

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: P723657

Luminaire Tested: **IFLD-L-SA7E-727-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723657
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-727-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	24992.6 lumens	Max Intensity:	587988.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	46.9 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:	9063.4 lumens	Field Lumens:	14448.7 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

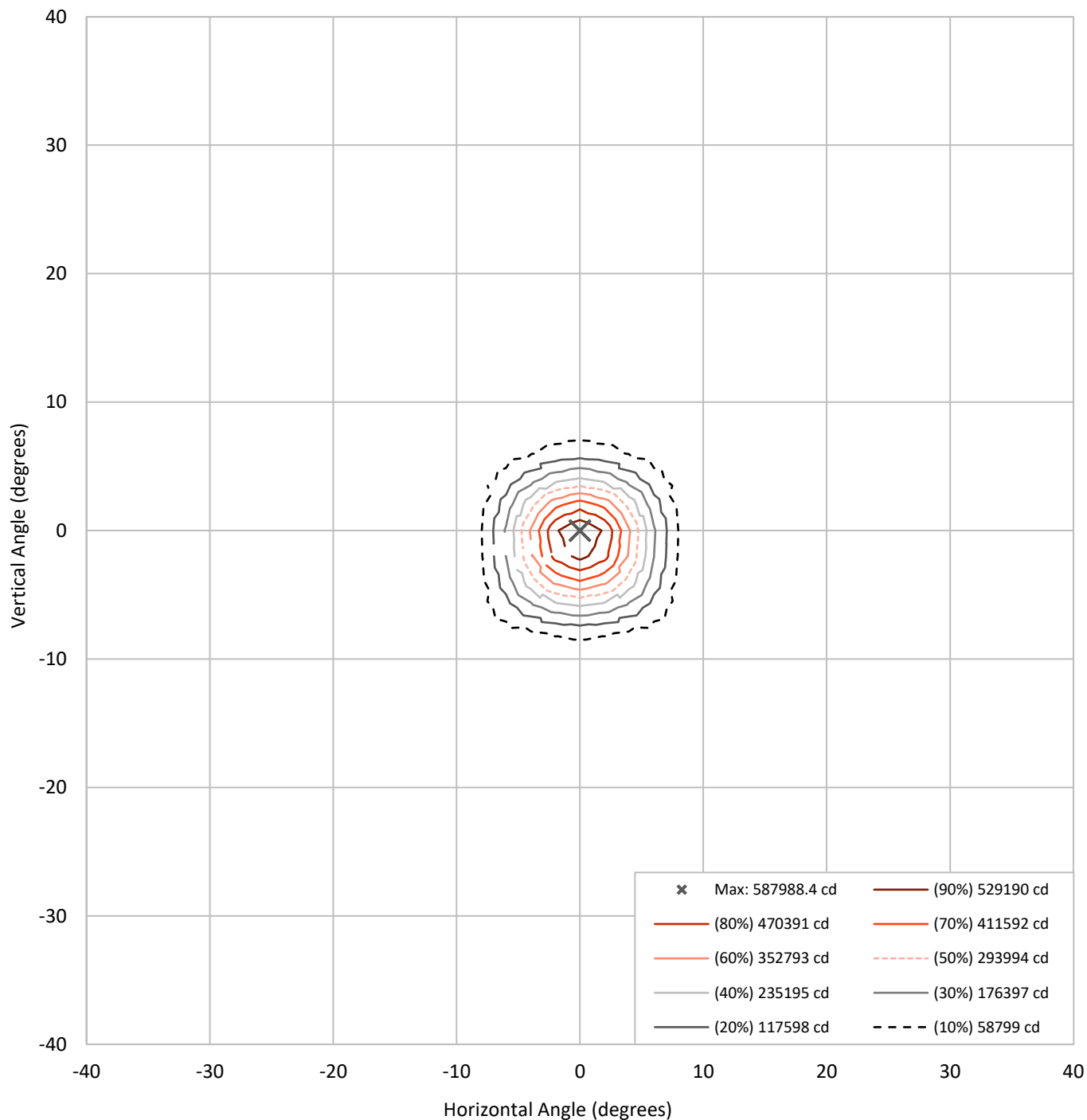
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Candela Plot



