

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: P722257

Luminaire Tested: **IFLD-S-SA3D-930-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722257
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-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

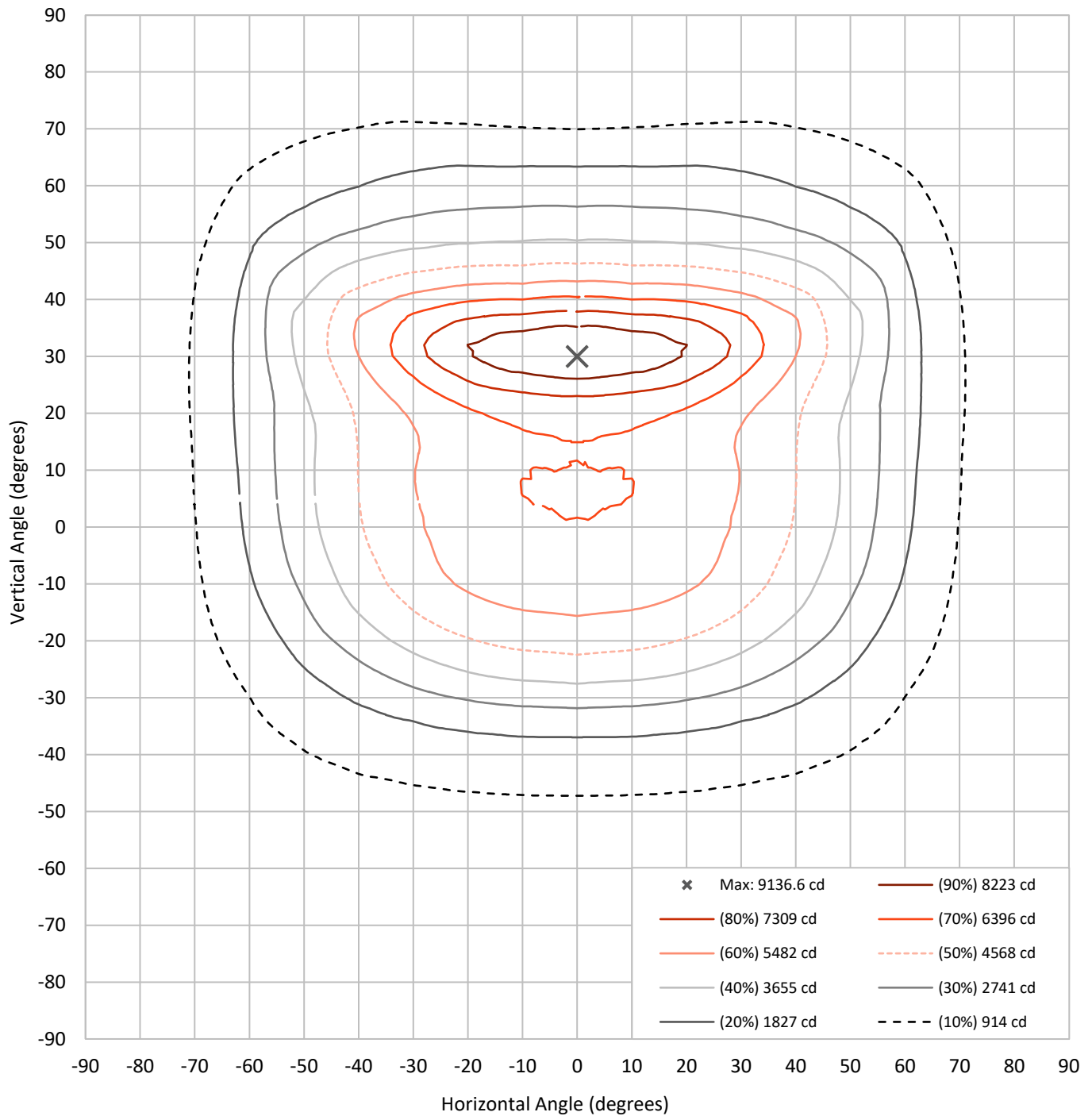
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	15251.4 lumens	Max Intensity:	9136.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	82.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8868.8 lumens	Field Lumens:	14292.5 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 184.1
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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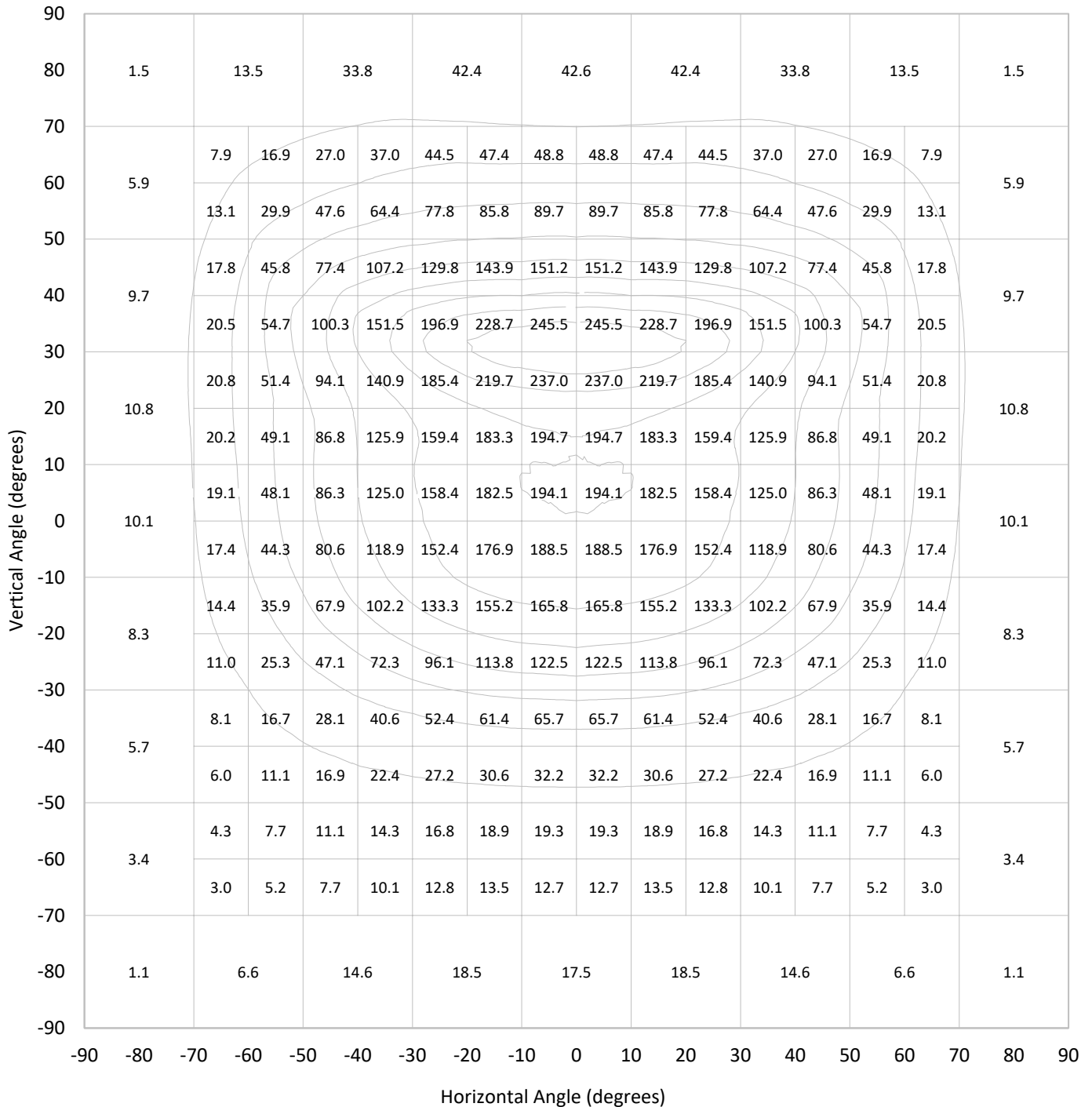
Iso-Candela Plot





