

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: P722016

Luminaire Tested: **IFLD-L-SA8D-727-U-76**

Issue Date: 10/26/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722016  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 10/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-727-U-76  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens  
Light Source: (128) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

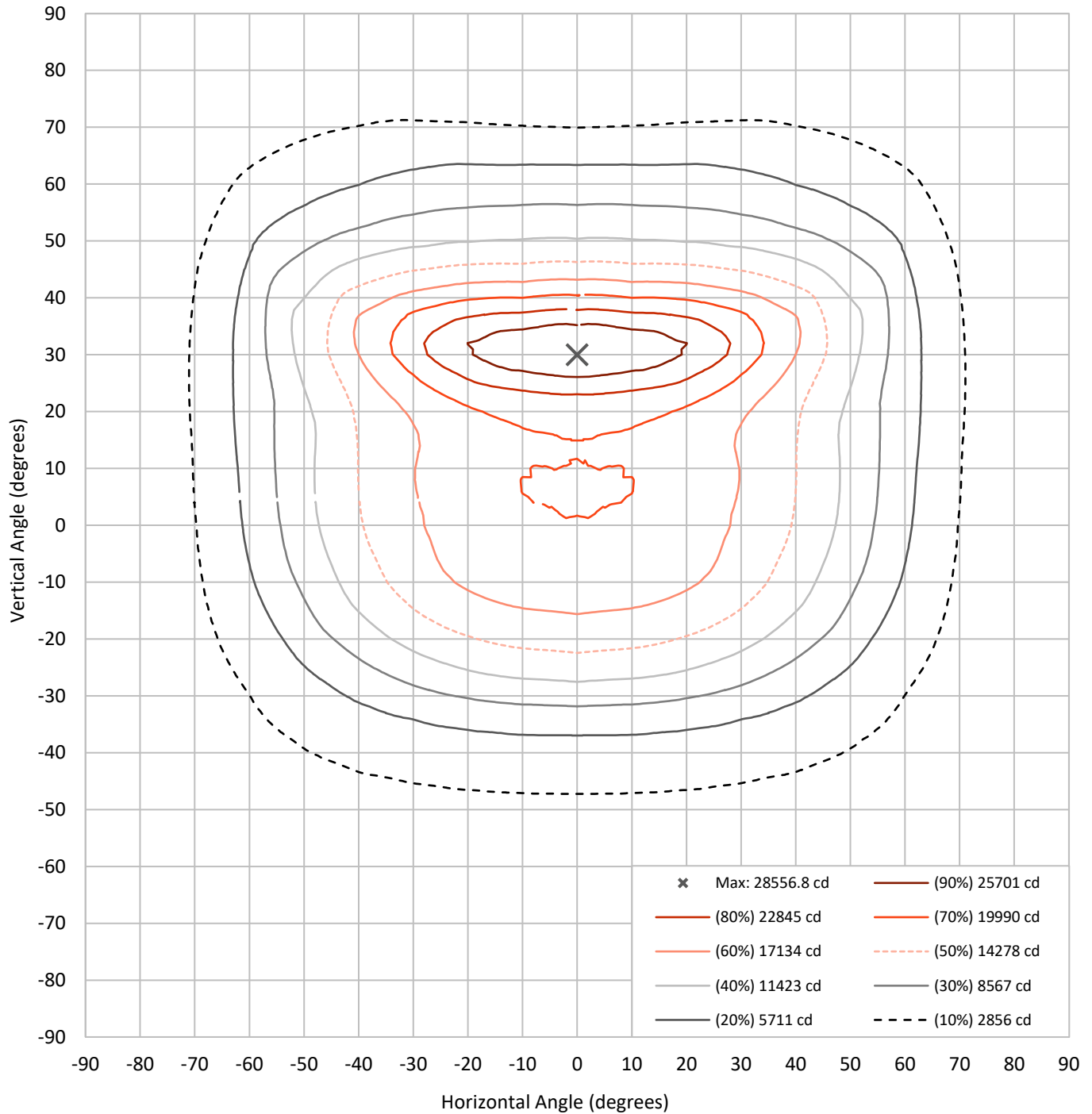
Lumens per Lamp: N/A	NEMA Type: 7H x 6V
Luminaire Lumens: 47668.4 lumens	Max Intensity: 28556.8 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 30°V
Efficacy: 97.6 lumens/watt	
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')	
Beam Angle (50%): 90.8°H x 68.8°V	Field Angle (10%): 142°H x 117.1°V
Beam Lumens: 27719.7 lumens	Field Lumens: 44671.5 lumens
Beam Efficiency: 58.2%	Field Efficiency: 93.7%

