

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: P723825

Luminaire Tested: **IFLD-M-SA4D-827-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723825
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-827-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	12174.2 lumens	Max Intensity:	286417.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.8 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:	4414.9 lumens	Field Lumens:	7038.2 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

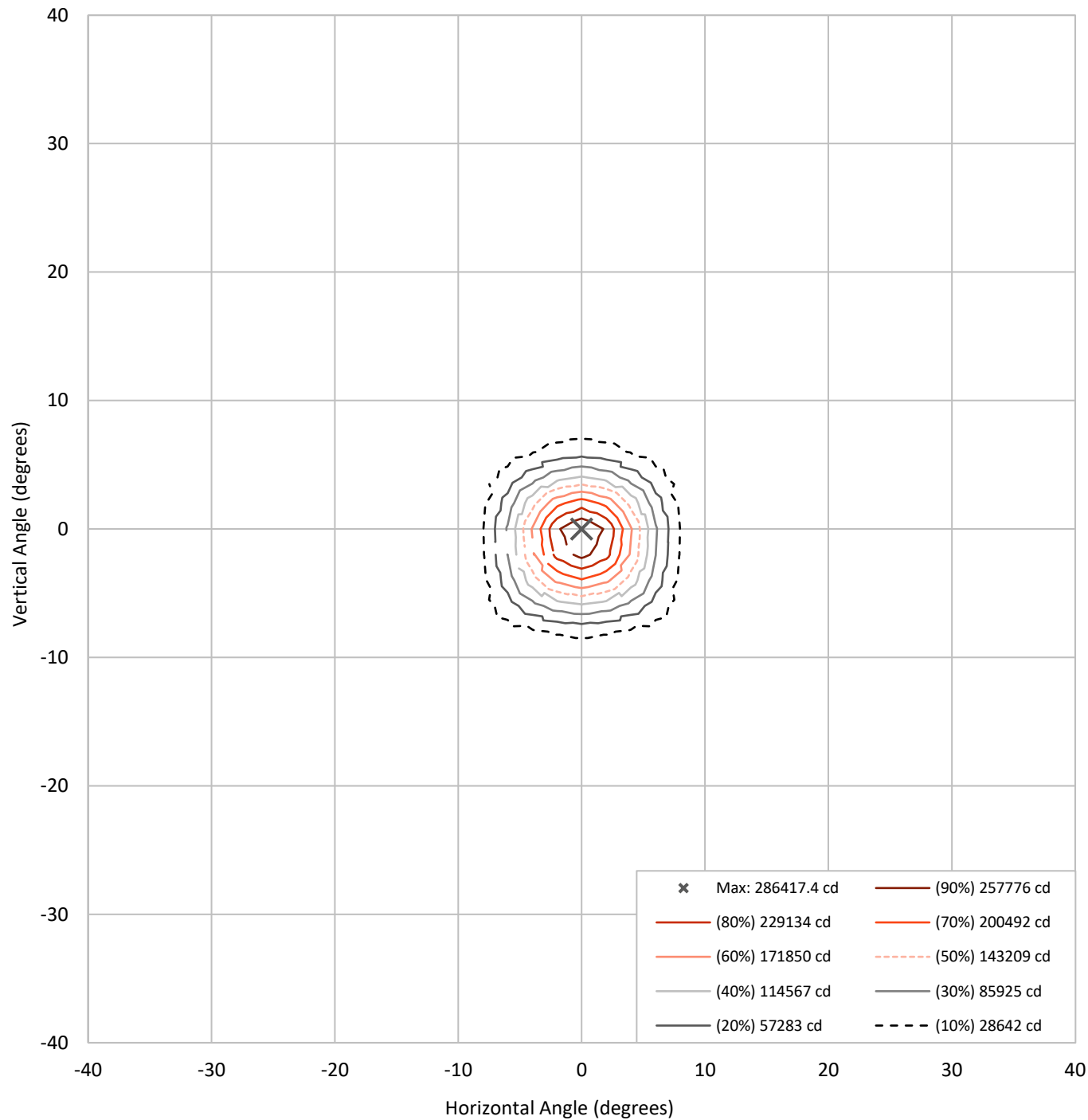
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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Lumen Table

90																
80	0.2	2.7		2.9		1.1		0.3		1.1		2.9		2.7		0.2
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	1.4	3.1	5.1	6.6	7.6	7.6	6.6	5.1	3.1	1.4	0.6	0.4	
50	0.3	0.4	1.7	5.5	10.9	16.0	19.2	21.3	21.3	19.2	16.0	10.9	5.5	1.7	0.4	0.3
40		0.8	4.2	11.4	18.5	21.7	23.5	24.3	24.3	23.5	21.7	18.5	11.4	4.2	0.8	
30	0.5	1.6	7.2	16.6	21.5	22.1	26.1	31.4	31.4	26.1	22.1	21.5	16.6	7.2	1.6	0.5
20		2.5	10.1	20.4	22.9	25.8	45.3	77.3	77.3	45.3	25.8	22.9	20.4	10.1	2.5	
10	0.8	3.2	12.4	22.4	23.7	31.9	86.2	1598.2	1598.2	86.2	31.9	23.7	22.4	12.4	3.2	0.8
0		3.8	13.6	23.5	24.6	32.9	92.9	2330.3	2330.3	92.9	32.9	24.6	23.5	13.6	3.8	
-10	1.2	4.0	13.9	24.7	26.6	29.7	54.0	103.7	103.7	54.0	29.7	26.6	24.7	13.9	4.0	1.2
-20		3.8	13.2	25.1	29.9	29.9	35.0	42.7	42.7	35.0	29.9	29.9	25.1	13.2	3.8	
-30	1.3	3.4	11.7	24.0	32.9	35.8	37.3	37.6	37.6	37.3	35.8	32.9	24.0	11.7	3.4	1.3
-40		2.9	9.4	20.3	31.7	38.5	43.2	45.3	45.3	43.2	38.5	31.7	20.3	9.4	2.9	
-50	1.0	2.7	7.3	15.8	27.0	36.3	42.2	44.6	44.6	42.2	36.3	27.0	15.8	7.3	2.7	1.0
-60		2.5	6.4	12.9	22.6	31.7	38.4	41.5	41.5	38.4	31.7	22.6	12.9	6.4	2.5	
-70	0.5	7.5		22.4		41.5		45.9		41.5		22.4		7.5		0.5
-80																
-90																

