

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: P723827

Luminaire Tested: **IFLD-L-SA7A-827-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723827
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-827-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	12180.7 lumens	Max Intensity:	286569.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.0 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:	4417.2 lumens	Field Lumens:	7041.9 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

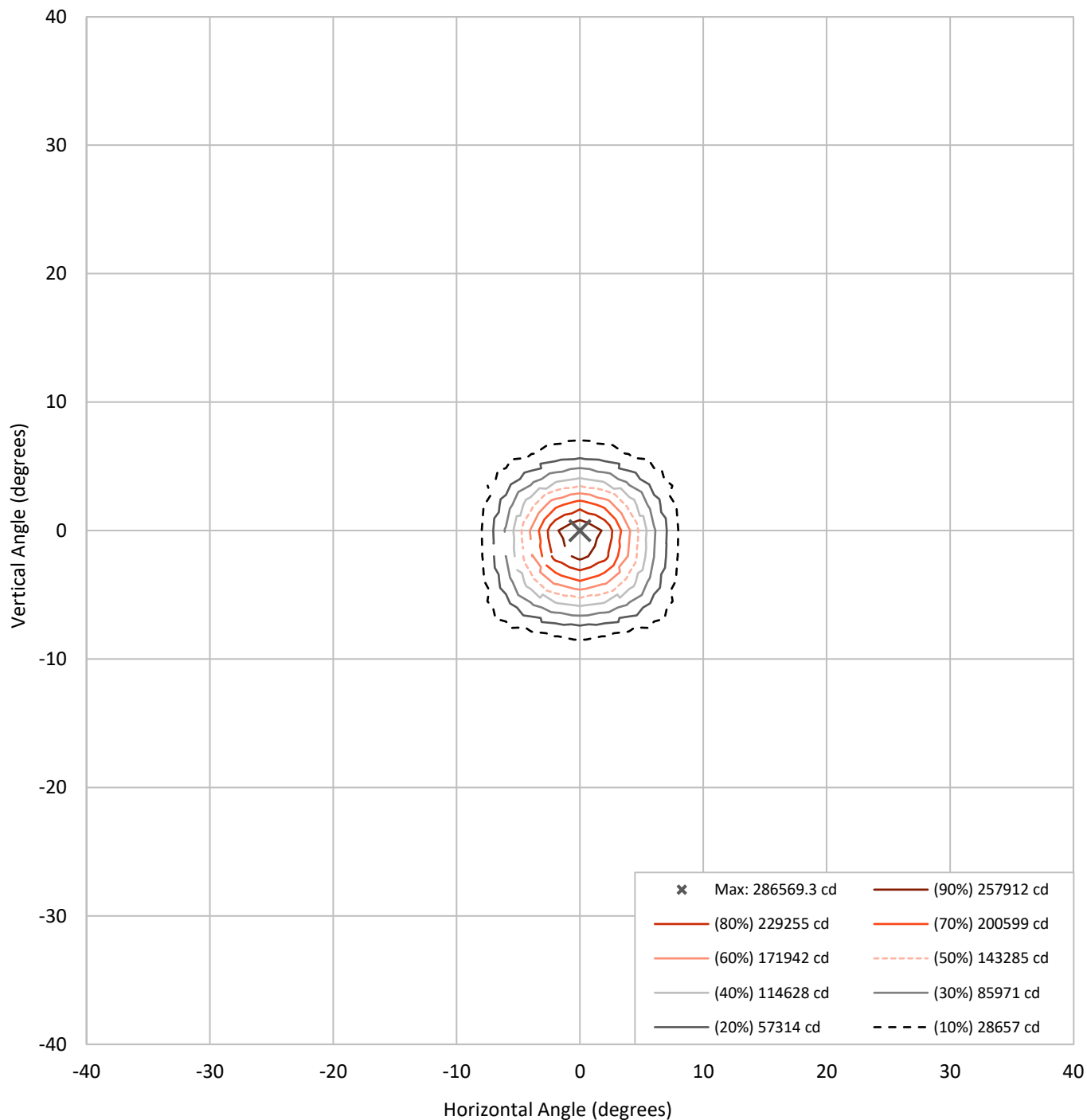
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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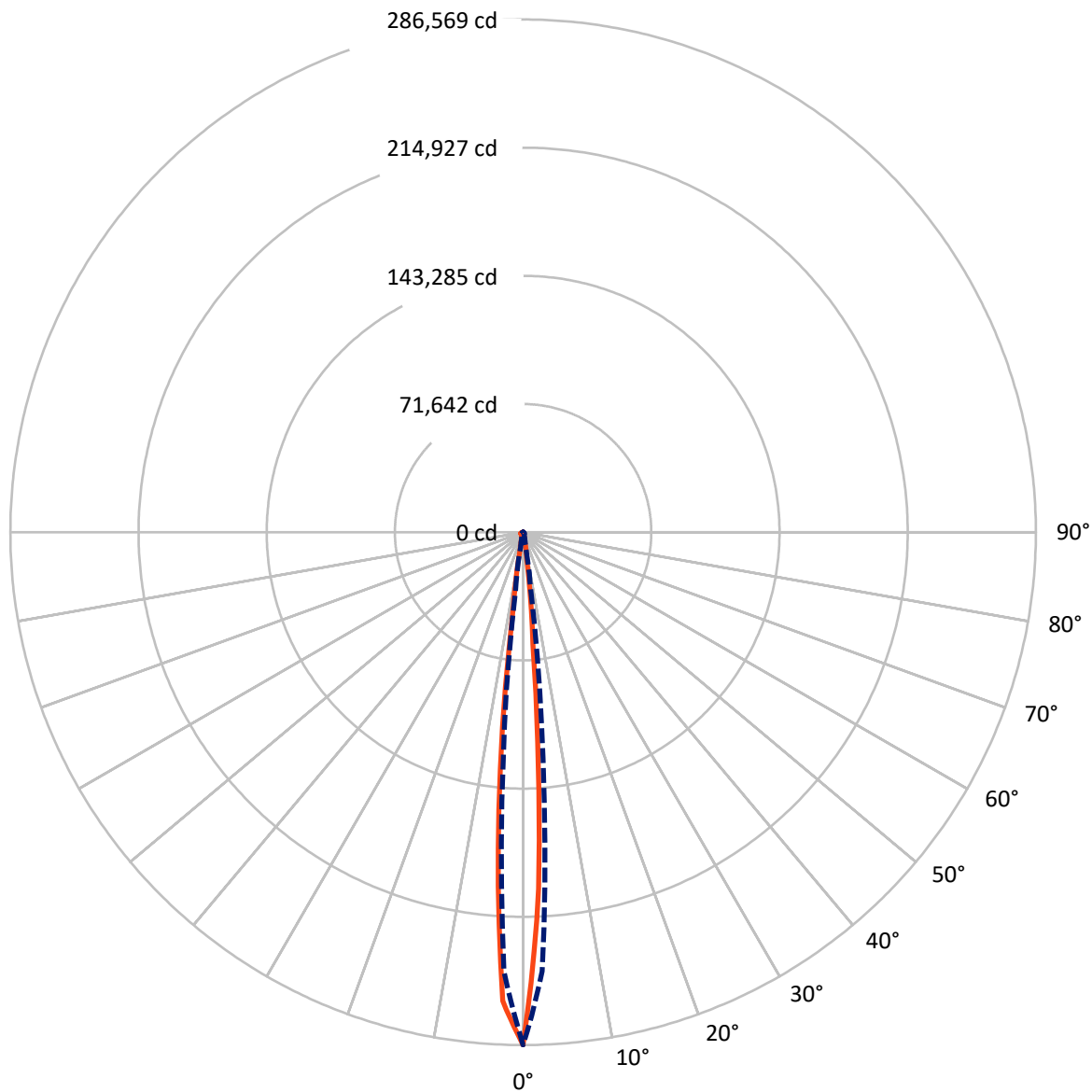
Lumen Table

