

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: P723859

Luminaire Tested: **IFLD-L-SA7D-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723859
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-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:	20519 lumens	Max Intensity:	482740.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.6 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:	7441 lumens	Field Lumens:	11862.5 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

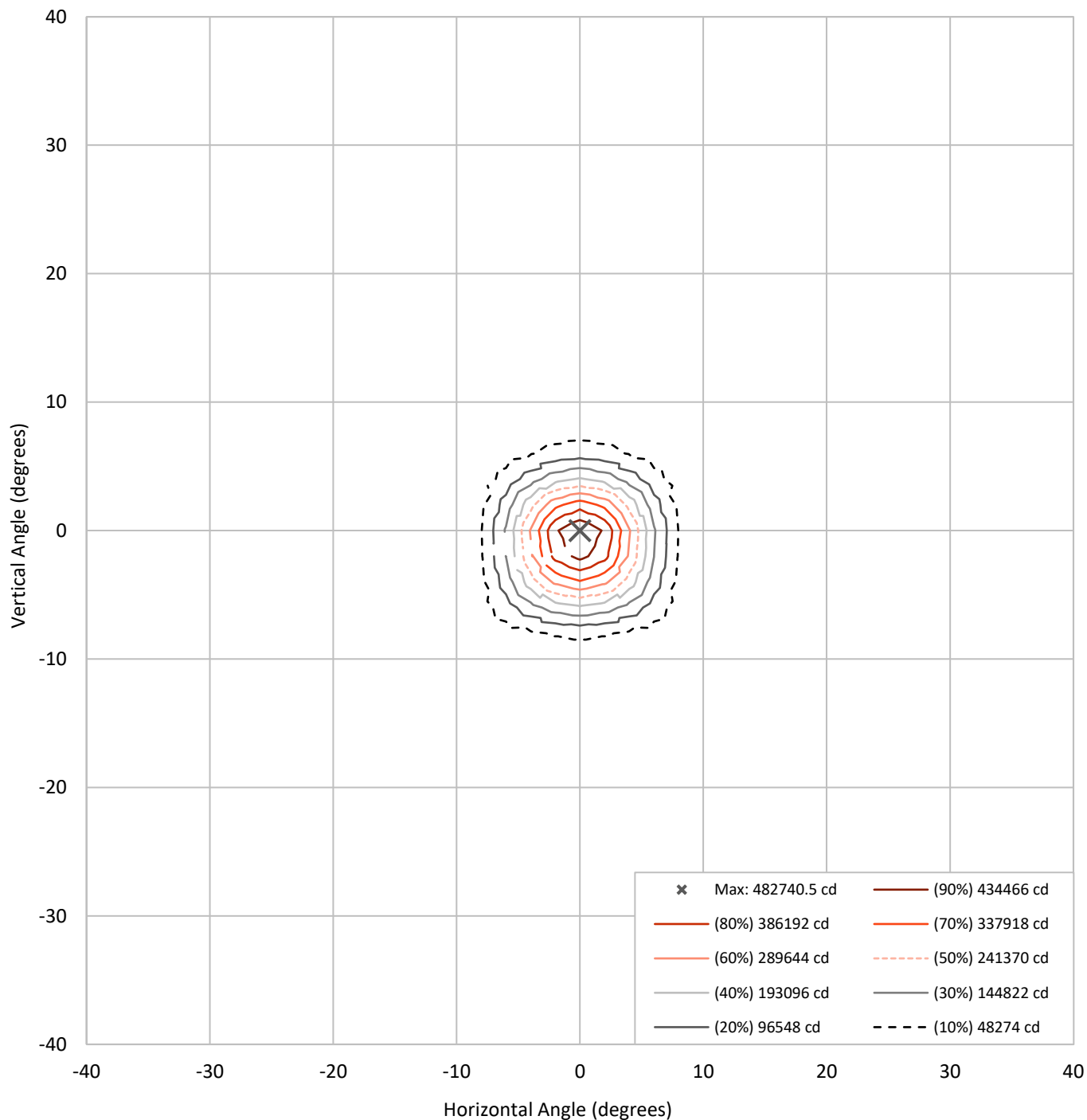
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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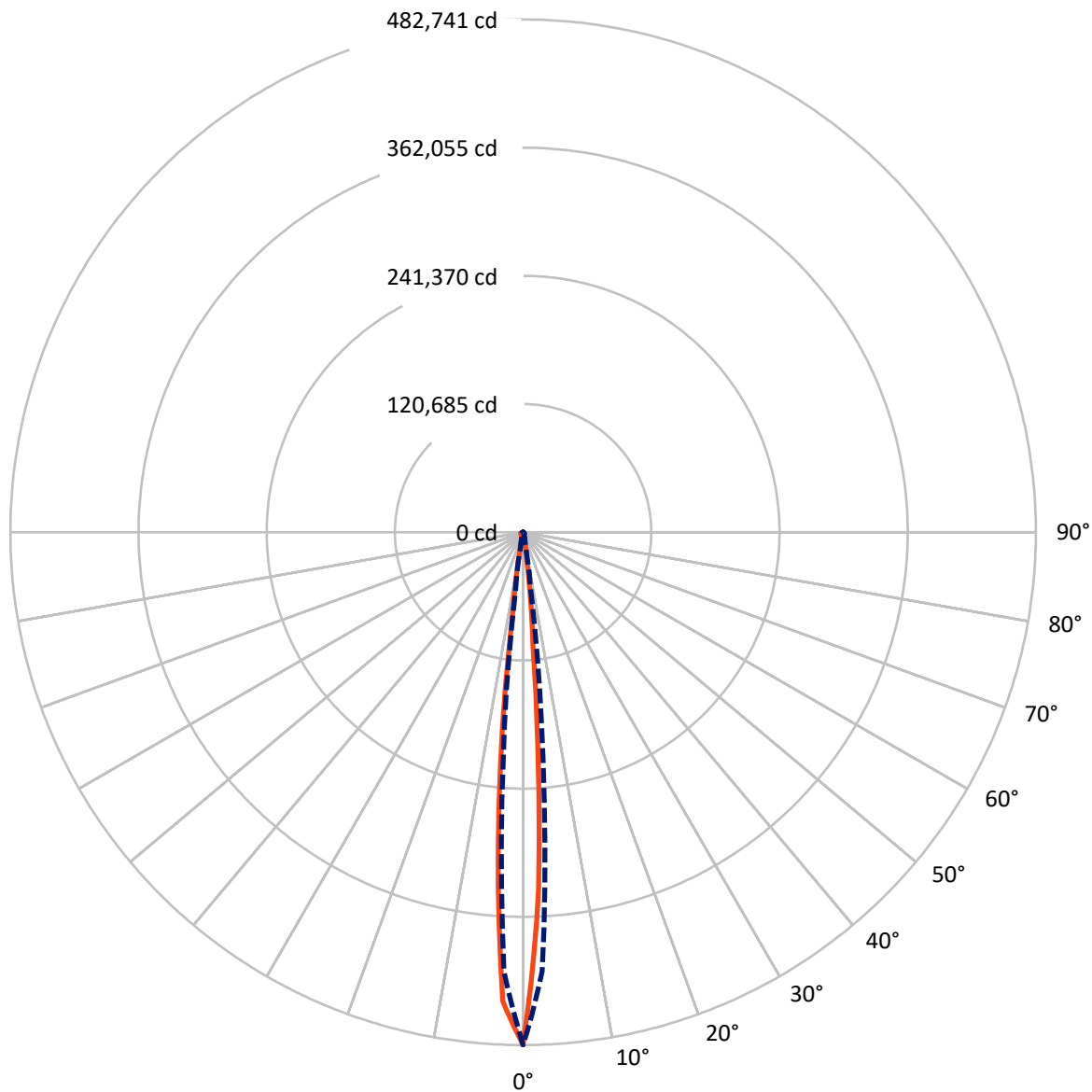
Lumen Table

Vertical Angle (degrees)	90																			
	80	0.3	4.6		5.0		1.9		0.5		1.9		5.0		4.6		0.3			
	70																			
	60	0.5	1.0	1.3	1.0	0.8	0.6	0.5	0.3	0.3	0.5	0.6	0.8	1.0	1.3	1.0	0.5			
	50		0.6	0.9	2.4	5.3	8.6	11.1	12.7	12.7	11.1	8.6	5.3	2.4	0.9	0.6				
	40	0.5	0.7	2.8	9.3	18.4	26.9	32.4	35.9	35.9	32.4	26.9	18.4	9.3	2.8	0.7	0.5			
	30		1.4	7.1	19.2	31.2	36.6	39.6	41.0	41.0	39.6	36.6	31.2	19.2	7.1	1.4				
	20	0.8	2.7	12.2	27.9	36.2	37.2	43.9	52.9	52.9	43.9	37.2	36.2	27.9	12.2	2.7	0.8			
	10		4.2	17.1	34.3	38.6	43.5	76.4	130.2	130.2	76.4	43.5	38.6	34.3	17.1	4.2				
	0	1.4	5.4	20.9	37.7	40.0	53.7	145.3	2693.6	2693.6	145.3	53.7	40.0	37.7	20.9	5.4	1.4			
-10	6.3		22.9	39.6	41.4	55.5	156.6	3927.6	3927.6	156.6	55.5	41.4	39.6	22.9	6.3					
-20	2.0	6.8	23.5	41.7	44.9	50.1	91.0	174.7	174.7	91.0	50.1	44.9	41.7	23.5	6.8	2.0				
-30		6.4	22.3	42.2	50.3	50.4	58.9	71.9	71.9	58.9	50.4	50.3	42.2	22.3	6.4					
-40	2.2	5.7	19.7	40.4	55.4	60.4	62.8	63.4	63.4	62.8	60.4	55.4	40.4	19.7	5.7	2.2				
-50		5.0	15.9	34.3	53.4	64.9	72.8	76.3	76.3	72.8	64.9	53.4	34.3	15.9	5.0					
-60	1.7	4.5	12.3	26.6	45.6	61.2	71.1	75.2	75.2	71.1	61.2	45.6	26.6	12.3	4.5	1.7				
-70		4.2	10.8	21.7	38.0	53.5	64.7	69.9	69.9	64.7	53.5	38.0	21.7	10.8	4.2					
-80	0.8	12.7		37.8		70.0		77.3		70.0		37.8		12.7		0.8				
-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



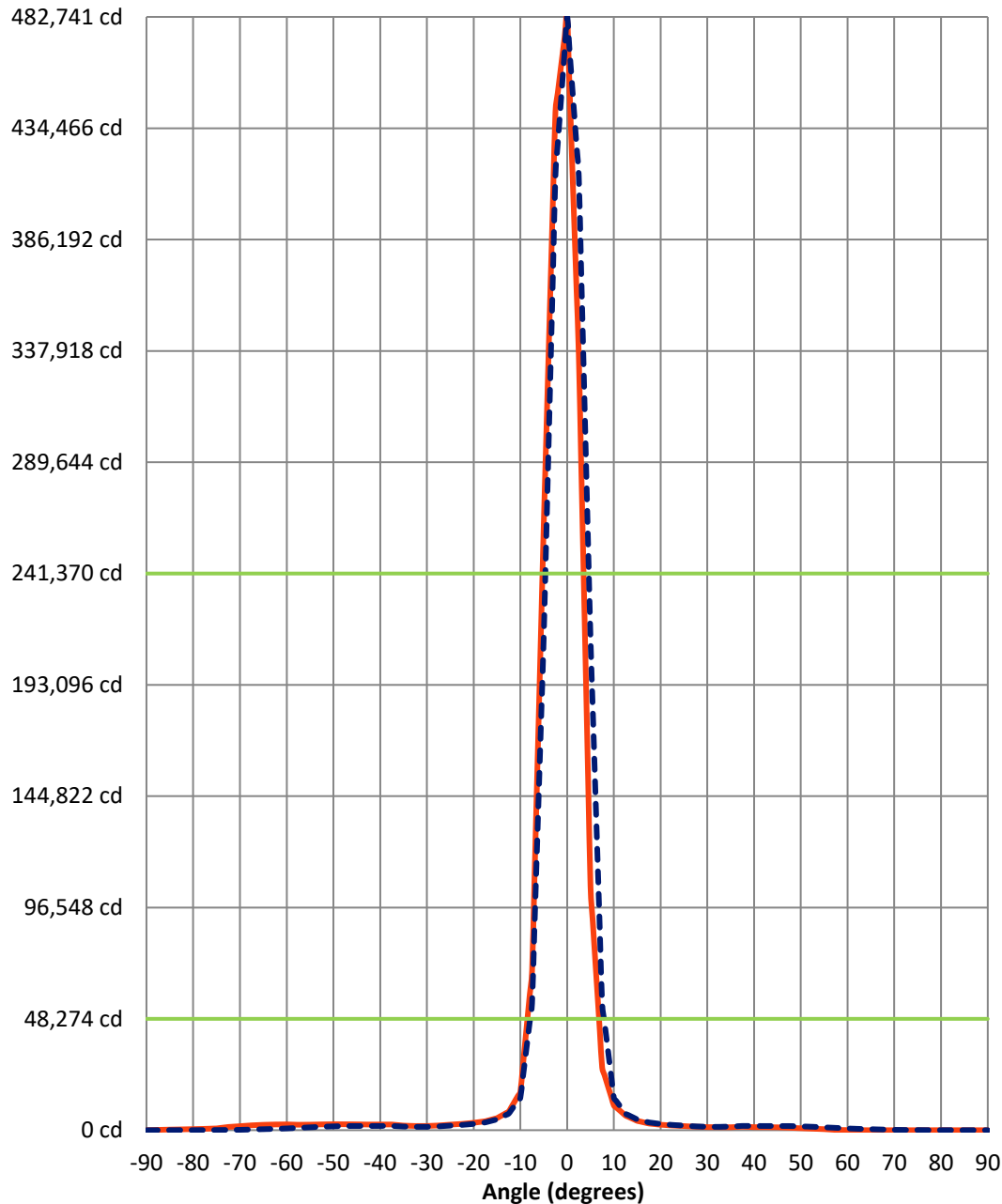
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
H Angle: 9.3°
V Angle: 8.8°
Lumens: 7441
Efficiency: 36.3%

Field:
H Angle: 15.8°
V Angle: 15.3°
Lumens: 11862.5
Efficiency: 57.8%

Spill:
Lumens: 8656.5
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	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	0.0	4.7	4.7	9.5	9.5	9.5	14.2	18.9	23.7	23.7	28.4
82.5°	0.0	4.7	4.7	9.5	9.5	14.2	14.2	23.7	28.4	33.2	42.6