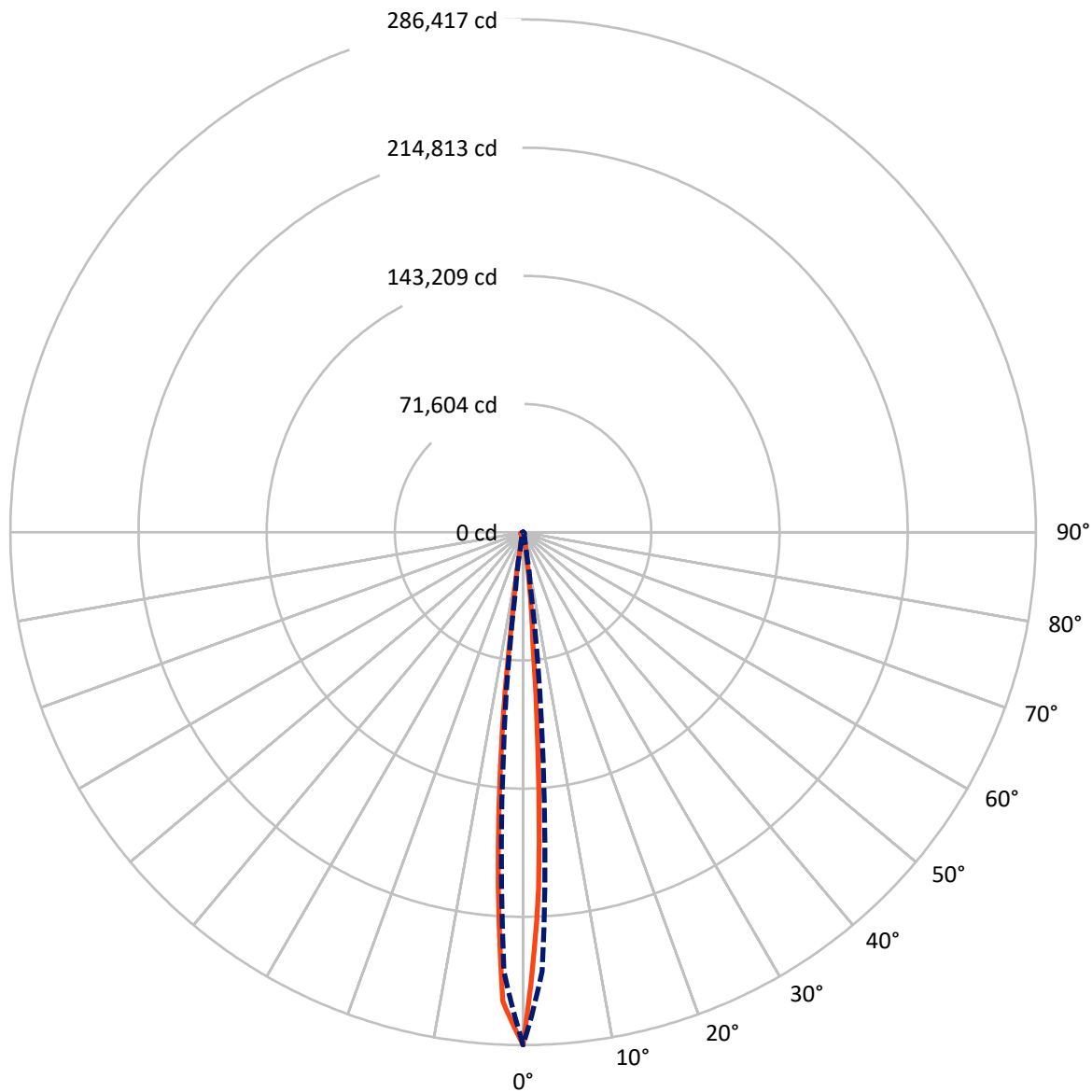
Horizontal Angle (degrees)

9080706050403020100-10-20-30-40-50-60-70-80-90

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Luminous Intensity Polar Plot



