

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: P723855

Luminaire Tested: **IFLD-M-SA4E-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723855
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-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:	15229.5 lumens	Max Intensity:	358297.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.4 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:	5522.9 lumens	Field Lumens:	8804.5 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

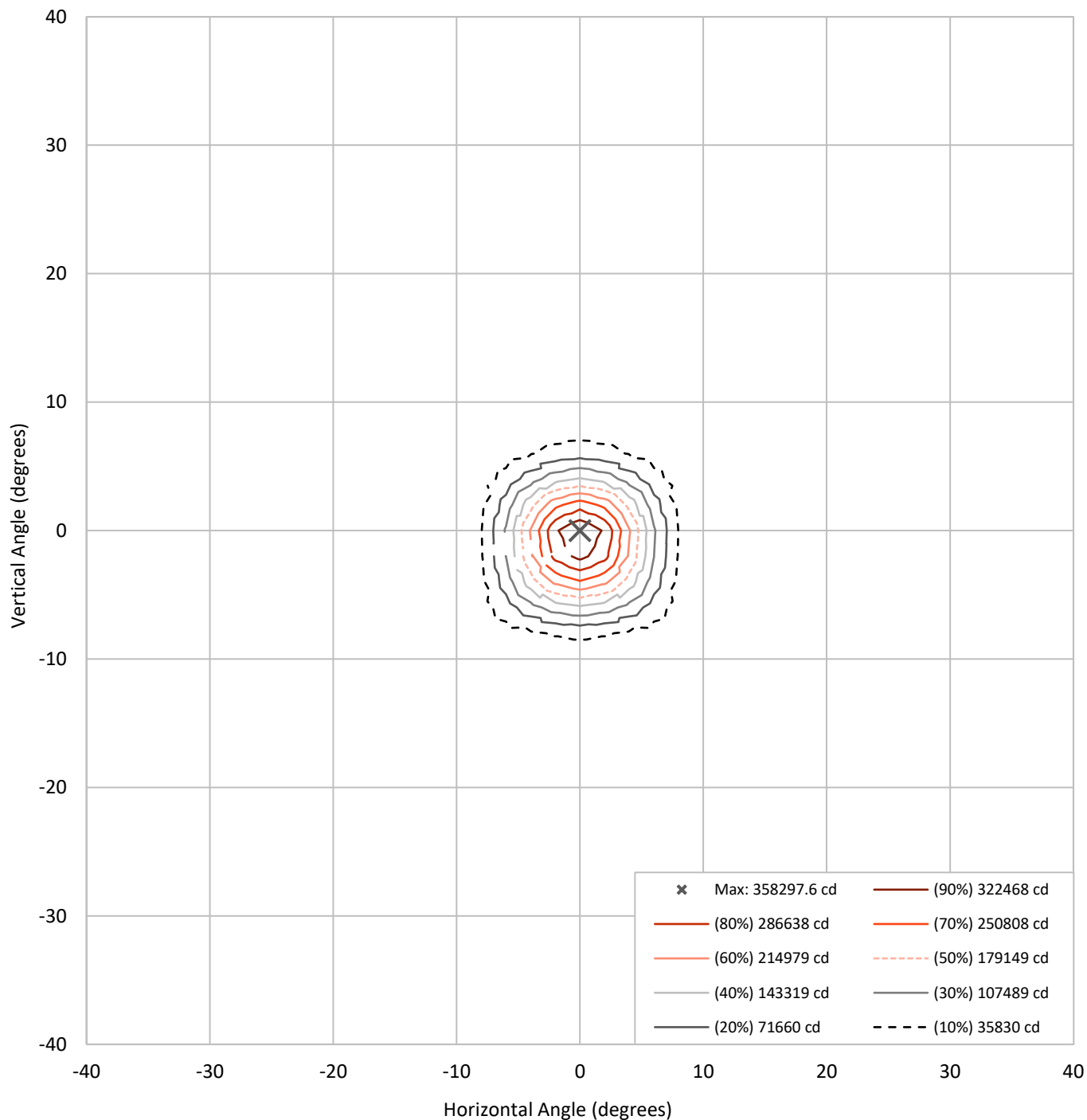
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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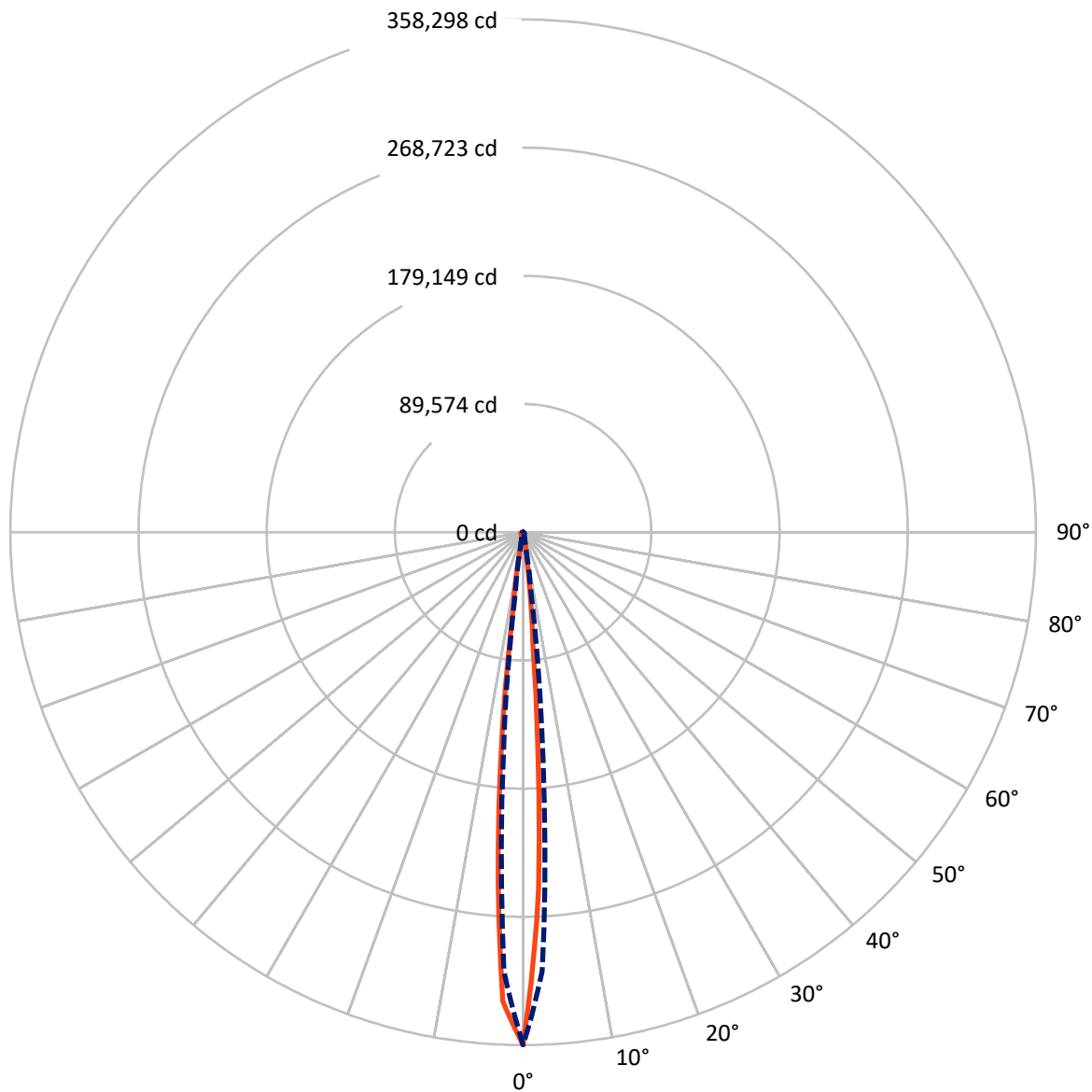
Lumen Table

