

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: P722254

Luminaire Tested: **IFLD-S-SA3A-930-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722254
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

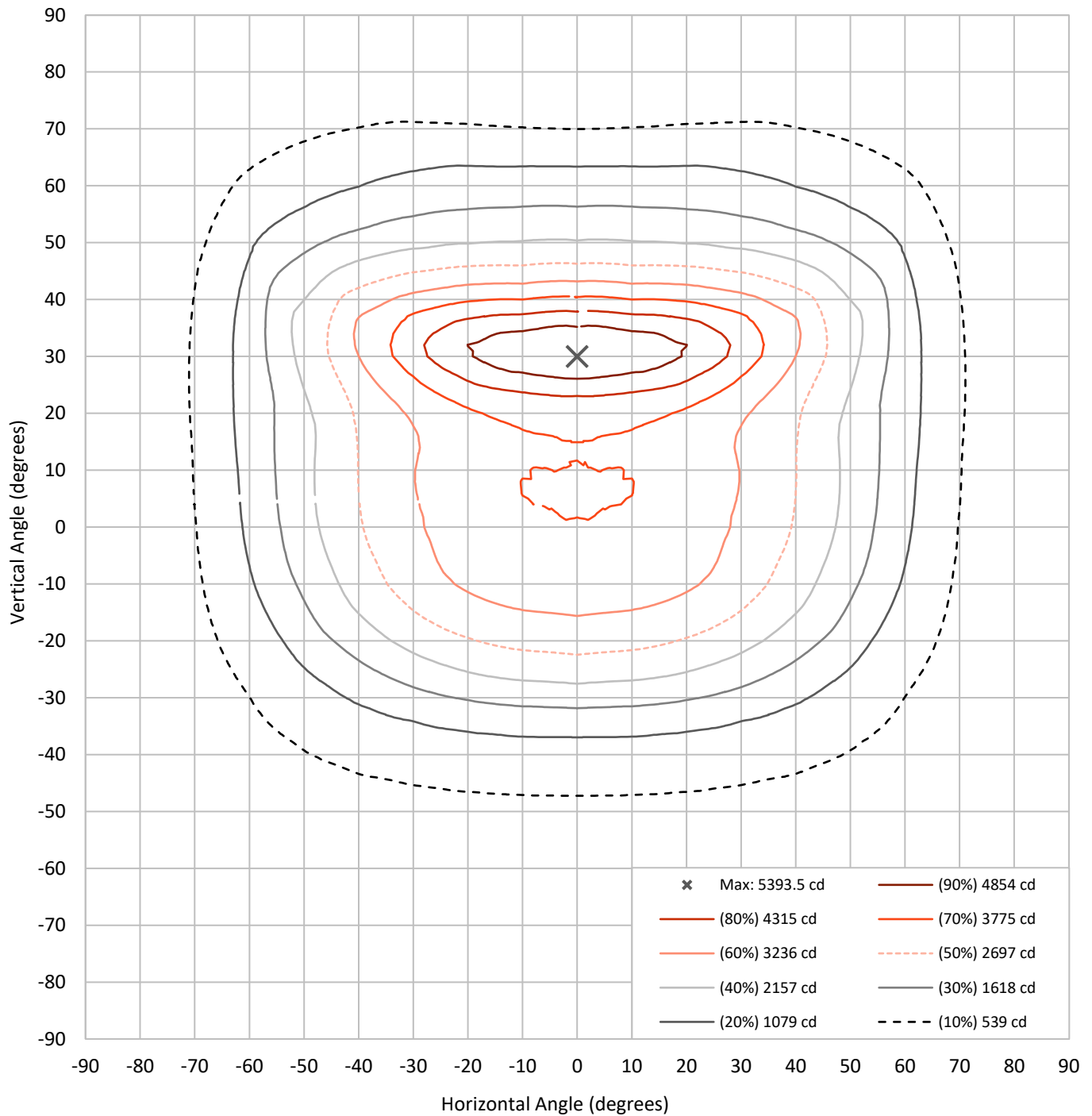
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	9003.1 lumens	Max Intensity:	5393.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	95.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	5235.4 lumens	Field Lumens:	8437.1 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 94.8
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



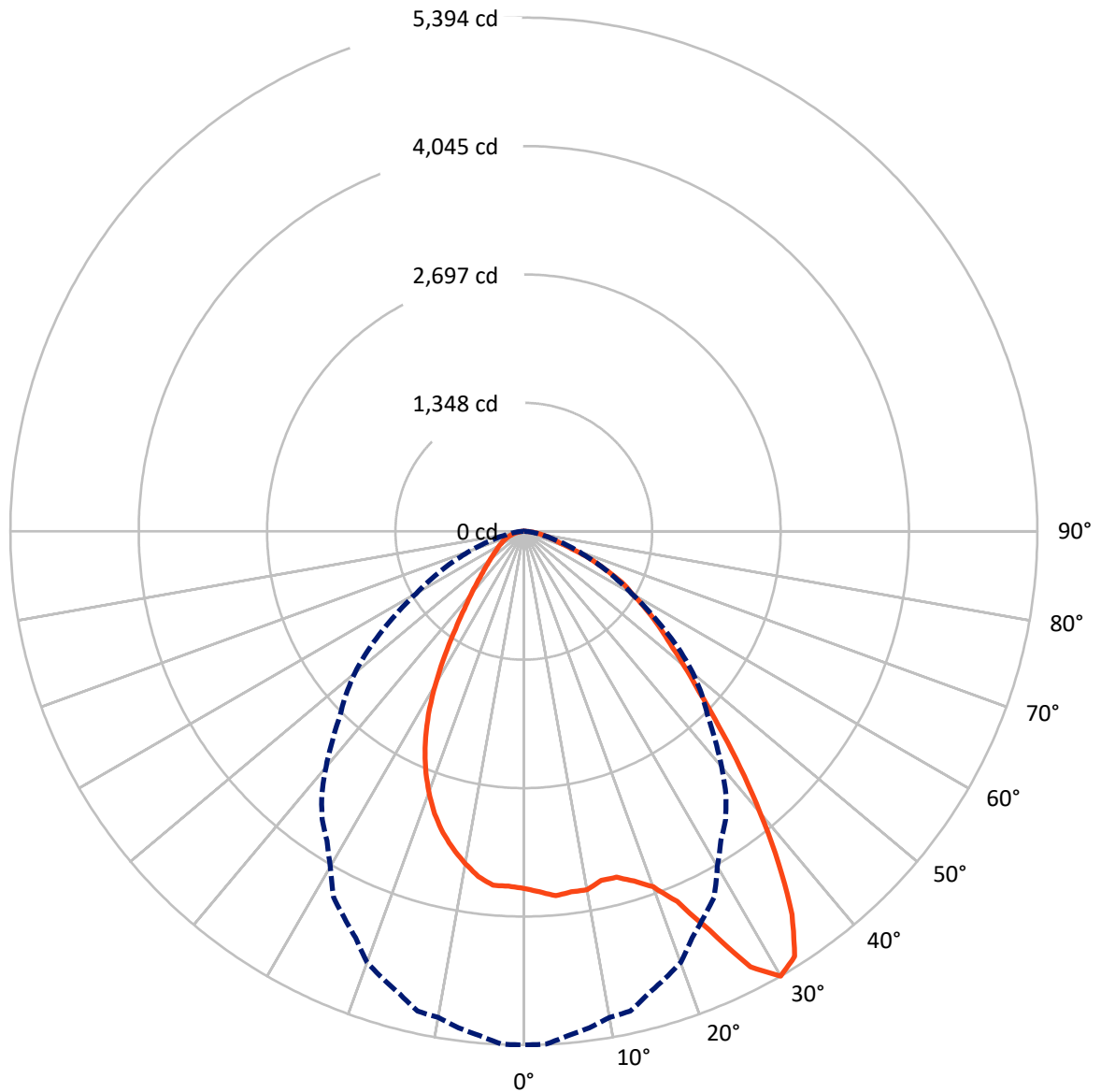
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Iso-Candela Plot



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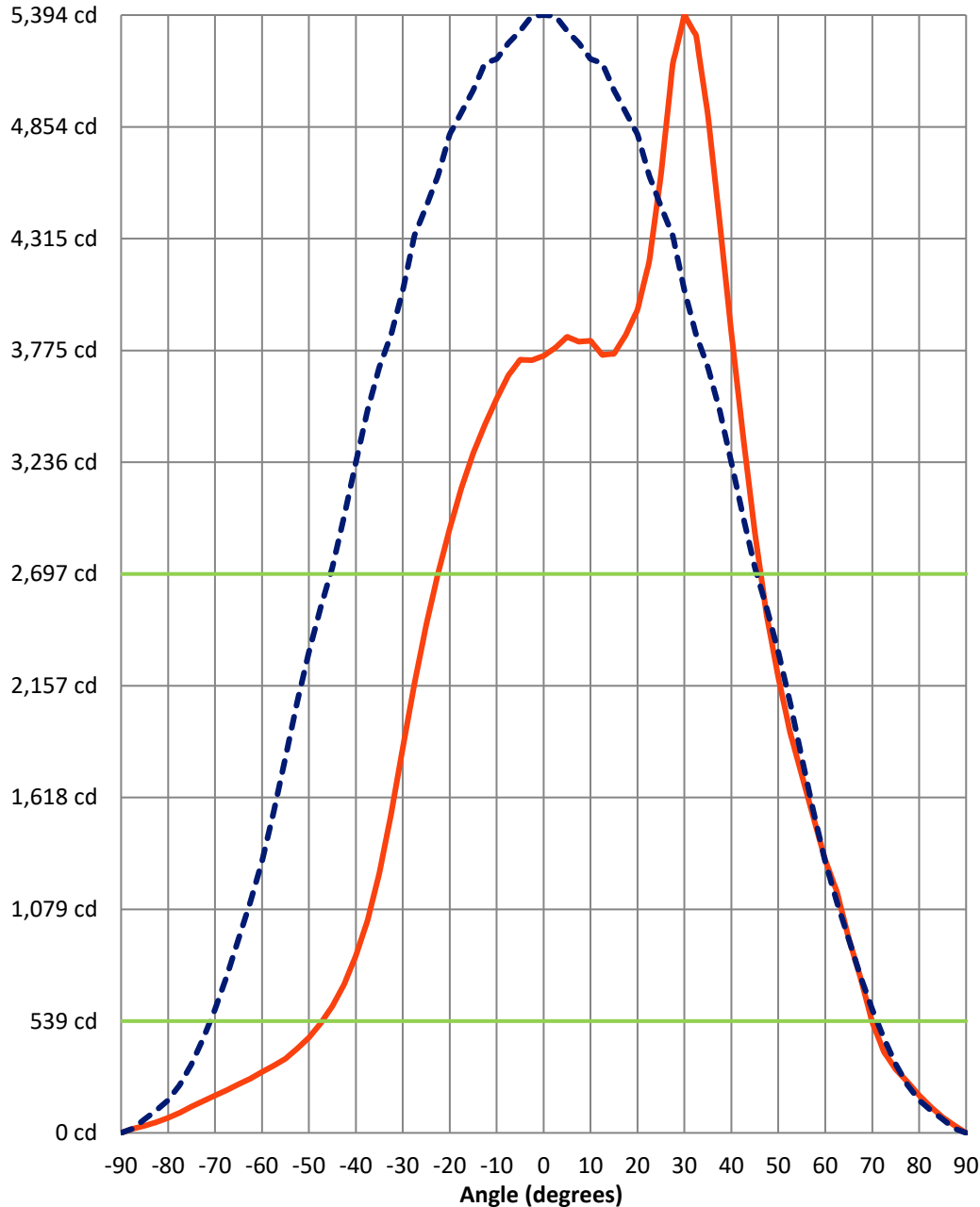
Luminous Intensity Polar Plot



— 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: 5235.4
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 8437.1
 Efficiency: 93.7%

Spill:
 Lumens: 566
 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°	36.2	37.2	38.2	38.2	37.2	37.2	37.2	36.2	37.2	37.2	37.2
85°	75.3	77.3	79.2	78.2	77.3	75.3	73.4	74.4	75.3	76.3	76.3
82.5°	124.9	127.8	129.7	128.8	126.9	124.9	123.0	124.0	125.9	126.9	126.9
80°	181.2	182.2	183.1	185.0	182.2	182.2	181.2	185.0	186.9	188.8	190.8
77.5°	246.1	247.0	247.0	248.0	248.9	249.9	249.9	256.6	261.3	264.2	267.1
75°	307.1	310.0	312.8	315.7	319.5	321.4	324.3	333.8	341.4	347.2	352.9
72.5°	391.0	394.9	399.6	406.3	413.0	417.7	424.4	435.9	444.5	450.2	456.9
70°	535.1	538.9	543.6	548.4	555.1	559.9	566.5	580.8	589.4	593.2	597.1
67.5°	748.7	758.2	766.8	757.3	752.5	745.8	747.7	761.1	769.7	775.4	774.5
65°	938.5	945.2	945.2	944.2	940.4	931.8	936.6	952.8	962.3	967.1	952.8
62.5°	1161.7	1161.7	1156.9	1164.5	1165.5	1159.8	1156.9	1157.9	1158.8	1161.7	1137.8
60°	1316.2	1325.7	1328.6	1335.3	1337.2	1337.2	1341.9	1345.8	1345.8	1340.0	1312.4
57.5°	1520.3	1538.4	1542.2	1537.5	1527.9	1515.5	1513.6	1507.9	1496.5	1485.0	1471.7
55°	1726.3	1735.8	1734.9	1732.0	1722.5	1708.2	1710.1	1702.5	1684.3	1670.0	1651.9
52.5°	1933.3	1956.2	1960.0	1954.3	1940.9	1925.6	1926.6	1918.0	1899.9	1884.6	1859.8
50°	2197.5	2216.5	2214.6	2205.1	2186.0	2174.6	2175.5	2159.3	2138.3	2133.6	2101.1
47.5°	2499.8	2521.7	2517.9	2504.6	2478.8	2474.1	2478.8	2457.8	2445.4	2435.0	2396.8
45°	2896.6	2922.3	2908.0	2882.3	2841.3	2846.0	2852.7	2848.9	2822.2	2794.5	2745.9