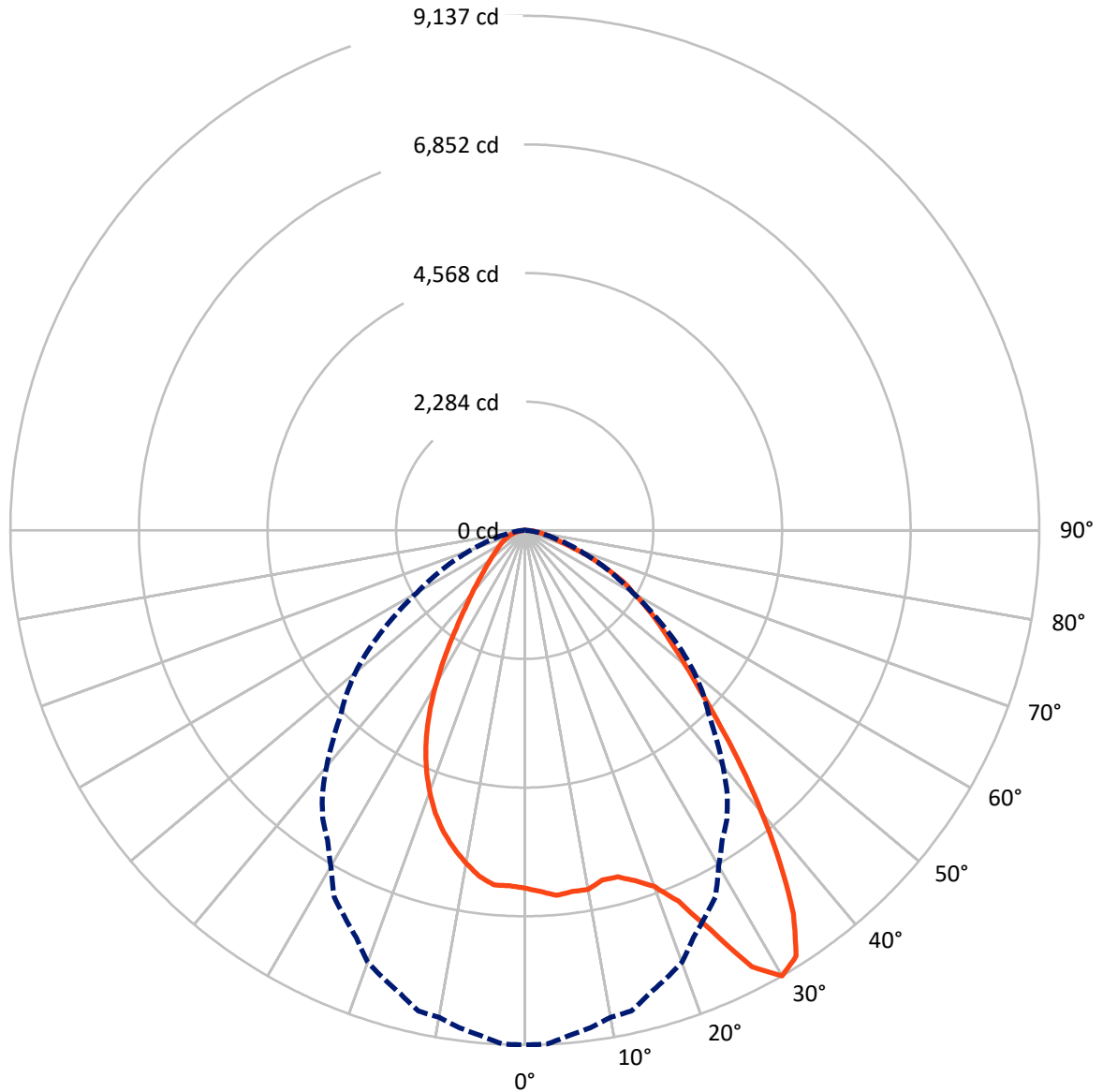
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Lumen Table



