

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: P723738

Luminaire Tested: **IFLD-M-SA4D-740-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723738
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-740-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	16561.4 lumens	Max Intensity:	389630.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	66.3 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:	6005.8 lumens	Field Lumens:	9574.5 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

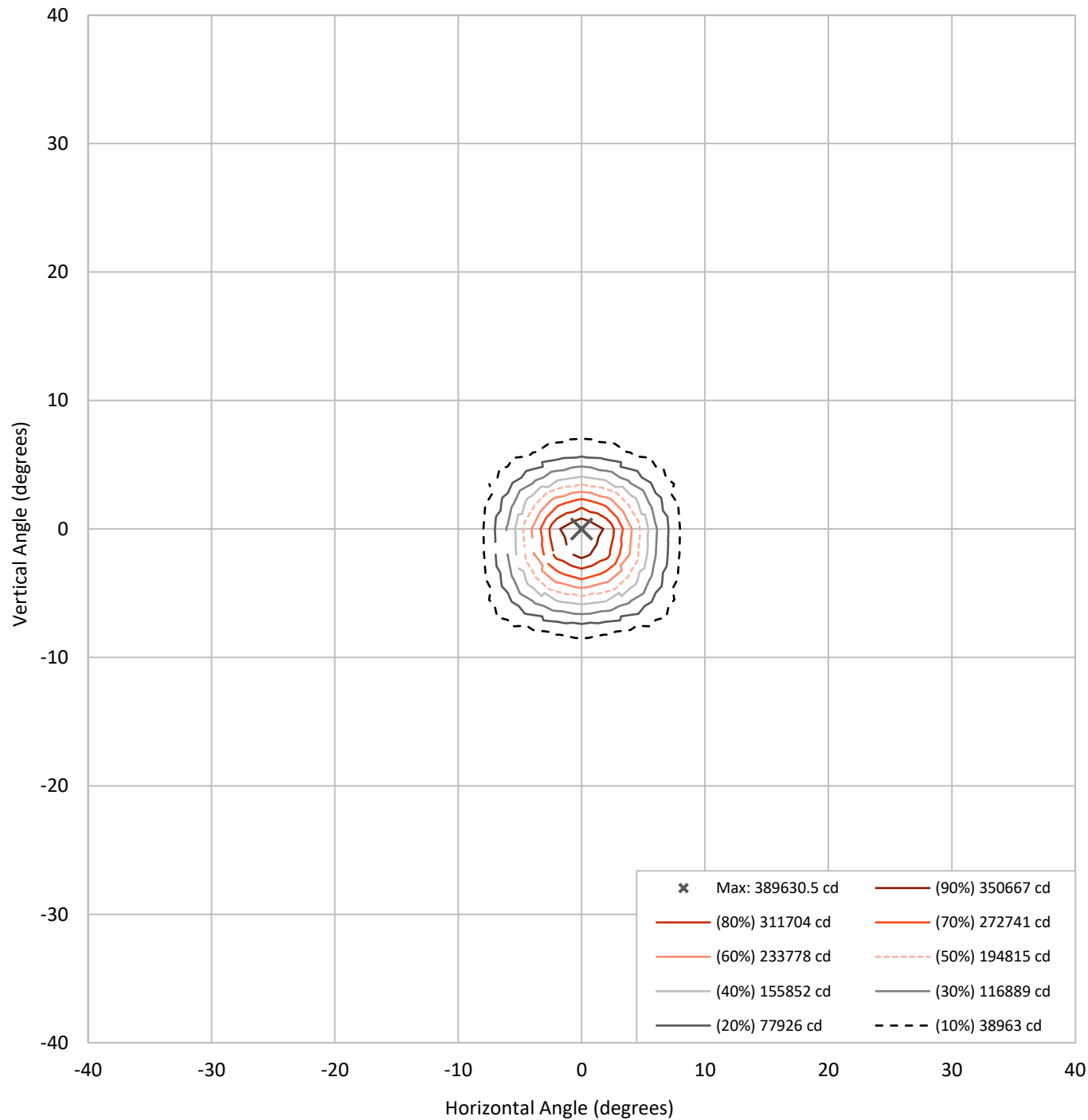
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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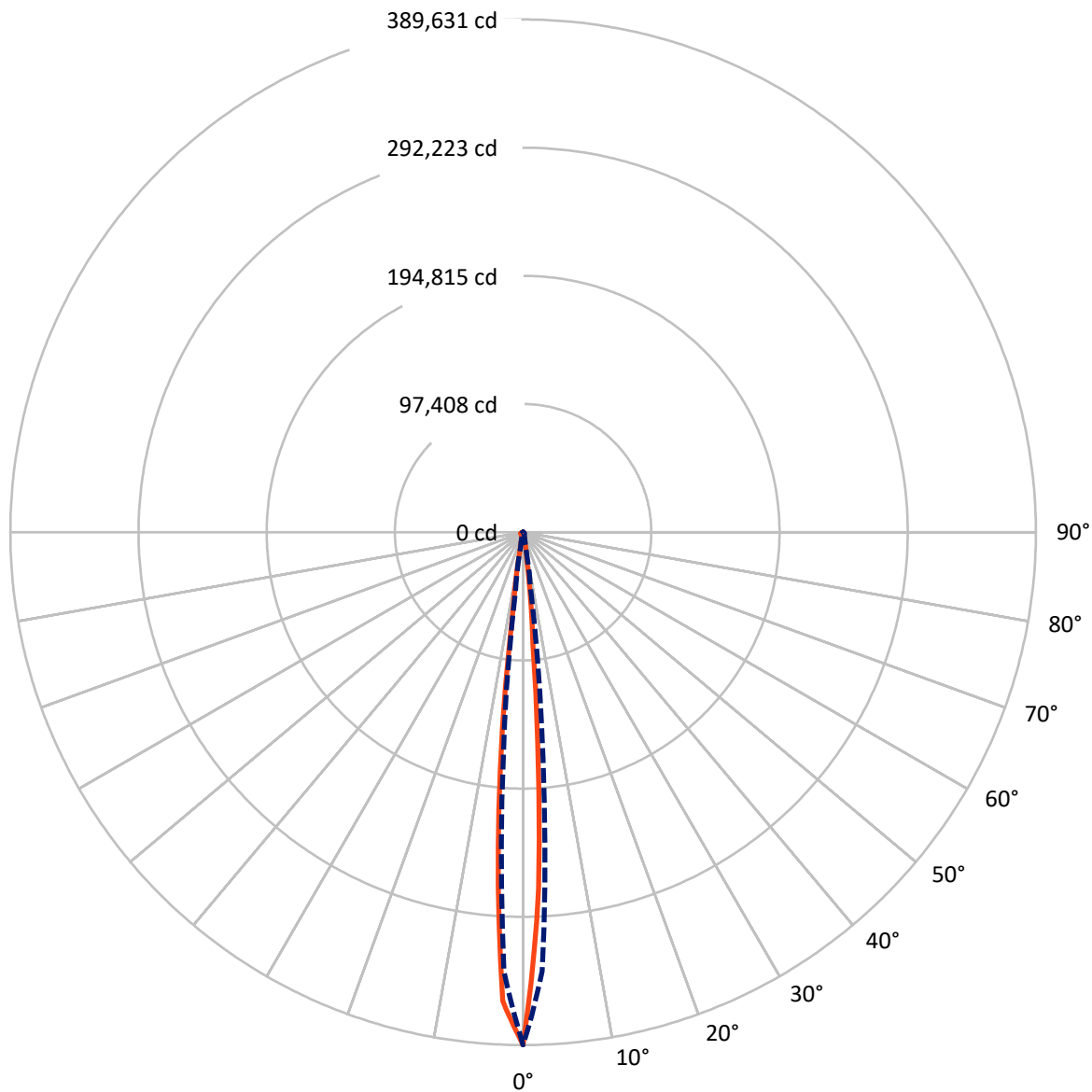
Lumen Table