42.5°	3362.0	3378.2	3361.1	3335.3	3283.8	3293.3	3289.5	3266.6	3250.4	3204.6	3142.6
40°	3859.9	3895.2	3868.5	3828.4	3775.0	3789.3	3778.8	3749.2	3711.1	3653.9	3575.7
37.5°	4396.8	4424.5	4394.0	4347.2	4299.6	4294.8	4273.8	4228.0	4173.7	4110.7	3985.8
35°	4910.9	4982.4	4926.2	4851.8	4793.6	4771.7	4751.6	4645.8	4583.8	4481.7	4311.0
32.5°	5293.4	5345.8	5276.2	5199.0	5128.4	5097.9	5027.3	4901.4	4868.0	4653.4	4497.0
30°	5393.5	5389.7	5317.2	5258.1	5181.8	5160.8	5031.1	4924.3	4817.4	4619.1	4470.3
27.5°	5155.1	5131.2	5061.6	5010.1	4934.8	4910.0	4782.2	4724.9	4559.9	4392.1	4266.2
25°	4623.8	4636.2	4583.8	4558.0	4508.4	4455.0	4404.5	4327.2	4224.2	4077.3	3961.9
22.5°	4205.1	4221.3	4199.4	4168.9	4130.7	4101.2	4063.0	4002.9	3903.7	3813.1	3704.4
20°	3972.4	3967.6	3948.6	3925.7	3889.4	3868.5	3826.5	3775.9	3699.6	3621.4	3504.1
17.5°	3850.3	3820.8	3802.6	3794.1	3775.0	3748.3	3698.7	3647.2	3588.0	3499.3	3413.5
15°	3759.7	3764.5	3750.2	3743.5	3728.3	3691.1	3640.5	3598.5	3518.4	3473.6	3395.4
12.5°	3754.0	3749.2	3750.2	3747.3	3728.3	3680.6	3654.8	3601.4	3549.9	3490.8	3401.1
10°	3821.7	3771.2	3775.0	3788.3	3757.8	3719.7	3692.0	3633.8	3585.2	3509.8	3421.1
7.5°	3817.9	3792.2	3799.8	3777.8	3787.4	3740.7	3702.5	3644.3	3583.3	3503.2	3423.0
5°	3840.8	3801.7	3795.0	3796.9	3773.1	3737.8	3686.3	3631.0	3573.7	3484.1	3402.1
2.5°	3788.3	3794.1	3763.5	3752.1	3749.2	3690.1	3642.4	3589.0	3529.9	3450.7	3377.3
0°	3749.2	3759.7	3728.3	3712.0	3711.1	3660.5	3630.0	3569.0	3527.0	3461.2	3372.5
-2.5°	3728.3	3740.7	3744.5	3714.9	3686.3	3647.2	3595.7	3529.9	3461.2	3384.9	3308.6
-5°	3730.2	3705.4	3694.9	3704.4	3679.6	3640.5	3583.3	3525.1	3457.4	3375.4	3280.0
-7.5°	3654.8	3630.0	3628.1	3623.3	3617.6	3580.4	3532.7	3469.8	3401.1	3324.8	3236.1
-10°	3542.3	3524.1	3519.4	3514.6	3499.3	3477.4	3432.6	3375.4	3313.4	3237.1	3142.6
-12.5°	3417.3	3408.7	3390.6	3378.2	3363.0	3337.2	3294.3	3241.8	3179.8	3112.1	3031.1
-15°	3279.0	3262.8	3244.7	3234.2	3212.3	3181.7	3138.8	3090.2	3022.5	2955.7	2879.4
-17.5°	3112.1	3092.1	3072.1	3069.2	3053.9	3007.2	2967.2	2908.0	2848.9	2785.0	2710.6
-20°	2915.6	2888.0	2874.6	2867.0	2846.0	2811.7	2768.8	2714.4	2657.2	2596.1	2510.3



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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°	2698.2	2674.3	2651.5	2637.1	2619.0	2592.3	2551.3	2503.6	2447.4	2378.7	2299.5
-25°	2451.2	2417.8	2403.5	2387.3	2377.7	2352.9	2312.9	2269.0	2210.8	2144.1	2068.7