90																			
80	0.2	2.7		2.9		1.1		0.3		1.1		2.9		2.7		0.2			
70																			
60	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			
50		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				
40	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			
30		0.8	4.2	11.4	18.5	21.8	23.5	24.3	24.3	23.5	21.8	18.5	11.4	4.2	0.8				
20	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			
10		2.5	10.1	20.4	22.9	25.8	45.4	77.3	77.3	45.4	25.8	22.9	20.4	10.1	2.5				
0	0.8	3.2	12.4	22.4	23.7	31.9	86.3	1599.0	1599.0	86.3	31.9	23.7	22.4	12.4	3.2	0.8			
-10		3.8	13.6	23.5	24.6	32.9	93.0	2331.5	2331.5	93.0	32.9	24.6	23.5	13.6	3.8				
-20	1.2	4.0	13.9	24.8	26.6	29.7	54.0	103.7	103.7	54.0	29.7	26.6	24.8	13.9	4.0	1.2			
-30		3.8	13.3	25.1	29.9	29.9	35.0	42.7	42.7	35.0	29.9	29.9	25.1	13.3	3.8				
-40	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			
-50		3.0	9.4	20.3	31.7	38.6	43.2	45.3	45.3	43.2	38.6	31.7	20.3	9.4	3.0				
-60	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			
-70		2.5	6.4	12.9	22.6	31.8	38.4	41.5	41.5	38.4	31.8	22.6	12.9	6.4	2.5				
-80	0.5	7.5		22.4		41.6		45.9		41.6		22.4		7.5		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