90																
80	0.3	3.7		4.0		1.5		0.4		1.5		4.0		3.7		0.3
70																
60	0.4	0.8	1.1	0.8	0.7	0.5	0.4	0.2	0.2	0.4	0.5	0.7	0.8	1.1	0.8	0.4
50		0.5	0.8	1.9	4.3	7.0	9.0	10.3	10.3	9.0	7.0	4.3	1.9	0.8	0.5	
40	0.4	0.6	2.3	7.5	14.9	21.7	26.1	29.0	29.0	26.1	21.7	14.9	7.5	2.3	0.6	0.4
30		1.1	5.7	15.5	25.2	29.6	31.9	33.1	33.1	31.9	29.6	25.2	15.5	5.7	1.1	
20	0.7	2.2	9.8	22.6	29.2	30.1	35.5	42.7	42.7	35.5	30.1	29.2	22.6	9.8	2.2	0.7
10		3.4	13.8	27.7	31.1	35.1	61.7	105.1	105.1	61.7	35.1	31.1	27.7	13.8	3.4	
0	1.1	4.4	16.9	30.4	32.3	43.3	117.3	2174.1	2174.1	117.3	43.3	32.3	30.4	16.9	4.4	1.1
-10		5.1	18.5	32.0	33.5	44.8	126.4	3170.0	3170.0	126.4	44.8	33.5	32.0	18.5	5.1	
-20	1.6	5.5	19.0	33.7	36.2	40.4	73.5	141.0	141.0	73.5	40.4	36.2	33.7	19.0	5.5	1.6
-30		5.1	18.0	34.1	40.6	40.7	47.6	58.0	58.0	47.6	40.7	40.6	34.1	18.0	5.1	
-40	1.7	4.6	15.9	32.6	44.7	48.7	50.7	51.1	51.1	50.7	48.7	44.7	32.6	15.9	4.6	1.7
-50		4.0	12.8	27.7	43.1	52.4	58.8	61.6	61.6	58.8	52.4	43.1	27.7	12.8	4.0	
-60	1.4	3.6	9.9	21.4	36.8	49.4	57.4	60.7	60.7	57.4	49.4	36.8	21.4	9.9	3.6	1.4
-70		3.4	8.7	17.5	30.7	43.2	52.2	56.5	56.5	52.2	43.2	30.7	17.5	8.7	3.4	
-80	0.6	10.2		30.5		56.5		62.4		56.5		30.5		10.2		0.6
-90																
-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90																
Horizontal Angle (degrees)																

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Luminous Intensity Polar Plot