80°	4.7	4.7	4.7	9.5	9.5	14.2	14.2	18.9	23.7	33.2	37.9
77.5°	0.0	4.7	4.7	4.7	9.5	9.5	9.5	14.2	18.9	23.7	28.4
75°	0.0	4.7	4.7	4.7	9.5	9.5	9.5	9.5	14.2	14.2	18.9
72.5°	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5	14.2	14.2	14.2
70°	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5	14.2	14.2	14.2
67.5°	0.0	0.0	0.0	4.7	4.7	9.5	9.5	9.5	14.2	14.2	14.2
65°	0.0	0.0	0.0	4.7	4.7	9.5	9.5	14.2	14.2	14.2	14.2
62.5°	4.7	4.7	4.7	9.5	14.2	14.2	18.9	23.7	23.7	23.7	23.7
60°	47.4	52.1	56.8	56.8	52.1	52.1	56.8	56.8	56.8	56.8	56.8
57.5°	127.9	137.4	142.1	142.1	142.1	137.4	156.3	161.0	142.1	132.6	146.8
55°	445.3	459.5	450.0	435.8	407.4	374.2	364.7	360.0	364.7	341.0	303.2
52.5°	648.9	663.1	658.4	648.9	630.0	606.3	587.4	568.4	549.5	511.6	468.9
50°	843.1	847.9	843.1	833.7	814.7	791.0	753.1	710.5	672.6	663.1	625.3
47.5°	1061.0	1075.2	1075.2	1070.5	1056.3	1013.7	956.8	895.2	866.8	857.4	819.5
45°	1255.2	1264.7	1269.4	1274.2	1269.4	1226.8	1174.7	1141.6	1080.0	1061.0	1061.0
42.5°	1307.3	1312.1	1316.8	1321.6	1335.8	1302.6	1260.0	1203.1	1188.9	1184.2	1174.7
40°	1326.3	1316.8	1321.6	1326.3	1331.0	1307.3	1274.2	1241.0	1231.6	1222.1	1222.1
37.5°	1506.3	1463.7	1430.5	1402.1	1378.4	1354.7	1321.6	1293.1	1269.4	1250.5	1269.4
35°	1283.7	1283.7	1316.8	1345.2	1373.7	1402.1	1406.8	1373.7	1321.6	1297.9	1331.0
32.5°	1312.1	1312.1	1312.1	1321.6	1331.0	1354.7	1378.4	1392.6	1430.5	1387.9	1387.9
30°	1340.5	1345.2	1354.7	1359.4	1345.2	1335.8	1326.3	1326.3	1350.0	1411.5	1444.7
27.5°	1506.3	1506.3	1492.1	1473.1	1430.5	1364.2	1331.0	1283.7	1288.4	1316.8	1397.3
25°	1776.3	1766.8	1733.6	1686.3	1610.5	1515.8	1425.8	1326.3	1283.7	1269.4	1302.6
22.5°	2032.1	2017.9	1975.2	1932.6	1871.0	1776.3	1624.7	1473.1	1340.5	1283.7	1269.4
20°	2358.9	2325.7	2278.4	2212.1	2112.6	2017.9	1885.2	1686.3	1492.1	1345.2	1288.4
17.5°	2884.7	2842.0	2752.0	2633.6	2463.1	2316.3	2126.8	1937.3	1719.4	1482.6	1354.7
15°	4035.7	3926.8	3770.4	3443.6	3107.3	2827.8	2543.6	2226.3	2003.6	1691.0	1496.8
12.5°	6347.2	6048.8	5594.1	4831.5	4078.3	3429.4	2969.9	2562.6	2202.6	1913.6	1638.9
10°	10742.9	10103.5	8848.2	6764.1	5376.2	4182.5	3358.4	2813.6	2358.9	2060.5	1757.3
7.5°	27170.0	22163.2	15683.4	10709.8	7034.1	5110.9	3841.5	3050.5	2524.7	2155.2	1852.1
5°	105894.6	87231.9	46533.8	19420.7	10581.9	6181.5	4277.3	3239.9	2633.6	2226.3	1923.1
2.5°	336076.7	290225.0	152267.4	41806.5	12992.9	6963.0	4575.7	3358.4	2695.2	2278.4	1975.2
0°	482740.5	413726.2	213698.2	54984.1	14091.8	7162.0	4670.4	3382.0	2704.7	2287.8	1975.2
-2.5°	441625.6	386508.8	206432.0	51166.3	14399.7	7218.8	4746.2	3462.6	2775.7	2330.5	1989.4