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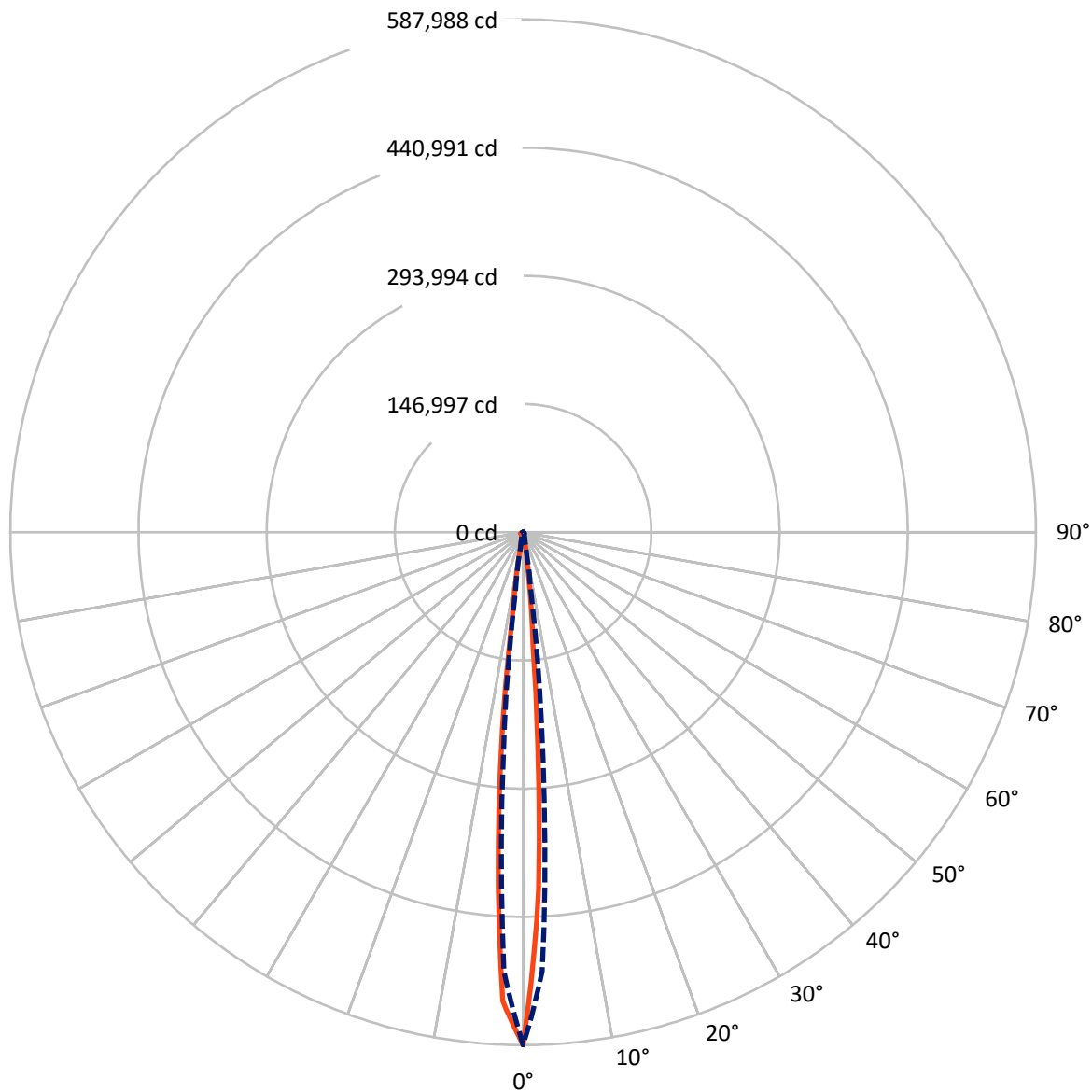
Lumen Table

90																			
80	0.4	5.6		6.0		2.3		0.6		2.3		6.0		5.6		0.4			
70																			
60	0.6	1.2	1.6	1.2	1.0	0.8	0.6	0.4	0.4	0.6	0.8	1.0	1.2	1.6	1.2	0.6			
50		0.8	1.1	2.9	6.4	10.5	13.5	15.5	15.5	13.5	10.5	6.4	2.9	1.1	0.8				
40	0.6	0.8	3.4	11.4	22.4	32.8	39.4	43.7	43.7	39.4	32.8	22.4	11.4	3.4	0.8	0.6			
30		1.7	8.7	23.4	38.0	44.6	48.2	49.9	49.9	48.2	44.6	38.0	23.4	8.7	1.7				
20	1.0	3.2	14.8	34.0	44.0	45.4	53.5	64.4	64.4	53.5	45.4	44.0	34.0	14.8	3.2	1.0			
10		5.1	20.8	41.8	47.0	53.0	93.1	158.6	158.6	93.1	53.0	47.0	41.8	20.8	5.1				
0	1.7	6.6	25.5	45.9	48.7	65.4	177.0	3280.9	3280.9	177.0	65.4	48.7	45.9	25.5	6.6	1.7			
-10		7.7	27.9	48.2	50.5	67.6	190.7	4783.9	4783.9	190.7	67.6	50.5	48.2	27.9	7.7				
-20	2.4	8.3	28.6	50.8	54.6	61.0	110.9	212.8	212.8	110.9	61.0	54.6	50.8	28.6	8.3	2.4			
-30		7.8	27.2	51.4	61.3	61.4	71.8	87.6	87.6	71.8	61.4	61.3	51.4	27.2	7.8				
-40	2.6	6.9	24.0	49.2	67.5	73.5	76.5	77.2	77.2	76.5	73.5	67.5	49.2	24.0	6.9	2.6			
-50		6.1	19.4	41.7	65.1	79.1	88.7	93.0	93.0	88.7	79.1	65.1	41.7	19.4	6.1				
-60	2.1	5.5	14.9	32.4	55.5	74.5	86.6	91.6	91.6	86.6	74.5	55.5	32.4	14.9	5.5	2.1			
-70		5.1	13.1	26.4	46.3	65.2	78.8	85.2	85.2	78.8	65.2	46.3	26.4	13.1	5.1				
-80	1.0	15.5		46.0		85.3		94.2		85.3		46.0		15.5		1.0			
-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



