

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: P723650

Luminaire Tested: **IFLD-M-SA4C-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723650
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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:	12587.5 lumens	Max Intensity:	296139.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	57.7 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:	4564.7 lumens	Field Lumens:	7277.1 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

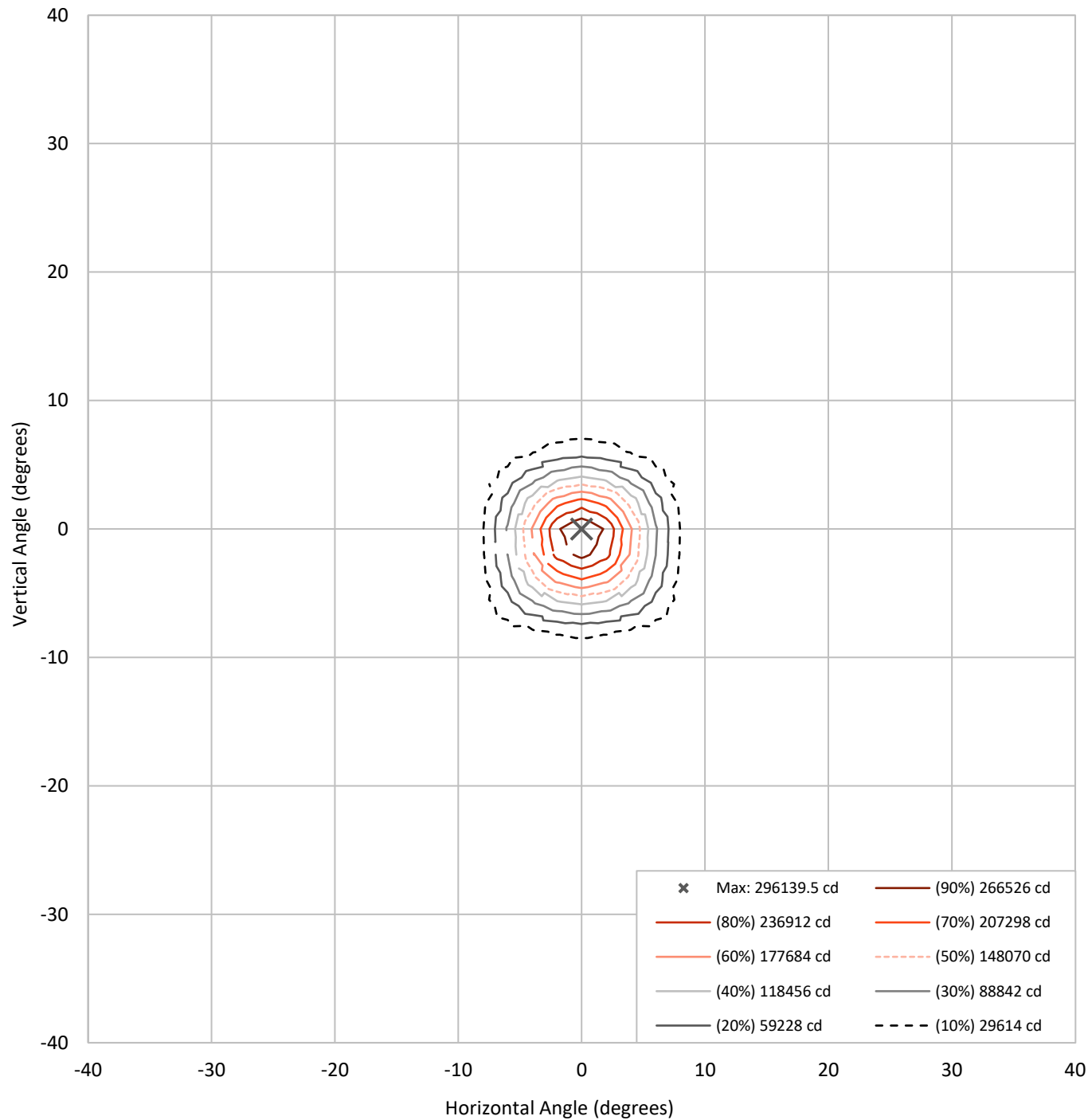
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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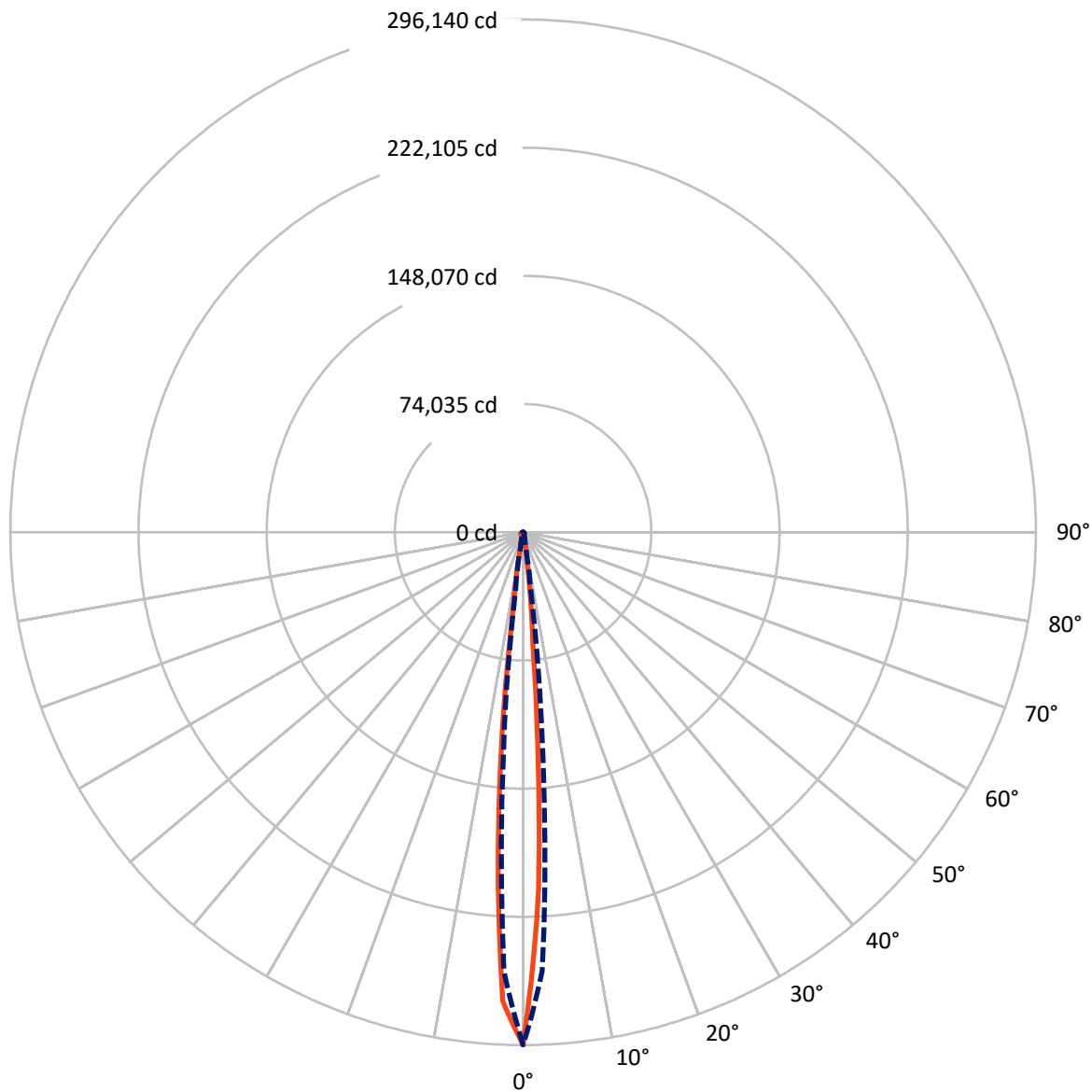
Lumen Table

