

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: P723858

Luminaire Tested: **IFLD-L-SA7C-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723858
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	18647.9 lumens	Max Intensity:	438718.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	50.5 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' 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:	6762.5 lumens	Field Lumens:	10780.7 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

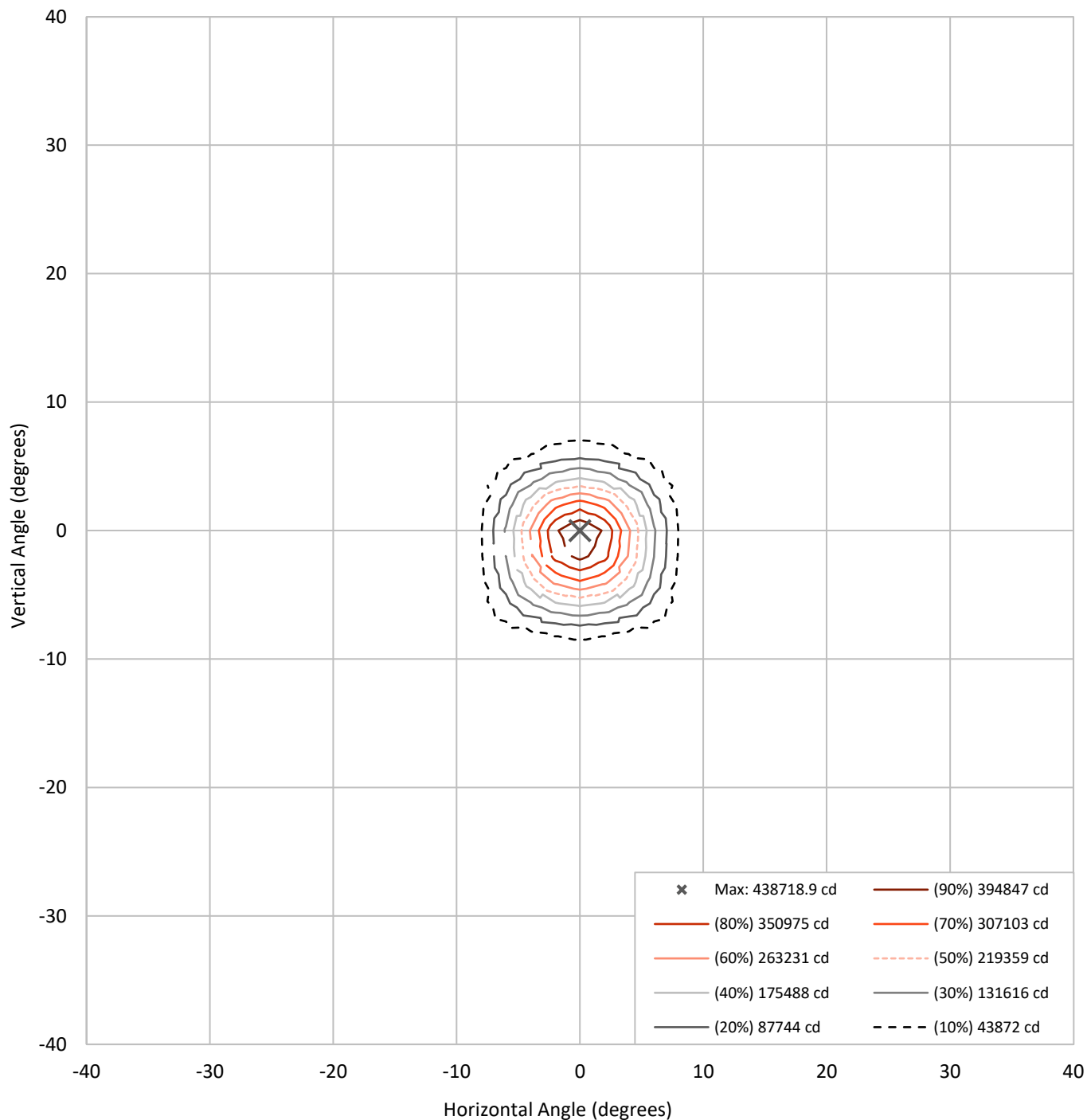
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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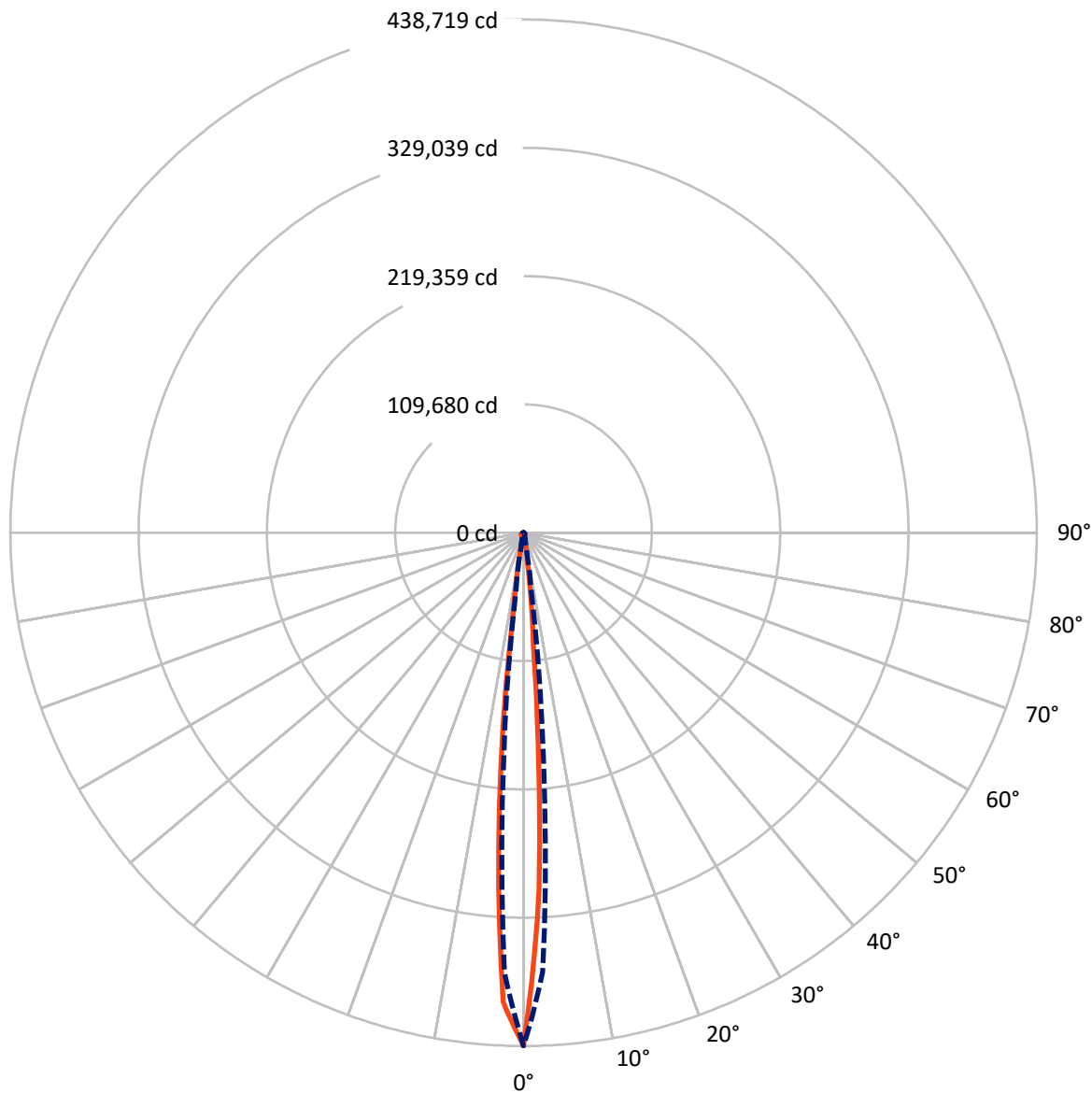
Lumen Table

