

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: P722197

Luminaire Tested: **IFLD-S-SA3B-830-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722197  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-830-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (48) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

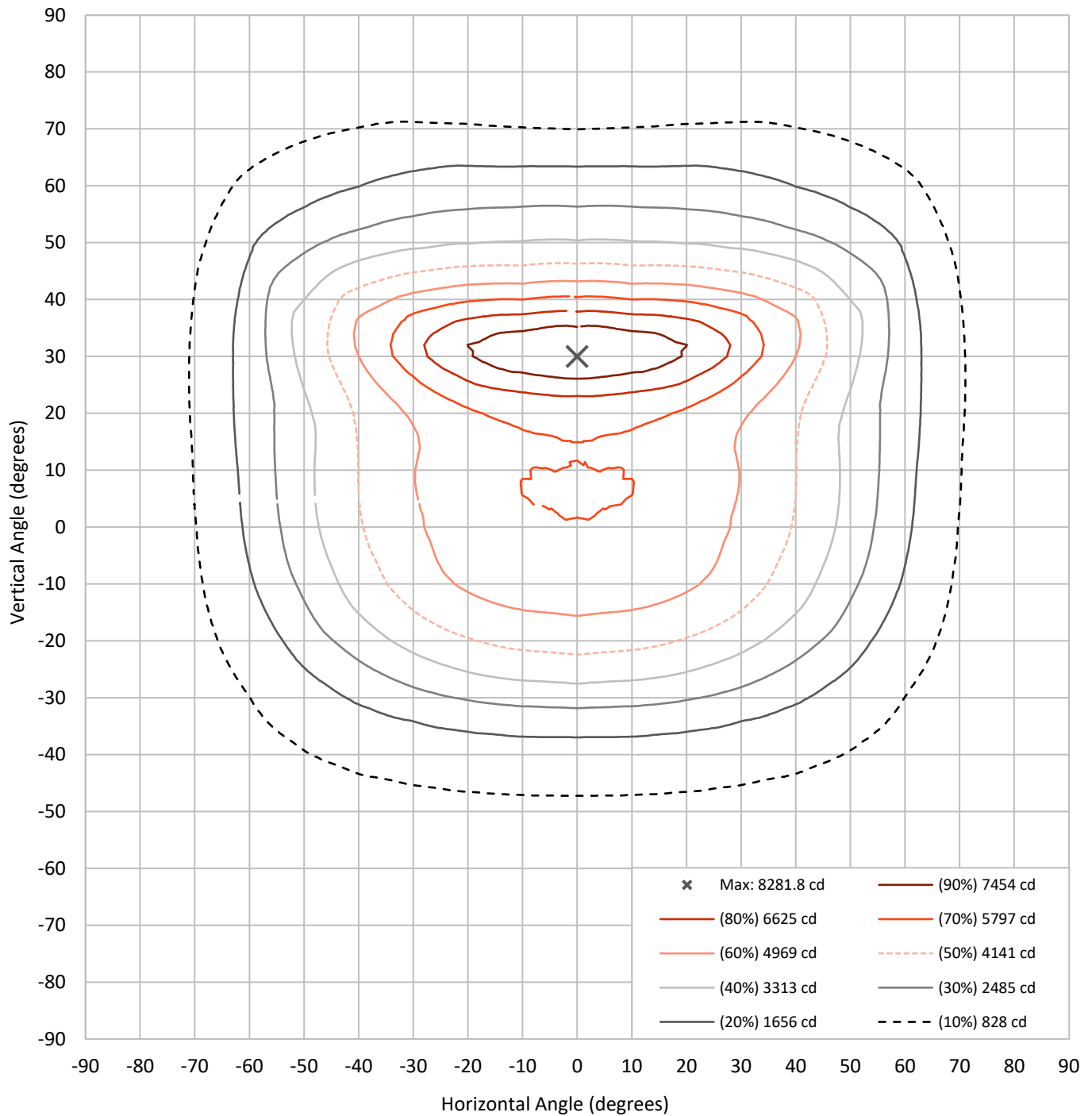
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	13824.3 lumens	Max Intensity:	8281.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	112.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	8039 lumens	Field Lumens:	12955.2 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%

Input Watts (W): 122.4  
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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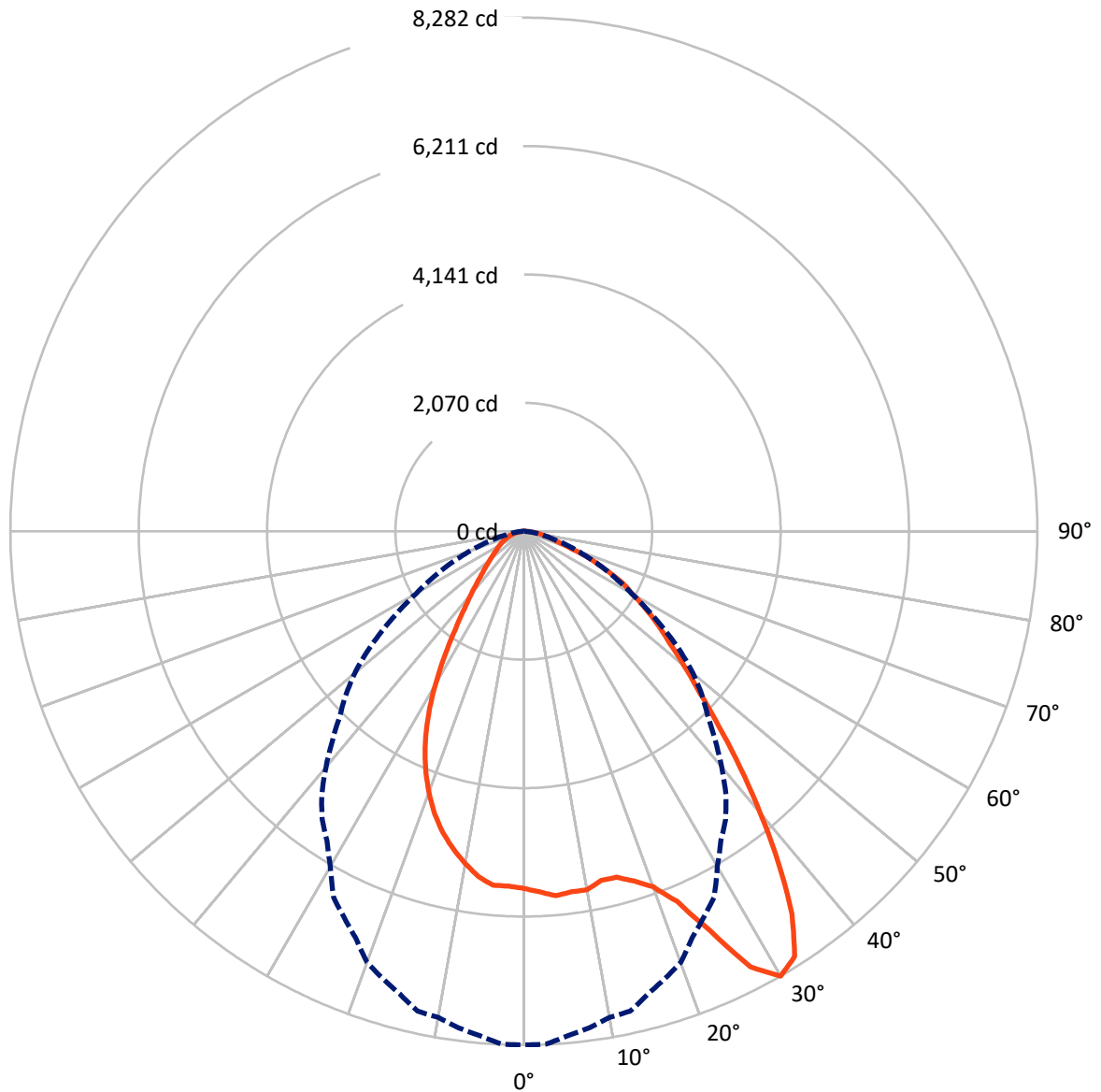
### Iso-Candela Plot





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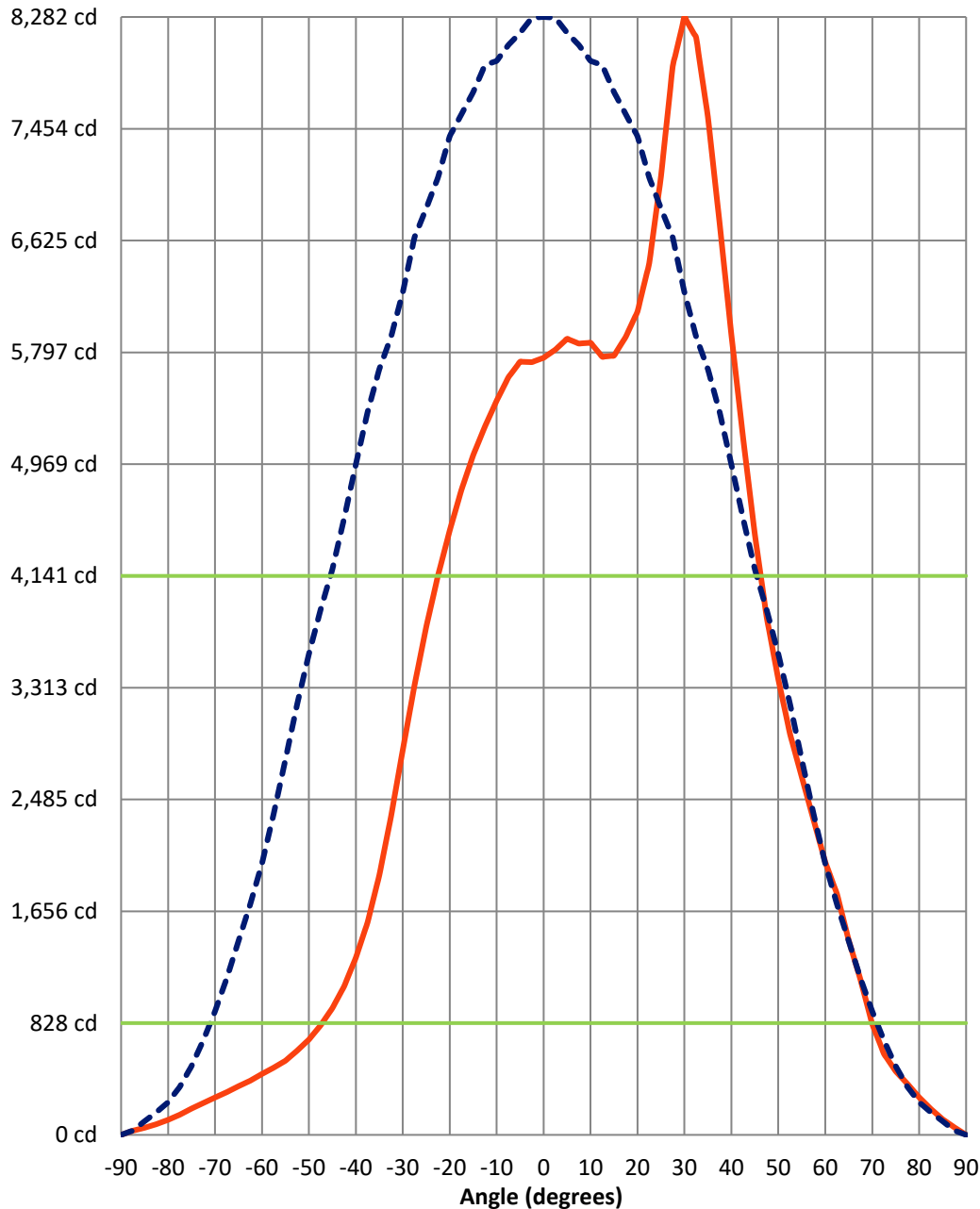
### Luminous Intensity Polar Plot



— 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: 8039  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 12955.2  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 869.1  
 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°	55.7	57.1	58.6	58.6	57.1	57.1	57.1	55.7	57.1	57.1	57.1
85°	115.7	118.6	121.6	120.1	118.6	115.7	112.8	114.2	115.7	117.2	117.2
82.5°	191.8	196.2	199.2	197.7	194.8	191.8	188.9	190.4	193.3	194.8	194.8
80°	278.3	279.7	281.2	284.1	279.7	279.7	278.3	284.1	287.0	290.0	292.9
77.5°	377.8	379.3	379.3	380.8	382.2	383.7	383.7	394.0	401.3	405.7	410.1
75°	471.6	476.0	480.4	484.8	490.6	493.5	497.9	512.6	524.3	533.1	541.9
72.5°	600.4	606.3	613.6	623.9	634.1	641.5	651.7	669.3	682.5	691.2	701.5
70°	821.6	827.4	834.8	842.1	852.3	859.7	869.9	891.9	905.1	910.9	916.8
67.5°	1149.6	1164.3	1177.5	1162.8	1155.5	1145.2	1148.2	1168.7	1181.9	1190.6	1189.2
65°	1441.1	1451.3	1451.3	1449.9	1444.0	1430.8	1438.1	1463.0	1477.7	1485.0	1463.0
62.5°	1783.8	1783.8	1776.4	1788.2	1789.6	1780.8	1776.4	1777.9	1779.4	1783.8	1747.2
60°	2021.0	2035.7	2040.1	2050.3	2053.2	2053.2	2060.6	2066.4	2066.4	2057.6	2015.2
57.5°	2334.4	2362.2	2368.1	2360.8	2346.1	2327.1	2324.2	2315.4	2297.8	2280.2	2259.7
55°	2650.8	2665.4	2663.9	2659.5	2644.9	2622.9	2625.9	2614.1	2586.3	2564.3	2536.5
52.5°	2968.5	3003.7	3009.6	3000.8	2980.3	2956.8	2958.3	2945.1	2917.3	2893.9	2855.8
50°	3374.2	3403.5	3400.6	3385.9	3356.6	3339.1	3340.5	3315.6	3283.4	3276.1	3226.3
47.5°	3838.5	3872.1	3866.3	3845.8	3806.2	3798.9	3806.2	3774.0	3755.0	3738.9	3680.3