	Horizontal Angle (degrees)																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Vertical Angle (degrees)																				
90	0.3		3.4		3.7		1.4		0.4		1.4		3.7		3.4		0.3			
80																				
70	0.4		0.8	1.0	0.7	0.6	0.5	0.4	0.2	0.2	0.4	0.5	0.6	0.7	1.0	0.8	0.4			
60			0.5	0.7	1.8	3.9	6.4	8.2	9.5	9.5	8.2	6.4	3.9	1.8	0.7	0.5				
50	0.4		0.5	2.1	6.9	13.7	20.0	24.0	26.6	26.6	24.0	20.0	13.7	6.9	2.1	0.5	0.4			
40			1.0	5.3	14.2	23.2	27.2	29.4	30.4	30.4	29.4	27.2	23.2	14.2	5.3	1.0				
30	0.6		2.0	9.0	20.7	26.8	27.6	32.6	39.3	39.3	32.6	27.6	26.8	20.7	9.0	2.0	0.6			
20			3.1	12.7	25.5	28.6	32.3	56.7	96.7	96.7	56.7	32.3	28.6	25.5	12.7	3.1				
10	1.0		4.0	15.5	28.0	29.7	39.8	107.9	1999.3	1999.3	107.9	39.8	29.7	28.0	15.5	4.0	1.0			
0			4.7	17.0	29.4	30.8	41.2	116.2	2915.1	2915.1	116.2	41.2	30.8	29.4	17.0	4.7				
-10	1.5		5.0	17.4	31.0	33.3	37.2	67.6	129.7	129.7	67.6	37.2	33.3	31.0	17.4	5.0	1.5			
-20			4.7	16.6	31.3	37.4	37.4	43.8	53.4	53.4	43.8	37.4	37.4	31.3	16.6	4.7				
-30	1.6		4.2	14.6	30.0	41.1	44.8	46.6	47.0	47.0	46.6	44.8	41.1	30.0	14.6	4.2	1.6			
-40			3.7	11.8	25.4	39.6	48.2	54.0	56.6	56.6	54.0	48.2	39.6	25.4	11.8	3.7				
-50	1.3		3.3	9.1	19.7	33.8	45.4	52.8	55.8	55.8	52.8	45.4	33.8	19.7	9.1	3.3	1.3			
-60			3.1	8.0	16.1	28.2	39.7	48.0	51.9	51.9	48.0	39.7	28.2	16.1	8.0	3.1				
-70	0.6		9.4		28.1		52.0		57.4		52.0		28.1		9.4		0.6			
-80																				
-90																				

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Luminous Intensity Polar Plot



