

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: P723844

Luminaire Tested: **IFLD-S-SA3D-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723844
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	9804.2 lumens	Max Intensity:	230657.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	53.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	3555.4 lumens	Field Lumens:	5668 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

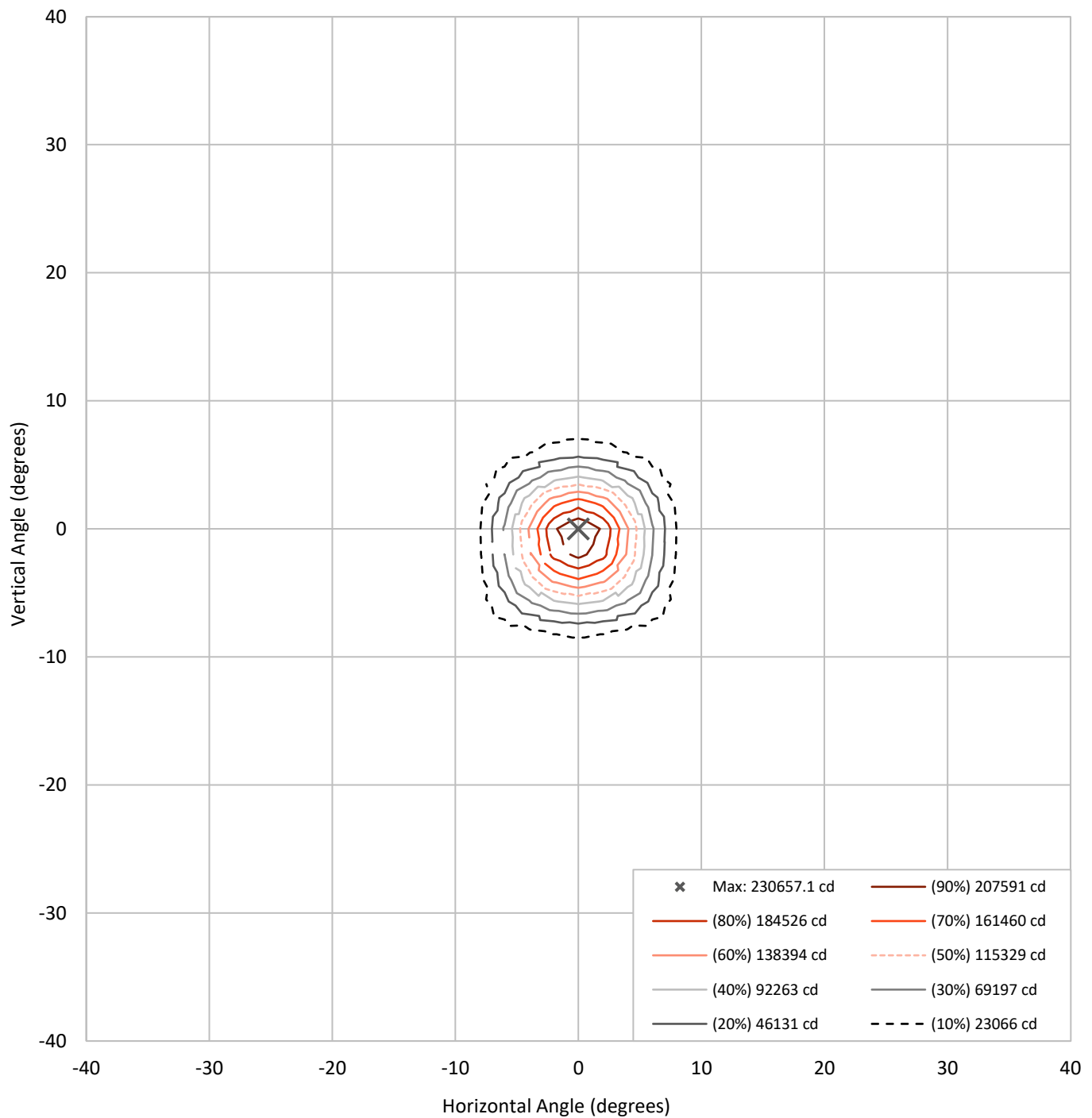
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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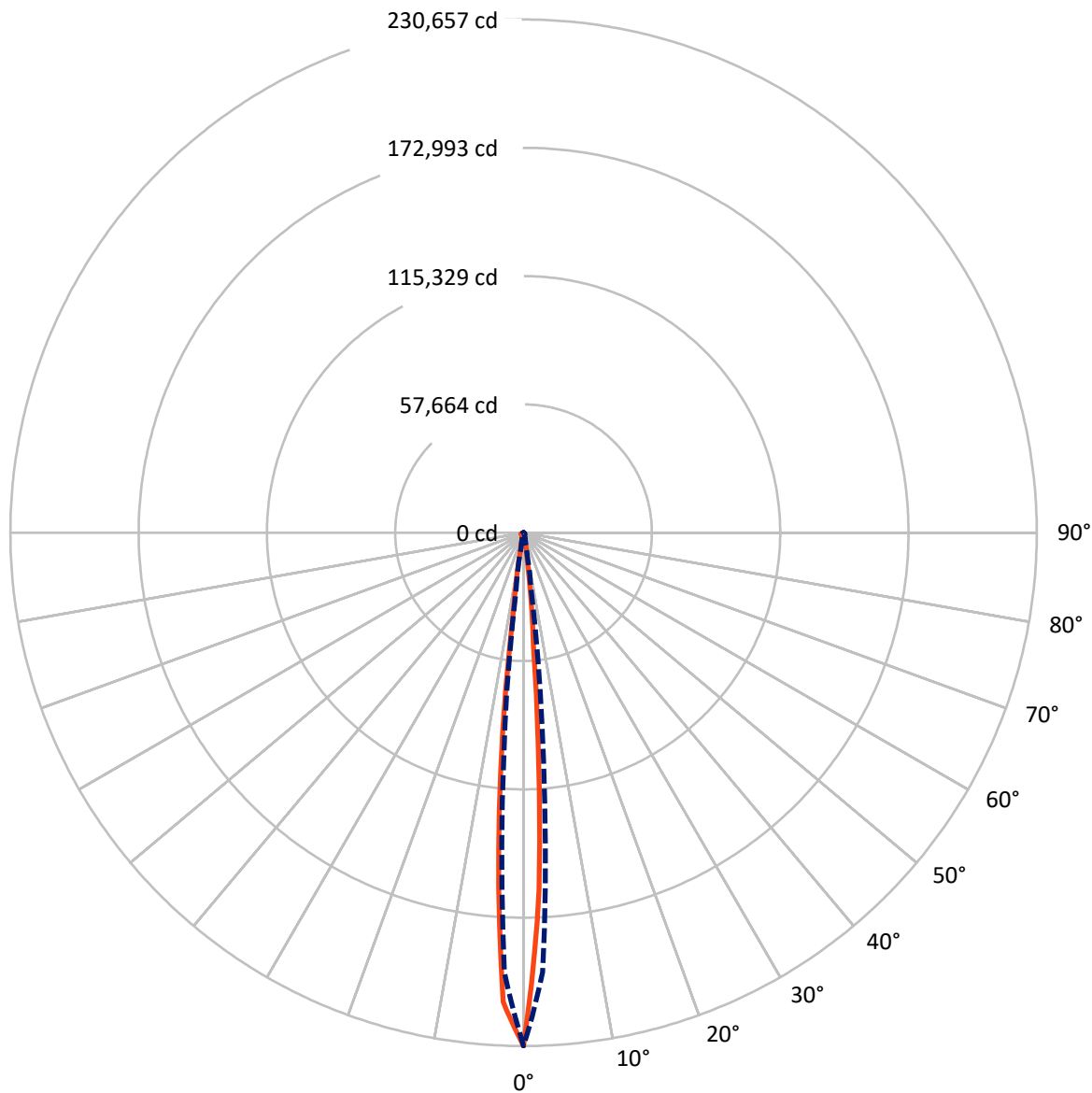
Lumen Table

