

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: P723642

Luminaire Tested: **IFLD-S-SA3E-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723642
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	11941.9 lumens	Max Intensity:	280949.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	51.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	4330.6 lumens	Field Lumens:	6903.8 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

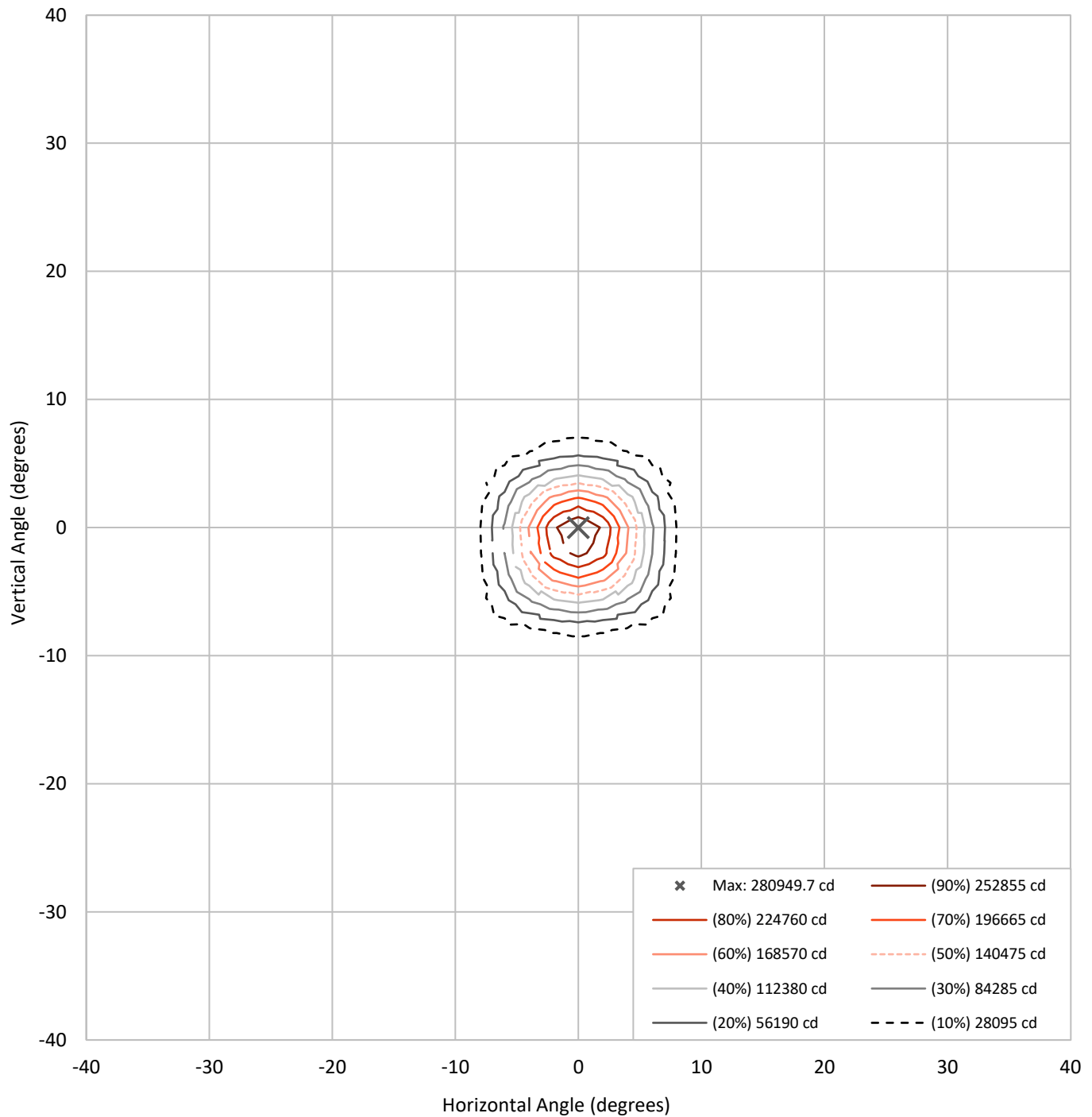
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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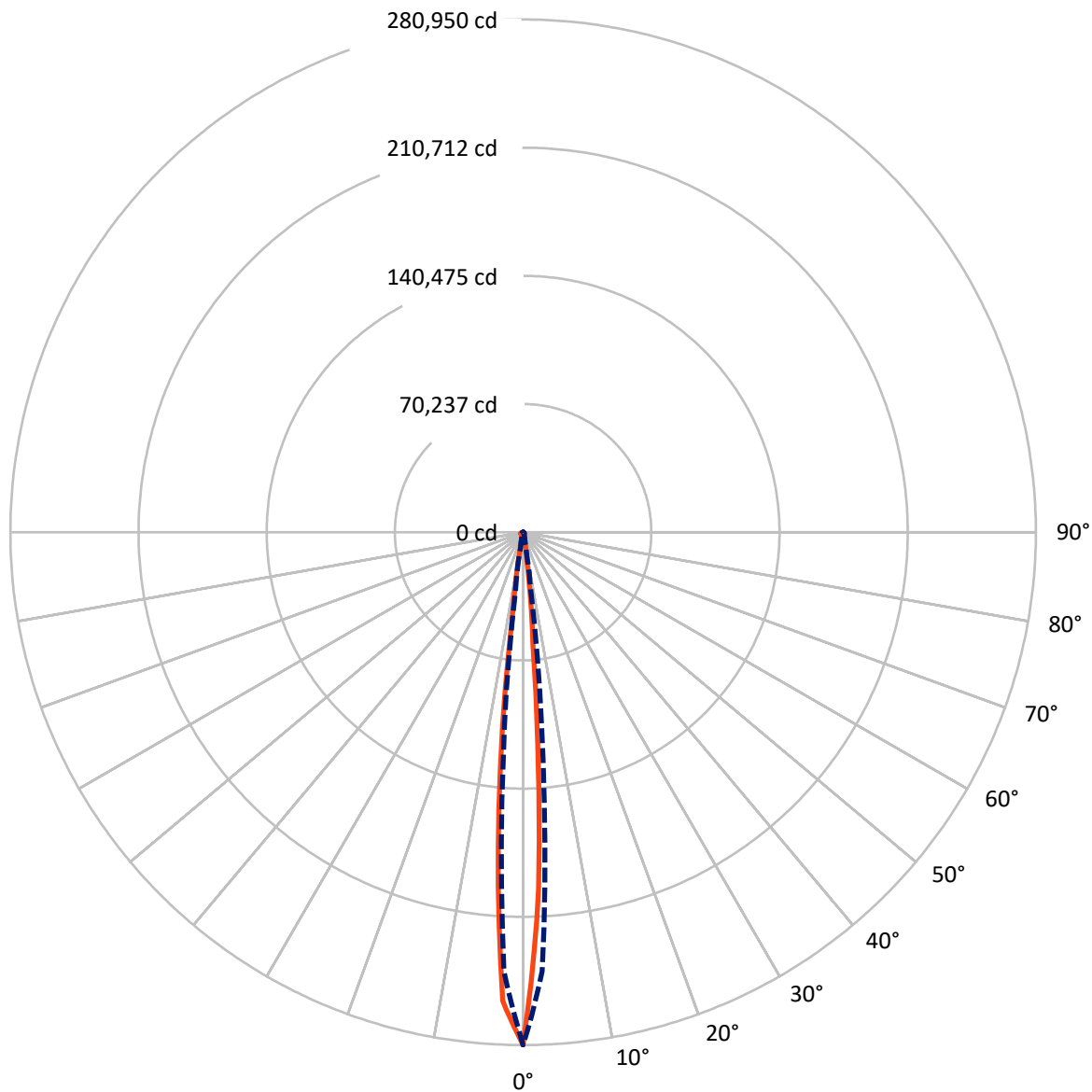
Lumen Table