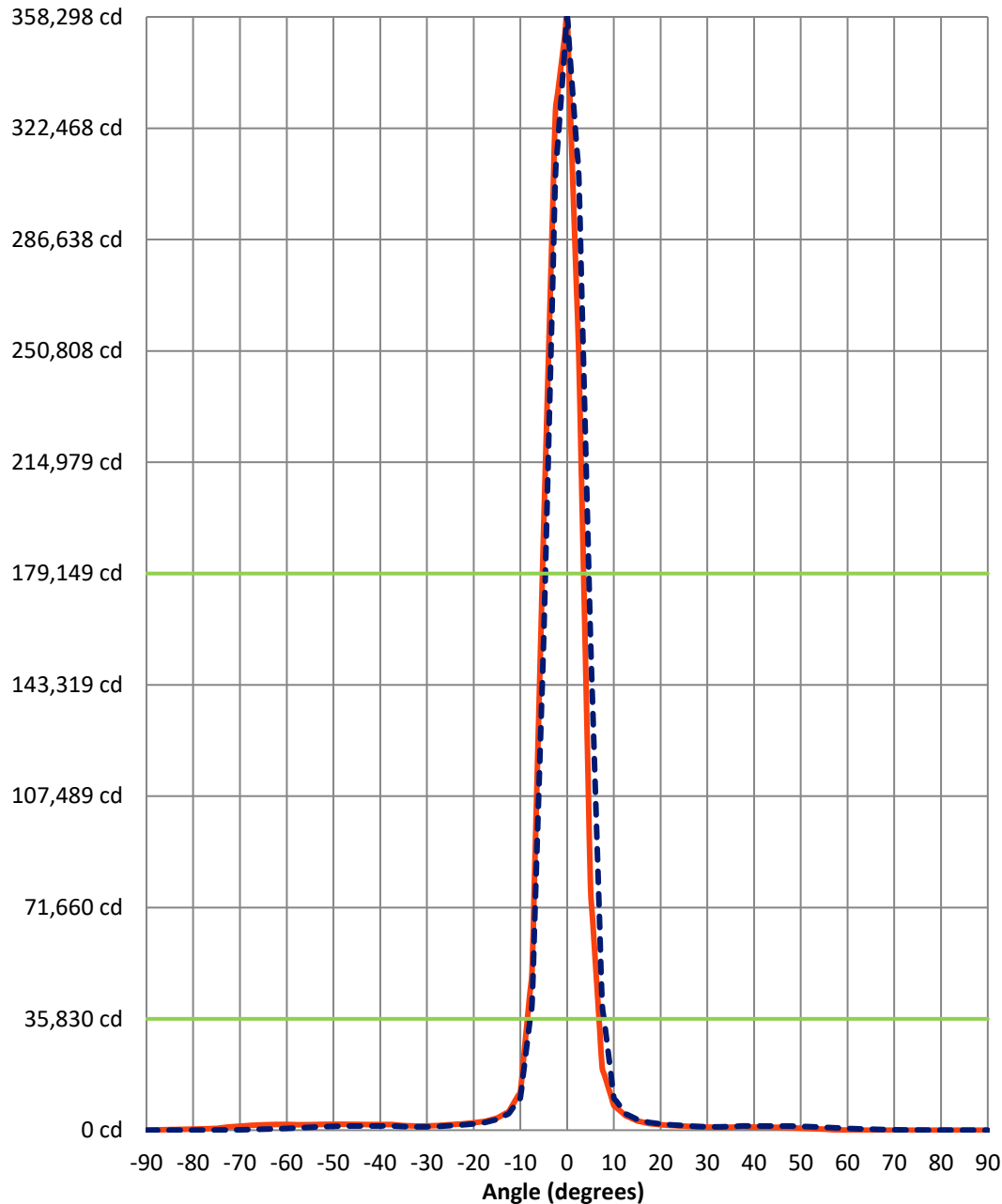
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
H Angle: 9.3°
V Angle: 8.8°
Lumens: 5522.9
Efficiency: 36.3%