90	0.3		4.1		4.5		1.7		0.5		1.7		4.5		4.1		0.3			
80																				
70	0.5	0.9	1.2	0.9	0.7	0.6	0.5	0.3	0.3	0.5	0.6	0.7	0.9	1.2	0.9	0.5				
60		0.6	0.8	2.2	4.8	7.9	10.1	11.6	11.6	10.1	7.9	4.8	2.2	0.8	0.6					
50	0.5	0.6	2.6	8.5	16.7	24.5	29.4	32.6	32.6	29.4	24.5	16.7	8.5	2.6	0.6	0.5				
40		1.3	6.5	17.4	28.4	33.3	36.0	37.2	37.2	36.0	33.3	28.4	17.4	6.5	1.3					
30	0.7	2.4	11.0	25.4	32.9	33.8	39.9	48.1	48.1	39.9	33.8	32.9	25.4	11.0	2.4	0.7				
20		3.8	15.5	31.2	35.0	39.5	69.5	118.3	118.3	69.5	39.5	35.0	31.2	15.5	3.8					
10	1.2	4.9	19.0	34.3	36.3	48.8	132.1	2448.0	2448.0	132.1	48.8	36.3	34.3	19.0	4.9	1.2				
0		5.8	20.8	36.0	37.7	50.4	142.3	3569.4	3569.4	142.3	50.4	37.7	36.0	20.8	5.8					
-10	1.8	6.2	21.4	37.9	40.8	45.5	82.7	158.8	158.8	82.7	45.5	40.8	37.9	21.4	6.2	1.8				
-20		5.8	20.3	38.4	45.8	45.8	53.6	65.4	65.4	53.6	45.8	45.8	38.4	20.3	5.8					
-30	2.0	5.2	17.9	36.7	50.3	54.9	57.1	57.6	57.6	57.1	54.9	50.3	36.7	17.9	5.2	2.0				
-40		4.5	14.4	31.1	48.5	59.0	66.2	69.4	69.4	66.2	59.0	48.5	31.1	14.4	4.5					
-50	1.6	4.1	11.1	24.2	41.4	55.6	64.6	68.3	68.3	64.6	55.6	41.4	24.2	11.1	4.1	1.6				
-60		3.8	9.8	19.7	34.5	48.6	58.8	63.6	63.6	58.8	48.6	34.5	19.7	9.8	3.8					
-70	0.7	11.5		34.4		63.6		70.3		63.6		34.4		11.5		0.7				
-80																				
-90	0.3		4.1		4.5		1.7		0.5		1.7		4.5		4.1		0.3			
	-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



