

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: P723854

Luminaire Tested: **IFLD-M-SA4D-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723854
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	13159.7 lumens	Max Intensity:	309600.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	52.7 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:	4772.2 lumens	Field Lumens:	7607.9 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

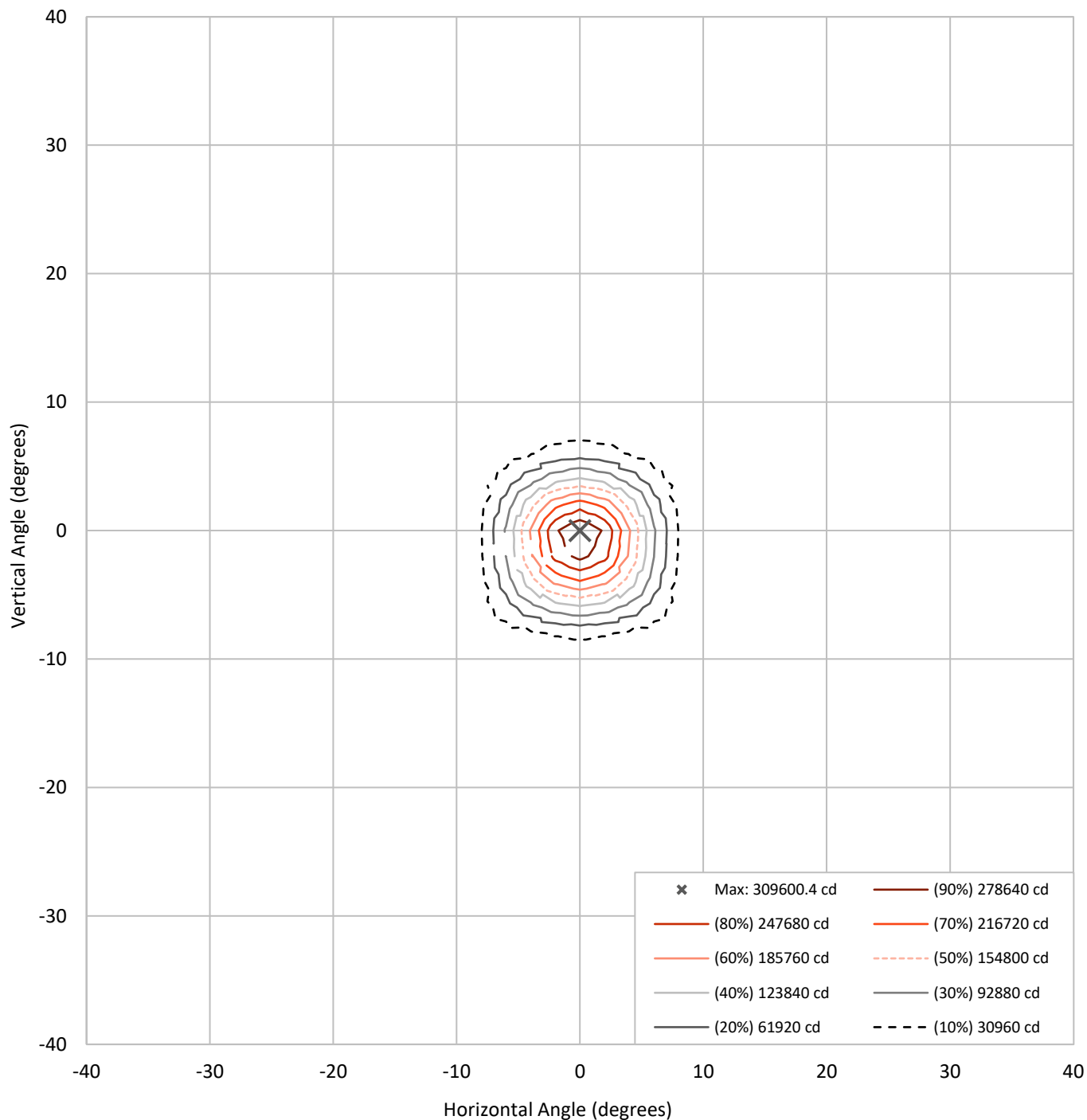
Input Watts (W): 249.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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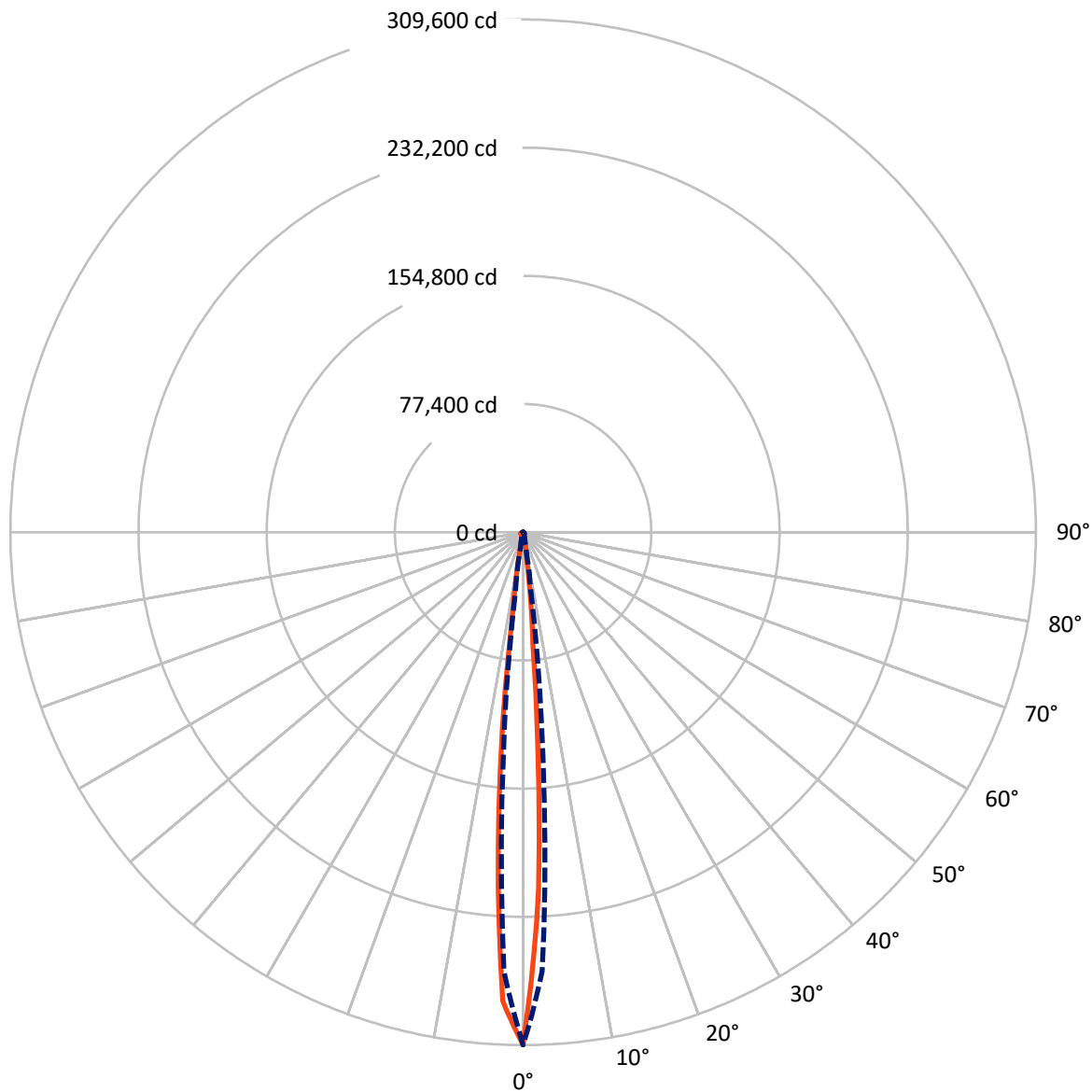
Lumen Table

