	496.6	478.3	458.5	440.2	421.9	400.5	374.3	346.4
67.5°	643.6	639.6	634.9	614.2	591.2	567.3	541.9	514.9	487.1	459.3	426.7
65°	781.1	770.0	759.6	735.0	705.6	674.6	645.2	615.0	581.6	546.7	515.7
62.5°	925.7	901.9	876.4	846.2	816.0	781.9	752.5	716.7	679.4	636.5	596.7
60°	1067.9	1039.3	1013.9	976.5	936.8	890.7	859.0	824.0	780.3	734.2	687.3
57.5°	1205.4	1174.4	1146.6	1114.0	1071.1	1021.0	986.1	940.8	894.7	836.7	789.0
55°	1351.6	1320.6	1298.4	1261.8	1214.9	1168.8	1130.7	1083.0	1018.7	956.7	897.9
52.5°	1519.3	1494.6	1470.8	1433.4	1377.0	1330.1	1288.0	1234.8	1167.3	1091.0	1020.3
50°	1706.8	1694.1	1668.6	1624.9	1560.6	1519.3	1463.6	1392.9	1320.6	1240.4	1152.2
47.5°	1955.5	1934.8	1899.1	1851.4	1797.4	1735.4	1660.7	1578.1	1475.6	1386.6	1292.8
45°	2252.7	2214.5	2168.4	2104.1	2037.3	1967.4	1885.6	1780.7	1643.2	1527.2	1428.7
42.5°	2574.5	2522.8	2460.0	2375.8	2289.2	2203.4	2115.2	1972.2	1800.5	1667.0	1555.8
40°	2910.6	2844.6	2766.0	2643.6	2547.5	2437.0	2336.1	2122.3	1939.6	1795.0	1676.6
37.5°	3239.5	3156.1	3024.2	2875.6	2763.6	2673.0	2451.3	2222.5	2058.8	1899.9	1779.9
35°	3491.4	3420.7	3187.9	3033.7	2937.6	2794.6	2517.3	2282.9	2109.6	1977.7	1791.0
32.5°	3640.8	3458.1	3253.8	3098.1	3018.6	2784.2	2522.0	2300.3	2133.5	1985.7	1762.4
30°	3607.4	3386.5	3207.8	3077.4	2905.0	2694.5	2477.5	2273.3	2111.2	1932.4	1730.6
27.5°	3406.4	3235.6	3075.9	2940.0	2770.7	2581.6	2381.4	2201.8	2050.8	1877.6	1686.9
25°	3179.1	3024.2	2905.8	2787.4	2626.9	2446.5	2270.1	2140.6	1988.9	1818.0	1629.7
22.5°	2970.2	2858.9	2766.0	2642.0	2485.5	2328.1	2218.5	2084.2	1928.5	1755.2	1570.9
20°	2836.7	2761.2	2654.7	2518.1	2394.9	2296.4	2174.8	2032.6	1872.1	1690.9	1520.8
17.5°	2772.3	2684.9	2566.5	2477.5	2383.0	2274.9	2139.0	1988.1	1817.2	1661.5	1526.4
15°	2738.9	2646.8	2568.9	2481.5	2375.0	2261.4	2110.4	1953.9	1817.2	1673.4	1530.4
12.5°	2746.1	2666.6	2581.6	2486.3	2371.8	2250.3	2113.6	1968.2	1826.8	1682.1	1531.2
10°	2768.3	2684.9	2594.3	2488.7	2373.4	2253.5	2122.3	1976.9	1831.5	1686.1	1529.6
7.5°	2776.3	2685.7	2588.8	2482.3	2369.5	2251.9	2123.9	1979.3	1832.3	1685.3	1524.8
5°	2751.7	2669.8	2576.1	2468.8	2358.3	2243.9	2117.6	1976.1	1826.0	1677.4	1512.9
2.5°	2718.3	2652.3	2562.5	2459.3	2347.2	2232.8	2107.2	1961.8	1811.7	1663.1	1497.8
0°	2712.7	2630.9	2540.3	2448.1	2328.9	2208.2	2083.4	1934.8	1785.4	1636.1	1471.6
-2.5°	2676.2	2589.6	2499.0	2398.9	2294.0	2172.4	2041.3	1895.9	1748.1	1601.1	1443.0