90																				
80	0.2	2.7		2.9		1.1		0.3		1.1		2.9		2.7		0.2				
70																				
60	0.3	0.6	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.6	0.3				
50		0.4	0.5	1.4	3.1	5.0	6.5	7.4	7.4	6.5	5.0	3.1	1.4	0.5	0.4					
40	0.3	0.4	1.6	5.4	10.7	15.7	18.8	20.9	20.9	18.8	15.7	10.7	5.4	1.6	0.4	0.3				
30		0.8	4.1	11.2	18.2	21.3	23.0	23.8	23.8	23.0	21.3	18.2	11.2	4.1	0.8					
20	0.5	1.6	7.1	16.3	21.0	21.7	25.6	30.8	30.8	25.6	21.7	21.0	16.3	7.1	1.6	0.5				
10		2.4	9.9	20.0	22.4	25.3	44.5	75.8	75.8	44.5	25.3	22.4	20.0	9.9	2.4					
0	0.8	3.1	12.2	21.9	23.3	31.2	84.6	1567.7	1567.7	84.6	31.2	23.3	21.9	12.2	3.1	0.8				
-10		3.7	13.3	23.0	24.1	32.3	91.1	2285.8	2285.8	91.1	32.3	24.1	23.0	13.3	3.7					
-20	1.1	3.9	13.7	24.3	26.1	29.1	53.0	101.7	101.7	53.0	29.1	26.1	24.3	13.7	3.9	1.1				
-30		3.7	13.0	24.6	29.3	29.4	34.3	41.9	41.9	34.3	29.4	29.3	24.6	13.0	3.7					
-40	1.3	3.3	11.5	23.5	32.2	35.1	36.6	36.9	36.9	36.6	35.1	32.2	23.5	11.5	3.3	1.3				
-50		2.9	9.2	19.9	31.1	37.8	42.4	44.4	44.4	42.4	37.8	31.1	19.9	9.2	2.9					
-60	1.0	2.6	7.1	15.5	26.5	35.6	41.4	43.8	43.8	41.4	35.6	26.5	15.5	7.1	2.6	1.0				
-70		2.4	6.3	12.6	22.1	31.1	37.7	40.7	40.7	37.7	31.1	22.1	12.6	6.3	2.4					
-80	0.5	7.4		22.0		40.8		45.0		40.8		22.0		7.4		0.5				
-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