Vertical Angle (degrees)																			
	0.2	2.8		3.0		1.2		0.3		1.2		3.0		2.8		0.2			
90																			
80																			
70	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			
60		0.4	0.6	1.5	3.2	5.3	6.8	7.8	7.8	6.8	5.3	3.2	1.5	0.6	0.4				
50	0.3	0.4	1.7	5.7	11.3	16.5	19.9	22.0	22.0	19.9	16.5	11.3	5.7	1.7	0.4	0.3			
40		0.8	4.4	11.8	19.1	22.5	24.3	25.1	25.1	24.3	22.5	19.1	11.8	4.4	0.8				
30	0.5	1.6	7.5	17.1	22.2	22.8	26.9	32.5	32.5	26.9	22.8	22.2	17.1	7.5	1.6	0.5			
20		2.6	10.5	21.1	23.7	26.7	46.9	79.9	79.9	46.9	26.7	23.7	21.1	10.5	2.6				
10	0.8	3.3	12.8	23.1	24.5	32.9	89.2	1652.4	1652.4	89.2	32.9	24.5	23.1	12.8	3.3	0.8			
0		3.9	14.1	24.3	25.4	34.0	96.1	2409.4	2409.4	96.1	34.0	25.4	24.3	14.1	3.9				
-10	1.2	4.2	14.4	25.6	27.5	30.7	55.8	107.2	107.2	55.8	30.7	27.5	25.6	14.4	4.2	1.2			
-20		3.9	13.7	25.9	30.9	30.9	36.2	44.1	44.1	36.2	30.9	30.9	25.9	13.7	3.9				
-30	1.3	3.5	12.1	24.8	34.0	37.0	38.6	38.9	38.9	38.6	37.0	34.0	24.8	12.1	3.5	1.3			
-40		3.0	9.7	21.0	32.8	39.8	44.7	46.8	46.8	44.7	39.8	32.8	21.0	9.7	3.0				
-50	1.1	2.8	7.5	16.3	27.9	37.5	43.6	46.1	46.1	43.6	37.5	27.9	16.3	7.5	2.8	1.1			
-60		2.6	6.6	13.3	23.3	32.8	39.7	42.9	42.9	39.7	32.8	23.3	13.3	6.6	2.6				
-70																			
-80	0.5	7.8		23.2		43.0		47.4		43.0		23.2		7.8		0.5			
-90																			
Horizontal Angle (degrees)																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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Luminous Intensity Polar Plot