Vertical Angle (degrees)																			
	0.2	2.2		2.4		0.9		0.3		0.9		2.4		2.2		0.2			
90																			
80	0.2	2.2		2.4		0.9		0.3		0.9		2.4		2.2		0.2			
70																			
60	0.3	0.5	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.5	0.3			
50		0.3	0.4	1.1	2.5	4.1	5.3	6.1	6.1	5.3	4.1	2.5	1.1	0.4	0.3				
40	0.2	0.3	1.3	4.5	8.8	12.9	15.5	17.1	17.1	15.5	12.9	8.8	4.5	1.3	0.3	0.2			
30		0.7	3.4	9.2	14.9	17.5	18.9	19.6	19.6	18.9	17.5	14.9	9.2	3.4	0.7				
20	0.4	1.3	5.8	13.4	17.3	17.8	21.0	25.3	25.3	21.0	17.8	17.3	13.4	5.8	1.3	0.4			
10		2.0	8.2	16.4	18.4	20.8	36.5	62.2	62.2	36.5	20.8	18.4	16.4	8.2	2.0				
0	0.7	2.6	10.0	18.0	19.1	25.6	69.4	1287.0	1287.0	69.4	25.6	19.1	18.0	10.0	2.6	0.7			
-10		3.0	10.9	18.9	19.8	26.5	74.8	1876.6	1876.6	74.8	26.5	19.8	18.9	10.9	3.0				
-20	0.9	3.2	11.2	19.9	21.4	23.9	43.5	83.5	83.5	43.5	23.9	21.4	19.9	11.2	3.2	0.9			
-30		3.0	10.7	20.2	24.1	24.1	28.2	34.4	34.4	28.2	24.1	24.1	20.2	10.7	3.0				
-40	1.0	2.7	9.4	19.3	26.5	28.8	30.0	30.3	30.3	30.0	28.8	26.5	19.3	9.4	2.7	1.0			
-50		2.4	7.6	16.4	25.5	31.0	34.8	36.5	36.5	34.8	31.0	25.5	16.4	7.6	2.4				
-60	0.8	2.2	5.9	12.7	21.8	29.2	34.0	35.9	35.9	34.0	29.2	21.8	12.7	5.9	2.2	0.8			
-70		2.0	5.2	10.3	18.2	25.6	30.9	33.4	33.4	30.9	25.6	18.2	10.3	5.2	2.0				
-80	0.4	6.1		18.1		33.5		36.9		33.5		18.1		6.1		0.4			
-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