45°	4447.7	4487.2	4465.3	4425.7	4362.8	4370.1	4380.3	4374.5	4333.5	4291.0	4216.3
42.5°	5162.4	5187.3	5160.9	5121.4	5042.3	5056.9	5051.1	5015.9	4991.0	4920.7	4825.5
40°	5926.8	5981.0	5940.0	5878.5	5796.5	5818.5	5802.4	5757.0	5698.4	5610.5	5490.4
37.5°	6751.4	6793.8	6747.0	6675.2	6602.0	6594.7	6562.4	6492.1	6408.7	6312.0	6120.2
35°	7540.7	7650.6	7564.2	7449.9	7360.6	7326.9	7296.2	7133.6	7038.4	6881.7	6619.6
32.5°	8128.0	8208.5	8101.6	7983.0	7874.6	7827.8	7719.4	7526.1	7474.8	7145.3	6905.1
30°	8281.8	8275.9	8164.6	8073.8	7956.6	7924.4	7725.3	7561.2	7397.2	7092.6	6864.1
27.5°	7915.6	7879.0	7772.1	7693.0	7577.3	7539.3	7343.0	7255.1	7001.8	6744.0	6550.7
25°	7099.9	7119.0	7038.4	6998.9	6922.7	6840.7	6763.1	6644.5	6486.3	6260.8	6083.5
22.5°	6457.0	6481.9	6448.2	6401.3	6342.8	6297.4	6238.8	6146.5	5994.2	5855.1	5688.1
20°	6099.7	6092.3	6063.0	6027.9	5972.2	5940.0	5875.6	5798.0	5680.8	5560.7	5380.6
17.5°	5912.2	5866.8	5839.0	5825.8	5796.5	5755.5	5679.3	5600.3	5509.5	5373.3	5241.5
15°	5773.1	5780.4	5758.4	5748.2	5724.7	5667.6	5590.0	5525.6	5402.6	5333.7	5213.6
12.5°	5764.3	5757.0	5758.4	5754.0	5724.7	5651.5	5612.0	5530.0	5450.9	5360.1	5222.4
10°	5868.3	5790.6	5796.5	5817.0	5770.1	5711.6	5669.1	5579.8	5505.1	5389.4	5253.2
7.5°	5862.4	5822.9	5834.6	5800.9	5815.5	5743.8	5685.2	5595.9	5502.1	5379.1	5256.1
5°	5897.6	5837.5	5827.3	5830.2	5793.6	5739.4	5660.3	5575.4	5487.5	5349.8	5223.9
2.5°	5817.0	5825.8	5778.9	5761.4	5757.0	5666.2	5592.9	5510.9	5420.1	5298.6	5185.8
0°	5757.0	5773.1	5724.7	5699.8	5698.4	5620.8	5573.9	5480.2	5415.7	5314.7	5178.5
-2.5°	5724.7	5743.8	5749.6	5704.2	5660.3	5600.3	5521.2	5420.1	5314.7	5197.5	5080.4
-5°	5727.7	5689.6	5673.5	5688.1	5650.1	5590.0	5502.1	5412.8	5308.8	5182.9	5036.4
-7.5°	5612.0	5573.9	5571.0	5563.6	5554.9	5497.7	5424.5	5327.9	5222.4	5105.3	4969.1
-10°	5439.2	5411.3	5404.0	5396.7	5373.3	5339.6	5270.7	5182.9	5087.7	4970.5	4825.5
-12.5°	5247.3	5234.1	5206.3	5187.3	5163.8	5124.3	5058.4	4977.8	4882.7	4778.7	4654.2
-15°	5035.0	5010.1	4982.2	4966.1	4932.4	4885.6	4819.7	4745.0	4641.0	4538.5	4421.3
-17.5°	4778.7	4747.9	4717.2	4712.8	4689.3	4617.6	4556.1	4465.3	4374.5	4276.3	4162.1
-20°	4477.0	4434.5	4414.0	4402.3	4370.1	4317.4	4251.5	4168.0	4080.1	3986.4	3854.6



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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°	4143.1	4106.5	4071.3	4049.4	4021.5	3980.5	3917.5	3844.3	3757.9	3652.5	3530.9
-25°	3763.8	3712.5	3690.5	3665.7	3651.0	3612.9	3551.4	3484.1	3394.7	3292.2	3176.5
