

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: P723832

Luminaire Tested: **IFLD-L-SA8A-827-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723832
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-827-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	13330.9 lumens	Max Intensity:	313630.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	53.8 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 1' 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:	4834.3 lumens	Field Lumens:	7706.9 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

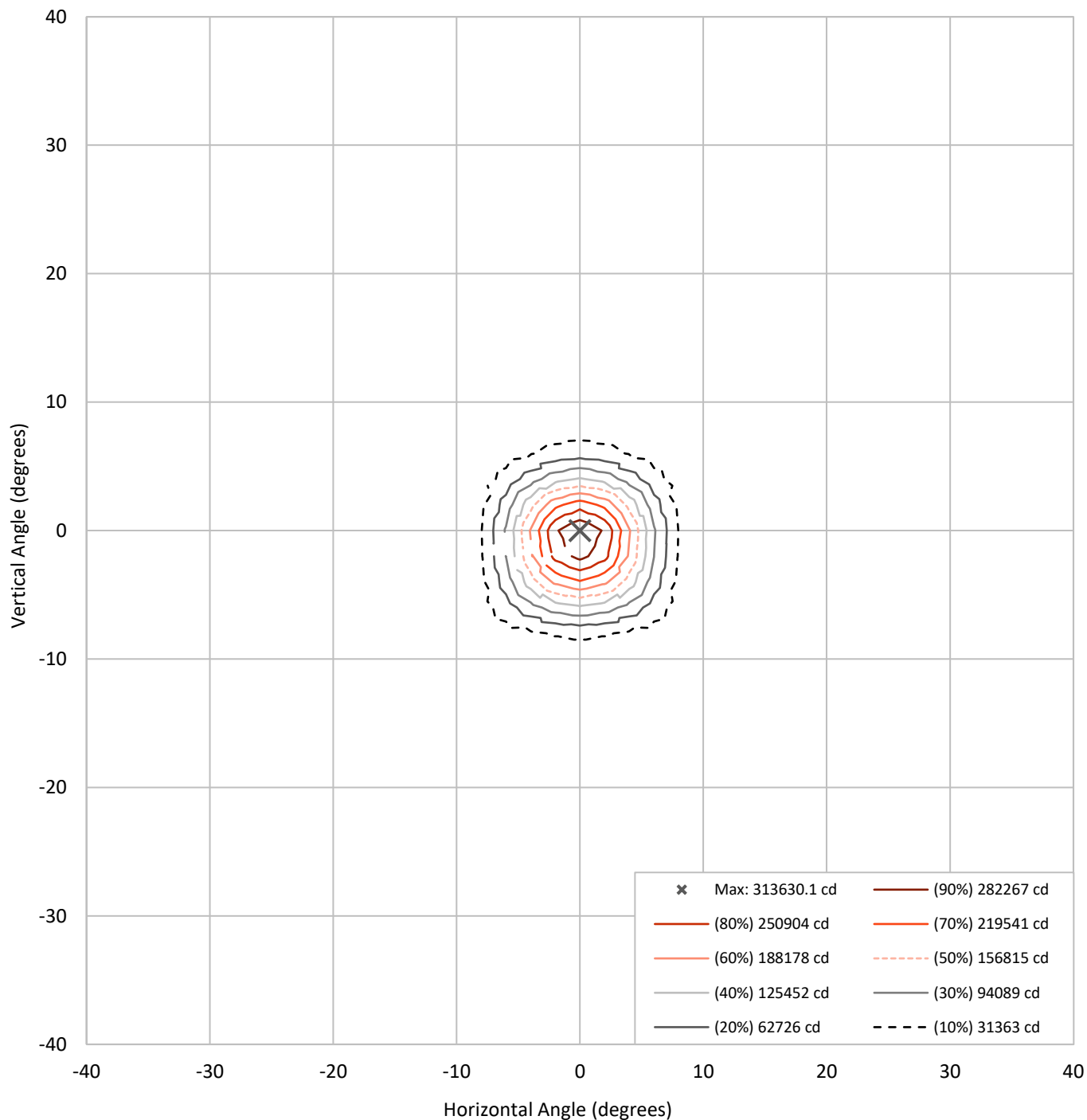
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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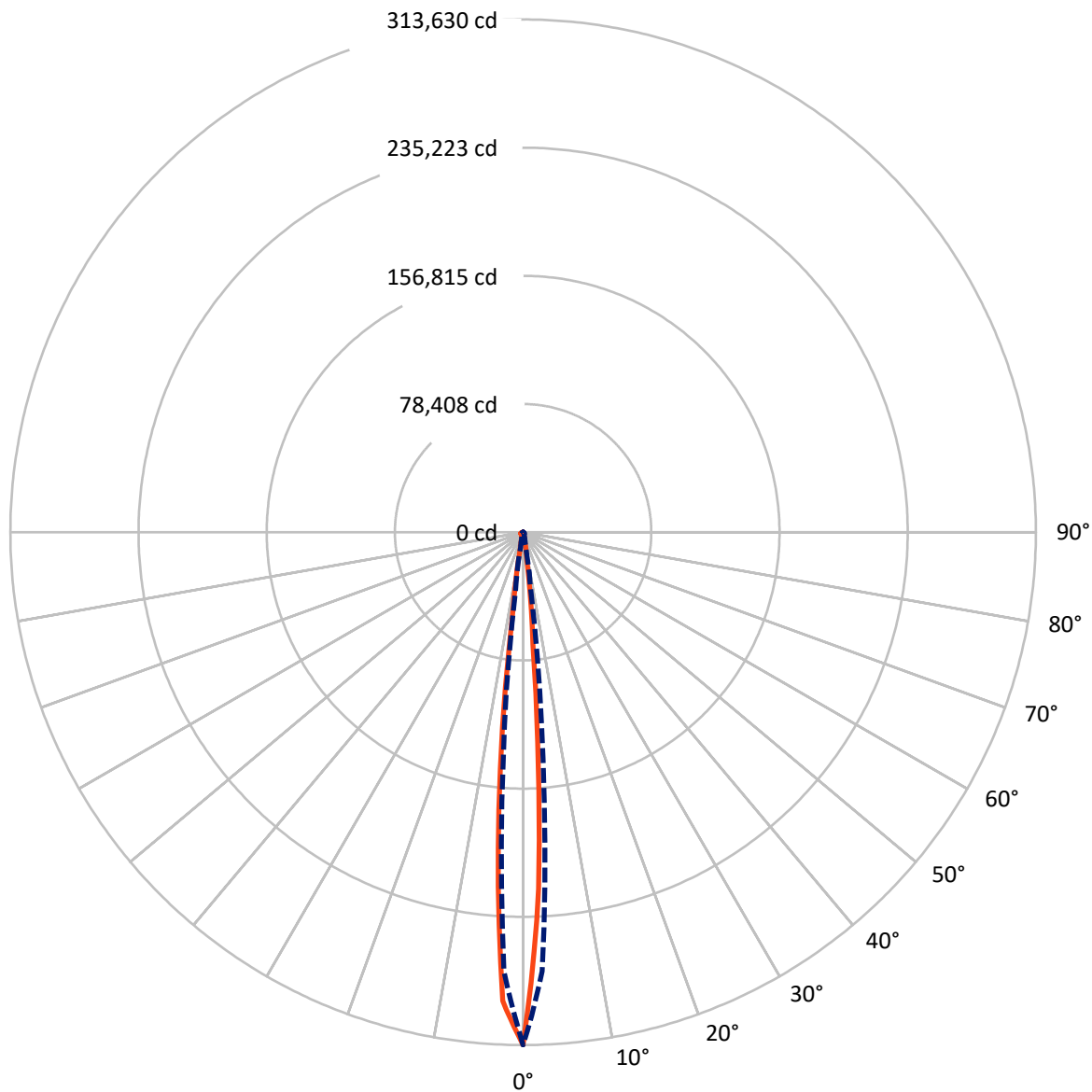
Lumen Table