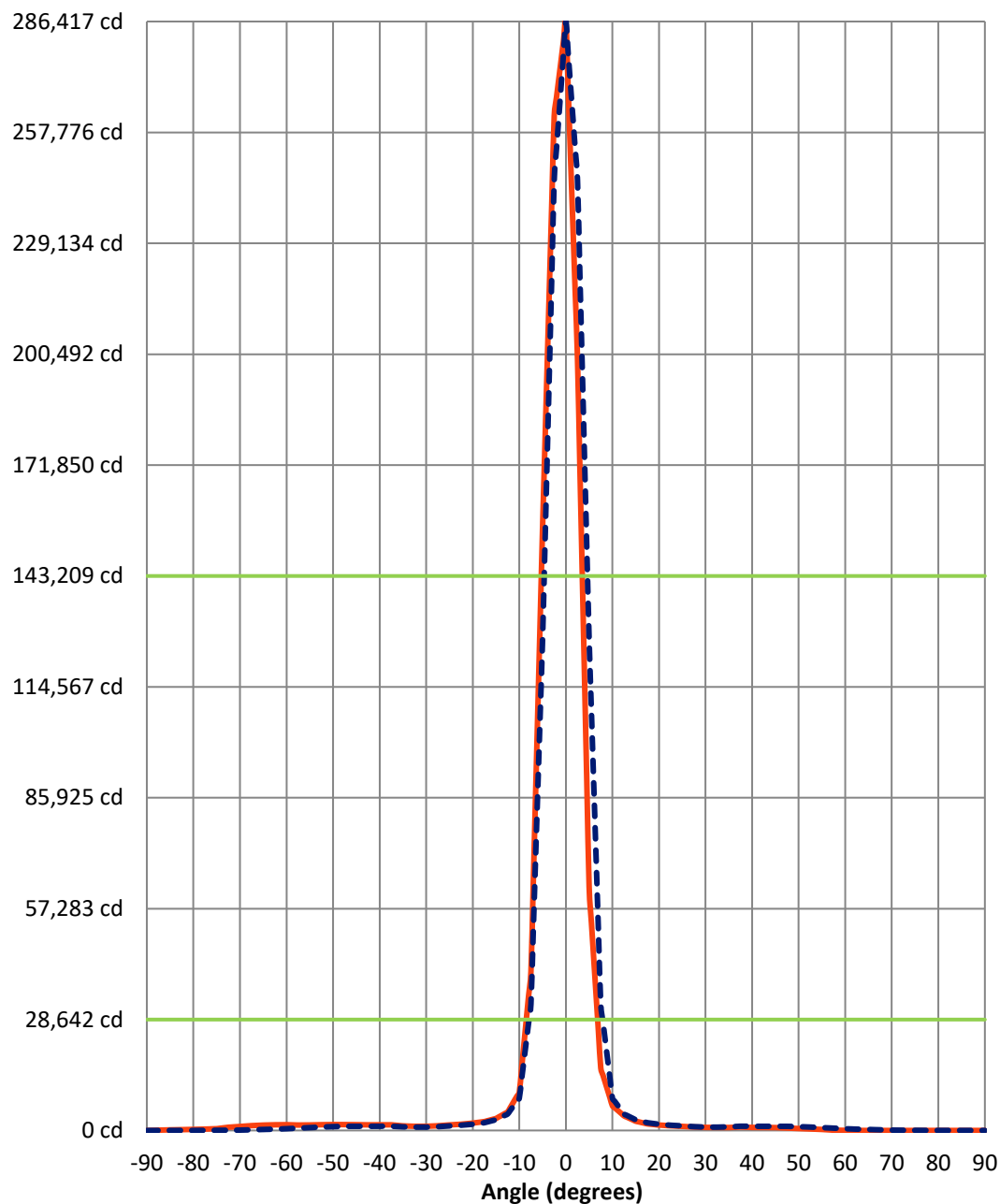
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4414.9

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7038.2

Efficiency: 57.8%

Spill:

Lumens: 5136.1

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	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	5.6	5.6	5.6	8.4	11.2	14.1	14.1	16.9
82.5°	0.0	2.8	2.8	5.6	5.6	8.4	8.4	14.1	16.9	19.7	25.3
80°	2.8	2.8	2.8	5.6	5.6	8.4	8.4	11.2	14.1	19.7	22.5
77.5°	0.0	2.8	2.8	2.8	5.6	5.6	5.6	8.4	11.2	14.1	16.9
75°	0.0	2.8	2.8	2.8	5.6	5.6	5.6	5.6	8.4	8.4	11.2
72.5°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
70°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
67.5°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	5.6	8.4	8.4	8.4
65°	0.0	0.0	0.0	2.8	2.8	5.6	5.6	8.4	8.4	8.4	8.4
62.5°	2.8	2.8	2.8	5.6	8.4	8.4	11.2	14.1	14.1	14.1	14.1
60°	28.1	30.9	33.7	33.7	30.9	30.9	33.7	33.7	33.7	33.7	33.7
57.5°	75.9	81.5	84.3	84.3	84.3	81.5	92.7	95.6	84.3	78.7	87.1
55°	264.2	272.6	267.0	258.6	241.7	222.0	216.4	213.6	216.4	202.3	179.9
52.5°	385.0	393.5	390.6	385.0	373.8	359.7	348.5	337.2	326.0	303.5	278.2
50°	500.2	503.1	500.2	494.6	483.4	469.3	446.9	421.6	399.1	393.5	371.0
47.5°	629.5	638.0	638.0	635.1	626.7	601.4	567.7	531.2	514.3	508.7	486.2
45°	744.8	750.4	753.2	756.0	753.2	727.9	697.0	677.3	640.8	629.5	629.5
42.5°	775.7	778.5	781.3	784.1	792.5	772.9	747.6	713.8	705.4	702.6	697.0
40°	786.9	781.3	784.1	786.9	789.7	775.7	756.0	736.3	730.7	725.1	725.1
37.5°	893.7	868.4	848.7	831.9	817.8	803.8	784.1	767.2	753.2	741.9	753.2
35°	761.6	761.6	781.3	798.1	815.0	831.9	834.7	815.0	784.1	770.0	789.7
32.5°	778.5	778.5	778.5	784.1	789.7	803.8	817.8	826.3	848.7	823.4	823.4
30°	795.3	798.1	803.8	806.6	798.1	792.5	786.9	786.9	801.0	837.5	857.2
27.5°	893.7	893.7	885.3	874.0	848.7	809.4	789.7	761.6	764.4	781.3	829.1
25°	1053.9	1048.3	1028.6	1000.5	955.5	899.3	845.9	786.9	761.6	753.2	772.9
22.5°	1205.7	1197.2	1171.9	1146.6	1110.1	1053.9	964.0	874.0	795.3	761.6	753.2
20°	1399.6	1379.9	1351.8	1312.4	1253.4	1197.2	1118.5	1000.5	885.3	798.1	764.4
17.5°	1711.5	1686.2	1632.8	1562.6	1461.4	1374.3	1261.9	1149.4	1020.2	879.6	803.8
15°	2394.4	2329.8	2237.1	2043.1	1843.6	1677.8	1509.2	1320.9	1188.8	1003.3	888.1
12.5°	3765.9	3588.9	3319.1	2866.6	2419.7	2034.7	1762.1	1520.4	1306.8	1135.4	972.4
10°	6373.9	5994.5	5249.8	4013.2	3189.8	2481.6	1992.6	1669.4	1399.6	1222.5	1042.7
7.5°	16120.4	13149.8	9305.2	6354.3	4173.4	3032.4	2279.2	1809.9	1497.9	1278.7	1098.9
5°	62828.9	51756.0	27609.2	11522.6	6278.4	3667.5	2537.8	1922.3	1562.6	1320.9	1141.0
2.5°	199399.5	172195.0	90342.6	24804.4	7708.9	4131.3	2714.8	1992.6	1599.1	1351.8	1171.9
0°	286417.4	245470.1	126790.4	32622.9	8360.9	4249.3	2771.0	2006.6	1604.7	1357.4	1171.9
-2.5°	262023.3	229321.6	122479.3	30357.8	8543.6	4283.0	2816.0	2054.4	1646.9	1382.7	1180.4
-5°	155692.4	136564.9	85438.5	21645.6	7590.8	3976.7	2698.0	2012.2	1618.8	1368.7	1174.7
-7.5°	41020.4	35512.0	23359.9	11294.9	4912.5	3364.0	2478.8	1942.0	1582.2	1343.4	1152.3
-10°	9889.7	9372.6	8372.1	5131.8	3824.9	2810.4	2197.7	1815.5	1509.2	1309.6	1115.7
-12.5°	4769.2	4656.8	4226.8	3484.9	2838.5	2335.4	1989.8	1683.4	1441.7	1250.6	1065.1
-15°	3102.7	3038.0	2891.9	2608.0	2279.2	2037.5	1795.8	1548.5	1357.4	1163.5	1023.0
-17.5°	2296.1	2293.3	2220.2	2113.4	1950.4	1770.5	1593.5	1436.1	1250.6	1084.8	978.0
-20°	1902.6	1902.6	1860.5	1790.2	1675.0	1557.0	1438.9	1292.8	1141.0	1017.4	972.4