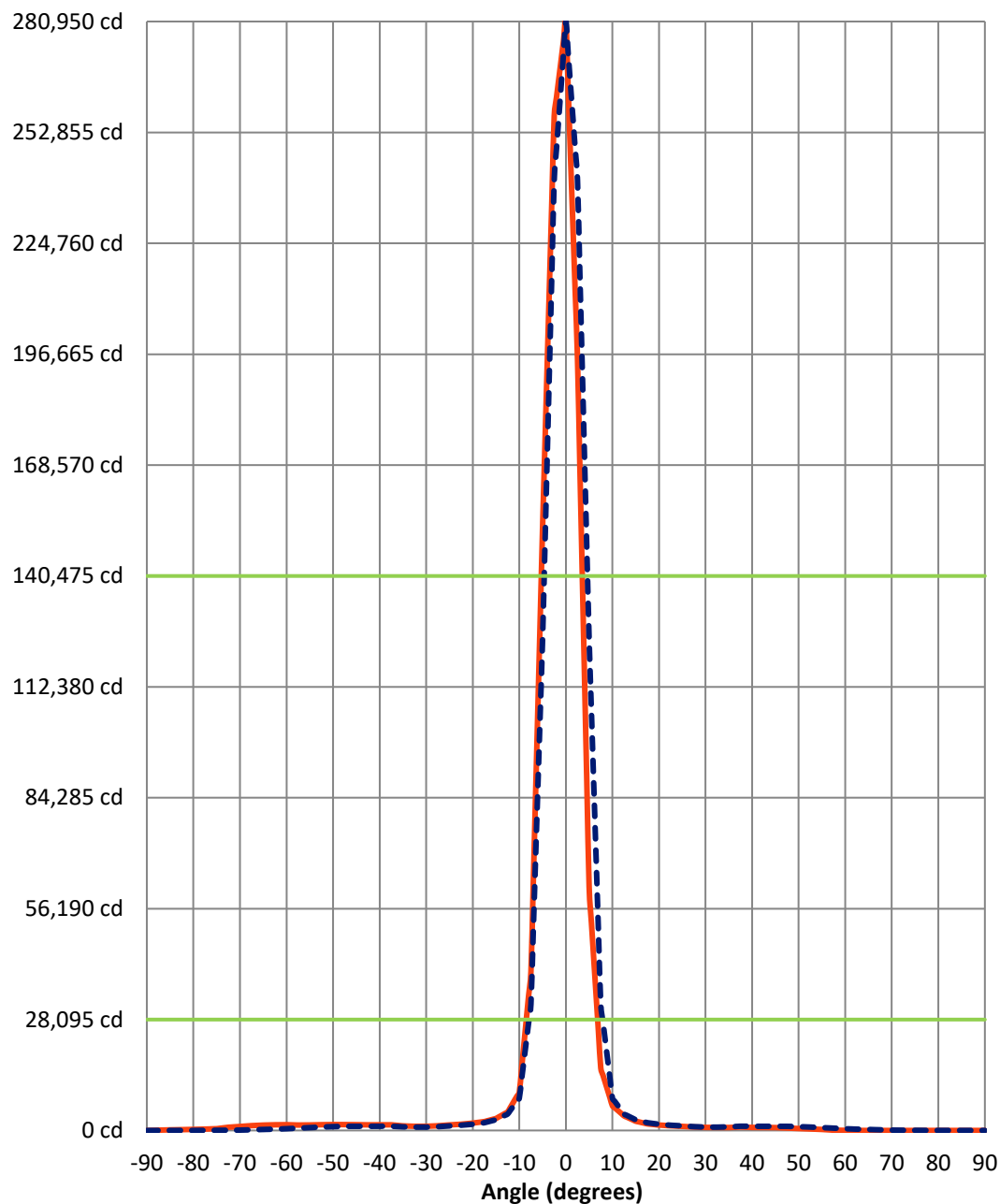
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4330.6

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 6903.8

Efficiency: 57.8%

Spill:

Lumens: 5038

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	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	0.0	2.8	2.8	5.5	5.5	5.5	8.3	11.0	13.8	13.8	16.5
82.5°	0.0	2.8	2.8	5.5	5.5	8.3	8.3	13.8	16.5	19.3	24.8
80°	2.8	2.8	2.8	5.5	5.5	8.3	8.3	11.0	13.8	19.3	22.1
77.5°	0.0	2.8	2.8	2.8	5.5	5.5	5.5	8.3	11.0	13.8	16.5
75°	0.0	2.8	2.8	2.8	5.5	5.5	5.5	5.5	8.3	8.3	11.0
72.5°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
70°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
67.5°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	5.5	8.3	8.3	8.3
65°	0.0	0.0	0.0	2.8	2.8	5.5	5.5	8.3	8.3	8.3	8.3
62.5°	2.8	2.8	2.8	5.5	8.3	8.3	11.0	13.8	13.8	13.8	13.8
60°	27.6	30.3	33.1	33.1	30.3	30.3	33.1	33.1	33.1	33.1	33.1
57.5°	74.4	79.9	82.7	82.7	82.7	79.9	91.0	93.7	82.7	77.2	85.5
55°	259.1	267.4	261.9	253.6	237.1	217.8	212.3	209.5	212.3	198.5	176.4
52.5°	377.7	385.9	383.2	377.7	366.6	352.9	341.8	330.8	319.8	297.7	272.9
50°	490.7	493.5	490.7	485.2	474.2	460.4	438.3	413.5	391.5	385.9	363.9
47.5°	617.5	625.8	625.8	623.0	614.8	589.9	556.9	521.0	504.5	499.0	476.9
45°	730.5	736.0	738.8	741.6	738.8	714.0	683.7	664.4	628.5	617.5	617.5
42.5°	760.9	763.6	766.4	769.1	777.4	758.1	733.3	700.2	691.9	689.2	683.7
40°	771.9	766.4	769.1	771.9	774.6	760.9	741.6	722.3	716.8	711.2	711.2
37.5°	876.6	851.8	832.5	816.0	802.2	788.4	769.1	752.6	738.8	727.8	738.8
35°	747.1	747.1	766.4	782.9	799.5	816.0	818.7	799.5	769.1	755.3	774.6
32.5°	763.6	763.6	763.6	769.1	774.6	788.4	802.2	810.5	832.5	807.7	807.7
30°	780.2	782.9	788.4	791.2	782.9	777.4	771.9	771.9	785.7	821.5	840.8
27.5°	876.6	876.6	868.4	857.3	832.5	793.9	774.6	747.1	749.8	766.4	813.2
25°	1033.8	1028.3	1009.0	981.4	937.3	882.2	829.8	771.9	747.1	738.8	758.1
22.5°	1182.6	1174.4	1149.6	1124.7	1088.9	1033.8	945.6	857.3	780.2	747.1	738.8
20°	1372.9	1353.6	1326.0	1287.4	1229.5	1174.4	1097.2	981.4	868.4	782.9	749.8
17.5°	1678.9	1654.0	1601.7	1532.7	1433.5	1348.0	1237.8	1127.5	1000.7	862.9	788.4
15°	2348.7	2285.3	2194.4	2004.1	1808.4	1645.8	1480.4	1295.7	1166.1	984.2	871.1
12.5°	3694.0	3520.3	3255.7	2811.9	2373.5	1995.9	1728.5	1491.4	1281.9	1113.7	953.8
10°	6252.3	5880.1	5149.6	3936.6	3128.9	2434.2	1954.5	1637.5	1372.9	1199.2	1022.7
7.5°	15812.6	12898.8	9127.5	6233.0	4093.7	2974.5	2235.7	1775.3	1469.3	1254.3	1077.9
5°	61629.5	50768.0	27082.1	11302.6	6158.5	3597.5	2489.3	1885.6	1532.7	1295.7	1119.2
2.5°	195593.0	168907.8	88617.9	24330.9	7561.7	4052.4	2663.0	1954.5	1568.6	1326.0	1149.6
0°	280949.7	240784.1	124370.0	32000.2	8201.3	4168.2	2718.1	1968.3	1574.1	1331.5	1149.6
-2.5°	257021.3	224943.9	120141.2	29778.2	8380.5	4201.3	2762.2	2015.2	1615.4	1356.3	1157.8
-5°	152720.3	133957.9	83807.4	21232.4	7445.9	3900.8	2646.5	1973.8	1587.9	1342.5	1152.3
-7.5°	40237.3	34834.1	22914.0	11079.3	4818.8	3299.8	2431.4	1904.9	1552.0	1317.7	1130.3
-10°	9700.9	9193.7	8212.3	5033.8	3751.9	2756.7	2155.8	1780.8	1480.4	1284.6	1094.4
-12.5°	4678.2	4567.9	4146.1	3418.3	2784.3	2290.8	1951.8	1651.3	1414.2	1226.7	1044.8
-15°	3043.4	2980.0	2836.7	2558.2	2235.7	1998.6	1761.6	1519.0	1331.5	1141.3	1003.5
-17.5°	2252.3	2249.5	2177.8	2073.1	1913.2	1736.7	1563.1	1408.7	1226.7	1064.1	959.3
-20°	1866.3	1866.3	1825.0	1756.0	1643.0	1527.2	1411.4	1268.1	1119.2	997.9	953.8