90																
80	0.2	2.9		3.2		1.2		0.3		1.2		3.2		2.9		0.2
70																
60	0.3	0.7	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.6	0.8	0.7	0.3
50		0.4	0.6	1.5	3.4	5.5	7.1	8.2	8.2	7.1	5.5	3.4	1.5	0.6	0.4	
40	0.3	0.4	1.8	6.0	11.8	17.3	20.8	23.0	23.0	20.8	17.3	11.8	6.0	1.8	0.4	0.3
30		0.9	4.6	12.3	20.0	23.5	25.4	26.3	26.3	25.4	23.5	20.0	12.3	4.6	0.9	
20	0.5	1.7	7.8	17.9	23.2	23.9	28.2	33.9	33.9	28.2	23.9	23.2	17.9	7.8	1.7	0.5
10		2.7	10.9	22.0	24.7	27.9	49.0	83.5	83.5	49.0	27.9	24.7	22.0	10.9	2.7	
0	0.9	3.5	13.4	24.2	25.6	34.4	93.2	1727.5	1727.5	93.2	34.4	25.6	24.2	13.4	3.5	0.9
-10		4.1	14.7	25.4	26.6	35.6	100.4	2518.9	2518.9	100.4	35.6	26.6	25.4	14.7	4.1	
-20	1.3	4.3	15.1	26.7	28.8	32.1	58.4	112.0	112.0	58.4	32.1	28.8	26.7	15.1	4.3	1.3
-30		4.1	14.3	27.1	32.3	32.3	37.8	46.1	46.1	37.8	32.3	32.3	27.1	14.3	4.1	
-40	1.4	3.6	12.7	25.9	35.5	38.7	40.3	40.6	40.6	40.3	38.7	35.5	25.9	12.7	3.6	1.4
-50		3.2	10.2	22.0	34.3	41.7	46.7	48.9	48.9	46.7	41.7	34.3	22.0	10.2	3.2	
-60	1.1	2.9	7.9	17.0	29.2	39.2	45.6	48.2	48.2	45.6	39.2	29.2	17.0	7.9	2.9	1.1
-70		2.7	6.9	13.9	24.4	34.3	41.5	44.9	44.9	41.5	34.3	24.4	13.9	6.9	2.7	
-80	0.5	8.1		24.2		44.9		49.6		44.9		24.2		8.1		0.5
-90																
Horizontal Angle (degrees)																

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Luminous Intensity Polar Plot