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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°	1616.0	1618.8	1596.3	1551.3	1489.5	1391.1	1275.9	1157.9	1048.3	1003.3	989.3
-25°	1430.5	1424.9	1399.6	1357.4	1292.8	1214.1	1138.2	1059.5	1028.6	1017.4	1037.0
-27.5°	1211.3	1219.7	1208.5	1188.8	1146.6	1090.4	1073.6	1051.1	1056.7	1073.6	1149.4
-30°	1082.0	1090.4	1101.7	1110.1	1096.0	1082.0	1087.6	1104.5	1141.0	1205.7	1233.8
-32.5°	1082.0	1084.8	1101.7	1118.5	1127.0	1138.2	1169.1	1225.3	1278.7	1261.9	1256.2
-35°	1180.4	1171.9	1194.4	1216.9	1247.8	1287.2	1320.9	1309.6	1290.0	1284.3	1290.0
-37.5°	1461.4	1408.0	1385.5	1371.5	1363.0	1357.4	1349.0	1340.6	1332.1	1326.5	1334.9
-40°	1458.6	1444.5	1430.5	1419.2	1410.8	1399.6	1394.0	1391.1	1382.7	1377.1	1371.5
-42.5°	1453.0	1458.6	1458.6	1455.8	1458.6	1455.8	1447.3	1436.1	1422.1	1410.8	1399.6
-45°	1495.1	1497.9	1503.6	1509.2	1517.6	1506.4	1489.5	1469.8	1450.2	1433.3	1419.2
-47.5°	1520.4	1523.2	1528.8	1537.3	1542.9	1531.7	1509.2	1483.9	1453.0	1424.9	1396.8
-50°	1528.8	1537.3	1540.1	1540.1	1537.3	1523.2	1489.5	1453.0	1419.2	1391.1	1365.8
-52.5°	1489.5	1497.9	1500.7	1495.1	1492.3	1478.3	1447.3	1413.6	1377.1	1357.4	1334.9
-55°	1424.9	1436.1	1444.5	1444.5	1444.5	1441.7	1413.6	1382.7	1354.6	1332.1	1309.6
-57.5°	1399.6	1419.2	1436.1	1438.9	1441.7	1444.5	1424.9	1394.0	1360.2	1326.5	1298.4
-60°	1492.3	1509.2	1517.6	1506.4	1497.9	1489.5	1458.6	1422.1	1388.3	1354.6	1301.2
-62.5°	1467.0	1495.1	1509.2	1500.7	1489.5	1475.5	1441.7	1399.6	1360.2	1323.7	1270.3
-65°	1385.5	1410.8	1427.7	1413.6	1396.8	1377.1	1346.2	1306.8	1270.3	1233.8	1186.0
-67.5°	1247.8	1284.3	1312.4	1281.5	1259.1	1233.8	1208.5	1174.7	1138.2	1096.0	1051.1
-70°	1031.4	1059.5	1084.8	1076.4	1070.8	1065.1	1048.3	1014.5	983.6	949.9	910.6
-72.5°	829.1	854.4	876.8	862.8	851.5	834.7	809.4	772.9	736.3	699.8	663.3
-75°	458.1	466.5	475.0	472.1	472.1	472.1	472.1	475.0	469.3	460.9	444.0
-77.5°	351.3	362.5	371.0	376.6	385.0	396.3	404.7	390.6	376.6	362.5	345.7
-80°	275.4	286.7	295.1	326.0	348.5	373.8	390.6	371.0	351.3	334.4	320.4
-82.5°	208.0	216.4	224.8	241.7	252.9	267.0	278.2	278.2	275.4	272.6	264.2
-85°	151.8	163.0	174.2	179.9	188.3	188.3	191.1	179.9	168.6	160.2	149.0
-87.5°	87.1	89.9	89.9	89.9	92.7	92.7	92.7	87.1	84.3	78.7	75.9
-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°	2.8	2.8	2.8	5.6	5.6	8.4	8.4	11.2	11.2	14.1	14.1
85°	16.9	16.9	16.9	19.7	19.7	22.5	25.3	28.1	30.9	30.9	33.7
82.5°	28.1	30.9	33.7	36.5	39.3	42.2	45.0	47.8	56.2	61.8	64.6
80°	28.1	30.9	39.3	45.0	50.6	56.2	56.2	56.2	56.2	59.0	64.6
77.5°	19.7	22.5	25.3	30.9	45.0	56.2	64.6	70.3	64.6	61.8	56.2
75°	11.2	14.1	16.9	19.7	28.1	39.3	53.4	67.4	78.7	75.9	70.3