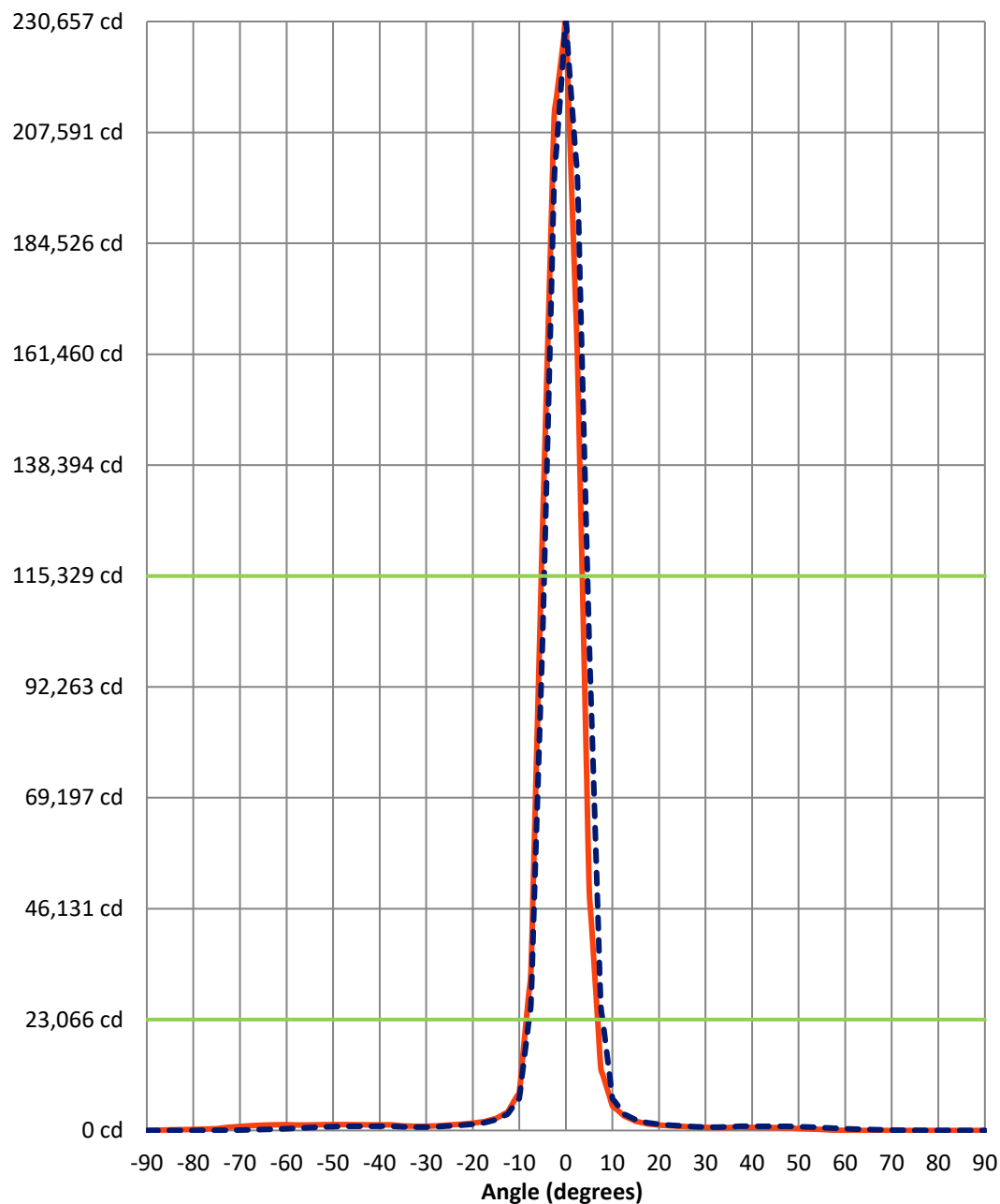
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 3555.4

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 5668

Efficiency: 57.8%

Spill:

Lumens: 4136.2

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	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	0.0	2.3	2.3	4.5	4.5	4.5	6.8	9.1	11.3	11.3	13.6
82.5°	0.0	2.3	2.3	4.5	4.5	6.8	6.8	11.3	13.6	15.8	20.4
80°	2.3	2.3	2.3	4.5	4.5	6.8	6.8	9.1	11.3	15.8	18.1
77.5°	0.0	2.3	2.3	2.3	4.5	4.5	4.5	6.8	9.1	11.3	13.6
75°	0.0	2.3	2.3	2.3	4.5	4.5	4.5	4.5	6.8	6.8	9.1
72.5°	0.0	0.0	0.0	2.3	2.3	4.5	4.5	4.5	6.8	6.8	6.8
70°	0.0	0.0	0.0	2.3	2.3	4.5	4.5	4.5	6.8	6.8	6.8
67.5°	0.0	0.0	0.0	2.3	2.3	4.5	4.5	4.5	6.8	6.8	6.8
65°	0.0	0.0	0.0	2.3	2.3	4.5	4.5	6.8	6.8	6.8	6.8
62.5°	2.3	2.3	2.3	4.5	6.8	6.8	9.1	11.3	11.3	11.3	11.3
60°	22.6	24.9	27.2	27.2	24.9	24.9	27.2	27.2	27.2	27.2	27.2
57.5°	61.1	65.6	67.9	67.9	67.9	65.6	74.7	77.0	67.9	63.4	70.2
55°	212.7	219.5	215.0	208.2	194.6	178.8	174.3	172.0	174.3	163.0	144.8
52.5°	310.1	316.9	314.6	310.1	301.0	289.7	280.6	271.6	262.5	244.4	224.1
50°	402.9	405.1	402.9	398.3	389.3	378.0	359.9	339.5	321.4	316.9	298.7
47.5°	507.0	513.8	513.8	511.5	504.7	484.3	457.2	427.8	414.2	409.6	391.5
45°	599.8	604.3	606.6	608.8	606.6	586.2	561.3	545.4	516.0	507.0	507.0
42.5°	624.7	626.9	629.2	631.4	638.2	622.4	602.0	574.9	568.1	565.8	561.3
40°	633.7	629.2	631.4	633.7	636.0	624.7	608.8	593.0	588.4	583.9	583.9
37.5°	719.7	699.3	683.5	669.9	658.6	647.3	631.4	617.9	606.6	597.5	606.6
35°	613.3	613.3	629.2	642.8	656.3	669.9	672.2	656.3	631.4	620.1	636.0
32.5°	626.9	626.9	626.9	631.4	636.0	647.3	658.6	665.4	683.5	663.1	663.1
30°	640.5	642.8	647.3	649.6	642.8	638.2	633.7	633.7	645.0	674.4	690.3
27.5°	719.7	719.7	712.9	703.9	683.5	651.8	636.0	613.3	615.6	629.2	667.7
25°	848.7	844.2	828.4	805.7	769.5	724.2	681.2	633.7	613.3	606.6	622.4
22.5°	970.9	964.1	943.8	923.4	894.0	848.7	776.3	703.9	640.5	613.3	606.6
20°	1127.1	1111.3	1088.6	1056.9	1009.4	964.1	900.8	805.7	712.9	642.8	615.6
17.5°	1378.3	1358.0	1314.9	1258.4	1176.9	1106.7	1016.2	925.7	821.6	708.4	647.3
15°	1928.3	1876.2	1801.5	1645.4	1484.7	1351.2	1215.4	1063.7	957.4	808.0	715.2
12.5°	3032.8	2890.2	2672.9	2308.5	1948.7	1638.6	1419.1	1224.4	1052.4	914.4	783.1
10°	5133.1	4827.5	4227.8	3231.9	2568.8	1998.5	1604.6	1344.4	1127.1	984.5	839.7
7.5°	12982.0	10589.8	7493.6	5117.2	3360.9	2442.0	1835.5	1457.5	1206.3	1029.8	884.9
5°	50597.3	41680.1	22234.2	9279.3	5056.1	2953.5	2043.7	1548.1	1258.4	1063.7	918.9
2.5°	160580.0	138671.7	72754.5	19975.5	6208.1	3327.0	2186.3	1604.6	1287.8	1088.6	943.8
0°	230657.1	197681.5	102106.6	26271.8	6733.2	3422.0	2231.6	1616.0	1292.3	1093.2	943.8
-2.5°	211012.0	184676.8	98634.8	24447.6	6880.3	3449.2	2267.8	1654.4	1326.3	1113.5	950.6
-5°	125381.9	109978.2	68805.1	17431.6	6113.0	3202.5	2172.7	1620.5	1303.6	1102.2	946.0
-7.5°	33034.4	28598.5	18812.2	9096.0	3956.2	2709.1	1996.2	1563.9	1274.2	1081.8	927.9
-10°	7964.4	7547.9	6742.2	4132.7	3080.3	2263.3	1769.9	1462.1	1215.4	1054.7	898.5
-12.5°	3840.7	3750.2	3403.9	2806.4	2285.9	1880.8	1602.4	1355.7	1161.0	1007.1	857.8
-15°	2498.6	2446.6	2328.9	2100.3	1835.5	1640.9	1446.2	1247.1	1093.2	937.0	823.8
-17.5°	1849.1	1846.8	1788.0	1702.0	1570.7	1425.8	1283.3	1156.5	1007.1	873.6	787.6
-20°	1532.2	1532.2	1498.3	1441.7	1348.9	1253.8	1158.8	1041.1	918.9	819.3	783.1