Field:
H Angle: 15.8°
V Angle: 15.3°
Lumens: 8804.5
Efficiency: 57.8%

Spill:
Lumens: 6425
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	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	3.5	3.5	7.0	7.0	7.0	10.5	14.1	17.6	17.6	21.1
82.5°	0.0	3.5	3.5	7.0	7.0	10.5	10.5	17.6	21.1	24.6	31.6
80°	3.5	3.5	3.5	7.0	7.0	10.5	10.5	14.1	17.6	24.6	28.1
77.5°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	10.5	14.1	17.6	21.1
75°	0.0	3.5	3.5	3.5	7.0	7.0	7.0	7.0	10.5	10.5	14.1
72.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
70°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
67.5°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5
65°	0.0	0.0	0.0	3.5	3.5	7.0	7.0	10.5	10.5	10.5	10.5
62.5°	3.5	3.5	3.5	7.0	10.5	10.5	14.1	17.6	17.6	17.6	17.6
60°	35.2	38.7	42.2	42.2	38.7	38.7	42.2	42.2	42.2	42.2	42.2
57.5°	94.9	102.0	105.5	105.5	105.5	102.0	116.0	119.5	105.5	98.4	109.0
55°	330.5	341.0	334.0	323.4	302.3	277.7	270.7	267.2	270.7	253.1	225.0
52.5°	481.6	492.2	488.7	481.6	467.6	450.0	435.9	421.9	407.8	379.7	348.1
50°	625.8	629.3	625.8	618.8	604.7	587.1	559.0	527.4	499.2	492.2	464.1
47.5°	787.5	798.1	798.1	794.5	784.0	752.4	710.2	664.5	643.4	636.3	608.2
45°	931.7	938.7	942.2	945.7	942.2	910.6	871.9	847.3	801.6	787.5	787.5
42.5°	970.3	973.8	977.4	980.9	991.4	966.8	935.2	893.0	882.4	878.9	871.9
40°	984.4	977.4	980.9	984.4	987.9	970.3	945.7	921.1	914.1	907.0	907.0
37.5°	1118.0	1086.3	1061.7	1040.6	1023.1	1005.5	980.9	959.8	942.2	928.1	942.2
35°	952.8	952.8	977.4	998.5	1019.5	1040.6	1044.2	1019.5	980.9	963.3	987.9
32.5°	973.8	973.8	973.8	980.9	987.9	1005.5	1023.1	1033.6	1061.7	1030.1	1030.1
30°	994.9	998.5	1005.5	1009.0	998.5	991.4	984.4	984.4	1002.0	1047.7	1072.3
27.5°	1118.0	1118.0	1107.4	1093.4	1061.7	1012.5	987.9	952.8	956.3	977.4	1037.1
25°	1318.4	1311.4	1286.7	1251.6	1195.3	1125.0	1058.2	984.4	952.8	942.2	966.8
22.5°	1508.2	1497.7	1466.0	1434.4	1388.7	1318.4	1205.9	1093.4	994.9	952.8	942.2
20°	1750.8	1726.2	1691.0	1641.8	1568.0	1497.7	1399.2	1251.6	1107.4	998.5	956.3
17.5°	2141.1	2109.4	2042.6	1954.7	1828.2	1719.2	1578.5	1437.9	1276.2	1100.4	1005.5
15°	2995.4	2914.5	2798.5	2555.9	2306.3	2098.9	1887.9	1652.4	1487.1	1255.1	1111.0
12.5°	4711.0	4489.5	4152.0	3586.0	3027.0	2545.4	2204.3	1902.0	1634.8	1420.3	1216.4
10°	7973.6	7499.0	6567.3	5020.4	3990.3	3104.4	2492.6	2088.3	1750.8	1529.3	1304.3
7.5°	20166.0	16449.9	11640.4	7949.0	5220.8	3793.4	2851.2	2264.1	1873.9	1599.6	1374.6
5°	78596.7	64744.9	34538.1	14414.3	7854.0	4588.0	3174.7	2404.7	1954.7	1652.4	1427.4
2.5°	249441.4	215409.6	113015.2	31029.4	9643.5	5168.1	3396.2	2492.6	2000.4	1691.0	1466.0
0°	358297.6	307074.0	158610.1	40810.1	10459.2	5315.7	3466.5	2510.2	2007.5	1698.1	1466.0
-2.5°	327781.4	286872.9	153217.1	37976.4	10687.7	5357.9	3522.7	2570.0	2060.2	1729.7	1476.6
-5°	194765.5	170837.7	106880.4	27077.8	9495.9	4974.7	3375.1	2517.2	2025.0	1712.1	1469.6
-7.5°	51314.9	44424.2	29222.4	14129.5	6145.4	4208.3	3100.8	2429.3	1979.3	1680.5	1441.4
-10°	12371.7	11724.8	10473.2	6419.6	4784.8	3515.7	2749.3	2271.1	1887.9	1638.3	1395.7
-12.5°	5966.1	5825.5	5287.6	4359.4	3550.8	2921.5	2489.1	2105.9	1803.5	1564.5	1332.4
-15°	3881.3	3800.5	3617.6	3262.6	2851.2	2548.9	2246.5	1937.1	1698.1	1455.5	1279.7
-17.5°	2872.3	2868.8	2777.4	2643.8	2439.9	2214.9	1993.4	1796.5	1564.5	1357.1	1223.5
-20°	2380.1	2380.1	2327.4	2239.5	2095.3	1947.7	1800.0	1617.2	1427.4	1272.7	1216.4