72.5°	11.2	11.2	14.1	16.9	19.7	22.5	25.3	39.3	56.2	70.3	78.7
70°	11.2	14.1	14.1	16.9	19.7	22.5	25.3	30.9	39.3	56.2	73.1
67.5°	11.2	14.1	14.1	19.7	25.3	28.1	30.9	28.1	25.3	36.5	53.4
65°	11.2	11.2	14.1	16.9	19.7	22.5	30.9	30.9	28.1	28.1	28.1
62.5°	16.9	16.9	16.9	16.9	19.7	19.7	19.7	25.3	25.3	25.3	25.3
60°	33.7	30.9	30.9	30.9	30.9	25.3	25.3	25.3	22.5	25.3	22.5
57.5°	81.5	67.4	61.8	61.8	53.4	50.6	42.2	30.9	30.9	25.3	25.3
55°	165.8	157.4	132.1	109.6	98.4	87.1	67.4	56.2	42.2	33.7	30.9
52.5°	255.7	233.3	210.8	182.7	154.6	132.1	112.4	87.1	70.3	50.6	39.3
50°	334.4	314.8	289.5	258.6	222.0	193.9	165.8	132.1	104.0	78.7	56.2
47.5°	455.3	415.9	385.0	348.5	306.3	267.0	230.5	191.1	146.1	115.2	87.1
45°	584.6	528.4	486.2	452.5	396.3	342.9	300.7	258.6	205.2	151.8	118.0
42.5°	674.5	632.3	576.1	531.2	480.6	424.4	368.2	323.2	267.0	205.2	151.8
40°	722.3	694.2	649.2	609.9	556.5	494.6	435.6	390.6	331.6	264.2	191.1
37.5°	758.8	744.8	722.3	691.4	640.8	567.7	508.7	455.3	404.7	326.0	247.3
35°	801.0	798.1	784.1	770.0	727.9	657.6	587.4	525.5	463.7	390.6	303.5
32.5°	840.3	837.5	829.1	823.4	806.6	744.8	668.9	598.6	528.4	452.5	356.9
30°	860.0	854.4	854.4	860.0	843.1	803.8	747.6	671.7	593.0	503.1	413.1
27.5°	860.0	854.4	857.2	865.6	862.8	843.1	801.0	739.1	652.0	550.8	463.7
25°	823.4	851.5	851.5	862.8	865.6	860.0	837.5	798.1	708.2	601.4	503.1
22.5°	772.9	840.3	865.6	862.8	865.6	879.6	882.5	845.9	761.6	652.0	542.4
20°	772.9	820.6	893.7	874.0	879.6	910.6	924.6	893.7	817.8	699.8	581.7
17.5°	789.7	820.6	882.5	913.4	921.8	947.1	969.6	949.9	868.4	750.4	635.1
15°	837.5	831.9	874.0	949.9	964.0	983.6	1008.9	986.4	913.4	806.6	685.7
12.5°	871.2	840.3	874.0	955.5	1000.5	1020.2	1028.6	1011.7	952.7	857.2	736.3
10°	916.2	862.8	879.6	949.9	1014.5	1028.6	1037.0	1031.4	989.3	899.3	781.3
7.5°	949.9	874.0	874.0	941.5	1028.6	1039.8	1045.5	1051.1	1020.2	935.9	820.6
5°	964.0	874.0	868.4	933.0	1042.7	1053.9	1053.9	1062.3	1042.7	964.0	848.7
2.5°	966.8	871.2	862.8	927.4	1067.9	1067.9	1062.3	1070.8	1059.5	980.8	868.4
0°	980.8	868.4	860.0	935.9	1096.0	1084.8	1070.8	1073.6	1067.9	989.3	879.6
-2.5°	980.8	882.5	871.2	941.5	1093.2	1090.4	1084.8	1087.6	1082.0	1014.5	902.1
-5°	994.9	902.1	890.9	966.8	1090.4	1098.9	1101.7	1101.7	1093.2	1031.4	916.2
-7.5°	997.7	916.2	913.4	992.1	1096.0	1110.1	1118.5	1124.2	1107.3	1042.7	927.4
-10°	983.6	921.8	935.9	1023.0	1101.7	1121.3	1138.2	1146.6	1118.5	1048.3	933.0
-12.5°	952.7	921.8	958.3	1062.3	1115.7	1138.2	1163.5	1166.3	1129.8	1051.1	935.9
-15°	949.9	944.3	997.7	1101.7	1124.2	1152.3	1191.6	1183.2	1138.2	1051.1	935.9
-17.5°	947.1	975.2	1056.7	1115.7	1138.2	1169.1	1200.0	1191.6	1143.8	1051.1	930.2
-20°	972.4	1025.8	1127.0	1129.8	1155.1	1188.8	1205.7	1188.8	1135.4	1042.7	921.8