-27.5°	3330.3	3289.3	3277.6	3242.4	3224.8	3185.3	3134.0	3071.1	2989.1	2892.4	2797.2
-30°	2851.4	2826.5	2807.5	2772.3	2759.1	2716.7	2683.0	2630.2	2555.6	2486.7	2410.6
-32.5°	2359.3	2334.4	2328.6	2312.5	2303.7	2275.8	2237.8	2199.7	2139.6	2088.4	2026.9
-35°	1922.9	1905.3	1906.8	1905.3	1896.5	1876.0	1829.2	1818.9	1775.0	1728.1	1688.6
-37.5°	1574.3	1575.8	1574.3	1572.9	1561.2	1552.4	1518.7	1505.5	1479.1	1433.7	1410.3
-40°	1312.2	1315.1	1313.7	1310.7	1297.5	1293.2	1271.2	1253.6	1243.4	1211.1	1186.2
-42.5°	1099.8	1104.2	1102.8	1101.3	1092.5	1091.1	1079.3	1058.8	1053.0	1033.9	1007.6
-45°	938.7	937.3	934.4	937.3	932.9	928.5	921.2	908.0	900.7	891.9	869.9
-47.5°	811.3	812.8	809.9	809.9	804.0	799.6	796.7	787.9	782.0	774.7	761.5
-50°	705.9	711.7	710.3	708.8	704.4	701.5	701.5	692.7	683.9	681.0	672.2
-52.5°	623.9	628.3	629.7	632.7	634.1	635.6	631.2	622.4	607.8	606.3	601.9
-55°	549.2	562.4	571.2	577.0	582.9	587.3	578.5	566.8	552.1	546.3	544.8
-57.5°	497.9	511.1	521.4	530.2	537.5	544.8	536.0	524.3	511.1	503.8	502.3
-60°	451.1	462.8	473.0	484.8	495.0	506.7	502.3	493.5	486.2	480.4	474.5
-62.5°	401.3	413.0	424.7	439.4	452.5	464.2	465.7	464.2	462.8	464.2	454.0
-65°	360.3	366.1	373.4	389.6	404.2	417.4	424.7	429.1	436.4	443.7	433.5
-67.5°	316.3	323.7	332.4	344.2	355.9	364.7	374.9	386.6	398.3	410.1	402.7
-70°	276.8	282.6	290.0	295.8	303.2	309.0	317.8	331.0	344.2	355.9	352.9
-72.5°	235.8	241.6	246.0	249.0	253.4	256.3	260.7	272.4	281.2	287.0	287.0
-75°	194.8	200.6	205.0	206.5	209.4	210.9	213.8	218.2	222.6	224.1	225.5
-77.5°	149.4	155.2	159.6	162.6	165.5	168.4	169.9	172.8	174.3	174.3	175.7
-80°	111.3	115.7	118.6	123.0	124.5	127.4	130.3	131.8	133.3	133.3	134.7
-82.5°	79.1	82.0	84.9	87.9	90.8	92.3	95.2	96.7	98.1	99.6	101.1
-85°	52.7	55.7	58.6	61.5	63.0	64.4	65.9	67.4	68.8	70.3	71.8
-87.5°	30.8	32.2	33.7	36.6	38.1	41.0	42.5	41.0	42.5	42.5	42.5
-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):**

	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°	57.1	57.1	57.1	57.1	55.7	52.7	51.3	48.3	45.4	42.5	39.5
85°	118.6	120.1	120.1	120.1	117.2	115.7	111.3	106.9	101.1	92.3	84.9
82.5°	197.7	199.2	199.2	197.7	194.8	190.4	184.5	177.2	165.5	153.8	143.5
80°	297.3	298.8	298.8	297.3	290.0	282.6	275.3	266.5	251.9	235.8	218.2
77.5°	415.9	418.8	418.8	414.5	404.2	395.4	383.7	369.1	347.1	323.7	300.2
75°	553.6	560.9	562.4	558.0	544.8	528.7	509.6	484.8	451.1	421.8	394.0
72.5°	713.2	720.5	726.4	720.5	701.5	679.5	651.7	622.4	588.7	549.2	502.3
70°	922.6	930.0	934.4	915.3	881.6	845.0	811.3	777.7	738.1	689.8	638.5