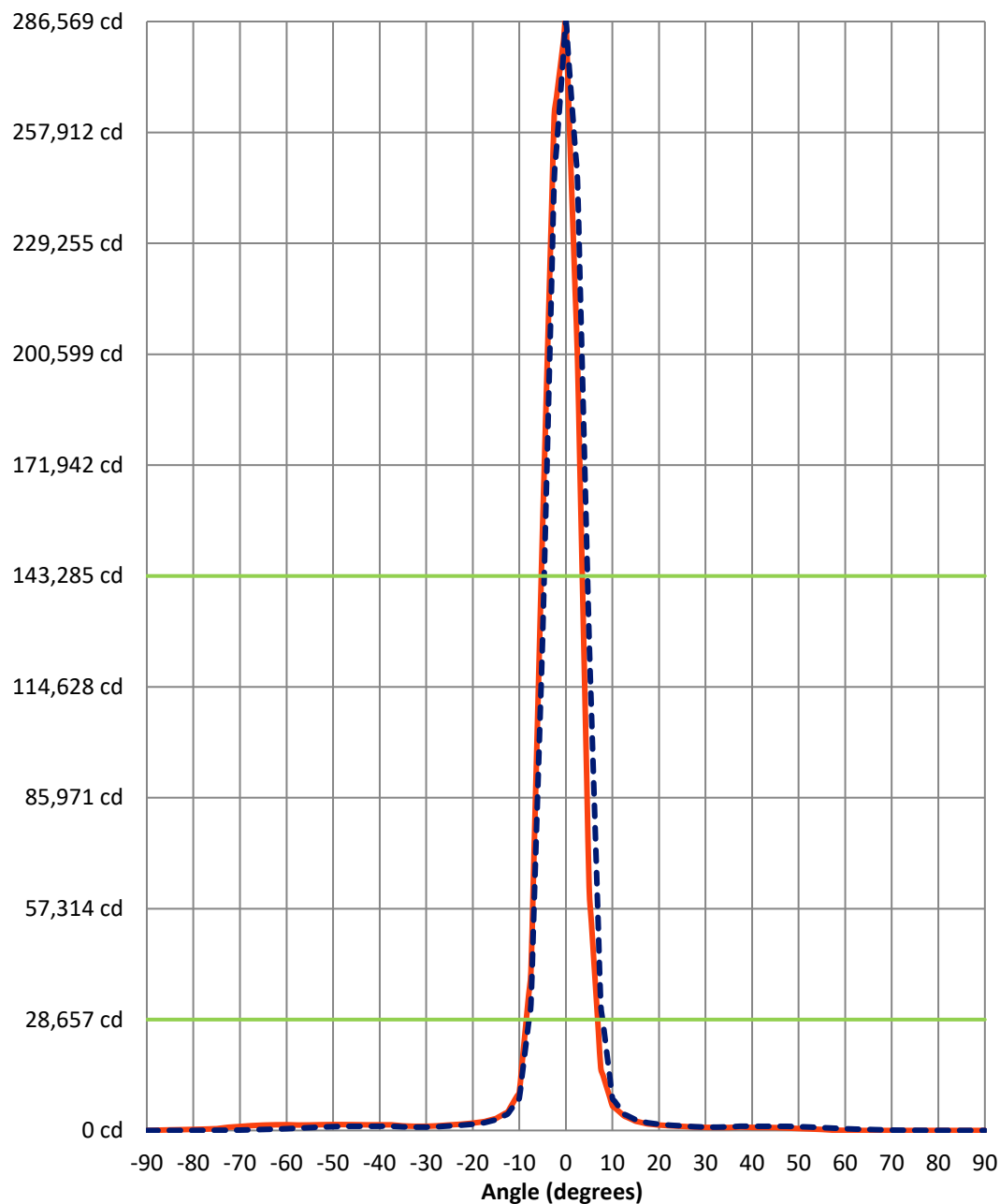
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 4417.2

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 7041.9

Efficiency: 57.8%

Spill:

Lumens: 5138.8

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	84.4	84.4	84.4	81.5	92.8	95.6	84.4	78.7	87.2
55°	264.3	272.8	267.1	258.7	241.8	222.1	216.5	213.7	216.5	202.5	180.0
52.5°	385.2	393.7	390.9	385.2	374.0	359.9	348.7	337.4	326.2	303.7	278.4
50°	500.5	503.3	500.5	494.9	483.6	469.6	447.1	421.8	399.3	393.7	371.2
47.5°	629.9	638.3	638.3	635.5	627.0	601.7	568.0	531.4	514.6	508.9	486.5
45°	745.1	750.8	753.6	756.4	753.6	728.3	697.3	677.7	641.1	629.9	629.9
42.5°	776.1	778.9	781.7	784.5	792.9	773.3	748.0	714.2	705.8	703.0	697.3
40°	787.3	781.7	784.5	787.3	790.1	776.1	756.4	736.7	731.1	725.5	725.5
37.5°	894.2	868.9	849.2	832.3	818.3	804.2	784.5	767.6	753.6	742.3	753.6
35°	762.0	762.0	781.7	798.6	815.4	832.3	835.1	815.4	784.5	770.5	790.1
32.5°	778.9	778.9	778.9	784.5	790.1	804.2	818.3	826.7	849.2	823.9	823.9
30°	795.8	798.6	804.2	807.0	798.6	792.9	787.3	787.3	801.4	837.9	857.6
27.5°	894.2	894.2	885.7	874.5	849.2	809.8	790.1	762.0	764.8	781.7	829.5
25°	1054.5	1048.8	1029.1	1001.0	956.0	899.8	846.4	787.3	762.0	753.6	773.3
22.5°	1206.3	1197.9	1172.6	1147.2	1110.7	1054.5	964.5	874.5	795.8	762.0	753.6
20°	1400.3	1380.6	1352.5	1313.1	1254.1	1197.9	1119.1	1001.0	885.7	798.6	764.8
17.5°	1712.4	1687.1	1633.7	1563.4	1462.2	1375.0	1262.5	1150.1	1020.7	880.1	804.2
15°	2395.7	2331.0	2238.3	2044.2	1844.6	1678.7	1510.0	1321.6	1189.4	1003.8	888.6
12.5°	3767.9	3590.8	3320.8	2868.1	2421.0	2035.8	1763.0	1521.2	1307.5	1136.0	972.9
10°	6377.3	5997.7	5252.6	4015.4	3191.5	2482.9	1993.6	1670.3	1400.3	1223.2	1043.2
7.5°	16128.9	13156.8	9310.1	6357.6	4175.6	3034.0	2280.4	1810.8	1498.7	1279.4	1099.4
5°	62862.3	51783.5	27623.8	11528.7	6281.7	3669.5	2539.1	1923.3	1563.4	1321.6	1141.6
2.5°	199505.3	172286.3	90390.5	24817.6	7713.0	4133.5	2716.3	1993.6	1600.0	1352.5	1172.6
0°	286569.3	245600.3	126857.7	32640.2	8365.3	4251.6	2772.5	2007.7	1605.6	1358.1	1172.6
-2.5°	262162.2	229443.3	122544.3	30373.9	8548.1	4285.3	2817.5	2055.5	1647.8	1383.4	1181.0
-5°	155775.0	136637.4	85483.8	21657.1	7594.9	3978.8	2699.4	2013.3	1619.6	1369.4	1175.4
-7.5°	41042.1	35530.8	23372.3	11300.9	4915.2	3365.8	2480.1	1943.0	1583.1	1344.1	1152.9
-10°	9895.0	9377.6	8376.6	5134.5	3827.0	2811.9	2198.9	1816.5	1510.0	1310.3	1116.3
-12.5°	4771.7	4659.3	4229.1	3486.7	2840.0	2336.7	1990.8	1684.3	1442.5	1251.3	1065.7
-15°	3104.3	3039.6	2893.4	2609.4	2280.4	2038.6	1796.8	1549.3	1358.1	1164.1	1023.5
-17.5°	2297.3	2294.5	2221.4	2114.5	1951.4	1771.5	1594.3	1436.9	1251.3	1085.4	978.5
-20°	1903.6	1903.6	1861.5	1791.2	1675.9	1557.8	1439.7	1293.5	1141.6	1017.9	972.9