-27.5°	2168.9	2142.1	2134.5	2111.6	2100.2	2074.4	2041.0	2000.0	1946.6	1883.7	1821.7
-30°	1857.0	1840.8	1828.4	1805.5	1796.9	1769.2	1747.3	1713.0	1664.3	1619.5	1569.9
-32.5°	1536.5	1520.3	1516.5	1506.0	1500.3	1482.1	1457.3	1432.5	1393.4	1360.1	1320.0
-35°	1252.3	1240.8	1241.8	1240.8	1235.1	1221.8	1191.2	1184.6	1156.0	1125.4	1099.7
-37.5°	1025.3	1026.2	1025.3	1024.3	1016.7	1011.0	989.1	980.5	963.3	933.7	918.5
-40°	854.6	856.5	855.5	853.6	845.0	842.2	827.9	816.4	809.7	788.8	772.5
-42.5°	716.3	719.1	718.2	717.2	711.5	710.6	702.9	689.6	685.8	673.4	656.2
-45°	611.4	610.4	608.5	610.4	607.5	604.7	599.9	591.3	586.6	580.8	566.5
-47.5°	528.4	529.3	527.4	527.4	523.6	520.8	518.8	513.1	509.3	504.5	496.0
-50°	459.7	463.5	462.6	461.6	458.8	456.9	456.9	451.1	445.4	443.5	437.8
-52.5°	406.3	409.2	410.1	412.0	413.0	413.9	411.1	405.3	395.8	394.9	392.0
-55°	357.7	366.2	372.0	375.8	379.6	382.5	376.7	369.1	359.6	355.8	354.8
-57.5°	324.3	332.9	339.5	345.3	350.0	354.8	349.1	341.4	332.9	328.1	327.1
-60°	293.8	301.4	308.1	315.7	322.4	330.0	327.1	321.4	316.6	312.8	309.0
-62.5°	261.3	269.0	276.6	286.1	294.7	302.3	303.3	302.3	301.4	302.3	295.7
-65°	234.6	238.4	243.2	253.7	263.2	271.8	276.6	279.5	284.2	289.0	282.3
-67.5°	206.0	210.8	216.5	224.1	231.8	237.5	244.2	251.8	259.4	267.1	262.3
-70°	180.3	184.1	188.8	192.7	197.4	201.2	207.0	215.6	224.1	231.8	229.9
-72.5°	153.6	157.4	160.2	162.1	165.0	166.9	169.8	177.4	183.1	186.9	186.9
-75°	126.9	130.7	133.5	134.5	136.4	137.3	139.2	142.1	145.0	145.9	146.9
-77.5°	97.3	101.1	104.0	105.9	107.8	109.7	110.6	112.5	113.5	113.5	114.5
-80°	72.5	75.3	77.3	80.1	81.1	83.0	84.9	85.8	86.8	86.8	87.7
-82.5°	51.5	53.4	55.3	57.2	59.1	60.1	62.0	62.9	63.9	64.9	65.8
-85°	34.3	36.2	38.2	40.1	41.0	42.0	42.9	43.9	44.8	45.8	46.7
-87.5°	20.0	21.0	21.9	23.8	24.8	26.7	27.7	26.7	27.7	27.7	27.7
-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°	37.2	37.2	37.2	37.2	36.2	34.3	33.4	31.5	29.6	27.7	25.8
85°	77.3	78.2	78.2	78.2	76.3	75.3	72.5	69.6	65.8	60.1	55.3
82.5°	128.8	129.7	129.7	128.8	126.9	124.0	120.2	115.4	107.8	100.1	93.5
80°	193.6	194.6	194.6	193.6	188.8	184.1	179.3	173.6	164.0	153.6	142.1
77.5°	270.9	272.8	272.8	269.9	263.2	257.5	249.9	240.3	226.0	210.8	195.5
75°	360.5	365.3	366.2	363.4	354.8	344.3	331.9	315.7	293.8	274.7	256.6
72.5°	464.5	469.3	473.1	469.3	456.9	442.5	424.4	405.3	383.4	357.7	327.1
70°	600.9	605.6	608.5	596.1	574.2	550.3	528.4	506.4	480.7	449.2	415.8