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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°	1301.4	1303.6	1285.5	1249.3	1199.5	1120.3	1027.5	932.5	844.2	808.0	796.7
-25°	1152.0	1147.5	1127.1	1093.2	1041.1	977.7	916.6	853.2	828.4	819.3	835.1
-27.5°	975.5	982.3	973.2	957.4	923.4	878.1	864.6	846.5	851.0	864.6	925.7
-30°	871.4	878.1	887.2	894.0	882.7	871.4	875.9	889.5	918.9	970.9	993.6
-32.5°	871.4	873.6	887.2	900.8	907.6	916.6	941.5	986.8	1029.8	1016.2	1011.7
-35°	950.6	943.8	961.9	980.0	1004.9	1036.6	1063.7	1054.7	1038.8	1034.3	1038.8
-37.5°	1176.9	1133.9	1115.8	1104.5	1097.7	1093.2	1086.4	1079.6	1072.8	1068.3	1075.0
-40°	1174.6	1163.3	1152.0	1142.9	1136.2	1127.1	1122.6	1120.3	1113.5	1109.0	1104.5
-42.5°	1170.1	1174.6	1174.6	1172.4	1174.6	1172.4	1165.6	1156.5	1145.2	1136.2	1127.1
-45°	1204.1	1206.3	1210.8	1215.4	1222.2	1213.1	1199.5	1183.7	1167.8	1154.3	1142.9
-47.5°	1224.4	1226.7	1231.2	1238.0	1242.5	1233.5	1215.4	1195.0	1170.1	1147.5	1124.8
-50°	1231.2	1238.0	1240.3	1240.3	1238.0	1226.7	1199.5	1170.1	1142.9	1120.3	1099.9
-52.5°	1199.5	1206.3	1208.6	1204.1	1201.8	1190.5	1165.6	1138.4	1109.0	1093.2	1075.0
-55°	1147.5	1156.5	1163.3	1163.3	1163.3	1161.0	1138.4	1113.5	1090.9	1072.8	1054.7
-57.5°	1127.1	1142.9	1156.5	1158.8	1161.0	1163.3	1147.5	1122.6	1095.4	1068.3	1045.6
-60°	1201.8	1215.4	1222.2	1213.1	1206.3	1199.5	1174.6	1145.2	1118.0	1090.9	1047.9
-62.5°	1181.4	1204.1	1215.4	1208.6	1199.5	1188.2	1161.0	1127.1	1095.4	1066.0	1023.0
-65°	1115.8	1136.2	1149.7	1138.4	1124.8	1109.0	1084.1	1052.4	1023.0	993.6	955.1
-67.5°	1004.9	1034.3	1056.9	1032.0	1013.9	993.6	973.2	946.0	916.6	882.7	846.5
-70°	830.6	853.2	873.6	866.8	862.3	857.8	844.2	817.0	792.1	765.0	733.3
-72.5°	667.7	688.0	706.1	694.8	685.8	672.2	651.8	622.4	593.0	563.5	534.1
-75°	368.9	375.7	382.5	380.2	380.2	380.2	380.2	382.5	378.0	371.2	357.6
-77.5°	282.9	292.0	298.7	303.3	310.1	319.1	325.9	314.6	303.3	292.0	278.4
-80°	221.8	230.9	237.6	262.5	280.6	301.0	314.6	298.7	282.9	269.3	258.0
-82.5°	167.5	174.3	181.1	194.6	203.7	215.0	224.1	224.1	221.8	219.5	212.7
-85°	122.2	131.3	140.3	144.8	151.6	151.6	153.9	144.8	135.8	129.0	120.0
-87.5°	70.2	72.4	72.4	72.4	74.7	74.7	74.7	70.2	67.9	63.4	61.1
-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°	2.3	2.3	2.3	4.5	4.5	6.8	6.8	9.1	9.1	11.3	11.3
85°	13.6	13.6	13.6	15.8	15.8	18.1	20.4	22.6	24.9	24.9	27.2
82.5°	22.6	24.9	27.2	29.4	31.7	33.9	36.2	38.5	45.3	49.8	52.1
80°	22.6	24.9	31.7	36.2	40.7	45.3	45.3	45.3	45.3	47.5	52.1
77.5°	15.8	18.1	20.4	24.9	36.2	45.3	52.1	56.6	52.1	49.8	45.3
75°	9.1	11.3	13.6	15.8	22.6	31.7	43.0	54.3	63.4	61.1	56.6
72.5°	9.1	9.1	11.3	13.6	15.8	18.1	20.4	31.7	45.3	56.6	63.4
70°	9.1	11.3	11.3	13.6	15.8	18.1	20.4	24.9	31.7	45.3	58.8
67.5°	9.1	11.3	11.3	15.8	20.4	22.6	24.9	22.6	20.4	29.4	43.0
65°	9.1	9.1	11.3	13.6	15.8	18.1	24.9	24.9	22.6	22.6	22.6
62.5°	13.6	13.6	13.6	13.6	15.8	15.8	15.8	20.4	20.4	20.4	20.4
60°	27.2	24.9	24.9	24.9	24.9	20.4	20.4	20.4	18.1	20.4	18.1
57.5°	65.6	54.3	49.8	49.8	43.0	40.7	33.9	24.9	24.9	20.4	20.4
55°	133.5	126.7	106.4	88.3	79.2	70.2	54.3	45.3	33.9	27.2	24.9
52.5°	206.0	187.8	169.7	147.1	124.5	106.4	90.5	70.2	56.6	40.7	31.7
50°	269.3	253.5	233.1	208.2	178.8	156.2	133.5	106.4	83.7	63.4	45.3
47.5°	366.6	335.0	310.1	280.6	246.7	215.0	185.6	153.9	117.7	92.8	70.2
45°	470.8	425.5	391.5	364.4	319.1	276.1	242.2	208.2	165.2	122.2	95.1
42.5°	543.2	509.2	464.0	427.8	387.0	341.8	296.5	260.3	215.0	165.2	122.2
40°	581.7	559.0	522.8	491.1	448.1	398.3	350.8	314.6	267.1	212.7	153.9
37.5°	611.1	599.8	581.7	556.8	516.0	457.2	409.6	366.6	325.9	262.5	199.2
35°	645.0	642.8	631.4	620.1	586.2	529.6	473.0	423.2	373.4	314.6	244.4
32.5°	676.7	674.4	667.7	663.1	649.6	599.8	538.7	482.1	425.5	364.4	287.4
30°	692.6	688.0	688.0	692.6	679.0	647.3	602.0	540.9	477.5	405.1	332.7
27.5°	692.6	688.0	690.3	697.1	694.8	679.0	645.0	595.2	525.1	443.6	373.4
25°	663.1	685.8	685.8	694.8	697.1	692.6	674.4	642.8	570.3	484.3	405.1
22.5°	622.4	676.7	697.1	694.8	697.1	708.4	710.7	681.2	613.3	525.1	436.8
20°	622.4	660.9	719.7	703.9	708.4	733.3	744.6	719.7	658.6	563.5	468.5
17.5°	636.0	660.9	710.7	735.6	742.3	762.7	780.8	765.0	699.3	604.3	511.5
15°	674.4	669.9	703.9	765.0	776.3	792.1	812.5	794.4	735.6	649.6	552.2
12.5°	701.6	676.7	703.9	769.5	805.7	821.6	828.4	814.8	767.2	690.3	593.0
10°	737.8	694.8	708.4	765.0	817.0	828.4	835.1	830.6	796.7	724.2	629.2
7.5°	765.0	703.9	703.9	758.2	828.4	837.4	841.9	846.5	821.6	753.7	660.9
5°	776.3	703.9	699.3	751.4	839.7	848.7	848.7	855.5	839.7	776.3	683.5
2.5°	778.6	701.6	694.8	746.9	860.0	860.0	855.5	862.3	853.2	789.9	699.3
0°	789.9	699.3	692.6	753.7	882.7	873.6	862.3	864.6	860.0	796.7	708.4
-2.5°	789.9	710.7	701.6	758.2	880.4	878.1	873.6	875.9	871.4	817.0	726.5
-5°	801.2	726.5	717.5	778.6	878.1	884.9	887.2	887.2	880.4	830.6	737.8
-7.5°	803.5	737.8	735.6	798.9	882.7	894.0	900.8	905.3	891.7	839.7	746.9
-10°	792.1	742.3	753.7	823.8	887.2	903.0	916.6	923.4	900.8	844.2	751.4
-12.5°	767.2	742.3	771.8	855.5	898.5	916.6	937.0	939.2	909.8	846.5	753.7
-15°	765.0	760.5	803.5	887.2	905.3	927.9	959.6	952.8	916.6	846.5	753.7
-17.5°	762.7	785.3	851.0	898.5	916.6	941.5	966.4	959.6	921.1	846.5	749.1
-20°	783.1	826.1	907.6	909.8	930.2	957.4	970.9	957.4	914.4	839.7	742.3