90																			
80	0.2	3.0		3.2		1.2		0.3		1.2		3.2		3.0		0.2			
70																			
60	0.3	0.7	0.9	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.6	0.9	0.7	0.3			
50		0.4	0.6	1.6	3.4	5.6	7.2	8.3	8.3	7.2	5.6	3.4	1.6	0.6	0.4				
40	0.3	0.4	1.8	6.1	12.0	17.5	21.0	23.3	23.3	21.0	17.5	12.0	6.1	1.8	0.4	0.3			
30		0.9	4.6	12.5	20.3	23.8	25.7	26.6	26.6	25.7	23.8	20.3	12.5	4.6	0.9				
20	0.5	1.7	7.9	18.2	23.5	24.2	28.5	34.4	34.4	28.5	24.2	23.5	18.2	7.9	1.7	0.5			
10		2.7	11.1	22.3	25.0	28.2	49.7	84.6	84.6	49.7	28.2	25.0	22.3	11.1	2.7				
0	0.9	3.5	13.6	24.5	26.0	34.9	94.4	1750.0	1750.0	94.4	34.9	26.0	24.5	13.6	3.5	0.9			
-10		4.1	14.9	25.7	26.9	36.1	101.7	2551.7	2551.7	101.7	36.1	26.9	25.7	14.9	4.1				
-20	1.3	4.4	15.3	27.1	29.1	32.5	59.1	113.5	113.5	59.1	32.5	29.1	27.1	15.3	4.4	1.3			
-30		4.1	14.5	27.4	32.7	32.8	38.3	46.7	46.7	38.3	32.8	32.7	27.4	14.5	4.1				
-40	1.4	3.7	12.8	26.2	36.0	39.2	40.8	41.2	41.2	40.8	39.2	36.0	26.2	12.8	3.7	1.4			
-50		3.2	10.3	22.3	34.7	42.2	47.3	49.6	49.6	47.3	42.2	34.7	22.3	10.3	3.2				
-60	1.1	2.9	8.0	17.3	29.6	39.7	46.2	48.8	48.8	46.2	39.7	29.6	17.3	8.0	2.9	1.1			
-70		2.7	7.0	14.1	24.7	34.8	42.1	45.4	45.4	42.1	34.8	24.7	14.1	7.0	2.7				
-80	0.5	8.2		24.6		45.5		50.2		45.5		24.6		8.2		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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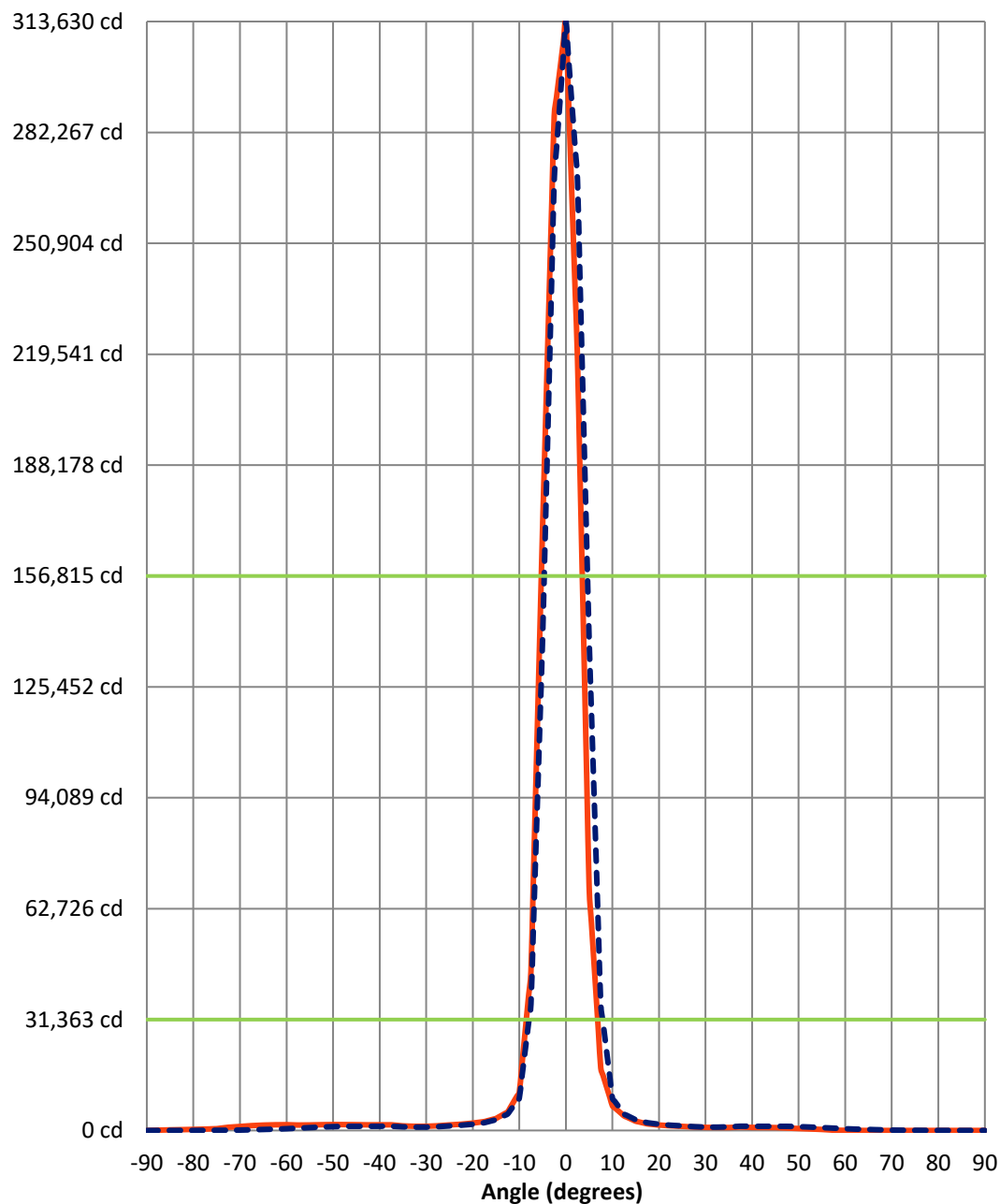
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4834.3

