

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: P723652

Luminaire Tested: **IFLD-M-SA4E-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723652
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	16028.8 lumens	Max Intensity:	377100.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	50.9 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		

Beam Angle (50%):	9.3°H x 8.8°V	Field Angle (10%):	15.8°H x 15.3°V
Beam Lumens:	5812.7 lumens	Field Lumens:	9266.6 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

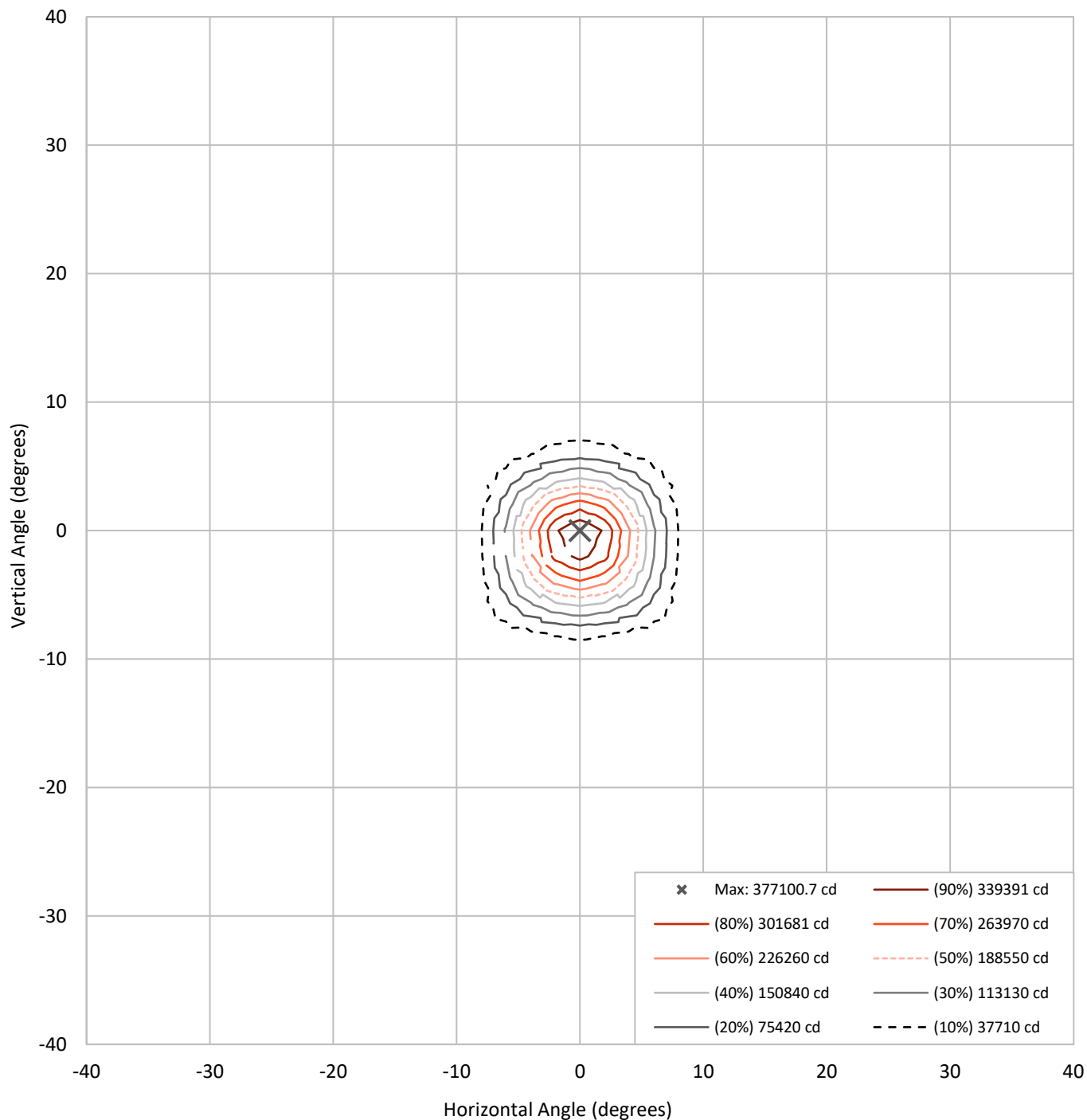
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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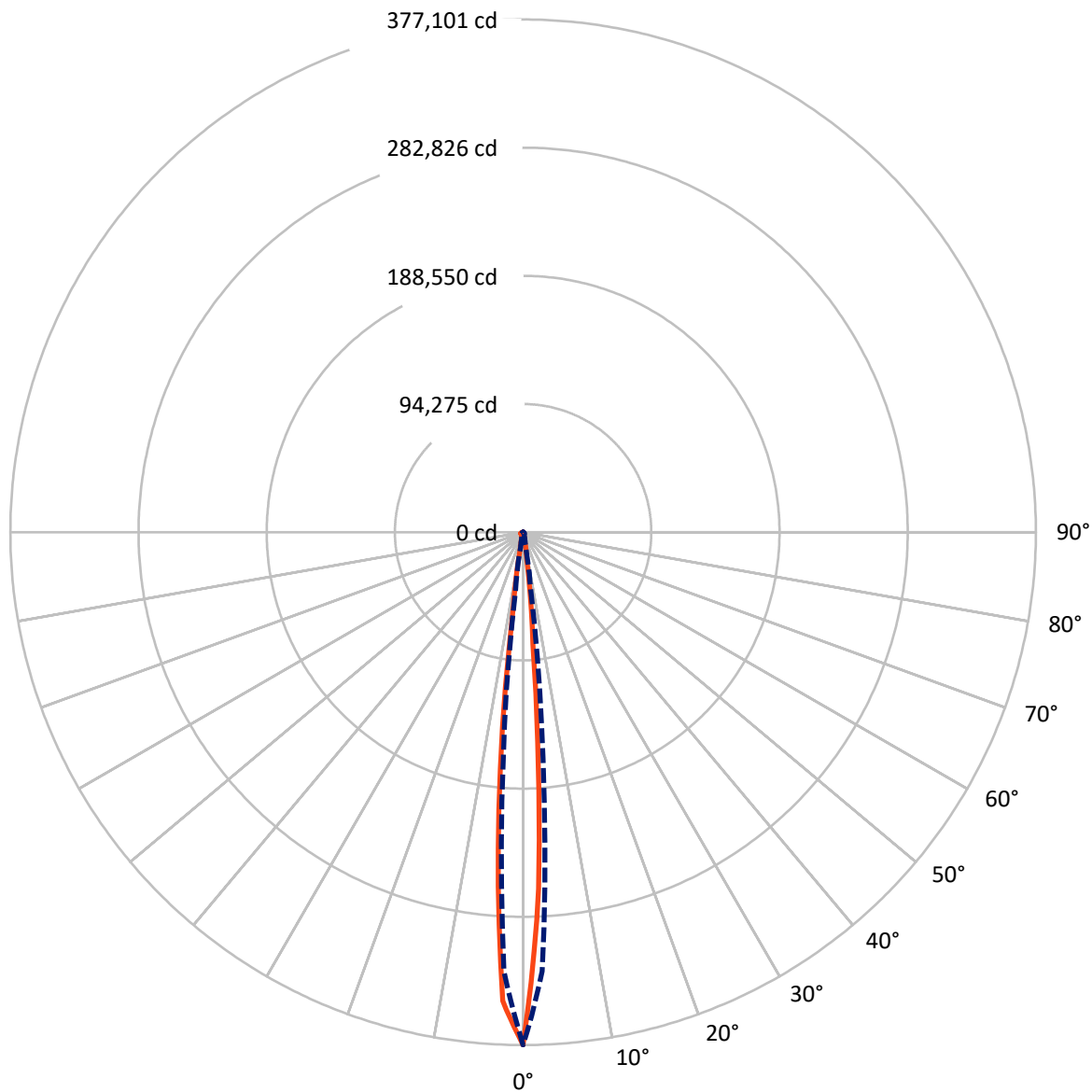
Lumen Table

