

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: P722165

Luminaire Tested: **IFLD-S-SA2D-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722165
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

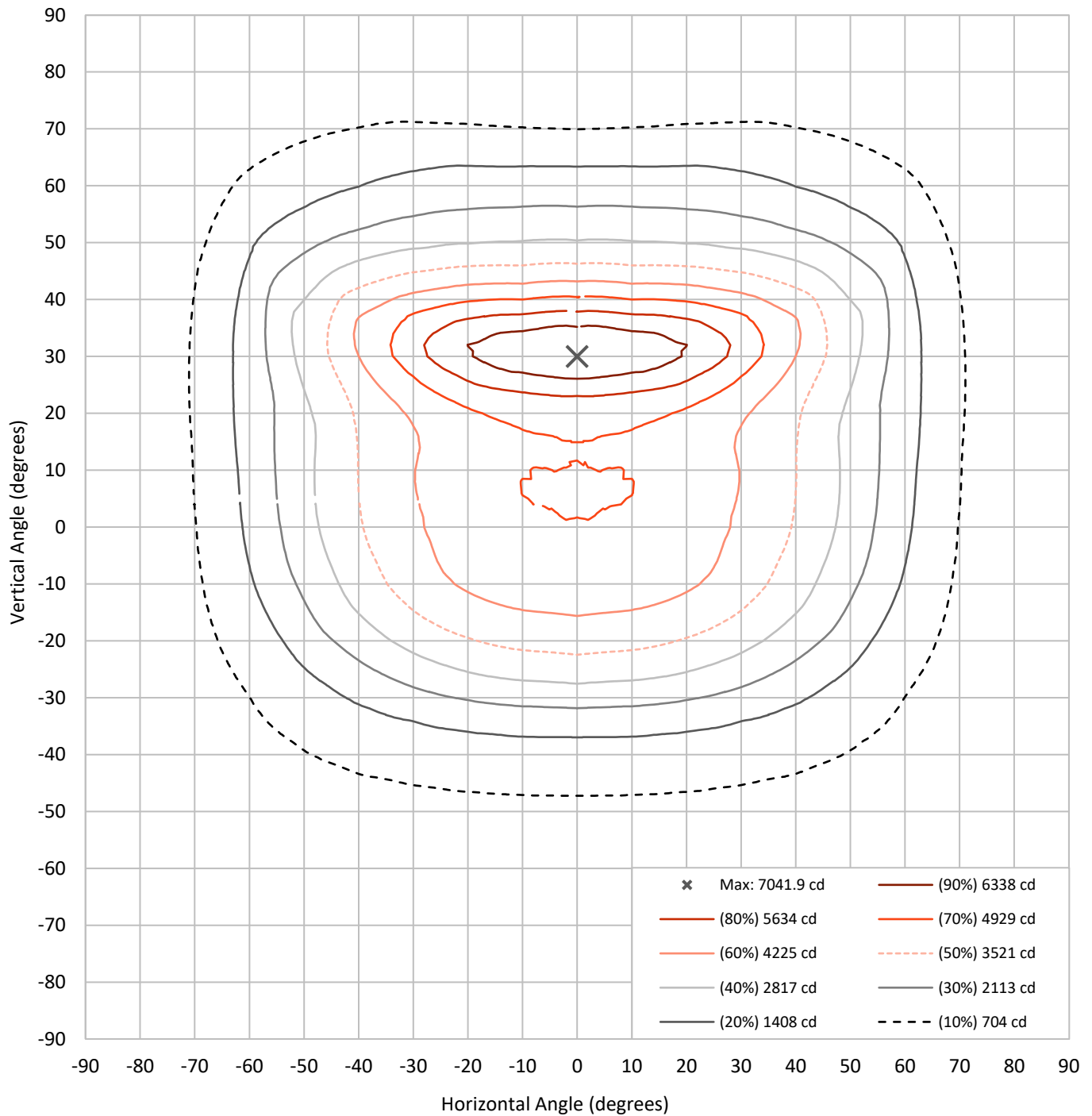
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	11754.7 lumens	Max Intensity:	7041.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	94.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	6835.5 lumens	Field Lumens:	11015.7 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 123.9
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



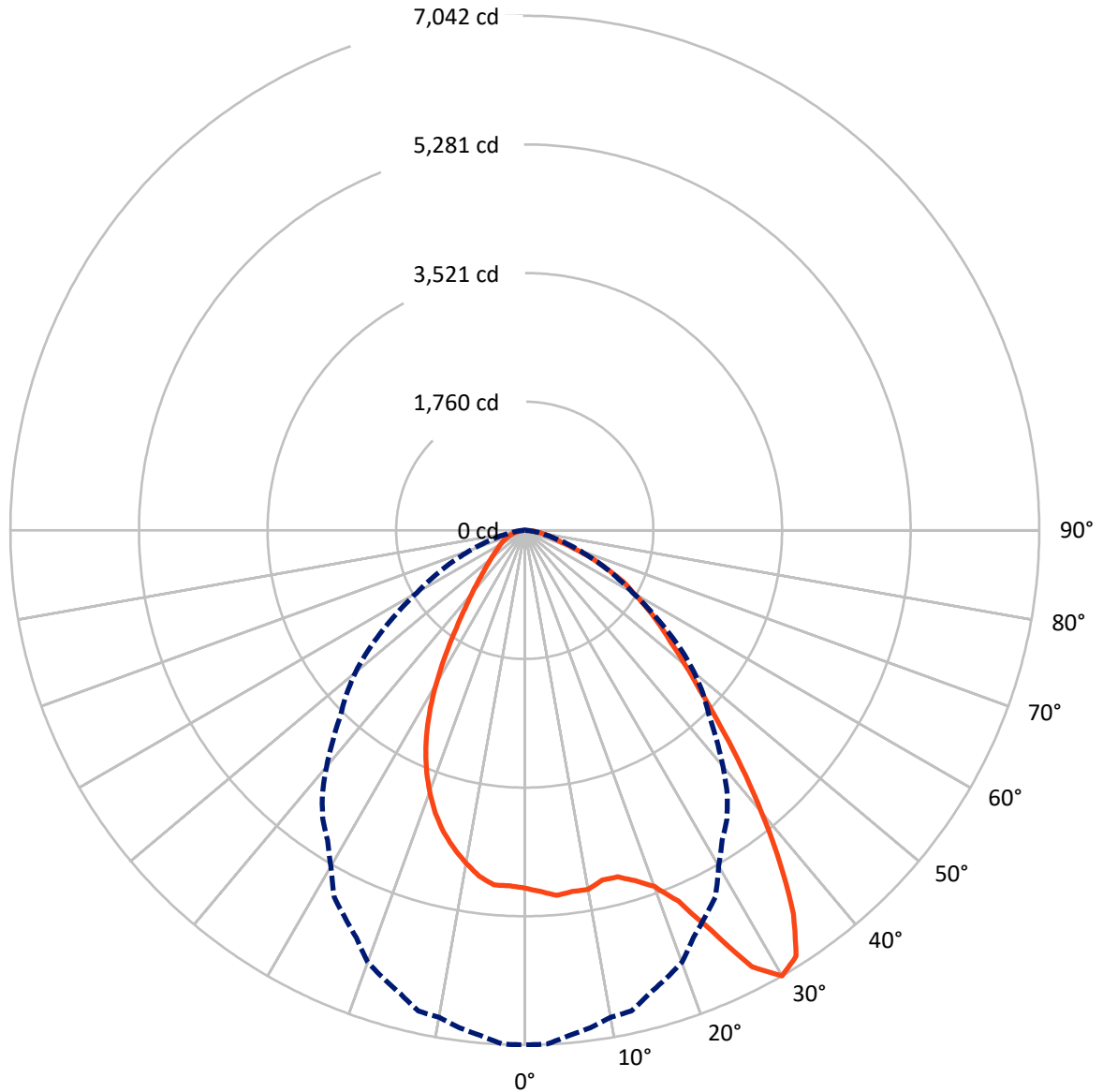
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Iso-Candela Plot



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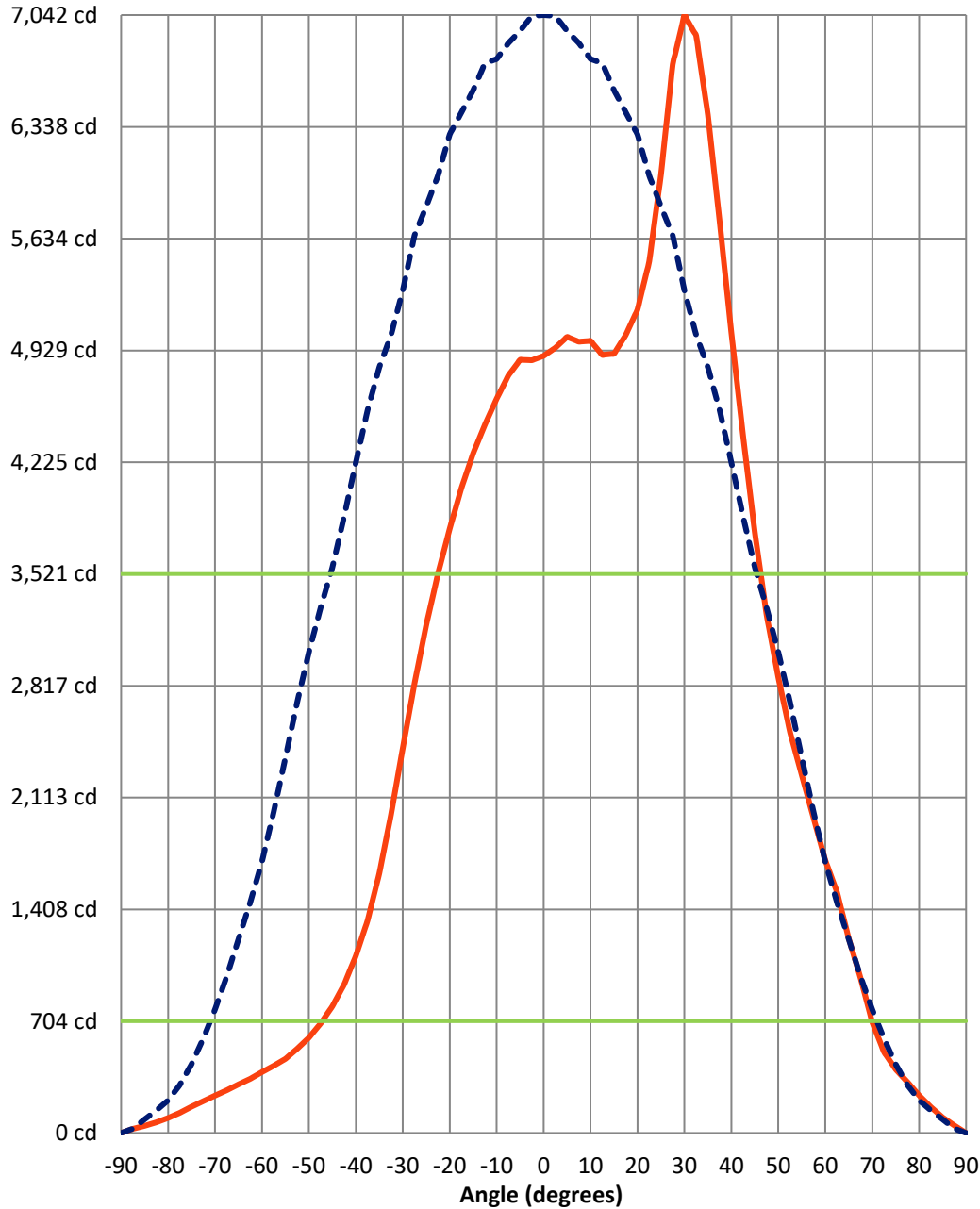
Luminous Intensity Polar Plot



— 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: 6835.5
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 11015.7
 Efficiency: 93.7%

Spill:
 Lumens: 739
 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°	47.3	48.6	49.8	49.8	48.6	48.6	48.6	47.3	48.6	48.6	48.6
85°	98.4	100.9	103.4	102.1	100.9	98.4	95.9	97.1	98.4	99.6	99.6
82.5°	163.1	166.9	169.4	168.1	165.6	163.1	160.6	161.9	164.4	165.6	165.6
80°	236.6	237.8	239.1	241.6	237.8	237.8	236.6	241.6	244.1	246.6	249.1
77.5°	321.3	322.5	322.5	323.8	325.0	326.3	326.3	335.0	341.2	344.9	348.7
75°	401.0	404.7	408.4	412.2	417.2	419.7	423.4	435.8	445.8	453.3	460.7
72.5°	510.6	515.5	521.8	530.5	539.2	545.4	554.1	569.1	580.3	587.8	596.5
70°	698.6	703.6	709.8	716.0	724.7	731.0	739.7	758.4	769.6	774.5	779.5
67.5°	977.5	990.0	1001.2	988.7	982.5	973.8	976.3	993.7	1004.9	1012.4	1011.1
65°	1225.3	1234.0	1234.0	1232.8	1227.8	1216.6	1222.8	1244.0	1256.5	1262.7	1244.0
62.5°	1516.7	1516.7	1510.5	1520.5	1521.7	1514.2	1510.5	1511.7	1513.0	1516.7	1485.6
60°	1718.4	1730.9	1734.6	1743.4	1745.8	1745.8	1752.1	1757.1	1757.1	1749.6	1713.5
57.5°	1984.9	2008.6	2013.6	2007.3	1994.9	1978.7	1976.2	1968.7	1953.8	1938.9	1921.4
55°	2253.9	2266.4	2265.1	2261.4	2248.9	2230.2	2232.7	2222.8	2199.1	2180.4	2156.8
52.5°	2524.1	2554.0	2559.0	2551.5	2534.1	2514.2	2515.4	2504.2	2480.5	2460.6	2428.2
50°	2869.1	2894.0	2891.5	2879.0	2854.1	2839.2	2840.4	2819.3	2791.9	2785.6	2743.3
47.5°	3263.8	3292.4	3287.5	3270.0	3236.4	3230.2	3236.4	3209.0	3192.8	3179.1	3129.3
45°	3781.8	3815.5	3796.8	3763.2	3709.6	3715.8	3724.6	3719.6	3684.7	3648.6	3585.1
42.5°	4389.5	4410.7	4388.3	4354.7	4287.4	4299.9	4294.9	4265.0	4243.8	4184.1	4103.1