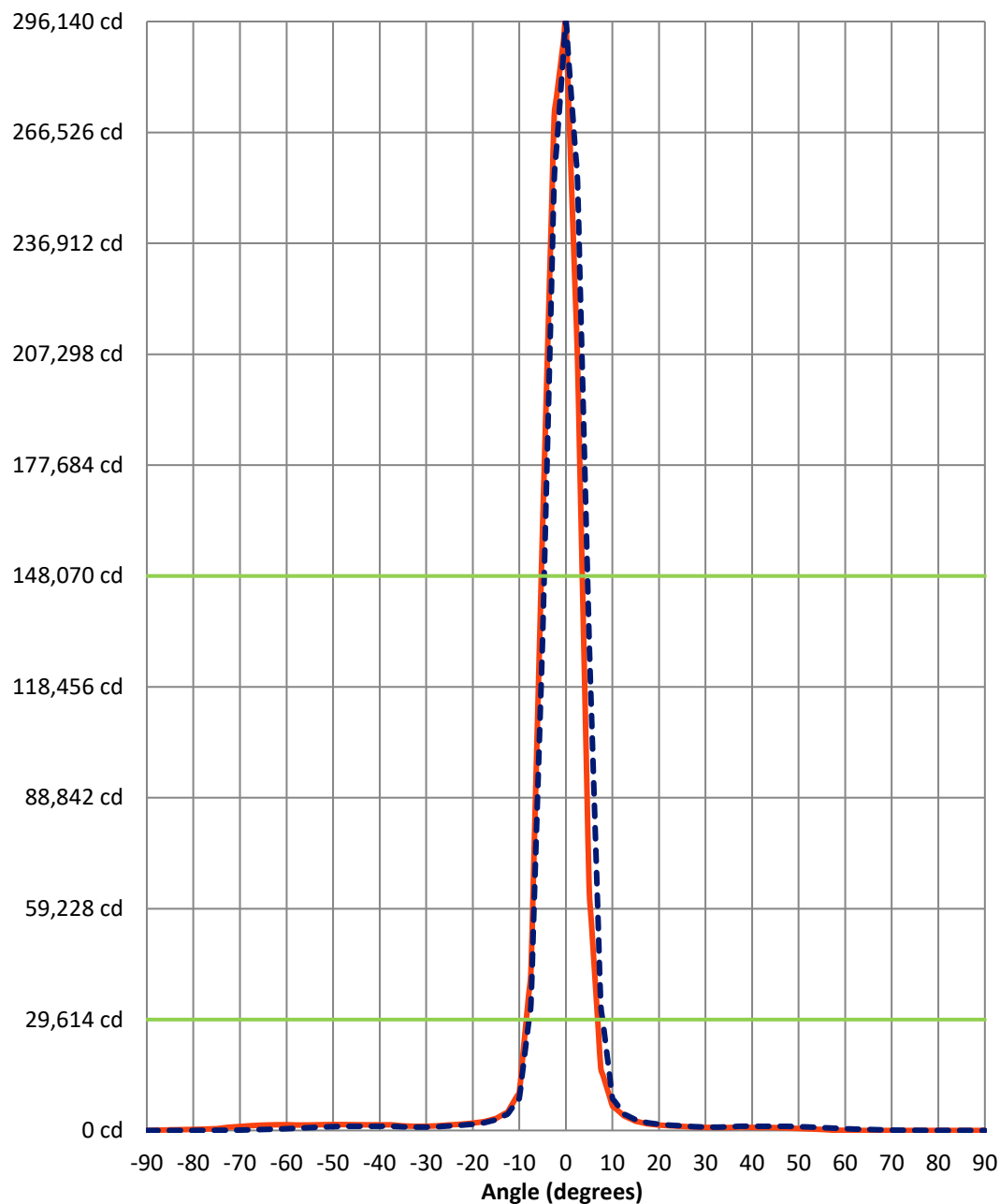
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4564.7

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7277.1

Efficiency: 57.8%

Spill:

Lumens: 5310.4

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	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
85°	0.0	2.9	2.9	5.8	5.8	5.8	8.7	11.6	14.5	14.5	17.4
82.5°	0.0	2.9	2.9	5.8	5.8	8.7	8.7	14.5	17.4	20.3	26.2
80°	2.9	2.9	2.9	5.8	5.8	8.7	8.7	11.6	14.5	20.3	23.2
77.5°	0.0	2.9	2.9	2.9	5.8	5.8	5.8	8.7	11.6	14.5	17.4
75°	0.0	2.9	2.9	2.9	5.8	5.8	5.8	5.8	8.7	8.7	11.6
72.5°	0.0	0.0	0.0	2.9	2.9	5.8	5.8	5.8	8.7	8.7	8.7
70°	0.0	0.0	0.0	2.9	2.9	5.8	5.8	5.8	8.7	8.7	8.7
67.5°	0.0	0.0	0.0	2.9	2.9	5.8	5.8	5.8	8.7	8.7	8.7
65°	0.0	0.0	0.0	2.9	2.9	5.8	5.8	8.7	8.7	8.7	8.7
62.5°	2.9	2.9	2.9	5.8	8.7	8.7	11.6	14.5	14.5	14.5	14.5
60°	29.1	32.0	34.9	34.9	32.0	32.0	34.9	34.9	34.9	34.9	34.9
57.5°	78.5	84.3	87.2	87.2	87.2	84.3	95.9	98.8	87.2	81.4	90.1
55°	273.1	281.9	276.0	267.3	249.9	229.6	223.7	220.8	223.7	209.2	186.0
52.5°	398.1	406.8	403.9	398.1	386.5	371.9	360.3	348.7	337.1	313.8	287.7
50°	517.2	520.1	517.2	511.4	499.8	485.3	462.0	435.9	412.6	406.8	383.6
47.5°	650.9	659.6	659.6	656.7	648.0	621.8	587.0	549.2	531.8	525.9	502.7
45°	770.0	775.8	778.7	781.7	778.7	752.6	720.6	700.3	662.5	650.9	650.9
42.5°	802.0	804.9	807.8	810.7	819.4	799.1	772.9	738.1	729.4	726.4	720.6
40°	813.6	807.8	810.7	813.6	816.5	802.0	781.7	761.3	755.5	749.7	749.7
37.5°	924.0	897.9	877.5	860.1	845.6	831.1	810.7	793.3	778.7	767.1	778.7
35°	787.5	787.5	807.8	825.2	842.7	860.1	863.0	842.7	810.7	796.2	816.5
32.5°	804.9	804.9	804.9	810.7	816.5	831.1	845.6	854.3	877.5	851.4	851.4
30°	822.3	825.2	831.1	834.0	825.2	819.4	813.6	813.6	828.1	865.9	886.3
27.5°	924.0	924.0	915.3	903.7	877.5	836.9	816.5	787.5	790.4	807.8	857.2
25°	1089.7	1083.9	1063.5	1034.5	988.0	929.8	874.6	813.6	787.5	778.7	799.1
22.5°	1246.6	1237.9	1211.7	1185.6	1147.8	1089.7	996.7	903.7	822.3	787.5	778.7
20°	1447.1	1426.7	1397.7	1357.0	1296.0	1237.9	1156.5	1034.5	915.3	825.2	790.4
17.5°	1769.6	1743.5	1688.3	1615.6	1511.0	1420.9	1304.7	1188.5	1054.8	909.5	831.1
15°	2475.7	2408.9	2313.0	2112.5	1906.2	1734.7	1560.4	1365.7	1229.1	1037.4	918.2
12.5°	3893.7	3710.7	3431.7	2963.9	2501.9	2103.8	1821.9	1572.0	1351.2	1173.9	1005.4
10°	6590.3	6198.0	5428.0	4149.5	3298.1	2565.8	2060.2	1726.0	1447.1	1264.0	1078.0
7.5°	16667.5	13596.1	9621.0	6570.0	4315.1	3135.3	2356.6	1871.3	1548.8	1322.1	1136.2
5°	64961.6	53512.8	28546.4	11913.7	6491.5	3792.0	2623.9	1987.6	1615.6	1365.7	1179.7
2.5°	206167.9	178039.9	93409.1	25646.4	7970.5	4271.5	2807.0	2060.2	1653.4	1397.7	1211.7
0°	296139.5	253802.3	131094.2	33730.3	8644.7	4393.5	2865.1	2074.7	1659.2	1403.5	1211.7
-2.5°	270917.3	237105.7	126636.7	31388.2	8833.6	4428.4	2911.6	2124.1	1702.8	1429.6	1220.4
-5°	160977.2	141200.5	88338.6	22380.3	7848.5	4111.7	2789.5	2080.5	1673.7	1415.1	1214.6
-7.5°	42412.7	36717.4	24152.8	11678.3	5079.3	3478.2	2562.9	2007.9	1636.0	1389.0	1191.4
-10°	10225.4	9690.8	8656.3	5306.0	3954.8	2905.8	2272.3	1877.1	1560.4	1354.1	1153.6
-12.5°	4931.1	4814.9	4370.3	3603.2	2934.8	2414.7	2057.3	1740.6	1490.7	1293.1	1101.3
-15°	3208.0	3141.1	2990.0	2696.6	2356.6	2106.7	1856.8	1601.1	1403.5	1203.0	1057.7
-17.5°	2374.0	2371.1	2295.6	2185.1	2016.6	1830.6	1647.6	1484.9	1293.1	1121.6	1011.2
-20°	1967.2	1967.2	1923.6	1851.0	1731.8	1609.8	1487.8	1336.7	1179.7	1051.9	1005.4