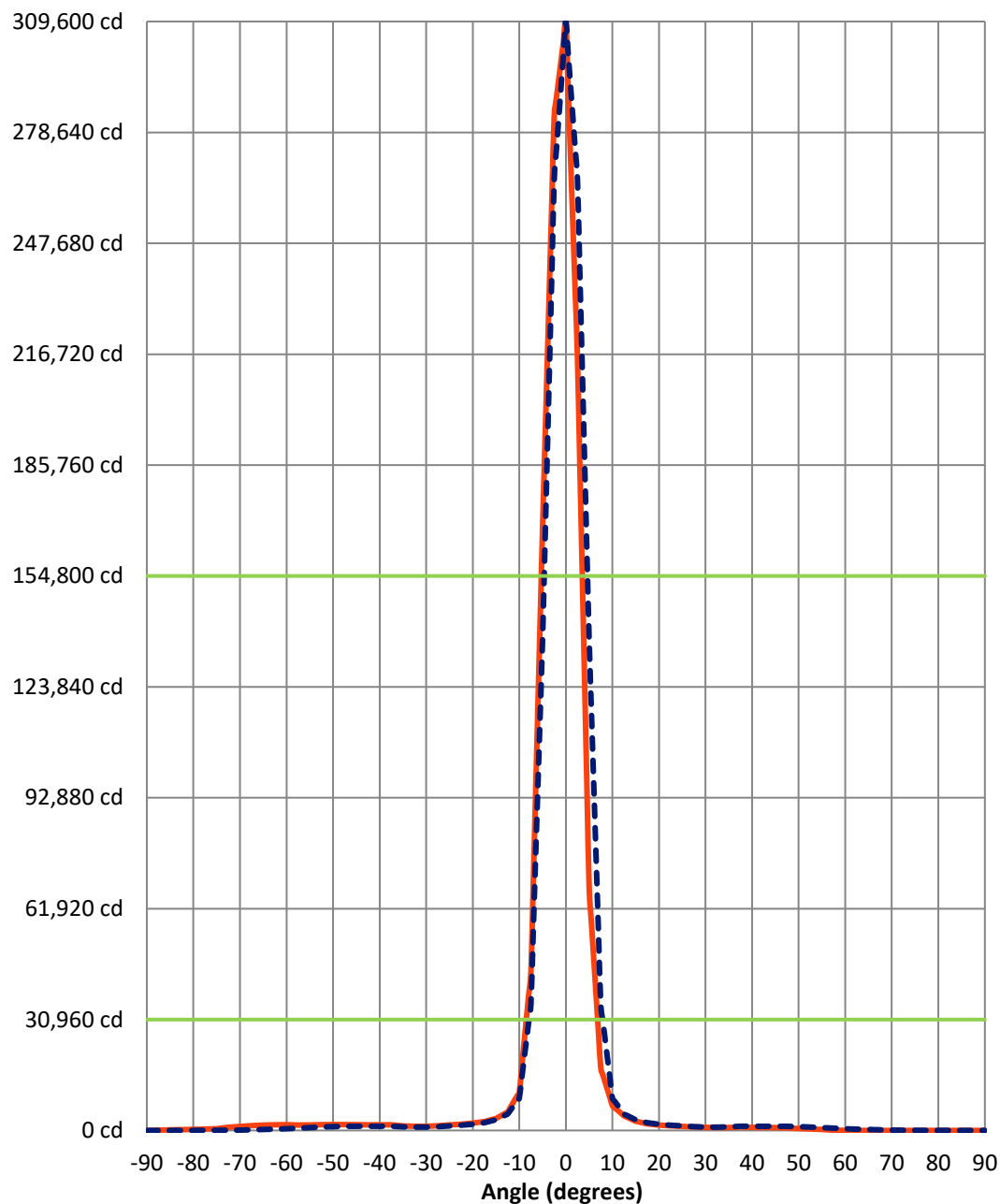
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4772.2

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7607.9

Efficiency: 57.8%

Spill:

Lumens: 5551.8

Efficiency: 42.2%

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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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	3.0	3.0	6.1	6.1	6.1	9.1	12.2	15.2	15.2	18.2
82.5°	0.0	3.0	3.0	6.1	6.1	9.1	9.1	15.2	18.2	21.3	27.3
80°	3.0	3.0	3.0	6.1	6.1	9.1	9.1	12.2	15.2	21.3	24.3
77.5°	0.0	3.0	3.0	3.0	6.1	6.1	6.1	9.1	12.2	15.2	18.2
75°	0.0	3.0	3.0	3.0	6.1	6.1	6.1	6.1	9.1	9.1	12.2
72.5°	0.0	0.0	0.0	3.0	3.0	6.1	6.1	6.1	9.1	9.1	9.1
70°	0.0	0.0	0.0	3.0	3.0	6.1	6.1	6.1	9.1	9.1	9.1
67.5°	0.0	0.0	0.0	3.0	3.0	6.1	6.1	6.1	9.1	9.1	9.1
65°	0.0	0.0	0.0	3.0	3.0	6.1	6.1	9.1	9.1	9.1	9.1
62.5°	3.0	3.0	3.0	6.1	9.1	9.1	12.2	15.2	15.2	15.2	15.2
60°	30.4	33.4	36.5	36.5	33.4	33.4	36.5	36.5	36.5	36.5	36.5
57.5°	82.0	88.1	91.1	91.1	91.1	88.1	100.2	103.3	91.1	85.1	94.2
55°	285.6	294.7	288.6	279.5	261.3	240.0	233.9	230.9	233.9	218.7	194.4
52.5°	416.2	425.3	422.3	416.2	404.0	388.8	376.7	364.5	352.4	328.1	300.7
50°	540.7	543.8	540.7	534.7	522.5	507.3	483.0	455.7	431.4	425.3	401.0
47.5°	680.5	689.6	689.6	686.6	677.4	650.1	613.6	574.2	555.9	549.9	525.5
45°	805.0	811.1	814.1	817.2	814.1	786.8	753.4	732.1	692.6	680.5	680.5
42.5°	838.4	841.5	844.5	847.6	856.7	835.4	808.1	771.6	762.5	759.5	753.4
40°	850.6	844.5	847.6	850.6	853.6	838.4	817.2	795.9	789.8	783.8	783.8
37.5°	966.0	938.7	917.4	899.2	884.0	868.8	847.6	829.3	814.1	802.0	814.1
35°	823.3	823.3	844.5	862.8	881.0	899.2	902.2	881.0	847.6	832.4	853.6
32.5°	841.5	841.5	841.5	847.6	853.6	868.8	884.0	893.1	917.4	890.1	890.1
30°	859.7	862.8	868.8	871.9	862.8	856.7	850.6	850.6	865.8	905.3	926.5
27.5°	966.0	966.0	956.9	944.8	917.4	874.9	853.6	823.3	826.3	844.5	896.2
25°	1139.2	1133.1	1111.9	1081.5	1032.9	972.1	914.4	850.6	823.3	814.1	835.4
22.5°	1303.2	1294.1	1266.8	1239.4	1200.0	1139.2	1042.0	944.8	859.7	823.3	814.1
20°	1512.9	1491.6	1461.2	1418.7	1354.9	1294.1	1209.1	1081.5	956.9	862.8	826.3
17.5°	1850.1	1822.7	1765.0	1689.0	1579.7	1485.5	1364.0	1242.5	1102.7	950.8	868.8
15°	2588.3	2518.4	2418.1	2208.5	1992.8	1813.6	1631.3	1427.8	1285.0	1084.5	960.0
12.5°	4070.7	3879.3	3587.7	3098.6	2615.6	2199.4	1904.7	1643.5	1412.6	1227.3	1051.1
10°	6889.9	6479.8	5674.7	4338.1	3448.0	2682.4	2153.8	1804.5	1512.9	1321.5	1127.0
7.5°	17425.2	14214.1	10058.4	6868.6	4511.2	3277.9	2463.7	1956.4	1619.2	1382.2	1187.8
5°	67914.4	55945.2	29843.9	12455.2	6786.6	3964.4	2743.2	2077.9	1689.0	1427.8	1233.4
2.5°	215539.2	186132.7	97655.0	26812.1	8332.8	4465.7	2934.6	2153.8	1728.5	1461.2	1266.8
0°	309600.4	265338.8	137053.0	35263.5	9037.6	4593.2	2995.3	2169.0	1734.6	1467.3	1266.8
-2.5°	283231.8	247883.2	132392.9	32815.0	9235.1	4629.7	3043.9	2220.7	1780.2	1494.6	1275.9
-5°	168294.4	147618.7	92354.0	23397.6	8205.3	4298.6	2916.3	2175.1	1749.8	1479.4	1269.8
-7.5°	44340.6	38386.4	25250.7	12209.2	5310.2	3636.3	2679.4	2099.2	1710.3	1452.1	1245.5
-10°	10690.2	10131.3	9049.8	5547.1	4134.5	3037.9	2375.6	1962.5	1631.3	1415.6	1206.0
-12.5°	5155.2	5033.7	4568.9	3766.9	3068.2	2524.5	2150.8	1819.7	1558.4	1351.8	1151.3
-15°	3353.8	3283.9	3126.0	2819.1	2463.7	2202.4	1941.2	1673.9	1467.3	1257.7	1105.8
-17.5°	2481.9	2478.9	2399.9	2284.5	2108.3	1913.9	1722.5	1552.3	1351.8	1172.6	1057.2
-20°	2056.6	2056.6	2011.1	1935.1	1810.6	1683.0	1555.4	1397.4	1233.4	1099.7	1051.1