40°	5039.5	5085.6	5050.7	4998.4	4928.7	4947.4	4933.7	4895.1	4845.3	4770.6	4668.5
37.5°	5740.6	5776.7	5736.9	5675.9	5613.6	5607.4	5580.0	5520.2	5449.2	5367.0	5203.9
35°	6411.8	6505.2	6431.7	6334.6	6258.6	6230.0	6203.9	6065.6	5984.7	5851.4	5628.5
32.5°	6911.2	6979.6	6888.7	6787.9	6695.7	6655.9	6563.7	6399.4	6355.8	6075.6	5871.4
30°	7041.9	7036.9	6942.3	6865.1	6765.5	6738.1	6568.7	6429.2	6289.8	6030.8	5836.5
27.5°	6730.6	6699.5	6608.6	6541.3	6442.9	6410.6	6243.7	6169.0	5953.6	5734.4	5570.0
25°	6037.0	6053.2	5984.7	5951.1	5886.3	5816.6	5750.6	5649.7	5515.2	5323.5	5172.8
22.5°	5490.3	5511.5	5482.9	5443.0	5393.2	5354.6	5304.8	5226.3	5096.8	4978.5	4836.6
20°	5186.5	5180.3	5155.3	5125.5	5078.1	5050.7	4996.0	4930.0	4830.3	4728.2	4575.1
17.5°	5027.1	4988.5	4964.8	4953.6	4928.7	4893.8	4829.1	4761.8	4684.6	4568.8	4456.8
15°	4908.8	4915.0	4896.3	4887.6	4867.7	4819.1	4753.1	4698.3	4593.7	4535.2	4433.1
12.5°	4901.3	4895.1	4896.3	4892.6	4867.7	4805.4	4771.8	4702.1	4634.8	4557.6	4440.6
10°	4989.7	4923.7	4928.7	4946.1	4906.3	4856.5	4820.4	4744.4	4680.9	4582.5	4466.7
7.5°	4984.7	4951.1	4961.1	4932.4	4944.9	4883.9	4834.1	4758.1	4678.4	4573.8	4469.2
5°	5014.6	4963.6	4954.9	4957.4	4926.2	4880.1	4812.9	4740.7	4666.0	4548.9	4441.8
2.5°	4946.1	4953.6	4913.8	4898.8	4895.1	4817.9	4755.6	4685.9	4608.7	4505.3	4409.4
0°	4895.1	4908.8	4867.7	4846.5	4845.3	4779.3	4739.4	4659.7	4604.9	4519.0	4403.2
-2.5°	4867.7	4883.9	4888.9	4850.3	4812.9	4761.8	4694.6	4608.7	4519.0	4419.4	4319.8
-5°	4870.2	4837.8	4824.1	4836.6	4804.2	4753.1	4678.4	4602.5	4514.0	4407.0	4282.4
-7.5°	4771.8	4739.4	4736.9	4730.7	4723.2	4674.7	4612.4	4530.2	4440.6	4341.0	4225.1
-10°	4624.9	4601.2	4595.0	4588.8	4568.8	4540.2	4481.7	4407.0	4326.0	4226.4	4103.1
-12.5°	4461.7	4450.5	4426.9	4410.7	4390.8	4357.1	4301.1	4232.6	4151.7	4063.3	3957.4
-15°	4281.2	4260.0	4236.4	4222.7	4194.0	4154.2	4098.1	4034.6	3946.2	3859.0	3759.4
-17.5°	4063.3	4037.1	4011.0	4007.2	3987.3	3926.3	3874.0	3796.8	3719.6	3636.1	3539.0
-20°	3806.7	3770.6	3753.2	3743.2	3715.8	3671.0	3615.0	3544.0	3469.3	3389.6	3277.5



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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°	3522.8	3491.7	3461.8	3443.1	3419.5	3384.6	3331.1	3268.8	3195.3	3105.7	3002.3
-25°	3200.3	3156.7	3138.0	3116.9	3104.4	3072.0	3019.7	2962.5	2886.5	2799.3	2701.0
-27.5°	2831.7	2796.8	2786.9	2757.0	2742.0	2708.4	2664.8	2611.3	2541.6	2459.4	2378.4