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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°	1670.8	1673.7	1650.5	1604.0	1540.1	1438.4	1319.2	1197.2	1083.9	1037.4	1022.8
-25°	1479.0	1473.2	1447.1	1403.5	1336.7	1255.3	1176.8	1095.5	1063.5	1051.9	1072.2
-27.5°	1252.4	1261.1	1249.5	1229.1	1185.6	1127.4	1110.0	1086.8	1092.6	1110.0	1188.5
-30°	1118.7	1127.4	1139.1	1147.8	1133.3	1118.7	1124.5	1142.0	1179.7	1246.6	1275.6
-32.5°	1118.7	1121.6	1139.1	1156.5	1165.2	1176.8	1208.8	1266.9	1322.1	1304.7	1298.9
-35°	1220.4	1211.7	1235.0	1258.2	1290.2	1330.8	1365.7	1354.1	1333.8	1327.9	1333.8
-37.5°	1511.0	1455.8	1432.5	1418.0	1409.3	1403.5	1394.8	1386.1	1377.3	1371.5	1380.2
-40°	1508.1	1493.6	1479.0	1467.4	1458.7	1447.1	1441.3	1438.4	1429.6	1423.8	1418.0
-42.5°	1502.3	1508.1	1508.1	1505.2	1508.1	1505.2	1496.5	1484.9	1470.3	1458.7	1447.1
-45°	1545.9	1548.8	1554.6	1560.4	1569.1	1557.5	1540.1	1519.7	1499.4	1481.9	1467.4
-47.5°	1572.0	1574.9	1580.7	1589.5	1595.3	1583.6	1560.4	1534.3	1502.3	1473.2	1444.2
-50°	1580.7	1589.5	1592.4	1592.4	1589.5	1574.9	1540.1	1502.3	1467.4	1438.4	1412.2
-52.5°	1540.1	1548.8	1551.7	1545.9	1543.0	1528.4	1496.5	1461.6	1423.8	1403.5	1380.2
-55°	1473.2	1484.9	1493.6	1493.6	1493.6	1490.7	1461.6	1429.6	1400.6	1377.3	1354.1
-57.5°	1447.1	1467.4	1484.9	1487.8	1490.7	1493.6	1473.2	1441.3	1406.4	1371.5	1342.5
-60°	1543.0	1560.4	1569.1	1557.5	1548.8	1540.1	1508.1	1470.3	1435.5	1400.6	1345.4
-62.5°	1516.8	1545.9	1560.4	1551.7	1540.1	1525.5	1490.7	1447.1	1406.4	1368.6	1313.4
-65°	1432.5	1458.7	1476.1	1461.6	1444.2	1423.8	1391.9	1351.2	1313.4	1275.6	1226.2
-67.5°	1290.2	1327.9	1357.0	1325.0	1301.8	1275.6	1249.5	1214.6	1176.8	1133.3	1086.8
-70°	1066.4	1095.5	1121.6	1112.9	1107.1	1101.3	1083.9	1049.0	1017.0	982.2	941.5
-72.5°	857.2	883.4	906.6	892.1	880.5	863.0	836.9	799.1	761.3	723.5	685.8
-75°	473.6	482.4	491.1	488.2	488.2	488.2	488.2	491.1	485.3	476.5	459.1
-77.5°	363.2	374.8	383.6	389.4	398.1	409.7	418.4	403.9	389.4	374.8	357.4
-80°	284.8	296.4	305.1	337.1	360.3	386.5	403.9	383.6	363.2	345.8	331.3
-82.5°	215.0	223.7	232.5	249.9	261.5	276.0	287.7	287.7	284.8	281.9	273.1
-85°	156.9	168.5	180.2	186.0	194.7	194.7	197.6	186.0	174.3	165.6	154.0
-87.5°	90.1	93.0	93.0	93.0	95.9	95.9	95.9	90.1	87.2	81.4	78.5
-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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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°	2.9	2.9	2.9	5.8	5.8	8.7	8.7	11.6	11.6	14.5	14.5
85°	17.4	17.4	17.4	20.3	20.3	23.2	26.2	29.1	32.0	32.0	34.9
82.5°	29.1	32.0	34.9	37.8	40.7	43.6	46.5	49.4	58.1	63.9	66.8
80°	29.1	32.0	40.7	46.5	52.3	58.1	58.1	58.1	58.1	61.0	66.8
77.5°	20.3	23.2	26.2	32.0	46.5	58.1	66.8	72.6	66.8	63.9	58.1
75°	11.6	14.5	17.4	20.3	29.1	40.7	55.2	69.7	81.4	78.5	72.6
72.5°	11.6	11.6	14.5	17.4	20.3	23.2	26.2	40.7	58.1	72.6	81.4
70°	11.6	14.5	14.5	17.4	20.3	23.2	26.2	32.0	40.7	58.1	75.6
67.5°	11.6	14.5	14.5	20.3	26.2	29.1	32.0	29.1	26.2	37.8	55.2
65°	11.6	11.6	14.5	17.4	20.3	23.2	32.0	32.0	29.1	29.1	29.1
62.5°	17.4	17.4	17.4	17.4	20.3	20.3	20.3	26.2	26.2	26.2	26.2
60°	34.9	32.0	32.0	32.0	32.0	26.2	26.2	26.2	23.2	26.2	23.2
57.5°	84.3	69.7	63.9	63.9	55.2	52.3	43.6	32.0	32.0	26.2	26.2
55°	171.4	162.7	136.6	113.3	101.7	90.1	69.7	58.1	43.6	34.9	32.0
52.5°	264.4	241.2	217.9	188.9	159.8	136.6	116.2	90.1	72.6	52.3	40.7
50°	345.8	325.4	299.3	267.3	229.6	200.5	171.4	136.6	107.5	81.4	58.1
47.5°	470.7	430.1	398.1	360.3	316.7	276.0	238.3	197.6	151.1	119.1	90.1
45°	604.4	546.3	502.7	467.8	409.7	354.5	310.9	267.3	212.1	156.9	122.0
42.5°	697.4	653.8	595.7	549.2	496.9	438.8	380.7	334.2	276.0	212.1	156.9
40°	746.8	717.7	671.2	630.6	575.3	511.4	450.4	403.9	342.9	273.1	197.6
37.5°	784.6	770.0	746.8	714.8	662.5	587.0	525.9	470.7	418.4	337.1	255.7
35°	828.1	825.2	810.7	796.2	752.6	680.0	607.3	543.4	479.5	403.9	313.8
32.5°	868.8	865.9	857.2	851.4	834.0	770.0	691.6	618.9	546.3	467.8	369.0
30°	889.2	883.4	883.4	889.2	871.7	831.1	772.9	694.5	613.1	520.1	427.1
27.5°	889.2	883.4	886.3	895.0	892.1	871.7	828.1	764.2	674.1	569.5	479.5
25°	851.4	880.5	880.5	892.1	895.0	889.2	865.9	825.2	732.3	621.8	520.1
22.5°	799.1	868.8	895.0	892.1	895.0	909.5	912.4	874.6	787.5	674.1	560.8
20°	799.1	848.5	924.0	903.7	909.5	941.5	956.0	924.0	845.6	723.5	601.5
17.5°	816.5	848.5	912.4	944.4	953.1	979.2	1002.5	982.2	897.9	775.8	656.7
15°	865.9	860.1	903.7	982.2	996.7	1017.0	1043.2	1019.9	944.4	834.0	709.0
12.5°	900.8	868.8	903.7	988.0	1034.5	1054.8	1063.5	1046.1	985.1	886.3	761.3
10°	947.3	892.1	909.5	982.2	1049.0	1063.5	1072.2	1066.4	1022.8	929.8	807.8
7.5°	982.2	903.7	903.7	973.4	1063.5	1075.1	1080.9	1086.8	1054.8	967.6	848.5
5°	996.7	903.7	897.9	964.7	1078.0	1089.7	1089.7	1098.4	1078.0	996.7	877.5
2.5°	999.6	900.8	892.1	958.9	1104.2	1104.2	1098.4	1107.1	1095.5	1014.1	897.9
0°	1014.1	897.9	889.2	967.6	1133.3	1121.6	1107.1	1110.0	1104.2	1022.8	909.5
-2.5°	1014.1	912.4	900.8	973.4	1130.3	1127.4	1121.6	1124.5	1118.7	1049.0	932.8
-5°	1028.6	932.8	921.1	999.6	1127.4	1136.2	1139.1	1139.1	1130.3	1066.4	947.3
-7.5°	1031.6	947.3	944.4	1025.7	1133.3	1147.8	1156.5	1162.3	1144.9	1078.0	958.9
-10°	1017.0	953.1	967.6	1057.7	1139.1	1159.4	1176.8	1185.6	1156.5	1083.9	964.7
-12.5°	985.1	953.1	990.9	1098.4	1153.6	1176.8	1203.0	1205.9	1168.1	1086.8	967.6
-15°	982.2	976.3	1031.6	1139.1	1162.3	1191.4	1232.0	1223.3	1176.8	1086.8	967.6
-17.5°	979.2	1008.3	1092.6	1153.6	1176.8	1208.8	1240.8	1232.0	1182.7	1086.8	961.8
-20°	1005.4	1060.6	1165.2	1168.1	1194.3	1229.1	1246.6	1229.1	1173.9	1078.0	953.1