-5°	262410.9	230172.6	144001.8	36482.4	12793.9	6702.5	4547.3	3391.5	2728.4	2306.8	1980.0
-7.5°	69137.5	59853.5	39371.8	19037.0	8279.8	5669.9	4177.8	3273.1	2666.8	2264.2	1942.1
-10°	16668.6	15797.0	14110.8	8649.3	6446.7	4736.7	3704.1	3059.9	2543.6	2207.3	1880.5
-12.5°	8038.3	7848.8	7124.1	5873.6	4784.1	3936.2	3353.6	2837.3	2429.9	2107.9	1795.2
-15°	5229.4	5120.4	4874.1	4395.7	3841.5	3434.1	3026.8	2609.9	2287.8	1961.0	1724.2
-17.5°	3869.9	3865.2	3742.0	3562.0	3287.3	2984.1	2685.7	2420.5	2107.9	1828.4	1648.4
-20°	3206.8	3206.8	3135.7	3017.3	2823.1	2624.2	2425.2	2178.9	1923.1	1714.7	1638.9

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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°	2723.6	2728.4	2690.5	2614.7	2510.5	2344.7	2150.5	1951.5	1766.8	1691.0	1667.3
-25°	2411.0	2401.5	2358.9	2287.8	2178.9	2046.3	1918.4	1785.8	1733.6	1714.7	1747.9
-27.5°	2041.5	2055.7	2036.8	2003.6	1932.6	1837.9	1809.4	1771.5	1781.0	1809.4	1937.3
-30°	1823.6	1837.9	1856.8	1871.0	1847.3	1823.6	1833.1	1861.5	1923.1	2032.1	2079.4
-32.5°	1823.6	1828.4	1856.8	1885.2	1899.4	1918.4	1970.5	2065.2	2155.2	2126.8	2117.3
-35°	1989.4	1975.2	2013.1	2051.0	2103.1	2169.4	2226.3	2207.3	2174.2	2164.7	2174.2
-37.5°	2463.1	2373.1	2335.2	2311.5	2297.3	2287.8	2273.6	2259.4	2245.2	2235.7	2250.0
-40°	2458.4	2434.7	2411.0	2392.1	2377.8	2358.9	2349.4	2344.7	2330.5	2321.0	2311.5
-42.5°	2448.9	2458.4	2458.4	2453.6	2458.4	2453.6	2439.4	2420.5	2396.8	2377.8	2358.9
-45°	2519.9	2524.7	2534.2	2543.6	2557.8	2538.9	2510.5	2477.3	2444.2	2415.7	2392.1
-47.5°	2562.6	2567.3	2576.8	2591.0	2600.5	2581.5	2543.6	2501.0	2448.9	2401.5	2354.2
-50°	2576.8	2591.0	2595.7	2595.7	2591.0	2567.3	2510.5	2448.9	2392.1	2344.7	2302.1
-52.5°	2510.5	2524.7	2529.4	2519.9	2515.2	2491.5	2439.4	2382.6	2321.0	2287.8	2250.0
-55°	2401.5	2420.5	2434.7	2434.7	2434.7	2429.9	2382.6	2330.5	2283.1	2245.2	2207.3
-57.5°	2358.9	2392.1	2420.5	2425.2	2429.9	2434.7	2401.5	2349.4	2292.6	2235.7	2188.4
-60°	2515.2	2543.6	2557.8	2538.9	2524.7	2510.5	2458.4	2396.8	2340.0	2283.1	2193.1
-62.5°	2472.6	2519.9	2543.6	2529.4	2510.5	2486.8	2429.9	2358.9	2292.6	2231.0	2141.0
-65°	2335.2	2377.8	2406.3	2382.6	2354.2	2321.0	2268.9	2202.6	2141.0	2079.4	1998.9
-67.5°	2103.1	2164.7	2212.1	2160.0	2122.1	2079.4	2036.8	1980.0	1918.4	1847.3	1771.5
-70°	1738.4	1785.8	1828.4	1814.2	1804.7	1795.2	1766.8	1710.0	1657.9	1601.0	1534.7
-72.5°	1397.3	1440.0	1477.9	1454.2	1435.2	1406.8	1364.2	1302.6	1241.0	1179.4	1117.9
-75°	772.1	786.3	800.5	795.8	795.8	795.8	795.8	800.5	791.0	776.8	748.4