-30°	2424.5	2403.3	2387.2	2357.3	2346.1	2309.9	2281.3	2236.5	2173.0	2114.4	2049.7
-32.5°	2006.1	1984.9	1980.0	1966.3	1958.8	1935.1	1902.7	1870.4	1819.3	1775.7	1723.4
-35°	1635.0	1620.1	1621.3	1620.1	1612.6	1595.2	1555.3	1546.6	1509.2	1469.4	1435.8
-37.5°	1338.6	1339.9	1338.6	1337.4	1327.4	1320.0	1291.3	1280.1	1257.7	1219.1	1199.2
-40°	1115.7	1118.2	1117.0	1114.5	1103.3	1099.6	1080.9	1065.9	1057.2	1029.8	1008.7
-42.5°	935.2	938.9	937.7	936.4	929.0	927.7	917.8	900.3	895.3	879.1	856.7
-45°	798.2	797.0	794.5	797.0	793.2	789.5	783.3	772.1	765.8	758.4	739.7
-47.5°	689.9	691.1	688.6	688.6	683.6	679.9	677.4	669.9	665.0	658.7	647.5
-50°	600.2	605.2	603.9	602.7	599.0	596.5	596.5	589.0	581.5	579.0	571.6
-52.5°	530.5	534.2	535.5	537.9	539.2	540.4	536.7	529.2	516.8	515.5	511.8
-55°	467.0	478.2	485.6	490.6	495.6	499.3	491.9	481.9	469.5	464.5	463.2
-57.5°	423.4	434.6	443.3	450.8	457.0	463.2	455.8	445.8	434.6	428.4	427.1
-60°	383.5	393.5	402.2	412.2	420.9	430.9	427.1	419.7	413.4	408.4	403.5
-62.5°	341.2	351.2	361.1	373.6	384.8	394.7	396.0	394.7	393.5	394.7	386.0
-65°	306.3	311.3	317.5	331.2	343.7	354.9	361.1	364.9	371.1	377.3	368.6
-67.5°	269.0	275.2	282.7	292.6	302.6	310.1	318.8	328.7	338.7	348.7	342.4
-70°	235.4	240.3	246.6	251.5	257.8	262.7	270.2	281.4	292.6	302.6	300.1
-72.5°	200.5	205.5	209.2	211.7	215.4	217.9	221.7	231.6	239.1	244.1	244.1
-75°	165.6	170.6	174.3	175.6	178.1	179.3	181.8	185.5	189.3	190.5	191.8
-77.5°	127.0	132.0	135.7	138.2	140.7	143.2	144.4	146.9	148.2	148.2	149.4
-80°	94.6	98.4	100.9	104.6	105.8	108.3	110.8	112.1	113.3	113.3	114.6
-82.5°	67.2	69.7	72.2	74.7	77.2	78.5	80.9	82.2	83.4	84.7	85.9
-85°	44.8	47.3	49.8	52.3	53.5	54.8	56.0	57.3	58.5	59.8	61.0
-87.5°	26.2	27.4	28.6	31.1	32.4	34.9	36.1	34.9	36.1	36.1	36.1
-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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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°	48.6	48.6	48.6	48.6	47.3	44.8	43.6	41.1	38.6	36.1	33.6
85°	100.9	102.1	102.1	102.1	99.6	98.4	94.6	90.9	85.9	78.5	72.2
82.5°	168.1	169.4	169.4	168.1	165.6	161.9	156.9	150.7	140.7	130.8	122.0
80°	252.8	254.0	254.0	252.8	246.6	240.3	234.1	226.6	214.2	200.5	185.5
77.5°	353.7	356.1	356.1	352.4	343.7	336.2	326.3	313.8	295.1	275.2	255.3
75°	470.7	476.9	478.2	474.4	463.2	449.5	433.3	412.2	383.5	358.6	335.0
72.5°	606.4	612.7	617.6	612.7	596.5	577.8	554.1	529.2	500.6	467.0	427.1
70°	784.5	790.7	794.5	778.3	749.6	718.5	689.9	661.2	627.6	586.5	542.9
67.5°	1008.7	1002.4	995.0	962.6	926.5	889.1	849.3	806.9	763.3	719.8	668.7