REPORT NUMBER: P723825

CATALOG NUMBER: IFLD-M-SA4D-827-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°	1014.5	1115.7	1149.4	1160.7	1183.2	1208.5	1216.9	1191.6	1127.0	1028.6	907.8
-25°	1121.3	1171.9	1171.9	1197.2	1219.7	1230.9	1222.5	1194.4	1115.7	1014.5	893.7
-27.5°	1202.8	1200.0	1214.1	1239.4	1259.1	1259.1	1236.6	1180.4	1098.9	1000.5	874.0
-30°	1233.8	1236.6	1256.2	1284.3	1290.0	1275.9	1242.2	1169.1	1084.8	978.0	848.7
-32.5°	1264.7	1275.9	1301.2	1315.3	1318.1	1290.0	1228.1	1149.4	1062.3	952.7	820.6
-35°	1301.2	1323.7	1337.7	1340.6	1326.5	1278.7	1208.5	1124.2	1028.6	916.2	795.3
-37.5°	1349.0	1360.2	1368.7	1357.4	1318.1	1261.9	1174.7	1090.4	997.7	876.8	758.8
-40°	1379.9	1385.5	1388.3	1351.8	1304.0	1222.5	1138.2	1051.1	944.3	831.9	719.5
-42.5°	1399.6	1394.0	1371.5	1332.1	1261.9	1183.2	1101.7	1003.3	896.5	786.9	677.3
-45°	1394.0	1374.3	1340.6	1292.8	1219.7	1141.0	1045.5	947.1	845.9	739.1	629.5
-47.5°	1371.5	1340.6	1298.4	1242.2	1174.7	1079.2	983.6	888.1	789.7	685.7	584.6
-50°	1343.4	1306.8	1256.2	1186.0	1096.0	1008.9	921.8	829.1	727.9	632.3	542.4
-52.5°	1312.4	1273.1	1208.5	1129.8	1031.4	941.5	857.2	767.2	674.5	584.6	505.9
-55°	1278.7	1239.4	1166.3	1076.4	978.0	879.6	798.1	722.3	632.3	545.2	475.0
-57.5°	1261.9	1211.3	1135.4	1045.5	941.5	840.3	770.0	688.5	607.0	517.1	449.7
-60°	1247.8	1197.2	1127.0	1023.0	924.6	829.1	747.6	668.9	581.7	497.4	430.0
-62.5°	1208.5	1155.1	1090.4	989.3	893.7	806.6	733.5	640.8	556.5	477.8	415.9
-65°	1129.8	1073.6	1017.4	927.4	840.3	758.8	685.7	601.4	522.7	455.3	401.9
-67.5°	1006.1	958.3	907.8	831.9	758.8	685.7	618.3	545.2	480.6	432.8	404.7
-70°	868.4	817.8	767.2	705.4	643.6	584.6	531.2	477.8	435.6	410.3	387.8
-72.5°	632.3	609.9	584.6	536.8	486.2	449.7	424.4	401.9	371.0	348.5	334.4
-75°	421.6	390.6	351.3	334.4	337.2	331.6	317.6	300.7	286.7	278.2	258.6
-77.5°	328.8	312.0	292.3	272.6	264.2	255.7	244.5	230.5	219.2	199.5	171.4
-80°	303.5	289.5	275.4	261.4	247.3	227.6	205.2	182.7	171.4	163.0	160.2
-82.5°	250.1	233.3	216.4	202.3	182.7	168.6	154.6	143.3	143.3	140.5	137.7
-85°	143.3	137.7	129.3	123.7	118.0	109.6	101.2	95.6	92.7	89.9	87.1
-87.5°	73.1	70.3	64.6	61.8	59.0	56.2	50.6	47.8	45.0	45.0	42.2
-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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CATALOG NUMBER: IFLD-M-SA4D-827-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°	14.1	14.1	11.2	11.2	11.2	8.4	5.6	5.6	2.8	2.8	0.0
85°	33.7	28.1	25.3	22.5	22.5	16.9	11.2	8.4	5.6	2.8	2.8
82.5°	64.6	56.2	47.8	42.2	33.7	25.3	19.7	14.1	8.4	5.6	2.8
80°	73.1	73.1	70.3	59.0	47.8	36.5	25.3	16.9	11.2	8.4	5.6
77.5°	56.2	61.8	61.8	61.8	59.0	45.0	30.9	19.7	11.2	8.4	5.6
75°	64.6	56.2	53.4	56.2	53.4	45.0	36.5	22.5	14.1	11.2	5.6
72.5°	78.7	67.4	59.0	56.2	50.6	42.2	33.7	25.3	14.1	11.2	8.4
70°	73.1	70.3	64.6	59.0	50.6	42.2	33.7	25.3	16.9	11.2	8.4
67.5°	64.6	64.6	64.6	59.0	50.6	39.3	30.9	22.5	16.9	11.2	8.4
65°	45.0	53.4	59.0	56.2	50.6	39.3	30.9	22.5	16.9	14.1	8.4
62.5°	28.1	36.5	47.8	53.4	47.8	39.3	28.1	22.5	16.9	14.1	8.4
60°	25.3	28.1	33.7	42.2	45.0	36.5	28.1	19.7	16.9	14.1	8.4
57.5°	25.3	25.3	28.1	33.7	36.5	33.7	25.3	16.9	16.9	14.1	11.2
55°	28.1	25.3	25.3	28.1	30.9	30.9	25.3	16.9	16.9	14.1	11.2
52.5°	33.7	28.1	25.3	25.3	25.3	28.1	22.5	16.9	16.9	14.1	11.2
50°	42.2	33.7	30.9	25.3	25.3	25.3	22.5	16.9	14.1	14.1	11.2
47.5°	56.2	45.0	33.7	30.9	25.3	22.5	19.7	16.9	14.1	14.1	11.2
45°	84.3	53.4	45.0	33.7	28.1	25.3	22.5	16.9	14.1	14.1	11.2
42.5°	115.2	78.7	56.2	39.3	30.9	25.3	22.5	19.7	14.1	14.1	11.2
40°	146.1	106.8	70.3	50.6	36.5	28.1	22.5	19.7	16.9	14.1	11.2
37.5°	179.9	132.1	92.7	64.6	42.2	30.9	25.3	19.7	16.9	14.1	11.2
35°	222.0	165.8	115.2	78.7	50.6	36.5	28.1	19.7	16.9	14.1	11.2
32.5°	269.8	196.7	137.7	95.6	64.6	45.0	30.9	22.5	16.9	14.1	11.2
30°	314.8	233.3	163.0	115.2	78.7	50.6	33.7	22.5	16.9	14.1	8.4
27.5°	359.7	269.8	193.9	134.9	95.6	59.0	36.5	25.3	16.9	14.1	11.2
25°	404.7	306.3	224.8	154.6	109.6	70.3	45.0	28.1	16.9	14.1	11.2
22.5°	444.0	342.9	252.9	177.1	126.5	81.5	50.6	30.9	19.7	14.1	11.2
20°	489.0	382.2	283.8	202.3	140.5	92.7	56.2	33.7	19.7	14.1	11.2
17.5°	531.2	421.6	314.8	224.8	157.4	104.0	64.6	36.5	22.5	14.1	11.2
15°	573.3	458.1	342.9	247.3	174.2	115.2	70.3	39.3	25.3	14.1	11.2
12.5°	612.7	491.8	368.2	267.0	188.3	126.5	75.9	42.2	28.1	14.1	11.2
10°	649.2	522.7	393.5	283.8	202.3	134.9	81.5	47.8	30.9	14.1	11.2
7.5°	685.7	548.0	413.1	300.7	219.2	146.1	87.1	50.6	33.7	16.9	11.2
5°	708.2	570.5	430.0	314.8	233.3	157.4	92.7	53.4	36.5	16.9	11.2
2.5°	727.9	587.4	441.2	328.8	247.3	165.8	92.7	56.2	39.3	16.9	11.2
0°	739.1	598.6	449.7	337.2	258.6	171.4	95.6	59.0	42.2	16.9	11.2
-2.5°	764.4	618.3	469.3	348.5	269.8	188.3	101.2	61.8	45.0	19.7	11.2
-5°	781.3	629.5	483.4	359.7	278.2	205.2	109.6	67.4	50.6	25.3	14.1
-7.5°	795.3	640.8	494.6	365.3	286.7	210.8	112.4	70.3	53.4	28.1	14.1
-10°	798.1	646.4	503.1	373.8	292.3	219.2	115.2	73.1	56.2	30.9	14.1
-12.5°	801.0	652.0	505.9	379.4	297.9	224.8	118.0	75.9	59.0	33.7	14.1
-15°	798.1	649.2	505.9	385.0	300.7	219.2	123.7	78.7	61.8	36.5	14.1
-17.5°	792.5	646.4	503.1	382.2	297.9	213.6	126.5	84.3	61.8	39.3	16.9
-20°	784.1	638.0	497.4	379.4	295.1	208.0	129.3	87.1	64.6	39.3	16.9