Input Watts (W): 488.3  
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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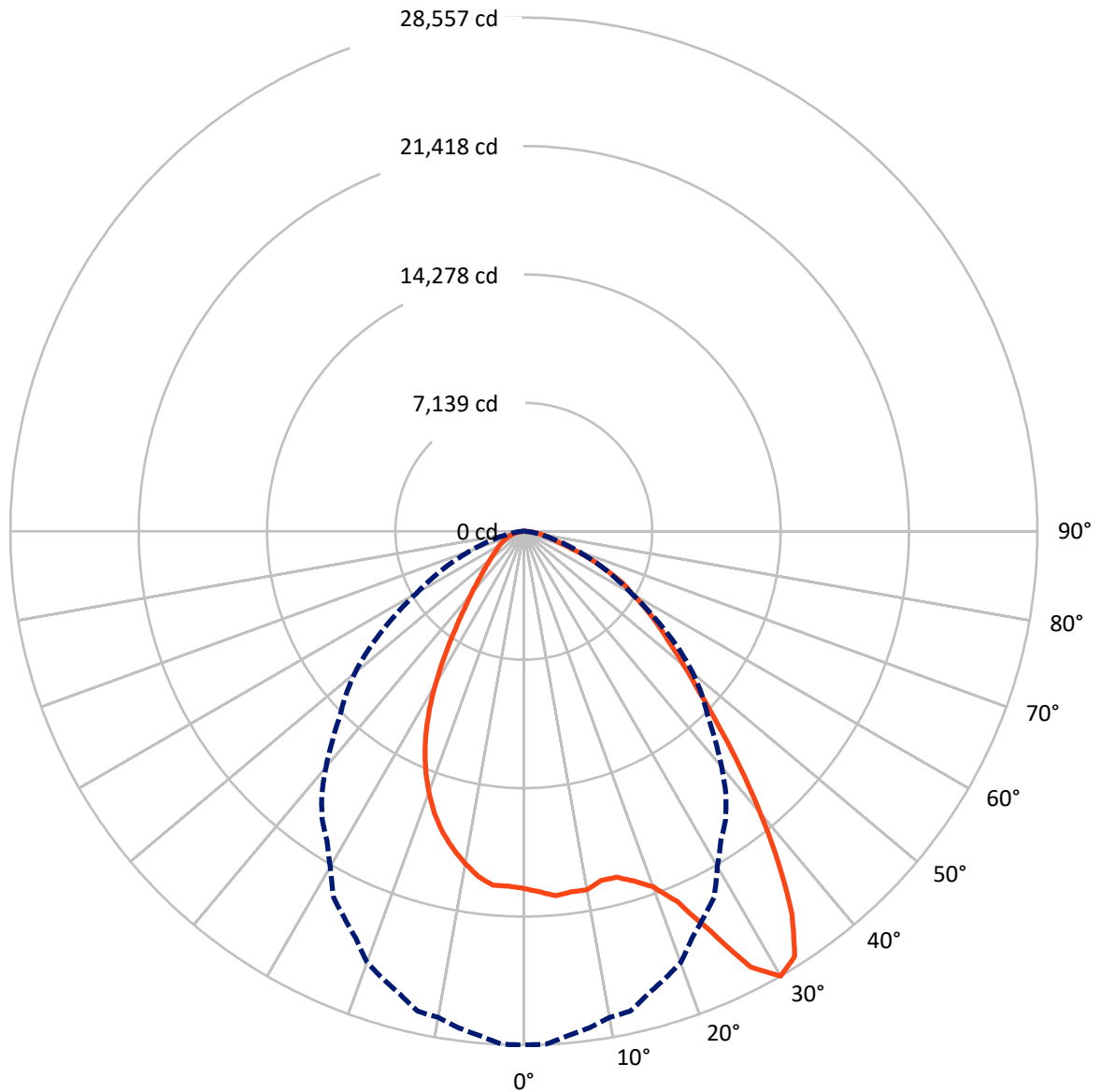
### Iso-Candela Plot





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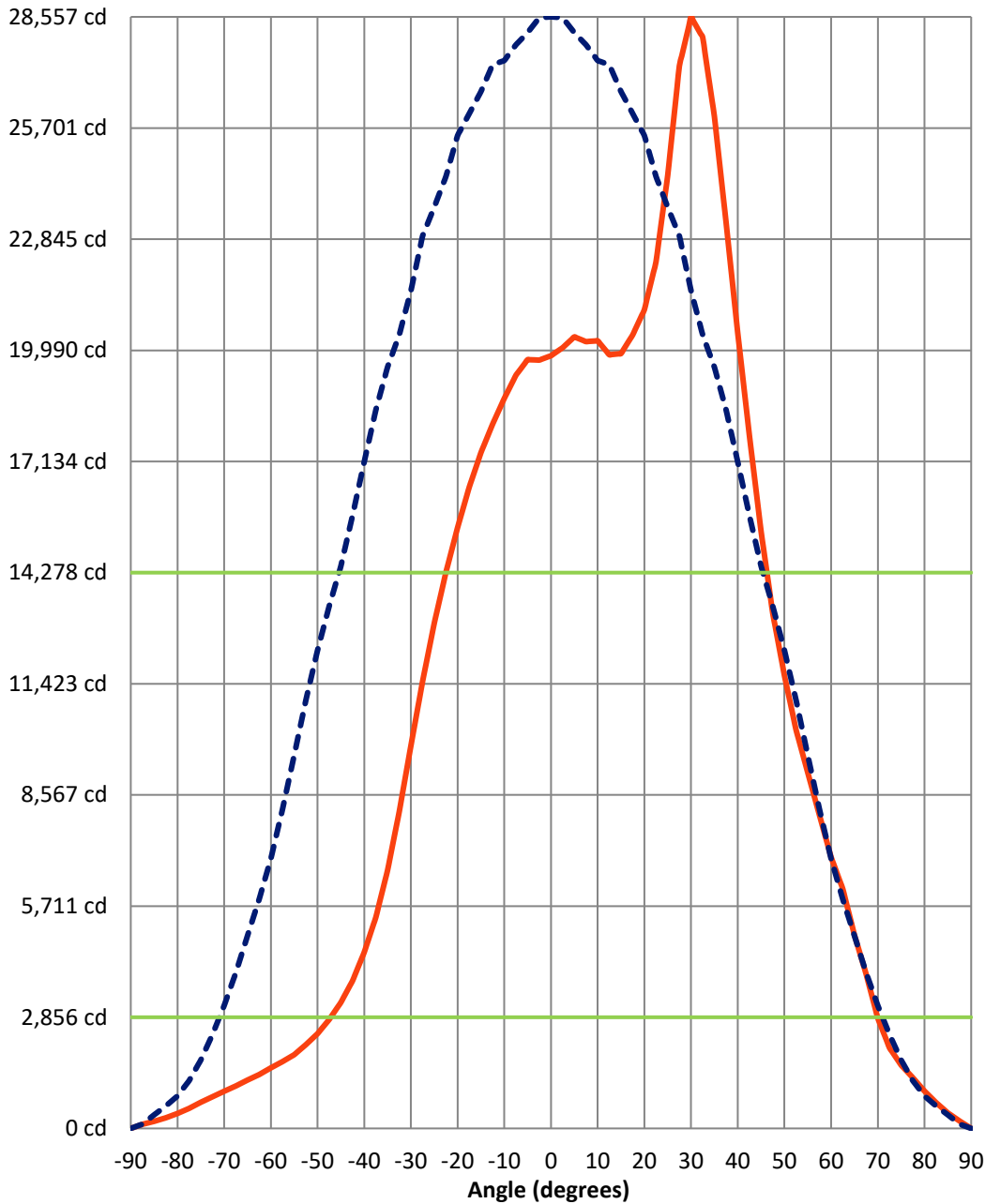
### Luminous Intensity Polar Plot