65°	1224.1	1206.7	1190.5	1151.9	1105.8	1057.2	1011.1	963.8	911.5	856.7	808.2
62.5°	1450.7	1413.4	1373.5	1326.2	1278.9	1225.3	1179.3	1123.2	1064.7	997.4	935.2
60°	1673.6	1628.8	1588.9	1530.4	1468.2	1395.9	1346.1	1291.3	1222.8	1150.6	1077.1
57.5°	1889.0	1840.5	1796.9	1745.8	1678.6	1600.2	1545.4	1474.4	1402.2	1311.3	1236.5
55°	2118.2	2069.6	2034.7	1977.5	1904.0	1831.8	1772.0	1697.3	1596.4	1499.3	1407.1
52.5°	2380.9	2342.3	2305.0	2246.4	2158.0	2084.6	2018.6	1935.1	1829.3	1709.7	1598.9
50°	2674.8	2654.9	2615.0	2546.5	2445.7	2380.9	2293.8	2182.9	2069.6	1943.8	1805.6
47.5°	3064.6	3032.2	2976.2	2901.4	2816.8	2719.6	2602.6	2473.1	2312.4	2173.0	2026.0
45°	3530.3	3470.5	3398.3	3297.4	3192.8	3083.2	2955.0	2790.6	2575.2	2393.4	2239.0
42.5°	4034.6	3953.7	3855.3	3723.3	3587.6	3453.1	3314.9	3090.7	2821.7	2612.5	2438.2
40°	4561.4	4458.0	4334.7	4143.0	3992.3	3819.2	3661.0	3326.1	3039.7	2813.0	2627.5
37.5°	5076.9	4946.1	4739.4	4506.6	4331.0	4189.0	3841.6	3483.0	3226.5	2977.4	2789.4
35°	5471.6	5360.8	4996.0	4754.4	4603.7	4379.6	3945.0	3577.6	3306.1	3099.4	2806.8
32.5°	5705.8	5419.3	5099.3	4855.2	4730.7	4363.4	3952.4	3605.0	3343.5	3111.9	2762.0
30°	5653.5	5307.3	5027.1	4822.9	4552.6	4222.7	3882.7	3562.7	3308.6	3028.5	2712.2
27.5°	5338.4	5070.7	4820.4	4607.4	4342.2	4045.8	3732.0	3450.6	3214.0	2942.5	2643.7
25°	4982.3	4739.4	4553.9	4368.3	4116.8	3834.1	3557.7	3354.7	3116.9	2849.1	2554.0
22.5°	4654.8	4480.4	4334.7	4140.5	3895.2	3648.6	3476.7	3266.3	3022.2	2750.8	2461.9
20°	4445.6	4327.3	4160.4	3946.2	3753.2	3598.8	3408.3	3185.4	2933.8	2649.9	2383.4
17.5°	4344.7	4207.7	4022.2	3882.7	3734.5	3565.2	3352.2	3115.6	2847.9	2603.8	2392.1
15°	4292.4	4147.9	4025.9	3888.9	3722.1	3544.0	3307.4	3062.1	2847.9	2622.5	2398.4
12.5°	4303.6	4179.1	4045.8	3896.4	3717.1	3526.6	3312.4	3084.5	2862.8	2636.2	2399.6
10°	4338.5	4207.7	4065.8	3900.1	3719.6	3531.5	3326.1	3098.2	2870.3	2642.4	2397.1
7.5°	4350.9	4209.0	4057.0	3890.2	3713.3	3529.0	3328.6	3101.9	2871.6	2641.2	2389.6
5°	4312.3	4184.1	4037.1	3869.0	3695.9	3516.6	3318.6	3096.9	2861.6	2628.7	2371.0
2.5°	4260.0	4156.7	4015.9	3854.1	3678.5	3499.2	3302.4	3074.5	2839.2	2606.3	2347.3
0°	4251.3	4123.0	3981.1	3836.6	3649.8	3460.6	3265.1	3032.2	2798.1	2564.0	2306.2
-2.5°	4194.0	4058.3	3916.3	3759.4	3595.0	3404.5	3199.1	2971.2	2739.6	2509.2	2261.4
-5°	4150.4	3999.8	3849.1	3679.7	3514.1	3323.6	3110.6	2889.0	2662.4	2438.2	2199.1
-7.5°	4091.9	3937.5	3779.3	3602.5	3423.2	3228.9	3018.5	2796.8	2573.9	2351.0	2121.9