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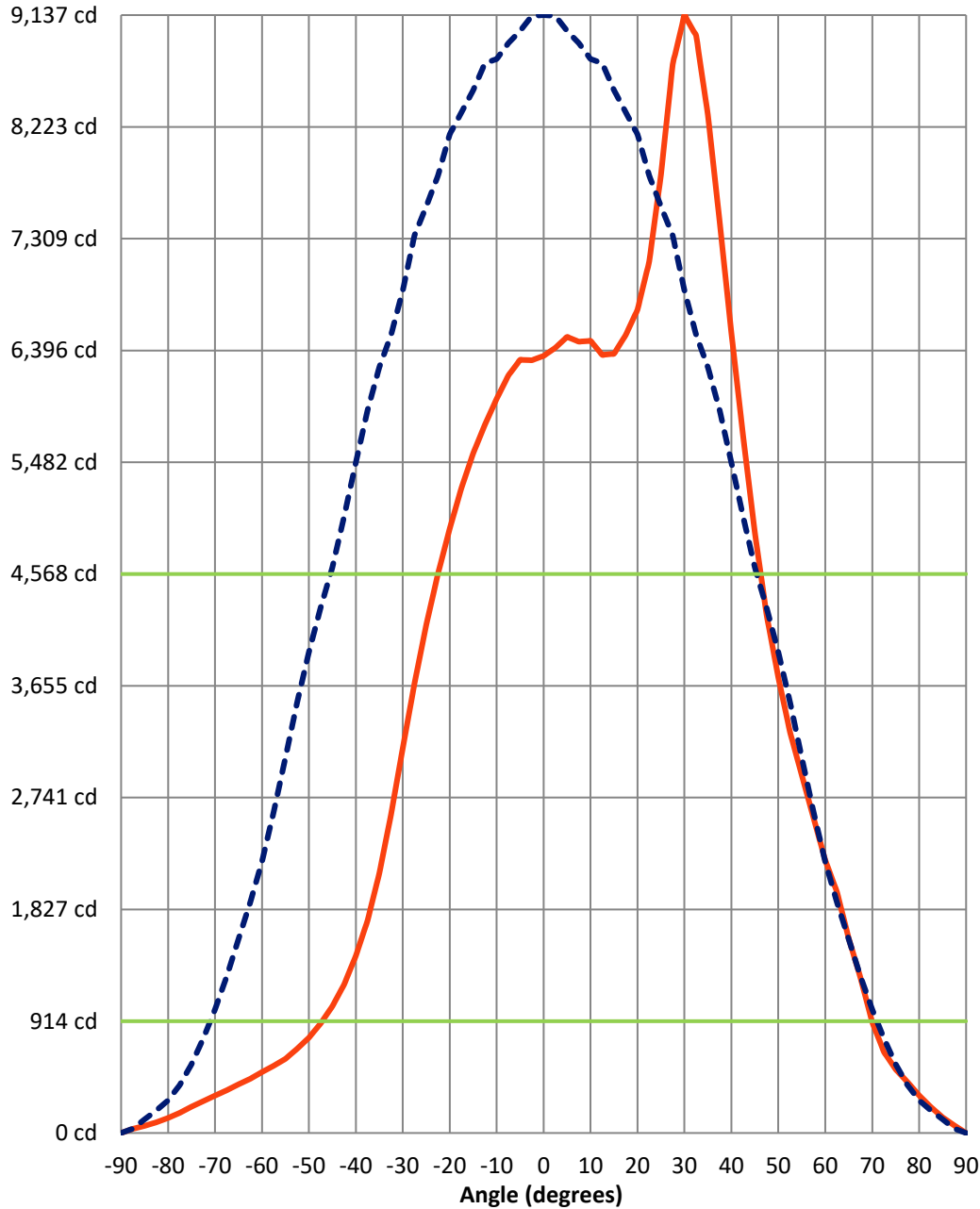
Luminous Intensity Polar Plot



— 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: 8868.8
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 14292.5
 Efficiency: 93.7%