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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°	1585.1	1587.9	1565.8	1521.7	1461.1	1364.6	1251.6	1135.8	1028.3	984.2	970.4
-25°	1403.2	1397.7	1372.9	1331.5	1268.1	1190.9	1116.5	1039.3	1009.0	997.9	1017.2
-27.5°	1188.2	1196.4	1185.4	1166.1	1124.7	1069.6	1053.1	1031.0	1036.5	1053.1	1127.5
-30°	1061.3	1069.6	1080.6	1088.9	1075.1	1061.3	1066.9	1083.4	1119.2	1182.6	1210.2
-32.5°	1061.3	1064.1	1080.6	1097.2	1105.5	1116.5	1146.8	1201.9	1254.3	1237.8	1232.3
-35°	1157.8	1149.6	1171.6	1193.7	1224.0	1262.6	1295.7	1284.6	1265.3	1259.8	1265.3
-37.5°	1433.5	1381.1	1359.1	1345.3	1337.0	1331.5	1323.2	1315.0	1306.7	1301.2	1309.4
-40°	1430.7	1417.0	1403.2	1392.2	1383.9	1372.9	1367.3	1364.6	1356.3	1350.8	1345.3
-42.5°	1425.2	1430.7	1430.7	1428.0	1430.7	1428.0	1419.7	1408.7	1394.9	1383.9	1372.9
-45°	1466.6	1469.3	1474.9	1480.4	1488.6	1477.6	1461.1	1441.8	1422.5	1405.9	1392.2
-47.5°	1491.4	1494.1	1499.7	1507.9	1513.4	1502.4	1480.4	1455.6	1425.2	1397.7	1370.1
-50°	1499.7	1507.9	1510.7	1510.7	1507.9	1494.1	1461.1	1425.2	1392.2	1364.6	1339.8
-52.5°	1461.1	1469.3	1472.1	1466.6	1463.8	1450.0	1419.7	1386.6	1350.8	1331.5	1309.4
-55°	1397.7	1408.7	1417.0	1417.0	1417.0	1414.2	1386.6	1356.3	1328.7	1306.7	1284.6
-57.5°	1372.9	1392.2	1408.7	1411.4	1414.2	1417.0	1397.7	1367.3	1334.3	1301.2	1273.6
-60°	1463.8	1480.4	1488.6	1477.6	1469.3	1461.1	1430.7	1394.9	1361.8	1328.7	1276.4
-62.5°	1439.0	1466.6	1480.4	1472.1	1461.1	1447.3	1414.2	1372.9	1334.3	1298.4	1246.0
-65°	1359.1	1383.9	1400.4	1386.6	1370.1	1350.8	1320.5	1281.9	1246.0	1210.2	1163.3
-67.5°	1224.0	1259.8	1287.4	1257.1	1235.0	1210.2	1185.4	1152.3	1116.5	1075.1	1031.0
-70°	1011.7	1039.3	1064.1	1055.8	1050.3	1044.8	1028.3	995.2	964.9	931.8	893.2
-72.5°	813.2	838.0	860.1	846.3	835.3	818.7	793.9	758.1	722.3	686.4	650.6
-75°	449.3	457.6	465.9	463.1	463.1	463.1	463.1	465.9	460.4	452.1	435.6
-77.5°	344.6	355.6	363.9	369.4	377.7	388.7	397.0	383.2	369.4	355.6	339.1
-80°	270.2	281.2	289.5	319.8	341.8	366.6	383.2	363.9	344.6	328.1	314.3
-82.5°	204.0	212.3	220.5	237.1	248.1	261.9	272.9	272.9	270.2	267.4	259.1
-85°	148.9	159.9	170.9	176.4	184.7	184.7	187.5	176.4	165.4	157.1	146.1
-87.5°	85.5	88.2	88.2	88.2	91.0	91.0	91.0	85.5	82.7	77.2	74.4
-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°	2.8	2.8	2.8	5.5	5.5	8.3	8.3	11.0	11.0	13.8	13.8
85°	16.5	16.5	16.5	19.3	19.3	22.1	24.8	27.6	30.3	30.3	33.1
82.5°	27.6	30.3	33.1	35.8	38.6	41.4	44.1	46.9	55.1	60.6	63.4
80°	27.6	30.3	38.6	44.1	49.6	55.1	55.1	55.1	55.1	57.9	63.4
77.5°	19.3	22.1	24.8	30.3	44.1	55.1	63.4	68.9	63.4	60.6	55.1
75°	11.0	13.8	16.5	19.3	27.6	38.6	52.4	66.2	77.2	74.4	68.9
72.5°	11.0	11.0	13.8	16.5	19.3	22.1	24.8	38.6	55.1	68.9	77.2
70°	11.0	13.8	13.8	16.5	19.3	22.1	24.8	30.3	38.6	55.1	71.7
67.5°	11.0	13.8	13.8	19.3	24.8	27.6	30.3	27.6	24.8	35.8	52.4
65°	11.0	11.0	13.8	16.5	19.3	22.1	30.3	30.3	27.6	27.6	27.6
62.5°	16.5	16.5	16.5	16.5	19.3	19.3	19.3	24.8	24.8	24.8	24.8
60°	33.1	30.3	30.3	30.3	30.3	24.8	24.8	24.8	22.1	24.8	22.1
57.5°	79.9	66.2	60.6	60.6	52.4	49.6	41.4	30.3	30.3	24.8	24.8
55°	162.6	154.4	129.6	107.5	96.5	85.5	66.2	55.1	41.4	33.1	30.3
52.5°	250.9	228.8	206.8	179.2	151.6	129.6	110.3	85.5	68.9	49.6	38.6
50°	328.1	308.8	283.9	253.6	217.8	190.2	162.6	129.6	102.0	77.2	55.1
47.5°	446.6	408.0	377.7	341.8	300.5	261.9	226.1	187.5	143.4	113.0	85.5
45°	573.4	518.3	476.9	443.8	388.7	336.3	295.0	253.6	201.2	148.9	115.8
42.5°	661.6	620.3	565.1	521.0	471.4	416.3	361.1	317.0	261.9	201.2	148.9
40°	708.5	680.9	636.8	598.2	545.8	485.2	427.3	383.2	325.3	259.1	187.5
37.5°	744.3	730.5	708.5	678.2	628.5	556.9	499.0	446.6	397.0	319.8	242.6
35°	785.7	782.9	769.1	755.3	714.0	645.1	576.2	515.5	454.9	383.2	297.7
32.5°	824.3	821.5	813.2	807.7	791.2	730.5	656.1	587.2	518.3	443.8	350.1
30°	843.6	838.0	838.0	843.6	827.0	788.4	733.3	658.9	581.7	493.5	405.2
27.5°	843.6	838.0	840.8	849.1	846.3	827.0	785.7	725.0	639.6	540.3	454.9
25°	807.7	835.3	835.3	846.3	849.1	843.6	821.5	782.9	694.7	589.9	493.5
22.5°	758.1	824.3	849.1	846.3	849.1	862.9	865.6	829.8	747.1	639.6	532.0
20°	758.1	805.0	876.6	857.3	862.9	893.2	907.0	876.6	802.2	686.4	570.6
17.5°	774.6	805.0	865.6	895.9	904.2	929.0	951.1	931.8	851.8	736.0	623.0
15°	821.5	816.0	857.3	931.8	945.6	964.9	989.7	967.6	895.9	791.2	672.6
12.5°	854.6	824.3	857.3	937.3	981.4	1000.7	1009.0	992.4	934.5	840.8	722.3
10°	898.7	846.3	862.9	931.8	995.2	1009.0	1017.2	1011.7	970.4	882.2	766.4
7.5°	931.8	857.3	857.3	923.5	1009.0	1020.0	1025.5	1031.0	1000.7	918.0	805.0
5°	945.6	857.3	851.8	915.2	1022.7	1033.8	1033.8	1042.0	1022.7	945.6	832.5
2.5°	948.3	854.6	846.3	909.7	1047.6	1047.6	1042.0	1050.3	1039.3	962.1	851.8
0°	962.1	851.8	843.6	918.0	1075.1	1064.1	1050.3	1053.1	1047.6	970.4	862.9
-2.5°	962.1	865.6	854.6	923.5	1072.4	1069.6	1064.1	1066.9	1061.3	995.2	884.9
-5°	975.9	884.9	873.9	948.3	1069.6	1077.9	1080.6	1080.6	1072.4	1011.7	898.7
-7.5°	978.6	898.7	895.9	973.1	1075.1	1088.9	1097.2	1102.7	1086.2	1022.7	909.7
-10°	964.9	904.2	918.0	1003.5	1080.6	1099.9	1116.5	1124.7	1097.2	1028.3	915.2
-12.5°	934.5	904.2	940.0	1042.0	1094.4	1116.5	1141.3	1144.0	1108.2	1031.0	918.0
-15°	931.8	926.3	978.6	1080.6	1102.7	1130.3	1168.9	1160.6	1116.5	1031.0	918.0
-17.5°	929.0	956.6	1036.5	1094.4	1116.5	1146.8	1177.1	1168.9	1122.0	1031.0	912.5
-20°	953.8	1006.2	1105.5	1108.2	1133.0	1166.1	1182.6	1166.1	1113.7	1022.7	904.2