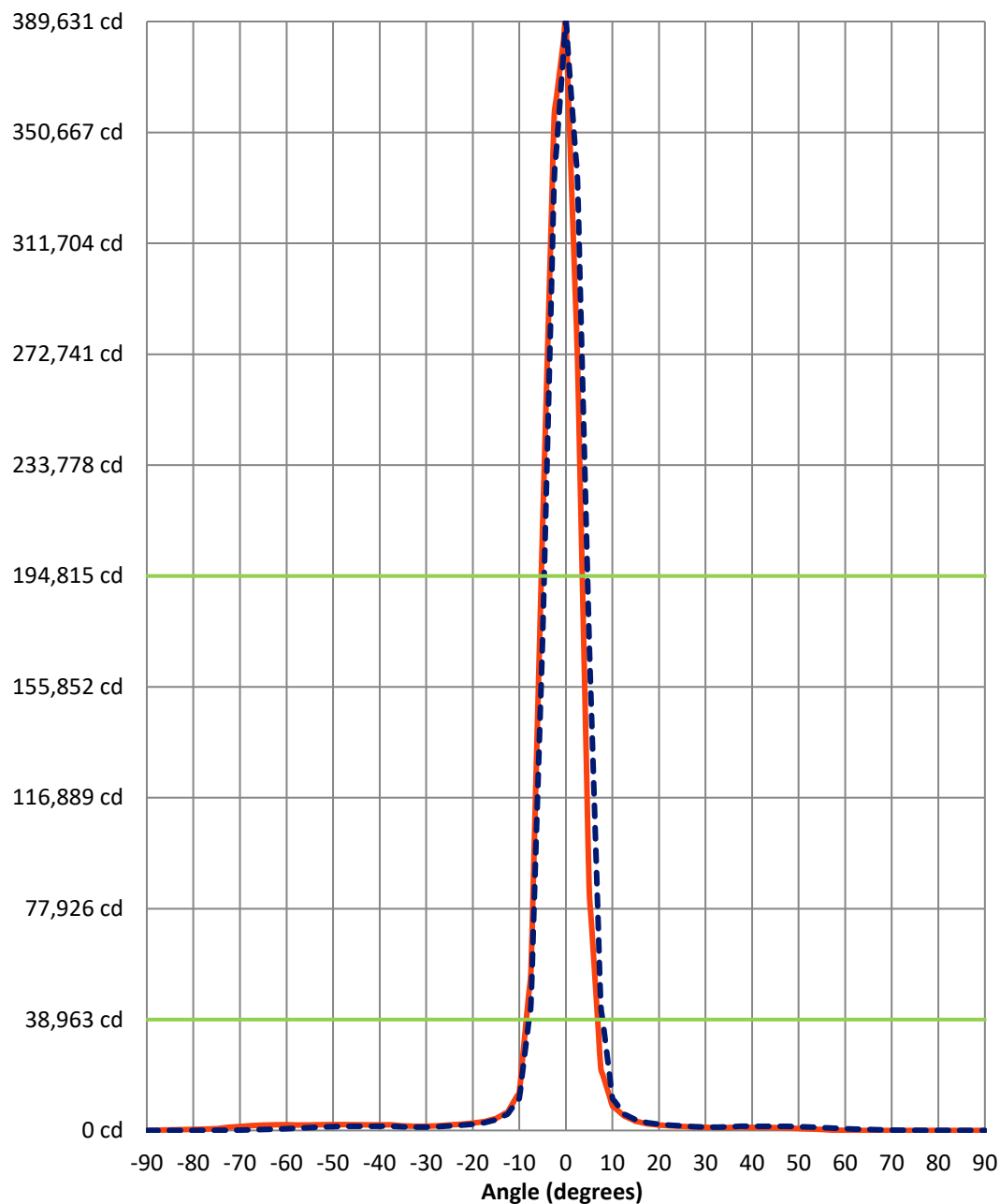
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 6005.8

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 9574.5

Efficiency: 57.8%

Spill:

Lumens: 6986.9

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	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	0.0	3.8	3.8	7.6	7.6	7.6	11.5	15.3	19.1	19.1	22.9
82.5°	0.0	3.8	3.8	7.6	7.6	11.5	11.5	19.1	22.9	26.8	34.4
80°	3.8	3.8	3.8	7.6	7.6	11.5	11.5	15.3	19.1	26.8	30.6
77.5°	0.0	3.8	3.8	3.8	7.6	7.6	7.6	11.5	15.3	19.1	22.9
75°	0.0	3.8	3.8	3.8	7.6	7.6	7.6	7.6	11.5	11.5	15.3
72.5°	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6	11.5	11.5	11.5
70°	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6	11.5	11.5	11.5
67.5°	0.0	0.0	0.0	3.8	3.8	7.6	7.6	7.6	11.5	11.5	11.5
65°	0.0	0.0	0.0	3.8	3.8	7.6	7.6	11.5	11.5	11.5	11.5
62.5°	3.8	3.8	3.8	7.6	11.5	11.5	15.3	19.1	19.1	19.1	19.1
60°	38.2	42.1	45.9	45.9	42.1	42.1	45.9	45.9	45.9	45.9	45.9
57.5°	103.2	110.9	114.7	114.7	114.7	110.9	126.2	130.0	114.7	107.0	118.5
55°	359.4	370.8	363.2	351.7	328.8	302.0	294.4	290.6	294.4	275.3	244.7
52.5°	523.8	535.2	531.4	523.8	508.5	489.4	474.1	458.8	443.5	412.9	378.5
50°	680.5	684.3	680.5	672.9	657.6	638.5	607.9	573.5	542.9	535.2	504.7
47.5°	856.4	867.9	867.9	864.0	852.6	818.1	772.3	722.6	699.6	692.0	661.4
45°	1013.1	1020.8	1024.6	1028.4	1024.6	990.2	948.1	921.4	871.7	856.4	856.4
42.5°	1055.2	1059.0	1062.8	1066.7	1078.1	1051.4	1017.0	971.1	959.6	955.8	948.1
40°	1070.5	1062.8	1066.7	1070.5	1074.3	1055.2	1028.4	1001.7	994.0	986.4	986.4
37.5°	1215.8	1181.3	1154.6	1131.6	1112.5	1093.4	1066.7	1043.7	1024.6	1009.3	1024.6
35°	1036.1	1036.1	1062.8	1085.8	1108.7	1131.6	1135.5	1108.7	1066.7	1047.5	1074.3
32.5°	1059.0	1059.0	1059.0	1066.7	1074.3	1093.4	1112.5	1124.0	1154.6	1120.2	1120.2
30°	1081.9	1085.8	1093.4	1097.2	1085.8	1078.1	1070.5	1070.5	1089.6	1139.3	1166.1
27.5°	1215.8	1215.8	1204.3	1189.0	1154.6	1101.1	1074.3	1036.1	1039.9	1062.8	1127.8
25°	1433.7	1426.0	1399.3	1361.0	1299.9	1223.4	1150.8	1070.5	1036.1	1024.6	1051.4
22.5°	1640.1	1628.7	1594.2	1559.8	1510.1	1433.7	1311.3	1189.0	1081.9	1036.1	1024.6
20°	1903.9	1877.2	1838.9	1785.4	1705.1	1628.7	1521.6	1361.0	1204.3	1085.8	1039.9
17.5°	2328.3	2293.9	2221.2	2125.7	1988.0	1869.5	1716.6	1563.7	1387.8	1196.6	1093.4
15°	3257.3	3169.4	3043.2	2779.4	2508.0	2282.4	2053.0	1796.9	1617.2	1364.9	1208.1
12.5°	5123.0	4882.1	4515.1	3899.6	3291.7	2767.9	2397.1	2068.3	1777.8	1544.5	1322.8
10°	8670.9	8154.7	7141.6	5459.4	4339.3	3375.8	2710.6	2270.9	1903.9	1663.1	1418.4
7.5°	21929.5	17888.4	12658.4	8644.1	5677.3	4125.2	3100.6	2462.1	2037.7	1739.5	1494.8
5°	85469.9	70406.8	37558.4	15674.8	8540.9	4989.2	3452.3	2615.0	2125.7	1796.9	1552.2
2.5°	271254.9	234247.0	122898.3	33742.9	10486.8	5620.0	3693.1	2710.6	2175.4	1838.9	1594.2
0°	389630.5	333927.5	172480.5	44378.9	11373.8	5780.6	3769.6	2729.7	2183.0	1846.6	1594.2
-2.5°	356445.7	311959.8	166615.8	41297.5	11622.3	5826.5	3830.8	2794.7	2240.4	1881.0	1605.7
-5°	211797.6	185777.4	116227.0	29445.7	10326.3	5409.7	3670.2	2737.4	2202.1	1861.9	1598.1