— 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: 27719.7  
 Efficiency: 58.2%

**Field:**  
 H Angle: 142°  
 V Angle: 117.1°  
 Lumens: 44671.5  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 2996.9  
 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°	191.9	196.9	202.0	202.0	196.9	196.9	196.9	191.9	196.9	196.9	196.9
85°	398.9	409.0	419.1	414.1	409.0	398.9	388.8	393.9	398.9	404.0	404.0
82.5°	661.5	676.7	686.8	681.7	671.6	661.5	651.4	656.5	666.6	671.6	671.6
80°	959.5	964.5	969.6	979.7	964.5	964.5	959.5	979.7	989.8	999.9	1010.0
77.5°	1302.9	1307.9	1307.9	1313.0	1318.0	1323.1	1323.1	1358.4	1383.7	1398.8	1414.0
75°	1626.0	1641.2	1656.3	1671.5	1691.7	1701.8	1716.9	1767.4	1807.8	1838.1	1868.4
72.5°	2070.4	2090.6	2115.9	2151.2	2186.6	2211.8	2247.2	2307.8	2353.2	2383.5	2418.9
70°	2833.0	2853.2	2878.4	2903.7	2939.0	2964.2	2999.6	3075.3	3120.8	3141.0	3161.2
67.5°	3964.1	4014.6	4060.1	4009.6	3984.3	3949.0	3959.1	4029.8	4075.2	4105.5	4100.5
65°	4969.0	5004.4	5004.4	4999.3	4979.1	4933.7	4958.9	5044.8	5095.3	5120.5	5044.8
62.5°	6150.7	6150.7	6125.4	6165.8	6170.9	6140.6	6125.4	6130.5	6135.5	6150.7	6024.4
60°	6968.8	7019.3	7034.4	7069.8	7079.9	7079.9	7105.1	7125.3	7125.3	7095.0	6948.6
57.5°	8049.4	8145.4	8165.6	8140.3	8089.8	8024.2	8014.1	7983.8	7923.2	7862.6	7791.9
55°	9140.2	9190.7	9185.6	9170.5	9120.0	9044.2	9054.3	9013.9	8918.0	8842.2	8746.3
52.5°	10236.0	10357.2	10377.4	10347.1	10276.4	10195.6	10200.6	10155.2	10059.3	9978.5	9847.2
50°	11634.8	11735.8	11725.7	11675.2	11574.2	11513.6	11518.7	11432.8	11321.7	11296.5	11124.8
47.5°	13235.6	13351.7	13331.5	13260.8	13124.5	13099.2	13124.5	13013.4	12947.8	12892.2	12690.2
45°	15336.3	15472.7	15396.9	15260.6	15043.4	15068.7	15104.0	15083.8	14942.4	14796.0	14538.5
42.5°	17800.6	17886.5	17795.6	17659.2	17386.6	17437.1	17416.9	17295.7	17209.8	16967.4	16639.2
40°	20436.6	20623.5	20482.1	20270.0	19987.2	20063.0	20007.4	19850.9	19648.9	19345.9	18931.8
37.5°	23279.7	23426.1	23264.5	23017.1	22764.6	22739.4	22628.3	22385.9	22098.0	21764.8	21103.2
35°	26001.6	26380.3	26082.4	25688.5	25380.4	25264.3	25158.2	24597.7	24269.5	23729.1	22825.2
32.5°	28026.5	28304.3	27935.6	27526.6	27152.9	26991.3	26617.6	25951.1	25774.3	24638.1	23809.9
30°	28556.8	28536.6	28152.8	27839.7	27435.7	27324.6	26637.8	26072.3	25506.7	24456.3	23668.5
27.5°	27294.3	27168.1	26799.4	26526.7	26127.8	25996.5	25319.8	25016.8	24143.2	23254.5	22587.9
25°	24481.6	24547.2	24269.5	24133.1	23870.5	23587.7	23320.1	22911.1	22365.7	21588.0	20977.0
22.5°	22264.7	22350.5	22234.4	22072.8	21870.8	21714.3	21512.3	21194.1	20668.9	20189.2	19613.5
20°	21032.5	21007.3	20906.3	20785.1	20593.2	20482.1	20259.9	19992.3	19588.3	19174.2	18553.1
17.5°	20386.1	20229.6	20133.7	20088.2	19987.2	19845.8	19583.2	19310.5	18997.4	18527.8	18073.3
15°	19906.4	19931.7	19855.9	19820.6	19739.8	19542.8	19275.2	19053.0	18628.8	18391.5	17977.4
12.5°	19876.1	19850.9	19855.9	19840.8	19739.8	19487.3	19350.9	19068.1	18795.5	18482.4	18007.7
10°	20234.7	19967.0	19987.2	20057.9	19896.3	19694.3	19547.9	19239.8	18982.3	18583.4	18113.7
7.5°	20214.5	20078.1	20118.5	20002.4	20052.9	19805.4	19603.4	19295.4	18972.2	18548.0	18123.8
5°	20335.7	20128.6	20093.3	20103.4	19977.1	19790.3	19517.6	19224.7	18921.7	18447.0	18012.7
2.5°	20057.9	20088.2	19926.6	19866.0	19850.9	19537.8	19285.3	19002.5	18689.4	18270.3	17881.4
0°	19850.9	19906.4	19739.8	19653.9	19648.9	19381.2	19219.6	18896.5	18674.3	18325.8	17856.2
-2.5°	19739.8	19805.4	19825.6	19669.1	19517.6	19310.5	19037.8	18689.4	18325.8	17921.8	17517.8
-5°	19749.9	19618.6	19563.0	19613.5	19482.2	19275.2	18972.2	18664.2	18305.6	17871.3	17366.4
-7.5°	19350.9	19219.6	19209.5	19184.3	19154.0	18957.0	18704.6	18371.3	18007.7	17603.7	17134.1
-10°	18755.1	18659.1	18633.9	18608.6	18527.8	18411.7	18174.3	17871.3	17543.1	17139.1	16639.2
-12.5°	18093.5	18048.1	17952.1	17886.5	17805.7	17669.3	17442.1	17164.4	16836.1	16477.6	16048.3
-15°	17361.3	17275.5	17179.5	17124.0	17007.8	16846.2	16619.0	16361.4	16002.9	15649.4	15245.4
-17.5°	16477.6	16371.5	16265.5	16250.3	16169.5	15922.1	15710.0	15396.9	15083.8	14745.5	14351.6
-20°	15437.3	15290.9	15220.2	15179.8	15068.7	14886.9	14659.6	14371.8	14068.8	13745.6	13291.1