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7706.9

Efficiency: 57.8%

Spill:

Lumens: 5624.1

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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	0.0	3.1	3.1	6.2	6.2	6.2	9.2	12.3	15.4	15.4	18.5
82.5°	0.0	3.1	3.1	6.2	6.2	9.2	9.2	15.4	18.5	21.5	27.7
80°	3.1	3.1	3.1	6.2	6.2	9.2	9.2	12.3	15.4	21.5	24.6
77.5°	0.0	3.1	3.1	3.1	6.2	6.2	6.2	9.2	12.3	15.4	18.5
75°	0.0	3.1	3.1	3.1	6.2	6.2	6.2	6.2	9.2	9.2	12.3
72.5°	0.0	0.0	0.0	3.1	3.1	6.2	6.2	6.2	9.2	9.2	9.2
70°	0.0	0.0	0.0	3.1	3.1	6.2	6.2	6.2	9.2	9.2	9.2
67.5°	0.0	0.0	0.0	3.1	3.1	6.2	6.2	6.2	9.2	9.2	9.2
65°	0.0	0.0	0.0	3.1	3.1	6.2	6.2	9.2	9.2	9.2	9.2
62.5°	3.1	3.1	3.1	6.2	9.2	9.2	12.3	15.4	15.4	15.4	15.4
60°	30.8	33.9	36.9	36.9	33.9	33.9	36.9	36.9	36.9	36.9	36.9
57.5°	83.1	89.2	92.3	92.3	92.3	89.2	101.6	104.6	92.3	86.2	95.4
55°	289.3	298.5	292.4	283.1	264.7	243.1	237.0	233.9	237.0	221.6	197.0
52.5°	421.6	430.8	427.8	421.6	409.3	393.9	381.6	369.3	357.0	332.4	304.7
50°	547.8	550.9	547.8	541.6	529.3	513.9	489.3	461.6	437.0	430.8	406.2
47.5°	689.3	698.6	698.6	695.5	686.3	658.6	621.6	581.6	563.2	557.0	532.4
45°	815.5	821.7	824.7	827.8	824.7	797.0	763.2	741.7	701.6	689.3	689.3
42.5°	849.4	852.4	855.5	858.6	867.8	846.3	818.6	781.7	772.4	769.3	763.2
40°	861.7	855.5	858.6	861.7	864.7	849.4	827.8	806.3	800.1	794.0	794.0
37.5°	978.6	950.9	929.4	910.9	895.5	880.1	858.6	840.1	824.7	812.4	824.7
35°	834.0	834.0	855.5	874.0	892.4	910.9	914.0	892.4	858.6	843.2	864.7
32.5°	852.4	852.4	852.4	858.6	864.7	880.1	895.5	904.8	929.4	901.7	901.7
30°	870.9	874.0	880.1	883.2	874.0	867.8	861.7	861.7	877.1	917.1	938.6
27.5°	978.6	978.6	969.4	957.1	929.4	886.3	864.7	834.0	837.1	855.5	907.8
25°	1154.0	1147.9	1126.3	1095.6	1046.3	984.8	926.3	861.7	834.0	824.7	846.3
22.5°	1320.2	1311.0	1283.3	1255.6	1215.6	1154.0	1055.5	957.1	870.9	834.0	824.7
20°	1532.5	1511.0	1480.2	1437.1	1372.5	1311.0	1224.8	1095.6	969.4	874.0	837.1
17.5°	1874.1	1846.4	1788.0	1711.0	1600.2	1504.8	1381.8	1258.7	1117.1	963.2	880.1
15°	2621.9	2551.2	2449.6	2237.3	2018.8	1837.2	1652.6	1446.4	1301.7	1098.6	972.5
12.5°	4123.7	3929.8	3634.4	3138.9	2649.6	2228.0	1929.5	1664.9	1431.0	1243.3	1064.8
10°	6979.5	6564.1	5748.6	4394.5	3492.8	2717.3	2181.9	1828.0	1532.5	1338.7	1141.7
7.5°	17652.0	14399.2	10189.3	6958.0	4569.9	3320.5	2495.8	1981.8	1640.3	1400.2	1203.3
5°	68798.3	56673.4	30232.4	12617.3	6874.9	4016.0	2778.9	2104.9	1711.0	1446.4	1249.4
2.5°	218344.6	188555.4	98926.1	27161.1	8441.3	4523.8	2972.8	2181.9	1751.0	1480.2	1283.3
0°	313630.1	268792.4	138836.9	35722.5	9155.3	4653.0	3034.3	2197.3	1757.2	1486.4	1283.3
-2.5°	286918.3	251109.7	134116.2	33242.1	9355.3	4690.0	3083.6	2249.6	1803.4	1514.1	1292.5
-5°	170484.9	149540.1	93556.0	23702.1	8312.1	4354.5	2954.3	2203.4	1772.6	1498.7	1286.4
-7.5°	44917.7	38886.0	25579.3	12368.1	5379.3	3683.6	2714.3	2126.5	1732.6	1471.0	1261.7
-10°	10829.4	10263.1	9167.6	5619.3	4188.3	3077.4	2406.5	1988.0	1652.6	1434.1	1221.7
-12.5°	5222.3	5099.3	4628.4	3816.0	3108.2	2557.3	2178.8	1843.4	1578.7	1369.4	1166.3
-15°	3397.4	3326.7	3166.6	2855.8	2495.8	2231.1	1966.5	1695.6	1486.4	1274.0	1120.2
-17.5°	2514.2	2511.2	2431.1	2314.2	2135.7	1938.8	1744.9	1572.6	1369.4	1187.9	1070.9
-20°	2083.4	2083.4	2037.2	1960.3	1834.1	1704.9	1575.6	1415.6	1249.4	1114.0	1064.8