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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°	2021.5	2025.0	1996.9	1940.7	1863.3	1740.3	1596.1	1448.5	1311.4	1255.1	1237.5
-25°	1789.5	1782.5	1750.8	1698.1	1617.2	1518.8	1423.9	1325.4	1286.7	1272.7	1297.3
-27.5°	1515.3	1525.8	1511.7	1487.1	1434.4	1364.1	1343.0	1314.9	1321.9	1343.0	1437.9
-30°	1353.5	1364.1	1378.1	1388.7	1371.1	1353.5	1360.6	1381.7	1427.4	1508.2	1543.4
-32.5°	1353.5	1357.1	1378.1	1399.2	1409.8	1423.9	1462.5	1532.8	1599.6	1578.5	1571.5
-35°	1476.6	1466.0	1494.2	1522.3	1561.0	1610.2	1652.4	1638.3	1613.7	1606.7	1613.7
-37.5°	1828.2	1761.4	1733.2	1715.7	1705.1	1698.1	1687.5	1677.0	1666.4	1659.4	1670.0
-40°	1824.6	1807.1	1789.5	1775.4	1764.9	1750.8	1743.8	1740.3	1729.7	1722.7	1715.7
-42.5°	1817.6	1824.6	1824.6	1821.1	1824.6	1821.1	1810.6	1796.5	1778.9	1764.9	1750.8
-45°	1870.3	1873.9	1880.9	1887.9	1898.5	1884.4	1863.3	1838.7	1814.1	1793.0	1775.4
-47.5°	1902.0	1905.5	1912.5	1923.1	1930.1	1916.0	1887.9	1856.3	1817.6	1782.5	1747.3
-50°	1912.5	1923.1	1926.6	1926.6	1923.1	1905.5	1863.3	1817.6	1775.4	1740.3	1708.6
-52.5°	1863.3	1873.9	1877.4	1870.3	1866.8	1849.3	1810.6	1768.4	1722.7	1698.1	1670.0
-55°	1782.5	1796.5	1807.1	1807.1	1807.1	1803.5	1768.4	1729.7	1694.6	1666.4	1638.3
-57.5°	1750.8	1775.4	1796.5	1800.0	1803.5	1807.1	1782.5	1743.8	1701.6	1659.4	1624.2
-60°	1866.8	1887.9	1898.5	1884.4	1873.9	1863.3	1824.6	1778.9	1736.7	1694.6	1627.8
-62.5°	1835.2	1870.3	1887.9	1877.4	1863.3	1845.7	1803.5	1750.8	1701.6	1655.9	1589.1
-65°	1733.2	1764.9	1786.0	1768.4	1747.3	1722.7	1684.0	1634.8	1589.1	1543.4	1483.6
-67.5°	1561.0	1606.7	1641.8	1603.2	1575.0	1543.4	1511.7	1469.6	1423.9	1371.1	1314.9
-70°	1290.3	1325.4	1357.1	1346.5	1339.5	1332.4	1311.4	1269.2	1230.5	1188.3	1139.1
-72.5°	1037.1	1068.8	1096.9	1079.3	1065.3	1044.2	1012.5	966.8	921.1	875.4	829.7
-75°	573.1	583.6	594.2	590.6	590.6	590.6	590.6	594.2	587.1	576.6	555.5
-77.5°	439.5	453.5	464.1	471.1	481.6	495.7	506.3	488.7	471.1	453.5	432.4
-80°	344.5	358.6	369.1	407.8	435.9	467.6	488.7	464.1	439.5	418.4	400.8
-82.5°	260.2	270.7	281.3	302.3	316.4	334.0	348.1	348.1	344.5	341.0	330.5
-85°	189.8	203.9	218.0	225.0	235.6	235.6	239.1	225.0	210.9	200.4	186.3
-87.5°	109.0	112.5	112.5	112.5	116.0	116.0	116.0	109.0	105.5	98.4	94.9
-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°	3.5	3.5	3.5	7.0	7.0	10.5	10.5	14.1	14.1	17.6	17.6
85°	21.1	21.1	21.1	24.6	24.6	28.1	31.6	35.2	38.7	38.7	42.2
82.5°	35.2	38.7	42.2	45.7	49.2	52.7	56.3	59.8	70.3	77.3	80.9
80°	35.2	38.7	49.2	56.3	63.3	70.3	70.3	70.3	70.3	73.8	80.9
77.5°	24.6	28.1	31.6	38.7	56.3	70.3	80.9	87.9	80.9	77.3	70.3
75°	14.1	17.6	21.1	24.6	35.2	49.2	66.8	84.4	98.4	94.9	87.9
72.5°	14.1	14.1	17.6	21.1	24.6	28.1	31.6	49.2	70.3	87.9	98.4