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CATALOG NUMBER: IFLD-M-SA4C-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°	1049.0	1153.6	1188.5	1200.1	1223.3	1249.5	1258.2	1232.0	1165.2	1063.5	938.6
-25°	1159.4	1211.7	1211.7	1237.9	1261.1	1272.7	1264.0	1235.0	1153.6	1049.0	924.0
-27.5°	1243.7	1240.8	1255.3	1281.4	1301.8	1301.8	1278.5	1220.4	1136.2	1034.5	903.7
-30°	1275.6	1278.5	1298.9	1327.9	1333.8	1319.2	1284.4	1208.8	1121.6	1011.2	877.5
-32.5°	1307.6	1319.2	1345.4	1359.9	1362.8	1333.8	1269.8	1188.5	1098.4	985.1	848.5
-35°	1345.4	1368.6	1383.2	1386.1	1371.5	1322.1	1249.5	1162.3	1063.5	947.3	822.3
-37.5°	1394.8	1406.4	1415.1	1403.5	1362.8	1304.7	1214.6	1127.4	1031.6	906.6	784.6
-40°	1426.7	1432.5	1435.5	1397.7	1348.3	1264.0	1176.8	1086.8	976.3	860.1	743.9
-42.5°	1447.1	1441.3	1418.0	1377.3	1304.7	1223.3	1139.1	1037.4	926.9	813.6	700.3
-45°	1441.3	1420.9	1386.1	1336.7	1261.1	1179.7	1080.9	979.2	874.6	764.2	650.9
-47.5°	1418.0	1386.1	1342.5	1284.4	1214.6	1115.8	1017.0	918.2	816.5	709.0	604.4
-50°	1389.0	1351.2	1298.9	1226.2	1133.3	1043.2	953.1	857.2	752.6	653.8	560.8
-52.5°	1357.0	1316.3	1249.5	1168.1	1066.4	973.4	886.3	793.3	697.4	604.4	523.0
-55°	1322.1	1281.4	1205.9	1112.9	1011.2	909.5	825.2	746.8	653.8	563.7	491.1
-57.5°	1304.7	1252.4	1173.9	1080.9	973.4	868.8	796.2	711.9	627.6	534.7	464.9
-60°	1290.2	1237.9	1165.2	1057.7	956.0	857.2	772.9	691.6	601.5	514.3	444.6
-62.5°	1249.5	1194.3	1127.4	1022.8	924.0	834.0	758.4	662.5	575.3	494.0	430.1
-65°	1168.1	1110.0	1051.9	958.9	868.8	784.6	709.0	621.8	540.5	470.7	415.5
-67.5°	1040.3	990.9	938.6	860.1	784.6	709.0	639.3	563.7	496.9	447.5	418.4
-70°	897.9	845.6	793.3	729.4	665.4	604.4	549.2	494.0	450.4	424.2	401.0
-72.5°	653.8	630.6	604.4	555.0	502.7	464.9	438.8	415.5	383.6	360.3	345.8
-75°	435.9	403.9	363.2	345.8	348.7	342.9	328.4	310.9	296.4	287.7	267.3
-77.5°	340.0	322.5	302.2	281.9	273.1	264.4	252.8	238.3	226.7	206.3	177.3
-80°	313.8	299.3	284.8	270.2	255.7	235.4	212.1	188.9	177.3	168.5	165.6
-82.5°	258.6	241.2	223.7	209.2	188.9	174.3	159.8	148.2	148.2	145.3	142.4
-85°	148.2	142.4	133.7	127.9	122.0	113.3	104.6	98.8	95.9	93.0	90.1
-87.5°	75.6	72.6	66.8	63.9	61.0	58.1	52.3	49.4	46.5	46.5	43.6
-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-M-SA4C-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°	14.5	14.5	11.6	11.6	11.6	8.7	5.8	5.8	2.9	2.9	0.0
85°	34.9	29.1	26.2	23.2	23.2	17.4	11.6	8.7	5.8	2.9	2.9
82.5°	66.8	58.1	49.4	43.6	34.9	26.2	20.3	14.5	8.7	5.8	2.9
80°	75.6	75.6	72.6	61.0	49.4	37.8	26.2	17.4	11.6	8.7	5.8
77.5°	58.1	63.9	63.9	63.9	61.0	46.5	32.0	20.3	11.6	8.7	5.8
75°	66.8	58.1	55.2	58.1	55.2	46.5	37.8	23.2	14.5	11.6	5.8
72.5°	81.4	69.7	61.0	58.1	52.3	43.6	34.9	26.2	14.5	11.6	8.7
70°	75.6	72.6	66.8	61.0	52.3	43.6	34.9	26.2	17.4	11.6	8.7
67.5°	66.8	66.8	66.8	61.0	52.3	40.7	32.0	23.2	17.4	11.6	8.7
65°	46.5	55.2	61.0	58.1	52.3	40.7	32.0	23.2	17.4	14.5	8.7
62.5°	29.1	37.8	49.4	55.2	49.4	40.7	29.1	23.2	17.4	14.5	8.7
60°	26.2	29.1	34.9	43.6	46.5	37.8	29.1	20.3	17.4	14.5	8.7
57.5°	26.2	26.2	29.1	34.9	37.8	34.9	26.2	17.4	17.4	14.5	11.6
55°	29.1	26.2	26.2	29.1	32.0	32.0	26.2	17.4	17.4	14.5	11.6
52.5°	34.9	29.1	26.2	26.2	26.2	29.1	23.2	17.4	17.4	14.5	11.6
50°	43.6	34.9	32.0	26.2	26.2	26.2	23.2	17.4	14.5	14.5	11.6
47.5°	58.1	46.5	34.9	32.0	26.2	23.2	20.3	17.4	14.5	14.5	11.6
45°	87.2	55.2	46.5	34.9	29.1	26.2	23.2	17.4	14.5	14.5	11.6
42.5°	119.1	81.4	58.1	40.7	32.0	26.2	23.2	20.3	14.5	14.5	11.6
40°	151.1	110.4	72.6	52.3	37.8	29.1	23.2	20.3	17.4	14.5	11.6
37.5°	186.0	136.6	95.9	66.8	43.6	32.0	26.2	20.3	17.4	14.5	11.6
35°	229.6	171.4	119.1	81.4	52.3	37.8	29.1	20.3	17.4	14.5	11.6
32.5°	279.0	203.4	142.4	98.8	66.8	46.5	32.0	23.2	17.4	14.5	11.6
30°	325.4	241.2	168.5	119.1	81.4	52.3	34.9	23.2	17.4	14.5	8.7
27.5°	371.9	279.0	200.5	139.5	98.8	61.0	37.8	26.2	17.4	14.5	11.6
25°	418.4	316.7	232.5	159.8	113.3	72.6	46.5	29.1	17.4	14.5	11.6
22.5°	459.1	354.5	261.5	183.1	130.8	84.3	52.3	32.0	20.3	14.5	11.6
20°	505.6	395.2	293.5	209.2	145.3	95.9	58.1	34.9	20.3	14.5	11.6
17.5°	549.2	435.9	325.4	232.5	162.7	107.5	66.8	37.8	23.2	14.5	11.6
15°	592.8	473.6	354.5	255.7	180.2	119.1	72.6	40.7	26.2	14.5	11.6
12.5°	633.5	508.5	380.7	276.0	194.7	130.8	78.5	43.6	29.1	14.5	11.6
10°	671.2	540.5	406.8	293.5	209.2	139.5	84.3	49.4	32.0	14.5	11.6
7.5°	709.0	566.6	427.1	310.9	226.7	151.1	90.1	52.3	34.9	17.4	11.6
5°	732.3	589.9	444.6	325.4	241.2	162.7	95.9	55.2	37.8	17.4	11.6
2.5°	752.6	607.3	456.2	340.0	255.7	171.4	95.9	58.1	40.7	17.4	11.6
0°	764.2	618.9	464.9	348.7	267.3	177.3	98.8	61.0	43.6	17.4	11.6
-2.5°	790.4	639.3	485.3	360.3	279.0	194.7	104.6	63.9	46.5	20.3	11.6
-5°	807.8	650.9	499.8	371.9	287.7	212.1	113.3	69.7	52.3	26.2	14.5
-7.5°	822.3	662.5	511.4	377.8	296.4	217.9	116.2	72.6	55.2	29.1	14.5
-10°	825.2	668.3	520.1	386.5	302.2	226.7	119.1	75.6	58.1	32.0	14.5
-12.5°	828.1	674.1	523.0	392.3	308.0	232.5	122.0	78.5	61.0	34.9	14.5
-15°	825.2	671.2	523.0	398.1	310.9	226.7	127.9	81.4	63.9	37.8	14.5
-17.5°	819.4	668.3	520.1	395.2	308.0	220.8	130.8	87.2	63.9	40.7	17.4
-20°	810.7	659.6	514.3	392.3	305.1	215.0	133.7	90.1	66.8	40.7	17.4