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Luminous Intensity Polar Plot



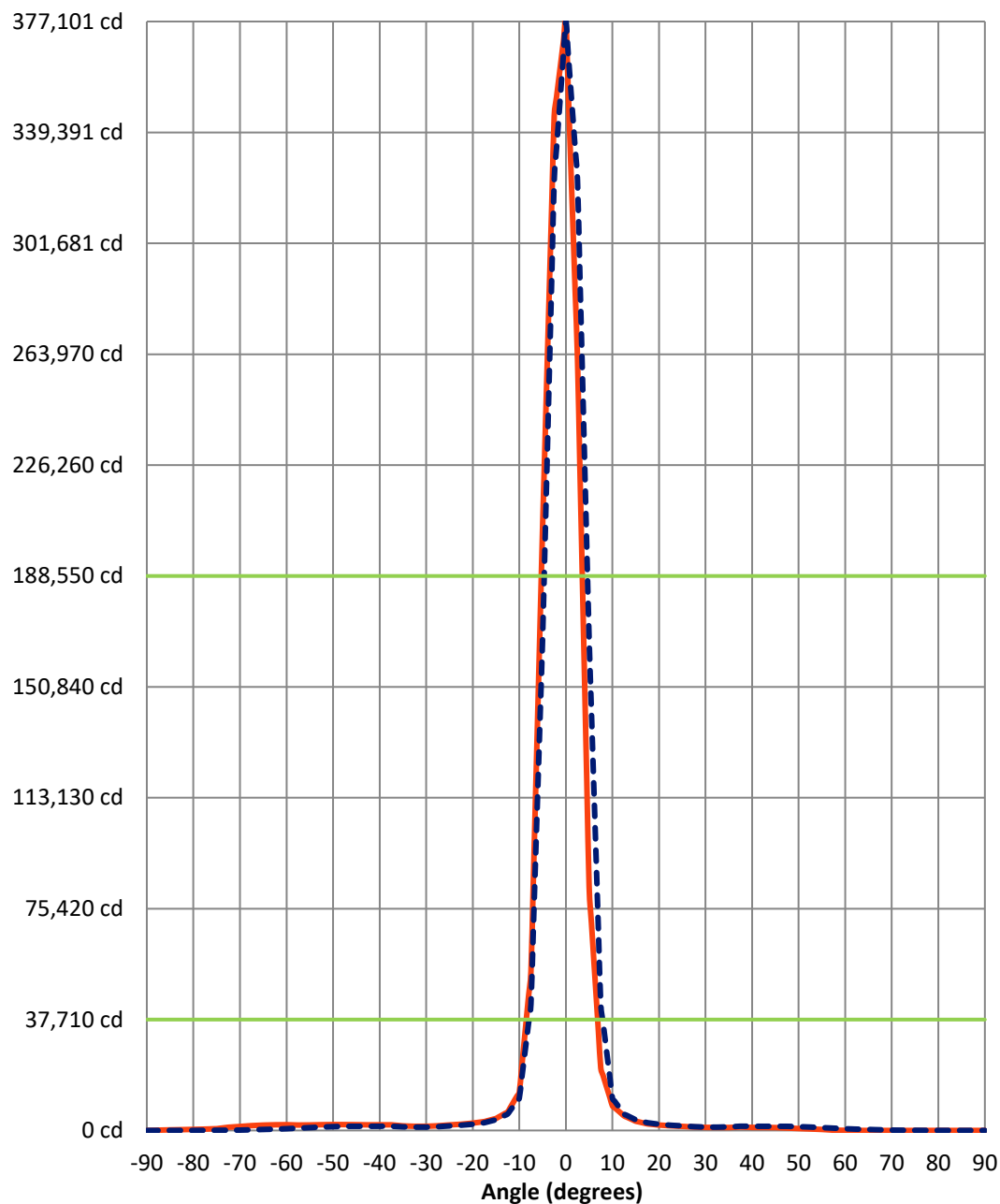
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 5812.7