-10°	3973.6	3837.9	3689.7	3506.6	3317.4	3123.1	2913.9	2696.0	2473.1	2247.7	2017.3
-12.5°	3830.4	3687.2	3525.3	3357.2	3187.8	3007.3	2798.1	2583.9	2359.8	2133.1	1904.0
-15°	3644.9	3504.1	3338.5	3174.2	3011.0	2837.9	2653.6	2460.6	2232.7	2009.8	1780.7
-17.5°	3413.2	3281.2	3133.1	2976.2	2814.3	2639.9	2460.6	2297.5	2084.6	1875.4	1648.7
-20°	3164.2	3040.9	2907.7	2759.5	2597.6	2427.0	2257.6	2087.0	1902.7	1718.4	1508.0



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 CATALOG NUMBER: IFLD-S-SA2D-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	2905.2	2780.7	2646.2	2507.9	2358.5	2200.4	2043.5	1880.3	1718.4	1551.6	1373.5
-25°	2606.3	2496.7	2373.5	2239.0	2105.7	1967.5	1818.1	1669.9	1531.7	1387.2	1241.5
-27.5°	2293.8	2192.9	2080.8	1963.8	1849.2	1733.4	1603.9	1466.9	1352.3	1232.8	1112.0
-30°	1965.0	1884.1	1793.2	1691.1	1602.6	1509.2	1400.9	1287.6	1183.0	1092.1	995.0
-32.5°	1653.7	1585.2	1520.5	1453.2	1366.0	1293.8	1219.1	1135.7	1043.5	957.6	887.9
-35°	1386.0	1312.5	1285.1	1235.3	1173.0	1109.5	1054.7	995.0	925.2	849.3	792.0
-37.5°	1160.6	1117.0	1078.4	1051.0	1009.9	958.8	915.3	871.7	818.1	760.8	703.6
-40°	985.0	955.1	912.8	899.1	872.9	838.1	793.2	759.6	723.5	679.9	631.3
-42.5°	844.3	821.9	794.5	770.8	759.6	734.7	699.8	667.5	638.8	608.9	571.6
-45°	728.5	713.5	696.1	674.9	666.2	646.3	621.4	585.3	569.1	544.2	516.8
-47.5°	635.1	627.6	615.2	601.5	589.0	574.1	551.6	529.2	506.8	490.6	469.5
-50°	561.6	556.6	549.2	537.9	521.8	511.8	496.9	476.9	455.8	442.1	427.1
-52.5°	503.1	498.1	493.1	484.4	472.0	462.0	449.5	433.3	415.9	402.2	389.8
-55°	458.3	450.8	447.0	439.6	429.6	418.4	407.2	396.0	381.0	368.6	356.1
-57.5°	423.4	413.4	408.4	402.2	392.3	381.0	372.3	361.1	351.2	337.5	326.3
-60°	396.0	384.8	374.8	368.6	359.9	348.7	340.0	331.2	321.3	310.1	296.4
-62.5°	373.6	359.9	346.2	338.7	330.0	320.0	311.3	302.6	292.6	281.4	269.0
-65°	352.4	336.2	318.8	311.3	302.6	292.6	281.4	275.2	266.5	256.5	244.1
-67.5°	326.3	308.8	293.9	285.2	276.4	267.7	257.8	251.5	242.8	230.4	217.9
-70°	287.7	276.4	266.5	259.0	251.5	244.1	234.1	224.1	214.2	203.0	191.8
-72.5°	239.1	235.4	234.1	230.4	221.7	212.9	203.0	193.0	184.3	175.6	166.9
-75°	193.0	195.5	198.0	196.8	188.0	179.3	170.6	161.9	155.7	148.2	140.7
-77.5°	153.2	155.7	158.1	158.1	151.9	146.9	140.7	134.5	129.5	123.3	115.8
-80°	118.3	122.0	125.8	128.3	123.3	119.5	114.6	109.6	104.6	99.6	94.6
-82.5°	89.7	93.4	97.1	99.6	95.9	93.4	89.7	85.9	82.2	77.2	73.5
-85°	64.8	67.2	69.7	71.0	68.5	66.0	63.5	61.0	58.5	54.8	52.3
-87.5°	37.4	38.6	39.8	41.1	38.6	36.1	34.9	32.4	31.1	28.6	27.4