Spill:
 Lumens: 958.9
 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°	61.4	63.0	64.6	64.6	63.0	63.0	63.0	61.4	63.0	63.0	63.0
85°	127.6	130.9	134.1	132.5	130.9	127.6	124.4	126.0	127.6	129.3	129.3
82.5°	211.7	216.5	219.7	218.1	214.9	211.7	208.4	210.0	213.3	214.9	214.9
80°	307.0	308.6	310.2	313.4	308.6	308.6	307.0	313.4	316.7	319.9	323.1
77.5°	416.8	418.5	418.5	420.1	421.7	423.3	423.3	434.6	442.7	447.5	452.4
75°	520.2	525.1	529.9	534.8	541.3	544.5	549.3	565.5	578.4	588.1	597.8
72.5°	662.4	668.9	677.0	688.3	699.6	707.7	719.0	738.4	752.9	762.6	773.9
70°	906.4	912.9	920.9	929.0	940.3	948.4	959.7	983.9	998.5	1005.0	1011.4
67.5°	1268.3	1284.5	1299.0	1282.8	1274.8	1263.5	1266.7	1289.3	1303.9	1313.5	1311.9
65°	1589.8	1601.1	1601.1	1599.5	1593.1	1578.5	1586.6	1614.1	1630.2	1638.3	1614.1
62.5°	1967.9	1967.9	1959.8	1972.7	1974.4	1964.7	1959.8	1961.4	1963.0	1967.9	1927.5
60°	2229.6	2245.8	2250.6	2261.9	2265.2	2265.2	2273.3	2279.7	2279.7	2270.0	2223.2
57.5°	2575.4	2606.1	2612.5	2604.5	2588.3	2567.3	2564.1	2554.4	2535.0	2515.6	2493.0
55°	2924.4	2940.5	2938.9	2934.1	2917.9	2893.7	2896.9	2884.0	2853.3	2829.0	2798.4
52.5°	3275.0	3313.8	3320.2	3310.5	3287.9	3262.1	3263.7	3249.1	3218.4	3192.6	3150.6
50°	3722.5	3754.8	3751.6	3735.4	3703.1	3683.7	3685.4	3657.9	3622.3	3614.3	3559.3
47.5°	4234.7	4271.8	4265.4	4242.8	4199.1	4191.1	4199.1	4163.6	4142.6	4124.8	4060.2
45°	4906.8	4950.4	4926.2	4882.6	4813.1	4821.2	4832.5	4826.0	4780.8	4733.9	4651.5
42.5°	5695.3	5722.7	5693.6	5650.0	5562.8	5578.9	5572.5	5533.7	5506.2	5428.7	5323.7
40°	6538.6	6598.4	6553.2	6485.3	6394.8	6419.1	6401.3	6351.2	6286.6	6189.7	6057.2
37.5°	7448.3	7495.1	7443.4	7364.3	7283.5	7275.4	7239.8	7162.3	7070.2	6963.6	6751.9
35°	8319.1	8440.3	8345.0	8218.9	8120.4	8083.2	8049.3	7870.0	7764.9	7592.1	7302.9
32.5°	8967.0	9055.9	8937.9	8807.1	8687.5	8635.8	8516.2	8303.0	8246.4	7882.9	7617.9
30°	9136.6	9130.2	9007.4	8907.2	8778.0	8742.4	8522.7	8341.7	8160.8	7824.7	7572.7
27.5°	8732.7	8692.3	8574.4	8487.1	8359.5	8317.5	8101.0	8004.1	7724.5	7440.2	7226.9
25°	7832.8	7853.8	7764.9	7721.3	7637.3	7546.8	7461.2	7330.3	7155.8	6907.0	6711.5
22.5°	7123.5	7151.0	7113.8	7062.1	6997.5	6947.4	6882.8	6781.0	6613.0	6459.5	6275.3
20°	6729.3	6721.2	6688.9	6650.1	6588.7	6553.2	6482.1	6396.5	6267.2	6134.7	5936.0
17.5°	6522.5	6472.4	6441.7	6427.2	6394.8	6349.6	6265.6	6178.3	6078.2	5927.9	5782.5
15°	6369.0	6377.1	6352.8	6341.5	6315.7	6252.7	6167.0	6095.9	5960.2	5884.3	5751.8
12.5°	6359.3	6351.2	6352.8	6348.0	6315.7	6234.9	6191.3	6100.8	6013.5	5913.4	5761.5
10°	6474.0	6388.4	6394.8	6417.5	6365.8	6301.1	6254.3	6155.7	6073.3	5945.7	5795.4
7.5°	6467.6	6423.9	6436.9	6399.7	6415.9	6336.7	6272.1	6173.5	6070.1	5934.4	5798.7
5°	6506.3	6440.1	6428.8	6432.0	6391.6	6331.8	6244.6	6150.9	6053.9	5902.1	5763.1
2.5°	6417.5	6427.2	6375.5	6356.1	6351.2	6251.1	6170.3	6079.8	5979.6	5845.5	5721.1
0°	6351.2	6369.0	6315.7	6288.2	6286.6	6201.0	6149.3	6045.9	5974.8	5863.3	5713.0
-2.5°	6315.7	6336.7	6343.1	6293.1	6244.6	6178.3	6091.1	5979.6	5863.3	5734.0	5604.8
-5°	6318.9	6276.9	6259.1	6275.3	6233.3	6167.0	6070.1	5971.5	5856.8	5717.9	5556.3
-7.5°	6191.3	6149.3	6146.0	6138.0	6128.3	6065.2	5984.5	5877.8	5761.5	5632.2	5482.0
-10°	6000.6	5969.9	5961.8	5953.8	5927.9	5890.8	5814.8	5717.9	5612.9	5483.6	5323.7
-12.5°	5789.0	5774.4	5743.7	5722.7	5696.9	5653.3	5580.5	5491.7	5386.7	5272.0	5134.6
-15°	5554.7	5527.2	5496.5	5478.8	5441.6	5389.9	5317.2	5234.8	5120.1	5007.0	4877.7
-17.5°	5272.0	5238.0	5204.1	5199.2	5173.4	5094.2	5026.4	4926.2	4826.0	4717.8	4591.8
-20°	4939.1	4892.3	4869.6	4856.7	4821.2	4763.0	4690.3	4598.2	4501.3	4397.9	4252.5



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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°	4570.7	4530.4	4491.6	4467.3	4436.6	4391.4	4321.9	4241.1	4145.8	4029.5	3895.4
-25°	4152.3	4095.7	4071.5	4044.0	4027.9	3985.9	3918.0	3843.7	3745.1	3632.0	3504.4
-27.5°	3674.0	3628.8	3615.9	3577.1	3557.7	3514.1	3457.5	3388.1	3297.6	3191.0	3085.9
-30°	3145.7	3118.3	3097.3	3058.5	3043.9	2997.1	2959.9	2901.8	2819.4	2743.4	2659.4
-32.5°	2602.9	2575.4	2568.9	2551.2	2541.5	2510.8	2468.8	2426.7	2360.5	2304.0	2236.1
-35°	2121.4	2102.0	2103.6	2102.0	2092.3	2069.7	2018.0	2006.7	1958.2	1906.5	1862.9
-37.5°	1736.9	1738.5	1736.9	1735.2	1722.3	1712.6	1675.5	1660.9	1631.8	1581.7	1555.9
-40°	1447.6	1450.9	1449.3	1446.0	1431.5	1426.6	1402.4	1383.0	1371.7	1336.2	1308.7
-42.5°	1213.4	1218.2	1216.6	1215.0	1205.3	1203.7	1190.8	1168.1	1161.7	1140.7	1111.6
-45°	1035.6	1034.0	1030.8	1034.0	1029.2	1024.3	1016.3	1001.7	993.6	983.9	959.7
-47.5°	895.1	896.7	893.5	893.5	887.0	882.2	878.9	869.2	862.8	854.7	840.2
-50°	778.8	785.2	783.6	782.0	777.1	773.9	773.9	764.2	754.5	751.3	741.6
-52.5°	688.3	693.1	694.7	698.0	699.6	701.2	696.4	686.7	670.5	668.9	664.0
-55°	605.9	620.4	630.1	636.6	643.0	647.9	638.2	625.3	609.1	602.6	601.0
-57.5°	549.3	563.9	575.2	584.9	593.0	601.0	591.3	578.4	563.9	555.8	554.2
-60°	497.6	510.6	521.9	534.8	546.1	559.0	554.2	544.5	536.4	529.9	523.5
-62.5°	442.7	455.6	468.5	484.7	499.2	512.2	513.8	512.2	510.6	512.2	500.9
-65°	397.5	403.9	412.0	429.8	445.9	460.5	468.5	473.4	481.5	489.5	478.2
-67.5°	349.0	357.1	366.8	379.7	392.6	402.3	413.6	426.5	439.5	452.4	444.3
-70°	305.4	311.8	319.9	326.4	334.4	340.9	350.6	365.1	379.7	392.6	389.4
-72.5°	260.1	266.6	271.4	274.7	279.5	282.7	287.6	300.5	310.2	316.7	316.7
-75°	214.9	221.3	226.2	227.8	231.0	232.7	235.9	240.7	245.6	247.2	248.8
-77.5°	164.8	171.3	176.1	179.3	182.6	185.8	187.4	190.6	192.3	192.3	193.9
-80°	122.8	127.6	130.9	135.7	137.3	140.6	143.8	145.4	147.0	147.0	148.6
-82.5°	87.2	90.5	93.7	96.9	100.2	101.8	105.0	106.6	108.3	109.9	111.5
-85°	58.2	61.4	64.6	67.9	69.5	71.1	72.7	74.3	75.9	77.6	79.2
-87.5°	33.9	35.5	37.2	40.4	42.0	45.2	46.9	45.2	46.9	46.9	46.9
-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):