-5°	2648.4	2552.2	2456.1	2348.0	2242.3	2120.8	1984.9	1843.4	1698.8	1555.8	1403.2
-7.5°	2611.0	2512.5	2411.6	2298.7	2184.3	2060.4	1926.1	1784.6	1642.4	1500.2	1354.0
-10°	2535.5	2448.9	2354.4	2237.6	2116.8	1992.8	1859.3	1720.3	1578.1	1434.2	1287.2
-12.5°	2444.2	2352.8	2249.5	2142.2	2034.1	1918.9	1785.4	1648.8	1505.7	1361.1	1214.9
-15°	2325.8	2236.0	2130.3	2025.4	1921.3	1810.9	1693.3	1570.1	1424.7	1282.5	1136.3
-17.5°	2178.0	2093.7	1999.2	1899.1	1795.8	1684.5	1570.1	1466.0	1330.1	1196.7	1052.0
-20°	2019.1	1940.4	1855.4	1760.8	1657.5	1548.7	1440.6	1331.7	1214.1	1096.5	962.2



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	1853.8	1774.3	1688.5	1600.3	1505.0	1404.0	1303.9	1199.8	1096.5	990.1	876.4
-25°	1663.1	1593.2	1514.5	1428.7	1343.6	1255.5	1160.1	1065.5	977.3	885.2	792.2
-27.5°	1463.6	1399.3	1327.8	1253.1	1180.0	1106.1	1023.4	936.0	862.9	786.6	709.6
-30°	1253.9	1202.2	1144.2	1079.1	1022.6	963.0	893.9	821.6	754.9	696.9	634.9
-32.5°	1055.2	1011.5	970.2	927.3	871.7	825.6	777.9	724.7	665.9	611.0	566.5
-35°	884.4	837.5	820.0	788.2	748.5	708.0	673.0	634.9	590.4	541.9	505.4
-37.5°	740.6	712.7	688.1	670.6	644.4	611.8	584.0	556.2	522.0	485.5	448.9
-40°	628.5	609.4	582.4	573.7	557.0	534.8	506.2	484.7	461.7	433.8	402.9
-42.5°	538.7	524.4	506.9	491.9	484.7	468.8	446.6	425.9	407.6	388.6	364.7
-45°	464.8	455.3	444.2	430.7	425.1	412.4	396.5	373.5	363.1	347.2	329.8
-47.5°	405.2	400.5	392.5	383.8	375.8	366.3	352.0	337.7	323.4	313.1	299.6
-50°	358.4	355.2	350.4	343.3	332.9	326.6	317.0	304.3	290.8	282.1	272.5
-52.5°	321.0	317.8	314.7	309.1	301.1	294.8	286.8	276.5	265.4	256.7	248.7
-55°	292.4	287.6	285.3	280.5	274.1	267.0	259.8	252.7	243.1	235.2	227.3
-57.5°	270.2	263.8	260.6	256.7	250.3	243.1	237.6	230.4	224.1	215.3	208.2
-60°	252.7	245.5	239.2	235.2	229.6	222.5	216.9	211.4	205.0	197.9	189.1
-62.5°	238.4	229.6	220.9	216.1	210.6	204.2	198.6	193.1	186.7	179.6	171.6
-65°	224.9	214.5	203.4	198.6	193.1	186.7	179.6	175.6	170.0	163.7	155.7
-67.5°	208.2	197.1	187.5	182.0	176.4	170.8	164.5	160.5	154.9	147.0	139.1
-70°	183.6	176.4	170.0	165.3	160.5	155.7	149.4	143.0	136.7	129.5	122.4
-72.5°	152.6	150.2	149.4	147.0	141.4	135.9	129.5	123.2	117.6	112.0	106.5
-75°	123.2	124.8	126.3	125.5	120.0	114.4	108.9	103.3	99.3	94.6	89.8
-77.5°	97.7	99.3	100.9	100.9	96.9	93.8	89.8	85.8	82.6	78.7	73.9
-80°	75.5	77.9	80.3	81.8	78.7	76.3	73.1	69.9	66.7	63.6	60.4
-82.5°	57.2	59.6	62.0	63.6	61.2	59.6	57.2	54.8	52.4	49.3	46.9