-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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 CATALOG NUMBER: IFLD-S-SA2D-827-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°	31.1	28.6	26.2	24.9	22.4	18.7	16.2	13.7	11.2	8.7	7.5
85°	66.0	59.8	52.3	48.6	43.6	38.6	33.6	28.6	23.7	18.7	13.7
82.5°	113.3	105.8	98.4	89.7	78.5	64.8	51.1	42.3	34.9	27.4	21.2
80°	170.6	156.9	144.4	133.2	120.8	103.4	84.7	67.2	47.3	36.1	27.4
77.5°	236.6	220.4	203.0	184.3	164.4	140.7	119.5	97.1	73.5	49.8	34.9
75°	311.3	290.1	266.5	240.3	214.2	183.1	153.2	127.0	99.6	69.7	42.3
72.5°	394.7	368.6	340.0	305.1	264.0	227.9	191.8	156.9	124.5	88.4	57.3
70°	501.8	460.7	418.4	381.0	328.7	271.5	229.1	189.3	148.2	108.3	72.2
67.5°	616.4	566.6	515.5	460.7	394.7	327.5	266.5	221.7	173.1	127.0	85.9
65°	740.9	678.7	613.9	552.9	462.0	382.3	313.8	252.8	196.8	144.4	99.6
62.5°	869.2	795.7	721.0	641.3	536.7	438.3	358.6	287.7	219.2	160.6	112.1
60°	1006.2	920.2	829.3	729.7	607.7	499.3	401.0	323.8	242.8	176.8	125.8
57.5°	1150.6	1057.2	950.1	815.6	681.2	557.9	449.5	356.1	264.0	191.8	135.7
55°	1307.5	1200.4	1083.4	905.3	753.4	616.4	498.1	388.5	286.4	204.2	145.7
52.5°	1476.9	1352.3	1204.2	999.9	829.3	676.2	542.9	417.2	307.6	217.9	154.4
50°	1666.1	1509.2	1310.0	1087.1	895.3	732.2	587.8	448.3	325.0	232.9	161.9
47.5°	1862.9	1693.5	1404.6	1168.0	962.6	787.0	633.8	475.7	342.4	245.3	169.4
45°	2068.4	1821.8	1503.0	1240.3	1021.1	836.8	668.7	500.6	363.6	256.5	175.6
42.5°	2271.3	1918.9	1588.9	1312.5	1075.9	881.6	697.3	524.3	381.0	267.7	181.8
40°	2367.2	1992.4	1657.4	1362.3	1122.0	921.5	722.2	545.4	396.0	275.2	188.0
37.5°	2407.1	2037.2	1702.3	1409.6	1158.1	942.7	743.4	564.1	408.4	282.7	193.0
35°	2415.8	2053.4	1724.7	1442.0	1188.0	962.6	759.6	577.8	418.4	290.1	198.0
32.5°	2399.6	2048.4	1730.9	1453.2	1206.7	977.5	770.8	587.8	425.9	297.6	203.0
30°	2363.5	2022.3	1708.5	1452.0	1220.3	986.2	778.3	595.2	433.3	302.6	205.5
27.5°	2305.0	1976.2	1679.8	1453.2	1227.8	990.0	782.0	599.0	438.3	306.3	210.4
25°	2232.7	1914.0	1681.1	1450.7	1229.1	991.2	782.0	599.0	439.6	307.6	214.2
22.5°	2149.3	1914.0	1681.1	1447.0	1221.6	988.7	778.3	596.5	439.6	310.1	217.9
20°	2154.3	1915.2	1677.4	1439.5	1210.4	981.3	769.6	590.3	435.8	313.8	220.4
17.5°	2158.0	1912.7	1669.9	1429.6	1195.4	968.8	758.4	581.5	435.8	317.5	221.7
15°	2158.0	1905.2	1658.7	1414.6	1176.8	951.4	742.2	574.1	437.1	318.8	224.1
12.5°	2154.3	1891.5	1641.2	1394.7	1154.3	930.2	732.2	571.6	437.1	320.0	224.1