-77.5°	592.1	611.0	625.3	634.7	648.9	667.9	682.1	658.4	634.7	611.0	582.6
-80°	464.2	483.1	497.4	549.5	587.4	630.0	658.4	625.3	592.1	563.7	540.0
-82.5°	350.5	364.7	378.9	407.4	426.3	450.0	468.9	468.9	464.2	459.5	445.3
-85°	255.8	274.7	293.7	303.2	317.4	317.4	322.1	303.2	284.2	270.0	251.0
-87.5°	146.8	151.6	151.6	151.6	156.3	156.3	156.3	146.8	142.1	132.6	127.9
-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°	4.7	4.7	4.7	9.5	9.5	14.2	14.2	18.9	18.9	23.7	23.7
85°	28.4	28.4	28.4	33.2	33.2	37.9	42.6	47.4	52.1	52.1	56.8
82.5°	47.4	52.1	56.8	61.6	66.3	71.1	75.8	80.5	94.7	104.2	108.9
80°	47.4	52.1	66.3	75.8	85.3	94.7	94.7	94.7	94.7	99.5	108.9
77.5°	33.2	37.9	42.6	52.1	75.8	94.7	108.9	118.4	108.9	104.2	94.7
75°	18.9	23.7	28.4	33.2	47.4	66.3	90.0	113.7	132.6	127.9	118.4
72.5°	18.9	18.9	23.7	28.4	33.2	37.9	42.6	66.3	94.7	118.4	132.6
70°	18.9	23.7	23.7	28.4	33.2	37.9	42.6	52.1	66.3	94.7	123.2
67.5°	18.9	23.7	23.7	33.2	42.6	47.4	52.1	47.4	42.6	61.6	90.0
65°	18.9	18.9	23.7	28.4	33.2	37.9	52.1	52.1	47.4	47.4	47.4
62.5°	28.4	28.4	28.4	28.4	33.2	33.2	33.2	42.6	42.6	42.6	42.6
60°	56.8	52.1	52.1	52.1	52.1	42.6	42.6	42.6	37.9	42.6	37.9
57.5°	137.4	113.7	104.2	104.2	90.0	85.3	71.1	52.1	52.1	42.6	42.6
55°	279.5	265.3	222.6	184.7	165.8	146.8	113.7	94.7	71.1	56.8	52.1
52.5°	431.0	393.1	355.3	307.9	260.5	222.6	189.5	146.8	118.4	85.3	66.3
50°	563.7	530.5	487.9	435.8	374.2	326.8	279.5	222.6	175.3	132.6	94.7
47.5°	767.4	701.0	648.9	587.4	516.3	450.0	388.4	322.1	246.3	194.2	146.8
45°	985.2	890.5	819.5	762.6	667.9	577.9	506.8	435.8	345.8	255.8	198.9
42.5°	1136.8	1065.8	971.0	895.2	810.0	715.2	620.5	544.7	450.0	345.8	255.8
40°	1217.3	1170.0	1094.2	1027.9	937.9	833.7	734.2	658.4	558.9	445.3	322.1
37.5°	1278.9	1255.2	1217.3	1165.2	1080.0	956.8	857.4	767.4	682.1	549.5	416.8
35°	1350.0	1345.2	1321.6	1297.9	1226.8	1108.4	990.0	885.8	781.6	658.4	511.6
32.5°	1416.3	1411.5	1397.3	1387.9	1359.4	1255.2	1127.3	1008.9	890.5	762.6	601.6
30°	1449.4	1440.0	1440.0	1449.4	1421.0	1354.7	1260.0	1132.1	999.5	847.9	696.3
27.5°	1449.4	1440.0	1444.7	1458.9	1454.2	1421.0	1350.0	1245.8	1098.9	928.4	781.6
25°	1387.9	1435.2	1435.2	1454.2	1458.9	1449.4	1411.5	1345.2	1193.7	1013.7	847.9
22.5°	1302.6	1416.3	1458.9	1454.2	1458.9	1482.6	1487.3	1425.8	1283.7	1098.9	914.2
20°	1302.6	1383.1	1506.3	1473.1	1482.6	1534.7	1558.4	1506.3	1378.4	1179.4	980.5
17.5°	1331.0	1383.1	1487.3	1539.4	1553.7	1596.3	1634.2	1601.0	1463.7	1264.7	1070.5
15°	1411.5	1402.1	1473.1	1601.0	1624.7	1657.9	1700.5	1662.6	1539.4	1359.4	1155.8