-85°	41.3	42.9	44.5	45.3	43.7	42.1	40.5	38.9	37.3	35.0	33.4
-87.5°	23.8	24.6	25.4	26.2	24.6	23.0	22.2	20.7	19.9	18.3	17.5
-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°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.9	18.3	16.7	15.9	14.3	11.9	10.3	8.7	7.2	5.6	4.8
85°	42.1	38.1	33.4	31.0	27.8	24.6	21.5	18.3	15.1	11.9	8.7
82.5°	72.3	67.5	62.8	57.2	50.1	41.3	32.6	27.0	22.2	17.5	13.5
80°	108.9	100.1	92.2	85.0	77.1	66.0	54.0	42.9	30.2	23.0	17.5
77.5°	151.0	140.6	129.5	117.6	104.9	89.8	76.3	62.0	46.9	31.8	22.2
75°	198.6	185.1	170.0	153.4	136.7	116.8	97.7	81.0	63.6	44.5	27.0
72.5°	251.9	235.2	216.9	194.7	168.5	145.4	122.4	100.1	79.5	56.4	36.6
70°	320.2	294.0	267.0	243.1	209.8	173.2	146.2	120.8	94.6	69.1	46.1
67.5°	393.3	361.5	329.0	294.0	251.9	209.0	170.0	141.4	110.4	81.0	54.8
65°	472.8	433.1	391.7	352.8	294.8	243.9	200.2	161.3	125.5	92.2	63.6
62.5°	554.6	507.7	460.1	409.2	342.5	279.7	228.8	183.6	139.8	102.5	71.5
60°	642.0	587.2	529.2	465.6	387.8	318.6	255.9	206.6	154.9	112.8	80.3
57.5°	734.2	674.6	606.3	520.5	434.6	356.0	286.8	227.3	168.5	122.4	86.6
55°	834.3	766.0	691.3	577.7	480.7	393.3	317.8	247.9	182.8	130.3	93.0
52.5°	942.4	862.9	768.4	638.1	529.2	431.5	346.4	266.2	196.3	139.1	98.5
50°	1063.2	963.0	835.9	693.7	571.3	467.2	375.0	286.1	207.4	148.6	103.3
47.5°	1188.7	1080.6	896.3	745.3	614.2	502.2	404.4	303.5	218.5	156.5	108.1
45°	1319.8	1162.5	959.1	791.4	651.6	534.0	426.7	319.4	232.0	163.7	112.0
42.5°	1449.3	1224.5	1013.9	837.5	686.5	562.6	445.0	334.5	243.1	170.8	116.0
40°	1510.5	1271.3	1057.6	869.3	715.9	588.0	460.9	348.0	252.7	175.6	120.0
37.5°	1535.9	1299.9	1086.2	899.5	739.0	601.5	474.4	359.9	260.6	180.4	123.2
35°	1541.5	1310.3	1100.5	920.1	758.0	614.2	484.7	368.7	267.0	185.1	126.3
32.5°	1531.2	1307.1	1104.5	927.3	770.0	623.8	491.9	375.0	271.7	189.9	129.5
30°	1508.1	1290.4	1090.2	926.5	778.7	629.3	496.6	379.8	276.5	193.1	131.1
27.5°	1470.8	1261.0	1071.9	927.3	783.5	631.7	499.0	382.2	279.7	195.5	134.3
25°	1424.7	1221.3	1072.7	925.7	784.3	632.5	499.0	382.2	280.5	196.3	136.7
22.5°	1371.5	1221.3	1072.7	923.3	779.5	630.9	496.6	380.6	280.5	197.9	139.1
20°	1374.6	1222.1	1070.3	918.5	772.3	626.1	491.1	376.6	278.1	200.2	140.6
17.5°	1377.0	1220.5	1065.5	912.2	762.8	618.2	483.9	371.1	278.1	202.6	141.4
15°	1377.0	1215.7	1058.4	902.7	750.9	607.1	473.6	366.3	278.9	203.4	143.0
12.5°	1374.6	1207.0	1047.3	889.9	736.6	593.6	467.2	364.7	278.9	204.2	143.0