10°	2146.8	1872.9	1618.8	1369.8	1133.2	922.7	727.2	566.6	434.6	320.0	224.1
7.5°	2133.1	1850.4	1600.2	1354.8	1120.7	914.0	719.8	559.1	430.9	317.5	226.6
5°	2111.9	1838.0	1585.2	1337.4	1103.3	907.8	714.8	552.9	428.4	317.5	224.1
2.5°	2084.6	1823.1	1567.8	1315.0	1083.4	886.6	698.6	539.2	419.7	312.6	221.7
0°	2039.7	1793.2	1537.9	1283.9	1056.0	865.5	682.4	525.5	410.9	307.6	219.2
-2.5°	1998.6	1753.3	1499.3	1251.5	1029.8	846.8	669.9	518.0	407.2	306.3	217.9
-5°	1941.4	1698.5	1448.2	1209.1	995.0	828.1	657.5	509.3	403.5	303.8	217.9
-7.5°	1877.8	1641.2	1394.7	1165.6	960.1	795.7	633.8	495.6	394.7	298.9	216.7
-10°	1779.5	1555.3	1327.4	1115.7	922.7	767.1	613.9	483.2	387.3	293.9	211.7
-12.5°	1674.9	1460.7	1250.2	1054.7	880.4	737.2	591.5	469.5	378.6	288.9	209.2
-15°	1564.0	1363.6	1169.3	991.2	834.3	701.1	567.8	454.5	369.8	282.7	205.5
-17.5°	1448.2	1261.4	1085.9	926.5	788.2	663.7	542.9	440.8	359.9	276.4	201.7
-20°	1326.2	1156.8	1001.2	860.5	739.7	626.4	516.8	424.6	348.7	269.0	196.8



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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°	1205.4	1053.5	914.0	795.7	689.9	587.8	490.6	408.4	336.2	260.3	193.0
-25°	1098.3	956.4	836.8	733.5	641.3	550.4	463.2	392.3	322.5	251.5	188.0
-27.5°	993.7	872.9	760.8	674.9	594.0	514.3	437.1	374.8	308.8	241.6	183.1
-30°	896.6	793.2	701.1	617.6	549.2	481.9	414.7	357.4	293.9	231.6	176.8
-32.5°	808.2	724.7	647.5	567.8	506.8	449.5	393.5	340.0	278.9	221.7	170.6
-35°	726.0	661.2	594.0	526.7	464.5	419.7	371.1	321.3	265.2	210.4	164.4
-37.5°	652.5	600.2	546.7	489.4	435.8	391.0	349.9	302.6	251.5	200.5	158.1
-40°	589.0	546.7	499.3	453.3	408.4	366.1	328.7	283.9	237.8	193.0	151.9
-42.5°	530.5	498.1	459.5	420.9	381.0	343.7	307.6	264.0	224.1	184.3	145.7
-45°	485.6	453.3	422.1	387.3	353.7	321.3	285.2	246.6	211.7	174.3	139.5
-47.5°	443.3	414.7	386.0	357.4	330.0	300.1	264.0	231.6	198.0	165.6	134.5
-50°	406.0	378.6	353.7	328.7	305.1	276.4	242.8	216.7	186.8	156.9	128.3
-52.5°	371.1	347.4	322.5	302.6	282.7	254.0	226.6	201.7	175.6	146.9	122.0
-55°	340.0	317.5	295.1	276.4	257.8	232.9	210.4	189.3	164.4	139.5	115.8
-57.5°	310.1	291.4	270.2	252.8	234.1	214.2	195.5	175.6	153.2	132.0	109.6
-60°	282.7	265.2	246.6	229.1	212.9	196.8	179.3	163.1	143.2	123.3	103.4
-62.5°	255.3	240.3	224.1	206.7	194.3	179.3	165.6	149.4	133.2	115.8	92.1
-65°	230.4	216.7	201.7	186.8	175.6	164.4	151.9	137.0	123.3	107.1	82.2
-67.5°	205.5	193.0	180.6	168.1	158.1	149.4	137.0	125.8	114.6	97.1	72.2
-70°	181.8	171.8	160.6	150.7	143.2	133.2	124.5	114.6	104.6	84.7	61.0