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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°	1746.8	1749.8	1725.5	1676.9	1610.1	1503.7	1379.2	1251.6	1133.1	1084.5	1069.3
-25°	1546.3	1540.2	1512.9	1467.3	1397.4	1312.4	1230.3	1145.3	1111.9	1099.7	1121.0
-27.5°	1309.3	1318.4	1306.3	1285.0	1239.4	1178.7	1160.5	1136.2	1142.2	1160.5	1242.5
-30°	1169.6	1178.7	1190.8	1200.0	1184.8	1169.6	1175.7	1193.9	1233.4	1303.2	1333.6
-32.5°	1169.6	1172.6	1190.8	1209.1	1218.2	1230.3	1263.7	1324.5	1382.2	1364.0	1357.9
-35°	1275.9	1266.8	1291.1	1315.4	1348.8	1391.3	1427.8	1415.6	1394.4	1388.3	1394.4
-37.5°	1579.7	1522.0	1497.7	1482.5	1473.4	1467.3	1458.2	1449.1	1439.9	1433.9	1443.0
-40°	1576.6	1561.5	1546.3	1534.1	1525.0	1512.9	1506.8	1503.7	1494.6	1488.6	1482.5
-42.5°	1570.6	1576.6	1576.6	1573.6	1576.6	1573.6	1564.5	1552.3	1537.2	1525.0	1512.9
-45°	1616.1	1619.2	1625.3	1631.3	1640.4	1628.3	1610.1	1588.8	1567.5	1549.3	1534.1
-47.5°	1643.5	1646.5	1652.6	1661.7	1667.8	1655.6	1631.3	1604.0	1570.6	1540.2	1509.8
-50°	1652.6	1661.7	1664.7	1664.7	1661.7	1646.5	1610.1	1570.6	1534.1	1503.7	1476.4
-52.5°	1610.1	1619.2	1622.2	1616.1	1613.1	1597.9	1564.5	1528.0	1488.6	1467.3	1443.0
-55°	1540.2	1552.3	1561.5	1561.5	1561.5	1558.4	1528.0	1494.6	1464.2	1439.9	1415.6
-57.5°	1512.9	1534.1	1552.3	1555.4	1558.4	1561.5	1540.2	1506.8	1470.3	1433.9	1403.5
-60°	1613.1	1631.3	1640.4	1628.3	1619.2	1610.1	1576.6	1537.2	1500.7	1464.2	1406.5
-62.5°	1585.8	1616.1	1631.3	1622.2	1610.1	1594.9	1558.4	1512.9	1470.3	1430.8	1373.1
-65°	1497.7	1525.0	1543.2	1528.0	1509.8	1488.6	1455.1	1412.6	1373.1	1333.6	1282.0
-67.5°	1348.8	1388.3	1418.7	1385.3	1361.0	1333.6	1306.3	1269.8	1230.3	1184.8	1136.2
-70°	1114.9	1145.3	1172.6	1163.5	1157.4	1151.3	1133.1	1096.7	1063.3	1026.8	984.3
-72.5°	896.2	923.5	947.8	932.6	920.5	902.2	874.9	835.4	795.9	756.4	716.9
-75°	495.2	504.3	513.4	510.4	510.4	510.4	510.4	513.4	507.3	498.2	480.0
-77.5°	379.7	391.9	401.0	407.1	416.2	428.3	437.5	422.3	407.1	391.9	373.7
-80°	297.7	309.9	319.0	352.4	376.7	404.0	422.3	401.0	379.7	361.5	346.3
-82.5°	224.8	233.9	243.0	261.3	273.4	288.6	300.7	300.7	297.7	294.7	285.6
-85°	164.0	176.2	188.3	194.4	203.5	203.5	206.6	194.4	182.3	173.2	161.0
-87.5°	94.2	97.2	97.2	97.2	100.2	100.2	100.2	94.2	91.1	85.1	82.0
-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°	3.0	3.0	3.0	6.1	6.1	9.1	9.1	12.2	12.2	15.2	15.2
85°	18.2	18.2	18.2	21.3	21.3	24.3	27.3	30.4	33.4	33.4	36.5
82.5°	30.4	33.4	36.5	39.5	42.5	45.6	48.6	51.6	60.8	66.8	69.9
80°	30.4	33.4	42.5	48.6	54.7	60.8	60.8	60.8	60.8	63.8	69.9
77.5°	21.3	24.3	27.3	33.4	48.6	60.8	69.9	75.9	69.9	66.8	60.8
75°	12.2	15.2	18.2	21.3	30.4	42.5	57.7	72.9	85.1	82.0	75.9
72.5°	12.2	12.2	15.2	18.2	21.3	24.3	27.3	42.5	60.8	75.9	85.1