10°	1369.9	1195.1	1033.0	874.0	723.1	588.8	464.0	361.5	277.3	204.2	143.0
7.5°	1361.1	1180.8	1021.0	864.5	715.1	583.2	459.3	356.8	274.9	202.6	144.6
5°	1347.6	1172.8	1011.5	853.4	704.0	579.3	456.1	352.8	273.3	202.6	143.0
2.5°	1330.1	1163.3	1000.4	839.1	691.3	565.7	445.8	344.1	267.8	199.4	141.4
0°	1301.5	1144.2	981.3	819.2	673.8	552.2	435.4	335.3	262.2	196.3	139.8
-2.5°	1275.3	1118.8	956.7	798.6	657.1	540.3	427.5	330.5	259.8	195.5	139.1
-5°	1238.8	1083.8	924.1	771.5	634.9	528.4	419.5	325.0	257.4	193.9	139.1
-7.5°	1198.2	1047.3	889.9	743.7	612.6	507.7	404.4	316.2	251.9	190.7	138.3
-10°	1135.5	992.4	847.0	712.0	588.8	489.5	391.7	308.3	247.1	187.5	135.1
-12.5°	1068.7	932.1	797.8	673.0	561.8	470.4	377.4	299.6	241.6	184.3	133.5
-15°	998.0	870.1	746.1	632.5	532.4	447.4	362.3	290.0	236.0	180.4	131.1
-17.5°	924.1	804.9	692.9	591.2	503.0	423.5	346.4	281.3	229.6	176.4	128.7
-20°	846.2	738.2	638.8	549.1	472.0	399.7	329.8	271.0	222.5	171.6	125.5



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	769.2	672.2	583.2	507.7	440.2	375.0	313.1	260.6	214.5	166.1	123.2
-25°	700.8	610.2	534.0	468.0	409.2	351.2	295.6	250.3	205.8	160.5	120.0
-27.5°	634.1	557.0	485.5	430.7	379.0	328.2	278.9	239.2	197.1	154.2	116.8
-30°	572.1	506.2	447.4	394.1	350.4	307.5	264.6	228.0	187.5	147.8	112.8
-32.5°	515.7	462.5	413.2	362.3	323.4	286.8	251.1	216.9	178.0	141.4	108.9
-35°	463.2	421.9	379.0	336.1	296.4	267.8	236.8	205.0	169.2	134.3	104.9
-37.5°	416.4	383.0	348.8	312.3	278.1	249.5	223.3	193.1	160.5	127.9	100.9
-40°	375.8	348.8	318.6	289.2	260.6	233.6	209.8	181.2	151.8	123.2	96.9
-42.5°	338.5	317.8	293.2	268.6	243.1	219.3	196.3	168.5	143.0	117.6	93.0
-45°	309.9	289.2	269.4	247.1	225.7	205.0	182.0	157.3	135.1	111.2	89.0
-47.5°	282.9	264.6	246.3	228.0	210.6	191.5	168.5	147.8	126.3	105.7	85.8
-50°	259.0	241.6	225.7	209.8	194.7	176.4	154.9	138.3	119.2	100.1	81.8
-52.5°	236.8	221.7	205.8	193.1	180.4	162.1	144.6	128.7	112.0	93.8	77.9
-55°	216.9	202.6	188.3	176.4	164.5	148.6	134.3	120.8	104.9	89.0	73.9
-57.5°	197.9	185.9	172.4	161.3	149.4	136.7	124.8	112.0	97.7	84.2	69.9
-60°	180.4	169.2	157.3	146.2	135.9	125.5	114.4	104.1	91.4	78.7	66.0
-62.5°	162.9	153.4	143.0	131.9	124.0	114.4	105.7	95.4	85.0	73.9	58.8
-65°	147.0	138.3	128.7	119.2	112.0	104.9	96.9	87.4	78.7	68.3	52.4
-67.5°	131.1	123.2	115.2	107.3	100.9	95.4	87.4	80.3	73.1	62.0	46.1