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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°	1769.5	1772.6	1748.0	1698.7	1631.0	1523.3	1397.1	1267.9	1147.9	1098.6	1083.2
-25°	1566.4	1560.2	1532.5	1486.4	1415.6	1329.4	1246.3	1160.2	1126.3	1114.0	1135.6
-27.5°	1326.4	1335.6	1323.3	1301.7	1255.6	1194.0	1175.6	1150.9	1157.1	1175.6	1258.7
-30°	1184.8	1194.0	1206.3	1215.6	1200.2	1184.8	1191.0	1209.4	1249.4	1320.2	1351.0
-32.5°	1184.8	1187.9	1206.3	1224.8	1234.0	1246.3	1280.2	1341.7	1400.2	1381.8	1375.6
-35°	1292.5	1283.3	1307.9	1332.5	1366.4	1409.4	1446.4	1434.1	1412.5	1406.4	1412.5
-37.5°	1600.2	1541.8	1517.2	1501.8	1492.5	1486.4	1477.2	1467.9	1458.7	1452.5	1461.8
-40°	1597.2	1581.8	1566.4	1554.1	1544.9	1532.5	1526.4	1523.3	1514.1	1507.9	1501.8
-42.5°	1591.0	1597.2	1597.2	1594.1	1597.2	1594.1	1584.9	1572.6	1557.2	1544.9	1532.5
-45°	1637.2	1640.3	1646.4	1652.6	1661.8	1649.5	1631.0	1609.5	1587.9	1569.5	1554.1
-47.5°	1664.9	1668.0	1674.1	1683.3	1689.5	1677.2	1652.6	1624.9	1591.0	1560.2	1529.5
-50°	1674.1	1683.3	1686.4	1686.4	1683.3	1668.0	1631.0	1591.0	1554.1	1523.3	1495.6
-52.5°	1631.0	1640.3	1643.3	1637.2	1634.1	1618.7	1584.9	1547.9	1507.9	1486.4	1461.8
-55°	1560.2	1572.6	1581.8	1581.8	1581.8	1578.7	1547.9	1514.1	1483.3	1458.7	1434.1
-57.5°	1532.5	1554.1	1572.6	1575.6	1578.7	1581.8	1560.2	1526.4	1489.5	1452.5	1421.8
-60°	1634.1	1652.6	1661.8	1649.5	1640.3	1631.0	1597.2	1557.2	1520.2	1483.3	1424.8
-62.5°	1606.4	1637.2	1652.6	1643.3	1631.0	1615.6	1578.7	1532.5	1489.5	1449.5	1391.0
-65°	1517.2	1544.9	1563.3	1547.9	1529.5	1507.9	1474.1	1431.0	1391.0	1351.0	1298.7
-67.5°	1366.4	1406.4	1437.1	1403.3	1378.7	1351.0	1323.3	1286.4	1246.3	1200.2	1150.9
-70°	1129.4	1160.2	1187.9	1178.6	1172.5	1166.3	1147.9	1110.9	1077.1	1040.2	997.1
-72.5°	907.8	935.5	960.1	944.8	932.5	914.0	886.3	846.3	806.3	766.3	726.3
-75°	501.6	510.8	520.1	517.0	517.0	517.0	517.0	520.1	513.9	504.7	486.2
-77.5°	384.7	397.0	406.2	412.4	421.6	433.9	443.1	427.8	412.4	397.0	378.5
-80°	301.6	313.9	323.1	357.0	381.6	409.3	427.8	406.2	384.7	366.2	350.8
-82.5°	227.7	237.0	246.2	264.7	277.0	292.4	304.7	304.7	301.6	298.5	289.3
-85°	166.2	178.5	190.8	197.0	206.2	206.2	209.3	197.0	184.6	175.4	163.1
-87.5°	95.4	98.5	98.5	98.5	101.6	101.6	101.6	95.4	92.3	86.2	83.1
-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°	3.1	3.1	3.1	6.2	6.2	9.2	9.2	12.3	12.3	15.4	15.4
85°	18.5	18.5	18.5	21.5	21.5	24.6	27.7	30.8	33.9	33.9	36.9
82.5°	30.8	33.9	36.9	40.0	43.1	46.2	49.2	52.3	61.5	67.7	70.8
80°	30.8	33.9	43.1	49.2	55.4	61.5	61.5	61.5	61.5	64.6	70.8
77.5°	21.5	24.6	27.7	33.9	49.2	61.5	70.8	76.9	70.8	67.7	61.5
75°	12.3	15.4	18.5	21.5	30.8	43.1	58.5	73.9	86.2	83.1	76.9
72.5°	12.3	12.3	15.4	18.5	21.5	24.6	27.7	43.1	61.5	76.9	86.2