12.5°	1468.4	1416.3	1473.1	1610.5	1686.3	1719.4	1733.6	1705.2	1605.8	1444.7	1241.0
10°	1544.2	1454.2	1482.6	1601.0	1710.0	1733.6	1747.9	1738.4	1667.3	1515.8	1316.8
7.5°	1601.0	1473.1	1473.1	1586.8	1733.6	1752.6	1762.1	1771.5	1719.4	1577.3	1383.1
5°	1624.7	1473.1	1463.7	1572.6	1757.3	1776.3	1776.3	1790.5	1757.3	1624.7	1430.5
2.5°	1629.4	1468.4	1454.2	1563.1	1800.0	1800.0	1790.5	1804.7	1785.8	1653.1	1463.7
0°	1653.1	1463.7	1449.4	1577.3	1847.3	1828.4	1804.7	1809.4	1800.0	1667.3	1482.6
-2.5°	1653.1	1487.3	1468.4	1586.8	1842.6	1837.9	1828.4	1833.1	1823.6	1710.0	1520.5
-5°	1676.8	1520.5	1501.5	1629.4	1837.9	1852.1	1856.8	1856.8	1842.6	1738.4	1544.2
-7.5°	1681.5	1544.2	1539.4	1672.1	1847.3	1871.0	1885.2	1894.7	1866.3	1757.3	1563.1
-10°	1657.9	1553.7	1577.3	1724.2	1856.8	1890.0	1918.4	1932.6	1885.2	1766.8	1572.6
-12.5°	1605.8	1553.7	1615.2	1790.5	1880.5	1918.4	1961.0	1965.7	1904.2	1771.5	1577.3
-15°	1601.0	1591.5	1681.5	1856.8	1894.7	1942.1	2008.4	1994.2	1918.4	1771.5	1577.3
-17.5°	1596.3	1643.7	1781.0	1880.5	1918.4	1970.5	2022.6	2008.4	1927.9	1771.5	1567.9
-20°	1638.9	1728.9	1899.4	1904.2	1946.8	2003.6	2032.1	2003.6	1913.6	1757.3	1553.7

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CATALOG NUMBER: IFLD-L-SA7D-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°	1710.0	1880.5	1937.3	1956.3	1994.2	2036.8	2051.0	2008.4	1899.4	1733.6	1530.0
-25°	1890.0	1975.2	1975.2	2017.9	2055.7	2074.7	2060.5	2013.1	1880.5	1710.0	1506.3
-27.5°	2027.3	2022.6	2046.3	2088.9	2122.1	2122.1	2084.2	1989.4	1852.1	1686.3	1473.1
-30°	2079.4	2084.2	2117.3	2164.7	2174.2	2150.5	2093.6	1970.5	1828.4	1648.4	1430.5
-32.5°	2131.5	2150.5	2193.1	2216.8	2221.5	2174.2	2070.0	1937.3	1790.5	1605.8	1383.1
-35°	2193.1	2231.0	2254.7	2259.4	2235.7	2155.2	2036.8	1894.7	1733.6	1544.2	1340.5
-37.5°	2273.6	2292.6	2306.8	2287.8	2221.5	2126.8	1980.0	1837.9	1681.5	1477.9	1278.9
-40°	2325.7	2335.2	2340.0	2278.4	2197.8	2060.5	1918.4	1771.5	1591.5	1402.1	1212.6
-42.5°	2358.9	2349.4	2311.5	2245.2	2126.8	1994.2	1856.8	1691.0	1511.0	1326.3	1141.6
-45°	2349.4	2316.3	2259.4	2178.9	2055.7	1923.1	1762.1	1596.3	1425.8	1245.8	1061.0
-47.5°	2311.5	2259.4	2188.4	2093.6	1980.0	1818.9	1657.9	1496.8	1331.0	1155.8	985.2
-50°	2264.2	2202.6	2117.3	1998.9	1847.3	1700.5	1553.7	1397.3	1226.8	1065.8	914.2
-52.5°	2212.1	2145.7	2036.8	1904.2	1738.4	1586.8	1444.7	1293.1	1136.8	985.2	852.6
-55°	2155.2	2088.9	1965.7	1814.2	1648.4	1482.6	1345.2	1217.3	1065.8	918.9	800.5
-57.5°	2126.8	2041.5	1913.6	1762.1	1586.8	1416.3	1297.9	1160.5	1023.1	871.6	757.9
-60°	2103.1	2017.9	1899.4	1724.2	1558.4	1397.3	1260.0	1127.3	980.5	838.4	724.7