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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°	1616.8	1619.6	1597.1	1552.2	1490.3	1391.9	1276.6	1158.5	1048.8	1003.8	989.8
-25°	1431.2	1425.6	1400.3	1358.1	1293.5	1214.7	1138.8	1060.1	1029.1	1017.9	1037.6
-27.5°	1211.9	1220.4	1209.1	1189.4	1147.2	1091.0	1074.1	1051.6	1057.3	1074.1	1150.1
-30°	1082.6	1091.0	1102.3	1110.7	1096.6	1082.6	1088.2	1105.1	1141.6	1206.3	1234.4
-32.5°	1082.6	1085.4	1102.3	1119.1	1127.6	1138.8	1169.7	1226.0	1279.4	1262.5	1256.9
-35°	1181.0	1172.6	1195.0	1217.5	1248.5	1287.8	1321.6	1310.3	1290.7	1285.0	1290.7
-37.5°	1462.2	1408.7	1386.3	1372.2	1363.8	1358.1	1349.7	1341.3	1332.8	1327.2	1335.6
-40°	1459.4	1445.3	1431.2	1420.0	1411.6	1400.3	1394.7	1391.9	1383.4	1377.8	1372.2
-42.5°	1453.7	1459.4	1459.4	1456.6	1459.4	1456.6	1448.1	1436.9	1422.8	1411.6	1400.3
-45°	1495.9	1498.7	1504.4	1510.0	1518.4	1507.2	1490.3	1470.6	1450.9	1434.1	1420.0
-47.5°	1521.2	1524.0	1529.7	1538.1	1543.7	1532.5	1510.0	1484.7	1453.7	1425.6	1397.5
-50°	1529.7	1538.1	1540.9	1540.9	1538.1	1524.0	1490.3	1453.7	1420.0	1391.9	1366.6
-52.5°	1490.3	1498.7	1501.5	1495.9	1493.1	1479.0	1448.1	1414.4	1377.8	1358.1	1335.6
-55°	1425.6	1436.9	1445.3	1445.3	1445.3	1442.5	1414.4	1383.4	1355.3	1332.8	1310.3
-57.5°	1400.3	1420.0	1436.9	1439.7	1442.5	1445.3	1425.6	1394.7	1360.9	1327.2	1299.1
-60°	1493.1	1510.0	1518.4	1507.2	1498.7	1490.3	1459.4	1422.8	1389.1	1355.3	1301.9
-62.5°	1467.8	1495.9	1510.0	1501.5	1490.3	1476.2	1442.5	1400.3	1360.9	1324.4	1271.0
-65°	1386.3	1411.6	1428.4	1414.4	1397.5	1377.8	1346.9	1307.5	1271.0	1234.4	1186.6
-67.5°	1248.5	1285.0	1313.1	1282.2	1259.7	1234.4	1209.1	1175.4	1138.8	1096.6	1051.6
-70°	1032.0	1060.1	1085.4	1076.9	1071.3	1065.7	1048.8	1015.1	984.2	950.4	911.0
-72.5°	829.5	854.8	877.3	863.2	852.0	835.1	809.8	773.3	736.7	700.2	663.6
-75°	458.3	466.8	475.2	472.4	472.4	472.4	472.4	475.2	469.6	461.1	444.3
-77.5°	351.5	362.7	371.2	376.8	385.2	396.5	404.9	390.9	376.8	362.7	345.9
-80°	275.6	286.8	295.2	326.2	348.7	374.0	390.9	371.2	351.5	334.6	320.6
-82.5°	208.1	216.5	224.9	241.8	253.1	267.1	278.4	278.4	275.6	272.8	264.3
-85°	151.8	163.1	174.3	180.0	188.4	188.4	191.2	180.0	168.7	160.3	149.0
-87.5°	87.2	90.0	90.0	90.0	92.8	92.8	92.8	87.2	84.4	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	36.6	39.4	42.2	45.0	47.8	56.2	61.9	64.7
80°	28.1	30.9	39.4	45.0	50.6	56.2	56.2	56.2	56.2	59.0	64.7
77.5°	19.7	22.5	25.3	30.9	45.0	56.2	64.7	70.3	64.7	61.9	56.2
75°	11.2	14.1	16.9	19.7	28.1	39.4	53.4	67.5	78.7	75.9	70.3