-7.5°	55802.4	48309.1	31777.9	15365.2	6682.8	4576.3	3372.0	2641.8	2152.4	1827.5	1567.5
-10°	13453.6	12750.1	11389.1	6981.0	5203.3	3823.1	2989.7	2469.7	2053.0	1781.6	1517.8
-12.5°	6487.9	6334.9	5750.0	4740.7	3861.4	3177.0	2706.8	2290.1	1961.3	1701.3	1449.0
-15°	4220.7	4132.8	3934.0	3547.9	3100.6	2771.8	2443.0	2106.5	1846.6	1582.8	1391.6
-17.5°	3123.5	3119.7	3020.3	2875.0	2653.3	2408.6	2167.7	1953.6	1701.3	1475.7	1330.4
-20°	2588.3	2588.3	2530.9	2435.3	2278.6	2118.0	1957.4	1758.6	1552.2	1384.0	1322.8

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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°	2198.3	2202.1	2171.5	2110.4	2026.3	1892.4	1735.7	1575.1	1426.0	1364.9	1345.7
-25°	1946.0	1938.3	1903.9	1846.6	1758.6	1651.6	1548.4	1441.3	1399.3	1384.0	1410.7
-27.5°	1647.8	1659.2	1643.9	1617.2	1559.8	1483.4	1460.4	1429.9	1437.5	1460.4	1563.7
-30°	1471.9	1483.4	1498.7	1510.1	1491.0	1471.9	1479.6	1502.5	1552.2	1640.1	1678.4
-32.5°	1471.9	1475.7	1498.7	1521.6	1533.1	1548.4	1590.4	1666.9	1739.5	1716.6	1708.9
-35°	1605.7	1594.2	1624.8	1655.4	1697.5	1751.0	1796.9	1781.6	1754.8	1747.2	1754.8
-37.5°	1988.0	1915.4	1884.8	1865.7	1854.2	1846.6	1835.1	1823.6	1812.2	1804.5	1816.0
-40°	1984.2	1965.1	1946.0	1930.7	1919.2	1903.9	1896.3	1892.4	1881.0	1873.3	1865.7
-42.5°	1976.6	1984.2	1984.2	1980.4	1984.2	1980.4	1968.9	1953.6	1934.5	1919.2	1903.9
-45°	2033.9	2037.7	2045.4	2053.0	2064.5	2049.2	2026.3	1999.5	1972.7	1949.8	1930.7
-47.5°	2068.3	2072.1	2079.8	2091.3	2098.9	2083.6	2053.0	2018.6	1976.6	1938.3	1900.1
-50°	2079.8	2091.3	2095.1	2095.1	2091.3	2072.1	2026.3	1976.6	1930.7	1892.4	1858.0
-52.5°	2026.3	2037.7	2041.6	2033.9	2030.1	2011.0	1968.9	1923.0	1873.3	1846.6	1816.0
-55°	1938.3	1953.6	1965.1	1965.1	1965.1	1961.3	1923.0	1881.0	1842.7	1812.2	1781.6
-57.5°	1903.9	1930.7	1953.6	1957.4	1961.3	1965.1	1938.3	1896.3	1850.4	1804.5	1766.3
-60°	2030.1	2053.0	2064.5	2049.2	2037.7	2026.3	1984.2	1934.5	1888.6	1842.7	1770.1
-62.5°	1995.7	2033.9	2053.0	2041.6	2026.3	2007.1	1961.3	1903.9	1850.4	1800.7	1728.1
-65°	1884.8	1919.2	1942.2	1923.0	1900.1	1873.3	1831.3	1777.8	1728.1	1678.4	1613.4
-67.5°	1697.5	1747.2	1785.4	1743.3	1712.8	1678.4	1643.9	1598.1	1548.4	1491.0	1429.9
-70°	1403.1	1441.3	1475.7	1464.3	1456.6	1449.0	1426.0	1380.2	1338.1	1292.2	1238.7
-72.5°	1127.8	1162.2	1192.8	1173.7	1158.4	1135.5	1101.1	1051.4	1001.7	952.0	902.3
-75°	623.2	634.6	646.1	642.3	642.3	642.3	642.3	646.1	638.5	627.0	604.1
-77.5°	477.9	493.2	504.7	512.3	523.8	539.1	550.5	531.4	512.3	493.2	470.2
-80°	374.7	390.0	401.4	443.5	474.1	508.5	531.4	504.7	477.9	455.0	435.8
-82.5°	282.9	294.4	305.9	328.8	344.1	363.2	378.5	378.5	374.7	370.8	359.4
-85°	206.4	221.7	237.0	244.7	256.1	256.1	260.0	244.7	229.4	217.9	202.6
-87.5°	118.5	122.3	122.3	122.3	126.2	126.2	126.2	118.5	114.7	107.0	103.2
-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):