-62.5°	2036.8	1946.8	1837.9	1667.3	1506.3	1359.4	1236.3	1080.0	937.9	805.2	701.0
-65°	1904.2	1809.4	1714.7	1563.1	1416.3	1278.9	1155.8	1013.7	881.0	767.4	677.4
-67.5°	1695.8	1615.2	1530.0	1402.1	1278.9	1155.8	1042.1	918.9	810.0	729.5	682.1
-70°	1463.7	1378.4	1293.1	1188.9	1084.7	985.2	895.2	805.2	734.2	691.6	653.7
-72.5°	1065.8	1027.9	985.2	904.7	819.5	757.9	715.2	677.4	625.3	587.4	563.7
-75°	710.5	658.4	592.1	563.7	568.4	558.9	535.3	506.8	483.1	468.9	435.8
-77.5°	554.2	525.8	492.6	459.5	445.3	431.0	412.1	388.4	369.5	336.3	288.9
-80°	511.6	487.9	464.2	440.5	416.8	383.7	345.8	307.9	288.9	274.7	270.0
-82.5°	421.6	393.1	364.7	341.0	307.9	284.2	260.5	241.6	241.6	236.8	232.1
-85°	241.6	232.1	217.9	208.4	198.9	184.7	170.5	161.0	156.3	151.6	146.8
-87.5°	123.2	118.4	108.9	104.2	99.5	94.7	85.3	80.5	75.8	75.8	71.1
-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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CATALOG NUMBER: IFLD-L-SA7D-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°	23.7	23.7	18.9	18.9	18.9	14.2	9.5	9.5	4.7	4.7	0.0
85°	56.8	47.4	42.6	37.9	37.9	28.4	18.9	14.2	9.5	4.7	4.7
82.5°	108.9	94.7	80.5	71.1	56.8	42.6	33.2	23.7	14.2	9.5	4.7
80°	123.2	123.2	118.4	99.5	80.5	61.6	42.6	28.4	18.9	14.2	9.5
77.5°	94.7	104.2	104.2	104.2	99.5	75.8	52.1	33.2	18.9	14.2	9.5
75°	108.9	94.7	90.0	94.7	90.0	75.8	61.6	37.9	23.7	18.9	9.5
72.5°	132.6	113.7	99.5	94.7	85.3	71.1	56.8	42.6	23.7	18.9	14.2
70°	123.2	118.4	108.9	99.5	85.3	71.1	56.8	42.6	28.4	18.9	14.2
67.5°	108.9	108.9	108.9	99.5	85.3	66.3	52.1	37.9	28.4	18.9	14.2
65°	75.8	90.0	99.5	94.7	85.3	66.3	52.1	37.9	28.4	23.7	14.2
62.5°	47.4	61.6	80.5	90.0	80.5	66.3	47.4	37.9	28.4	23.7	14.2
60°	42.6	47.4	56.8	71.1	75.8	61.6	47.4	33.2	28.4	23.7	14.2
57.5°	42.6	42.6	47.4	56.8	61.6	56.8	42.6	28.4	28.4	23.7	18.9
55°	47.4	42.6	42.6	47.4	52.1	52.1	42.6	28.4	28.4	23.7	18.9
52.5°	56.8	47.4	42.6	42.6	42.6	47.4	37.9	28.4	28.4	23.7	18.9
50°	71.1	56.8	52.1	42.6	42.6	42.6	37.9	28.4	23.7	23.7	18.9
47.5°	94.7	75.8	56.8	52.1	42.6	37.9	33.2	28.4	23.7	23.7	18.9
45°	142.1	90.0	75.8	56.8	47.4	42.6	37.9	28.4	23.7	23.7	18.9
42.5°	194.2	132.6	94.7	66.3	52.1	42.6	37.9	33.2	23.7	23.7	18.9
40°	246.3	180.0	118.4	85.3	61.6	47.4	37.9	33.2	28.4	23.7	18.9
37.5°	303.2	222.6	156.3	108.9	71.1	52.1	42.6	33.2	28.4	23.7	18.9
35°	374.2	279.5	194.2	132.6	85.3	61.6	47.4	33.2	28.4	23.7	18.9
32.5°	454.7	331.6	232.1	161.0	108.9	75.8	52.1	37.9	28.4	23.7	18.9
30°	530.5	393.1	274.7	194.2	132.6	85.3	56.8	37.9	28.4	23.7	14.2
27.5°	606.3	454.7	326.8	227.4	161.0	99.5	61.6	42.6	28.4	23.7	18.9