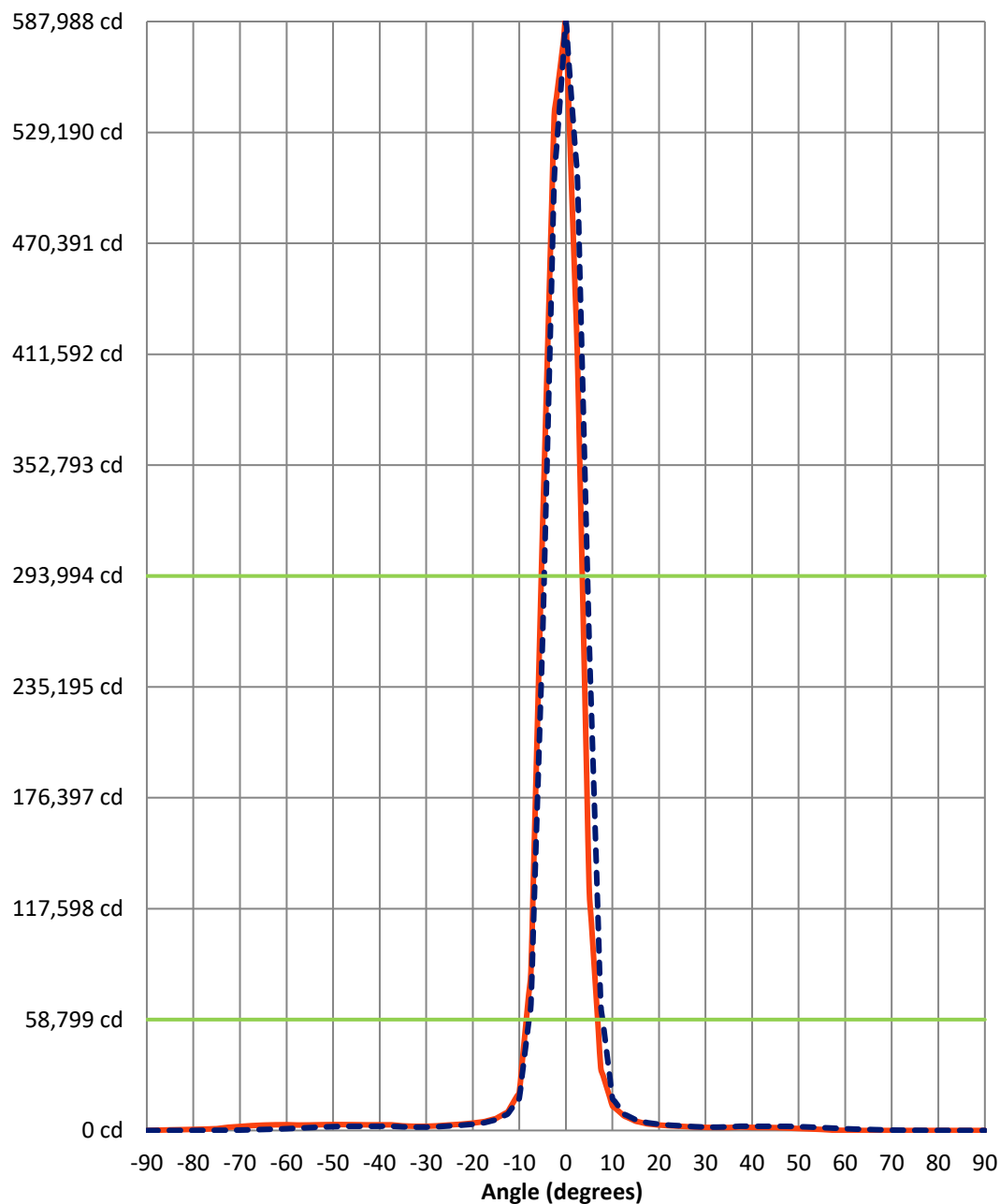
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 9063.4

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 14448.7

Efficiency: 57.8%

Spill:

Lumens: 10543.9

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	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
85°	0.0	5.8	5.8	11.5	11.5	11.5	17.3	23.1	28.8	28.8	34.6
82.5°	0.0	5.8	5.8	11.5	11.5	17.3	17.3	28.8	34.6	40.4	51.9
80°	5.8	5.8	5.8	11.5	11.5	17.3	17.3	23.1	28.8	40.4	46.2
77.5°	0.0	5.8	5.8	5.8	11.5	11.5	11.5	17.3	23.1	28.8	34.6
75°	0.0	5.8	5.8	5.8	11.5	11.5	11.5	11.5	17.3	17.3	23.1
72.5°	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5	17.3	17.3	17.3
70°	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5	17.3	17.3	17.3
67.5°	0.0	0.0	0.0	5.8	5.8	11.5	11.5	11.5	17.3	17.3	17.3
65°	0.0	0.0	0.0	5.8	5.8	11.5	11.5	17.3	17.3	17.3	17.3
62.5°	5.8	5.8	5.8	11.5	17.3	17.3	23.1	28.8	28.8	28.8	28.8
60°	57.7	63.5	69.2	69.2	63.5	63.5	69.2	69.2	69.2	69.2	69.2
57.5°	155.8	167.3	173.1	173.1	173.1	167.3	190.4	196.2	173.1	161.5	178.9
55°	542.3	559.6	548.1	530.8	496.2	455.8	444.2	438.5	444.2	415.4	369.2
52.5°	790.4	807.7	802.0	790.4	767.3	738.5	715.4	692.3	669.3	623.1	571.2
50°	1027.0	1032.7	1027.0	1015.4	992.3	963.5	917.3	865.4	819.3	807.7	761.6
47.5°	1292.4	1309.7	1309.7	1303.9	1286.6	1234.7	1165.4	1090.4	1055.8	1044.3	998.1
45°	1528.9	1540.4	1546.2	1552.0	1546.2	1494.3	1430.8	1390.4	1315.4	1292.4	1292.4
42.5°	1592.4	1598.1	1603.9	1609.7	1627.0	1586.6	1534.7	1465.4	1448.1	1442.4	1430.8
40°	1615.4	1603.9	1609.7	1615.4	1621.2	1592.4	1552.0	1511.6	1500.1	1488.5	1488.5
37.5°	1834.7	1782.8	1742.4	1707.8	1678.9	1650.1	1609.7	1575.1	1546.2	1523.1	1546.2
35°	1563.5	1563.5	1603.9	1638.5	1673.1	1707.8	1713.5	1673.1	1609.7	1580.8	1621.2
32.5°	1598.1	1598.1	1598.1	1609.7	1621.2	1650.1	1678.9	1696.2	1742.4	1690.5	1690.5
30°	1632.8	1638.5	1650.1	1655.8	1638.5	1627.0	1615.4	1615.4	1644.3	1719.3	1759.7
27.5°	1834.7	1834.7	1817.4	1794.3	1742.4	1661.6	1621.2	1563.5	1569.3	1603.9	1702.0
25°	2163.5	2152.0	2111.6	2053.9	1961.6	1846.2	1736.6	1615.4	1563.5	1546.2	1586.6
22.5°	2475.1	2457.8	2405.9	2353.9	2278.9	2163.5	1978.9	1794.3	1632.8	1563.5	1546.2
20°	2873.2	2832.8	2775.1	2694.3	2573.2	2457.8	2296.2	2053.9	1817.4	1638.5	1569.3
17.5°	3513.6	3461.7	3352.1	3207.8	3000.1	2821.3	2590.5	2359.7	2094.3	1805.8	1650.1
15°	4915.6	4782.9	4592.5	4194.4	3784.8	3444.4	3098.2	2711.6	2440.5	2059.7	1823.1
12.5°	7731.1	7367.6	6813.7	5884.8	4967.5	4177.1	3617.4	3121.3	2682.8	2330.9	1996.2
10°	13085.1	12306.3	10777.3	8238.8	6548.3	5094.4	4090.5	3427.1	2873.2	2509.7	2140.5
7.5°	33093.6	26995.3	19102.7	13044.7	8567.6	6225.2	4679.0	3715.5	3075.1	2625.1	2255.9
5°	128982.0	106250.3	56679.1	23654.8	12889.0	7529.1	5209.8	3946.3	3207.8	2711.6	2342.4
2.5°	409348.7	353500.4	185465.0	50921.2	15825.6	8481.1	5573.3	4090.5	3282.8	2775.1	2405.9
0°	587988.4	503927.4	260289.0	66971.9	17164.1	8723.4	5688.7	4119.4	3294.4	2786.6	2405.9
-2.5°	537909.5	470776.1	251438.7	62321.7	17539.1	8792.7	5781.0	4217.5	3380.9	2838.6	2423.2
-5°	319622.1	280355.2	175397.3	44436.4	15583.3	8163.8	5538.7	4130.9	3323.2	2809.7	2411.6
-7.5°	84211.0	72902.9	47955.7	23187.4	10085.0	6906.0	5088.7	3986.7	3248.2	2757.8	2365.5
-10°	20302.7	19241.1	17187.2	10535.0	7852.2	5769.5	4511.7	3727.1	3098.2	2688.6	2290.5
-12.5°	9790.8	9560.0	8677.3	7154.1	5827.2	4794.4	4084.8	3455.9	2959.7	2567.4	2186.6
-15°	6369.5	6236.8	5936.8	5354.1	4679.0	4182.9	3686.7	3179.0	2786.6	2388.6	2100.1
-17.5°	4713.6	4707.9	4557.9	4338.6	4004.0	3634.8	3271.3	2948.2	2567.4	2227.0	2007.8
-20°	3905.9	3905.9	3819.4	3675.1	3438.6	3196.3	2954.0	2654.0	2342.4	2088.5	1996.2