67.5°	1186.2	1178.9	1170.1	1132.1	1089.6	1045.7	998.8	949.0	897.7	846.5	786.4
65°	1439.6	1419.1	1400.1	1354.7	1300.5	1243.4	1189.2	1133.5	1072.0	1007.6	950.5
62.5°	1706.1	1662.2	1615.3	1559.7	1504.0	1441.1	1386.9	1321.0	1252.2	1173.1	1099.8
60°	1968.3	1915.6	1868.7	1799.9	1726.6	1641.7	1583.1	1518.7	1438.1	1353.2	1266.8
57.5°	2221.7	2164.5	2113.3	2053.2	1974.2	1881.9	1817.4	1734.0	1649.0	1542.1	1454.3
55°	2491.1	2434.0	2393.0	2325.6	2239.2	2154.3	2084.0	1996.1	1877.5	1763.3	1654.9
52.5°	2800.1	2754.7	2710.8	2642.0	2538.0	2451.6	2374.0	2275.8	2151.4	2010.8	1880.4
50°	3145.8	3122.3	3075.5	2994.9	2876.3	2800.1	2697.6	2567.3	2434.0	2286.1	2123.5
47.5°	3604.1	3566.1	3500.2	3412.3	3312.7	3198.5	3060.8	2908.5	2719.6	2555.6	2382.7
45°	4151.9	4081.6	3996.6	3878.0	3755.0	3626.1	3475.3	3282.0	3028.6	2814.8	2633.2
42.5°	4745.0	4649.8	4534.1	4378.9	4219.2	4061.1	3898.5	3634.9	3318.6	3072.5	2867.5
40°	5364.5	5242.9	5097.9	4872.4	4695.2	4491.6	4305.6	3911.7	3574.9	3308.3	3090.1
37.5°	5970.8	5817.0	5573.9	5300.0	5093.5	4926.6	4518.0	4096.2	3794.5	3501.6	3280.5
35°	6435.0	6304.7	5875.6	5591.5	5414.3	5150.7	4639.5	4207.5	3888.3	3645.1	3301.0
32.5°	6710.4	6373.5	5997.1	5710.1	5563.6	5131.6	4648.3	4239.7	3932.2	3659.8	3248.3
30°	6648.8	6241.7	5912.2	5672.0	5354.2	4966.1	4566.3	4189.9	3891.2	3561.7	3189.7
27.5°	6278.3	5963.5	5669.1	5418.7	5106.7	4758.2	4389.1	4058.1	3779.9	3460.6	3109.1
25°	5859.5	5573.9	5355.7	5137.5	4841.6	4509.2	4184.1	3945.4	3665.7	3350.8	3003.7
22.5°	5474.3	5269.3	5097.9	4869.5	4581.0	4291.0	4088.9	3841.4	3554.3	3235.1	2895.3
20°	5228.3	5089.1	4892.9	4641.0	4414.0	4232.4	4008.3	3746.2	3450.4	3116.5	2803.1
17.5°	5109.7	4948.6	4730.3	4566.3	4392.0	4192.9	3942.4	3664.2	3349.3	3062.3	2813.3
15°	5048.1	4878.3	4734.7	4573.6	4377.4	4168.0	3889.7	3601.2	3349.3	3084.2	2820.6
12.5°	5061.3	4914.9	4758.2	4582.4	4371.5	4147.5	3895.6	3627.6	3366.9	3100.4	2822.1
10°	5102.3	4948.6	4781.6	4586.8	4374.5	4153.3	3911.7	3643.7	3375.7	3107.7	2819.2
7.5°	5117.0	4950.0	4771.4	4575.1	4367.1	4150.4	3914.6	3648.1	3377.1	3106.2	2810.4
5°	5071.6	4920.7	4747.9	4550.2	4346.6	4135.8	3902.9	3642.2	3365.4	3091.6	2788.4
2.5°	5010.1	4888.5	4723.0	4532.6	4326.1	4115.3	3883.9	3615.9	3339.1	3065.2	2760.6
0°	4999.8	4849.0	4682.0	4512.1	4292.5	4069.9	3839.9	3566.1	3290.7	3015.4	2712.3
-2.5°	4932.4	4772.8	4605.9	4421.3	4228.0	4004.0	3762.3	3494.3	3221.9	2951.0	2659.5
-5°	4881.2	4704.0	4526.8	4327.6	4132.8	3908.8	3658.3	3397.6	3131.1	2867.5	2586.3
-7.5°	4812.4	4630.8	4444.8	4236.8	4025.9	3797.5	3550.0	3289.3	3027.1	2765.0	2495.5