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CATALOG NUMBER: IFLD-M-SA4C-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°	796.2	645.1	502.7	383.6	299.3	209.2	133.7	95.9	69.7	40.7	17.4
-25°	778.7	630.6	491.1	371.9	290.6	200.5	133.7	98.8	72.6	40.7	17.4
-27.5°	758.4	616.0	473.6	363.2	279.0	194.7	133.7	101.7	75.6	40.7	17.4
-30°	735.2	595.7	459.1	348.7	270.2	194.7	136.6	104.6	78.5	40.7	17.4
-32.5°	711.9	575.3	441.7	337.1	258.6	191.8	136.6	107.5	81.4	37.8	20.3
-35°	685.8	552.1	427.1	328.4	249.9	186.0	139.5	107.5	78.5	37.8	20.3
-37.5°	653.8	523.0	412.6	319.6	244.1	180.2	139.5	110.4	75.6	37.8	20.3
-40°	618.9	499.8	395.2	308.0	235.4	177.3	139.5	110.4	72.6	37.8	23.2
-42.5°	581.2	473.6	377.8	296.4	226.7	174.3	139.5	110.4	69.7	37.8	23.2
-45°	546.3	447.5	357.4	281.9	217.9	174.3	139.5	107.5	63.9	40.7	23.2
-47.5°	508.5	418.4	334.2	267.3	215.0	171.4	136.6	101.7	58.1	40.7	23.2
-50°	476.5	389.4	316.7	252.8	209.2	174.3	139.5	93.0	58.1	40.7	23.2
-52.5°	444.6	369.0	296.4	247.0	203.4	177.3	136.6	87.2	58.1	40.7	23.2
-55°	418.4	348.7	284.8	238.3	209.2	183.1	130.8	78.5	58.1	40.7	23.2
-57.5°	398.1	337.1	276.0	241.2	217.9	177.3	122.0	75.6	58.1	37.8	23.2
-60°	383.6	325.4	279.0	252.8	220.8	168.5	116.2	75.6	58.1	37.8	20.3
-62.5°	371.9	328.4	293.5	261.5	209.2	156.9	110.4	75.6	52.3	34.9	20.3
-65°	374.8	340.0	299.3	249.9	200.5	145.3	101.7	72.6	49.4	32.0	20.3
-67.5°	383.6	331.3	281.9	235.4	180.2	130.8	93.0	66.8	46.5	32.0	20.3
-70°	354.5	305.1	255.7	200.5	154.0	113.3	87.2	61.0	40.7	29.1	20.3
-72.5°	319.6	255.7	203.4	162.7	130.8	104.6	78.5	55.2	37.8	26.2	17.4
-75°	232.5	186.0	151.1	136.6	116.2	93.0	69.7	49.4	34.9	26.2	17.4
-77.5°	165.6	154.0	139.5	124.9	104.6	81.4	61.0	46.5	32.0	23.2	14.5
-80°	162.7	148.2	130.8	107.5	87.2	69.7	52.3	40.7	29.1	20.3	11.6
-82.5°	136.6	116.2	98.8	81.4	66.8	55.2	43.6	32.0	23.2	14.5	8.7
-85°	84.3	72.6	63.9	55.2	46.5	37.8	29.1	20.3	14.5	8.7	5.8
-87.5°	40.7	37.8	32.0	26.2	23.2	17.4	14.5	11.6	8.7	5.8	2.9
-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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CATALOG NUMBER: IFLD-M-SA4C-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°	2.9	0.0	0.0	0.0
80°	2.9	0.0	0.0	0.0
77.5°	2.9	0.0	0.0	0.0
75°	2.9	2.9	0.0	0.0
72.5°	2.9	2.9	0.0	0.0
70°	5.8	2.9	2.9	0.0
67.5°	5.8	2.9	2.9	0.0
65°	5.8	2.9	2.9	0.0
62.5°	5.8	2.9	2.9	0.0
60°	5.8	2.9	2.9	0.0
57.5°	5.8	2.9	2.9	0.0
55°	5.8	2.9	2.9	0.0
52.5°	5.8	2.9	2.9	0.0
50°	5.8	2.9	2.9	0.0
47.5°	5.8	5.8	2.9	0.0
45°	5.8	5.8	2.9	0.0
42.5°	5.8	5.8	2.9	0.0
40°	5.8	5.8	2.9	0.0
37.5°	5.8	5.8	2.9	0.0
35°	5.8	5.8	2.9	0.0
32.5°	8.7	5.8	2.9	0.0
30°	8.7	5.8	5.8	0.0
27.5°	8.7	5.8	5.8	0.0
25°	8.7	5.8	5.8	0.0
22.5°	8.7	5.8	5.8	0.0
20°	8.7	5.8	5.8	0.0
17.5°	8.7	5.8	5.8	0.0
15°	8.7	5.8	5.8	0.0
12.5°	8.7	5.8	5.8	0.0
10°	8.7	5.8	5.8	0.0
7.5°	8.7	5.8	5.8	0.0
5°	8.7	5.8	5.8	0.0
2.5°	8.7	5.8	5.8	0.0
0°	8.7	5.8	5.8	0.0
-2.5°	8.7	5.8	5.8	0.0
-5°	8.7	5.8	5.8	0.0
-7.5°	8.7	5.8	5.8	0.0
-10°	8.7	5.8	5.8	0.0
-12.5°	11.6	5.8	5.8	0.0
-15°	11.6	5.8	5.8	0.0
-17.5°	11.6	5.8	5.8	0.0
-20°	11.6	5.8	5.8	0.0