67.5°	772.5	767.8	762.1	737.3	709.6	681.0	650.5	618.0	584.7	551.3	512.2
65°	937.5	924.2	911.8	882.2	846.9	809.7	774.5	738.2	698.2	656.2	619.0
62.5°	1111.1	1082.5	1052.0	1015.8	979.5	938.5	903.2	860.3	815.5	764.0	716.3
60°	1281.9	1247.5	1217.0	1172.2	1124.5	1069.2	1031.0	989.1	936.6	881.3	825.0
57.5°	1446.9	1409.7	1376.3	1337.2	1285.7	1225.6	1183.6	1129.3	1073.9	1004.3	947.1
55°	1622.3	1585.2	1558.4	1514.6	1458.3	1403.0	1357.2	1300.0	1222.7	1148.3	1077.8
52.5°	1823.6	1794.0	1765.4	1720.6	1652.9	1596.6	1546.0	1482.1	1401.1	1309.5	1224.6
50°	2048.7	2033.4	2002.9	1950.4	1873.2	1823.6	1756.8	1671.9	1585.2	1488.8	1383.0
47.5°	2347.2	2322.4	2279.5	2222.3	2157.4	2083.0	1993.4	1894.2	1771.1	1664.3	1551.8
45°	2703.9	2658.1	2602.8	2525.6	2445.4	2361.5	2263.3	2137.4	1972.4	1833.1	1714.9
42.5°	3090.2	3028.2	2952.8	2851.7	2747.8	2644.8	2538.9	2367.2	2161.2	2001.0	1867.5
40°	3493.6	3414.5	3320.0	3173.2	3057.8	2925.2	2804.1	2547.5	2328.1	2154.5	2012.4
37.5°	3888.5	3788.3	3630.0	3451.7	3317.2	3208.5	2942.4	2667.7	2471.2	2280.4	2136.4
35°	4190.8	4105.9	3826.5	3641.5	3526.1	3354.4	3021.5	2740.2	2532.2	2373.9	2149.8
32.5°	4370.1	4150.8	3905.7	3718.7	3623.3	3342.0	3027.2	2761.1	2560.8	2383.4	2115.4
30°	4330.1	4064.9	3850.3	3693.9	3487.0	3234.2	2973.8	2728.7	2534.1	2319.5	2077.3
27.5°	4088.8	3883.7	3692.0	3528.9	3325.8	3098.8	2858.4	2642.9	2461.7	2253.7	2024.8
25°	3816.0	3630.0	3487.9	3345.8	3153.1	2936.6	2724.9	2569.4	2387.3	2182.2	1956.2
22.5°	3565.2	3431.6	3320.0	3171.3	2983.4	2794.5	2662.9	2501.7	2314.8	2106.9	1885.6
20°	3404.9	3314.3	3186.5	3022.5	2874.6	2756.4	2610.4	2439.7	2247.1	2029.6	1825.5
17.5°	3327.7	3222.8	3080.6	2973.8	2860.3	2730.6	2567.5	2386.3	2181.3	1994.3	1832.2
15°	3287.6	3177.0	3083.5	2978.6	2850.8	2714.4	2533.2	2345.3	2181.3	2008.6	1836.9
12.5°	3296.2	3200.8	3098.8	2984.3	2847.0	2701.1	2537.0	2362.5	2192.7	2019.1	1837.9
10°	3322.9	3222.8	3114.0	2987.2	2848.9	2704.9	2547.5	2373.0	2198.4	2023.9	1836.0
7.5°	3332.4	3223.7	3107.4	2979.5	2844.1	2703.0	2549.4	2375.8	2199.4	2022.9	1830.3
5°	3302.9	3204.6	3092.1	2963.3	2830.8	2693.4	2541.8	2372.0	2191.7	2013.4	1816.0
2.5°	3262.8	3183.7	3075.9	2951.9	2817.4	2680.1	2529.4	2354.8	2174.6	1996.2	1797.8
0°	3256.1	3157.9	3049.2	2938.5	2795.5	2650.5	2500.8	2322.4	2143.1	1963.8	1766.4
-2.5°	3212.3	3108.3	2999.6	2879.4	2753.5	2607.6	2450.2	2275.7	2098.3	1921.8	1732.0
-5°	3178.9	3063.5	2948.1	2818.4	2691.5	2545.6	2382.5	2212.7	2039.1	1867.5	1684.3