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 9266.6

Efficiency: 57.8%

Spill:

Lumens: 6762.2

Efficiency: 42.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-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°	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	0.0	3.7	3.7	7.4	7.4	7.4	11.1	14.8	18.5	18.5	22.2
82.5°	0.0	3.7	3.7	7.4	7.4	11.1	11.1	18.5	22.2	25.9	33.3
80°	3.7	3.7	3.7	7.4	7.4	11.1	11.1	14.8	18.5	25.9	29.6
77.5°	0.0	3.7	3.7	3.7	7.4	7.4	7.4	11.1	14.8	18.5	22.2
75°	0.0	3.7	3.7	3.7	7.4	7.4	7.4	7.4	11.1	11.1	14.8
72.5°	0.0	0.0	0.0	3.7	3.7	7.4	7.4	7.4	11.1	11.1	11.1
70°	0.0	0.0	0.0	3.7	3.7	7.4	7.4	7.4	11.1	11.1	11.1
67.5°	0.0	0.0	0.0	3.7	3.7	7.4	7.4	7.4	11.1	11.1	11.1
65°	0.0	0.0	0.0	3.7	3.7	7.4	7.4	11.1	11.1	11.1	11.1
62.5°	3.7	3.7	3.7	7.4	11.1	11.1	14.8	18.5	18.5	18.5	18.5
60°	37.0	40.7	44.4	44.4	40.7	40.7	44.4	44.4	44.4	44.4	44.4
57.5°	99.9	107.3	111.0	111.0	111.0	107.3	122.1	125.8	111.0	103.6	114.7
55°	347.8	358.9	351.5	340.4	318.2	292.3	284.9	281.2	284.9	266.4	236.8
52.5°	506.9	518.0	514.3	506.9	492.1	473.6	458.8	444.0	429.2	399.6	366.3
50°	658.6	662.3	658.6	651.2	636.4	617.9	588.3	555.0	525.4	518.0	488.4
47.5°	828.8	839.9	839.9	836.2	825.1	791.8	747.4	699.3	677.1	669.7	640.1
45°	980.5	987.9	991.6	995.4	991.6	958.3	917.6	891.7	843.6	828.8	828.8
42.5°	1021.3	1025.0	1028.7	1032.4	1043.5	1017.6	984.2	939.8	928.7	925.0	917.6
40°	1036.1	1028.7	1032.4	1036.1	1039.8	1021.3	995.4	969.4	962.0	954.6	954.6
37.5°	1176.7	1143.4	1117.5	1095.3	1076.8	1058.3	1032.4	1010.2	991.6	976.8	991.6
35°	1002.8	1002.8	1028.7	1050.9	1073.1	1095.3	1099.0	1073.1	1032.4	1013.9	1039.8
32.5°	1025.0	1025.0	1025.0	1032.4	1039.8	1058.3	1076.8	1087.9	1117.5	1084.2	1084.2
30°	1047.2	1050.9	1058.3	1062.0	1050.9	1043.5	1036.1	1036.1	1054.6	1102.7	1128.6
27.5°	1176.7	1176.7	1165.6	1150.8	1117.5	1065.7	1039.8	1002.8	1006.5	1028.7	1091.6
25°	1387.6	1380.2	1354.3	1317.3	1258.1	1184.1	1113.8	1036.1	1002.8	991.6	1017.6
22.5°	1587.4	1576.3	1543.0	1509.7	1461.6	1387.6	1269.2	1150.8	1047.2	1002.8	991.6
20°	1842.7	1816.8	1779.8	1728.0	1650.3	1576.3	1472.7	1317.3	1165.6	1050.9	1006.5
17.5°	2253.4	2220.1	2149.8	2057.3	1924.1	1809.4	1661.4	1513.4	1343.2	1158.2	1058.3
15°	3152.6	3067.5	2945.3	2690.0	2427.3	2209.0	1987.0	1739.1	1565.2	1321.0	1169.3
12.5°	4958.2	4725.1	4369.9	3774.2	3185.9	2678.9	2320.0	2001.8	1720.6	1494.9	1280.3
10°	8392.0	7892.5	6911.9	5283.9	4199.7	3267.3	2623.4	2197.9	1842.7	1609.6	1372.8
7.5°	21224.3	17313.2	12251.3	8366.1	5494.8	3992.5	3000.9	2382.9	1972.2	1683.6	1446.8
5°	82721.4	68142.6	36350.6	15170.8	8266.2	4828.7	3341.3	2530.9	2057.3	1739.1	1502.3
2.5°	262531.9	226714.1	118946.2	32657.8	10149.6	5439.3	3574.4	2623.4	2105.4	1779.8	1543.0
0°	377100.7	323189.0	166933.9	42951.8	11008.1	5594.7	3648.4	2641.9	2112.8	1787.2	1543.0
-2.5°	344983.1	301927.8	161257.8	39969.4	11248.6	5639.1	3707.6	2704.8	2168.3	1820.5	1554.1
-5°	204986.6	179803.1	112489.4	28498.8	9994.2	5235.8	3552.2	2649.3	2131.3	1802.0	1546.7
-7.5°	54007.9	46755.5	30755.9	14871.0	6467.9	4429.1	3263.6	2556.8	2083.2	1768.7	1517.1
-10°	13021.0	12340.1	11022.9	6756.5	5036.0	3700.2	2893.5	2390.3	1987.0	1724.3	1469.0
-12.5°	6279.2	6131.2	5565.1	4588.2	3737.2	3074.9	2619.7	2216.4	1898.2	1646.6	1402.4
-15°	4085.0	3999.9	3807.5	3433.8	3000.9	2682.6	2364.4	2038.8	1787.2	1531.9	1346.9
-17.5°	3023.1	3019.4	2923.1	2782.5	2567.9	2331.1	2098.0	1890.8	1646.6	1428.3	1287.7
-20°	2505.0	2505.0	2449.5	2357.0	2205.3	2049.9	1894.5	1702.1	1502.3	1339.5	1280.3