70°	12.3	15.4	15.4	18.5	21.5	24.6	27.7	33.9	43.1	61.5	80.0
67.5°	12.3	15.4	15.4	21.5	27.7	30.8	33.9	30.8	27.7	40.0	58.5
65°	12.3	12.3	15.4	18.5	21.5	24.6	33.9	33.9	30.8	30.8	30.8
62.5°	18.5	18.5	18.5	18.5	21.5	21.5	21.5	27.7	27.7	27.7	27.7
60°	36.9	33.9	33.9	33.9	33.9	27.7	27.7	27.7	24.6	27.7	24.6
57.5°	89.2	73.9	67.7	67.7	58.5	55.4	46.2	33.9	33.9	27.7	27.7
55°	181.6	172.3	144.6	120.0	107.7	95.4	73.9	61.5	46.2	36.9	33.9
52.5°	280.0	255.4	230.8	200.0	169.3	144.6	123.1	95.4	76.9	55.4	43.1
50°	366.2	344.7	317.0	283.1	243.1	212.3	181.6	144.6	113.9	86.2	61.5
47.5°	498.5	455.5	421.6	381.6	335.4	292.4	252.3	209.3	160.0	126.2	95.4
45°	640.1	578.6	532.4	495.5	433.9	375.4	329.3	283.1	224.7	166.2	129.3
42.5°	738.6	692.4	630.9	581.6	526.2	464.7	403.1	353.9	292.4	224.7	166.2
40°	790.9	760.1	710.9	667.8	609.3	541.6	477.0	427.8	363.1	289.3	209.3
37.5°	830.9	815.5	790.9	757.0	701.6	621.6	557.0	498.5	443.1	357.0	270.8
35°	877.1	874.0	858.6	843.2	797.0	720.1	643.2	575.5	507.8	427.8	332.4
32.5°	920.1	917.1	907.8	901.7	883.2	815.5	732.4	655.5	578.6	495.5	390.8
30°	941.7	935.5	935.5	941.7	923.2	880.1	818.6	735.5	649.3	550.9	452.4
27.5°	941.7	935.5	938.6	947.8	944.8	923.2	877.1	809.4	714.0	603.2	507.8
25°	901.7	932.5	932.5	944.8	947.8	941.7	917.1	874.0	775.5	658.6	550.9
22.5°	846.3	920.1	947.8	944.8	947.8	963.2	966.3	926.3	834.0	714.0	593.9
20°	846.3	898.6	978.6	957.1	963.2	997.1	1012.5	978.6	895.5	766.3	637.0
17.5°	864.7	898.6	966.3	1000.2	1009.4	1037.1	1061.7	1040.2	950.9	821.7	695.5
15°	917.1	910.9	957.1	1040.2	1055.5	1077.1	1104.8	1080.2	1000.2	883.2	750.9
12.5°	954.0	920.1	957.1	1046.3	1095.6	1117.1	1126.3	1107.9	1043.2	938.6	806.3
10°	1003.2	944.8	963.2	1040.2	1110.9	1126.3	1135.6	1129.4	1083.2	984.8	855.5
7.5°	1040.2	957.1	957.1	1030.9	1126.3	1138.6	1144.8	1150.9	1117.1	1024.8	898.6
5°	1055.5	957.1	950.9	1021.7	1141.7	1154.0	1154.0	1163.3	1141.7	1055.5	929.4
2.5°	1058.6	954.0	944.8	1015.5	1169.4	1169.4	1163.3	1172.5	1160.2	1074.0	950.9
0°	1074.0	950.9	941.7	1024.8	1200.2	1187.9	1172.5	1175.6	1169.4	1083.2	963.2
-2.5°	1074.0	966.3	954.0	1030.9	1197.1	1194.0	1187.9	1191.0	1184.8	1110.9	987.8
-5°	1089.4	987.8	975.5	1058.6	1194.0	1203.3	1206.3	1206.3	1197.1	1129.4	1003.2
-7.5°	1092.5	1003.2	1000.2	1086.3	1200.2	1215.6	1224.8	1231.0	1212.5	1141.7	1015.5
-10°	1077.1	1009.4	1024.8	1120.2	1206.3	1227.9	1246.3	1255.6	1224.8	1147.9	1021.7
-12.5°	1043.2	1009.4	1049.4	1163.3	1221.7	1246.3	1274.0	1277.1	1237.1	1150.9	1024.8
-15°	1040.2	1034.0	1092.5	1206.3	1231.0	1261.7	1304.8	1295.6	1246.3	1150.9	1024.8
-17.5°	1037.1	1067.9	1157.1	1221.7	1246.3	1280.2	1314.0	1304.8	1252.5	1150.9	1018.6
-20°	1064.8	1123.3	1234.0	1237.1	1264.8	1301.7	1320.2	1301.7	1243.3	1141.7	1009.4