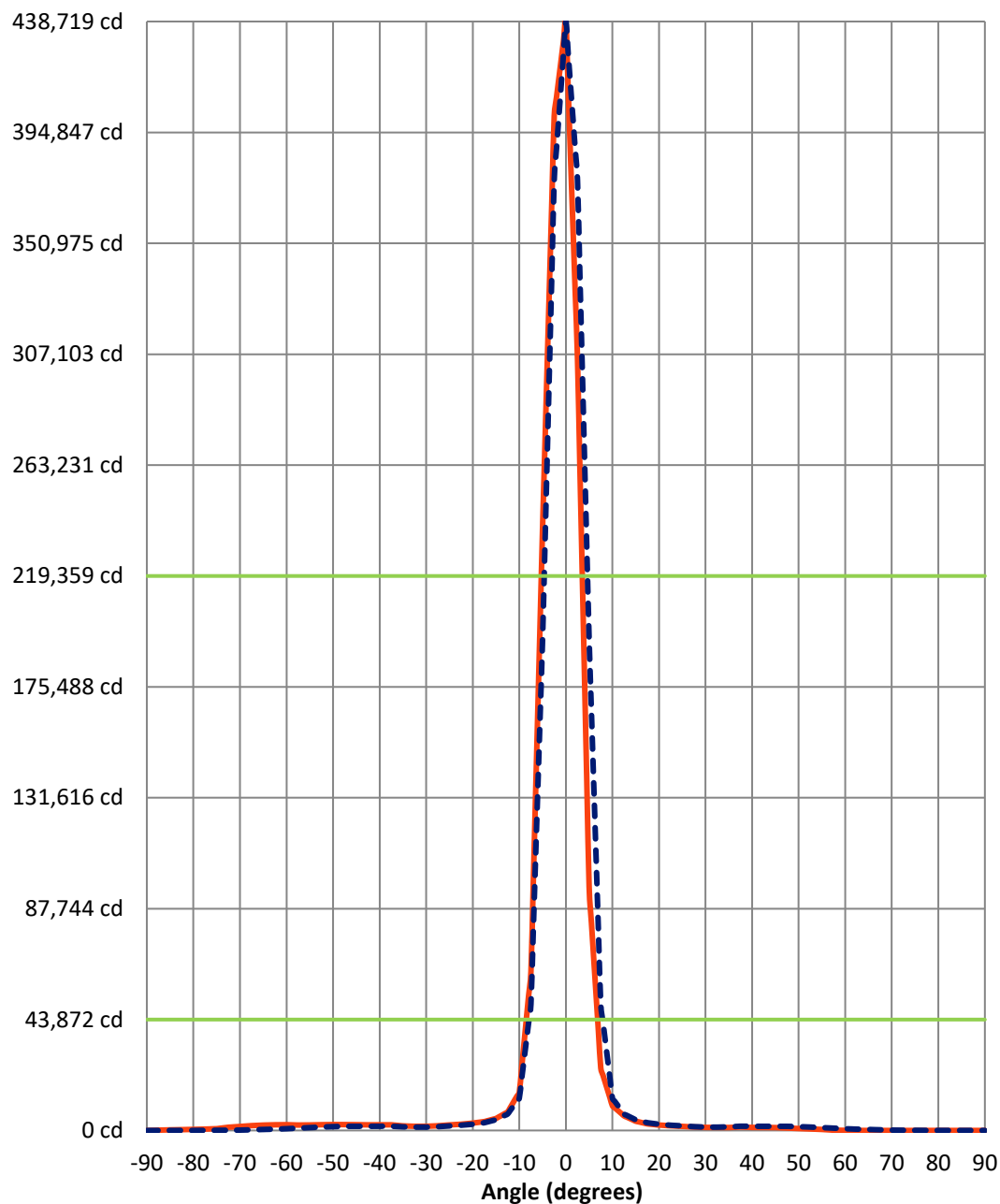
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 6762.5

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 10780.7

Efficiency: 57.8%

Spill:

Lumens: 7867.1

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	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	0.0	4.3	4.3	8.6	8.6	8.6	12.9	17.2	21.5	21.5	25.8
82.5°	0.0	4.3	4.3	8.6	8.6	12.9	12.9	21.5	25.8	30.1	38.7
80°	4.3	4.3	4.3	8.6	8.6	12.9	12.9	17.2	21.5	30.1	34.4
77.5°	0.0	4.3	4.3	4.3	8.6	8.6	8.6	12.9	17.2	21.5	25.8
75°	0.0	4.3	4.3	4.3	8.6	8.6	8.6	8.6	12.9	12.9	17.2
72.5°	0.0	0.0	0.0	4.3	4.3	8.6	8.6	8.6	12.9	12.9	12.9
70°	0.0	0.0	0.0	4.3	4.3	8.6	8.6	8.6	12.9	12.9	12.9
67.5°	0.0	0.0	0.0	4.3	4.3	8.6	8.6	8.6	12.9	12.9	12.9
65°	0.0	0.0	0.0	4.3	4.3	8.6	8.6	12.9	12.9	12.9	12.9
62.5°	4.3	4.3	4.3	8.6	12.9	12.9	17.2	21.5	21.5	21.5	21.5
60°	43.0	47.4	51.7	51.7	47.4	47.4	51.7	51.7	51.7	51.7	51.7
57.5°	116.2	124.8	129.1	129.1	129.1	124.8	142.1	146.4	129.1	120.5	133.4
55°	404.7	417.6	409.0	396.0	370.2	340.1	331.5	327.2	331.5	309.9	275.5
52.5°	589.8	602.7	598.4	589.8	572.5	551.0	533.8	516.6	499.4	464.9	426.2
50°	766.3	770.6	766.3	757.6	740.4	718.9	684.5	645.7	611.3	602.7	568.2
47.5°	964.3	977.2	977.2	972.9	960.0	921.2	869.6	813.6	787.8	779.2	744.7
45°	1140.8	1149.4	1153.7	1158.0	1153.7	1114.9	1067.6	1037.5	981.5	964.3	964.3
42.5°	1188.1	1192.4	1196.7	1201.0	1214.0	1183.8	1145.1	1093.4	1080.5	1076.2	1067.6
40°	1205.3	1196.7	1201.0	1205.3	1209.6	1188.1	1158.0	1127.9	1119.2	1110.6	1110.6
37.5°	1368.9	1330.2	1300.0	1274.2	1252.7	1231.2	1201.0	1175.2	1153.7	1136.5	1153.7
35°	1166.6	1166.6	1196.7	1222.6	1248.4	1274.2	1278.5	1248.4	1201.0	1179.5	1209.6
32.5°	1192.4	1192.4	1192.4	1201.0	1209.6	1231.2	1252.7	1265.6	1300.0	1261.3	1261.3
30°	1218.3	1222.6	1231.2	1235.5	1222.6	1214.0	1205.3	1205.3	1226.9	1282.8	1313.0
27.5°	1368.9	1368.9	1356.0	1338.8	1300.0	1239.8	1209.6	1166.6	1170.9	1196.7	1269.9
25°	1614.3	1605.7	1575.6	1532.5	1463.6	1377.5	1295.7	1205.3	1166.6	1153.7	1183.8
22.5°	1846.8	1833.8	1795.1	1756.4	1700.4	1614.3	1476.5	1338.8	1218.3	1166.6	1153.7
20°	2143.8	2113.7	2070.6	2010.3	1919.9	1833.8	1713.3	1532.5	1356.0	1222.6	1170.9
17.5°	2621.6	2582.9	2501.1	2393.5	2238.5	2105.0	1932.9	1760.7	1562.6	1347.4	1231.2
15°	3667.7	3568.7	3426.6	3129.6	2823.9	2570.0	2311.7	2023.3	1820.9	1536.8	1360.3
12.5°	5768.4	5497.2	5084.0	4390.9	3706.4	3116.7	2699.1	2328.9	2001.7	1739.1	1489.5
10°	9763.3	9182.1	8041.4	6147.2	4885.9	3801.1	3052.1	2557.0	2143.8	1872.6	1597.1
7.5°	24692.3	20142.1	14253.2	9733.1	6392.6	4644.9	3491.2	2772.3	2294.5	1958.7	1683.2
5°	96238.0	79277.1	42290.3	17649.7	9616.9	5617.8	3887.2	2944.5	2393.5	2023.3	1747.7
2.5°	305429.5	263759.1	138381.9	37994.1	11808.1	6328.0	4158.4	3052.1	2449.4	2070.6	1795.1
0°	438718.9	375998.0	194210.8	49970.1	12806.8	6508.9	4244.5	3073.6	2458.0	2079.2	1795.1
-2.5°	401353.3	351262.7	187607.3	46500.4	13086.6	6560.5	4313.4	3146.8	2522.6	2118.0	1808.0
-5°	238481.4	209182.9	130870.1	33155.5	11627.3	6091.3	4132.6	3082.2	2479.6	2096.4	1799.4
-7.5°	62832.8	54395.4	35781.5	17301.0	7524.8	5152.8	3796.8	2974.6	2423.6	2057.7	1765.0
-10°	15148.6	14356.5	12824.0	7860.6	5858.8	4304.8	3366.3	2780.9	2311.7	2006.0	1709.0
-12.5°	7305.2	7133.0	6474.4	5337.9	4347.8	3577.3	3047.8	2578.6	2208.4	1915.6	1631.5
-15°	4752.5	4653.5	4429.6	3994.8	3491.2	3121.0	2750.8	2371.9	2079.2	1782.2	1566.9
-17.5°	3517.0	3512.7	3400.8	3237.2	2987.5	2712.0	2440.8	2199.8	1915.6	1661.7	1498.1
-20°	2914.3	2914.3	2849.8	2742.2	2565.7	2384.9	2204.1	1980.2	1747.7	1558.3	1489.5