70°	12.2	15.2	15.2	18.2	21.3	24.3	27.3	33.4	42.5	60.8	79.0
67.5°	12.2	15.2	15.2	21.3	27.3	30.4	33.4	30.4	27.3	39.5	57.7
65°	12.2	12.2	15.2	18.2	21.3	24.3	33.4	33.4	30.4	30.4	30.4
62.5°	18.2	18.2	18.2	18.2	21.3	21.3	21.3	27.3	27.3	27.3	27.3
60°	36.5	33.4	33.4	33.4	33.4	27.3	27.3	27.3	24.3	27.3	24.3
57.5°	88.1	72.9	66.8	66.8	57.7	54.7	45.6	33.4	33.4	27.3	27.3
55°	179.2	170.1	142.8	118.5	106.3	94.2	72.9	60.8	45.6	36.5	33.4
52.5°	276.4	252.1	227.8	197.5	167.1	142.8	121.5	94.2	75.9	54.7	42.5
50°	361.5	340.2	312.9	279.5	240.0	209.6	179.2	142.8	112.4	85.1	60.8
47.5°	492.1	449.6	416.2	376.7	331.1	288.6	249.1	206.6	158.0	124.6	94.2
45°	631.9	571.1	525.5	489.1	428.3	370.6	325.1	279.5	221.8	164.0	127.6
42.5°	729.1	683.5	622.8	574.2	519.5	458.7	398.0	349.4	288.6	221.8	164.0
40°	780.7	750.4	701.7	659.2	601.5	534.7	470.9	422.3	358.5	285.6	206.6
37.5°	820.2	805.0	780.7	747.3	692.6	613.6	549.9	492.1	437.5	352.4	267.3
35°	865.8	862.8	847.6	832.4	786.8	710.9	634.9	568.1	501.2	422.3	328.1
32.5°	908.3	905.3	896.2	890.1	871.9	805.0	723.0	647.1	571.1	489.1	385.8
30°	929.6	923.5	923.5	929.6	911.4	868.8	808.1	726.0	641.0	543.8	446.6
27.5°	929.6	923.5	926.5	935.7	932.6	911.4	865.8	799.0	704.8	595.4	501.2
25°	890.1	920.5	920.5	932.6	935.7	929.6	905.3	862.8	765.5	650.1	543.8
22.5°	835.4	908.3	935.7	932.6	935.7	950.8	953.9	914.4	823.3	704.8	586.3
20°	835.4	887.1	966.0	944.8	950.8	984.3	999.5	966.0	884.0	756.4	628.8
17.5°	853.6	887.1	953.9	987.3	996.4	1023.8	1048.1	1026.8	938.7	811.1	686.6
15°	905.3	899.2	944.8	1026.8	1042.0	1063.3	1090.6	1066.3	987.3	871.9	741.2
12.5°	941.7	908.3	944.8	1032.9	1081.5	1102.7	1111.9	1093.6	1029.8	926.5	795.9
10°	990.3	932.6	950.8	1026.8	1096.7	1111.9	1121.0	1114.9	1069.3	972.1	844.5
7.5°	1026.8	944.8	944.8	1017.7	1111.9	1124.0	1130.1	1136.2	1102.7	1011.6	887.1
5°	1042.0	944.8	938.7	1008.6	1127.0	1139.2	1139.2	1148.3	1127.0	1042.0	917.4
2.5°	1045.0	941.7	932.6	1002.5	1154.4	1154.4	1148.3	1157.4	1145.3	1060.2	938.7
0°	1060.2	938.7	929.6	1011.6	1184.8	1172.6	1157.4	1160.5	1154.4	1069.3	950.8
-2.5°	1060.2	953.9	941.7	1017.7	1181.7	1178.7	1172.6	1175.7	1169.6	1096.7	975.2
-5°	1075.4	975.2	963.0	1045.0	1178.7	1187.8	1190.8	1190.8	1181.7	1114.9	990.3
-7.5°	1078.4	990.3	987.3	1072.4	1184.8	1200.0	1209.1	1215.1	1196.9	1127.0	1002.5
-10°	1063.3	996.4	1011.6	1105.8	1190.8	1212.1	1230.3	1239.4	1209.1	1133.1	1008.6
-12.5°	1029.8	996.4	1035.9	1148.3	1206.0	1230.3	1257.7	1260.7	1221.2	1136.2	1011.6
-15°	1026.8	1020.7	1078.4	1190.8	1215.1	1245.5	1288.1	1278.9	1230.3	1136.2	1011.6
-17.5°	1023.8	1054.1	1142.2	1206.0	1230.3	1263.7	1297.2	1288.1	1236.4	1136.2	1005.5
-20°	1051.1	1108.8	1218.2	1221.2	1248.6	1285.0	1303.2	1285.0	1227.3	1127.0	996.4