REPORT NUMBER: P723832

CATALOG NUMBER: IFLD-L-SA8A-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°	1110.9	1221.7	1258.7	1271.0	1295.6	1323.3	1332.5	1304.8	1234.0	1126.3	994.0
-25°	1227.9	1283.3	1283.3	1311.0	1335.6	1347.9	1338.7	1307.9	1221.7	1110.9	978.6
-27.5°	1317.1	1314.0	1329.4	1357.1	1378.7	1378.7	1354.1	1292.5	1203.3	1095.6	957.1
-30°	1351.0	1354.1	1375.6	1406.4	1412.5	1397.1	1360.2	1280.2	1187.9	1070.9	929.4
-32.5°	1384.8	1397.1	1424.8	1440.2	1443.3	1412.5	1344.8	1258.7	1163.3	1043.2	898.6
-35°	1424.8	1449.5	1464.8	1467.9	1452.5	1400.2	1323.3	1231.0	1126.3	1003.2	870.9
-37.5°	1477.2	1489.5	1498.7	1486.4	1443.3	1381.8	1286.4	1194.0	1092.5	960.1	830.9
-40°	1511.0	1517.2	1520.2	1480.2	1427.9	1338.7	1246.3	1150.9	1034.0	910.9	787.8
-42.5°	1532.5	1526.4	1501.8	1458.7	1381.8	1295.6	1206.3	1098.6	981.7	861.7	741.7
-45°	1526.4	1504.8	1467.9	1415.6	1335.6	1249.4	1144.8	1037.1	926.3	809.4	689.3
-47.5°	1501.8	1467.9	1421.8	1360.2	1286.4	1181.7	1077.1	972.5	864.7	750.9	640.1
-50°	1471.0	1431.0	1375.6	1298.7	1200.2	1104.8	1009.4	907.8	797.0	692.4	593.9
-52.5°	1437.1	1394.1	1323.3	1237.1	1129.4	1030.9	938.6	840.1	738.6	640.1	553.9
-55°	1400.2	1357.1	1277.1	1178.6	1070.9	963.2	874.0	790.9	692.4	597.0	520.1
-57.5°	1381.8	1326.4	1243.3	1144.8	1030.9	920.1	843.2	754.0	664.7	566.2	492.4
-60°	1366.4	1311.0	1234.0	1120.2	1012.5	907.8	818.6	732.4	637.0	544.7	470.8
-62.5°	1323.3	1264.8	1194.0	1083.2	978.6	883.2	803.2	701.6	609.3	523.2	455.5
-65°	1237.1	1175.6	1114.0	1015.5	920.1	830.9	750.9	658.6	572.4	498.5	440.1
-67.5°	1101.7	1049.4	994.0	910.9	830.9	750.9	677.0	597.0	526.2	473.9	443.1
-70°	950.9	895.5	840.1	772.4	704.7	640.1	581.6	523.2	477.0	449.3	424.7
-72.5°	692.4	667.8	640.1	587.8	532.4	492.4	464.7	440.1	406.2	381.6	366.2
-75°	461.6	427.8	384.7	366.2	369.3	363.1	347.7	329.3	313.9	304.7	283.1
-77.5°	360.1	341.6	320.0	298.5	289.3	280.0	267.7	252.3	240.0	218.5	187.7
-80°	332.4	317.0	301.6	286.2	270.8	249.3	224.7	200.0	187.7	178.5	175.4
-82.5°	273.9	255.4	237.0	221.6	200.0	184.6	169.3	156.9	156.9	153.9	150.8
-85°	156.9	150.8	141.6	135.4	129.3	120.0	110.8	104.6	101.6	98.5	95.4
-87.5°	80.0	76.9	70.8	67.7	64.6	61.5	55.4	52.3	49.2	49.2	46.2
-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: P723832