REPORT NUMBER: P723642

CATALOG NUMBER: IFLD-S-SA3E-727-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°	995.2	1094.4	1127.5	1138.5	1160.6	1185.4	1193.7	1168.9	1105.5	1009.0	890.4
-25°	1099.9	1149.6	1149.6	1174.4	1196.4	1207.4	1199.2	1171.6	1094.4	995.2	876.6
-27.5°	1179.9	1177.1	1190.9	1215.7	1235.0	1235.0	1213.0	1157.8	1077.9	981.4	857.3
-30°	1210.2	1213.0	1232.3	1259.8	1265.3	1251.6	1218.5	1146.8	1064.1	959.3	832.5
-32.5°	1240.5	1251.6	1276.4	1290.2	1292.9	1265.3	1204.7	1127.5	1042.0	934.5	805.0
-35°	1276.4	1298.4	1312.2	1315.0	1301.2	1254.3	1185.4	1102.7	1009.0	898.7	780.2
-37.5°	1323.2	1334.3	1342.5	1331.5	1292.9	1237.8	1152.3	1069.6	978.6	860.1	744.3
-40°	1353.6	1359.1	1361.8	1326.0	1279.1	1199.2	1116.5	1031.0	926.3	816.0	705.7
-42.5°	1372.9	1367.3	1345.3	1306.7	1237.8	1160.6	1080.6	984.2	879.4	771.9	664.4
-45°	1367.3	1348.0	1315.0	1268.1	1196.4	1119.2	1025.5	929.0	829.8	725.0	617.5
-47.5°	1345.3	1315.0	1273.6	1218.5	1152.3	1058.6	964.9	871.1	774.6	672.6	573.4
-50°	1317.7	1281.9	1232.3	1163.3	1075.1	989.7	904.2	813.2	714.0	620.3	532.0
-52.5°	1287.4	1248.8	1185.4	1108.2	1011.7	923.5	840.8	752.6	661.6	573.4	496.2
-55°	1254.3	1215.7	1144.0	1055.8	959.3	862.9	782.9	708.5	620.3	534.8	465.9
-57.5°	1237.8	1188.2	1113.7	1025.5	923.5	824.3	755.3	675.4	595.5	507.2	441.1
-60°	1224.0	1174.4	1105.5	1003.5	907.0	813.2	733.3	656.1	570.6	487.9	421.8
-62.5°	1185.4	1133.0	1069.6	970.4	876.6	791.2	719.5	628.5	545.8	468.6	408.0
-65°	1108.2	1053.1	997.9	909.7	824.3	744.3	672.6	589.9	512.8	446.6	394.2
-67.5°	986.9	940.0	890.4	816.0	744.3	672.6	606.5	534.8	471.4	424.5	397.0
-70°	851.8	802.2	752.6	691.9	631.3	573.4	521.0	468.6	427.3	402.5	380.4
-72.5°	620.3	598.2	573.4	526.5	476.9	441.1	416.3	394.2	363.9	341.8	328.1
-75°	413.5	383.2	344.6	328.1	330.8	325.3	311.5	295.0	281.2	272.9	253.6
-77.5°	322.5	306.0	286.7	267.4	259.1	250.9	239.8	226.1	215.0	195.7	168.2
-80°	297.7	283.9	270.2	256.4	242.6	223.3	201.2	179.2	168.2	159.9	157.1
-82.5°	245.3	228.8	212.3	198.5	179.2	165.4	151.6	140.6	140.6	137.8	135.1
-85°	140.6	135.1	126.8	121.3	115.8	107.5	99.2	93.7	91.0	88.2	85.5
-87.5°	71.7	68.9	63.4	60.6	57.9	55.1	49.6	46.9	44.1	44.1	41.4
-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: P723642