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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°	3317.4	3323.2	3277.1	3184.7	3057.8	2855.9	2619.3	2377.0	2152.0	2059.7	2030.8
-25°	2936.7	2925.1	2873.2	2786.6	2654.0	2492.4	2336.6	2175.1	2111.6	2088.5	2128.9
-27.5°	2486.6	2503.9	2480.9	2440.5	2353.9	2238.5	2203.9	2157.8	2169.3	2203.9	2359.7
-30°	2221.2	2238.5	2261.6	2278.9	2250.1	2221.2	2232.8	2267.4	2342.4	2475.1	2532.8
-32.5°	2221.2	2227.0	2261.6	2296.2	2313.6	2336.6	2400.1	2515.5	2625.1	2590.5	2578.9
-35°	2423.2	2405.9	2452.0	2498.2	2561.6	2642.4	2711.6	2688.6	2648.2	2636.6	2648.2
-37.5°	3000.1	2890.5	2844.3	2815.5	2798.2	2786.6	2769.3	2752.0	2734.7	2723.2	2740.5
-40°	2994.3	2965.5	2936.7	2913.6	2896.3	2873.2	2861.7	2855.9	2838.6	2827.0	2815.5
-42.5°	2982.8	2994.3	2994.3	2988.6	2994.3	2988.6	2971.3	2948.2	2919.3	2896.3	2873.2
-45°	3069.4	3075.1	3086.7	3098.2	3115.5	3092.4	3057.8	3017.4	2977.0	2942.4	2913.6
-47.5°	3121.3	3127.0	3138.6	3155.9	3167.4	3144.4	3098.2	3046.3	2982.8	2925.1	2867.4
-50°	3138.6	3155.9	3161.7	3161.7	3155.9	3127.0	3057.8	2982.8	2913.6	2855.9	2804.0
-52.5°	3057.8	3075.1	3080.9	3069.4	3063.6	3034.7	2971.3	2902.0	2827.0	2786.6	2740.5
-55°	2925.1	2948.2	2965.5	2965.5	2965.5	2959.7	2902.0	2838.6	2780.9	2734.7	2688.6
-57.5°	2873.2	2913.6	2948.2	2954.0	2959.7	2965.5	2925.1	2861.7	2792.4	2723.2	2665.5
-60°	3063.6	3098.2	3115.5	3092.4	3075.1	3057.8	2994.3	2919.3	2850.1	2780.9	2671.3
-62.5°	3011.7	3069.4	3098.2	3080.9	3057.8	3029.0	2959.7	2873.2	2792.4	2717.4	2607.8
-65°	2844.3	2896.3	2930.9	2902.0	2867.4	2827.0	2763.6	2682.8	2607.8	2532.8	2434.7
-67.5°	2561.6	2636.6	2694.3	2630.9	2584.7	2532.8	2480.9	2411.6	2336.6	2250.1	2157.8
-70°	2117.4	2175.1	2227.0	2209.7	2198.2	2186.6	2152.0	2082.8	2019.3	1950.1	1869.3
-72.5°	1702.0	1753.9	1800.1	1771.2	1748.1	1713.5	1661.6	1586.6	1511.6	1436.6	1361.6
-75°	940.4	957.7	975.0	969.3	969.3	969.3	969.3	975.0	963.5	946.2	911.6
-77.5°	721.2	744.3	761.6	773.1	790.4	813.5	830.8	802.0	773.1	744.3	709.6
-80°	565.4	588.5	605.8	669.3	715.4	767.3	802.0	761.6	721.2	686.6	657.7
-82.5°	426.9	444.2	461.6	496.2	519.3	548.1	571.2	571.2	565.4	559.6	542.3
-85°	311.6	334.6	357.7	369.2	386.6	386.6	392.3	369.2	346.2	328.9	305.8
-87.5°	178.9	184.6	184.6	184.6	190.4	190.4	190.4	178.9	173.1	161.5	155.8
-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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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°	5.8	5.8	5.8	11.5	11.5	17.3	17.3	23.1	23.1	28.8	28.8
85°	34.6	34.6	34.6	40.4	40.4	46.2	51.9	57.7	63.5	63.5	69.2
82.5°	57.7	63.5	69.2	75.0	80.8	86.5	92.3	98.1	115.4	126.9	132.7
80°	57.7	63.5	80.8	92.3	103.9	115.4	115.4	115.4	115.4	121.2	132.7
77.5°	40.4	46.2	51.9	63.5	92.3	115.4	132.7	144.2	132.7	126.9	115.4
75°	23.1	28.8	34.6	40.4	57.7	80.8	109.6	138.5	161.5	155.8	144.2
72.5°	23.1	23.1	28.8	34.6	40.4	46.2	51.9	80.8	115.4	144.2	161.5