-7.5°	3134.1	3015.8	2894.7	2759.2	2621.9	2473.1	2311.9	2142.1	1971.4	1800.7	1625.2
-10°	3043.5	2939.5	2826.0	2685.8	2540.8	2392.0	2231.8	2064.9	1894.2	1721.5	1545.1
-12.5°	2933.8	2824.1	2700.1	2571.3	2441.6	2303.3	2143.1	1979.1	1807.4	1633.8	1458.3
-15°	2791.7	2683.9	2557.0	2431.1	2306.2	2173.6	2032.5	1884.6	1710.1	1539.4	1363.9
-17.5°	2614.3	2513.2	2399.7	2279.5	2155.5	2022.0	1884.6	1759.7	1596.6	1436.4	1262.8
-20°	2423.5	2329.1	2227.0	2113.5	1989.5	1858.9	1729.2	1598.5	1457.3	1316.2	1155.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2225.1	2129.7	2026.7	1920.9	1806.4	1685.3	1565.1	1440.2	1316.2	1188.4	1052.0
-25°	1996.2	1912.3	1817.9	1714.9	1612.8	1506.9	1392.5	1279.0	1173.1	1062.5	950.9
-27.5°	1756.8	1679.6	1593.7	1504.1	1416.3	1327.6	1228.4	1123.5	1035.8	944.2	851.7
-30°	1505.0	1443.0	1373.4	1295.2	1227.5	1156.0	1073.0	986.2	906.1	836.4	762.1
-32.5°	1266.6	1214.1	1164.5	1113.0	1046.3	991.0	933.7	869.8	799.3	733.4	680.0
-35°	1061.5	1005.3	984.3	946.1	898.4	849.8	807.8	762.1	708.6	650.5	606.6
-37.5°	888.9	855.5	826.0	805.0	773.5	734.4	701.0	667.6	626.6	582.7	538.9
-40°	754.4	731.5	699.1	688.6	668.6	641.9	607.5	581.8	554.1	520.8	483.6
-42.5°	646.7	629.5	608.5	590.4	581.8	562.7	536.0	511.2	489.3	466.4	437.8
-45°	558.0	546.5	533.2	516.9	510.3	495.0	475.9	448.3	435.9	416.8	395.8
-47.5°	486.4	480.7	471.2	460.7	451.1	439.7	422.5	405.3	388.2	375.8	359.6
-50°	430.1	426.3	420.6	412.0	399.6	392.0	380.6	365.3	349.1	338.6	327.1
-52.5°	385.3	381.5	377.7	371.0	361.5	353.8	344.3	331.9	318.6	308.1	298.5
-55°	351.0	345.3	342.4	336.7	329.0	320.5	311.9	303.3	291.9	282.3	272.8
-57.5°	324.3	316.6	312.8	308.1	300.4	291.9	285.2	276.6	269.0	258.5	249.9
-60°	303.3	294.7	287.1	282.3	275.6	267.1	260.4	253.7	246.1	237.5	227.0
-62.5°	286.1	275.6	265.1	259.4	252.7	245.1	238.4	231.8	224.1	215.6	206.0
-65°	269.9	257.5	244.2	238.4	231.8	224.1	215.6	210.8	204.1	196.5	186.9
-67.5°	249.9	236.5	225.1	218.4	211.7	205.1	197.4	192.7	186.0	176.4	166.9
-70°	220.3	211.7	204.1	198.4	192.7	186.9	179.3	171.7	164.0	155.5	146.9
-72.5°	183.1	180.3	179.3	176.4	169.8	163.1	155.5	147.8	141.2	134.5	127.8
-75°	147.8	149.7	151.6	150.7	144.0	137.3	130.7	124.0	119.2	113.5	107.8
-77.5°	117.3	119.2	121.1	121.1	116.4	112.5	107.8	103.0	99.2	94.4	88.7
-80°	90.6	93.5	96.3	98.2	94.4	91.6	87.7	83.9	80.1	76.3	72.5
-82.5°	68.7	71.5	74.4	76.3	73.4	71.5	68.7	65.8	62.9	59.1	56.3
-85°	49.6	51.5	53.4	54.4	52.5	50.5	48.6	46.7	44.8	42.0	40.1