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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°	2127.6	2131.3	2101.7	2042.5	1961.1	1831.6	1679.9	1524.5	1380.2	1321.0	1302.5
-25°	1883.4	1876.0	1842.7	1787.2	1702.1	1598.5	1498.6	1395.0	1354.3	1339.5	1365.4
-27.5°	1594.8	1605.9	1591.1	1565.2	1509.7	1435.7	1413.5	1383.9	1391.3	1413.5	1513.4
-30°	1424.6	1435.7	1450.5	1461.6	1443.1	1424.6	1432.0	1454.2	1502.3	1587.4	1624.4
-32.5°	1424.6	1428.3	1450.5	1472.7	1483.8	1498.6	1539.3	1613.3	1683.6	1661.4	1654.0
-35°	1554.1	1543.0	1572.6	1602.2	1642.9	1694.7	1739.1	1724.3	1698.4	1691.0	1698.4
-37.5°	1924.1	1853.8	1824.2	1805.7	1794.6	1787.2	1776.1	1765.0	1753.9	1746.5	1757.6
-40°	1920.4	1901.9	1883.4	1868.6	1857.5	1842.7	1835.3	1831.6	1820.5	1813.1	1805.7
-42.5°	1913.0	1920.4	1920.4	1916.7	1920.4	1916.7	1905.6	1890.8	1872.3	1857.5	1842.7
-45°	1968.5	1972.2	1979.6	1987.0	1998.1	1983.3	1961.1	1935.2	1909.3	1887.1	1868.6
-47.5°	2001.8	2005.5	2012.9	2024.0	2031.4	2016.6	1987.0	1953.7	1913.0	1876.0	1839.0
-50°	2012.9	2024.0	2027.7	2027.7	2024.0	2005.5	1961.1	1913.0	1868.6	1831.6	1798.3
-52.5°	1961.1	1972.2	1975.9	1968.5	1964.8	1946.3	1905.6	1861.2	1813.1	1787.2	1757.6
-55°	1876.0	1890.8	1901.9	1901.9	1901.9	1898.2	1861.2	1820.5	1783.5	1753.9	1724.3
-57.5°	1842.7	1868.6	1890.8	1894.5	1898.2	1901.9	1876.0	1835.3	1790.9	1746.5	1709.5
-60°	1964.8	1987.0	1998.1	1983.3	1972.2	1961.1	1920.4	1872.3	1827.9	1783.5	1713.2
-62.5°	1931.5	1968.5	1987.0	1975.9	1961.1	1942.6	1898.2	1842.7	1790.9	1742.8	1672.5
-65°	1824.2	1857.5	1879.7	1861.2	1839.0	1813.1	1772.4	1720.6	1672.5	1624.4	1561.5
-67.5°	1642.9	1691.0	1728.0	1687.3	1657.7	1624.4	1591.1	1546.7	1498.6	1443.1	1383.9
-70°	1358.0	1395.0	1428.3	1417.2	1409.8	1402.4	1380.2	1335.8	1295.1	1250.7	1198.9
-72.5°	1091.6	1124.9	1154.5	1136.0	1121.2	1099.0	1065.7	1017.6	969.4	921.3	873.2
-75°	603.1	614.2	625.3	621.6	621.6	621.6	621.6	625.3	617.9	606.8	584.6
-77.5°	462.5	477.3	488.4	495.8	506.9	521.7	532.8	514.3	495.8	477.3	455.1
-80°	362.6	377.4	388.5	429.2	458.8	492.1	514.3	488.4	462.5	440.3	421.8
-82.5°	273.8	284.9	296.0	318.2	333.0	351.5	366.3	366.3	362.6	358.9	347.8
-85°	199.8	214.6	229.4	236.8	247.9	247.9	251.6	236.8	222.0	210.9	196.1
-87.5°	114.7	118.4	118.4	118.4	122.1	122.1	122.1	114.7	111.0	103.6	99.9
-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°	3.7	3.7	3.7	7.4	7.4	11.1	11.1	14.8	14.8	18.5	18.5
85°	22.2	22.2	22.2	25.9	25.9	29.6	33.3	37.0	40.7	40.7	44.4
82.5°	37.0	40.7	44.4	48.1	51.8	55.5	59.2	62.9	74.0	81.4	85.1
80°	37.0	40.7	51.8	59.2	66.6	74.0	74.0	74.0	74.0	77.7	85.1
77.5°	25.9	29.6	33.3	40.7	59.2	74.0	85.1	92.5	85.1	81.4	74.0
75°	14.8	18.5	22.2	25.9	37.0	51.8	70.3	88.8	103.6	99.9	92.5
72.5°	14.8	14.8	18.5	22.2	25.9	29.6	33.3	51.8	74.0	92.5	103.6
70°	14.8	18.5	18.5	22.2	25.9	29.6	33.3	40.7	51.8	74.0	96.2
67.5°	14.8	18.5	18.5	25.9	33.3	37.0	40.7	37.0	33.3	48.1	70.3
65°	14.8	14.8	18.5	22.2	25.9	29.6	40.7	40.7	37.0	37.0	37.0
62.5°	22.2	22.2	22.2	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3
60°	44.4	40.7	40.7	40.7	40.7	33.3	33.3	33.3	29.6	33.3	29.6
57.5°	107.3	88.8	81.4	81.4	70.3	66.6	55.5	40.7	40.7	33.3	33.3
55°	218.3	207.2	173.9	144.3	129.5	114.7	88.8	74.0	55.5	44.4	40.7
52.5°	336.7	307.1	277.5	240.5	203.5	173.9	148.0	114.7	92.5	66.6	51.8
50°	440.3	414.4	381.1	340.4	292.3	255.3	218.3	173.9	136.9	103.6	74.0
47.5°	599.4	547.6	506.9	458.8	403.3	351.5	303.4	251.6	192.4	151.7	114.7
45°	769.6	695.6	640.1	595.7	521.7	451.4	395.9	340.4	270.1	199.8	155.4
42.5°	888.0	832.5	758.5	699.3	632.7	558.7	484.7	425.5	351.5	270.1	199.8
40°	950.9	913.9	854.7	802.9	732.6	651.2	573.5	514.3	436.6	347.8	251.6
37.5°	999.1	980.5	950.9	910.2	843.6	747.4	669.7	599.4	532.8	429.2	325.6
35°	1054.6	1050.9	1032.4	1013.9	958.3	865.8	773.3	691.9	610.5	514.3	399.6
32.5°	1106.4	1102.7	1091.6	1084.2	1062.0	980.5	880.6	788.1	695.6	595.7	469.9
30°	1132.3	1124.9	1124.9	1132.3	1110.1	1058.3	984.2	884.3	780.7	662.3	543.9
27.5°	1132.3	1124.9	1128.6	1139.7	1136.0	1110.1	1054.6	973.1	858.4	725.2	610.5
25°	1084.2	1121.2	1121.2	1136.0	1139.7	1132.3	1102.7	1050.9	932.4	791.8	662.3
22.5°	1017.6	1106.4	1139.7	1136.0	1139.7	1158.2	1161.9	1113.8	1002.8	858.4	714.1
20°	1017.6	1080.5	1176.7	1150.8	1158.2	1198.9	1217.4	1176.7	1076.8	921.3	765.9
17.5°	1039.8	1080.5	1161.9	1202.6	1213.7	1247.0	1276.6	1250.7	1143.4	987.9	836.2
15°	1102.7	1095.3	1150.8	1250.7	1269.2	1295.1	1328.4	1298.8	1202.6	1062.0	902.8
12.5°	1147.1	1106.4	1150.8	1258.1	1317.3	1343.2	1354.3	1332.1	1254.4	1128.6	969.4
10°	1206.3	1136.0	1158.2	1250.7	1335.8	1354.3	1365.4	1358.0	1302.5	1184.1	1028.7
7.5°	1250.7	1150.8	1150.8	1239.6	1354.3	1369.1	1376.5	1383.9	1343.2	1232.2	1080.5
5°	1269.2	1150.8	1143.4	1228.5	1372.8	1387.6	1387.6	1398.7	1372.8	1269.2	1117.5
2.5°	1272.9	1147.1	1136.0	1221.1	1406.1	1406.1	1398.7	1409.8	1395.0	1291.4	1143.4
0°	1291.4	1143.4	1132.3	1232.2	1443.1	1428.3	1409.8	1413.5	1406.1	1302.5	1158.2
-2.5°	1291.4	1161.9	1147.1	1239.6	1439.4	1435.7	1428.3	1432.0	1424.6	1335.8	1187.8
-5°	1309.9	1187.8	1173.0	1272.9	1435.7	1446.8	1450.5	1450.5	1439.4	1358.0	1206.3
-7.5°	1313.6	1206.3	1202.6	1306.2	1443.1	1461.6	1472.7	1480.1	1457.9	1372.8	1221.1
-10°	1295.1	1213.7	1232.2	1346.9	1450.5	1476.4	1498.6	1509.7	1472.7	1380.2	1228.5
-12.5°	1254.4	1213.7	1261.8	1398.7	1469.0	1498.6	1531.9	1535.6	1487.5	1383.9	1232.2
-15°	1250.7	1243.3	1313.6	1450.5	1480.1	1517.1	1568.9	1557.8	1498.6	1383.9	1232.2
-17.5°	1247.0	1284.0	1391.3	1469.0	1498.6	1539.3	1580.0	1568.9	1506.0	1383.9	1224.8
-20°	1280.3	1350.6	1483.8	1487.5	1520.8	1565.2	1587.4	1565.2	1494.9	1372.8	1213.7