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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°	2475.3	2479.6	2445.1	2376.2	2281.5	2130.9	1954.4	1773.6	1605.7	1536.8	1515.3
-25°	2191.1	2182.5	2143.8	2079.2	1980.2	1859.7	1743.4	1622.9	1575.6	1558.3	1588.5
-27.5°	1855.4	1868.3	1851.1	1820.9	1756.4	1670.3	1644.4	1610.0	1618.6	1644.4	1760.7
-30°	1657.3	1670.3	1687.5	1700.4	1678.9	1657.3	1666.0	1691.8	1747.7	1846.8	1889.8
-32.5°	1657.3	1661.7	1687.5	1713.3	1726.2	1743.4	1790.8	1876.9	1958.7	1932.9	1924.2
-35°	1808.0	1795.1	1829.5	1864.0	1911.3	1971.6	2023.3	2006.0	1975.9	1967.3	1975.9
-37.5°	2238.5	2156.7	2122.3	2100.7	2087.8	2079.2	2066.3	2053.4	2040.5	2031.9	2044.8
-40°	2234.2	2212.7	2191.1	2173.9	2161.0	2143.8	2135.2	2130.9	2118.0	2109.3	2100.7
-42.5°	2225.6	2234.2	2234.2	2229.9	2234.2	2229.9	2217.0	2199.8	2178.2	2161.0	2143.8
-45°	2290.2	2294.5	2303.1	2311.7	2324.6	2307.4	2281.5	2251.4	2221.3	2195.4	2173.9
-47.5°	2328.9	2333.2	2341.8	2354.7	2363.3	2346.1	2311.7	2272.9	2225.6	2182.5	2139.5
-50°	2341.8	2354.7	2359.0	2359.0	2354.7	2333.2	2281.5	2225.6	2173.9	2130.9	2092.1
-52.5°	2281.5	2294.5	2298.8	2290.2	2285.8	2264.3	2217.0	2165.3	2109.3	2079.2	2044.8
-55°	2182.5	2199.8	2212.7	2212.7	2212.7	2208.4	2165.3	2118.0	2074.9	2040.5	2006.0
-57.5°	2143.8	2173.9	2199.8	2204.1	2208.4	2212.7	2182.5	2135.2	2083.5	2031.9	1988.8
-60°	2285.8	2311.7	2324.6	2307.4	2294.5	2281.5	2234.2	2178.2	2126.6	2074.9	1993.1
-62.5°	2247.1	2290.2	2311.7	2298.8	2281.5	2260.0	2208.4	2143.8	2083.5	2027.6	1945.8
-65°	2122.3	2161.0	2186.8	2165.3	2139.5	2109.3	2062.0	2001.7	1945.8	1889.8	1816.6
-67.5°	1911.3	1967.3	2010.3	1963.0	1928.5	1889.8	1851.1	1799.4	1743.4	1678.9	1610.0
-70°	1579.9	1622.9	1661.7	1648.7	1640.1	1631.5	1605.7	1554.0	1506.7	1455.0	1394.8
-72.5°	1269.9	1308.7	1343.1	1321.6	1304.4	1278.5	1239.8	1183.8	1127.9	1071.9	1015.9
-75°	701.7	714.6	727.5	723.2	723.2	723.2	723.2	727.5	718.9	706.0	680.2
-77.5°	538.1	555.3	568.2	576.8	589.8	607.0	619.9	598.4	576.8	555.3	529.5
-80°	421.9	439.1	452.0	499.4	533.8	572.5	598.4	568.2	538.1	512.3	490.7
-82.5°	318.6	331.5	344.4	370.2	387.4	409.0	426.2	426.2	421.9	417.6	404.7
-85°	232.5	249.7	266.9	275.5	288.4	288.4	292.7	275.5	258.3	245.4	228.2
-87.5°	133.4	137.8	137.8	137.8	142.1	142.1	142.1	133.4	129.1	120.5	116.2
-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°	4.3	4.3	4.3	8.6	8.6	12.9	12.9	17.2	17.2	21.5	21.5
85°	25.8	25.8	25.8	30.1	30.1	34.4	38.7	43.0	47.4	47.4	51.7
82.5°	43.0	47.4	51.7	56.0	60.3	64.6	68.9	73.2	86.1	94.7	99.0
80°	43.0	47.4	60.3	68.9	77.5	86.1	86.1	86.1	86.1	90.4	99.0
77.5°	30.1	34.4	38.7	47.4	68.9	86.1	99.0	107.6	99.0	94.7	86.1
75°	17.2	21.5	25.8	30.1	43.0	60.3	81.8	103.3	120.5	116.2	107.6
72.5°	17.2	17.2	21.5	25.8	30.1	34.4	38.7	60.3	86.1	107.6	120.5