	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°	63.0	63.0	63.0	63.0	61.4	58.2	56.5	53.3	50.1	46.9	43.6
85°	130.9	132.5	132.5	132.5	129.3	127.6	122.8	117.9	111.5	101.8	93.7
82.5°	218.1	219.7	219.7	218.1	214.9	210.0	203.6	195.5	182.6	169.6	158.3
80°	328.0	329.6	329.6	328.0	319.9	311.8	303.7	294.1	277.9	260.1	240.7
77.5°	458.9	462.1	462.1	457.2	445.9	436.2	423.3	407.2	382.9	357.1	331.2
75°	610.7	618.8	620.4	615.6	601.0	583.3	562.3	534.8	497.6	465.3	434.6
72.5°	786.8	794.9	801.4	794.9	773.9	749.7	719.0	686.7	649.5	605.9	554.2
70°	1017.9	1026.0	1030.8	1009.8	972.6	932.2	895.1	857.9	814.3	761.0	704.4
67.5°	1308.7	1300.6	1290.9	1248.9	1202.1	1153.6	1101.9	1047.0	990.4	933.9	867.6
65°	1588.2	1565.6	1544.6	1494.5	1434.7	1371.7	1311.9	1250.5	1182.7	1111.6	1048.6
62.5°	1882.3	1833.8	1782.1	1720.7	1659.3	1589.8	1530.0	1457.3	1381.4	1294.2	1213.4
60°	2171.5	2113.3	2061.6	1985.7	1904.9	1811.2	1746.5	1675.5	1586.6	1492.9	1397.6
57.5°	2451.0	2388.0	2331.4	2265.2	2177.9	2076.1	2005.1	1913.0	1819.3	1701.3	1604.4
55°	2748.3	2685.3	2640.0	2565.7	2470.4	2376.7	2299.1	2202.2	2071.3	1945.3	1825.7
52.5°	3089.2	3039.1	2990.6	2914.7	2800.0	2704.6	2619.0	2510.8	2373.4	2218.3	2074.5
50°	3470.5	3444.6	3392.9	3304.1	3173.2	3089.2	2976.1	2832.3	2685.3	2522.1	2342.7
47.5°	3976.2	3934.2	3861.5	3764.5	3654.7	3528.6	3376.8	3208.7	3000.3	2819.4	2628.7
45°	4580.4	4502.9	4409.2	4278.3	4142.6	4000.4	3834.0	3620.7	3341.2	3105.3	2905.0
42.5°	5234.8	5129.8	5002.1	4830.9	4654.8	4480.3	4300.9	4010.1	3661.1	3389.7	3163.5
40°	5918.2	5784.1	5624.2	5375.4	5179.9	4955.3	4750.1	4315.5	3943.9	3649.8	3409.1
37.5°	6587.1	6417.5	6149.3	5847.1	5619.3	5435.1	4984.4	4519.0	4186.2	3863.1	3619.1
35°	7099.3	6955.5	6482.1	6168.7	5973.2	5682.3	5118.5	4641.8	4289.6	4021.4	3641.7
32.5°	7403.0	7031.4	6616.2	6299.5	6138.0	5661.3	5128.2	4677.4	4338.1	4037.6	3583.6
30°	7335.2	6886.0	6522.5	6257.5	5906.9	5478.8	5037.7	4622.4	4292.9	3929.3	3518.9
27.5°	6926.4	6579.0	6254.3	5978.0	5633.9	5249.3	4842.2	4477.0	4170.1	3817.8	3430.1
25°	6464.3	6149.3	5908.5	5667.8	5341.4	4974.7	4616.0	4352.6	4044.0	3696.7	3313.8
22.5°	6039.4	5813.2	5624.2	5372.1	5053.8	4733.9	4511.0	4237.9	3921.2	3569.0	3194.2
20°	5768.0	5614.5	5398.0	5120.1	4869.6	4669.3	4422.1	4132.9	3806.5	3438.2	3092.4
17.5°	5637.1	5459.4	5218.6	5037.7	4845.4	4625.7	4349.4	4042.4	3695.1	3378.4	3103.7
15°	5569.2	5381.8	5223.5	5045.8	4829.3	4598.2	4291.2	3972.9	3695.1	3402.6	3111.8
12.5°	5583.8	5422.2	5249.3	5055.5	4822.8	4575.6	4297.7	4002.0	3714.4	3420.4	3113.4
10°	5629.0	5459.4	5275.2	5060.3	4826.0	4582.1	4315.5	4019.8	3724.1	3428.5	3110.2
7.5°	5645.2	5461.0	5263.9	5047.4	4817.9	4578.8	4318.7	4024.6	3725.7	3426.8	3100.5
5°	5595.1	5428.7	5238.0	5019.9	4795.3	4562.7	4305.8	4018.2	3712.8	3410.7	3076.2
2.5°	5527.2	5393.1	5210.6	5000.5	4772.7	4540.1	4284.8	3989.1	3683.7	3381.6	3045.5
0°	5515.9	5349.5	5165.3	4977.9	4735.5	4490.0	4236.3	3934.2	3630.4	3326.7	2992.2
-2.5°	5441.6	5265.5	5081.3	4877.7	4664.5	4417.3	4150.7	3855.0	3554.5	3255.6	2934.1
-5°	5385.0	5189.6	4994.1	4774.3	4559.4	4312.2	4036.0	3748.4	3454.3	3163.5	2853.3
-7.5°	5309.1	5108.8	4903.6	4674.2	4441.5	4189.4	3916.4	3628.8	3339.6	3050.4	2753.1
-10°	5155.6	4979.5	4787.2	4549.7	4304.2	4052.1	3780.7	3497.9	3208.7	2916.3	2617.4
-12.5°	4969.8	4784.0	4574.0	4355.9	4136.1	3901.9	3630.4	3352.5	3061.7	2767.7	2470.4
-15°	4729.1	4546.5	4331.6	4118.4	3906.7	3682.1	3443.0	3192.6	2896.9	2607.7	2310.4
-17.5°	4428.6	4257.3	4065.0	3861.5	3651.4	3425.2	3192.6	2980.9	2704.6	2433.2	2139.2
-20°	4105.4	3945.5	3772.6	3580.3	3370.3	3149.0	2929.2	2707.9	2468.8	2229.6	1956.6