25°	682.1	516.3	378.9	260.5	184.7	118.4	75.8	47.4	28.4	23.7	18.9
22.5°	748.4	577.9	426.3	298.4	213.2	137.4	85.3	52.1	33.2	23.7	18.9
20°	824.2	644.2	478.4	341.0	236.8	156.3	94.7	56.8	33.2	23.7	18.9
17.5°	895.2	710.5	530.5	378.9	265.3	175.3	108.9	61.6	37.9	23.7	18.9
15°	966.3	772.1	577.9	416.8	293.7	194.2	118.4	66.3	42.6	23.7	18.9
12.5°	1032.6	828.9	620.5	450.0	317.4	213.2	127.9	71.1	47.4	23.7	18.9
10°	1094.2	881.0	663.1	478.4	341.0	227.4	137.4	80.5	52.1	23.7	18.9
7.5°	1155.8	923.7	696.3	506.8	369.5	246.3	146.8	85.3	56.8	28.4	18.9
5°	1193.7	961.6	724.7	530.5	393.1	265.3	156.3	90.0	61.6	28.4	18.9
2.5°	1226.8	990.0	743.7	554.2	416.8	279.5	156.3	94.7	66.3	28.4	18.9
0°	1245.8	1008.9	757.9	568.4	435.8	288.9	161.0	99.5	71.1	28.4	18.9
-2.5°	1288.4	1042.1	791.0	587.4	454.7	317.4	170.5	104.2	75.8	33.2	18.9
-5°	1316.8	1061.0	814.7	606.3	468.9	345.8	184.7	113.7	85.3	42.6	23.7
-7.5°	1340.5	1080.0	833.7	615.8	483.1	355.3	189.5	118.4	90.0	47.4	23.7
-10°	1345.2	1089.5	847.9	630.0	492.6	369.5	194.2	123.2	94.7	52.1	23.7
-12.5°	1350.0	1098.9	852.6	639.5	502.1	378.9	198.9	127.9	99.5	56.8	23.7
-15°	1345.2	1094.2	852.6	648.9	506.8	369.5	208.4	132.6	104.2	61.6	23.7
-17.5°	1335.8	1089.5	847.9	644.2	502.1	360.0	213.2	142.1	104.2	66.3	28.4
-20°	1321.6	1075.2	838.4	639.5	497.4	350.5	217.9	146.8	108.9	66.3	28.4

REPORT NUMBER: P723859

CATALOG NUMBER: IFLD-L-SA7D-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°	1297.9	1051.6	819.5	625.3	487.9	341.0	217.9	156.3	113.7	66.3	28.4
-25°	1269.4	1027.9	800.5	606.3	473.7	326.8	217.9	161.0	118.4	66.3	28.4
-27.5°	1236.3	1004.2	772.1	592.1	454.7	317.4	217.9	165.8	123.2	66.3	28.4
-30°	1198.4	971.0	748.4	568.4	440.5	317.4	222.6	170.5	127.9	66.3	28.4
-32.5°	1160.5	937.9	720.0	549.5	421.6	312.6	222.6	175.3	132.6	61.6	33.2
-35°	1117.9	900.0	696.3	535.3	407.4	303.2	227.4	175.3	127.9	61.6	33.2
-37.5°	1065.8	852.6	672.6	521.0	397.9	293.7	227.4	180.0	123.2	61.6	33.2
-40°	1008.9	814.7	644.2	502.1	383.7	288.9	227.4	180.0	118.4	61.6	37.9
-42.5°	947.3	772.1	615.8	483.1	369.5	284.2	227.4	180.0	113.7	61.6	37.9
-45°	890.5	729.5	582.6	459.5	355.3	284.2	227.4	175.3	104.2	66.3	37.9
-47.5°	828.9	682.1	544.7	435.8	350.5	279.5	222.6	165.8	94.7	66.3	37.9
-50°	776.8	634.7	516.3	412.1	341.0	284.2	227.4	151.6	94.7	66.3	37.9
-52.5°	724.7	601.6	483.1	402.6	331.6	288.9	222.6	142.1	94.7	66.3	37.9
-55°	682.1	568.4	464.2	388.4	341.0	298.4	213.2	127.9	94.7	66.3	37.9
-57.5°	648.9	549.5	450.0	393.1	355.3	288.9	198.9	123.2	94.7	61.6	37.9
-60°	625.3	530.5	454.7	412.1	360.0	274.7	189.5	123.2	94.7	61.6	33.2