70°	23.1	28.8	28.8	34.6	40.4	46.2	51.9	63.5	80.8	115.4	150.0
67.5°	23.1	28.8	28.8	40.4	51.9	57.7	63.5	57.7	51.9	75.0	109.6
65°	23.1	23.1	28.8	34.6	40.4	46.2	63.5	63.5	57.7	57.7	57.7
62.5°	34.6	34.6	34.6	34.6	40.4	40.4	40.4	51.9	51.9	51.9	51.9
60°	69.2	63.5	63.5	63.5	63.5	51.9	51.9	51.9	46.2	51.9	46.2
57.5°	167.3	138.5	126.9	126.9	109.6	103.9	86.5	63.5	63.5	51.9	51.9
55°	340.4	323.1	271.2	225.0	201.9	178.9	138.5	115.4	86.5	69.2	63.5
52.5°	525.0	478.9	432.7	375.0	317.3	271.2	230.8	178.9	144.2	103.9	80.8
50°	686.6	646.2	594.3	530.8	455.8	398.1	340.4	271.2	213.5	161.5	115.4
47.5°	934.7	853.9	790.4	715.4	628.9	548.1	473.1	392.3	300.0	236.5	178.9
45°	1200.0	1084.7	998.1	928.9	813.5	703.9	617.3	530.8	421.2	311.6	242.3
42.5°	1384.7	1298.1	1182.7	1090.4	986.6	871.2	755.8	663.5	548.1	421.2	311.6
40°	1482.8	1425.1	1332.7	1252.0	1142.4	1015.4	894.3	802.0	680.8	542.3	392.3
37.5°	1557.8	1528.9	1482.8	1419.3	1315.4	1165.4	1044.3	934.7	830.8	669.3	507.7
35°	1644.3	1638.5	1609.7	1580.8	1494.3	1350.1	1205.8	1078.9	952.0	802.0	623.1
32.5°	1725.1	1719.3	1702.0	1690.5	1655.8	1528.9	1373.1	1228.9	1084.7	928.9	732.7
30°	1765.5	1753.9	1753.9	1765.5	1730.8	1650.1	1534.7	1378.9	1217.4	1032.7	848.1
27.5°	1765.5	1753.9	1759.7	1777.0	1771.2	1730.8	1644.3	1517.4	1338.5	1130.8	952.0
25°	1690.5	1748.1	1748.1	1771.2	1777.0	1765.5	1719.3	1638.5	1453.9	1234.7	1032.7
22.5°	1586.6	1725.1	1777.0	1771.2	1777.0	1805.8	1811.6	1736.6	1563.5	1338.5	1113.5
20°	1586.6	1684.7	1834.7	1794.3	1805.8	1869.3	1898.2	1834.7	1678.9	1436.6	1194.3
17.5°	1621.2	1684.7	1811.6	1875.1	1892.4	1944.3	1990.5	1950.1	1782.8	1540.4	1303.9
15°	1719.3	1707.8	1794.3	1950.1	1978.9	2019.3	2071.2	2025.1	1875.1	1655.8	1407.7
12.5°	1788.5	1725.1	1794.3	1961.6	2053.9	2094.3	2111.6	2077.0	1955.8	1759.7	1511.6
10°	1880.8	1771.2	1805.8	1950.1	2082.8	2111.6	2128.9	2117.4	2030.8	1846.2	1603.9
7.5°	1950.1	1794.3	1794.3	1932.8	2111.6	2134.7	2146.2	2157.8	2094.3	1921.2	1684.7
5°	1978.9	1794.3	1782.8	1915.5	2140.5	2163.5	2163.5	2180.9	2140.5	1978.9	1742.4
2.5°	1984.7	1788.5	1771.2	1903.9	2192.4	2192.4	2180.9	2198.2	2175.1	2013.5	1782.8
0°	2013.5	1782.8	1765.5	1921.2	2250.1	2227.0	2198.2	2203.9	2192.4	2030.8	1805.8
-2.5°	2013.5	1811.6	1788.5	1932.8	2244.3	2238.5	2227.0	2232.8	2221.2	2082.8	1852.0
-5°	2042.4	1852.0	1828.9	1984.7	2238.5	2255.9	2261.6	2261.6	2244.3	2117.4	1880.8
-7.5°	2048.2	1880.8	1875.1	2036.6	2250.1	2278.9	2296.2	2307.8	2273.2	2140.5	1903.9
-10°	2019.3	1892.4	1921.2	2100.1	2261.6	2302.0	2336.6	2353.9	2296.2	2152.0	1915.5
-12.5°	1955.8	1892.4	1967.4	2180.9	2290.5	2336.6	2388.6	2394.3	2319.3	2157.8	1921.2
-15°	1950.1	1938.5	2048.2	2261.6	2307.8	2365.5	2446.2	2428.9	2336.6	2157.8	1921.2
-17.5°	1944.3	2002.0	2169.3	2290.5	2336.6	2400.1	2463.6	2446.2	2348.2	2157.8	1909.7
-20°	1996.2	2105.9	2313.6	2319.3	2371.2	2440.5	2475.1	2440.5	2330.9	2140.5	1892.4