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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°	1335.8	1469.0	1513.4	1528.2	1557.8	1591.1	1602.2	1568.9	1483.8	1354.3	1195.2
-25°	1476.4	1543.0	1543.0	1576.3	1605.9	1620.7	1609.6	1572.6	1469.0	1335.8	1176.7
-27.5°	1583.7	1580.0	1598.5	1631.8	1657.7	1657.7	1628.1	1554.1	1446.8	1317.3	1150.8
-30°	1624.4	1628.1	1654.0	1691.0	1698.4	1679.9	1635.5	1539.3	1428.3	1287.7	1117.5
-32.5°	1665.1	1679.9	1713.2	1731.7	1735.4	1698.4	1617.0	1513.4	1398.7	1254.4	1080.5
-35°	1713.2	1742.8	1761.3	1765.0	1746.5	1683.6	1591.1	1480.1	1354.3	1206.3	1047.2
-37.5°	1776.1	1790.9	1802.0	1787.2	1735.4	1661.4	1546.7	1435.7	1313.6	1154.5	999.1
-40°	1816.8	1824.2	1827.9	1779.8	1716.9	1609.6	1498.6	1383.9	1243.3	1095.3	947.2
-42.5°	1842.7	1835.3	1805.7	1753.9	1661.4	1557.8	1450.5	1321.0	1180.4	1036.1	891.7
-45°	1835.3	1809.4	1765.0	1702.1	1605.9	1502.3	1376.5	1247.0	1113.8	973.1	828.8
-47.5°	1805.7	1765.0	1709.5	1635.5	1546.7	1420.9	1295.1	1169.3	1039.8	902.8	769.6
-50°	1768.7	1720.6	1654.0	1561.5	1443.1	1328.4	1213.7	1091.6	958.3	832.5	714.1
-52.5°	1728.0	1676.2	1591.1	1487.5	1358.0	1239.6	1128.6	1010.2	888.0	769.6	666.0
-55°	1683.6	1631.8	1535.6	1417.2	1287.7	1158.2	1050.9	950.9	832.5	717.8	625.3
-57.5°	1661.4	1594.8	1494.9	1376.5	1239.6	1106.4	1013.9	906.5	799.2	680.8	592.0
-60°	1642.9	1576.3	1483.8	1346.9	1217.4	1091.6	984.2	880.6	765.9	654.9	566.1
-62.5°	1591.1	1520.8	1435.7	1302.5	1176.7	1062.0	965.7	843.6	732.6	629.0	547.6
-65°	1487.5	1413.5	1339.5	1221.1	1106.4	999.1	902.8	791.8	688.2	599.4	529.1
-67.5°	1324.7	1261.8	1195.2	1095.3	999.1	902.8	814.0	717.8	632.7	569.8	532.8
-70°	1143.4	1076.8	1010.2	928.7	847.3	769.6	699.3	629.0	573.5	540.2	510.6
-72.5°	832.5	802.9	769.6	706.7	640.1	592.0	558.7	529.1	488.4	458.8	440.3
-75°	555.0	514.3	462.5	440.3	444.0	436.6	418.1	395.9	377.4	366.3	340.4
-77.5°	432.9	410.7	384.8	358.9	347.8	336.7	321.9	303.4	288.6	262.7	225.7
-80°	399.6	381.1	362.6	344.1	325.6	299.7	270.1	240.5	225.7	214.6	210.9
-82.5°	329.3	307.1	284.9	266.4	240.5	222.0	203.5	188.7	188.7	185.0	181.3
-85°	188.7	181.3	170.2	162.8	155.4	144.3	133.2	125.8	122.1	118.4	114.7
-87.5°	96.2	92.5	85.1	81.4	77.7	74.0	66.6	62.9	59.2	59.2	55.5
-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-M-SA4E-727-U-11-VI