-87.5°	28.6	29.6	30.5	31.5	29.6	27.7	26.7	24.8	23.8	21.9	21.0
-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°	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°	23.8	21.9	20.0	19.1	17.2	14.3	12.4	10.5	8.6	6.7	5.7
85°	50.5	45.8	40.1	37.2	33.4	29.6	25.8	21.9	18.1	14.3	10.5
82.5°	86.8	81.1	75.3	68.7	60.1	49.6	39.1	32.4	26.7	21.0	16.2
80°	130.7	120.2	110.6	102.1	92.5	79.2	64.9	51.5	36.2	27.7	21.0
77.5°	181.2	168.8	155.5	141.2	125.9	107.8	91.6	74.4	56.3	38.2	26.7
75°	238.4	222.2	204.1	184.1	164.0	140.2	117.3	97.3	76.3	53.4	32.4
72.5°	302.3	282.3	260.4	233.7	202.2	174.5	146.9	120.2	95.4	67.7	43.9
70°	384.4	352.9	320.5	291.9	251.8	207.9	175.5	145.0	113.5	83.0	55.3
67.5°	472.1	434.0	394.9	352.9	302.3	250.8	204.1	169.8	132.6	97.3	65.8
65°	567.5	519.8	470.2	423.5	353.8	292.8	240.3	193.6	150.7	110.6	76.3
62.5°	665.7	609.5	552.2	491.2	411.1	335.7	274.7	220.3	167.9	123.0	85.8
60°	770.6	704.8	635.2	558.9	465.4	382.5	307.1	248.0	186.0	135.4	96.3
57.5°	881.3	809.7	727.7	624.7	521.7	427.3	344.3	272.8	202.2	146.9	104.0
55°	1001.4	919.4	829.8	693.4	577.0	472.1	381.5	297.6	219.4	156.4	111.6
52.5°	1131.2	1035.8	922.3	765.9	635.2	517.9	415.8	319.5	235.6	166.9	118.3
50°	1276.1	1156.0	1003.4	832.6	685.8	560.8	450.2	343.4	248.9	178.4	124.0
47.5°	1426.8	1297.1	1075.8	894.6	737.3	602.8	485.5	364.3	262.3	187.9	129.7
45°	1584.2	1395.4	1151.2	949.9	782.1	640.9	512.2	383.4	278.5	196.5	134.5
42.5°	1739.7	1469.7	1217.0	1005.3	824.0	675.3	534.1	401.5	291.9	205.1	139.2
40°	1813.1	1526.0	1269.5	1043.4	859.3	705.8	553.2	417.7	303.3	210.8	144.0
37.5°	1843.6	1560.4	1303.8	1079.7	887.0	722.0	569.4	432.1	312.8	216.5	147.8
35°	1850.3	1572.8	1321.0	1104.5	909.9	737.3	581.8	442.5	320.5	222.2	151.6
32.5°	1837.9	1568.9	1325.7	1113.0	924.2	748.7	590.4	450.2	326.2	227.9	155.5
30°	1810.2	1548.9	1308.6	1112.1	934.7	755.4	596.1	455.9	331.9	231.8	157.4
27.5°	1765.4	1513.6	1286.6	1113.0	940.4	758.2	599.0	458.8	335.7	234.6	161.2
25°	1710.1	1465.9	1287.6	1111.1	941.4	759.2	599.0	458.8	336.7	235.6	164.0
22.5°	1646.2	1465.9	1287.6	1108.3	935.6	757.3	596.1	456.9	336.7	237.5	166.9
20°	1650.0	1466.9	1284.7	1102.5	927.1	751.6	589.4	452.1	333.8	240.3	168.8
17.5°	1652.9	1465.0	1279.0	1094.9	915.6	742.0	580.8	445.4	333.8	243.2	169.8
15°	1652.9	1459.3	1270.4	1083.5	901.3	728.7	568.4	439.7	334.8	244.2	171.7
12.5°	1650.0	1448.8	1257.1	1068.2	884.1	712.5	560.8	437.8	334.8	245.1	171.7