CATALOG NUMBER: IFLD-L-SA8A-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°	15.4	15.4	12.3	12.3	12.3	9.2	6.2	6.2	3.1	3.1	0.0
85°	36.9	30.8	27.7	24.6	24.6	18.5	12.3	9.2	6.2	3.1	3.1
82.5°	70.8	61.5	52.3	46.2	36.9	27.7	21.5	15.4	9.2	6.2	3.1
80°	80.0	80.0	76.9	64.6	52.3	40.0	27.7	18.5	12.3	9.2	6.2
77.5°	61.5	67.7	67.7	67.7	64.6	49.2	33.9	21.5	12.3	9.2	6.2
75°	70.8	61.5	58.5	61.5	58.5	49.2	40.0	24.6	15.4	12.3	6.2
72.5°	86.2	73.9	64.6	61.5	55.4	46.2	36.9	27.7	15.4	12.3	9.2
70°	80.0	76.9	70.8	64.6	55.4	46.2	36.9	27.7	18.5	12.3	9.2
67.5°	70.8	70.8	70.8	64.6	55.4	43.1	33.9	24.6	18.5	12.3	9.2
65°	49.2	58.5	64.6	61.5	55.4	43.1	33.9	24.6	18.5	15.4	9.2
62.5°	30.8	40.0	52.3	58.5	52.3	43.1	30.8	24.6	18.5	15.4	9.2
60°	27.7	30.8	36.9	46.2	49.2	40.0	30.8	21.5	18.5	15.4	9.2
57.5°	27.7	27.7	30.8	36.9	40.0	36.9	27.7	18.5	18.5	15.4	12.3
55°	30.8	27.7	27.7	30.8	33.9	33.9	27.7	18.5	18.5	15.4	12.3
52.5°	36.9	30.8	27.7	27.7	27.7	30.8	24.6	18.5	18.5	15.4	12.3
50°	46.2	36.9	33.9	27.7	27.7	27.7	24.6	18.5	15.4	15.4	12.3
47.5°	61.5	49.2	36.9	33.9	27.7	24.6	21.5	18.5	15.4	15.4	12.3
45°	92.3	58.5	49.2	36.9	30.8	27.7	24.6	18.5	15.4	15.4	12.3
42.5°	126.2	86.2	61.5	43.1	33.9	27.7	24.6	21.5	15.4	15.4	12.3
40°	160.0	116.9	76.9	55.4	40.0	30.8	24.6	21.5	18.5	15.4	12.3
37.5°	197.0	144.6	101.6	70.8	46.2	33.9	27.7	21.5	18.5	15.4	12.3
35°	243.1	181.6	126.2	86.2	55.4	40.0	30.8	21.5	18.5	15.4	12.3
32.5°	295.4	215.4	150.8	104.6	70.8	49.2	33.9	24.6	18.5	15.4	12.3
30°	344.7	255.4	178.5	126.2	86.2	55.4	36.9	24.6	18.5	15.4	9.2
27.5°	393.9	295.4	212.3	147.7	104.6	64.6	40.0	27.7	18.5	15.4	12.3
25°	443.1	335.4	246.2	169.3	120.0	76.9	49.2	30.8	18.5	15.4	12.3
22.5°	486.2	375.4	277.0	193.9	138.5	89.2	55.4	33.9	21.5	15.4	12.3
20°	535.5	418.5	310.8	221.6	153.9	101.6	61.5	36.9	21.5	15.4	12.3
17.5°	581.6	461.6	344.7	246.2	172.3	113.9	70.8	40.0	24.6	15.4	12.3
15°	627.8	501.6	375.4	270.8	190.8	126.2	76.9	43.1	27.7	15.4	12.3
12.5°	670.9	538.5	403.1	292.4	206.2	138.5	83.1	46.2	30.8	15.4	12.3
10°	710.9	572.4	430.8	310.8	221.6	147.7	89.2	52.3	33.9	15.4	12.3
7.5°	750.9	600.1	452.4	329.3	240.0	160.0	95.4	55.4	36.9	18.5	12.3
5°	775.5	624.7	470.8	344.7	255.4	172.3	101.6	58.5	40.0	18.5	12.3
2.5°	797.0	643.2	483.2	360.1	270.8	181.6	101.6	61.5	43.1	18.5	12.3
0°	809.4	655.5	492.4	369.3	283.1	187.7	104.6	64.6	46.2	18.5	12.3
-2.5°	837.1	677.0	513.9	381.6	295.4	206.2	110.8	67.7	49.2	21.5	12.3
-5°	855.5	689.3	529.3	393.9	304.7	224.7	120.0	73.9	55.4	27.7	15.4
-7.5°	870.9	701.6	541.6	400.1	313.9	230.8	123.1	76.9	58.5	30.8	15.4
-10°	874.0	707.8	550.9	409.3	320.0	240.0	126.2	80.0	61.5	33.9	15.4
-12.5°	877.1	714.0	553.9	415.4	326.2	246.2	129.3	83.1	64.6	36.9	15.4
-15°	874.0	710.9	553.9	421.6	329.3	240.0	135.4	86.2	67.7	40.0	15.4
-17.5°	867.8	707.8	550.9	418.5	326.2	233.9	138.5	92.3	67.7	43.1	18.5
-20°	858.6	698.6	544.7	415.4	323.1	227.7	141.6	95.4	70.8	43.1	18.5