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°	18.5	18.5	14.8	14.8	14.8	11.1	7.4	7.4	3.7	3.7	0.0
85°	44.4	37.0	33.3	29.6	29.6	22.2	14.8	11.1	7.4	3.7	3.7
82.5°	85.1	74.0	62.9	55.5	44.4	33.3	25.9	18.5	11.1	7.4	3.7
80°	96.2	96.2	92.5	77.7	62.9	48.1	33.3	22.2	14.8	11.1	7.4
77.5°	74.0	81.4	81.4	81.4	77.7	59.2	40.7	25.9	14.8	11.1	7.4
75°	85.1	74.0	70.3	74.0	70.3	59.2	48.1	29.6	18.5	14.8	7.4
72.5°	103.6	88.8	77.7	74.0	66.6	55.5	44.4	33.3	18.5	14.8	11.1
70°	96.2	92.5	85.1	77.7	66.6	55.5	44.4	33.3	22.2	14.8	11.1
67.5°	85.1	85.1	85.1	77.7	66.6	51.8	40.7	29.6	22.2	14.8	11.1
65°	59.2	70.3	77.7	74.0	66.6	51.8	40.7	29.6	22.2	18.5	11.1
62.5°	37.0	48.1	62.9	70.3	62.9	51.8	37.0	29.6	22.2	18.5	11.1
60°	33.3	37.0	44.4	55.5	59.2	48.1	37.0	25.9	22.2	18.5	11.1
57.5°	33.3	33.3	37.0	44.4	48.1	44.4	33.3	22.2	22.2	18.5	14.8
55°	37.0	33.3	33.3	37.0	40.7	40.7	33.3	22.2	22.2	18.5	14.8
52.5°	44.4	37.0	33.3	33.3	33.3	37.0	29.6	22.2	22.2	18.5	14.8
50°	55.5	44.4	40.7	33.3	33.3	33.3	29.6	22.2	18.5	18.5	14.8
47.5°	74.0	59.2	44.4	40.7	33.3	29.6	25.9	22.2	18.5	18.5	14.8
45°	111.0	70.3	59.2	44.4	37.0	33.3	29.6	22.2	18.5	18.5	14.8
42.5°	151.7	103.6	74.0	51.8	40.7	33.3	29.6	25.9	18.5	18.5	14.8
40°	192.4	140.6	92.5	66.6	48.1	37.0	29.6	25.9	22.2	18.5	14.8
37.5°	236.8	173.9	122.1	85.1	55.5	40.7	33.3	25.9	22.2	18.5	14.8
35°	292.3	218.3	151.7	103.6	66.6	48.1	37.0	25.9	22.2	18.5	14.8
32.5°	355.2	259.0	181.3	125.8	85.1	59.2	40.7	29.6	22.2	18.5	14.8
30°	414.4	307.1	214.6	151.7	103.6	66.6	44.4	29.6	22.2	18.5	11.1
27.5°	473.6	355.2	255.3	177.6	125.8	77.7	48.1	33.3	22.2	18.5	14.8
25°	532.8	403.3	296.0	203.5	144.3	92.5	59.2	37.0	22.2	18.5	14.8
22.5°	584.6	451.4	333.0	233.1	166.5	107.3	66.6	40.7	25.9	18.5	14.8
20°	643.8	503.2	373.7	266.4	185.0	122.1	74.0	44.4	25.9	18.5	14.8
17.5°	699.3	555.0	414.4	296.0	207.2	136.9	85.1	48.1	29.6	18.5	14.8
15°	754.8	603.1	451.4	325.6	229.4	151.7	92.5	51.8	33.3	18.5	14.8
12.5°	806.6	647.5	484.7	351.5	247.9	166.5	99.9	55.5	37.0	18.5	14.8
10°	854.7	688.2	518.0	373.7	266.4	177.6	107.3	62.9	40.7	18.5	14.8
7.5°	902.8	721.5	543.9	395.9	288.6	192.4	114.7	66.6	44.4	22.2	14.8
5°	932.4	751.1	566.1	414.4	307.1	207.2	122.1	70.3	48.1	22.2	14.8
2.5°	958.3	773.3	580.9	432.9	325.6	218.3	122.1	74.0	51.8	22.2	14.8
0°	973.1	788.1	592.0	444.0	340.4	225.7	125.8	77.7	55.5	22.2	14.8
-2.5°	1006.5	814.0	617.9	458.8	355.2	247.9	133.2	81.4	59.2	25.9	14.8
-5°	1028.7	828.8	636.4	473.6	366.3	270.1	144.3	88.8	66.6	33.3	18.5
-7.5°	1047.2	843.6	651.2	481.0	377.4	277.5	148.0	92.5	70.3	37.0	18.5
-10°	1050.9	851.0	662.3	492.1	384.8	288.6	151.7	96.2	74.0	40.7	18.5
-12.5°	1054.6	858.4	666.0	499.5	392.2	296.0	155.4	99.9	77.7	44.4	18.5
-15°	1050.9	854.7	666.0	506.9	395.9	288.6	162.8	103.6	81.4	48.1	18.5
-17.5°	1043.5	851.0	662.3	503.2	392.2	281.2	166.5	111.0	81.4	51.8	22.2
-20°	1032.4	839.9	654.9	499.5	388.5	273.8	170.2	114.7	85.1	51.8	22.2