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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°	14286.0	14159.7	14038.5	13962.8	13866.8	13725.4	13508.3	13255.8	12957.9	12594.3	12175.1
-25°	12978.1	12801.3	12725.6	12639.7	12589.2	12457.9	12245.8	12013.5	11705.5	11352.0	10953.1
-27.5°	11483.3	11341.9	11301.5	11180.3	11119.7	10983.4	10806.6	10589.5	10306.7	9973.4	9645.2
-30°	9832.0	9746.2	9680.5	9559.3	9513.9	9367.4	9251.3	9069.5	8811.9	8574.6	8312.0
-32.5°	8135.3	8049.4	8029.2	7973.7	7943.4	7847.4	7716.1	7584.8	7377.8	7201.1	6989.0
-35°	6630.4	6569.8	6574.9	6569.8	6539.5	6468.8	6307.2	6271.9	6120.4	5958.8	5822.4
-37.5°	5428.6	5433.6	5428.6	5423.5	5383.1	5352.8	5236.7	5191.2	5100.3	4943.8	4863.0
-40°	4524.6	4534.7	4529.7	4519.6	4474.1	4459.0	4383.2	4322.7	4287.3	4176.2	4090.4
-42.5°	3792.4	3807.6	3802.5	3797.5	3767.2	3762.1	3721.7	3651.0	3630.8	3565.2	3474.3
-45°	3236.9	3231.9	3221.8	3231.9	3216.7	3201.6	3176.3	3130.9	3105.6	3075.3	2999.6
-47.5°	2797.6	2802.7	2792.6	2792.6	2772.4	2757.2	2747.1	2716.8	2696.6	2671.4	2625.9
-50°	2434.0	2454.2	2449.2	2444.1	2429.0	2418.9	2418.9	2388.6	2358.3	2348.2	2317.9
-52.5°	2151.2	2166.4	2171.4	2181.5	2186.6	2191.6	2176.5	2146.2	2095.7	2090.6	2075.5
-55°	1893.7	1939.1	1969.4	1989.6	2009.8	2025.0	1994.7	1954.3	1903.8	1883.6	1878.5
-57.5°	1716.9	1762.4	1797.7	1828.0	1853.3	1878.5	1848.2	1807.8	1762.4	1737.1	1732.1
-60°	1555.3	1595.7	1631.1	1671.5	1706.8	1747.2	1732.1	1701.8	1676.5	1656.3	1636.1
-62.5°	1383.7	1424.1	1464.4	1514.9	1560.4	1600.8	1605.8	1600.8	1595.7	1600.8	1565.4
-65°	1242.3	1262.5	1287.7	1343.3	1393.8	1439.2	1464.4	1479.6	1504.8	1530.1	1494.7
-67.5°	1090.8	1116.0	1146.3	1186.7	1227.1	1257.4	1292.8	1333.2	1373.6	1414.0	1388.7
-70°	954.4	974.6	999.9	1020.1	1045.3	1065.5	1095.8	1141.3	1186.7	1227.1	1217.0
-72.5°	813.0	833.2	848.4	858.5	873.6	883.7	898.9	939.3	969.6	989.8	989.8
-75°	671.6	691.8	707.0	712.0	722.1	727.2	737.3	752.4	767.6	772.6	777.7
-77.5°	515.1	535.3	550.4	560.5	570.6	580.7	585.8	595.9	600.9	600.9	606.0
-80°	383.8	398.9	409.0	424.2	429.2	439.3	449.4	454.5	459.5	459.5	464.6
-82.5°	272.7	282.8	292.9	303.0	313.1	318.1	328.2	333.3	338.3	343.4	348.4
-85°	181.8	191.9	202.0	212.1	217.1	222.2	227.2	232.3	237.3	242.4	247.4
-87.5°	106.0	111.1	116.1	126.2	131.3	141.4	146.4	141.4	146.4	146.4	146.4
-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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**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°	196.9	196.9	196.9	196.9	191.9	181.8	176.7	166.6	156.5	146.4	136.3
85°	409.0	414.1	414.1	414.1	404.0	398.9	383.8	368.6	348.4	318.1	292.9
82.5°	681.7	686.8	686.8	681.7	671.6	656.5	636.3	611.0	570.6	530.2	494.9
80°	1025.1	1030.2	1030.2	1025.1	999.9	974.6	949.4	919.1	868.6	813.0	752.4
77.5°	1434.2	1444.3	1444.3	1429.1	1393.8	1363.5	1323.1	1272.6	1196.8	1116.0	1035.2
75°	1908.8	1934.1	1939.1	1924.0	1878.5	1823.0	1757.3	1671.5	1555.3	1454.3	1358.4
72.5°	2459.3	2484.5	2504.7	2484.5	2418.9	2343.1	2247.2	2146.2	2030.0	1893.7	1732.1
70°	3181.4	3206.6	3221.8	3156.1	3040.0	2913.7	2797.6	2681.5	2545.1	2378.5	2201.7
67.5°	4090.4	4065.1	4034.8	3903.5	3757.1	3605.6	3444.0	3272.3	3095.5	2918.8	2711.8
65°	4964.0	4893.3	4827.6	4671.1	4484.2	4287.3	4100.5	3908.6	3696.5	3474.3	3277.3
62.5°	5883.0	5731.6	5570.0	5378.1	5186.2	4969.0	4782.2	4554.9	4317.6	4044.9	3792.4
60°	6787.0	6605.2	6443.6	6206.2	5953.7	5660.9	5458.9	5236.7	4958.9	4666.0	4368.1
57.5°	7660.6	7463.6	7286.9	7079.9	6807.2	6489.0	6266.8	5979.0	5686.1	5317.5	5014.5
55°	8589.8	8392.8	8251.4	8019.1	7721.2	7428.3	7185.9	6882.9	6473.9	6080.0	5706.3
52.5°	9655.3	9498.7	9347.2	9109.9	8751.3	8453.4	8185.8	7847.4	7418.2	6933.4	6484.0
50°	10847.0	10766.2	10604.6	10326.9	9917.9	9655.3	9301.8	8852.3	8392.8	7882.8	7322.2
47.5°	12427.6	12296.3	12069.1	11766.1	11422.7	11028.8	10554.1	10029.0	9377.5	8811.9	8216.1
45°	14316.3	14073.9	13781.0	13371.9	12947.8	12503.4	11983.2	11316.7	10443.0	9705.8	9079.6
42.5°	16361.4	16033.2	15634.3	15099.0	14548.5	14003.2	13442.6	12533.7	11442.9	10594.5	9887.6
40°	18497.5	18078.4	17578.4	16800.8	16189.7	15487.8	14846.5	13488.1	12326.6	11407.6	10655.1
37.5°	20588.1	20057.9	19219.6	18275.3	17563.3	16987.6	15578.7	14124.4	13084.1	12074.1	11311.6
35°	22188.9	21739.5	20259.9	19280.2	18669.2	17760.2	15997.8	14508.2	13407.3	12569.0	11382.3
32.5°	23138.3	21976.8	20679.0	19689.3	19184.3	17694.6	16028.1	14619.2	13558.8	12619.5	11200.5
30°	22926.2	21522.4	20386.1	19558.0	18462.2	17124.0	15745.4	14447.6	13417.4	12281.2	10998.5
27.5°	21648.6	20562.9	19547.9	18684.4	17608.7	16406.9	15134.3	13993.1	13033.6	11932.7	10720.8
25°	20204.4	19219.6	18467.2	17714.8	16694.7	15548.4	14427.4	13604.2	12639.7	11554.0	10357.2
22.5°	18876.3	18169.3	17578.4	16790.7	15795.9	14796.0	14099.1	13245.7	12255.9	11155.1	9983.5
20°	18027.9	17548.1	16871.5	16002.9	15220.2	14594.0	13821.4	12917.5	11897.4	10746.0	9665.4
17.5°	17618.8	17063.4	16310.9	15745.4	15144.4	14457.7	13594.1	12634.7	11549.0	10559.2	9700.7
15°	17406.8	16821.0	16326.1	15770.6	15093.9	14371.8	13412.3	12417.5	11549.0	10634.9	9726.0
12.5°	17452.2	16947.2	16406.9	15800.9	15073.7	14301.1	13432.5	12508.4	11609.6	10690.5	9731.0
10°	17593.6	17063.4	16487.7	15816.1	15083.8	14321.3	13488.1	12564.0	11639.8	10715.7	9720.9
7.5°	17644.1	17068.4	16452.3	15775.7	15058.6	14311.2	13498.2	12579.1	11644.9	10710.7	9690.6
5°	17487.5	16967.4	16371.5	15689.8	14987.9	14260.7	13457.8	12558.9	11604.5	10660.2	9614.9
2.5°	17275.5	16856.3	16285.7	15629.2	14917.2	14190.0	13392.1	12468.0	11513.6	10569.3	9518.9
0°	17240.1	16720.0	16144.3	15558.5	14801.0	14033.5	13240.6	12296.3	11347.0	10397.6	9352.3
-2.5°	17007.8	16457.4	15881.7	15245.4	14578.8	13806.2	12973.0	12048.9	11109.6	10175.4	9170.5
-5°	16831.1	16220.0	15609.0	14922.2	14250.6	13478.0	12614.5	11715.6	10796.5	9887.6	8918.0
-7.5°	16593.7	15967.6	15326.2	14609.1	13882.0	13094.2	12240.8	11341.9	10438.0	9534.1	8604.9
-10°	16114.0	15563.6	14962.6	14220.3	13452.7	12665.0	11816.6	10932.9	10029.0	9114.9	8180.7
-12.5°	15533.3	14952.5	14296.1	13614.3	12927.6	12195.3	11347.0	10478.4	9569.4	8650.4	7721.2
-15°	14780.8	14210.2	13538.6	12872.0	12210.5	11508.6	10761.2	9978.5	9054.3	8150.4	7221.3
-17.5°	13841.6	13306.3	12705.4	12069.1	11412.6	10705.6	9978.5	9316.9	8453.4	7605.0	6686.0
-20°	12831.6	12331.7	11791.3	11190.4	10533.9	9842.1	9155.3	8463.5	7716.1	6968.8	6115.3