REPORT NUMBER: P722257

CATALOG NUMBER: IFLD-S-SA3D-930-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	3769.4	3607.8	3433.3	3254.0	3060.1	2854.9	2651.3	2439.7	2229.6	2013.1	1782.1
-25°	3381.6	3239.4	3079.5	2905.0	2732.1	2552.8	2358.9	2166.6	1987.3	1799.9	1610.8
-27.5°	2976.1	2845.2	2699.8	2547.9	2399.3	2249.0	2081.0	1903.3	1754.6	1599.5	1442.8
-30°	2549.5	2444.5	2326.6	2194.1	2079.4	1958.2	1817.6	1670.6	1534.9	1416.9	1290.9
-32.5°	2145.6	2056.8	1972.7	1885.5	1772.4	1678.7	1581.7	1473.5	1353.9	1242.5	1152.0
-35°	1798.2	1702.9	1667.4	1602.8	1522.0	1439.6	1368.5	1290.9	1200.4	1101.9	1027.6
-37.5°	1505.8	1449.3	1399.2	1363.6	1310.3	1244.1	1187.5	1131.0	1061.5	987.2	912.9
-40°	1278.0	1239.2	1184.3	1166.5	1132.6	1087.4	1029.2	985.6	938.7	882.2	819.1
-42.5°	1095.4	1066.3	1030.8	1000.1	985.6	953.2	908.0	866.0	828.8	790.1	741.6
-45°	945.2	925.8	903.2	875.7	864.4	838.5	806.2	759.4	738.4	706.1	670.5
-47.5°	824.0	814.3	798.1	780.4	764.2	744.8	715.7	686.7	657.6	636.6	609.1
-50°	728.7	722.2	712.5	698.0	677.0	664.0	644.7	618.8	591.3	573.6	554.2
-52.5°	652.7	646.3	639.8	628.5	612.3	599.4	583.3	562.3	539.6	521.9	505.7
-55°	594.6	584.9	580.0	570.3	557.4	542.9	528.3	513.8	494.4	478.2	462.1
-57.5°	549.3	536.4	529.9	521.9	508.9	494.4	483.1	468.5	455.6	437.8	423.3
-60°	513.8	499.2	486.3	478.2	466.9	452.4	441.1	429.8	416.8	402.3	384.5
-62.5°	484.7	466.9	449.2	439.5	428.2	415.2	403.9	392.6	379.7	365.1	349.0
-65°	457.2	436.2	413.6	403.9	392.6	379.7	365.1	357.1	345.8	332.8	316.7
-67.5°	423.3	400.7	381.3	370.0	358.7	347.4	334.4	326.4	315.1	298.9	282.7
-70°	373.2	358.7	345.8	336.1	326.4	316.7	303.7	290.8	277.9	263.4	248.8
-72.5°	310.2	305.4	303.7	298.9	287.6	276.3	263.4	250.4	239.1	227.8	216.5
-75°	250.4	253.7	256.9	255.3	244.0	232.7	221.3	210.0	202.0	192.3	182.6
-77.5°	198.7	202.0	205.2	205.2	197.1	190.6	182.6	174.5	168.0	160.0	150.3
-80°	153.5	158.3	163.2	166.4	160.0	155.1	148.6	142.2	135.7	129.3	122.8
-82.5°	116.3	121.2	126.0	129.3	124.4	121.2	116.3	111.5	106.6	100.2	95.3
-85°	84.0	87.2	90.5	92.1	88.9	85.6	82.4	79.2	75.9	71.1	67.9
-87.5°	48.5	50.1	51.7	53.3	50.1	46.9	45.2	42.0	40.4	37.2	35.5
-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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 CATALOG NUMBER: IFLD-S-SA3D-930-U-76