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CATALOG NUMBER: IFLD-M-SA4E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1013.9	821.4	640.1	488.4	381.1	266.4	170.2	122.1	88.8	51.8	22.2
-25°	991.6	802.9	625.3	473.6	370.0	255.3	170.2	125.8	92.5	51.8	22.2
-27.5°	965.7	784.4	603.1	462.5	355.2	247.9	170.2	129.5	96.2	51.8	22.2
-30°	936.1	758.5	584.6	444.0	344.1	247.9	173.9	133.2	99.9	51.8	22.2
-32.5°	906.5	732.6	562.4	429.2	329.3	244.2	173.9	136.9	103.6	48.1	25.9
-35°	873.2	703.0	543.9	418.1	318.2	236.8	177.6	136.9	99.9	48.1	25.9
-37.5°	832.5	666.0	525.4	407.0	310.8	229.4	177.6	140.6	96.2	48.1	25.9
-40°	788.1	636.4	503.2	392.2	299.7	225.7	177.6	140.6	92.5	48.1	29.6
-42.5°	740.0	603.1	481.0	377.4	288.6	222.0	177.6	140.6	88.8	48.1	29.6
-45°	695.6	569.8	455.1	358.9	277.5	222.0	177.6	136.9	81.4	51.8	29.6
-47.5°	647.5	532.8	425.5	340.4	273.8	218.3	173.9	129.5	74.0	51.8	29.6
-50°	606.8	495.8	403.3	321.9	266.4	222.0	177.6	118.4	74.0	51.8	29.6
-52.5°	566.1	469.9	377.4	314.5	259.0	225.7	173.9	111.0	74.0	51.8	29.6
-55°	532.8	444.0	362.6	303.4	266.4	233.1	166.5	99.9	74.0	51.8	29.6
-57.5°	506.9	429.2	351.5	307.1	277.5	225.7	155.4	96.2	74.0	48.1	29.6
-60°	488.4	414.4	355.2	321.9	281.2	214.6	148.0	96.2	74.0	48.1	25.9
-62.5°	473.6	418.1	373.7	333.0	266.4	199.8	140.6	96.2	66.6	44.4	25.9
-65°	477.3	432.9	381.1	318.2	255.3	185.0	129.5	92.5	62.9	40.7	25.9
-67.5°	488.4	421.8	358.9	299.7	229.4	166.5	118.4	85.1	59.2	40.7	25.9
-70°	451.4	388.5	325.6	255.3	196.1	144.3	111.0	77.7	51.8	37.0	25.9
-72.5°	407.0	325.6	259.0	207.2	166.5	133.2	99.9	70.3	48.1	33.3	22.2
-75°	296.0	236.8	192.4	173.9	148.0	118.4	88.8	62.9	44.4	33.3	22.2
-77.5°	210.9	196.1	177.6	159.1	133.2	103.6	77.7	59.2	40.7	29.6	18.5
-80°	207.2	188.7	166.5	136.9	111.0	88.8	66.6	51.8	37.0	25.9	14.8
-82.5°	173.9	148.0	125.8	103.6	85.1	70.3	55.5	40.7	29.6	18.5	11.1
-85°	107.3	92.5	81.4	70.3	59.2	48.1	37.0	25.9	18.5	11.1	7.4
-87.5°	51.8	48.1	40.7	33.3	29.6	22.2	18.5	14.8	11.1	7.4	3.7
-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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CATALOG NUMBER: IFLD-M-SA4E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
82.5°	3.7	0.0	0.0	0.0
80°	3.7	0.0	0.0	0.0
77.5°	3.7	0.0	0.0	0.0
75°	3.7	3.7	0.0	0.0
72.5°	3.7	3.7	0.0	0.0
70°	7.4	3.7	3.7	0.0
67.5°	7.4	3.7	3.7	0.0
65°	7.4	3.7	3.7	0.0
62.5°	7.4	3.7	3.7	0.0
60°	7.4	3.7	3.7	0.0
57.5°	7.4	3.7	3.7	0.0
55°	7.4	3.7	3.7	0.0
52.5°	7.4	3.7	3.7	0.0
50°	7.4	3.7	3.7	0.0
47.5°	7.4	7.4	3.7	0.0
45°	7.4	7.4	3.7	0.0
42.5°	7.4	7.4	3.7	0.0
40°	7.4	7.4	3.7	0.0
37.5°	7.4	7.4	3.7	0.0
35°	7.4	7.4	3.7	0.0
32.5°	11.1	7.4	3.7	0.0
30°	11.1	7.4	7.4	0.0
27.5°	11.1	7.4	7.4	0.0
25°	11.1	7.4	7.4	0.0
22.5°	11.1	7.4	7.4	0.0
20°	11.1	7.4	7.4	0.0
17.5°	11.1	7.4	7.4	0.0
15°	11.1	7.4	7.4	0.0
12.5°	11.1	7.4	7.4	0.0
10°	11.1	7.4	7.4	0.0
7.5°	11.1	7.4	7.4	0.0
5°	11.1	7.4	7.4	0.0
2.5°	11.1	7.4	7.4	0.0
0°	11.1	7.4	7.4	0.0
-2.5°	11.1	7.4	7.4	0.0
-5°	11.1	7.4	7.4	0.0
-7.5°	11.1	7.4	7.4	0.0
-10°	11.1	7.4	7.4	0.0
-12.5°	14.8	7.4	7.4	0.0
-15°	14.8	7.4	7.4	0.0
-17.5°	14.8	7.4	7.4	0.0
-20°	14.8	7.4	7.4	0.0