72.5°	11.2	11.2	14.1	16.9	19.7	22.5	25.3	39.4	56.2	70.3	78.7
70°	11.2	14.1	14.1	16.9	19.7	22.5	25.3	30.9	39.4	56.2	73.1
67.5°	11.2	14.1	14.1	19.7	25.3	28.1	30.9	28.1	25.3	36.6	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	67.5	61.9	61.9	53.4	50.6	42.2	30.9	30.9	25.3	25.3
55°	165.9	157.5	132.2	109.7	98.4	87.2	67.5	56.2	42.2	33.7	30.9
52.5°	255.9	233.4	210.9	182.8	154.7	132.2	112.5	87.2	70.3	50.6	39.4
50°	334.6	314.9	289.6	258.7	222.1	194.0	165.9	132.2	104.0	78.7	56.2
47.5°	455.5	416.2	385.2	348.7	306.5	267.1	230.6	191.2	146.2	115.3	87.2
45°	584.9	528.6	486.5	452.7	396.5	343.0	300.9	258.7	205.3	151.8	118.1
42.5°	674.8	632.7	576.4	531.4	480.8	424.6	368.4	323.4	267.1	205.3	151.8
40°	722.7	694.5	649.5	610.2	556.8	494.9	435.8	390.9	331.8	264.3	191.2
37.5°	759.2	745.1	722.7	691.7	641.1	568.0	508.9	455.5	404.9	326.2	247.4
35°	801.4	798.6	784.5	770.5	728.3	658.0	587.7	525.8	464.0	390.9	303.7
32.5°	840.8	837.9	829.5	823.9	807.0	745.1	669.2	598.9	528.6	452.7	357.1
30°	860.4	854.8	854.8	860.4	843.6	804.2	748.0	672.0	593.3	503.3	413.3
27.5°	860.4	854.8	857.6	866.1	863.2	843.6	801.4	739.5	652.4	551.1	464.0
25°	823.9	852.0	852.0	863.2	866.1	860.4	837.9	798.6	708.6	601.7	503.3
22.5°	773.3	840.8	866.1	863.2	866.1	880.1	882.9	846.4	762.0	652.4	542.7
20°	773.3	821.1	894.2	874.5	880.1	911.0	925.1	894.2	818.3	700.2	582.1
17.5°	790.1	821.1	882.9	913.9	922.3	947.6	970.1	950.4	868.9	750.8	635.5
15°	837.9	832.3	874.5	950.4	964.5	984.2	1009.5	987.0	913.9	807.0	686.1
12.5°	871.7	840.8	874.5	956.0	1001.0	1020.7	1029.1	1012.3	953.2	857.6	736.7
10°	916.7	863.2	880.1	950.4	1015.1	1029.1	1037.6	1032.0	989.8	899.8	781.7
7.5°	950.4	874.5	874.5	942.0	1029.1	1040.4	1046.0	1051.6	1020.7	936.4	821.1
5°	964.5	874.5	868.9	933.5	1043.2	1054.5	1054.5	1062.9	1043.2	964.5	849.2
2.5°	967.3	871.7	863.2	927.9	1068.5	1068.5	1062.9	1071.3	1060.1	981.3	868.9
0°	981.3	868.9	860.4	936.4	1096.6	1085.4	1071.3	1074.1	1068.5	989.8	880.1
-2.5°	981.3	882.9	871.7	942.0	1093.8	1091.0	1085.4	1088.2	1082.6	1015.1	902.6
-5°	995.4	902.6	891.4	967.3	1091.0	1099.4	1102.3	1102.3	1093.8	1032.0	916.7
-7.5°	998.2	916.7	913.9	992.6	1096.6	1110.7	1119.1	1124.7	1107.9	1043.2	927.9
-10°	984.2	922.3	936.4	1023.5	1102.3	1121.9	1138.8	1147.2	1119.1	1048.8	933.5
-12.5°	953.2	922.3	958.8	1062.9	1116.3	1138.8	1164.1	1166.9	1130.4	1051.6	936.4
-15°	950.4	944.8	998.2	1102.3	1124.7	1152.9	1192.2	1183.8	1138.8	1051.6	936.4
-17.5°	947.6	975.7	1057.3	1116.3	1138.8	1169.7	1200.7	1192.2	1144.4	1051.6	930.7
-20°	972.9	1026.3	1127.6	1130.4	1155.7	1189.4	1206.3	1189.4	1136.0	1043.2	922.3