70°	17.2	21.5	21.5	25.8	30.1	34.4	38.7	47.4	60.3	86.1	111.9
67.5°	17.2	21.5	21.5	30.1	38.7	43.0	47.4	43.0	38.7	56.0	81.8
65°	17.2	17.2	21.5	25.8	30.1	34.4	47.4	47.4	43.0	43.0	43.0
62.5°	25.8	25.8	25.8	25.8	30.1	30.1	30.1	38.7	38.7	38.7	38.7
60°	51.7	47.4	47.4	47.4	47.4	38.7	38.7	38.7	34.4	38.7	34.4
57.5°	124.8	103.3	94.7	94.7	81.8	77.5	64.6	47.4	47.4	38.7	38.7
55°	254.0	241.1	202.3	167.9	150.7	133.4	103.3	86.1	64.6	51.7	47.4
52.5°	391.7	357.3	322.9	279.8	236.8	202.3	172.2	133.4	107.6	77.5	60.3
50°	512.3	482.1	443.4	396.0	340.1	297.0	254.0	202.3	159.3	120.5	86.1
47.5°	697.4	637.1	589.8	533.8	469.2	409.0	353.0	292.7	223.8	176.5	133.4
45°	895.4	809.3	744.7	693.1	607.0	525.2	460.6	396.0	314.3	232.5	180.8
42.5°	1033.2	968.6	882.5	813.6	736.1	650.0	563.9	495.1	409.0	314.3	232.5
40°	1106.3	1063.3	994.4	934.1	852.3	757.6	667.2	598.4	508.0	404.7	292.7
37.5°	1162.3	1140.8	1106.3	1059.0	981.5	869.6	779.2	697.4	619.9	499.4	378.8
35°	1226.9	1222.6	1201.0	1179.5	1114.9	1007.3	899.7	805.0	710.3	598.4	464.9
32.5°	1287.1	1282.8	1269.9	1261.3	1235.5	1140.8	1024.5	916.9	809.3	693.1	546.7
30°	1317.3	1308.7	1308.7	1317.3	1291.4	1231.2	1145.1	1028.8	908.3	770.6	632.8
27.5°	1317.3	1308.7	1313.0	1325.9	1321.6	1291.4	1226.9	1132.2	998.7	843.7	710.3
25°	1261.3	1304.4	1304.4	1321.6	1325.9	1317.3	1282.8	1222.6	1084.8	921.2	770.6
22.5°	1183.8	1287.1	1325.9	1321.6	1325.9	1347.4	1351.7	1295.7	1166.6	998.7	830.8
20°	1183.8	1257.0	1368.9	1338.8	1347.4	1394.8	1416.3	1368.9	1252.7	1071.9	891.1
17.5°	1209.6	1257.0	1351.7	1399.1	1412.0	1450.7	1485.2	1455.0	1330.2	1149.4	972.9
15°	1282.8	1274.2	1338.8	1455.0	1476.5	1506.7	1545.4	1511.0	1399.1	1235.5	1050.4
12.5°	1334.5	1287.1	1338.8	1463.6	1532.5	1562.6	1575.6	1549.7	1459.3	1313.0	1127.9
10°	1403.4	1321.6	1347.4	1455.0	1554.0	1575.6	1588.5	1579.9	1515.3	1377.5	1196.7
7.5°	1455.0	1338.8	1338.8	1442.1	1575.6	1592.8	1601.4	1610.0	1562.6	1433.5	1257.0
5°	1476.5	1338.8	1330.2	1429.2	1597.1	1614.3	1614.3	1627.2	1597.1	1476.5	1300.0
2.5°	1480.8	1334.5	1321.6	1420.6	1635.8	1635.8	1627.2	1640.1	1622.9	1502.4	1330.2
0°	1502.4	1330.2	1317.3	1433.5	1678.9	1661.7	1640.1	1644.4	1635.8	1515.3	1347.4
-2.5°	1502.4	1351.7	1334.5	1442.1	1674.6	1670.3	1661.7	1666.0	1657.3	1554.0	1381.8
-5°	1523.9	1381.8	1364.6	1480.8	1670.3	1683.2	1687.5	1687.5	1674.6	1579.9	1403.4
-7.5°	1528.2	1403.4	1399.1	1519.6	1678.9	1700.4	1713.3	1721.9	1696.1	1597.1	1420.6
-10°	1506.7	1412.0	1433.5	1566.9	1687.5	1717.6	1743.4	1756.4	1713.3	1605.7	1429.2
-12.5°	1459.3	1412.0	1467.9	1627.2	1709.0	1743.4	1782.2	1786.5	1730.5	1610.0	1433.5
-15°	1455.0	1446.4	1528.2	1687.5	1721.9	1765.0	1825.2	1812.3	1743.4	1610.0	1433.5
-17.5°	1450.7	1493.8	1618.6	1709.0	1743.4	1790.8	1838.1	1825.2	1752.1	1610.0	1424.9
-20°	1489.5	1571.3	1726.2	1730.5	1769.3	1820.9	1846.8	1820.9	1739.1	1597.1	1412.0