-10°	4673.2	4513.6	4339.3	4124.0	3901.4	3673.0	3426.9	3170.6	2908.5	2643.4	2372.5
-12.5°	4504.8	4336.4	4146.0	3948.3	3749.1	3536.8	3290.7	3038.8	2775.2	2508.7	2239.2
-15°	4286.6	4121.1	3926.3	3733.0	3541.2	3337.6	3120.9	2893.9	2625.9	2363.7	2094.2
-17.5°	4014.2	3859.0	3684.7	3500.2	3309.8	3104.7	2893.9	2702.0	2451.6	2205.5	1939.0
-20°	3721.3	3576.3	3419.6	3245.3	3055.0	2854.3	2655.1	2454.5	2237.8	2021.0	1773.5



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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°	3416.7	3270.2	3112.1	2949.5	2773.8	2587.8	2403.2	2211.4	2021.0	1824.8	1615.3
-25°	3065.2	2936.3	2791.3	2633.2	2476.5	2313.9	2138.2	1963.9	1801.3	1631.5	1460.1
-27.5°	2697.6	2579.0	2447.2	2309.5	2174.8	2038.6	1886.3	1725.2	1590.5	1449.9	1307.8
-30°	2311.0	2215.8	2108.9	1988.8	1884.8	1775.0	1647.6	1514.3	1391.3	1284.4	1170.1
-32.5°	1944.9	1864.3	1788.2	1709.1	1606.6	1521.6	1433.7	1335.6	1227.3	1126.2	1044.2
-35°	1630.0	1543.6	1511.4	1452.8	1379.6	1304.9	1240.4	1170.1	1088.1	998.8	931.4
-37.5°	1364.9	1313.7	1268.3	1236.0	1187.7	1127.7	1076.4	1025.2	962.2	894.8	827.4
-40°	1158.4	1123.3	1073.5	1057.4	1026.6	985.6	932.9	893.3	850.9	799.6	742.5
-42.5°	992.9	966.6	934.4	906.5	893.3	864.1	823.1	785.0	751.3	716.1	672.2
-45°	856.7	839.2	818.7	793.8	783.5	760.1	730.8	688.3	669.3	640.0	607.8
-47.5°	746.9	738.1	723.5	707.4	692.7	675.1	648.8	622.4	596.1	577.0	552.1
-50°	660.5	654.6	645.8	632.7	613.6	601.9	584.3	560.9	536.0	519.9	502.3
-52.5°	591.7	585.8	579.9	569.7	555.0	543.3	528.7	509.6	489.1	473.0	458.4
-55°	538.9	530.2	525.8	517.0	505.3	492.1	478.9	465.7	448.1	433.5	418.8
-57.5°	497.9	486.2	480.4	473.0	461.3	448.1	437.9	424.7	413.0	396.9	383.7
-60°	465.7	452.5	440.8	433.5	423.2	410.1	399.8	389.6	377.8	364.7	348.6
-62.5°	439.4	423.2	407.1	398.3	388.1	376.4	366.1	355.9	344.2	331.0	316.3
-65°	414.5	395.4	374.9	366.1	355.9	344.2	331.0	323.7	313.4	301.7	287.0
-67.5°	383.7	363.2	345.6	335.4	325.1	314.9	303.2	295.8	285.6	270.9	256.3
-70°	338.3	325.1	313.4	304.6	295.8	287.0	275.3	263.6	251.9	238.7	225.5
-72.5°	281.2	276.8	275.3	270.9	260.7	250.4	238.7	227.0	216.7	206.5	196.2
-75°	227.0	229.9	232.9	231.4	221.1	210.9	200.6	190.4	183.1	174.3	165.5
-77.5°	180.1	183.1	186.0	186.0	178.7	172.8	165.5	158.2	152.3	145.0	136.2
-80°	139.1	143.5	147.9	150.8	145.0	140.6	134.7	128.9	123.0	117.2	111.3
-82.5°	105.4	109.8	114.2	117.2	112.8	109.8	105.4	101.1	96.7	90.8	86.4
-85°	76.2	79.1	82.0	83.5	80.5	77.6	74.7	71.8	68.8	64.4	61.5