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CATALOG NUMBER: IFLD-L-SA7E-727-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°	2082.8	2290.5	2359.7	2382.8	2428.9	2480.9	2498.2	2446.2	2313.6	2111.6	1863.5
-25°	2302.0	2405.9	2405.9	2457.8	2503.9	2527.0	2509.7	2452.0	2290.5	2082.8	1834.7
-27.5°	2469.3	2463.6	2492.4	2544.3	2584.7	2584.7	2538.6	2423.2	2255.9	2053.9	1794.3
-30°	2532.8	2538.6	2578.9	2636.6	2648.2	2619.3	2550.1	2400.1	2227.0	2007.8	1742.4
-32.5°	2596.3	2619.3	2671.3	2700.1	2705.9	2648.2	2521.3	2359.7	2180.9	1955.8	1684.7
-35°	2671.3	2717.4	2746.3	2752.0	2723.2	2625.1	2480.9	2307.8	2111.6	1880.8	1632.8
-37.5°	2769.3	2792.4	2809.7	2786.6	2705.9	2590.5	2411.6	2238.5	2048.2	1800.1	1557.8
-40°	2832.8	2844.3	2850.1	2775.1	2677.0	2509.7	2336.6	2157.8	1938.5	1707.8	1477.0
-42.5°	2873.2	2861.7	2815.5	2734.7	2590.5	2428.9	2261.6	2059.7	1840.5	1615.4	1390.4
-45°	2861.7	2821.3	2752.0	2654.0	2503.9	2342.4	2146.2	1944.3	1736.6	1517.4	1292.4
-47.5°	2815.5	2752.0	2665.5	2550.1	2411.6	2215.5	2019.3	1823.1	1621.2	1407.7	1200.0
-50°	2757.8	2682.8	2578.9	2434.7	2250.1	2071.2	1892.4	1702.0	1494.3	1298.1	1113.5
-52.5°	2694.3	2613.6	2480.9	2319.3	2117.4	1932.8	1759.7	1575.1	1384.7	1200.0	1038.5
-55°	2625.1	2544.3	2394.3	2209.7	2007.8	1805.8	1638.5	1482.8	1298.1	1119.3	975.0
-57.5°	2590.5	2486.6	2330.9	2146.2	1932.8	1725.1	1580.8	1413.5	1246.2	1061.6	923.1
-60°	2561.6	2457.8	2313.6	2100.1	1898.2	1702.0	1534.7	1373.1	1194.3	1021.2	882.7
-62.5°	2480.9	2371.2	2238.5	2030.8	1834.7	1655.8	1505.8	1315.4	1142.4	980.8	853.9
-65°	2319.3	2203.9	2088.5	1903.9	1725.1	1557.8	1407.7	1234.7	1073.1	934.7	825.0
-67.5°	2065.5	1967.4	1863.5	1707.8	1557.8	1407.7	1269.3	1119.3	986.6	888.5	830.8
-70°	1782.8	1678.9	1575.1	1448.1	1321.2	1200.0	1090.4	980.8	894.3	842.3	796.2
-72.5°	1298.1	1252.0	1200.0	1102.0	998.1	923.1	871.2	825.0	761.6	715.4	686.6
-75°	865.4	802.0	721.2	686.6	692.3	680.8	651.9	617.3	588.5	571.2	530.8
-77.5°	675.0	640.4	600.0	559.6	542.3	525.0	501.9	473.1	450.0	409.6	351.9
-80°	623.1	594.3	565.4	536.6	507.7	467.3	421.2	375.0	351.9	334.6	328.9
-82.5°	513.5	478.9	444.2	415.4	375.0	346.2	317.3	294.2	294.2	288.5	282.7
-85°	294.2	282.7	265.4	253.9	242.3	225.0	207.7	196.2	190.4	184.6	178.9
-87.5°	150.0	144.2	132.7	126.9	121.2	115.4	103.9	98.1	92.3	92.3	86.5
-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-L-SA7E-727-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°	28.8	28.8	23.1	23.1	23.1	17.3	11.5	11.5	5.8	5.8	0.0
85°	69.2	57.7	51.9	46.2	46.2	34.6	23.1	17.3	11.5	5.8	5.8
82.5°	132.7	115.4	98.1	86.5	69.2	51.9	40.4	28.8	17.3	11.5	5.8
80°	150.0	150.0	144.2	121.2	98.1	75.0	51.9	34.6	23.1	17.3	11.5
77.5°	115.4	126.9	126.9	126.9	121.2	92.3	63.5	40.4	23.1	17.3	11.5
75°	132.7	115.4	109.6	115.4	109.6	92.3	75.0	46.2	28.8	23.1	11.5
72.5°	161.5	138.5	121.2	115.4	103.9	86.5	69.2	51.9	28.8	23.1	17.3
70°	150.0	144.2	132.7	121.2	103.9	86.5	69.2	51.9	34.6	23.1	17.3
67.5°	132.7	132.7	132.7	121.2	103.9	80.8	63.5	46.2	34.6	23.1	17.3
65°	92.3	109.6	121.2	115.4	103.9	80.8	63.5	46.2	34.6	28.8	17.3
62.5°	57.7	75.0	98.1	109.6	98.1	80.8	57.7	46.2	34.6	28.8	17.3
60°	51.9	57.7	69.2	86.5	92.3	75.0	57.7	40.4	34.6	28.8	17.3
57.5°	51.9	51.9	57.7	69.2	75.0	69.2	51.9	34.6	34.6	28.8	23.1
55°	57.7	51.9	51.9	57.7	63.5	63.5	51.9	34.6	34.6	28.8	23.1
52.5°	69.2	57.7	51.9	51.9	51.9	57.7	46.2	34.6	34.6	28.8	23.1
50°	86.5	69.2	63.5	51.9	51.9	51.9	46.2	34.6	28.8	28.8	23.1
47.5°	115.4	92.3	69.2	63.5	51.9	46.2	40.4	34.6	28.8	28.8	23.1
45°	173.1	109.6	92.3	69.2	57.7	51.9	46.2	34.6	28.8	28.8	23.1
42.5°	236.5	161.5	115.4	80.8	63.5	51.9	46.2	40.4	28.8	28.8	23.1
40°	300.0	219.2	144.2	103.9	75.0	57.7	46.2	40.4	34.6	28.8	23.1
37.5°	369.2	271.2	190.4	132.7	86.5	63.5	51.9	40.4	34.6	28.8	23.1
35°	455.8	340.4	236.5	161.5	103.9	75.0	57.7	40.4	34.6	28.8	23.1
32.5°	553.9	403.9	282.7	196.2	132.7	92.3	63.5	46.2	34.6	28.8	23.1
30°	646.2	478.9	334.6	236.5	161.5	103.9	69.2	46.2	34.6	28.8	17.3
27.5°	738.5	553.9	398.1	276.9	196.2	121.2	75.0	51.9	34.6	28.8	23.1
25°	830.8	628.9	461.6	317.3	225.0	144.2	92.3	57.7	34.6	28.8	23.1
22.5°	911.6	703.9	519.3	363.5	259.6	167.3	103.9	63.5	40.4	28.8	23.1
20°	1003.9	784.6	582.7	415.4	288.5	190.4	115.4	69.2	40.4	28.8	23.1
17.5°	1090.4	865.4	646.2	461.6	323.1	213.5	132.7	75.0	46.2	28.8	23.1
15°	1177.0	940.4	703.9	507.7	357.7	236.5	144.2	80.8	51.9	28.8	23.1
12.5°	1257.7	1009.7	755.8	548.1	386.6	259.6	155.8	86.5	57.7	28.8	23.1
10°	1332.7	1073.1	807.7	582.7	415.4	276.9	167.3	98.1	63.5	28.8	23.1
7.5°	1407.7	1125.0	848.1	617.3	450.0	300.0	178.9	103.9	69.2	34.6	23.1
5°	1453.9	1171.2	882.7	646.2	478.9	323.1	190.4	109.6	75.0	34.6	23.1
2.5°	1494.3	1205.8	905.8	675.0	507.7	340.4	190.4	115.4	80.8	34.6	23.1
0°	1517.4	1228.9	923.1	692.3	530.8	351.9	196.2	121.2	86.5	34.6	23.1
-2.5°	1569.3	1269.3	963.5	715.4	553.9	386.6	207.7	126.9	92.3	40.4	23.1
-5°	1603.9	1292.4	992.3	738.5	571.2	421.2	225.0	138.5	103.9	51.9	28.8
-7.5°	1632.8	1315.4	1015.4	750.0	588.5	432.7	230.8	144.2	109.6	57.7	28.8
-10°	1638.5	1327.0	1032.7	767.3	600.0	450.0	236.5	150.0	115.4	63.5	28.8
-12.5°	1644.3	1338.5	1038.5	778.9	611.6	461.6	242.3	155.8	121.2	69.2	28.8
-15°	1638.5	1332.7	1038.5	790.4	617.3	450.0	253.9	161.5	126.9	75.0	28.8
-17.5°	1627.0	1327.0	1032.7	784.6	611.6	438.5	259.6	173.1	126.9	80.8	34.6
-20°	1609.7	1309.7	1021.2	778.9	605.8	426.9	265.4	178.9	132.7	80.8	34.6