REPORT NUMBER: P723652

CATALOG NUMBER: IFLD-M-SA4E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	14.8	7.4	7.4	0.0
-25°	14.8	7.4	7.4	0.0
-27.5°	14.8	7.4	7.4	0.0
-30°	14.8	7.4	7.4	0.0
-32.5°	14.8	7.4	7.4	0.0
-35°	14.8	7.4	7.4	0.0
-37.5°	14.8	7.4	7.4	0.0
-40°	14.8	7.4	7.4	0.0
-42.5°	11.1	7.4	3.7	0.0
-45°	14.8	7.4	3.7	0.0
-47.5°	14.8	7.4	3.7	0.0
-50°	14.8	7.4	3.7	0.0
-52.5°	14.8	7.4	3.7	0.0
-55°	14.8	7.4	3.7	0.0
-57.5°	14.8	7.4	3.7	0.0
-60°	14.8	7.4	3.7	0.0
-62.5°	14.8	7.4	3.7	0.0
-65°	14.8	7.4	3.7	0.0
-67.5°	14.8	7.4	3.7	0.0
-70°	14.8	3.7	3.7	0.0
-72.5°	11.1	3.7	3.7	0.0
-75°	11.1	3.7	3.7	0.0
-77.5°	7.4	3.7	0.0	0.0
-80°	7.4	3.7	0.0	0.0
-82.5°	7.4	3.7	0.0	0.0
-85°	3.7	0.0	0.0	0.0
-87.5°	3.7	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)