-87.5°	43.9	45.4	46.9	48.3	45.4	42.5	41.0	38.1	36.6	33.7	32.2
-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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 CATALOG NUMBER: IFLD-S-SA3B-830-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°	36.6	33.7	30.8	29.3	26.4	22.0	19.0	16.1	13.2	10.3	8.8
85°	77.6	70.3	61.5	57.1	51.3	45.4	39.5	33.7	27.8	22.0	16.1
82.5°	133.3	124.5	115.7	105.4	92.3	76.2	60.0	49.8	41.0	32.2	24.9
80°	200.6	184.5	169.9	156.7	142.1	121.6	99.6	79.1	55.7	42.5	32.2
77.5°	278.3	259.2	238.7	216.7	193.3	165.5	140.6	114.2	86.4	58.6	41.0
75°	366.1	341.2	313.4	282.6	251.9	215.3	180.1	149.4	117.2	82.0	49.8
72.5°	464.2	433.5	399.8	358.8	310.5	268.0	225.5	184.5	146.5	104.0	67.4
70°	590.2	541.9	492.1	448.1	386.6	319.3	269.5	222.6	174.3	127.4	84.9
67.5°	724.9	666.3	606.3	541.9	464.2	385.2	313.4	260.7	203.6	149.4	101.1
65°	871.4	798.2	722.0	650.2	543.3	449.6	369.1	297.3	231.4	169.9	117.2
62.5°	1022.2	935.8	847.9	754.2	631.2	515.5	421.8	338.3	257.8	188.9	131.8
60°	1183.3	1082.3	975.4	858.2	714.7	587.3	471.6	380.8	285.6	208.0	147.9
57.5°	1353.2	1243.4	1117.4	959.2	801.1	656.1	528.7	418.8	310.5	225.5	159.6
55°	1537.7	1411.8	1274.1	1064.7	886.0	724.9	585.8	456.9	336.8	240.2	171.3
52.5°	1736.9	1590.5	1416.2	1176.0	975.4	795.2	638.5	490.6	361.7	256.3	181.6
50°	1959.5	1775.0	1540.7	1278.5	1053.0	861.1	691.2	527.2	382.2	273.9	190.4
47.5°	2190.9	1991.7	1652.0	1373.7	1132.1	925.6	745.4	559.4	402.7	288.5	199.2
45°	2432.5	2142.6	1767.7	1458.6	1200.9	984.1	786.4	588.7	427.6	301.7	206.5
42.5°	2671.3	2256.8	1868.7	1543.6	1265.3	1036.9	820.1	616.6	448.1	314.9	213.8
40°	2784.0	2343.2	1949.3	1602.2	1319.5	1083.7	849.4	641.5	465.7	323.7	221.1
37.5°	2830.9	2395.9	2002.0	1657.8	1362.0	1108.6	874.3	663.4	480.4	332.4	227.0
35°	2841.1	2415.0	2028.3	1695.9	1397.1	1132.1	893.3	679.5	492.1	341.2	232.9
32.5°	2822.1	2409.1	2035.7	1709.1	1419.1	1149.6	906.5	691.2	500.9	350.0	238.7
30°	2779.6	2378.4	2009.3	1707.6	1435.2	1159.9	915.3	700.0	509.6	355.9	241.6
27.5°	2710.8	2324.2	1975.6	1709.1	1444.0	1164.3	919.7	704.4	515.5	360.3	247.5
25°	2625.9	2250.9	1977.1	1706.1	1445.5	1165.7	919.7	704.4	517.0	361.7	251.9
22.5°	2527.7	2250.9	1977.1	1701.8	1436.7	1162.8	915.3	701.5	517.0	364.7	256.3
20°	2533.6	2252.4	1972.7	1693.0	1423.5	1154.0	905.1	694.2	512.6	369.1	259.2
17.5°	2538.0	2249.5	1963.9	1681.2	1405.9	1139.4	891.9	683.9	512.6	373.4	260.7
15°	2538.0	2240.7	1950.7	1663.7	1384.0	1118.9	872.8	675.1	514.0	374.9	263.6
12.5°	2533.6	2224.6	1930.2	1640.2	1357.6	1094.0	861.1	672.2	514.0	376.4	263.6