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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°	11781.2	11276.3	10730.9	10170.4	9564.4	8923.0	8286.8	7625.2	6968.8	6292.1	5570.0
-25°	10569.3	10124.9	9625.0	9079.6	8539.3	7978.7	7372.7	6771.8	6211.3	5625.5	5034.7
-27.5°	9301.8	8892.7	8438.3	7963.6	7499.0	7029.4	6504.2	5948.7	5484.1	4999.3	4509.5
-30°	7968.6	7640.4	7271.7	6857.7	6499.1	6120.4	5681.1	5221.5	4797.3	4428.7	4034.8
-32.5°	6706.2	6428.4	6165.8	5893.1	5539.7	5246.8	4943.8	4605.4	4231.8	3883.3	3600.5
-35°	5620.5	5322.5	5211.4	5009.4	4756.9	4499.4	4277.2	4034.8	3752.0	3444.0	3211.7
-37.5°	4706.4	4529.7	4373.1	4262.1	4095.4	3888.4	3711.6	3534.9	3317.7	3085.4	2853.2
-40°	3994.4	3873.2	3701.5	3646.0	3539.9	3398.5	3216.7	3080.4	2933.9	2757.2	2560.3
-42.5°	3423.8	3332.9	3221.8	3125.8	3080.4	2979.4	2838.0	2706.7	2590.6	2469.4	2317.9
-45°	2954.1	2893.6	2822.9	2737.0	2701.7	2620.9	2519.9	2373.4	2307.8	2206.8	2095.7
-47.5°	2575.4	2545.1	2494.6	2439.1	2388.6	2328.0	2237.1	2146.2	2055.3	1989.6	1903.8
-50°	2277.5	2257.3	2227.0	2181.5	2115.9	2075.5	2014.9	1934.1	1848.2	1792.7	1732.1
-52.5°	2040.1	2019.9	1999.7	1964.4	1913.9	1873.5	1823.0	1757.3	1686.6	1631.1	1580.6
-55°	1858.3	1828.0	1812.9	1782.6	1742.2	1696.7	1651.3	1605.8	1545.2	1494.7	1444.3
-57.5°	1716.9	1676.5	1656.3	1631.1	1590.7	1545.2	1509.9	1464.4	1424.1	1368.5	1323.1
-60°	1605.8	1560.4	1520.0	1494.7	1459.4	1414.0	1378.6	1343.3	1302.9	1257.4	1201.9
-62.5°	1514.9	1459.4	1403.9	1373.6	1338.2	1297.8	1262.5	1227.1	1186.7	1141.3	1090.8
-65°	1429.1	1363.5	1292.8	1262.5	1227.1	1186.7	1141.3	1116.0	1080.7	1040.3	989.8
-67.5°	1323.1	1252.4	1191.8	1156.4	1121.1	1085.7	1045.3	1020.1	984.7	934.2	883.7
-70°	1166.5	1121.1	1080.7	1050.4	1020.1	989.8	949.4	909.0	868.6	823.1	777.7
-72.5°	969.6	954.4	949.4	934.2	898.9	863.5	823.1	782.7	747.4	712.0	676.7
-75°	782.7	792.8	802.9	797.9	762.5	727.2	691.8	656.5	631.2	600.9	570.6
-77.5°	621.1	631.2	641.3	641.3	616.1	595.9	570.6	545.4	525.2	499.9	469.6
-80°	479.7	494.9	510.0	520.1	499.9	484.8	464.6	444.4	424.2	404.0	383.8
-82.5°	363.6	378.7	393.9	404.0	388.8	378.7	363.6	348.4	333.3	313.1	297.9
-85°	262.6	272.7	282.8	287.8	277.7	267.6	257.5	247.4	237.3	222.2	212.1
-87.5°	151.5	156.5	161.6	166.6	156.5	146.4	141.4	131.3	126.2	116.1	111.1
-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):**