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	1096.7	1206.0	1242.5	1254.6	1278.9	1306.3	1315.4	1288.1	1218.2	1111.9	981.2
-25°	1212.1	1266.8	1266.8	1294.1	1318.4	1330.6	1321.5	1291.1	1206.0	1096.7	966.0
-27.5°	1300.2	1297.2	1312.4	1339.7	1361.0	1361.0	1336.7	1275.9	1187.8	1081.5	944.8
-30°	1333.6	1336.7	1357.9	1388.3	1394.4	1379.2	1342.7	1263.7	1172.6	1057.2	917.4
-32.5°	1367.0	1379.2	1406.5	1421.7	1424.8	1394.4	1327.5	1242.5	1148.3	1029.8	887.1
-35°	1406.5	1430.8	1446.0	1449.1	1433.9	1382.2	1306.3	1215.1	1111.9	990.3	859.7
-37.5°	1458.2	1470.3	1479.4	1467.3	1424.8	1364.0	1269.8	1178.7	1078.4	947.8	820.2
-40°	1491.6	1497.7	1500.7	1461.2	1409.6	1321.5	1230.3	1136.2	1020.7	899.2	777.7
-42.5°	1512.9	1506.8	1482.5	1439.9	1364.0	1278.9	1190.8	1084.5	969.1	850.6	732.1
-45°	1506.8	1485.5	1449.1	1397.4	1318.4	1233.4	1130.1	1023.8	914.4	799.0	680.5
-47.5°	1482.5	1449.1	1403.5	1342.7	1269.8	1166.5	1063.3	960.0	853.6	741.2	631.9
-50°	1452.1	1412.6	1357.9	1282.0	1184.8	1090.6	996.4	896.2	786.8	683.5	586.3
-52.5°	1418.7	1376.2	1306.3	1221.2	1114.9	1017.7	926.5	829.3	729.1	631.9	546.8
-55°	1382.2	1339.7	1260.7	1163.5	1057.2	950.8	862.8	780.7	683.5	589.3	513.4
-57.5°	1364.0	1309.3	1227.3	1130.1	1017.7	908.3	832.4	744.3	656.2	559.0	486.1
-60°	1348.8	1294.1	1218.2	1105.8	999.5	896.2	808.1	723.0	628.8	537.7	464.8
-62.5°	1306.3	1248.6	1178.7	1069.3	966.0	871.9	792.9	692.6	601.5	516.4	449.6
-65°	1221.2	1160.5	1099.7	1002.5	908.3	820.2	741.2	650.1	565.0	492.1	434.4
-67.5°	1087.6	1035.9	981.2	899.2	820.2	741.2	668.3	589.3	519.5	467.8	437.5
-70°	938.7	884.0	829.3	762.5	695.7	631.9	574.2	516.4	470.9	443.5	419.2
-72.5°	683.5	659.2	631.9	580.2	525.5	486.1	458.7	434.4	401.0	376.7	361.5
-75°	455.7	422.3	379.7	361.5	364.5	358.5	343.3	325.1	309.9	300.7	279.5
-77.5°	355.4	337.2	315.9	294.7	285.6	276.4	264.3	249.1	237.0	215.7	185.3
-80°	328.1	312.9	297.7	282.5	267.3	246.1	221.8	197.5	185.3	176.2	173.2
-82.5°	270.4	252.1	233.9	218.7	197.5	182.3	167.1	154.9	154.9	151.9	148.9
-85°	154.9	148.9	139.7	133.7	127.6	118.5	109.4	103.3	100.2	97.2	94.2
-87.5°	79.0	75.9	69.9	66.8	63.8	60.8	54.7	51.6	48.6	48.6	45.6
-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-SA4D-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°	15.2	15.2	12.2	12.2	12.2	9.1	6.1	6.1	3.0	3.0	0.0
85°	36.5	30.4	27.3	24.3	24.3	18.2	12.2	9.1	6.1	3.0	3.0
82.5°	69.9	60.8	51.6	45.6	36.5	27.3	21.3	15.2	9.1	6.1	3.0
80°	79.0	79.0	75.9	63.8	51.6	39.5	27.3	18.2	12.2	9.1	6.1
77.5°	60.8	66.8	66.8	66.8	63.8	48.6	33.4	21.3	12.2	9.1	6.1
75°	69.9	60.8	57.7	60.8	57.7	48.6	39.5	24.3	15.2	12.2	6.1
72.5°	85.1	72.9	63.8	60.8	54.7	45.6	36.5	27.3	15.2	12.2	9.1
70°	79.0	75.9	69.9	63.8	54.7	45.6	36.5	27.3	18.2	12.2	9.1
67.5°	69.9	69.9	69.9	63.8	54.7	42.5	33.4	24.3	18.2	12.2	9.1
65°	48.6	57.7	63.8	60.8	54.7	42.5	33.4	24.3	18.2	15.2	9.1
62.5°	30.4	39.5	51.6	57.7	51.6	42.5	30.4	24.3	18.2	15.2	9.1
60°	27.3	30.4	36.5	45.6	48.6	39.5	30.4	21.3	18.2	15.2	9.1
57.5°	27.3	27.3	30.4	36.5	39.5	36.5	27.3	18.2	18.2	15.2	12.2
55°	30.4	27.3	27.3	30.4	33.4	33.4	27.3	18.2	18.2	15.2	12.2
52.5°	36.5	30.4	27.3	27.3	27.3	30.4	24.3	18.2	18.2	15.2	12.2
50°	45.6	36.5	33.4	27.3	27.3	27.3	24.3	18.2	15.2	15.2	12.2
47.5°	60.8	48.6	36.5	33.4	27.3	24.3	21.3	18.2	15.2	15.2	12.2
45°	91.1	57.7	48.6	36.5	30.4	27.3	24.3	18.2	15.2	15.2	12.2
42.5°	124.6	85.1	60.8	42.5	33.4	27.3	24.3	21.3	15.2	15.2	12.2
40°	158.0	115.4	75.9	54.7	39.5	30.4	24.3	21.3	18.2	15.2	12.2
37.5°	194.4	142.8	100.2	69.9	45.6	33.4	27.3	21.3	18.2	15.2	12.2
35°	240.0	179.2	124.6	85.1	54.7	39.5	30.4	21.3	18.2	15.2	12.2
32.5°	291.6	212.7	148.9	103.3	69.9	48.6	33.4	24.3	18.2	15.2	12.2
30°	340.2	252.1	176.2	124.6	85.1	54.7	36.5	24.3	18.2	15.2	9.1
27.5°	388.8	291.6	209.6	145.8	103.3	63.8	39.5	27.3	18.2	15.2	12.2
25°	437.5	331.1	243.0	167.1	118.5	75.9	48.6	30.4	18.2	15.2	12.2
22.5°	480.0	370.6	273.4	191.4	136.7	88.1	54.7	33.4	21.3	15.2	12.2
20°	528.6	413.1	306.8	218.7	151.9	100.2	60.8	36.5	21.3	15.2	12.2
17.5°	574.2	455.7	340.2	243.0	170.1	112.4	69.9	39.5	24.3	15.2	12.2
15°	619.7	495.2	370.6	267.3	188.3	124.6	75.9	42.5	27.3	15.2	12.2
12.5°	662.3	531.6	398.0	288.6	203.5	136.7	82.0	45.6	30.4	15.2	12.2
10°	701.7	565.0	425.3	306.8	218.7	145.8	88.1	51.6	33.4	15.2	12.2
7.5°	741.2	592.4	446.6	325.1	237.0	158.0	94.2	54.7	36.5	18.2	12.2
5°	765.5	616.7	464.8	340.2	252.1	170.1	100.2	57.7	39.5	18.2	12.2
2.5°	786.8	634.9	476.9	355.4	267.3	179.2	100.2	60.8	42.5	18.2	12.2
0°	799.0	647.1	486.1	364.5	279.5	185.3	103.3	63.8	45.6	18.2	12.2
-2.5°	826.3	668.3	507.3	376.7	291.6	203.5	109.4	66.8	48.6	21.3	12.2
-5°	844.5	680.5	522.5	388.8	300.7	221.8	118.5	72.9	54.7	27.3	15.2
-7.5°	859.7	692.6	534.7	394.9	309.9	227.8	121.5	75.9	57.7	30.4	15.2
-10°	862.8	698.7	543.8	404.0	315.9	237.0	124.6	79.0	60.8	33.4	15.2
-12.5°	865.8	704.8	546.8	410.1	322.0	243.0	127.6	82.0	63.8	36.5	15.2
-15°	862.8	701.7	546.8	416.2	325.1	237.0	133.7	85.1	66.8	39.5	15.2
-17.5°	856.7	698.7	543.8	413.1	322.0	230.9	136.7	91.1	66.8	42.5	18.2
-20°	847.6	689.6	537.7	410.1	319.0	224.8	139.7	94.2	69.9	42.5	18.2