CATALOG NUMBER: IFLD-S-SA3E-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°	13.8	13.8	11.0	11.0	11.0	8.3	5.5	5.5	2.8	2.8	0.0
85°	33.1	27.6	24.8	22.1	22.1	16.5	11.0	8.3	5.5	2.8	2.8
82.5°	63.4	55.1	46.9	41.4	33.1	24.8	19.3	13.8	8.3	5.5	2.8
80°	71.7	71.7	68.9	57.9	46.9	35.8	24.8	16.5	11.0	8.3	5.5
77.5°	55.1	60.6	60.6	60.6	57.9	44.1	30.3	19.3	11.0	8.3	5.5
75°	63.4	55.1	52.4	55.1	52.4	44.1	35.8	22.1	13.8	11.0	5.5
72.5°	77.2	66.2	57.9	55.1	49.6	41.4	33.1	24.8	13.8	11.0	8.3
70°	71.7	68.9	63.4	57.9	49.6	41.4	33.1	24.8	16.5	11.0	8.3
67.5°	63.4	63.4	63.4	57.9	49.6	38.6	30.3	22.1	16.5	11.0	8.3
65°	44.1	52.4	57.9	55.1	49.6	38.6	30.3	22.1	16.5	13.8	8.3
62.5°	27.6	35.8	46.9	52.4	46.9	38.6	27.6	22.1	16.5	13.8	8.3
60°	24.8	27.6	33.1	41.4	44.1	35.8	27.6	19.3	16.5	13.8	8.3
57.5°	24.8	24.8	27.6	33.1	35.8	33.1	24.8	16.5	16.5	13.8	11.0
55°	27.6	24.8	24.8	27.6	30.3	30.3	24.8	16.5	16.5	13.8	11.0
52.5°	33.1	27.6	24.8	24.8	24.8	27.6	22.1	16.5	16.5	13.8	11.0
50°	41.4	33.1	30.3	24.8	24.8	24.8	22.1	16.5	13.8	13.8	11.0
47.5°	55.1	44.1	33.1	30.3	24.8	22.1	19.3	16.5	13.8	13.8	11.0
45°	82.7	52.4	44.1	33.1	27.6	24.8	22.1	16.5	13.8	13.8	11.0
42.5°	113.0	77.2	55.1	38.6	30.3	24.8	22.1	19.3	13.8	13.8	11.0
40°	143.4	104.8	68.9	49.6	35.8	27.6	22.1	19.3	16.5	13.8	11.0
37.5°	176.4	129.6	91.0	63.4	41.4	30.3	24.8	19.3	16.5	13.8	11.0
35°	217.8	162.6	113.0	77.2	49.6	35.8	27.6	19.3	16.5	13.8	11.0
32.5°	264.6	193.0	135.1	93.7	63.4	44.1	30.3	22.1	16.5	13.8	11.0
30°	308.8	228.8	159.9	113.0	77.2	49.6	33.1	22.1	16.5	13.8	8.3
27.5°	352.9	264.6	190.2	132.3	93.7	57.9	35.8	24.8	16.5	13.8	11.0
25°	397.0	300.5	220.5	151.6	107.5	68.9	44.1	27.6	16.5	13.8	11.0
22.5°	435.6	336.3	248.1	173.7	124.1	79.9	49.6	30.3	19.3	13.8	11.0
20°	479.7	374.9	278.4	198.5	137.8	91.0	55.1	33.1	19.3	13.8	11.0
17.5°	521.0	413.5	308.8	220.5	154.4	102.0	63.4	35.8	22.1	13.8	11.0
15°	562.4	449.3	336.3	242.6	170.9	113.0	68.9	38.6	24.8	13.8	11.0
12.5°	601.0	482.4	361.1	261.9	184.7	124.1	74.4	41.4	27.6	13.8	11.0
10°	636.8	512.8	385.9	278.4	198.5	132.3	79.9	46.9	30.3	13.8	11.0
7.5°	672.6	537.6	405.2	295.0	215.0	143.4	85.5	49.6	33.1	16.5	11.0
5°	694.7	559.6	421.8	308.8	228.8	154.4	91.0	52.4	35.8	16.5	11.0
2.5°	714.0	576.2	432.8	322.5	242.6	162.6	91.0	55.1	38.6	16.5	11.0
0°	725.0	587.2	441.1	330.8	253.6	168.2	93.7	57.9	41.4	16.5	11.0
-2.5°	749.8	606.5	460.4	341.8	264.6	184.7	99.2	60.6	44.1	19.3	11.0
-5°	766.4	617.5	474.2	352.9	272.9	201.2	107.5	66.2	49.6	24.8	13.8
-7.5°	780.2	628.5	485.2	358.4	281.2	206.8	110.3	68.9	52.4	27.6	13.8
-10°	782.9	634.0	493.5	366.6	286.7	215.0	113.0	71.7	55.1	30.3	13.8
-12.5°	785.7	639.6	496.2	372.2	292.2	220.5	115.8	74.4	57.9	33.1	13.8
-15°	782.9	636.8	496.2	377.7	295.0	215.0	121.3	77.2	60.6	35.8	13.8
-17.5°	777.4	634.0	493.5	374.9	292.2	209.5	124.1	82.7	60.6	38.6	16.5
-20°	769.1	625.8	487.9	372.2	289.5	204.0	126.8	85.5	63.4	38.6	16.5