	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°	126.2	116.1	106.0	101.0	90.9	75.7	65.6	55.5	45.4	35.3	30.3
85°	267.6	242.4	212.1	196.9	176.7	156.5	136.3	116.1	95.9	75.7	55.5
82.5°	459.5	429.2	398.9	363.6	318.1	262.6	207.0	171.7	141.4	111.1	85.8
80°	691.8	636.3	585.8	540.3	489.8	419.1	343.4	272.7	191.9	146.4	111.1
77.5°	959.5	893.8	823.1	747.4	666.6	570.6	484.8	393.9	297.9	202.0	141.4
75°	1262.5	1176.6	1080.7	974.6	868.6	742.3	621.1	515.1	404.0	282.8	171.7
72.5°	1600.8	1494.7	1378.6	1237.2	1070.6	924.1	777.7	636.3	505.0	358.5	232.3
70°	2035.1	1868.4	1696.7	1545.2	1333.2	1100.9	929.2	767.6	600.9	439.3	292.9
67.5°	2499.7	2297.7	2090.6	1868.4	1600.8	1328.1	1080.7	898.9	701.9	515.1	348.4
65°	3004.6	2752.2	2489.6	2242.1	1873.5	1550.3	1272.6	1025.1	797.9	585.8	404.0
62.5°	3524.8	3226.8	2923.8	2600.7	2176.5	1777.5	1454.3	1166.5	888.8	651.4	454.5
60°	4080.3	3731.8	3363.2	2959.2	2464.3	2025.0	1626.0	1313.0	984.7	717.1	510.0
57.5°	4666.0	4287.3	3853.0	3307.6	2762.3	2262.3	1823.0	1444.3	1070.6	777.7	550.4
55°	5302.3	4868.0	4393.3	3671.2	3055.1	2499.7	2019.9	1575.5	1161.5	828.2	590.8
52.5°	5989.1	5484.1	4883.2	4055.0	3363.2	2742.1	2201.7	1691.7	1247.3	883.7	626.2
50°	6756.7	6120.4	5312.4	4408.5	3630.8	2969.3	2383.5	1817.9	1318.0	944.3	656.5
47.5°	7554.5	6867.8	5696.2	4736.7	3903.5	3191.5	2570.4	1929.0	1388.7	994.8	686.8
45°	8387.8	7387.9	6095.1	5029.6	4140.9	3393.5	2711.8	2030.0	1474.5	1040.3	712.0
42.5°	9210.9	7781.8	6443.6	5322.5	4363.0	3575.3	2827.9	2126.0	1545.2	1085.7	737.3
40°	9599.7	8079.7	6721.3	5524.5	4549.9	3736.9	2928.9	2211.8	1605.8	1116.0	762.5
37.5°	9761.3	8261.5	6903.1	5716.4	4696.3	3822.7	3014.7	2287.6	1656.3	1146.3	782.7
35°	9796.7	8327.2	6994.0	5847.7	4817.5	3903.5	3080.4	2343.1	1696.7	1176.6	802.9
32.5°	9731.0	8307.0	7019.3	5893.1	4893.3	3964.1	3125.8	2383.5	1727.0	1206.9	823.1
30°	9584.6	8200.9	6928.4	5888.1	4948.8	3999.5	3156.1	2413.8	1757.3	1227.1	833.2
27.5°	9347.2	8014.1	6812.2	5893.1	4979.1	4014.6	3171.3	2429.0	1777.5	1242.3	853.4
25°	9054.3	7761.6	6817.3	5883.0	4984.2	4019.7	3171.3	2429.0	1782.6	1247.3	868.6
22.5°	8716.0	7761.6	6817.3	5867.9	4953.9	4009.6	3156.1	2418.9	1782.6	1257.4	883.7
20°	8736.2	7766.6	6802.1	5837.6	4908.4	3979.3	3120.8	2393.6	1767.4	1272.6	893.8
17.5°	8751.3	7756.5	6771.8	5797.2	4847.8	3928.8	3075.3	2358.3	1767.4	1287.7	898.9
15°	8751.3	7726.2	6726.4	5736.6	4772.1	3858.1	3009.7	2328.0	1772.5	1292.8	909.0
12.5°	8736.2	7670.7	6655.7	5655.8	4681.2	3772.2	2969.3	2317.9	1772.5	1297.8	909.0
10°	8705.9	7594.9	6564.8	5554.8	4595.3	3741.9	2949.1	2297.7	1762.4	1297.8	909.0
7.5°	8650.4	7504.0	6489.0	5494.2	4544.8	3706.6	2918.8	2267.4	1747.2	1287.7	919.1
5°	8564.5	7453.5	6428.4	5423.5	4474.1	3681.3	2898.6	2242.1	1737.1	1287.7	909.0
2.5°	8453.4	7392.9	6357.7	5332.6	4393.3	3595.5	2833.0	2186.6	1701.8	1267.5	898.9
0°	8271.6	7271.7	6236.5	5206.4	4282.3	3509.6	2767.3	2131.0	1666.4	1247.3	888.8
-2.5°	8105.0	7110.2	6080.0	5075.1	4176.2	3433.9	2716.8	2100.7	1651.3	1242.3	883.7
-5°	7872.7	6888.0	5872.9	4903.4	4034.8	3358.1	2666.3	2065.4	1636.1	1232.2	883.7
-7.5°	7615.1	6655.7	5655.8	4726.6	3893.4	3226.8	2570.4	2009.8	1600.8	1212.0	878.7
-10°	7216.2	6307.2	5383.1	4524.6	3741.9	3110.7	2489.6	1959.3	1570.5	1191.8	858.5
-12.5°	6792.0	5923.4	5070.0	4277.2	3570.2	2989.5	2398.7	1903.8	1535.1	1171.6	848.4
-15°	6342.6	5529.6	4741.8	4019.7	3383.4	2843.1	2302.7	1843.2	1499.8	1146.3	833.2
-17.5°	5872.9	5115.5	4403.4	3757.1	3196.5	2691.6	2201.7	1787.6	1459.4	1121.1	818.1
-20°	5378.1	4691.3	4060.1	3489.4	2999.6	2540.1	2095.7	1722.0	1414.0	1090.8	797.9