	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°	3.8	3.8	3.8	7.6	7.6	11.5	11.5	15.3	15.3	19.1	19.1
85°	22.9	22.9	22.9	26.8	26.8	30.6	34.4	38.2	42.1	42.1	45.9
82.5°	38.2	42.1	45.9	49.7	53.5	57.3	61.2	65.0	76.5	84.1	87.9
80°	38.2	42.1	53.5	61.2	68.8	76.5	76.5	76.5	76.5	80.3	87.9
77.5°	26.8	30.6	34.4	42.1	61.2	76.5	87.9	95.6	87.9	84.1	76.5
75°	15.3	19.1	22.9	26.8	38.2	53.5	72.6	91.8	107.0	103.2	95.6
72.5°	15.3	15.3	19.1	22.9	26.8	30.6	34.4	53.5	76.5	95.6	107.0
70°	15.3	19.1	19.1	22.9	26.8	30.6	34.4	42.1	53.5	76.5	99.4
67.5°	15.3	19.1	19.1	26.8	34.4	38.2	42.1	38.2	34.4	49.7	72.6
65°	15.3	15.3	19.1	22.9	26.8	30.6	42.1	42.1	38.2	38.2	38.2
62.5°	22.9	22.9	22.9	22.9	26.8	26.8	26.8	34.4	34.4	34.4	34.4
60°	45.9	42.1	42.1	42.1	42.1	34.4	34.4	34.4	30.6	34.4	30.6
57.5°	110.9	91.8	84.1	84.1	72.6	68.8	57.3	42.1	42.1	34.4	34.4
55°	225.6	214.1	179.7	149.1	133.8	118.5	91.8	76.5	57.3	45.9	42.1
52.5°	347.9	317.3	286.7	248.5	210.3	179.7	152.9	118.5	95.6	68.8	53.5
50°	455.0	428.2	393.8	351.7	302.0	263.8	225.6	179.7	141.5	107.0	76.5
47.5°	619.3	565.8	523.8	474.1	416.7	363.2	313.5	260.0	198.8	156.7	118.5
45°	795.2	718.7	661.4	615.5	539.1	466.4	409.1	351.7	279.1	206.4	160.6
42.5°	917.6	860.2	783.7	722.6	653.8	577.3	500.8	439.7	363.2	279.1	206.4
40°	982.5	944.3	883.1	829.6	757.0	672.9	592.6	531.4	451.1	359.4	260.0
37.5°	1032.2	1013.1	982.5	940.5	871.7	772.3	692.0	619.3	550.5	443.5	336.4
35°	1089.6	1085.8	1066.7	1047.5	990.2	894.6	799.0	714.9	630.8	531.4	412.9
32.5°	1143.1	1139.3	1127.8	1120.2	1097.2	1013.1	909.9	814.3	718.7	615.5	485.5
30°	1169.9	1162.2	1162.2	1169.9	1146.9	1093.4	1017.0	913.7	806.7	684.3	562.0
27.5°	1169.9	1162.2	1166.1	1177.5	1173.7	1146.9	1089.6	1005.5	887.0	749.3	630.8
25°	1120.2	1158.4	1158.4	1173.7	1177.5	1169.9	1139.3	1085.8	963.4	818.1	684.3
22.5°	1051.4	1143.1	1177.5	1173.7	1177.5	1196.6	1200.5	1150.8	1036.1	887.0	737.9
20°	1051.4	1116.4	1215.8	1189.0	1196.6	1238.7	1257.8	1215.8	1112.5	952.0	791.4
17.5°	1074.3	1116.4	1200.5	1242.5	1254.0	1288.4	1319.0	1292.2	1181.3	1020.8	864.0
15°	1139.3	1131.6	1189.0	1292.2	1311.3	1338.1	1372.5	1341.9	1242.5	1097.2	932.8
12.5°	1185.2	1143.1	1189.0	1299.9	1361.0	1387.8	1399.3	1376.3	1296.0	1166.1	1001.7
10°	1246.3	1173.7	1196.6	1292.2	1380.2	1399.3	1410.7	1403.1	1345.7	1223.4	1062.8
7.5°	1292.2	1189.0	1189.0	1280.7	1399.3	1414.6	1422.2	1429.9	1387.8	1273.1	1116.4
5°	1311.3	1189.0	1181.3	1269.3	1418.4	1433.7	1433.7	1445.1	1418.4	1311.3	1154.6
2.5°	1315.2	1185.2	1173.7	1261.6	1452.8	1452.8	1445.1	1456.6	1441.3	1334.3	1181.3
0°	1334.3	1181.3	1169.9	1273.1	1491.0	1475.7	1456.6	1460.4	1452.8	1345.7	1196.6
-2.5°	1334.3	1200.5	1185.2	1280.7	1487.2	1483.4	1475.7	1479.6	1471.9	1380.2	1227.2
-5°	1353.4	1227.2	1211.9	1315.2	1483.4	1494.8	1498.7	1498.7	1487.2	1403.1	1246.3
-7.5°	1357.2	1246.3	1242.5	1349.6	1491.0	1510.1	1521.6	1529.3	1506.3	1418.4	1261.6
-10°	1338.1	1254.0	1273.1	1391.6	1498.7	1525.4	1548.4	1559.8	1521.6	1426.0	1269.3
-12.5°	1296.0	1254.0	1303.7	1445.1	1517.8	1548.4	1582.8	1586.6	1536.9	1429.9	1273.1
-15°	1292.2	1284.6	1357.2	1498.7	1529.3	1567.5	1621.0	1609.5	1548.4	1429.9	1273.1
-17.5°	1288.4	1326.6	1437.5	1517.8	1548.4	1590.4	1632.5	1621.0	1556.0	1429.9	1265.5
-20°	1322.8	1395.4	1533.1	1536.9	1571.3	1617.2	1640.1	1617.2	1544.5	1418.4	1254.0