REPORT NUMBER: P723650

CATALOG NUMBER: IFLD-M-SA4C-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	11.6	5.8	5.8	0.0
-25°	11.6	5.8	5.8	0.0
-27.5°	11.6	5.8	5.8	0.0
-30°	11.6	5.8	5.8	0.0
-32.5°	11.6	5.8	5.8	0.0
-35°	11.6	5.8	5.8	0.0
-37.5°	11.6	5.8	5.8	0.0
-40°	11.6	5.8	5.8	0.0
-42.5°	8.7	5.8	2.9	0.0
-45°	11.6	5.8	2.9	0.0
-47.5°	11.6	5.8	2.9	0.0
-50°	11.6	5.8	2.9	0.0
-52.5°	11.6	5.8	2.9	0.0
-55°	11.6	5.8	2.9	0.0
-57.5°	11.6	5.8	2.9	0.0
-60°	11.6	5.8	2.9	0.0
-62.5°	11.6	5.8	2.9	0.0
-65°	11.6	5.8	2.9	0.0
-67.5°	11.6	5.8	2.9	0.0
-70°	11.6	2.9	2.9	0.0
-72.5°	8.7	2.9	2.9	0.0
-75°	8.7	2.9	2.9	0.0
-77.5°	5.8	2.9	0.0	0.0
-80°	5.8	2.9	0.0	0.0
-82.5°	5.8	2.9	0.0	0.0
-85°	2.9	0.0	0.0	0.0
-87.5°	2.9	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)