REPORT NUMBER: P723844

CATALOG NUMBER: IFLD-S-SA3D-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°	817.0	898.5	925.7	934.7	952.8	973.2	980.0	959.6	907.6	828.4	731.0
-25°	903.0	943.8	943.8	964.1	982.3	991.3	984.5	961.9	898.5	817.0	719.7
-27.5°	968.7	966.4	977.7	998.1	1013.9	1013.9	995.8	950.6	884.9	805.7	703.9
-30°	993.6	995.8	1011.7	1034.3	1038.8	1027.5	1000.4	941.5	873.6	787.6	683.5
-32.5°	1018.5	1027.5	1047.9	1059.2	1061.5	1038.8	989.0	925.7	855.5	767.2	660.9
-35°	1047.9	1066.0	1077.3	1079.6	1068.3	1029.8	973.2	905.3	828.4	737.8	640.5
-37.5°	1086.4	1095.4	1102.2	1093.2	1061.5	1016.2	946.0	878.1	803.5	706.1	611.1
-40°	1111.3	1115.8	1118.0	1088.6	1050.1	984.5	916.6	846.5	760.5	669.9	579.4
-42.5°	1127.1	1122.6	1104.5	1072.8	1016.2	952.8	887.2	808.0	722.0	633.7	545.4
-45°	1122.6	1106.7	1079.6	1041.1	982.3	918.9	841.9	762.7	681.2	595.2	507.0
-47.5°	1104.5	1079.6	1045.6	1000.4	946.0	869.1	792.1	715.2	636.0	552.2	470.8
-50°	1081.8	1052.4	1011.7	955.1	882.7	812.5	742.3	667.7	586.2	509.2	436.8
-52.5°	1056.9	1025.3	973.2	909.8	830.6	758.2	690.3	617.9	543.2	470.8	407.4
-55°	1029.8	998.1	939.2	866.8	787.6	708.4	642.8	581.7	509.2	439.1	382.5
-57.5°	1016.2	975.5	914.4	841.9	758.2	676.7	620.1	554.5	488.9	416.4	362.1
-60°	1004.9	964.1	907.6	823.8	744.6	667.7	602.0	538.7	468.5	400.6	346.3
-62.5°	973.2	930.2	878.1	796.7	719.7	649.6	590.7	516.0	448.1	384.8	335.0
-65°	909.8	864.6	819.3	746.9	676.7	611.1	552.2	484.3	421.0	366.6	323.6
-67.5°	810.2	771.8	731.0	669.9	611.1	552.2	497.9	439.1	387.0	348.5	325.9
-70°	699.3	658.6	617.9	568.1	518.3	470.8	427.8	384.8	350.8	330.4	312.3
-72.5°	509.2	491.1	470.8	432.3	391.5	362.1	341.8	323.6	298.7	280.6	269.3
-75°	339.5	314.6	282.9	269.3	271.6	267.1	255.7	242.2	230.9	224.1	208.2
-77.5°	264.8	251.2	235.4	219.5	212.7	206.0	196.9	185.6	176.5	160.7	138.1
-80°	244.4	233.1	221.8	210.5	199.2	183.3	165.2	147.1	138.1	131.3	129.0
-82.5°	201.4	187.8	174.3	163.0	147.1	135.8	124.5	115.4	115.4	113.2	110.9
-85°	115.4	110.9	104.1	99.6	95.1	88.3	81.5	77.0	74.7	72.4	70.2
-87.5°	58.8	56.6	52.1	49.8	47.5	45.3	40.7	38.5	36.2	36.2	33.9
-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: P723844