70°	14.1	17.6	17.6	21.1	24.6	28.1	31.6	38.7	49.2	70.3	91.4
67.5°	14.1	17.6	17.6	24.6	31.6	35.2	38.7	35.2	31.6	45.7	66.8
65°	14.1	14.1	17.6	21.1	24.6	28.1	38.7	38.7	35.2	35.2	35.2
62.5°	21.1	21.1	21.1	21.1	24.6	24.6	24.6	31.6	31.6	31.6	31.6
60°	42.2	38.7	38.7	38.7	38.7	31.6	31.6	31.6	28.1	31.6	28.1
57.5°	102.0	84.4	77.3	77.3	66.8	63.3	52.7	38.7	38.7	31.6	31.6
55°	207.4	196.9	165.2	137.1	123.0	109.0	84.4	70.3	52.7	42.2	38.7
52.5°	319.9	291.8	263.7	228.5	193.4	165.2	140.6	109.0	87.9	63.3	49.2
50°	418.4	393.8	362.1	323.4	277.7	242.6	207.4	165.2	130.1	98.4	70.3
47.5°	569.5	520.3	481.6	435.9	383.2	334.0	288.3	239.1	182.8	144.1	109.0
45°	731.3	660.9	608.2	566.0	495.7	428.9	376.2	323.4	256.6	189.8	147.7
42.5°	843.8	791.0	720.7	664.5	601.2	530.9	460.6	404.3	334.0	256.6	189.8
40°	903.5	868.4	812.1	762.9	696.1	618.8	544.9	488.7	414.9	330.5	239.1
37.5°	949.2	931.7	903.5	864.9	801.6	710.2	636.3	569.5	506.3	407.8	309.4
35°	1002.0	998.5	980.9	963.3	910.6	822.7	734.8	657.4	580.1	488.7	379.7
32.5°	1051.2	1047.7	1037.1	1030.1	1009.0	931.7	836.7	748.8	660.9	566.0	446.5
30°	1075.8	1068.8	1068.8	1075.8	1054.7	1005.5	935.2	840.2	741.8	629.3	516.8
27.5°	1075.8	1068.8	1072.3	1082.8	1079.3	1054.7	1002.0	924.6	815.6	689.1	580.1
25°	1030.1	1065.3	1065.3	1079.3	1082.8	1075.8	1047.7	998.5	886.0	752.4	629.3
22.5°	966.8	1051.2	1082.8	1079.3	1082.8	1100.4	1103.9	1058.2	952.8	815.6	678.5
20°	966.8	1026.6	1118.0	1093.4	1100.4	1139.1	1156.7	1118.0	1023.1	875.4	727.7
17.5°	987.9	1026.6	1103.9	1142.6	1153.1	1184.8	1212.9	1188.3	1086.3	938.7	794.5
15°	1047.7	1040.6	1093.4	1188.3	1205.9	1230.5	1262.1	1234.0	1142.6	1009.0	857.8
12.5°	1089.9	1051.2	1093.4	1195.3	1251.6	1276.2	1286.7	1265.6	1191.8	1072.3	921.1
10°	1146.1	1079.3	1100.4	1188.3	1269.2	1286.7	1297.3	1290.3	1237.5	1125.0	977.4
7.5°	1188.3	1093.4	1093.4	1177.8	1286.7	1300.8	1307.8	1314.9	1276.2	1170.7	1026.6
5°	1205.9	1093.4	1086.3	1167.2	1304.3	1318.4	1318.4	1328.9	1304.3	1205.9	1061.7
2.5°	1209.4	1089.9	1079.3	1160.2	1336.0	1336.0	1328.9	1339.5	1325.4	1227.0	1086.3
0°	1227.0	1086.3	1075.8	1170.7	1371.1	1357.1	1339.5	1343.0	1336.0	1237.5	1100.4
-2.5°	1227.0	1103.9	1089.9	1177.8	1367.6	1364.1	1357.1	1360.6	1353.5	1269.2	1128.5
-5°	1244.6	1128.5	1114.5	1209.4	1364.1	1374.6	1378.1	1378.1	1367.6	1290.3	1146.1
-7.5°	1248.1	1146.1	1142.6	1241.0	1371.1	1388.7	1399.2	1406.3	1385.2	1304.3	1160.2
-10°	1230.5	1153.1	1170.7	1279.7	1378.1	1402.8	1423.9	1434.4	1399.2	1311.4	1167.2
-12.5°	1191.8	1153.1	1198.8	1328.9	1395.7	1423.9	1455.5	1459.0	1413.3	1314.9	1170.7
-15°	1188.3	1181.3	1248.1	1378.1	1406.3	1441.4	1490.7	1480.1	1423.9	1314.9	1170.7
-17.5°	1184.8	1219.9	1321.9	1395.7	1423.9	1462.5	1501.2	1490.7	1430.9	1314.9	1163.7
-20°	1216.4	1283.2	1409.8	1413.3	1444.9	1487.1	1508.2	1487.1	1420.3	1304.3	1153.1