-72.5°	159.4	149.4	140.7	133.2	127.0	118.3	110.8	103.4	89.7	71.0	51.1
-75°	133.2	127.0	122.0	115.8	109.6	103.4	97.1	88.4	74.7	57.3	39.8
-77.5°	109.6	105.8	102.1	97.1	92.1	87.2	79.7	71.0	59.8	44.8	32.4
-80°	89.7	85.9	83.4	78.5	74.7	69.7	62.3	54.8	43.6	34.9	26.2
-82.5°	68.5	66.0	63.5	61.0	57.3	52.3	44.8	38.6	32.4	26.2	19.9
-85°	48.6	47.3	44.8	42.3	38.6	34.9	29.9	26.2	22.4	17.4	13.7
-87.5°	24.9	23.7	22.4	21.2	19.9	17.4	14.9	12.5	11.2	8.7	6.2
-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):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.0	3.7	1.2	0.0
85°	10.0	6.2	2.5	0.0
82.5°	14.9	10.0	3.7	0.0
80°	19.9	12.5	6.2	0.0
77.5°	24.9	14.9	7.5	0.0
75°	29.9	18.7	8.7	0.0
72.5°	33.6	21.2	10.0	0.0
70°	39.8	24.9	11.2	0.0
67.5°	49.8	27.4	12.5	0.0
65°	58.5	29.9	13.7	0.0
62.5°	68.5	32.4	14.9	0.0
60°	77.2	34.9	16.2	0.0
57.5°	85.9	41.1	17.4	0.0
55°	93.4	46.1	18.7	0.0
52.5°	102.1	51.1	19.9	0.0
50°	109.6	56.0	21.2	0.0
47.5°	115.8	61.0	21.2	0.0
45°	120.8	64.8	22.4	0.0
42.5°	124.5	68.5	23.7	0.0
40°	128.3	72.2	24.9	0.0
37.5°	132.0	76.0	24.9	0.0
35°	135.7	79.7	26.2	0.0
32.5°	139.5	83.4	26.2	0.0
30°	142.0	85.9	27.4	0.0
27.5°	145.7	88.4	27.4	0.0
25°	146.9	90.9	28.6	0.0
22.5°	149.4	92.1	28.6	0.0
20°	151.9	94.6	28.6	0.0
17.5°	153.2	95.9	29.9	0.0
15°	153.2	97.1	31.1	0.0
12.5°	154.4	98.4	31.1	0.0
10°	154.4	100.9	29.9	0.0
7.5°	156.9	99.6	29.9	0.0
5°	155.7	99.6	29.9	0.0
2.5°	154.4	98.4	29.9	0.0
0°	153.2	98.4	29.9	0.0
-2.5°	153.2	98.4	29.9	0.0
-5°	153.2	98.4	29.9	0.0
-7.5°	151.9	99.6	29.9	0.0
-10°	149.4	99.6	29.9	0.0
-12.5°	148.2	95.9	29.9	0.0
-15°	146.9	94.6	29.9	0.0
-17.5°	144.4	93.4	28.6	0.0
-20°	142.0	92.1	28.6	0.0



REPORT NUMBER: P722165

CATALOG NUMBER: IFLD-S-SA2D-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	139.5	89.7	28.6	0.0
-25°	137.0	87.2	27.4	0.0
-27.5°	134.5	84.7	27.4	0.0
-30°	130.8	82.2	26.2	0.0
-32.5°	127.0	79.7	26.2	0.0
-35°	124.5	76.0	24.9	0.0
-37.5°	120.8	72.2	24.9	0.0
-40°	117.1	68.5	23.7	0.0
-42.5°	113.3	64.8	22.4	0.0
-45°	108.3	61.0	22.4	0.0
-47.5°	104.6	57.3	21.2	0.0
-50°	98.4	52.3	19.9	0.0
-52.5°	90.9	47.3	18.7	0.0
-55°	83.4	43.6	17.4	0.0
-57.5°	76.0	38.6	17.4	0.0
-60°	68.5	33.6	16.2	0.0
-62.5°	61.0	31.1	14.9	0.0
-65°	53.5	28.6	13.7	0.0
-67.5°	44.8	24.9	12.5	0.0
-70°	37.4	22.4	11.2	0.0
-72.5°	32.4	19.9	10.0	0.0
-75°	27.4	17.4	8.7	0.0
-77.5°	23.7	14.9	7.5	0.0
-80°	18.7	11.2	5.0	0.0
-82.5°	13.7	8.7	3.7	0.0
-85°	8.7	6.2	2.5	0.0
-87.5°	5.0	2.5	1.2	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)