REPORT NUMBER: P723738

CATALOG NUMBER: IFLD-M-SA4D-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	1380.2	1517.8	1563.7	1579.0	1609.5	1643.9	1655.4	1621.0	1533.1	1399.3	1234.9
-25°	1525.4	1594.2	1594.2	1628.7	1659.2	1674.5	1663.1	1624.8	1517.8	1380.2	1215.8
-27.5°	1636.3	1632.5	1651.6	1686.0	1712.8	1712.8	1682.2	1605.7	1494.8	1361.0	1189.0
-30°	1678.4	1682.2	1708.9	1747.2	1754.8	1735.7	1689.8	1590.4	1475.7	1330.4	1154.6
-32.5°	1720.4	1735.7	1770.1	1789.2	1793.0	1754.8	1670.7	1563.7	1445.1	1296.0	1116.4
-35°	1770.1	1800.7	1819.8	1823.6	1804.5	1739.5	1643.9	1529.3	1399.3	1246.3	1081.9
-37.5°	1835.1	1850.4	1861.9	1846.6	1793.0	1716.6	1598.1	1483.4	1357.2	1192.8	1032.2
-40°	1877.2	1884.8	1888.6	1838.9	1773.9	1663.1	1548.4	1429.9	1284.6	1131.6	978.7
-42.5°	1903.9	1896.3	1865.7	1812.2	1716.6	1609.5	1498.7	1364.9	1219.6	1070.5	921.4
-45°	1896.3	1869.5	1823.6	1758.6	1659.2	1552.2	1422.2	1288.4	1150.8	1005.5	856.4
-47.5°	1865.7	1823.6	1766.3	1689.8	1598.1	1468.1	1338.1	1208.1	1074.3	932.8	795.2
-50°	1827.5	1777.8	1708.9	1613.4	1491.0	1372.5	1254.0	1127.8	990.2	860.2	737.9
-52.5°	1785.4	1731.9	1643.9	1536.9	1403.1	1280.7	1166.1	1043.7	917.6	795.2	688.2
-55°	1739.5	1686.0	1586.6	1464.3	1330.4	1196.6	1085.8	982.5	860.2	741.7	646.1
-57.5°	1716.6	1647.8	1544.5	1422.2	1280.7	1143.1	1047.5	936.7	825.8	703.5	611.7
-60°	1697.5	1628.7	1533.1	1391.6	1257.8	1127.8	1017.0	909.9	791.4	676.7	584.9
-62.5°	1643.9	1571.3	1483.4	1345.7	1215.8	1097.2	997.8	871.7	757.0	649.9	565.8
-65°	1536.9	1460.4	1384.0	1261.6	1143.1	1032.2	932.8	818.1	711.1	619.3	546.7
-67.5°	1368.7	1303.7	1234.9	1131.6	1032.2	932.8	841.1	741.7	653.8	588.8	550.5
-70°	1181.3	1112.5	1043.7	959.6	875.5	795.2	722.6	649.9	592.6	558.2	527.6
-72.5°	860.2	829.6	795.2	730.2	661.4	611.7	577.3	546.7	504.7	474.1	455.0
-75°	573.5	531.4	477.9	455.0	458.8	451.1	432.0	409.1	390.0	378.5	351.7
-77.5°	447.3	424.4	397.6	370.8	359.4	347.9	332.6	313.5	298.2	271.4	233.2
-80°	412.9	393.8	374.7	355.6	336.4	309.7	279.1	248.5	233.2	221.7	217.9
-82.5°	340.3	317.3	294.4	275.3	248.5	229.4	210.3	195.0	195.0	191.2	187.3
-85°	195.0	187.3	175.9	168.2	160.6	149.1	137.6	130.0	126.2	122.3	118.5
-87.5°	99.4	95.6	87.9	84.1	80.3	76.5	68.8	65.0	61.2	61.2	57.3
-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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CATALOG NUMBER: IFLD-M-SA4D-740-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°	19.1	19.1	15.3	15.3	15.3	11.5	7.6	7.6	3.8	3.8	0.0
85°	45.9	38.2	34.4	30.6	30.6	22.9	15.3	11.5	7.6	3.8	3.8
82.5°	87.9	76.5	65.0	57.3	45.9	34.4	26.8	19.1	11.5	7.6	3.8
80°	99.4	99.4	95.6	80.3	65.0	49.7	34.4	22.9	15.3	11.5	7.6
77.5°	76.5	84.1	84.1	84.1	80.3	61.2	42.1	26.8	15.3	11.5	7.6
75°	87.9	76.5	72.6	76.5	72.6	61.2	49.7	30.6	19.1	15.3	7.6
72.5°	107.0	91.8	80.3	76.5	68.8	57.3	45.9	34.4	19.1	15.3	11.5
70°	99.4	95.6	87.9	80.3	68.8	57.3	45.9	34.4	22.9	15.3	11.5
67.5°	87.9	87.9	87.9	80.3	68.8	53.5	42.1	30.6	22.9	15.3	11.5
65°	61.2	72.6	80.3	76.5	68.8	53.5	42.1	30.6	22.9	19.1	11.5
62.5°	38.2	49.7	65.0	72.6	65.0	53.5	38.2	30.6	22.9	19.1	11.5
60°	34.4	38.2	45.9	57.3	61.2	49.7	38.2	26.8	22.9	19.1	11.5
57.5°	34.4	34.4	38.2	45.9	49.7	45.9	34.4	22.9	22.9	19.1	15.3
55°	38.2	34.4	34.4	38.2	42.1	42.1	34.4	22.9	22.9	19.1	15.3
52.5°	45.9	38.2	34.4	34.4	34.4	38.2	30.6	22.9	22.9	19.1	15.3
50°	57.3	45.9	42.1	34.4	34.4	34.4	30.6	22.9	19.1	19.1	15.3
47.5°	76.5	61.2	45.9	42.1	34.4	30.6	26.8	22.9	19.1	19.1	15.3
45°	114.7	72.6	61.2	45.9	38.2	34.4	30.6	22.9	19.1	19.1	15.3
42.5°	156.7	107.0	76.5	53.5	42.1	34.4	30.6	26.8	19.1	19.1	15.3
40°	198.8	145.3	95.6	68.8	49.7	38.2	30.6	26.8	22.9	19.1	15.3
37.5°	244.7	179.7	126.2	87.9	57.3	42.1	34.4	26.8	22.9	19.1	15.3
35°	302.0	225.6	156.7	107.0	68.8	49.7	38.2	26.8	22.9	19.1	15.3
32.5°	367.0	267.6	187.3	130.0	87.9	61.2	42.1	30.6	22.9	19.1	15.3
30°	428.2	317.3	221.7	156.7	107.0	68.8	45.9	30.6	22.9	19.1	11.5
27.5°	489.4	367.0	263.8	183.5	130.0	80.3	49.7	34.4	22.9	19.1	15.3
25°	550.5	416.7	305.9	210.3	149.1	95.6	61.2	38.2	22.9	19.1	15.3
22.5°	604.1	466.4	344.1	240.9	172.0	110.9	68.8	42.1	26.8	19.1	15.3
20°	665.2	519.9	386.1	275.3	191.2	126.2	76.5	45.9	26.8	19.1	15.3
17.5°	722.6	573.5	428.2	305.9	214.1	141.5	87.9	49.7	30.6	19.1	15.3
15°	779.9	623.2	466.4	336.4	237.0	156.7	95.6	53.5	34.4	19.1	15.3
12.5°	833.4	669.0	500.8	363.2	256.1	172.0	103.2	57.3	38.2	19.1	15.3
10°	883.1	711.1	535.2	386.1	275.3	183.5	110.9	65.0	42.1	19.1	15.3
7.5°	932.8	745.5	562.0	409.1	298.2	198.8	118.5	68.8	45.9	22.9	15.3
5°	963.4	776.1	584.9	428.2	317.3	214.1	126.2	72.6	49.7	22.9	15.3
2.5°	990.2	799.0	600.2	447.3	336.4	225.6	126.2	76.5	53.5	22.9	15.3
0°	1005.5	814.3	611.7	458.8	351.7	233.2	130.0	80.3	57.3	22.9	15.3
-2.5°	1039.9	841.1	638.5	474.1	367.0	256.1	137.6	84.1	61.2	26.8	15.3
-5°	1062.8	856.4	657.6	489.4	378.5	279.1	149.1	91.8	68.8	34.4	19.1
-7.5°	1081.9	871.7	672.9	497.0	390.0	286.7	152.9	95.6	72.6	38.2	19.1
-10°	1085.8	879.3	684.3	508.5	397.6	298.2	156.7	99.4	76.5	42.1	19.1
-12.5°	1089.6	887.0	688.2	516.1	405.3	305.9	160.6	103.2	80.3	45.9	19.1
-15°	1085.8	883.1	688.2	523.8	409.1	298.2	168.2	107.0	84.1	49.7	19.1
-17.5°	1078.1	879.3	684.3	519.9	405.3	290.6	172.0	114.7	84.1	53.5	22.9
-20°	1066.7	867.9	676.7	516.1	401.4	282.9	175.9	118.5	87.9	53.5	22.9