REPORT NUMBER: P723855

CATALOG NUMBER: IFLD-M-SA4E-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°	1269.2	1395.7	1437.9	1452.0	1480.1	1511.7	1522.3	1490.7	1409.8	1286.7	1135.6
-25°	1402.8	1466.0	1466.0	1497.7	1525.8	1539.9	1529.3	1494.2	1395.7	1269.2	1118.0
-27.5°	1504.7	1501.2	1518.8	1550.4	1575.0	1575.0	1546.9	1476.6	1374.6	1251.6	1093.4
-30°	1543.4	1546.9	1571.5	1606.7	1613.7	1596.1	1553.9	1462.5	1357.1	1223.5	1061.7
-32.5°	1582.1	1596.1	1627.8	1645.3	1648.9	1613.7	1536.4	1437.9	1328.9	1191.8	1026.6
-35°	1627.8	1655.9	1673.5	1677.0	1659.4	1599.6	1511.7	1406.3	1286.7	1146.1	994.9
-37.5°	1687.5	1701.6	1712.1	1698.1	1648.9	1578.5	1469.6	1364.1	1248.1	1096.9	949.2
-40°	1726.2	1733.2	1736.7	1691.0	1631.3	1529.3	1423.9	1314.9	1181.3	1040.6	900.0
-42.5°	1750.8	1743.8	1715.7	1666.4	1578.5	1480.1	1378.1	1255.1	1121.5	984.4	847.3
-45°	1743.8	1719.2	1677.0	1617.2	1525.8	1427.4	1307.8	1184.8	1058.2	924.6	787.5
-47.5°	1715.7	1677.0	1624.2	1553.9	1469.6	1350.0	1230.5	1111.0	987.9	857.8	731.3
-50°	1680.5	1634.8	1571.5	1483.6	1371.1	1262.1	1153.1	1037.1	910.6	791.0	678.5
-52.5°	1641.8	1592.6	1511.7	1413.3	1290.3	1177.8	1072.3	959.8	843.8	731.3	632.8
-55°	1599.6	1550.4	1459.0	1346.5	1223.5	1100.4	998.5	903.5	791.0	682.0	594.2
-57.5°	1578.5	1515.3	1420.3	1307.8	1177.8	1051.2	963.3	861.3	759.4	646.9	562.5
-60°	1561.0	1497.7	1409.8	1279.7	1156.7	1037.1	935.2	836.7	727.7	622.3	537.9
-62.5°	1511.7	1444.9	1364.1	1237.5	1118.0	1009.0	917.6	801.6	696.1	597.7	520.3
-65°	1413.3	1343.0	1272.7	1160.2	1051.2	949.2	857.8	752.4	653.9	569.5	502.7
-67.5°	1258.6	1198.8	1135.6	1040.6	949.2	857.8	773.5	682.0	601.2	541.4	506.3
-70°	1086.3	1023.1	959.8	882.4	805.1	731.3	664.5	597.7	544.9	513.3	485.2
-72.5°	791.0	762.9	731.3	671.5	608.2	562.5	530.9	502.7	464.1	435.9	418.4
-75°	527.4	488.7	439.5	418.4	421.9	414.9	397.3	376.2	358.6	348.1	323.4
-77.5°	411.3	390.2	365.6	341.0	330.5	319.9	305.9	288.3	274.2	249.6	214.5
-80°	379.7	362.1	344.5	327.0	309.4	284.8	256.6	228.5	214.5	203.9	200.4
-82.5°	312.9	291.8	270.7	253.1	228.5	210.9	193.4	179.3	179.3	175.8	172.3
-85°	179.3	172.3	161.7	154.7	147.7	137.1	126.6	119.5	116.0	112.5	109.0
-87.5°	91.4	87.9	80.9	77.3	73.8	70.3	63.3	59.8	56.3	56.3	52.7
-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-M-SA4E-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°	17.6	17.6	14.1	14.1	14.1	10.5	7.0	7.0	3.5	3.5	0.0
85°	42.2	35.2	31.6	28.1	28.1	21.1	14.1	10.5	7.0	3.5	3.5
82.5°	80.9	70.3	59.8	52.7	42.2	31.6	24.6	17.6	10.5	7.0	3.5
80°	91.4	91.4	87.9	73.8	59.8	45.7	31.6	21.1	14.1	10.5	7.0
77.5°	70.3	77.3	77.3	77.3	73.8	56.3	38.7	24.6	14.1	10.5	7.0
75°	80.9	70.3	66.8	70.3	66.8	56.3	45.7	28.1	17.6	14.1	7.0
72.5°	98.4	84.4	73.8	70.3	63.3	52.7	42.2	31.6	17.6	14.1	10.5
70°	91.4	87.9	80.9	73.8	63.3	52.7	42.2	31.6	21.1	14.1	10.5
67.5°	80.9	80.9	80.9	73.8	63.3	49.2	38.7	28.1	21.1	14.1	10.5
65°	56.3	66.8	73.8	70.3	63.3	49.2	38.7	28.1	21.1	17.6	10.5
62.5°	35.2	45.7	59.8	66.8	59.8	49.2	35.2	28.1	21.1	17.6	10.5
60°	31.6	35.2	42.2	52.7	56.3	45.7	35.2	24.6	21.1	17.6	10.5
57.5°	31.6	31.6	35.2	42.2	45.7	42.2	31.6	21.1	21.1	17.6	14.1
55°	35.2	31.6	31.6	35.2	38.7	38.7	31.6	21.1	21.1	17.6	14.1
52.5°	42.2	35.2	31.6	31.6	31.6	35.2	28.1	21.1	21.1	17.6	14.1
50°	52.7	42.2	38.7	31.6	31.6	31.6	28.1	21.1	17.6	17.6	14.1
47.5°	70.3	56.3	42.2	38.7	31.6	28.1	24.6	21.1	17.6	17.6	14.1
45°	105.5	66.8	56.3	42.2	35.2	31.6	28.1	21.1	17.6	17.6	14.1
42.5°	144.1	98.4	70.3	49.2	38.7	31.6	28.1	24.6	17.6	17.6	14.1
40°	182.8	133.6	87.9	63.3	45.7	35.2	28.1	24.6	21.1	17.6	14.1
37.5°	225.0	165.2	116.0	80.9	52.7	38.7	31.6	24.6	21.1	17.6	14.1
35°	277.7	207.4	144.1	98.4	63.3	45.7	35.2	24.6	21.1	17.6	14.1
32.5°	337.5	246.1	172.3	119.5	80.9	56.3	38.7	28.1	21.1	17.6	14.1
30°	393.8	291.8	203.9	144.1	98.4	63.3	42.2	28.1	21.1	17.6	10.5
27.5°	450.0	337.5	242.6	168.8	119.5	73.8	45.7	31.6	21.1	17.6	14.1
25°	506.3	383.2	281.3	193.4	137.1	87.9	56.3	35.2	21.1	17.6	14.1
22.5°	555.5	428.9	316.4	221.5	158.2	102.0	63.3	38.7	24.6	17.6	14.1
20°	611.7	478.1	355.1	253.1	175.8	116.0	70.3	42.2	24.6	17.6	14.1
17.5°	664.5	527.4	393.8	281.3	196.9	130.1	80.9	45.7	28.1	17.6	14.1
15°	717.2	573.1	428.9	309.4	218.0	144.1	87.9	49.2	31.6	17.6	14.1
12.5°	766.4	615.2	460.6	334.0	235.6	158.2	94.9	52.7	35.2	17.6	14.1
10°	812.1	653.9	492.2	355.1	253.1	168.8	102.0	59.8	38.7	17.6	14.1
7.5°	857.8	685.6	516.8	376.2	274.2	182.8	109.0	63.3	42.2	21.1	14.1
5°	886.0	713.7	537.9	393.8	291.8	196.9	116.0	66.8	45.7	21.1	14.1
2.5°	910.6	734.8	552.0	411.3	309.4	207.4	116.0	70.3	49.2	21.1	14.1
0°	924.6	748.8	562.5	421.9	323.4	214.5	119.5	73.8	52.7	21.1	14.1
-2.5°	956.3	773.5	587.1	435.9	337.5	235.6	126.6	77.3	56.3	24.6	14.1
-5°	977.4	787.5	604.7	450.0	348.1	256.6	137.1	84.4	63.3	31.6	17.6
-7.5°	994.9	801.6	618.8	457.0	358.6	263.7	140.6	87.9	66.8	35.2	17.6
-10°	998.5	808.6	629.3	467.6	365.6	274.2	144.1	91.4	70.3	38.7	17.6
-12.5°	1002.0	815.6	632.8	474.6	372.7	281.3	147.7	94.9	73.8	42.2	17.6
-15°	998.5	812.1	632.8	481.6	376.2	274.2	154.7	98.4	77.3	45.7	17.6
-17.5°	991.4	808.6	629.3	478.1	372.7	267.2	158.2	105.5	77.3	49.2	21.1
-20°	980.9	798.1	622.3	474.6	369.1	260.2	161.7	109.0	80.9	49.2	21.1