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°	40.4	37.2	33.9	32.3	29.1	24.2	21.0	17.8	14.5	11.3	9.7
85°	85.6	77.6	67.9	63.0	56.5	50.1	43.6	37.2	30.7	24.2	17.8
82.5°	147.0	137.3	127.6	116.3	101.8	84.0	66.2	54.9	45.2	35.5	27.5
80°	221.3	203.6	187.4	172.9	156.7	134.1	109.9	87.2	61.4	46.9	35.5
77.5°	307.0	286.0	263.4	239.1	213.3	182.6	155.1	126.0	95.3	64.6	45.2
75°	403.9	376.5	345.8	311.8	277.9	237.5	198.7	164.8	129.3	90.5	54.9
72.5°	512.2	478.2	441.1	395.8	342.5	295.7	248.8	203.6	161.6	114.7	74.3
70°	651.1	597.8	542.9	494.4	426.5	352.2	297.3	245.6	192.3	140.6	93.7
67.5°	799.8	735.1	668.9	597.8	512.2	424.9	345.8	287.6	224.6	164.8	111.5
65°	961.3	880.5	796.5	717.4	599.4	496.0	407.2	328.0	255.3	187.4	129.3
62.5°	1127.7	1032.4	935.5	832.1	696.4	568.7	465.3	373.2	284.4	208.4	145.4
60°	1305.5	1194.0	1076.0	946.8	788.4	647.9	520.2	420.1	315.1	229.4	163.2
57.5°	1492.9	1371.7	1232.8	1058.3	883.8	723.8	583.3	462.1	342.5	248.8	176.1
55°	1696.5	1557.5	1405.6	1174.6	977.5	799.8	646.3	504.1	371.6	265.0	189.0
52.5°	1916.2	1754.6	1562.4	1297.4	1076.0	877.3	704.4	541.3	399.1	282.7	200.3
50°	2161.8	1958.2	1699.7	1410.5	1161.7	950.0	762.6	581.6	421.7	302.1	210.0
47.5°	2417.1	2197.3	1822.5	1515.5	1248.9	1021.1	822.4	617.2	444.3	318.3	219.7
45°	2683.6	2363.7	1950.1	1609.2	1324.9	1085.7	867.6	649.5	471.8	332.8	227.8
42.5°	2947.0	2489.8	2061.6	1702.9	1395.9	1143.9	904.8	680.2	494.4	347.4	235.9
40°	3071.4	2585.1	2150.5	1767.5	1455.7	1195.6	937.1	707.7	513.8	357.1	244.0
37.5°	3123.1	2643.2	2208.6	1828.9	1502.6	1223.1	964.6	731.9	529.9	366.8	250.4
35°	3134.4	2664.2	2237.7	1871.0	1541.4	1248.9	985.6	749.7	542.9	376.5	256.9
32.5°	3113.4	2657.8	2245.8	1885.5	1565.6	1268.3	1000.1	762.6	552.6	386.1	263.4
30°	3066.6	2623.9	2216.7	1883.9	1583.4	1279.6	1009.8	772.3	562.3	392.6	266.6
27.5°	2990.6	2564.1	2179.5	1885.5	1593.1	1284.5	1014.6	777.1	568.7	397.5	273.0
25°	2896.9	2483.3	2181.2	1882.3	1594.7	1286.1	1014.6	777.1	570.3	399.1	277.9
22.5°	2788.7	2483.3	2181.2	1877.4	1585.0	1282.8	1009.8	773.9	570.3	402.3	282.7
20°	2795.1	2484.9	2176.3	1867.7	1570.4	1273.2	998.5	765.8	565.5	407.2	286.0
17.5°	2800.0	2481.7	2166.6	1854.8	1551.0	1257.0	983.9	754.5	565.5	412.0	287.6
15°	2800.0	2472.0	2152.1	1835.4	1526.8	1234.4	962.9	744.8	567.1	413.6	290.8
12.5°	2795.1	2454.2	2129.5	1809.6	1497.7	1206.9	950.0	741.6	567.1	415.2	290.8
10°	2785.4	2430.0	2100.4	1777.2	1470.3	1197.2	943.6	735.1	563.9	415.2	290.8
7.5°	2767.7	2400.9	2076.1	1757.9	1454.1	1185.9	933.9	725.4	559.0	412.0	294.1
5°	2740.2	2384.7	2056.8	1735.2	1431.5	1177.8	927.4	717.4	555.8	412.0	290.8
2.5°	2704.6	2365.3	2034.1	1706.2	1405.6	1150.4	906.4	699.6	544.5	405.5	287.6
0°	2646.5	2326.6	1995.4	1665.8	1370.1	1122.9	885.4	681.8	533.2	399.1	284.4
-2.5°	2593.2	2274.9	1945.3	1623.8	1336.2	1098.7	869.2	672.1	528.3	397.5	282.7
-5°	2518.8	2203.8	1879.0	1568.8	1290.9	1074.4	853.1	660.8	523.5	394.2	282.7
-7.5°	2436.4	2129.5	1809.6	1512.3	1245.7	1032.4	822.4	643.0	512.2	387.8	281.1
-10°	2308.8	2018.0	1722.3	1447.6	1197.2	995.3	796.5	626.9	502.5	381.3	274.7
-12.5°	2173.1	1895.2	1622.1	1368.5	1142.3	956.5	767.4	609.1	491.2	374.8	271.4
-15°	2029.3	1769.2	1517.1	1286.1	1082.5	909.6	736.7	589.7	479.9	366.8	266.6
-17.5°	1879.0	1636.7	1408.9	1202.1	1022.7	861.2	704.4	571.9	466.9	358.7	261.7
-20°	1720.7	1501.0	1299.0	1116.4	959.7	812.7	670.5	550.9	452.4	349.0	255.3



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CATALOG NUMBER: IFLD-S-SA3D-930-U-76