-70°	116.0	109.7	102.5	96.1	91.4	85.0	79.5	73.1	66.7	54.0	38.9
-72.5°	101.7	95.4	89.8	85.0	81.0	75.5	70.7	66.0	57.2	45.3	32.6
-75°	85.0	81.0	77.9	73.9	69.9	66.0	62.0	56.4	47.7	36.6	25.4
-77.5°	69.9	67.5	65.2	62.0	58.8	55.6	50.9	45.3	38.1	28.6	20.7
-80°	57.2	54.8	53.2	50.1	47.7	44.5	39.7	35.0	27.8	22.2	16.7
-82.5°	43.7	42.1	40.5	38.9	36.6	33.4	28.6	24.6	20.7	16.7	12.7
-85°	31.0	30.2	28.6	27.0	24.6	22.2	19.1	16.7	14.3	11.1	8.7
-87.5°	15.9	15.1	14.3	13.5	12.7	11.1	9.5	7.9	7.2	5.6	4.0
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	3.2	2.4	0.8	0.0
85°	6.4	4.0	1.6	0.0
82.5°	9.5	6.4	2.4	0.0
80°	12.7	7.9	4.0	0.0
77.5°	15.9	9.5	4.8	0.0
75°	19.1	11.9	5.6	0.0
72.5°	21.5	13.5	6.4	0.0
70°	25.4	15.9	7.2	0.0
67.5°	31.8	17.5	7.9	0.0
65°	37.3	19.1	8.7	0.0
62.5°	43.7	20.7	9.5	0.0
60°	49.3	22.2	10.3	0.0
57.5°	54.8	26.2	11.1	0.0
55°	59.6	29.4	11.9	0.0
52.5°	65.2	32.6	12.7	0.0
50°	69.9	35.8	13.5	0.0
47.5°	73.9	38.9	13.5	0.0
45°	77.1	41.3	14.3	0.0
42.5°	79.5	43.7	15.1	0.0
40°	81.8	46.1	15.9	0.0
37.5°	84.2	48.5	15.9	0.0
35°	86.6	50.9	16.7	0.0
32.5°	89.0	53.2	16.7	0.0
30°	90.6	54.8	17.5	0.0
27.5°	93.0	56.4	17.5	0.0
25°	93.8	58.0	18.3	0.0
22.5°	95.4	58.8	18.3	0.0
20°	96.9	60.4	18.3	0.0
17.5°	97.7	61.2	19.1	0.0
15°	97.7	62.0	19.9	0.0
12.5°	98.5	62.8	19.9	0.0
10°	98.5	64.4	19.1	0.0
7.5°	100.1	63.6	19.1	0.0
5°	99.3	63.6	19.1	0.0
2.5°	98.5	62.8	19.1	0.0
0°	97.7	62.8	19.1	0.0
-2.5°	97.7	62.8	19.1	0.0
-5°	97.7	62.8	19.1	0.0
-7.5°	96.9	63.6	19.1	0.0
-10°	95.4	63.6	19.1	0.0
-12.5°	94.6	61.2	19.1	0.0
-15°	93.8	60.4	19.1	0.0
-17.5°	92.2	59.6	18.3	0.0
-20°	90.6	58.8	18.3	0.0



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 CATALOG NUMBER: IFLD-S-SA2A-830-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	89.0	57.2	18.3	0.0
-25°	87.4	55.6	17.5	0.0
-27.5°	85.8	54.0	17.5	0.0
-30°	83.4	52.4	16.7	0.0
-32.5°	81.0	50.9	16.7	0.0
-35°	79.5	48.5	15.9	0.0
-37.5°	77.1	46.1	15.9	0.0
-40°	74.7	43.7	15.1	0.0
-42.5°	72.3	41.3	14.3	0.0
-45°	69.1	38.9	14.3	0.0
-47.5°	66.7	36.6	13.5	0.0
-50°	62.8	33.4	12.7	0.0
-52.5°	58.0	30.2	11.9	0.0
-55°	53.2	27.8	11.1	0.0
-57.5°	48.5	24.6	11.1	0.0
-60°	43.7	21.5	10.3	0.0
-62.5°	38.9	19.9	9.5	0.0
-65°	34.2	18.3	8.7	0.0
-67.5°	28.6	15.9	7.9	0.0
-70°	23.8	14.3	7.2	0.0
-72.5°	20.7	12.7	6.4	0.0
-75°	17.5	11.1	5.6	0.0
-77.5°	15.1	9.5	4.8	0.0
-80°	11.9	7.2	3.2	0.0
-82.5°	8.7	5.6	2.4	0.0
-85°	5.6	4.0	1.6	0.0
-87.5°	3.2	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)