CATALOG NUMBER: IFLD-S-SA3D-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°	11.3	11.3	9.1	9.1	9.1	6.8	4.5	4.5	2.3	2.3	0.0
85°	27.2	22.6	20.4	18.1	18.1	13.6	9.1	6.8	4.5	2.3	2.3
82.5°	52.1	45.3	38.5	33.9	27.2	20.4	15.8	11.3	6.8	4.5	2.3
80°	58.8	58.8	56.6	47.5	38.5	29.4	20.4	13.6	9.1	6.8	4.5
77.5°	45.3	49.8	49.8	49.8	47.5	36.2	24.9	15.8	9.1	6.8	4.5
75°	52.1	45.3	43.0	45.3	43.0	36.2	29.4	18.1	11.3	9.1	4.5
72.5°	63.4	54.3	47.5	45.3	40.7	33.9	27.2	20.4	11.3	9.1	6.8
70°	58.8	56.6	52.1	47.5	40.7	33.9	27.2	20.4	13.6	9.1	6.8
67.5°	52.1	52.1	52.1	47.5	40.7	31.7	24.9	18.1	13.6	9.1	6.8
65°	36.2	43.0	47.5	45.3	40.7	31.7	24.9	18.1	13.6	11.3	6.8
62.5°	22.6	29.4	38.5	43.0	38.5	31.7	22.6	18.1	13.6	11.3	6.8
60°	20.4	22.6	27.2	33.9	36.2	29.4	22.6	15.8	13.6	11.3	6.8
57.5°	20.4	20.4	22.6	27.2	29.4	27.2	20.4	13.6	13.6	11.3	9.1
55°	22.6	20.4	20.4	22.6	24.9	24.9	20.4	13.6	13.6	11.3	9.1
52.5°	27.2	22.6	20.4	20.4	20.4	22.6	18.1	13.6	13.6	11.3	9.1
50°	33.9	27.2	24.9	20.4	20.4	20.4	18.1	13.6	11.3	11.3	9.1
47.5°	45.3	36.2	27.2	24.9	20.4	18.1	15.8	13.6	11.3	11.3	9.1
45°	67.9	43.0	36.2	27.2	22.6	20.4	18.1	13.6	11.3	11.3	9.1
42.5°	92.8	63.4	45.3	31.7	24.9	20.4	18.1	15.8	11.3	11.3	9.1
40°	117.7	86.0	56.6	40.7	29.4	22.6	18.1	15.8	13.6	11.3	9.1
37.5°	144.8	106.4	74.7	52.1	33.9	24.9	20.4	15.8	13.6	11.3	9.1
35°	178.8	133.5	92.8	63.4	40.7	29.4	22.6	15.8	13.6	11.3	9.1
32.5°	217.3	158.4	110.9	77.0	52.1	36.2	24.9	18.1	13.6	11.3	9.1
30°	253.5	187.8	131.3	92.8	63.4	40.7	27.2	18.1	13.6	11.3	6.8
27.5°	289.7	217.3	156.2	108.6	77.0	47.5	29.4	20.4	13.6	11.3	9.1
25°	325.9	246.7	181.1	124.5	88.3	56.6	36.2	22.6	13.6	11.3	9.1
22.5°	357.6	276.1	203.7	142.6	101.8	65.6	40.7	24.9	15.8	11.3	9.1
20°	393.8	307.8	228.6	163.0	113.2	74.7	45.3	27.2	15.8	11.3	9.1
17.5°	427.8	339.5	253.5	181.1	126.7	83.7	52.1	29.4	18.1	11.3	9.1
15°	461.7	368.9	276.1	199.2	140.3	92.8	56.6	31.7	20.4	11.3	9.1
12.5°	493.4	396.1	296.5	215.0	151.6	101.8	61.1	33.9	22.6	11.3	9.1
10°	522.8	421.0	316.9	228.6	163.0	108.6	65.6	38.5	24.9	11.3	9.1
7.5°	552.2	441.3	332.7	242.2	176.5	117.7	70.2	40.7	27.2	13.6	9.1
5°	570.3	459.4	346.3	253.5	187.8	126.7	74.7	43.0	29.4	13.6	9.1
2.5°	586.2	473.0	355.3	264.8	199.2	133.5	74.7	45.3	31.7	13.6	9.1
0°	595.2	482.1	362.1	271.6	208.2	138.1	77.0	47.5	33.9	13.6	9.1
-2.5°	615.6	497.9	378.0	280.6	217.3	151.6	81.5	49.8	36.2	15.8	9.1
-5°	629.2	507.0	389.3	289.7	224.1	165.2	88.3	54.3	40.7	20.4	11.3
-7.5°	640.5	516.0	398.3	294.2	230.9	169.7	90.5	56.6	43.0	22.6	11.3
-10°	642.8	520.5	405.1	301.0	235.4	176.5	92.8	58.8	45.3	24.9	11.3
-12.5°	645.0	525.1	407.4	305.5	239.9	181.1	95.1	61.1	47.5	27.2	11.3
-15°	642.8	522.8	407.4	310.1	242.2	176.5	99.6	63.4	49.8	29.4	11.3
-17.5°	638.2	520.5	405.1	307.8	239.9	172.0	101.8	67.9	49.8	31.7	13.6
-20°	631.4	513.8	400.6	305.5	237.6	167.5	104.1	70.2	52.1	31.7	13.6