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1564.0	1366.9	1185.9	1032.4	895.1	762.6	636.6	529.9	436.2	337.7	250.4
-25°	1425.0	1240.8	1085.7	951.6	832.1	714.1	601.0	508.9	418.5	326.4	244.0
-27.5°	1289.3	1132.6	987.2	875.7	770.7	667.3	567.1	486.3	400.7	313.4	237.5
-30°	1163.3	1029.2	909.6	801.4	712.5	625.3	538.0	463.7	381.3	300.5	229.4
-32.5°	1048.6	940.3	840.2	736.7	657.6	583.3	510.6	441.1	361.9	287.6	221.3
-35°	941.9	857.9	770.7	683.4	602.6	544.5	481.5	416.8	344.1	273.0	213.3
-37.5°	846.6	778.8	709.3	635.0	565.5	507.3	454.0	392.6	326.4	260.1	205.2
-40°	764.2	709.3	647.9	588.1	529.9	475.0	426.5	368.4	308.6	250.4	197.1
-42.5°	688.3	646.3	596.2	546.1	494.4	445.9	399.1	342.5	290.8	239.1	189.0
-45°	630.1	588.1	547.7	502.5	458.9	416.8	370.0	319.9	274.7	226.2	181.0
-47.5°	575.2	538.0	500.9	463.7	428.2	389.4	342.5	300.5	256.9	214.9	174.5
-50°	526.7	491.2	458.9	426.5	395.8	358.7	315.1	281.1	242.4	203.6	166.4
-52.5°	481.5	450.8	418.5	392.6	366.8	329.6	294.1	261.7	227.8	190.6	158.3
-55°	441.1	412.0	382.9	358.7	334.4	302.1	273.0	245.6	213.3	181.0	150.3
-57.5°	402.3	378.1	350.6	328.0	303.7	277.9	253.7	227.8	198.7	171.3	142.2
-60°	366.8	344.1	319.9	297.3	276.3	255.3	232.7	211.7	185.8	160.0	134.1
-62.5°	331.2	311.8	290.8	268.2	252.0	232.7	214.9	193.9	172.9	150.3	119.6
-65°	298.9	281.1	261.7	242.4	227.8	213.3	197.1	177.7	160.0	138.9	106.6
-67.5°	266.6	250.4	234.3	218.1	205.2	193.9	177.7	163.2	148.6	126.0	93.7
-70°	235.9	223.0	208.4	195.5	185.8	172.9	161.6	148.6	135.7	109.9	79.2
-72.5°	206.8	193.9	182.6	172.9	164.8	153.5	143.8	134.1	116.3	92.1	66.2
-75°	172.9	164.8	158.3	150.3	142.2	134.1	126.0	114.7	96.9	74.3	51.7
-77.5°	142.2	137.3	132.5	126.0	119.6	113.1	103.4	92.1	77.6	58.2	42.0
-80°	116.3	111.5	108.3	101.8	96.9	90.5	80.8	71.1	56.5	45.2	33.9
-82.5°	88.9	85.6	82.4	79.2	74.3	67.9	58.2	50.1	42.0	33.9	25.9
-85°	63.0	61.4	58.2	54.9	50.1	45.2	38.8	33.9	29.1	22.6	17.8
-87.5°	32.3	30.7	29.1	27.5	25.9	22.6	19.4	16.2	14.5	11.3	8.1
-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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 CATALOG NUMBER: IFLD-S-SA3D-930-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	6.5	4.8	1.6	0.0
85°	12.9	8.1	3.2	0.0
82.5°	19.4	12.9	4.8	0.0
80°	25.9	16.2	8.1	0.0
77.5°	32.3	19.4	9.7	0.0
75°	38.8	24.2	11.3	0.0
72.5°	43.6	27.5	12.9	0.0
70°	51.7	32.3	14.5	0.0
67.5°	64.6	35.5	16.2	0.0
65°	75.9	38.8	17.8	0.0
62.5°	88.9	42.0	19.4	0.0
60°	100.2	45.2	21.0	0.0
57.5°	111.5	53.3	22.6	0.0
55°	121.2	59.8	24.2	0.0
52.5°	132.5	66.2	25.9	0.0
50°	142.2	72.7	27.5	0.0
47.5°	150.3	79.2	27.5	0.0
45°	156.7	84.0	29.1	0.0
42.5°	161.6	88.9	30.7	0.0
40°	166.4	93.7	32.3	0.0
37.5°	171.3	98.6	32.3	0.0
35°	176.1	103.4	33.9	0.0
32.5°	181.0	108.3	33.9	0.0
30°	184.2	111.5	35.5	0.0
27.5°	189.0	114.7	35.5	0.0
25°	190.6	117.9	37.2	0.0
22.5°	193.9	119.6	37.2	0.0
20°	197.1	122.8	37.2	0.0
17.5°	198.7	124.4	38.8	0.0
15°	198.7	126.0	40.4	0.0
12.5°	200.3	127.6	40.4	0.0
10°	200.3	130.9	38.8	0.0
7.5°	203.6	129.3	38.8	0.0
5°	202.0	129.3	38.8	0.0
2.5°	200.3	127.6	38.8	0.0
0°	198.7	127.6	38.8	0.0
-2.5°	198.7	127.6	38.8	0.0
-5°	198.7	127.6	38.8	0.0
-7.5°	197.1	129.3	38.8	0.0
-10°	193.9	129.3	38.8	0.0
-12.5°	192.3	124.4	38.8	0.0
-15°	190.6	122.8	38.8	0.0
-17.5°	187.4	121.2	37.2	0.0
-20°	184.2	119.6	37.2	0.0



REPORT NUMBER: P722257

CATALOG NUMBER: IFLD-S-SA3D-930-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	181.0	116.3	37.2	0.0
-25°	177.7	113.1	35.5	0.0
-27.5°	174.5	109.9	35.5	0.0
-30°	169.6	106.6	33.9	0.0
-32.5°	164.8	103.4	33.9	0.0
-35°	161.6	98.6	32.3	0.0
-37.5°	156.7	93.7	32.3	0.0
-40°	151.9	88.9	30.7	0.0
-42.5°	147.0	84.0	29.1	0.0
-45°	140.6	79.2	29.1	0.0
-47.5°	135.7	74.3	27.5	0.0
-50°	127.6	67.9	25.9	0.0
-52.5°	117.9	61.4	24.2	0.0
-55°	108.3	56.5	22.6	0.0
-57.5°	98.6	50.1	22.6	0.0
-60°	88.9	43.6	21.0	0.0
-62.5°	79.2	40.4	19.4	0.0
-65°	69.5	37.2	17.8	0.0
-67.5°	58.2	32.3	16.2	0.0
-70°	48.5	29.1	14.5	0.0
-72.5°	42.0	25.9	12.9	0.0
-75°	35.5	22.6	11.3	0.0
-77.5°	30.7	19.4	9.7	0.0
-80°	24.2	14.5	6.5	0.0
-82.5°	17.8	11.3	4.8	0.0
-85°	11.3	8.1	3.2	0.0
-87.5°	6.5	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)