REPORT NUMBER: P723738

CATALOG NUMBER: IFLD-M-SA4D-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1047.5	848.7	661.4	504.7	393.8	275.3	175.9	126.2	91.8	53.5	22.9
-25°	1024.6	829.6	646.1	489.4	382.3	263.8	175.9	130.0	95.6	53.5	22.9
-27.5°	997.8	810.5	623.2	477.9	367.0	256.1	175.9	133.8	99.4	53.5	22.9
-30°	967.3	783.7	604.1	458.8	355.6	256.1	179.7	137.6	103.2	53.5	22.9
-32.5°	936.7	757.0	581.1	443.5	340.3	252.3	179.7	141.5	107.0	49.7	26.8
-35°	902.3	726.4	562.0	432.0	328.8	244.7	183.5	141.5	103.2	49.7	26.8
-37.5°	860.2	688.2	542.9	420.5	321.1	237.0	183.5	145.3	99.4	49.7	26.8
-40°	814.3	657.6	519.9	405.3	309.7	233.2	183.5	145.3	95.6	49.7	30.6
-42.5°	764.6	623.2	497.0	390.0	298.2	229.4	183.5	145.3	91.8	49.7	30.6
-45°	718.7	588.8	470.2	370.8	286.7	229.4	183.5	141.5	84.1	53.5	30.6
-47.5°	669.0	550.5	439.7	351.7	282.9	225.6	179.7	133.8	76.5	53.5	30.6
-50°	627.0	512.3	416.7	332.6	275.3	229.4	183.5	122.3	76.5	53.5	30.6
-52.5°	584.9	485.5	390.0	325.0	267.6	233.2	179.7	114.7	76.5	53.5	30.6
-55°	550.5	458.8	374.7	313.5	275.3	240.9	172.0	103.2	76.5	53.5	30.6
-57.5°	523.8	443.5	363.2	317.3	286.7	233.2	160.6	99.4	76.5	49.7	30.6
-60°	504.7	428.2	367.0	332.6	290.6	221.7	152.9	99.4	76.5	49.7	26.8
-62.5°	489.4	432.0	386.1	344.1	275.3	206.4	145.3	99.4	68.8	45.9	26.8
-65°	493.2	447.3	393.8	328.8	263.8	191.2	133.8	95.6	65.0	42.1	26.8
-67.5°	504.7	435.8	370.8	309.7	237.0	172.0	122.3	87.9	61.2	42.1	26.8
-70°	466.4	401.4	336.4	263.8	202.6	149.1	114.7	80.3	53.5	38.2	26.8
-72.5°	420.5	336.4	267.6	214.1	172.0	137.6	103.2	72.6	49.7	34.4	22.9
-75°	305.9	244.7	198.8	179.7	152.9	122.3	91.8	65.0	45.9	34.4	22.9
-77.5°	217.9	202.6	183.5	164.4	137.6	107.0	80.3	61.2	42.1	30.6	19.1
-80°	214.1	195.0	172.0	141.5	114.7	91.8	68.8	53.5	38.2	26.8	15.3
-82.5°	179.7	152.9	130.0	107.0	87.9	72.6	57.3	42.1	30.6	19.1	11.5
-85°	110.9	95.6	84.1	72.6	61.2	49.7	38.2	26.8	19.1	11.5	7.6
-87.5°	53.5	49.7	42.1	34.4	30.6	22.9	19.1	15.3	11.5	7.6	3.8
-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-SA4D-740-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°	3.8	0.0	0.0	0.0
80°	3.8	0.0	0.0	0.0
77.5°	3.8	0.0	0.0	0.0
75°	3.8	3.8	0.0	0.0
72.5°	3.8	3.8	0.0	0.0
70°	7.6	3.8	3.8	0.0
67.5°	7.6	3.8	3.8	0.0
65°	7.6	3.8	3.8	0.0
62.5°	7.6	3.8	3.8	0.0
60°	7.6	3.8	3.8	0.0
57.5°	7.6	3.8	3.8	0.0
55°	7.6	3.8	3.8	0.0
52.5°	7.6	3.8	3.8	0.0
50°	7.6	3.8	3.8	0.0
47.5°	7.6	7.6	3.8	0.0
45°	7.6	7.6	3.8	0.0
42.5°	7.6	7.6	3.8	0.0
40°	7.6	7.6	3.8	0.0
37.5°	7.6	7.6	3.8	0.0
35°	7.6	7.6	3.8	0.0
32.5°	11.5	7.6	3.8	0.0
30°	11.5	7.6	7.6	0.0
27.5°	11.5	7.6	7.6	0.0
25°	11.5	7.6	7.6	0.0
22.5°	11.5	7.6	7.6	0.0
20°	11.5	7.6	7.6	0.0
17.5°	11.5	7.6	7.6	0.0
15°	11.5	7.6	7.6	0.0
12.5°	11.5	7.6	7.6	0.0
10°	11.5	7.6	7.6	0.0
7.5°	11.5	7.6	7.6	0.0
5°	11.5	7.6	7.6	0.0
2.5°	11.5	7.6	7.6	0.0
0°	11.5	7.6	7.6	0.0
-2.5°	11.5	7.6	7.6	0.0
-5°	11.5	7.6	7.6	0.0
-7.5°	11.5	7.6	7.6	0.0
-10°	11.5	7.6	7.6	0.0
-12.5°	15.3	7.6	7.6	0.0
-15°	15.3	7.6	7.6	0.0
-17.5°	15.3	7.6	7.6	0.0
-20°	15.3	7.6	7.6	0.0

REPORT NUMBER: P723738

CATALOG NUMBER: IFLD-M-SA4D-740-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	15.3	7.6	7.6	0.0
-25°	15.3	7.6	7.6	0.0
-27.5°	15.3	7.6	7.6	0.0
-30°	15.3	7.6	7.6	0.0
-32.5°	15.3	7.6	7.6	0.0
-35°	15.3	7.6	7.6	0.0
-37.5°	15.3	7.6	7.6	0.0
-40°	15.3	7.6	7.6	0.0
-42.5°	11.5	7.6	3.8	0.0
-45°	15.3	7.6	3.8	0.0
-47.5°	15.3	7.6	3.8	0.0
-50°	15.3	7.6	3.8	0.0
-52.5°	15.3	7.6	3.8	0.0
-55°	15.3	7.6	3.8	0.0
-57.5°	15.3	7.6	3.8	0.0
-60°	15.3	7.6	3.8	0.0
-62.5°	15.3	7.6	3.8	0.0
-65°	15.3	7.6	3.8	0.0
-67.5°	15.3	7.6	3.8	0.0
-70°	15.3	3.8	3.8	0.0
-72.5°	11.5	3.8	3.8	0.0
-75°	11.5	3.8	3.8	0.0
-77.5°	7.6	3.8	0.0	0.0
-80°	7.6	3.8	0.0	0.0
-82.5°	7.6	3.8	0.0	0.0
-85°	3.8	0.0	0.0	0.0
-87.5°	3.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)