-62.5°	606.3	535.3	478.4	426.3	341.0	255.8	180.0	123.2	85.3	56.8	33.2
-65°	611.0	554.2	487.9	407.4	326.8	236.8	165.8	118.4	80.5	52.1	33.2
-67.5°	625.3	540.0	459.5	383.7	293.7	213.2	151.6	108.9	75.8	52.1	33.2
-70°	577.9	497.4	416.8	326.8	251.0	184.7	142.1	99.5	66.3	47.4	33.2
-72.5°	521.0	416.8	331.6	265.3	213.2	170.5	127.9	90.0	61.6	42.6	28.4
-75°	378.9	303.2	246.3	222.6	189.5	151.6	113.7	80.5	56.8	42.6	28.4
-77.5°	270.0	251.0	227.4	203.7	170.5	132.6	99.5	75.8	52.1	37.9	23.7
-80°	265.3	241.6	213.2	175.3	142.1	113.7	85.3	66.3	47.4	33.2	18.9
-82.5°	222.6	189.5	161.0	132.6	108.9	90.0	71.1	52.1	37.9	23.7	14.2
-85°	137.4	118.4	104.2	90.0	75.8	61.6	47.4	33.2	23.7	14.2	9.5
-87.5°	66.3	61.6	52.1	42.6	37.9	28.4	23.7	18.9	14.2	9.5	4.7
-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-L-SA7D-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°	4.7	0.0	0.0	0.0
80°	4.7	0.0	0.0	0.0
77.5°	4.7	0.0	0.0	0.0
75°	4.7	4.7	0.0	0.0
72.5°	4.7	4.7	0.0	0.0
70°	9.5	4.7	4.7	0.0
67.5°	9.5	4.7	4.7	0.0
65°	9.5	4.7	4.7	0.0
62.5°	9.5	4.7	4.7	0.0
60°	9.5	4.7	4.7	0.0
57.5°	9.5	4.7	4.7	0.0
55°	9.5	4.7	4.7	0.0
52.5°	9.5	4.7	4.7	0.0
50°	9.5	4.7	4.7	0.0
47.5°	9.5	9.5	4.7	0.0
45°	9.5	9.5	4.7	0.0
42.5°	9.5	9.5	4.7	0.0
40°	9.5	9.5	4.7	0.0
37.5°	9.5	9.5	4.7	0.0
35°	9.5	9.5	4.7	0.0
32.5°	14.2	9.5	4.7	0.0
30°	14.2	9.5	9.5	0.0
27.5°	14.2	9.5	9.5	0.0
25°	14.2	9.5	9.5	0.0
22.5°	14.2	9.5	9.5	0.0
20°	14.2	9.5	9.5	0.0
17.5°	14.2	9.5	9.5	0.0
15°	14.2	9.5	9.5	0.0
12.5°	14.2	9.5	9.5	0.0
10°	14.2	9.5	9.5	0.0
7.5°	14.2	9.5	9.5	0.0
5°	14.2	9.5	9.5	0.0
2.5°	14.2	9.5	9.5	0.0
0°	14.2	9.5	9.5	0.0
-2.5°	14.2	9.5	9.5	0.0
-5°	14.2	9.5	9.5	0.0
-7.5°	14.2	9.5	9.5	0.0
-10°	14.2	9.5	9.5	0.0
-12.5°	18.9	9.5	9.5	0.0
-15°	18.9	9.5	9.5	0.0
-17.5°	18.9	9.5	9.5	0.0
-20°	18.9	9.5	9.5	0.0

REPORT NUMBER: P723859

CATALOG NUMBER: IFLD-L-SA7D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	18.9	9.5	9.5	0.0
-25°	18.9	9.5	9.5	0.0
-27.5°	18.9	9.5	9.5	0.0
-30°	18.9	9.5	9.5	0.0
-32.5°	18.9	9.5	9.5	0.0
-35°	18.9	9.5	9.5	0.0
-37.5°	18.9	9.5	9.5	0.0
-40°	18.9	9.5	9.5	0.0
-42.5°	14.2	9.5	4.7	0.0
-45°	18.9	9.5	4.7	0.0
-47.5°	18.9	9.5	4.7	0.0
-50°	18.9	9.5	4.7	0.0
-52.5°	18.9	9.5	4.7	0.0
-55°	18.9	9.5	4.7	0.0
-57.5°	18.9	9.5	4.7	0.0
-60°	18.9	9.5	4.7	0.0
-62.5°	18.9	9.5	4.7	0.0
-65°	18.9	9.5	4.7	0.0
-67.5°	18.9	9.5	4.7	0.0
-70°	18.9	4.7	4.7	0.0
-72.5°	14.2	4.7	4.7	0.0
-75°	14.2	4.7	4.7	0.0
-77.5°	9.5	4.7	0.0	0.0
-80°	9.5	4.7	0.0	0.0
-82.5°	9.5	4.7	0.0	0.0
-85°	4.7	0.0	0.0	0.0
-87.5°	4.7	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)