10°	2524.8	2202.6	1903.9	1611.0	1332.7	1085.2	855.3	666.3	511.1	376.4	263.6
7.5°	2508.7	2176.3	1881.9	1593.4	1318.1	1074.9	846.5	657.6	506.7	373.4	266.5
5°	2483.8	2161.6	1864.3	1572.9	1297.5	1067.6	840.6	650.2	503.8	373.4	263.6
2.5°	2451.6	2144.0	1843.8	1546.5	1274.1	1042.7	821.6	634.1	493.5	367.6	260.7
0°	2398.9	2108.9	1808.7	1509.9	1241.9	1017.8	802.5	618.0	483.3	361.7	257.8
-2.5°	2350.5	2062.0	1763.3	1471.8	1211.1	995.9	787.9	609.2	478.9	360.3	256.3
-5°	2283.2	1997.6	1703.2	1422.0	1170.1	973.9	773.3	599.0	474.5	357.3	256.3
-7.5°	2208.5	1930.2	1640.2	1370.8	1129.1	935.8	745.4	582.9	464.2	351.5	254.8
-10°	2092.8	1829.2	1561.2	1312.2	1085.2	902.1	722.0	568.2	455.5	345.6	249.0
-12.5°	1969.8	1717.9	1470.4	1240.4	1035.4	867.0	695.6	552.1	445.2	339.8	246.0
-15°	1839.4	1603.6	1375.2	1165.7	981.2	824.5	667.8	534.5	435.0	332.4	241.6
-17.5°	1703.2	1483.5	1277.0	1089.6	927.0	780.6	638.5	518.4	423.2	325.1	237.2
-20°	1559.7	1360.5	1177.5	1012.0	869.9	736.6	607.8	499.4	410.1	316.3	231.4



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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°	1417.6	1239.0	1074.9	935.8	811.3	691.2	577.0	480.4	395.4	306.1	227.0
-25°	1291.7	1124.7	984.1	862.6	754.2	647.3	544.8	461.3	379.3	295.8	221.1
-27.5°	1168.7	1026.6	894.8	793.8	698.6	604.8	514.0	440.8	363.2	284.1	215.3
-30°	1054.4	932.9	824.5	726.4	645.8	566.8	487.7	420.3	345.6	272.4	208.0
-32.5°	950.5	852.3	761.5	667.8	596.1	528.7	462.8	399.8	328.0	260.7	200.6
-35°	853.8	777.7	698.6	619.5	546.3	493.5	436.4	377.8	311.9	247.5	193.3
-37.5°	767.4	705.9	642.9	575.5	512.6	459.9	411.5	355.9	295.8	235.8	186.0
-40°	692.7	642.9	587.3	533.1	480.4	430.6	386.6	333.9	279.7	227.0	178.7
-42.5°	623.9	585.8	540.4	495.0	448.1	404.2	361.7	310.5	263.6	216.7	171.3
-45°	571.2	533.1	496.5	455.5	415.9	377.8	335.4	290.0	249.0	205.0	164.0
-47.5°	521.4	487.7	454.0	420.3	388.1	352.9	310.5	272.4	232.9	194.8	158.2
-50°	477.4	445.2	415.9	386.6	358.8	325.1	285.6	254.8	219.7	184.5	150.8
-52.5°	436.4	408.6	379.3	355.9	332.4	298.8	266.5	237.2	206.5	172.8	143.5
-55°	399.8	373.4	347.1	325.1	303.2	273.9	247.5	222.6	193.3	164.0	136.2
-57.5°	364.7	342.7	317.8	297.3	275.3	251.9	229.9	206.5	180.1	155.2	128.9
-60°	332.4	311.9	290.0	269.5	250.4	231.4	210.9	191.8	168.4	145.0	121.6
-62.5°	300.2	282.6	263.6	243.1	228.5	210.9	194.8	175.7	156.7	136.2	108.4
-65°	270.9	254.8	237.2	219.7	206.5	193.3	178.7	161.1	145.0	125.9	96.7
-67.5°	241.6	227.0	212.4	197.7	186.0	175.7	161.1	147.9	134.7	114.2	84.9
-70°	213.8	202.1	188.9	177.2	168.4	156.7	146.5	134.7	123.0	99.6	71.8