10°	1644.3	1434.5	1239.9	1049.1	867.9	706.7	557.0	434.0	332.9	245.1	171.7
7.5°	1633.8	1417.3	1225.6	1037.7	858.4	700.1	551.3	428.2	330.0	243.2	173.6
5°	1617.6	1407.8	1214.1	1024.3	845.0	695.3	547.5	423.5	328.1	243.2	171.7
2.5°	1596.6	1396.3	1200.8	1007.2	829.8	679.1	535.1	413.0	321.4	239.4	169.8
0°	1562.3	1373.4	1177.9	983.3	808.8	662.9	522.7	402.5	314.7	235.6	167.9
-2.5°	1530.8	1342.9	1148.3	958.5	788.8	648.6	513.1	396.8	311.9	234.6	166.9
-5°	1486.9	1300.9	1109.2	926.1	762.1	634.3	503.6	390.1	309.0	232.7	166.9
-7.5°	1438.3	1257.1	1068.2	892.7	735.3	609.5	485.5	379.6	302.3	228.9	166.0
-10°	1362.9	1191.2	1016.7	854.6	706.7	587.5	470.2	370.1	296.6	225.1	162.1
-12.5°	1282.8	1118.8	957.6	807.8	674.3	564.6	453.0	359.6	289.9	221.3	160.2
-15°	1197.9	1044.4	895.6	759.2	639.0	537.0	434.9	348.1	283.3	216.5	157.4
-17.5°	1109.2	966.2	831.7	709.6	603.7	508.4	415.8	337.6	275.6	211.7	154.5
-20°	1015.8	886.0	766.8	659.0	566.5	479.7	395.8	325.2	267.1	206.0	150.7



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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°	923.2	806.9	700.1	609.5	528.4	450.2	375.8	312.8	257.5	199.3	147.8
-25°	841.2	732.5	640.9	561.8	491.2	421.6	354.8	300.4	247.0	192.7	144.0
-27.5°	761.1	668.6	582.7	516.9	454.9	393.9	334.8	287.1	236.5	185.0	140.2
-30°	686.7	607.5	537.0	473.1	420.6	369.1	317.6	273.7	225.1	177.4	135.4
-32.5°	619.0	555.1	496.0	434.9	388.2	344.3	301.4	260.4	213.6	169.8	130.7
-35°	556.0	506.4	454.9	403.4	355.8	321.4	284.2	246.1	203.2	161.2	125.9
-37.5°	499.8	459.7	418.7	374.8	333.8	299.5	268.0	231.8	192.7	153.6	121.1
-40°	451.1	418.7	382.5	347.2	312.8	280.4	251.8	217.5	182.2	147.8	116.4
-42.5°	406.3	381.5	351.9	322.4	291.9	263.2	235.6	202.2	171.7	141.2	111.6
-45°	372.0	347.2	323.3	296.6	270.9	246.1	218.4	188.8	162.1	133.5	106.8
-47.5°	339.5	317.6	295.7	273.7	252.7	229.9	202.2	177.4	151.6	126.9	103.0
-50°	310.9	289.9	270.9	251.8	233.7	211.7	186.0	166.0	143.1	120.2	98.2
-52.5°	284.2	266.1	247.0	231.8	216.5	194.6	173.6	154.5	134.5	112.5	93.5
-55°	260.4	243.2	226.0	211.7	197.4	178.4	161.2	145.0	125.9	106.8	88.7
-57.5°	237.5	223.2	207.0	193.6	179.3	164.0	149.7	134.5	117.3	101.1	83.9
-60°	216.5	203.2	188.8	175.5	163.1	150.7	137.3	124.9	109.7	94.4	79.2
-62.5°	195.5	184.1	171.7	158.3	148.8	137.3	126.9	114.5	102.1	88.7	70.6
-65°	176.4	166.0	154.5	143.1	134.5	125.9	116.4	104.9	94.4	82.0	62.9
-67.5°	157.4	147.8	138.3	128.8	121.1	114.5	104.9	96.3	87.7	74.4	55.3