REPORT NUMBER: P723827

CATALOG NUMBER: IFLD-L-SA7A-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°	1015.1	1116.3	1150.1	1161.3	1183.8	1209.1	1217.5	1192.2	1127.6	1029.1	908.2
-25°	1121.9	1172.6	1172.6	1197.9	1220.4	1231.6	1223.2	1195.0	1116.3	1015.1	894.2
-27.5°	1203.5	1200.7	1214.7	1240.0	1259.7	1259.7	1237.2	1181.0	1099.4	1001.0	874.5
-30°	1234.4	1237.2	1256.9	1285.0	1290.7	1276.6	1242.8	1169.7	1085.4	978.5	849.2
-32.5°	1265.3	1276.6	1301.9	1316.0	1318.8	1290.7	1228.8	1150.1	1062.9	953.2	821.1
-35°	1301.9	1324.4	1338.5	1341.3	1327.2	1279.4	1209.1	1124.7	1029.1	916.7	795.8
-37.5°	1349.7	1360.9	1369.4	1358.1	1318.8	1262.5	1175.4	1091.0	998.2	877.3	759.2
-40°	1380.6	1386.3	1389.1	1352.5	1304.7	1223.2	1138.8	1051.6	944.8	832.3	719.8
-42.5°	1400.3	1394.7	1372.2	1332.8	1262.5	1183.8	1102.3	1003.8	897.0	787.3	677.7
-45°	1394.7	1375.0	1341.3	1293.5	1220.4	1141.6	1046.0	947.6	846.4	739.5	629.9
-47.5°	1372.2	1341.3	1299.1	1242.8	1175.4	1079.8	984.2	888.6	790.1	686.1	584.9
-50°	1344.1	1307.5	1256.9	1186.6	1096.6	1009.5	922.3	829.5	728.3	632.7	542.7
-52.5°	1313.1	1273.8	1209.1	1130.4	1032.0	942.0	857.6	767.6	674.8	584.9	506.1
-55°	1279.4	1240.0	1166.9	1076.9	978.5	880.1	798.6	722.7	632.7	545.5	475.2
-57.5°	1262.5	1211.9	1136.0	1046.0	942.0	840.8	770.5	688.9	607.4	517.4	449.9
-60°	1248.5	1197.9	1127.6	1023.5	925.1	829.5	748.0	669.2	582.1	497.7	430.2
-62.5°	1209.1	1155.7	1091.0	989.8	894.2	807.0	733.9	641.1	556.8	478.0	416.2
-65°	1130.4	1074.1	1017.9	927.9	840.8	759.2	686.1	601.7	523.0	455.5	402.1
-67.5°	1006.7	958.8	908.2	832.3	759.2	686.1	618.6	545.5	480.8	433.0	404.9
-70°	868.9	818.3	767.6	705.8	643.9	584.9	531.4	478.0	435.8	410.5	388.0
-72.5°	632.7	610.2	584.9	537.1	486.5	449.9	424.6	402.1	371.2	348.7	334.6
-75°	421.8	390.9	351.5	334.6	337.4	331.8	317.7	300.9	286.8	278.4	258.7
-77.5°	329.0	312.1	292.4	272.8	264.3	255.9	244.6	230.6	219.3	199.6	171.5
-80°	303.7	289.6	275.6	261.5	247.4	227.8	205.3	182.8	171.5	163.1	160.3
-82.5°	250.3	233.4	216.5	202.5	182.8	168.7	154.7	143.4	143.4	140.6	137.8
-85°	143.4	137.8	129.3	123.7	118.1	109.7	101.2	95.6	92.8	90.0	87.2
-87.5°	73.1	70.3	64.7	61.9	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-L-SA7A-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°	64.7	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	36.6	25.3	16.9	11.2	8.4	5.6
77.5°	56.2	61.9	61.9	61.9	59.0	45.0	30.9	19.7	11.2	8.4	5.6
75°	64.7	56.2	53.4	56.2	53.4	45.0	36.6	22.5	14.1	11.2	5.6
72.5°	78.7	67.5	59.0	56.2	50.6	42.2	33.7	25.3	14.1	11.2	8.4
70°	73.1	70.3	64.7	59.0	50.6	42.2	33.7	25.3	16.9	11.2	8.4
67.5°	64.7	64.7	64.7	59.0	50.6	39.4	30.9	22.5	16.9	11.2	8.4
65°	45.0	53.4	59.0	56.2	50.6	39.4	30.9	22.5	16.9	14.1	8.4
62.5°	28.1	36.6	47.8	53.4	47.8	39.4	28.1	22.5	16.9	14.1	8.4
60°	25.3	28.1	33.7	42.2	45.0	36.6	28.1	19.7	16.9	14.1	8.4
57.5°	25.3	25.3	28.1	33.7	36.6	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°	84.4	53.4	45.0	33.7	28.1	25.3	22.5	16.9	14.1	14.1	11.2
42.5°	115.3	78.7	56.2	39.4	30.9	25.3	22.5	19.7	14.1	14.1	11.2
40°	146.2	106.9	70.3	50.6	36.6	28.1	22.5	19.7	16.9	14.1	11.2
37.5°	180.0	132.2	92.8	64.7	42.2	30.9	25.3	19.7	16.9	14.1	11.2
35°	222.1	165.9	115.3	78.7	50.6	36.6	28.1	19.7	16.9	14.1	11.2
32.5°	269.9	196.8	137.8	95.6	64.7	45.0	30.9	22.5	16.9	14.1	11.2
30°	314.9	233.4	163.1	115.3	78.7	50.6	33.7	22.5	16.9	14.1	8.4
27.5°	359.9	269.9	194.0	135.0	95.6	59.0	36.6	25.3	16.9	14.1	11.2
25°	404.9	306.5	224.9	154.7	109.7	70.3	45.0	28.1	16.9	14.1	11.2
22.5°	444.3	343.0	253.1	177.1	126.5	81.5	50.6	30.9	19.7	14.1	11.2
20°	489.3	382.4	284.0	202.5	140.6	92.8	56.2	33.7	19.7	14.1	11.2
17.5°	531.4	421.8	314.9	224.9	157.5	104.0	64.7	36.6	22.5	14.1	11.2
15°	573.6	458.3	343.0	247.4	174.3	115.3	70.3	39.4	25.3	14.1	11.2
12.5°	613.0	492.1	368.4	267.1	188.4	126.5	75.9	42.2	28.1	14.1	11.2
10°	649.5	523.0	393.7	284.0	202.5	135.0	81.5	47.8	30.9	14.1	11.2
7.5°	686.1	548.3	413.3	300.9	219.3	146.2	87.2	50.6	33.7	16.9	11.2
5°	708.6	570.8	430.2	314.9	233.4	157.5	92.8	53.4	36.6	16.9	11.2
2.5°	728.3	587.7	441.5	329.0	247.4	165.9	92.8	56.2	39.4	16.9	11.2
0°	739.5	598.9	449.9	337.4	258.7	171.5	95.6	59.0	42.2	16.9	11.2
-2.5°	764.8	618.6	469.6	348.7	269.9	188.4	101.2	61.9	45.0	19.7	11.2
-5°	781.7	629.9	483.6	359.9	278.4	205.3	109.7	67.5	50.6	25.3	14.1
-7.5°	795.8	641.1	494.9	365.5	286.8	210.9	112.5	70.3	53.4	28.1	14.1
-10°	798.6	646.7	503.3	374.0	292.4	219.3	115.3	73.1	56.2	30.9	14.1
-12.5°	801.4	652.4	506.1	379.6	298.1	224.9	118.1	75.9	59.0	33.7	14.1
-15°	798.6	649.5	506.1	385.2	300.9	219.3	123.7	78.7	61.9	36.6	14.1
-17.5°	792.9	646.7	503.3	382.4	298.1	213.7	126.5	84.4	61.9	39.4	16.9
-20°	784.5	638.3	497.7	379.6	295.2	208.1	129.3	87.2	64.7	39.4	16.9