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CATALOG NUMBER: IFLD-M-SA4D-827-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	770.0	623.9	486.2	371.0	289.5	202.3	129.3	92.7	67.4	39.3	16.9
-25°	753.2	609.9	475.0	359.7	281.0	193.9	129.3	95.6	70.3	39.3	16.9
-27.5°	733.5	595.8	458.1	351.3	269.8	188.3	129.3	98.4	73.1	39.3	16.9
-30°	711.0	576.1	444.0	337.2	261.4	188.3	132.1	101.2	75.9	39.3	16.9
-32.5°	688.5	556.5	427.2	326.0	250.1	185.5	132.1	104.0	78.7	36.5	19.7
-35°	663.3	534.0	413.1	317.6	241.7	179.9	134.9	104.0	75.9	36.5	19.7
-37.5°	632.3	505.9	399.1	309.1	236.1	174.2	134.9	106.8	73.1	36.5	19.7
-40°	598.6	483.4	382.2	297.9	227.6	171.4	134.9	106.8	70.3	36.5	22.5
-42.5°	562.1	458.1	365.3	286.7	219.2	168.6	134.9	106.8	67.4	36.5	22.5
-45°	528.4	432.8	345.7	272.6	210.8	168.6	134.9	104.0	61.8	39.3	22.5
-47.5°	491.8	404.7	323.2	258.6	208.0	165.8	132.1	98.4	56.2	39.3	22.5
-50°	460.9	376.6	306.3	244.5	202.3	168.6	134.9	89.9	56.2	39.3	22.5
-52.5°	430.0	356.9	286.7	238.9	196.7	171.4	132.1	84.3	56.2	39.3	22.5
-55°	404.7	337.2	275.4	230.5	202.3	177.1	126.5	75.9	56.2	39.3	22.5
-57.5°	385.0	326.0	267.0	233.3	210.8	171.4	118.0	73.1	56.2	36.5	22.5
-60°	371.0	314.8	269.8	244.5	213.6	163.0	112.4	73.1	56.2	36.5	19.7
-62.5°	359.7	317.6	283.8	252.9	202.3	151.8	106.8	73.1	50.6	33.7	19.7
-65°	362.5	328.8	289.5	241.7	193.9	140.5	98.4	70.3	47.8	30.9	19.7
-67.5°	371.0	320.4	272.6	227.6	174.2	126.5	89.9	64.6	45.0	30.9	19.7
-70°	342.9	295.1	247.3	193.9	149.0	109.6	84.3	59.0	39.3	28.1	19.7
-72.5°	309.1	247.3	196.7	157.4	126.5	101.2	75.9	53.4	36.5	25.3	16.9
-75°	224.8	179.9	146.1	132.1	112.4	89.9	67.4	47.8	33.7	25.3	16.9
-77.5°	160.2	149.0	134.9	120.8	101.2	78.7	59.0	45.0	30.9	22.5	14.1
-80°	157.4	143.3	126.5	104.0	84.3	67.4	50.6	39.3	28.1	19.7	11.2
-82.5°	132.1	112.4	95.6	78.7	64.6	53.4	42.2	30.9	22.5	14.1	8.4
-85°	81.5	70.3	61.8	53.4	45.0	36.5	28.1	19.7	14.1	8.4	5.6
-87.5°	39.3	36.5	30.9	25.3	22.5	16.9	14.1	11.2	8.4	5.6	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-M-SA4D-827-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°	5.6	2.8	2.8	0.0
67.5°	5.6	2.8	2.8	0.0
65°	5.6	2.8	2.8	0.0
62.5°	5.6	2.8	2.8	0.0
60°	5.6	2.8	2.8	0.0
57.5°	5.6	2.8	2.8	0.0
55°	5.6	2.8	2.8	0.0
52.5°	5.6	2.8	2.8	0.0
50°	5.6	2.8	2.8	0.0
47.5°	5.6	5.6	2.8	0.0
45°	5.6	5.6	2.8	0.0
42.5°	5.6	5.6	2.8	0.0
40°	5.6	5.6	2.8	0.0
37.5°	5.6	5.6	2.8	0.0
35°	5.6	5.6	2.8	0.0
32.5°	8.4	5.6	2.8	0.0
30°	8.4	5.6	5.6	0.0
27.5°	8.4	5.6	5.6	0.0
25°	8.4	5.6	5.6	0.0
22.5°	8.4	5.6	5.6	0.0
20°	8.4	5.6	5.6	0.0
17.5°	8.4	5.6	5.6	0.0
15°	8.4	5.6	5.6	0.0
12.5°	8.4	5.6	5.6	0.0
10°	8.4	5.6	5.6	0.0
7.5°	8.4	5.6	5.6	0.0
5°	8.4	5.6	5.6	0.0
2.5°	8.4	5.6	5.6	0.0
0°	8.4	5.6	5.6	0.0
-2.5°	8.4	5.6	5.6	0.0
-5°	8.4	5.6	5.6	0.0
-7.5°	8.4	5.6	5.6	0.0
-10°	8.4	5.6	5.6	0.0
-12.5°	11.2	5.6	5.6	0.0
-15°	11.2	5.6	5.6	0.0
-17.5°	11.2	5.6	5.6	0.0
-20°	11.2	5.6	5.6	0.0

REPORT NUMBER: P723825

CATALOG NUMBER: IFLD-M-SA4D-827-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	11.2	5.6	5.6	0.0
-25°	11.2	5.6	5.6	0.0
-27.5°	11.2	5.6	5.6	0.0
-30°	11.2	5.6	5.6	0.0
-32.5°	11.2	5.6	5.6	0.0
-35°	11.2	5.6	5.6	0.0
-37.5°	11.2	5.6	5.6	0.0
-40°	11.2	5.6	5.6	0.0
-42.5°	8.4	5.6	2.8	0.0
-45°	11.2	5.6	2.8	0.0
-47.5°	11.2	5.6	2.8	0.0
-50°	11.2	5.6	2.8	0.0
-52.5°	11.2	5.6	2.8	0.0
-55°	11.2	5.6	2.8	0.0
-57.5°	11.2	5.6	2.8	0.0
-60°	11.2	5.6	2.8	0.0
-62.5°	11.2	5.6	2.8	0.0
-65°	11.2	5.6	2.8	0.0
-67.5°	11.2	5.6	2.8	0.0
-70°	11.2	2.8	2.8	0.0
-72.5°	8.4	2.8	2.8	0.0
-75°	8.4	2.8	2.8	0.0
-77.5°	5.6	2.8	0.0	0.0
-80°	5.6	2.8	0.0	0.0
-82.5°	5.6	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)