-72.5°	187.5	175.7	165.5	156.7	149.4	139.1	130.3	121.6	105.4	83.5	60.0
-75°	156.7	149.4	143.5	136.2	128.9	121.6	114.2	104.0	87.9	67.4	46.9
-77.5°	128.9	124.5	120.1	114.2	108.4	102.5	93.7	83.5	70.3	52.7	38.1
-80°	105.4	101.1	98.1	92.3	87.9	82.0	73.2	64.4	51.3	41.0	30.8
-82.5°	80.5	77.6	74.7	71.8	67.4	61.5	52.7	45.4	38.1	30.8	23.4
-85°	57.1	55.7	52.7	49.8	45.4	41.0	35.1	30.8	26.4	20.5	16.1
-87.5°	29.3	27.8	26.4	24.9	23.4	20.5	17.6	14.6	13.2	10.3	7.3
-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):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	5.9	4.4	1.5	0.0
85°	11.7	7.3	2.9	0.0
82.5°	17.6	11.7	4.4	0.0
80°	23.4	14.6	7.3	0.0
77.5°	29.3	17.6	8.8	0.0
75°	35.1	22.0	10.3	0.0
72.5°	39.5	24.9	11.7	0.0
70°	46.9	29.3	13.2	0.0
67.5°	58.6	32.2	14.6	0.0
65°	68.8	35.1	16.1	0.0
62.5°	80.5	38.1	17.6	0.0
60°	90.8	41.0	19.0	0.0
57.5°	101.1	48.3	20.5	0.0
55°	109.8	54.2	22.0	0.0
52.5°	120.1	60.0	23.4	0.0
50°	128.9	65.9	24.9	0.0
47.5°	136.2	71.8	24.9	0.0
45°	142.1	76.2	26.4	0.0
42.5°	146.5	80.5	27.8	0.0
40°	150.8	84.9	29.3	0.0
37.5°	155.2	89.3	29.3	0.0
35°	159.6	93.7	30.8	0.0
32.5°	164.0	98.1	30.8	0.0
30°	167.0	101.1	32.2	0.0
27.5°	171.3	104.0	32.2	0.0
25°	172.8	106.9	33.7	0.0
22.5°	175.7	108.4	33.7	0.0
20°	178.7	111.3	33.7	0.0
17.5°	180.1	112.8	35.1	0.0
15°	180.1	114.2	36.6	0.0
12.5°	181.6	115.7	36.6	0.0
10°	181.6	118.6	35.1	0.0
7.5°	184.5	117.2	35.1	0.0
5°	183.1	117.2	35.1	0.0
2.5°	181.6	115.7	35.1	0.0
0°	180.1	115.7	35.1	0.0
-2.5°	180.1	115.7	35.1	0.0
-5°	180.1	115.7	35.1	0.0
-7.5°	178.7	117.2	35.1	0.0
-10°	175.7	117.2	35.1	0.0
-12.5°	174.3	112.8	35.1	0.0
-15°	172.8	111.3	35.1	0.0
-17.5°	169.9	109.8	33.7	0.0
-20°	167.0	108.4	33.7	0.0



REPORT NUMBER: P722197

CATALOG NUMBER: IFLD-S-SA3B-830-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	164.0	105.4	33.7	0.0
-25°	161.1	102.5	32.2	0.0
-27.5°	158.2	99.6	32.2	0.0
-30°	153.8	96.7	30.8	0.0
-32.5°	149.4	93.7	30.8	0.0
-35°	146.5	89.3	29.3	0.0
-37.5°	142.1	84.9	29.3	0.0
-40°	137.7	80.5	27.8	0.0
-42.5°	133.3	76.2	26.4	0.0
-45°	127.4	71.8	26.4	0.0
-47.5°	123.0	67.4	24.9	0.0
-50°	115.7	61.5	23.4	0.0
-52.5°	106.9	55.7	22.0	0.0
-55°	98.1	51.3	20.5	0.0
-57.5°	89.3	45.4	20.5	0.0
-60°	80.5	39.5	19.0	0.0
-62.5°	71.8	36.6	17.6	0.0
-65°	63.0	33.7	16.1	0.0
-67.5°	52.7	29.3	14.6	0.0
-70°	43.9	26.4	13.2	0.0
-72.5°	38.1	23.4	11.7	0.0
-75°	32.2	20.5	10.3	0.0
-77.5°	27.8	17.6	8.8	0.0
-80°	22.0	13.2	5.9	0.0
-82.5°	16.1	10.3	4.4	0.0
-85°	10.3	7.3	2.9	0.0
-87.5°	5.9	2.9	1.5	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)