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CATALOG NUMBER: IFLD-L-SA7A-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°	770.5	624.2	486.5	371.2	289.6	202.5	129.3	92.8	67.5	39.4	16.9
-25°	753.6	610.2	475.2	359.9	281.2	194.0	129.3	95.6	70.3	39.4	16.9
-27.5°	733.9	596.1	458.3	351.5	269.9	188.4	129.3	98.4	73.1	39.4	16.9
-30°	711.4	576.4	444.3	337.4	261.5	188.4	132.2	101.2	75.9	39.4	16.9
-32.5°	688.9	556.8	427.4	326.2	250.3	185.6	132.2	104.0	78.7	36.6	19.7
-35°	663.6	534.3	413.3	317.7	241.8	180.0	135.0	104.0	75.9	36.6	19.7
-37.5°	632.7	506.1	399.3	309.3	236.2	174.3	135.0	106.9	73.1	36.6	19.7
-40°	598.9	483.6	382.4	298.1	227.8	171.5	135.0	106.9	70.3	36.6	22.5
-42.5°	562.4	458.3	365.5	286.8	219.3	168.7	135.0	106.9	67.5	36.6	22.5
-45°	528.6	433.0	345.9	272.8	210.9	168.7	135.0	104.0	61.9	39.4	22.5
-47.5°	492.1	404.9	323.4	258.7	208.1	165.9	132.2	98.4	56.2	39.4	22.5
-50°	461.1	376.8	306.5	244.6	202.5	168.7	135.0	90.0	56.2	39.4	22.5
-52.5°	430.2	357.1	286.8	239.0	196.8	171.5	132.2	84.4	56.2	39.4	22.5
-55°	404.9	337.4	275.6	230.6	202.5	177.1	126.5	75.9	56.2	39.4	22.5
-57.5°	385.2	326.2	267.1	233.4	210.9	171.5	118.1	73.1	56.2	36.6	22.5
-60°	371.2	314.9	269.9	244.6	213.7	163.1	112.5	73.1	56.2	36.6	19.7
-62.5°	359.9	317.7	284.0	253.1	202.5	151.8	106.9	73.1	50.6	33.7	19.7
-65°	362.7	329.0	289.6	241.8	194.0	140.6	98.4	70.3	47.8	30.9	19.7
-67.5°	371.2	320.6	272.8	227.8	174.3	126.5	90.0	64.7	45.0	30.9	19.7
-70°	343.0	295.2	247.4	194.0	149.0	109.7	84.4	59.0	39.4	28.1	19.7
-72.5°	309.3	247.4	196.8	157.5	126.5	101.2	75.9	53.4	36.6	25.3	16.9
-75°	224.9	180.0	146.2	132.2	112.5	90.0	67.5	47.8	33.7	25.3	16.9
-77.5°	160.3	149.0	135.0	120.9	101.2	78.7	59.0	45.0	30.9	22.5	14.1
-80°	157.5	143.4	126.5	104.0	84.4	67.5	50.6	39.4	28.1	19.7	11.2
-82.5°	132.2	112.5	95.6	78.7	64.7	53.4	42.2	30.9	22.5	14.1	8.4
-85°	81.5	70.3	61.9	53.4	45.0	36.6	28.1	19.7	14.1	8.4	5.6
-87.5°	39.4	36.6	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-L-SA7A-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: P723827

CATALOG NUMBER: IFLD-L-SA7A-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)