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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°	4888.2	4272.2	3706.6	3226.8	2797.6	2383.5	1989.6	1656.3	1363.5	1055.4	782.7
-25°	4453.9	3878.3	3393.5	2974.3	2600.7	2232.0	1878.5	1590.7	1307.9	1020.1	762.5
-27.5°	4029.8	3539.9	3085.4	2737.0	2408.8	2085.6	1772.5	1520.0	1252.4	979.7	742.3
-30°	3635.9	3216.7	2843.1	2504.7	2227.0	1954.3	1681.6	1449.3	1191.8	939.3	717.1
-32.5°	3277.3	2939.0	2625.9	2302.7	2055.3	1823.0	1595.7	1378.6	1131.2	898.9	691.8
-35°	2944.0	2681.5	2408.8	2136.1	1883.6	1701.8	1504.8	1302.9	1075.6	853.4	666.6
-37.5°	2646.1	2434.0	2216.9	1984.6	1767.4	1585.6	1419.0	1227.1	1020.1	813.0	641.3
-40°	2388.6	2216.9	2025.0	1838.1	1656.3	1484.6	1333.2	1151.4	964.5	782.7	616.1
-42.5°	2151.2	2019.9	1863.4	1706.8	1545.2	1393.8	1247.3	1070.6	909.0	747.4	590.8
-45°	1969.4	1838.1	1711.9	1570.5	1434.2	1302.9	1156.4	999.9	858.5	707.0	565.6
-47.5°	1797.7	1681.6	1565.4	1449.3	1338.2	1217.0	1070.6	939.3	802.9	671.6	545.4
-50°	1646.2	1535.1	1434.2	1333.2	1237.2	1121.1	984.7	878.7	757.5	636.3	520.1
-52.5°	1504.8	1408.9	1307.9	1227.1	1146.3	1030.2	919.1	818.1	712.0	595.9	494.9
-55°	1378.6	1287.7	1196.8	1121.1	1045.3	944.3	853.4	767.6	666.6	565.6	469.6
-57.5°	1257.4	1181.7	1095.8	1025.1	949.4	868.6	792.8	712.0	621.1	535.3	444.4
-60°	1146.3	1075.6	999.9	929.2	863.5	797.9	727.2	661.5	580.7	499.9	419.1
-62.5°	1035.2	974.6	909.0	838.3	787.8	727.2	671.6	606.0	540.3	469.6	373.7
-65°	934.2	878.7	818.1	757.5	712.0	666.6	616.1	555.5	499.9	434.3	333.3
-67.5°	833.2	782.7	732.2	681.7	641.3	606.0	555.5	510.0	464.6	393.9	292.9
-70°	737.3	696.9	651.4	611.0	580.7	540.3	505.0	464.6	424.2	343.4	247.4
-72.5°	646.4	606.0	570.6	540.3	515.1	479.7	449.4	419.1	363.6	287.8	207.0
-75°	540.3	515.1	494.9	469.6	444.4	419.1	393.9	358.5	303.0	232.3	161.6
-77.5°	444.4	429.2	414.1	393.9	373.7	353.5	323.2	287.8	242.4	181.8	131.3
-80°	363.6	348.4	338.3	318.1	303.0	282.8	252.5	222.2	176.7	141.4	106.0
-82.5°	277.7	267.6	257.5	247.4	232.3	212.1	181.8	156.5	131.3	106.0	80.8
-85°	196.9	191.9	181.8	171.7	156.5	141.4	121.2	106.0	90.9	70.7	55.5
-87.5°	101.0	95.9	90.9	85.8	80.8	70.7	60.6	50.5	45.4	35.3	25.2
-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-L-SA8D-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	20.2	15.1	5.0	0.0
85°	40.4	25.2	10.1	0.0
82.5°	60.6	40.4	15.1	0.0
80°	80.8	50.5	25.2	0.0
77.5°	101.0	60.6	30.3	0.0
75°	121.2	75.7	35.3	0.0
72.5°	136.3	85.8	40.4	0.0
70°	161.6	101.0	45.4	0.0
67.5°	202.0	111.1	50.5	0.0
65°	237.3	121.2	55.5	0.0
62.5°	277.7	131.3	60.6	0.0
60°	313.1	141.4	65.6	0.0
57.5°	348.4	166.6	70.7	0.0
55°	378.7	186.8	75.7	0.0
52.5°	414.1	207.0	80.8	0.0
50°	444.4	227.2	85.8	0.0
47.5°	469.6	247.4	85.8	0.0
45°	489.8	262.6	90.9	0.0
42.5°	505.0	277.7	95.9	0.0
40°	520.1	292.9	101.0	0.0
37.5°	535.3	308.0	101.0	0.0
35°	550.4	323.2	106.0	0.0
32.5°	565.6	338.3	106.0	0.0
30°	575.7	348.4	111.1	0.0
27.5°	590.8	358.5	111.1	0.0
25°	595.9	368.6	116.1	0.0
22.5°	606.0	373.7	116.1	0.0
20°	616.1	383.8	116.1	0.0
17.5°	621.1	388.8	121.2	0.0
15°	621.1	393.9	126.2	0.0
12.5°	626.2	398.9	126.2	0.0
10°	626.2	409.0	121.2	0.0
7.5°	636.3	404.0	121.2	0.0
5°	631.2	404.0	121.2	0.0
2.5°	626.2	398.9	121.2	0.0
0°	621.1	398.9	121.2	0.0
-2.5°	621.1	398.9	121.2	0.0
-5°	621.1	398.9	121.2	0.0
-7.5°	616.1	404.0	121.2	0.0
-10°	606.0	404.0	121.2	0.0
-12.5°	600.9	388.8	121.2	0.0
-15°	595.9	383.8	121.2	0.0
-17.5°	585.8	378.7	116.1	0.0
-20°	575.7	373.7	116.1	0.0