REPORT NUMBER: P723858

CATALOG NUMBER: IFLD-L-SA7C-830-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°	1554.0	1709.0	1760.7	1777.9	1812.3	1851.1	1864.0	1825.2	1726.2	1575.6	1390.4
-25°	1717.6	1795.1	1795.1	1833.8	1868.3	1885.5	1872.6	1829.5	1709.0	1554.0	1368.9
-27.5°	1842.5	1838.1	1859.7	1898.4	1928.5	1928.5	1894.1	1808.0	1683.2	1532.5	1338.8
-30°	1889.8	1894.1	1924.2	1967.3	1975.9	1954.4	1902.7	1790.8	1661.7	1498.1	1300.0
-32.5°	1937.2	1954.4	1993.1	2014.6	2018.9	1975.9	1881.2	1760.7	1627.2	1459.3	1257.0
-35°	1993.1	2027.6	2049.1	2053.4	2031.9	1958.7	1851.1	1721.9	1575.6	1403.4	1218.3
-37.5°	2066.3	2083.5	2096.4	2079.2	2018.9	1932.9	1799.4	1670.3	1528.2	1343.1	1162.3
-40°	2113.7	2122.3	2126.6	2070.6	1997.4	1872.6	1743.4	1610.0	1446.4	1274.2	1102.0
-42.5°	2143.8	2135.2	2100.7	2040.5	1932.9	1812.3	1687.5	1536.8	1373.2	1205.3	1037.5
-45°	2135.2	2105.0	2053.4	1980.2	1868.3	1747.7	1601.4	1450.7	1295.7	1132.2	964.3
-47.5°	2100.7	2053.4	1988.8	1902.7	1799.4	1653.0	1506.7	1360.3	1209.6	1050.4	895.4
-50°	2057.7	2001.7	1924.2	1816.6	1678.9	1545.4	1412.0	1269.9	1114.9	968.6	830.8
-52.5°	2010.3	1950.1	1851.1	1730.5	1579.9	1442.1	1313.0	1175.2	1033.2	895.4	774.9
-55°	1958.7	1898.4	1786.5	1648.7	1498.1	1347.4	1222.6	1106.3	968.6	835.1	727.5
-57.5°	1932.9	1855.4	1739.1	1601.4	1442.1	1287.1	1179.5	1054.7	929.8	792.1	688.8
-60°	1911.3	1833.8	1726.2	1566.9	1416.3	1269.9	1145.1	1024.5	891.1	761.9	658.6
-62.5°	1851.1	1769.3	1670.3	1515.3	1368.9	1235.5	1123.6	981.5	852.3	731.8	637.1
-65°	1730.5	1644.4	1558.3	1420.6	1287.1	1162.3	1050.4	921.2	800.7	697.4	615.6
-67.5°	1541.1	1467.9	1390.4	1274.2	1162.3	1050.4	947.1	835.1	736.1	662.9	619.9
-70°	1330.2	1252.7	1175.2	1080.5	985.8	895.4	813.6	731.8	667.2	628.5	594.1
-72.5°	968.6	934.1	895.4	822.2	744.7	688.8	650.0	615.6	568.2	533.8	512.3
-75°	645.7	598.4	538.1	512.3	516.6	508.0	486.4	460.6	439.1	426.2	396.0
-77.5°	503.7	477.8	447.7	417.6	404.7	391.7	374.5	353.0	335.8	305.6	262.6
-80°	464.9	443.4	421.9	400.3	378.8	348.7	314.3	279.8	262.6	249.7	245.4
-82.5°	383.1	357.3	331.5	309.9	279.8	258.3	236.8	219.5	219.5	215.2	210.9
-85°	219.5	210.9	198.0	189.4	180.8	167.9	155.0	146.4	142.1	137.8	133.4
-87.5°	111.9	107.6	99.0	94.7	90.4	86.1	77.5	73.2	68.9	68.9	64.6
-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-SA7C-830-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°	21.5	21.5	17.2	17.2	17.2	12.9	8.6	8.6	4.3	4.3	0.0
85°	51.7	43.0	38.7	34.4	34.4	25.8	17.2	12.9	8.6	4.3	4.3
82.5°	99.0	86.1	73.2	64.6	51.7	38.7	30.1	21.5	12.9	8.6	4.3
80°	111.9	111.9	107.6	90.4	73.2	56.0	38.7	25.8	17.2	12.9	8.6
77.5°	86.1	94.7	94.7	94.7	90.4	68.9	47.4	30.1	17.2	12.9	8.6
75°	99.0	86.1	81.8	86.1	81.8	68.9	56.0	34.4	21.5	17.2	8.6
72.5°	120.5	103.3	90.4	86.1	77.5	64.6	51.7	38.7	21.5	17.2	12.9
70°	111.9	107.6	99.0	90.4	77.5	64.6	51.7	38.7	25.8	17.2	12.9
67.5°	99.0	99.0	99.0	90.4	77.5	60.3	47.4	34.4	25.8	17.2	12.9
65°	68.9	81.8	90.4	86.1	77.5	60.3	47.4	34.4	25.8	21.5	12.9
62.5°	43.0	56.0	73.2	81.8	73.2	60.3	43.0	34.4	25.8	21.5	12.9
60°	38.7	43.0	51.7	64.6	68.9	56.0	43.0	30.1	25.8	21.5	12.9
57.5°	38.7	38.7	43.0	51.7	56.0	51.7	38.7	25.8	25.8	21.5	17.2
55°	43.0	38.7	38.7	43.0	47.4	47.4	38.7	25.8	25.8	21.5	17.2
52.5°	51.7	43.0	38.7	38.7	38.7	43.0	34.4	25.8	25.8	21.5	17.2
50°	64.6	51.7	47.4	38.7	38.7	38.7	34.4	25.8	21.5	21.5	17.2
47.5°	86.1	68.9	51.7	47.4	38.7	34.4	30.1	25.8	21.5	21.5	17.2
45°	129.1	81.8	68.9	51.7	43.0	38.7	34.4	25.8	21.5	21.5	17.2
42.5°	176.5	120.5	86.1	60.3	47.4	38.7	34.4	30.1	21.5	21.5	17.2
40°	223.8	163.6	107.6	77.5	56.0	43.0	34.4	30.1	25.8	21.5	17.2
37.5°	275.5	202.3	142.1	99.0	64.6	47.4	38.7	30.1	25.8	21.5	17.2
35°	340.1	254.0	176.5	120.5	77.5	56.0	43.0	30.1	25.8	21.5	17.2
32.5°	413.3	301.3	210.9	146.4	99.0	68.9	47.4	34.4	25.8	21.5	17.2
30°	482.1	357.3	249.7	176.5	120.5	77.5	51.7	34.4	25.8	21.5	12.9
27.5°	551.0	413.3	297.0	206.6	146.4	90.4	56.0	38.7	25.8	21.5	17.2
25°	619.9	469.2	344.4	236.8	167.9	107.6	68.9	43.0	25.8	21.5	17.2
22.5°	680.2	525.2	387.4	271.2	193.7	124.8	77.5	47.4	30.1	21.5	17.2
20°	749.0	585.5	434.8	309.9	215.2	142.1	86.1	51.7	30.1	21.5	17.2
17.5°	813.6	645.7	482.1	344.4	241.1	159.3	99.0	56.0	34.4	21.5	17.2
15°	878.2	701.7	525.2	378.8	266.9	176.5	107.6	60.3	38.7	21.5	17.2
12.5°	938.4	753.3	563.9	409.0	288.4	193.7	116.2	64.6	43.0	21.5	17.2
10°	994.4	800.7	602.7	434.8	309.9	206.6	124.8	73.2	47.4	21.5	17.2
7.5°	1050.4	839.4	632.8	460.6	335.8	223.8	133.4	77.5	51.7	25.8	17.2
5°	1084.8	873.9	658.6	482.1	357.3	241.1	142.1	81.8	56.0	25.8	17.2
2.5°	1114.9	899.7	675.9	503.7	378.8	254.0	142.1	86.1	60.3	25.8	17.2
0°	1132.2	916.9	688.8	516.6	396.0	262.6	146.4	90.4	64.6	25.8	17.2
-2.5°	1170.9	947.1	718.9	533.8	413.3	288.4	155.0	94.7	68.9	30.1	17.2
-5°	1196.7	964.3	740.4	551.0	426.2	314.3	167.9	103.3	77.5	38.7	21.5
-7.5°	1218.3	981.5	757.6	559.6	439.1	322.9	172.2	107.6	81.8	43.0	21.5
-10°	1222.6	990.1	770.6	572.5	447.7	335.8	176.5	111.9	86.1	47.4	21.5
-12.5°	1226.9	998.7	774.9	581.1	456.3	344.4	180.8	116.2	90.4	51.7	21.5
-15°	1222.6	994.4	774.9	589.8	460.6	335.8	189.4	120.5	94.7	56.0	21.5
-17.5°	1214.0	990.1	770.6	585.5	456.3	327.2	193.7	129.1	94.7	60.3	25.8
-20°	1201.0	977.2	761.9	581.1	452.0	318.6	198.0	133.4	99.0	60.3	25.8