REPORT NUMBER: P723832

CATALOG NUMBER: IFLD-L-SA8A-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°	843.2	683.2	532.4	406.2	317.0	221.6	141.6	101.6	73.9	43.1	18.5
-25°	824.7	667.8	520.1	393.9	307.7	212.3	141.6	104.6	76.9	43.1	18.5
-27.5°	803.2	652.4	501.6	384.7	295.4	206.2	141.6	107.7	80.0	43.1	18.5
-30°	778.6	630.9	486.2	369.3	286.2	206.2	144.6	110.8	83.1	43.1	18.5
-32.5°	754.0	609.3	467.8	357.0	273.9	203.1	144.6	113.9	86.2	40.0	21.5
-35°	726.3	584.7	452.4	347.7	264.7	197.0	147.7	113.9	83.1	40.0	21.5
-37.5°	692.4	553.9	437.0	338.5	258.5	190.8	147.7	116.9	80.0	40.0	21.5
-40°	655.5	529.3	418.5	326.2	249.3	187.7	147.7	116.9	76.9	40.0	24.6
-42.5°	615.5	501.6	400.1	313.9	240.0	184.6	147.7	116.9	73.9	40.0	24.6
-45°	578.6	473.9	378.5	298.5	230.8	184.6	147.7	113.9	67.7	43.1	24.6
-47.5°	538.5	443.1	353.9	283.1	227.7	181.6	144.6	107.7	61.5	43.1	24.6
-50°	504.7	412.4	335.4	267.7	221.6	184.6	147.7	98.5	61.5	43.1	24.6
-52.5°	470.8	390.8	313.9	261.6	215.4	187.7	144.6	92.3	61.5	43.1	24.6
-55°	443.1	369.3	301.6	252.3	221.6	193.9	138.5	83.1	61.5	43.1	24.6
-57.5°	421.6	357.0	292.4	255.4	230.8	187.7	129.3	80.0	61.5	40.0	24.6
-60°	406.2	344.7	295.4	267.7	233.9	178.5	123.1	80.0	61.5	40.0	21.5
-62.5°	393.9	347.7	310.8	277.0	221.6	166.2	116.9	80.0	55.4	36.9	21.5
-65°	397.0	360.1	317.0	264.7	212.3	153.9	107.7	76.9	52.3	33.9	21.5
-67.5°	406.2	350.8	298.5	249.3	190.8	138.5	98.5	70.8	49.2	33.9	21.5
-70°	375.4	323.1	270.8	212.3	163.1	120.0	92.3	64.6	43.1	30.8	21.5
-72.5°	338.5	270.8	215.4	172.3	138.5	110.8	83.1	58.5	40.0	27.7	18.5
-75°	246.2	197.0	160.0	144.6	123.1	98.5	73.9	52.3	36.9	27.7	18.5
-77.5°	175.4	163.1	147.7	132.3	110.8	86.2	64.6	49.2	33.9	24.6	15.4
-80°	172.3	156.9	138.5	113.9	92.3	73.9	55.4	43.1	30.8	21.5	12.3
-82.5°	144.6	123.1	104.6	86.2	70.8	58.5	46.2	33.9	24.6	15.4	9.2
-85°	89.2	76.9	67.7	58.5	49.2	40.0	30.8	21.5	15.4	9.2	6.2
-87.5°	43.1	40.0	33.9	27.7	24.6	18.5	15.4	12.3	9.2	6.2	3.1
-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: P723832

CATALOG NUMBER: IFLD-L-SA8A-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°	3.1	0.0	0.0	0.0
80°	3.1	0.0	0.0	0.0
77.5°	3.1	0.0	0.0	0.0
75°	3.1	3.1	0.0	0.0
72.5°	3.1	3.1	0.0	0.0
70°	6.2	3.1	3.1	0.0
67.5°	6.2	3.1	3.1	0.0
65°	6.2	3.1	3.1	0.0
62.5°	6.2	3.1	3.1	0.0
60°	6.2	3.1	3.1	0.0
57.5°	6.2	3.1	3.1	0.0
55°	6.2	3.1	3.1	0.0
52.5°	6.2	3.1	3.1	0.0
50°	6.2	3.1	3.1	0.0
47.5°	6.2	6.2	3.1	0.0
45°	6.2	6.2	3.1	0.0
42.5°	6.2	6.2	3.1	0.0
40°	6.2	6.2	3.1	0.0
37.5°	6.2	6.2	3.1	0.0
35°	6.2	6.2	3.1	0.0
32.5°	9.2	6.2	3.1	0.0
30°	9.2	6.2	6.2	0.0
27.5°	9.2	6.2	6.2	0.0
25°	9.2	6.2	6.2	0.0
22.5°	9.2	6.2	6.2	0.0
20°	9.2	6.2	6.2	0.0
17.5°	9.2	6.2	6.2	0.0
15°	9.2	6.2	6.2	0.0
12.5°	9.2	6.2	6.2	0.0
10°	9.2	6.2	6.2	0.0
7.5°	9.2	6.2	6.2	0.0
5°	9.2	6.2	6.2	0.0
2.5°	9.2	6.2	6.2	0.0
0°	9.2	6.2	6.2	0.0
-2.5°	9.2	6.2	6.2	0.0
-5°	9.2	6.2	6.2	0.0
-7.5°	9.2	6.2	6.2	0.0
-10°	9.2	6.2	6.2	0.0
-12.5°	12.3	6.2	6.2	0.0
-15°	12.3	6.2	6.2	0.0
-17.5°	12.3	6.2	6.2	0.0
-20°	12.3	6.2	6.2	0.0

REPORT NUMBER: P723832

CATALOG NUMBER: IFLD-L-SA8A-827-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	12.3	6.2	6.2	0.0
-25°	12.3	6.2	6.2	0.0
-27.5°	12.3	6.2	6.2	0.0
-30°	12.3	6.2	6.2	0.0
-32.5°	12.3	6.2	6.2	0.0
-35°	12.3	6.2	6.2	0.0
-37.5°	12.3	6.2	6.2	0.0
-40°	12.3	6.2	6.2	0.0
-42.5°	9.2	6.2	3.1	0.0
-45°	12.3	6.2	3.1	0.0
-47.5°	12.3	6.2	3.1	0.0
-50°	12.3	6.2	3.1	0.0
-52.5°	12.3	6.2	3.1	0.0
-55°	12.3	6.2	3.1	0.0
-57.5°	12.3	6.2	3.1	0.0
-60°	12.3	6.2	3.1	0.0
-62.5°	12.3	6.2	3.1	0.0
-65°	12.3	6.2	3.1	0.0
-67.5°	12.3	6.2	3.1	0.0
-70°	12.3	3.1	3.1	0.0
-72.5°	9.2	3.1	3.1	0.0
-75°	9.2	3.1	3.1	0.0
-77.5°	6.2	3.1	0.0	0.0
-80°	6.2	3.1	0.0	0.0
-82.5°	6.2	3.1	0.0	0.0
-85°	3.1	0.0	0.0	0.0
-87.5°	3.1	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)