REPORT NUMBER: P723642

CATALOG NUMBER: IFLD-S-SA3E-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°	755.3	612.0	476.9	363.9	283.9	198.5	126.8	91.0	66.2	38.6	16.5
-25°	738.8	598.2	465.9	352.9	275.7	190.2	126.8	93.7	68.9	38.6	16.5
-27.5°	719.5	584.4	449.3	344.6	264.6	184.7	126.8	96.5	71.7	38.6	16.5
-30°	697.5	565.1	435.6	330.8	256.4	184.7	129.6	99.2	74.4	38.6	16.5
-32.5°	675.4	545.8	419.0	319.8	245.3	181.9	129.6	102.0	77.2	35.8	19.3
-35°	650.6	523.8	405.2	311.5	237.1	176.4	132.3	102.0	74.4	35.8	19.3
-37.5°	620.3	496.2	391.5	303.2	231.6	170.9	132.3	104.8	71.7	35.8	19.3
-40°	587.2	474.2	374.9	292.2	223.3	168.2	132.3	104.8	68.9	35.8	22.1
-42.5°	551.3	449.3	358.4	281.2	215.0	165.4	132.3	104.8	66.2	35.8	22.1
-45°	518.3	424.5	339.1	267.4	206.8	165.4	132.3	102.0	60.6	38.6	22.1
-47.5°	482.4	397.0	317.0	253.6	204.0	162.6	129.6	96.5	55.1	38.6	22.1
-50°	452.1	369.4	300.5	239.8	198.5	165.4	132.3	88.2	55.1	38.6	22.1
-52.5°	421.8	350.1	281.2	234.3	193.0	168.2	129.6	82.7	55.1	38.6	22.1
-55°	397.0	330.8	270.2	226.1	198.5	173.7	124.1	74.4	55.1	38.6	22.1
-57.5°	377.7	319.8	261.9	228.8	206.8	168.2	115.8	71.7	55.1	35.8	22.1
-60°	363.9	308.8	264.6	239.8	209.5	159.9	110.3	71.7	55.1	35.8	19.3
-62.5°	352.9	311.5	278.4	248.1	198.5	148.9	104.8	71.7	49.6	33.1	19.3
-65°	355.6	322.5	283.9	237.1	190.2	137.8	96.5	68.9	46.9	30.3	19.3
-67.5°	363.9	314.3	267.4	223.3	170.9	124.1	88.2	63.4	44.1	30.3	19.3
-70°	336.3	289.5	242.6	190.2	146.1	107.5	82.7	57.9	38.6	27.6	19.3
-72.5°	303.2	242.6	193.0	154.4	124.1	99.2	74.4	52.4	35.8	24.8	16.5
-75°	220.5	176.4	143.4	129.6	110.3	88.2	66.2	46.9	33.1	24.8	16.5
-77.5°	157.1	146.1	132.3	118.5	99.2	77.2	57.9	44.1	30.3	22.1	13.8
-80°	154.4	140.6	124.1	102.0	82.7	66.2	49.6	38.6	27.6	19.3	11.0
-82.5°	129.6	110.3	93.7	77.2	63.4	52.4	41.4	30.3	22.1	13.8	8.3
-85°	79.9	68.9	60.6	52.4	44.1	35.8	27.6	19.3	13.8	8.3	5.5
-87.5°	38.6	35.8	30.3	24.8	22.1	16.5	13.8	11.0	8.3	5.5	2.8
-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-S-SA3E-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°	2.8	0.0	0.0	0.0
80°	2.8	0.0	0.0	0.0
77.5°	2.8	0.0	0.0	0.0
75°	2.8	2.8	0.0	0.0
72.5°	2.8	2.8	0.0	0.0
70°	5.5	2.8	2.8	0.0
67.5°	5.5	2.8	2.8	0.0
65°	5.5	2.8	2.8	0.0
62.5°	5.5	2.8	2.8	0.0
60°	5.5	2.8	2.8	0.0
57.5°	5.5	2.8	2.8	0.0
55°	5.5	2.8	2.8	0.0
52.5°	5.5	2.8	2.8	0.0
50°	5.5	2.8	2.8	0.0
47.5°	5.5	5.5	2.8	0.0
45°	5.5	5.5	2.8	0.0
42.5°	5.5	5.5	2.8	0.0
40°	5.5	5.5	2.8	0.0
37.5°	5.5	5.5	2.8	0.0
35°	5.5	5.5	2.8	0.0
32.5°	8.3	5.5	2.8	0.0
30°	8.3	5.5	5.5	0.0
27.5°	8.3	5.5	5.5	0.0
25°	8.3	5.5	5.5	0.0
22.5°	8.3	5.5	5.5	0.0
20°	8.3	5.5	5.5	0.0
17.5°	8.3	5.5	5.5	0.0
15°	8.3	5.5	5.5	0.0
12.5°	8.3	5.5	5.5	0.0
10°	8.3	5.5	5.5	0.0
7.5°	8.3	5.5	5.5	0.0
5°	8.3	5.5	5.5	0.0
2.5°	8.3	5.5	5.5	0.0
0°	8.3	5.5	5.5	0.0
-2.5°	8.3	5.5	5.5	0.0
-5°	8.3	5.5	5.5	0.0
-7.5°	8.3	5.5	5.5	0.0
-10°	8.3	5.5	5.5	0.0
-12.5°	11.0	5.5	5.5	0.0
-15°	11.0	5.5	5.5	0.0
-17.5°	11.0	5.5	5.5	0.0
-20°	11.0	5.5	5.5	0.0

REPORT NUMBER: P723642

CATALOG NUMBER: IFLD-S-SA3E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	11.0	5.5	5.5	0.0
-25°	11.0	5.5	5.5	0.0
-27.5°	11.0	5.5	5.5	0.0
-30°	11.0	5.5	5.5	0.0
-32.5°	11.0	5.5	5.5	0.0
-35°	11.0	5.5	5.5	0.0
-37.5°	11.0	5.5	5.5	0.0
-40°	11.0	5.5	5.5	0.0
-42.5°	8.3	5.5	2.8	0.0
-45°	11.0	5.5	2.8	0.0
-47.5°	11.0	5.5	2.8	0.0
-50°	11.0	5.5	2.8	0.0
-52.5°	11.0	5.5	2.8	0.0
-55°	11.0	5.5	2.8	0.0
-57.5°	11.0	5.5	2.8	0.0
-60°	11.0	5.5	2.8	0.0
-62.5°	11.0	5.5	2.8	0.0
-65°	11.0	5.5	2.8	0.0
-67.5°	11.0	5.5	2.8	0.0
-70°	11.0	2.8	2.8	0.0
-72.5°	8.3	2.8	2.8	0.0
-75°	8.3	2.8	2.8	0.0
-77.5°	5.5	2.8	0.0	0.0
-80°	5.5	2.8	0.0	0.0
-82.5°	5.5	2.8	0.0	0.0
-85°	2.8	0.0	0.0	0.0
-87.5°	2.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)