REPORT NUMBER: P722016

CATALOG NUMBER: IFLD-L-SA8D-727-U-76

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°
-22.5°	565.6	363.6	116.1	0.0
-25°	555.5	353.5	111.1	0.0
-27.5°	545.4	343.4	111.1	0.0
-30°	530.2	333.3	106.0	0.0
-32.5°	515.1	323.2	106.0	0.0
-35°	505.0	308.0	101.0	0.0
-37.5°	489.8	292.9	101.0	0.0
-40°	474.7	277.7	95.9	0.0
-42.5°	459.5	262.6	90.9	0.0
-45°	439.3	247.4	90.9	0.0
-47.5°	424.2	232.3	85.8	0.0
-50°	398.9	212.1	80.8	0.0
-52.5°	368.6	191.9	75.7	0.0
-55°	338.3	176.7	70.7	0.0
-57.5°	308.0	156.5	70.7	0.0
-60°	277.7	136.3	65.6	0.0
-62.5°	247.4	126.2	60.6	0.0
-65°	217.1	116.1	55.5	0.0
-67.5°	181.8	101.0	50.5	0.0
-70°	151.5	90.9	45.4	0.0
-72.5°	131.3	80.8	40.4	0.0
-75°	111.1	70.7	35.3	0.0
-77.5°	95.9	60.6	30.3	0.0
-80°	75.7	45.4	20.2	0.0
-82.5°	55.5	35.3	15.1	0.0
-85°	35.3	25.2	10.1	0.0
-87.5°	20.2	10.1	5.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)