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CATALOG NUMBER: IFLD-L-SA7E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	1580.8	1280.8	998.1	761.6	594.3	415.4	265.4	190.4	138.5	80.8	34.6
-25°	1546.2	1252.0	975.0	738.5	576.9	398.1	265.4	196.2	144.2	80.8	34.6
-27.5°	1505.8	1223.1	940.4	721.2	553.9	386.6	265.4	201.9	150.0	80.8	34.6
-30°	1459.7	1182.7	911.6	692.3	536.6	386.6	271.2	207.7	155.8	80.8	34.6
-32.5°	1413.5	1142.4	877.0	669.3	513.5	380.8	271.2	213.5	161.5	75.0	40.4
-35°	1361.6	1096.2	848.1	651.9	496.2	369.2	276.9	213.5	155.8	75.0	40.4
-37.5°	1298.1	1038.5	819.3	634.6	484.6	357.7	276.9	219.2	150.0	75.0	40.4
-40°	1228.9	992.3	784.6	611.6	467.3	351.9	276.9	219.2	144.2	75.0	46.2
-42.5°	1153.9	940.4	750.0	588.5	450.0	346.2	276.9	219.2	138.5	75.0	46.2
-45°	1084.7	888.5	709.6	559.6	432.7	346.2	276.9	213.5	126.9	80.8	46.2
-47.5°	1009.7	830.8	663.5	530.8	426.9	340.4	271.2	201.9	115.4	80.8	46.2
-50°	946.2	773.1	628.9	501.9	415.4	346.2	276.9	184.6	115.4	80.8	46.2
-52.5°	882.7	732.7	588.5	490.4	403.9	351.9	271.2	173.1	115.4	80.8	46.2
-55°	830.8	692.3	565.4	473.1	415.4	363.5	259.6	155.8	115.4	80.8	46.2
-57.5°	790.4	669.3	548.1	478.9	432.7	351.9	242.3	150.0	115.4	75.0	46.2
-60°	761.6	646.2	553.9	501.9	438.5	334.6	230.8	150.0	115.4	75.0	40.4
-62.5°	738.5	651.9	582.7	519.3	415.4	311.6	219.2	150.0	103.9	69.2	40.4
-65°	744.3	675.0	594.3	496.2	398.1	288.5	201.9	144.2	98.1	63.5	40.4
-67.5°	761.6	657.7	559.6	467.3	357.7	259.6	184.6	132.7	92.3	63.5	40.4
-70°	703.9	605.8	507.7	398.1	305.8	225.0	173.1	121.2	80.8	57.7	40.4
-72.5°	634.6	507.7	403.9	323.1	259.6	207.7	155.8	109.6	75.0	51.9	34.6
-75°	461.6	369.2	300.0	271.2	230.8	184.6	138.5	98.1	69.2	51.9	34.6
-77.5°	328.9	305.8	276.9	248.1	207.7	161.5	121.2	92.3	63.5	46.2	28.8
-80°	323.1	294.2	259.6	213.5	173.1	138.5	103.9	80.8	57.7	40.4	23.1
-82.5°	271.2	230.8	196.2	161.5	132.7	109.6	86.5	63.5	46.2	28.8	17.3
-85°	167.3	144.2	126.9	109.6	92.3	75.0	57.7	40.4	28.8	17.3	11.5
-87.5°	80.8	75.0	63.5	51.9	46.2	34.6	28.8	23.1	17.3	11.5	5.8
-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-SA7E-727-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°	5.8	0.0	0.0	0.0
80°	5.8	0.0	0.0	0.0
77.5°	5.8	0.0	0.0	0.0
75°	5.8	5.8	0.0	0.0
72.5°	5.8	5.8	0.0	0.0
70°	11.5	5.8	5.8	0.0
67.5°	11.5	5.8	5.8	0.0
65°	11.5	5.8	5.8	0.0
62.5°	11.5	5.8	5.8	0.0
60°	11.5	5.8	5.8	0.0
57.5°	11.5	5.8	5.8	0.0
55°	11.5	5.8	5.8	0.0
52.5°	11.5	5.8	5.8	0.0
50°	11.5	5.8	5.8	0.0
47.5°	11.5	11.5	5.8	0.0
45°	11.5	11.5	5.8	0.0
42.5°	11.5	11.5	5.8	0.0
40°	11.5	11.5	5.8	0.0
37.5°	11.5	11.5	5.8	0.0
35°	11.5	11.5	5.8	0.0
32.5°	17.3	11.5	5.8	0.0
30°	17.3	11.5	11.5	0.0
27.5°	17.3	11.5	11.5	0.0
25°	17.3	11.5	11.5	0.0
22.5°	17.3	11.5	11.5	0.0
20°	17.3	11.5	11.5	0.0
17.5°	17.3	11.5	11.5	0.0
15°	17.3	11.5	11.5	0.0
12.5°	17.3	11.5	11.5	0.0
10°	17.3	11.5	11.5	0.0
7.5°	17.3	11.5	11.5	0.0
5°	17.3	11.5	11.5	0.0
2.5°	17.3	11.5	11.5	0.0
0°	17.3	11.5	11.5	0.0
-2.5°	17.3	11.5	11.5	0.0
-5°	17.3	11.5	11.5	0.0
-7.5°	17.3	11.5	11.5	0.0
-10°	17.3	11.5	11.5	0.0
-12.5°	23.1	11.5	11.5	0.0
-15°	23.1	11.5	11.5	0.0
-17.5°	23.1	11.5	11.5	0.0
-20°	23.1	11.5	11.5	0.0