REPORT NUMBER: P723858

CATALOG NUMBER: IFLD-L-SA7C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1179.5	955.7	744.7	568.2	443.4	309.9	198.0	142.1	103.3	60.3	25.8
-25°	1153.7	934.1	727.5	551.0	430.5	297.0	198.0	146.4	107.6	60.3	25.8
-27.5°	1123.6	912.6	701.7	538.1	413.3	288.4	198.0	150.7	111.9	60.3	25.8
-30°	1089.1	882.5	680.2	516.6	400.3	288.4	202.3	155.0	116.2	60.3	25.8
-32.5°	1054.7	852.3	654.3	499.4	383.1	284.1	202.3	159.3	120.5	56.0	30.1
-35°	1015.9	817.9	632.8	486.4	370.2	275.5	206.6	159.3	116.2	56.0	30.1
-37.5°	968.6	774.9	611.3	473.5	361.6	266.9	206.6	163.6	111.9	56.0	30.1
-40°	916.9	740.4	585.5	456.3	348.7	262.6	206.6	163.6	107.6	56.0	34.4
-42.5°	861.0	701.7	559.6	439.1	335.8	258.3	206.6	163.6	103.3	56.0	34.4
-45°	809.3	662.9	529.5	417.6	322.9	258.3	206.6	159.3	94.7	60.3	34.4
-47.5°	753.3	619.9	495.1	396.0	318.6	254.0	202.3	150.7	86.1	60.3	34.4
-50°	706.0	576.8	469.2	374.5	309.9	258.3	206.6	137.8	86.1	60.3	34.4
-52.5°	658.6	546.7	439.1	365.9	301.3	262.6	202.3	129.1	86.1	60.3	34.4
-55°	619.9	516.6	421.9	353.0	309.9	271.2	193.7	116.2	86.1	60.3	34.4
-57.5°	589.8	499.4	409.0	357.3	322.9	262.6	180.8	111.9	86.1	56.0	34.4
-60°	568.2	482.1	413.3	374.5	327.2	249.7	172.2	111.9	86.1	56.0	30.1
-62.5°	551.0	486.4	434.8	387.4	309.9	232.5	163.6	111.9	77.5	51.7	30.1
-65°	555.3	503.7	443.4	370.2	297.0	215.2	150.7	107.6	73.2	47.4	30.1
-67.5°	568.2	490.7	417.6	348.7	266.9	193.7	137.8	99.0	68.9	47.4	30.1
-70°	525.2	452.0	378.8	297.0	228.2	167.9	129.1	90.4	60.3	43.0	30.1
-72.5°	473.5	378.8	301.3	241.1	193.7	155.0	116.2	81.8	56.0	38.7	25.8
-75°	344.4	275.5	223.8	202.3	172.2	137.8	103.3	73.2	51.7	38.7	25.8
-77.5°	245.4	228.2	206.6	185.1	155.0	120.5	90.4	68.9	47.4	34.4	21.5
-80°	241.1	219.5	193.7	159.3	129.1	103.3	77.5	60.3	43.0	30.1	17.2
-82.5°	202.3	172.2	146.4	120.5	99.0	81.8	64.6	47.4	34.4	21.5	12.9
-85°	124.8	107.6	94.7	81.8	68.9	56.0	43.0	30.1	21.5	12.9	8.6
-87.5°	60.3	56.0	47.4	38.7	34.4	25.8	21.5	17.2	12.9	8.6	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P723858

CATALOG NUMBER: IFLD-L-SA7C-830-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°	4.3	0.0	0.0	0.0
80°	4.3	0.0	0.0	0.0
77.5°	4.3	0.0	0.0	0.0
75°	4.3	4.3	0.0	0.0
72.5°	4.3	4.3	0.0	0.0
70°	8.6	4.3	4.3	0.0
67.5°	8.6	4.3	4.3	0.0
65°	8.6	4.3	4.3	0.0
62.5°	8.6	4.3	4.3	0.0
60°	8.6	4.3	4.3	0.0
57.5°	8.6	4.3	4.3	0.0
55°	8.6	4.3	4.3	0.0
52.5°	8.6	4.3	4.3	0.0
50°	8.6	4.3	4.3	0.0
47.5°	8.6	8.6	4.3	0.0
45°	8.6	8.6	4.3	0.0
42.5°	8.6	8.6	4.3	0.0
40°	8.6	8.6	4.3	0.0
37.5°	8.6	8.6	4.3	0.0
35°	8.6	8.6	4.3	0.0
32.5°	12.9	8.6	4.3	0.0
30°	12.9	8.6	8.6	0.0
27.5°	12.9	8.6	8.6	0.0
25°	12.9	8.6	8.6	0.0
22.5°	12.9	8.6	8.6	0.0
20°	12.9	8.6	8.6	0.0
17.5°	12.9	8.6	8.6	0.0
15°	12.9	8.6	8.6	0.0
12.5°	12.9	8.6	8.6	0.0
10°	12.9	8.6	8.6	0.0
7.5°	12.9	8.6	8.6	0.0
5°	12.9	8.6	8.6	0.0
2.5°	12.9	8.6	8.6	0.0
0°	12.9	8.6	8.6	0.0
-2.5°	12.9	8.6	8.6	0.0
-5°	12.9	8.6	8.6	0.0
-7.5°	12.9	8.6	8.6	0.0
-10°	12.9	8.6	8.6	0.0
-12.5°	17.2	8.6	8.6	0.0
-15°	17.2	8.6	8.6	0.0
-17.5°	17.2	8.6	8.6	0.0
-20°	17.2	8.6	8.6	0.0

REPORT NUMBER: P723858

CATALOG NUMBER: IFLD-L-SA7C-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	17.2	8.6	8.6	0.0
-25°	17.2	8.6	8.6	0.0
-27.5°	17.2	8.6	8.6	0.0
-30°	17.2	8.6	8.6	0.0
-32.5°	17.2	8.6	8.6	0.0
-35°	17.2	8.6	8.6	0.0
-37.5°	17.2	8.6	8.6	0.0
-40°	17.2	8.6	8.6	0.0
-42.5°	12.9	8.6	4.3	0.0
-45°	17.2	8.6	4.3	0.0
-47.5°	17.2	8.6	4.3	0.0
-50°	17.2	8.6	4.3	0.0
-52.5°	17.2	8.6	4.3	0.0
-55°	17.2	8.6	4.3	0.0
-57.5°	17.2	8.6	4.3	0.0
-60°	17.2	8.6	4.3	0.0
-62.5°	17.2	8.6	4.3	0.0
-65°	17.2	8.6	4.3	0.0
-67.5°	17.2	8.6	4.3	0.0
-70°	17.2	4.3	4.3	0.0
-72.5°	12.9	4.3	4.3	0.0
-75°	12.9	4.3	4.3	0.0
-77.5°	8.6	4.3	0.0	0.0
-80°	8.6	4.3	0.0	0.0
-82.5°	8.6	4.3	0.0	0.0
-85°	4.3	0.0	0.0	0.0
-87.5°	4.3	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)