REPORT NUMBER: P723855

CATALOG NUMBER: IFLD-M-SA4E-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°	963.3	780.5	608.2	464.1	362.1	253.1	161.7	116.0	84.4	49.2	21.1
-25°	942.2	762.9	594.2	450.0	351.6	242.6	161.7	119.5	87.9	49.2	21.1
-27.5°	917.6	745.3	573.1	439.5	337.5	235.6	161.7	123.0	91.4	49.2	21.1
-30°	889.5	720.7	555.5	421.9	327.0	235.6	165.2	126.6	94.9	49.2	21.1
-32.5°	861.3	696.1	534.4	407.8	312.9	232.0	165.2	130.1	98.4	45.7	24.6
-35°	829.7	668.0	516.8	397.3	302.3	225.0	168.8	130.1	94.9	45.7	24.6
-37.5°	791.0	632.8	499.2	386.7	295.3	218.0	168.8	133.6	91.4	45.7	24.6
-40°	748.8	604.7	478.1	372.7	284.8	214.5	168.8	133.6	87.9	45.7	28.1
-42.5°	703.1	573.1	457.0	358.6	274.2	210.9	168.8	133.6	84.4	45.7	28.1
-45°	660.9	541.4	432.4	341.0	263.7	210.9	168.8	130.1	77.3	49.2	28.1
-47.5°	615.2	506.3	404.3	323.4	260.2	207.4	165.2	123.0	70.3	49.2	28.1
-50°	576.6	471.1	383.2	305.9	253.1	210.9	168.8	112.5	70.3	49.2	28.1
-52.5°	537.9	446.5	358.6	298.8	246.1	214.5	165.2	105.5	70.3	49.2	28.1
-55°	506.3	421.9	344.5	288.3	253.1	221.5	158.2	94.9	70.3	49.2	28.1
-57.5°	481.6	407.8	334.0	291.8	263.7	214.5	147.7	91.4	70.3	45.7	28.1
-60°	464.1	393.8	337.5	305.9	267.2	203.9	140.6	91.4	70.3	45.7	24.6
-62.5°	450.0	397.3	355.1	316.4	253.1	189.8	133.6	91.4	63.3	42.2	24.6
-65°	453.5	411.3	362.1	302.3	242.6	175.8	123.0	87.9	59.8	38.7	24.6
-67.5°	464.1	400.8	341.0	284.8	218.0	158.2	112.5	80.9	56.3	38.7	24.6
-70°	428.9	369.1	309.4	242.6	186.3	137.1	105.5	73.8	49.2	35.2	24.6
-72.5°	386.7	309.4	246.1	196.9	158.2	126.6	94.9	66.8	45.7	31.6	21.1
-75°	281.3	225.0	182.8	165.2	140.6	112.5	84.4	59.8	42.2	31.6	21.1
-77.5°	200.4	186.3	168.8	151.2	126.6	98.4	73.8	56.3	38.7	28.1	17.6
-80°	196.9	179.3	158.2	130.1	105.5	84.4	63.3	49.2	35.2	24.6	14.1
-82.5°	165.2	140.6	119.5	98.4	80.9	66.8	52.7	38.7	28.1	17.6	10.5
-85°	102.0	87.9	77.3	66.8	56.3	45.7	35.2	24.6	17.6	10.5	7.0
-87.5°	49.2	45.7	38.7	31.6	28.1	21.1	17.6	14.1	10.5	7.0	3.5
-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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CATALOG NUMBER: IFLD-M-SA4E-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°	3.5	0.0	0.0	0.0
80°	3.5	0.0	0.0	0.0
77.5°	3.5	0.0	0.0	0.0
75°	3.5	3.5	0.0	0.0
72.5°	3.5	3.5	0.0	0.0
70°	7.0	3.5	3.5	0.0
67.5°	7.0	3.5	3.5	0.0
65°	7.0	3.5	3.5	0.0
62.5°	7.0	3.5	3.5	0.0
60°	7.0	3.5	3.5	0.0
57.5°	7.0	3.5	3.5	0.0
55°	7.0	3.5	3.5	0.0
52.5°	7.0	3.5	3.5	0.0
50°	7.0	3.5	3.5	0.0
47.5°	7.0	7.0	3.5	0.0
45°	7.0	7.0	3.5	0.0
42.5°	7.0	7.0	3.5	0.0
40°	7.0	7.0	3.5	0.0
37.5°	7.0	7.0	3.5	0.0
35°	7.0	7.0	3.5	0.0
32.5°	10.5	7.0	3.5	0.0
30°	10.5	7.0	7.0	0.0
27.5°	10.5	7.0	7.0	0.0
25°	10.5	7.0	7.0	0.0
22.5°	10.5	7.0	7.0	0.0
20°	10.5	7.0	7.0	0.0
17.5°	10.5	7.0	7.0	0.0
15°	10.5	7.0	7.0	0.0
12.5°	10.5	7.0	7.0	0.0
10°	10.5	7.0	7.0	0.0
7.5°	10.5	7.0	7.0	0.0
5°	10.5	7.0	7.0	0.0
2.5°	10.5	7.0	7.0	0.0
0°	10.5	7.0	7.0	0.0
-2.5°	10.5	7.0	7.0	0.0
-5°	10.5	7.0	7.0	0.0
-7.5°	10.5	7.0	7.0	0.0
-10°	10.5	7.0	7.0	0.0
-12.5°	14.1	7.0	7.0	0.0
-15°	14.1	7.0	7.0	0.0
-17.5°	14.1	7.0	7.0	0.0
-20°	14.1	7.0	7.0	0.0

REPORT NUMBER: P723855

CATALOG NUMBER: IFLD-M-SA4E-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	14.1	7.0	7.0	0.0
-25°	14.1	7.0	7.0	0.0
-27.5°	14.1	7.0	7.0	0.0
-30°	14.1	7.0	7.0	0.0
-32.5°	14.1	7.0	7.0	0.0
-35°	14.1	7.0	7.0	0.0
-37.5°	14.1	7.0	7.0	0.0
-40°	14.1	7.0	7.0	0.0
-42.5°	10.5	7.0	3.5	0.0
-45°	14.1	7.0	3.5	0.0
-47.5°	14.1	7.0	3.5	0.0
-50°	14.1	7.0	3.5	0.0
-52.5°	14.1	7.0	3.5	0.0
-55°	14.1	7.0	3.5	0.0
-57.5°	14.1	7.0	3.5	0.0
-60°	14.1	7.0	3.5	0.0
-62.5°	14.1	7.0	3.5	0.0
-65°	14.1	7.0	3.5	0.0
-67.5°	14.1	7.0	3.5	0.0
-70°	14.1	3.5	3.5	0.0
-72.5°	10.5	3.5	3.5	0.0
-75°	10.5	3.5	3.5	0.0
-77.5°	7.0	3.5	0.0	0.0
-80°	7.0	3.5	0.0	0.0
-82.5°	7.0	3.5	0.0	0.0
-85°	3.5	0.0	0.0	0.0
-87.5°	3.5	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)