REPORT NUMBER: P723844

CATALOG NUMBER: IFLD-S-SA3D-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°	620.1	502.4	391.5	298.7	233.1	163.0	104.1	74.7	54.3	31.7	13.6
-25°	606.6	491.1	382.5	289.7	226.3	156.2	104.1	77.0	56.6	31.7	13.6
-27.5°	590.7	479.8	368.9	282.9	217.3	151.6	104.1	79.2	58.8	31.7	13.6
-30°	572.6	464.0	357.6	271.6	210.5	151.6	106.4	81.5	61.1	31.7	13.6
-32.5°	554.5	448.1	344.0	262.5	201.4	149.4	106.4	83.7	63.4	29.4	15.8
-35°	534.1	430.0	332.7	255.7	194.6	144.8	108.6	83.7	61.1	29.4	15.8
-37.5°	509.2	407.4	321.4	249.0	190.1	140.3	108.6	86.0	58.8	29.4	15.8
-40°	482.1	389.3	307.8	239.9	183.3	138.1	108.6	86.0	56.6	29.4	18.1
-42.5°	452.7	368.9	294.2	230.9	176.5	135.8	108.6	86.0	54.3	29.4	18.1
-45°	425.5	348.5	278.4	219.5	169.7	135.8	108.6	83.7	49.8	31.7	18.1
-47.5°	396.1	325.9	260.3	208.2	167.5	133.5	106.4	79.2	45.3	31.7	18.1
-50°	371.2	303.3	246.7	196.9	163.0	135.8	108.6	72.4	45.3	31.7	18.1
-52.5°	346.3	287.4	230.9	192.4	158.4	138.1	106.4	67.9	45.3	31.7	18.1
-55°	325.9	271.6	221.8	185.6	163.0	142.6	101.8	61.1	45.3	31.7	18.1
-57.5°	310.1	262.5	215.0	187.8	169.7	138.1	95.1	58.8	45.3	29.4	18.1
-60°	298.7	253.5	217.3	196.9	172.0	131.3	90.5	58.8	45.3	29.4	15.8
-62.5°	289.7	255.7	228.6	203.7	163.0	122.2	86.0	58.8	40.7	27.2	15.8
-65°	292.0	264.8	233.1	194.6	156.2	113.2	79.2	56.6	38.5	24.9	15.8
-67.5°	298.7	258.0	219.5	183.3	140.3	101.8	72.4	52.1	36.2	24.9	15.8
-70°	276.1	237.6	199.2	156.2	120.0	88.3	67.9	47.5	31.7	22.6	15.8
-72.5°	249.0	199.2	158.4	126.7	101.8	81.5	61.1	43.0	29.4	20.4	13.6
-75°	181.1	144.8	117.7	106.4	90.5	72.4	54.3	38.5	27.2	20.4	13.6
-77.5°	129.0	120.0	108.6	97.3	81.5	63.4	47.5	36.2	24.9	18.1	11.3
-80°	126.7	115.4	101.8	83.7	67.9	54.3	40.7	31.7	22.6	15.8	9.1
-82.5°	106.4	90.5	77.0	63.4	52.1	43.0	33.9	24.9	18.1	11.3	6.8
-85°	65.6	56.6	49.8	43.0	36.2	29.4	22.6	15.8	11.3	6.8	4.5
-87.5°	31.7	29.4	24.9	20.4	18.1	13.6	11.3	9.1	6.8	4.5	2.3
-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: P723844

CATALOG NUMBER: IFLD-S-SA3D-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°	2.3	0.0	0.0	0.0
80°	2.3	0.0	0.0	0.0
77.5°	2.3	0.0	0.0	0.0
75°	2.3	2.3	0.0	0.0
72.5°	2.3	2.3	0.0	0.0
70°	4.5	2.3	2.3	0.0
67.5°	4.5	2.3	2.3	0.0
65°	4.5	2.3	2.3	0.0
62.5°	4.5	2.3	2.3	0.0
60°	4.5	2.3	2.3	0.0
57.5°	4.5	2.3	2.3	0.0
55°	4.5	2.3	2.3	0.0
52.5°	4.5	2.3	2.3	0.0
50°	4.5	2.3	2.3	0.0
47.5°	4.5	4.5	2.3	0.0
45°	4.5	4.5	2.3	0.0
42.5°	4.5	4.5	2.3	0.0
40°	4.5	4.5	2.3	0.0
37.5°	4.5	4.5	2.3	0.0
35°	4.5	4.5	2.3	0.0
32.5°	6.8	4.5	2.3	0.0
30°	6.8	4.5	4.5	0.0
27.5°	6.8	4.5	4.5	0.0
25°	6.8	4.5	4.5	0.0
22.5°	6.8	4.5	4.5	0.0
20°	6.8	4.5	4.5	0.0
17.5°	6.8	4.5	4.5	0.0
15°	6.8	4.5	4.5	0.0
12.5°	6.8	4.5	4.5	0.0
10°	6.8	4.5	4.5	0.0
7.5°	6.8	4.5	4.5	0.0
5°	6.8	4.5	4.5	0.0
2.5°	6.8	4.5	4.5	0.0
0°	6.8	4.5	4.5	0.0
-2.5°	6.8	4.5	4.5	0.0
-5°	6.8	4.5	4.5	0.0
-7.5°	6.8	4.5	4.5	0.0
-10°	6.8	4.5	4.5	0.0
-12.5°	9.1	4.5	4.5	0.0
-15°	9.1	4.5	4.5	0.0
-17.5°	9.1	4.5	4.5	0.0
-20°	9.1	4.5	4.5	0.0

REPORT NUMBER: P723844

CATALOG NUMBER: IFLD-S-SA3D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	9.1	4.5	4.5	0.0
-25°	9.1	4.5	4.5	0.0
-27.5°	9.1	4.5	4.5	0.0
-30°	9.1	4.5	4.5	0.0
-32.5°	9.1	4.5	4.5	0.0
-35°	9.1	4.5	4.5	0.0
-37.5°	9.1	4.5	4.5	0.0
-40°	9.1	4.5	4.5	0.0
-42.5°	6.8	4.5	2.3	0.0
-45°	9.1	4.5	2.3	0.0
-47.5°	9.1	4.5	2.3	0.0
-50°	9.1	4.5	2.3	0.0
-52.5°	9.1	4.5	2.3	0.0
-55°	9.1	4.5	2.3	0.0
-57.5°	9.1	4.5	2.3	0.0
-60°	9.1	4.5	2.3	0.0
-62.5°	9.1	4.5	2.3	0.0
-65°	9.1	4.5	2.3	0.0
-67.5°	9.1	4.5	2.3	0.0
-70°	9.1	2.3	2.3	0.0
-72.5°	6.8	2.3	2.3	0.0
-75°	6.8	2.3	2.3	0.0
-77.5°	4.5	2.3	0.0	0.0
-80°	4.5	2.3	0.0	0.0
-82.5°	4.5	2.3	0.0	0.0
-85°	2.3	0.0	0.0	0.0
-87.5°	2.3	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)