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CATALOG NUMBER: IFLD-L-SA7E-727-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	23.1	11.5	11.5	0.0
-25°	23.1	11.5	11.5	0.0
-27.5°	23.1	11.5	11.5	0.0
-30°	23.1	11.5	11.5	0.0
-32.5°	23.1	11.5	11.5	0.0
-35°	23.1	11.5	11.5	0.0
-37.5°	23.1	11.5	11.5	0.0
-40°	23.1	11.5	11.5	0.0
-42.5°	17.3	11.5	5.8	0.0
-45°	23.1	11.5	5.8	0.0
-47.5°	23.1	11.5	5.8	0.0
-50°	23.1	11.5	5.8	0.0
-52.5°	23.1	11.5	5.8	0.0
-55°	23.1	11.5	5.8	0.0
-57.5°	23.1	11.5	5.8	0.0
-60°	23.1	11.5	5.8	0.0
-62.5°	23.1	11.5	5.8	0.0
-65°	23.1	11.5	5.8	0.0
-67.5°	23.1	11.5	5.8	0.0
-70°	23.1	5.8	5.8	0.0
-72.5°	17.3	5.8	5.8	0.0
-75°	17.3	5.8	5.8	0.0
-77.5°	11.5	5.8	0.0	0.0
-80°	11.5	5.8	0.0	0.0
-82.5°	11.5	5.8	0.0	0.0
-85°	5.8	0.0	0.0	0.0
-87.5°	5.8	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)