-70°	139.2	131.6	123.0	115.4	109.7	102.1	95.4	87.7	80.1	64.9	46.7
-72.5°	122.1	114.5	107.8	102.1	97.3	90.6	84.9	79.2	68.7	54.4	39.1
-75°	102.1	97.3	93.5	88.7	83.9	79.2	74.4	67.7	57.2	43.9	30.5
-77.5°	83.9	81.1	78.2	74.4	70.6	66.8	61.0	54.4	45.8	34.3	24.8
-80°	68.7	65.8	63.9	60.1	57.2	53.4	47.7	42.0	33.4	26.7	20.0
-82.5°	52.5	50.5	48.6	46.7	43.9	40.1	34.3	29.6	24.8	20.0	15.3
-85°	37.2	36.2	34.3	32.4	29.6	26.7	22.9	20.0	17.2	13.4	10.5
-87.5°	19.1	18.1	17.2	16.2	15.3	13.4	11.4	9.5	8.6	6.7	4.8
-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°	3.8	2.9	1.0	0.0
85°	7.6	4.8	1.9	0.0
82.5°	11.4	7.6	2.9	0.0
80°	15.3	9.5	4.8	0.0
77.5°	19.1	11.4	5.7	0.0
75°	22.9	14.3	6.7	0.0
72.5°	25.8	16.2	7.6	0.0
70°	30.5	19.1	8.6	0.0
67.5°	38.2	21.0	9.5	0.0
65°	44.8	22.9	10.5	0.0
62.5°	52.5	24.8	11.4	0.0
60°	59.1	26.7	12.4	0.0
57.5°	65.8	31.5	13.4	0.0
55°	71.5	35.3	14.3	0.0
52.5°	78.2	39.1	15.3	0.0
50°	83.9	42.9	16.2	0.0
47.5°	88.7	46.7	16.2	0.0
45°	92.5	49.6	17.2	0.0
42.5°	95.4	52.5	18.1	0.0
40°	98.2	55.3	19.1	0.0
37.5°	101.1	58.2	19.1	0.0
35°	104.0	61.0	20.0	0.0
32.5°	106.8	63.9	20.0	0.0
30°	108.7	65.8	21.0	0.0
27.5°	111.6	67.7	21.0	0.0
25°	112.5	69.6	21.9	0.0
22.5°	114.5	70.6	21.9	0.0
20°	116.4	72.5	21.9	0.0
17.5°	117.3	73.4	22.9	0.0
15°	117.3	74.4	23.8	0.0
12.5°	118.3	75.3	23.8	0.0
10°	118.3	77.3	22.9	0.0
7.5°	120.2	76.3	22.9	0.0
5°	119.2	76.3	22.9	0.0
2.5°	118.3	75.3	22.9	0.0
0°	117.3	75.3	22.9	0.0
-2.5°	117.3	75.3	22.9	0.0
-5°	117.3	75.3	22.9	0.0
-7.5°	116.4	76.3	22.9	0.0
-10°	114.5	76.3	22.9	0.0
-12.5°	113.5	73.4	22.9	0.0
-15°	112.5	72.5	22.9	0.0
-17.5°	110.6	71.5	21.9	0.0
-20°	108.7	70.6	21.9	0.0



REPORT NUMBER: P722254

CATALOG NUMBER: IFLD-S-SA3A-930-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	106.8	68.7	21.9	0.0
-25°	104.9	66.8	21.0	0.0
-27.5°	103.0	64.9	21.0	0.0
-30°	100.1	62.9	20.0	0.0
-32.5°	97.3	61.0	20.0	0.0
-35°	95.4	58.2	19.1	0.0
-37.5°	92.5	55.3	19.1	0.0
-40°	89.7	52.5	18.1	0.0
-42.5°	86.8	49.6	17.2	0.0
-45°	83.0	46.7	17.2	0.0
-47.5°	80.1	43.9	16.2	0.0
-50°	75.3	40.1	15.3	0.0
-52.5°	69.6	36.2	14.3	0.0
-55°	63.9	33.4	13.4	0.0
-57.5°	58.2	29.6	13.4	0.0
-60°	52.5	25.8	12.4	0.0
-62.5°	46.7	23.8	11.4	0.0
-65°	41.0	21.9	10.5	0.0
-67.5°	34.3	19.1	9.5	0.0
-70°	28.6	17.2	8.6	0.0
-72.5°	24.8	15.3	7.6	0.0
-75°	21.0	13.4	6.7	0.0
-77.5°	18.1	11.4	5.7	0.0
-80°	14.3	8.6	3.8	0.0
-82.5°	10.5	6.7	2.9	0.0
-85°	6.7	4.8	1.9	0.0
-87.5°	3.8	1.9	1.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)