REPORT NUMBER: P723854

CATALOG NUMBER: IFLD-M-SA4D-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°	832.4	674.4	525.5	401.0	312.9	218.7	139.7	100.2	72.9	42.5	18.2
-25°	814.1	659.2	513.4	388.8	303.8	209.6	139.7	103.3	75.9	42.5	18.2
-27.5°	792.9	644.0	495.2	379.7	291.6	203.5	139.7	106.3	79.0	42.5	18.2
-30°	768.6	622.8	480.0	364.5	282.5	203.5	142.8	109.4	82.0	42.5	18.2
-32.5°	744.3	601.5	461.8	352.4	270.4	200.5	142.8	112.4	85.1	39.5	21.3
-35°	716.9	577.2	446.6	343.3	261.3	194.4	145.8	112.4	82.0	39.5	21.3
-37.5°	683.5	546.8	431.4	334.2	255.2	188.3	145.8	115.4	79.0	39.5	21.3
-40°	647.1	522.5	413.1	322.0	246.1	185.3	145.8	115.4	75.9	39.5	24.3
-42.5°	607.6	495.2	394.9	309.9	237.0	182.3	145.8	115.4	72.9	39.5	24.3
-45°	571.1	467.8	373.7	294.7	227.8	182.3	145.8	112.4	66.8	42.5	24.3
-47.5°	531.6	437.5	349.4	279.5	224.8	179.2	142.8	106.3	60.8	42.5	24.3
-50°	498.2	407.1	331.1	264.3	218.7	182.3	145.8	97.2	60.8	42.5	24.3
-52.5°	464.8	385.8	309.9	258.2	212.7	185.3	142.8	91.1	60.8	42.5	24.3
-55°	437.5	364.5	297.7	249.1	218.7	191.4	136.7	82.0	60.8	42.5	24.3
-57.5°	416.2	352.4	288.6	252.1	227.8	185.3	127.6	79.0	60.8	39.5	24.3
-60°	401.0	340.2	291.6	264.3	230.9	176.2	121.5	79.0	60.8	39.5	21.3
-62.5°	388.8	343.3	306.8	273.4	218.7	164.0	115.4	79.0	54.7	36.5	21.3
-65°	391.9	355.4	312.9	261.3	209.6	151.9	106.3	75.9	51.6	33.4	21.3
-67.5°	401.0	346.3	294.7	246.1	188.3	136.7	97.2	69.9	48.6	33.4	21.3
-70°	370.6	319.0	267.3	209.6	161.0	118.5	91.1	63.8	42.5	30.4	21.3
-72.5°	334.2	267.3	212.7	170.1	136.7	109.4	82.0	57.7	39.5	27.3	18.2
-75°	243.0	194.4	158.0	142.8	121.5	97.2	72.9	51.6	36.5	27.3	18.2
-77.5°	173.2	161.0	145.8	130.6	109.4	85.1	63.8	48.6	33.4	24.3	15.2
-80°	170.1	154.9	136.7	112.4	91.1	72.9	54.7	42.5	30.4	21.3	12.2
-82.5°	142.8	121.5	103.3	85.1	69.9	57.7	45.6	33.4	24.3	15.2	9.1
-85°	88.1	75.9	66.8	57.7	48.6	39.5	30.4	21.3	15.2	9.1	6.1
-87.5°	42.5	39.5	33.4	27.3	24.3	18.2	15.2	12.2	9.1	6.1	3.0
-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-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°	3.0	0.0	0.0	0.0
80°	3.0	0.0	0.0	0.0
77.5°	3.0	0.0	0.0	0.0
75°	3.0	3.0	0.0	0.0
72.5°	3.0	3.0	0.0	0.0
70°	6.1	3.0	3.0	0.0
67.5°	6.1	3.0	3.0	0.0
65°	6.1	3.0	3.0	0.0
62.5°	6.1	3.0	3.0	0.0
60°	6.1	3.0	3.0	0.0
57.5°	6.1	3.0	3.0	0.0
55°	6.1	3.0	3.0	0.0
52.5°	6.1	3.0	3.0	0.0
50°	6.1	3.0	3.0	0.0
47.5°	6.1	6.1	3.0	0.0
45°	6.1	6.1	3.0	0.0
42.5°	6.1	6.1	3.0	0.0
40°	6.1	6.1	3.0	0.0
37.5°	6.1	6.1	3.0	0.0
35°	6.1	6.1	3.0	0.0
32.5°	9.1	6.1	3.0	0.0
30°	9.1	6.1	6.1	0.0
27.5°	9.1	6.1	6.1	0.0
25°	9.1	6.1	6.1	0.0
22.5°	9.1	6.1	6.1	0.0
20°	9.1	6.1	6.1	0.0
17.5°	9.1	6.1	6.1	0.0
15°	9.1	6.1	6.1	0.0
12.5°	9.1	6.1	6.1	0.0
10°	9.1	6.1	6.1	0.0
7.5°	9.1	6.1	6.1	0.0
5°	9.1	6.1	6.1	0.0
2.5°	9.1	6.1	6.1	0.0
0°	9.1	6.1	6.1	0.0
-2.5°	9.1	6.1	6.1	0.0
-5°	9.1	6.1	6.1	0.0
-7.5°	9.1	6.1	6.1	0.0
-10°	9.1	6.1	6.1	0.0
-12.5°	12.2	6.1	6.1	0.0
-15°	12.2	6.1	6.1	0.0
-17.5°	12.2	6.1	6.1	0.0
-20°	12.2	6.1	6.1	0.0

REPORT NUMBER: P723854

CATALOG NUMBER: IFLD-M-SA4D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	12.2	6.1	6.1	0.0
-25°	12.2	6.1	6.1	0.0
-27.5°	12.2	6.1	6.1	0.0
-30°	12.2	6.1	6.1	0.0
-32.5°	12.2	6.1	6.1	0.0
-35°	12.2	6.1	6.1	0.0
-37.5°	12.2	6.1	6.1	0.0
-40°	12.2	6.1	6.1	0.0
-42.5°	9.1	6.1	3.0	0.0
-45°	12.2	6.1	3.0	0.0
-47.5°	12.2	6.1	3.0	0.0
-50°	12.2	6.1	3.0	0.0
-52.5°	12.2	6.1	3.0	0.0
-55°	12.2	6.1	3.0	0.0
-57.5°	12.2	6.1	3.0	0.0
-60°	12.2	6.1	3.0	0.0
-62.5°	12.2	6.1	3.0	0.0
-65°	12.2	6.1	3.0	0.0
-67.5°	12.2	6.1	3.0	0.0
-70°	12.2	3.0	3.0	0.0
-72.5°	9.1	3.0	3.0	0.0
-75°	9.1	3.0	3.0	0.0
-77.5°	6.1	3.0	0.0	0.0
-80°	6.1	3.0	0.0	0.0
-82.5°	6.1	3.0	0.0	0.0
-85°	3.0	0.0	0.0	0.0
-87.5°	3.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)