

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: P723864

Luminaire Tested: **IFLD-L-SA8D-830-U-11-VI**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723864
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-830-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	23450.4 lumens	Max Intensity:	551704.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	48.0 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:	8504.1 lumens	Field Lumens:	13557.1 lumens
Beam Efficiency:	36.3%	Field Efficiency:	57.8%

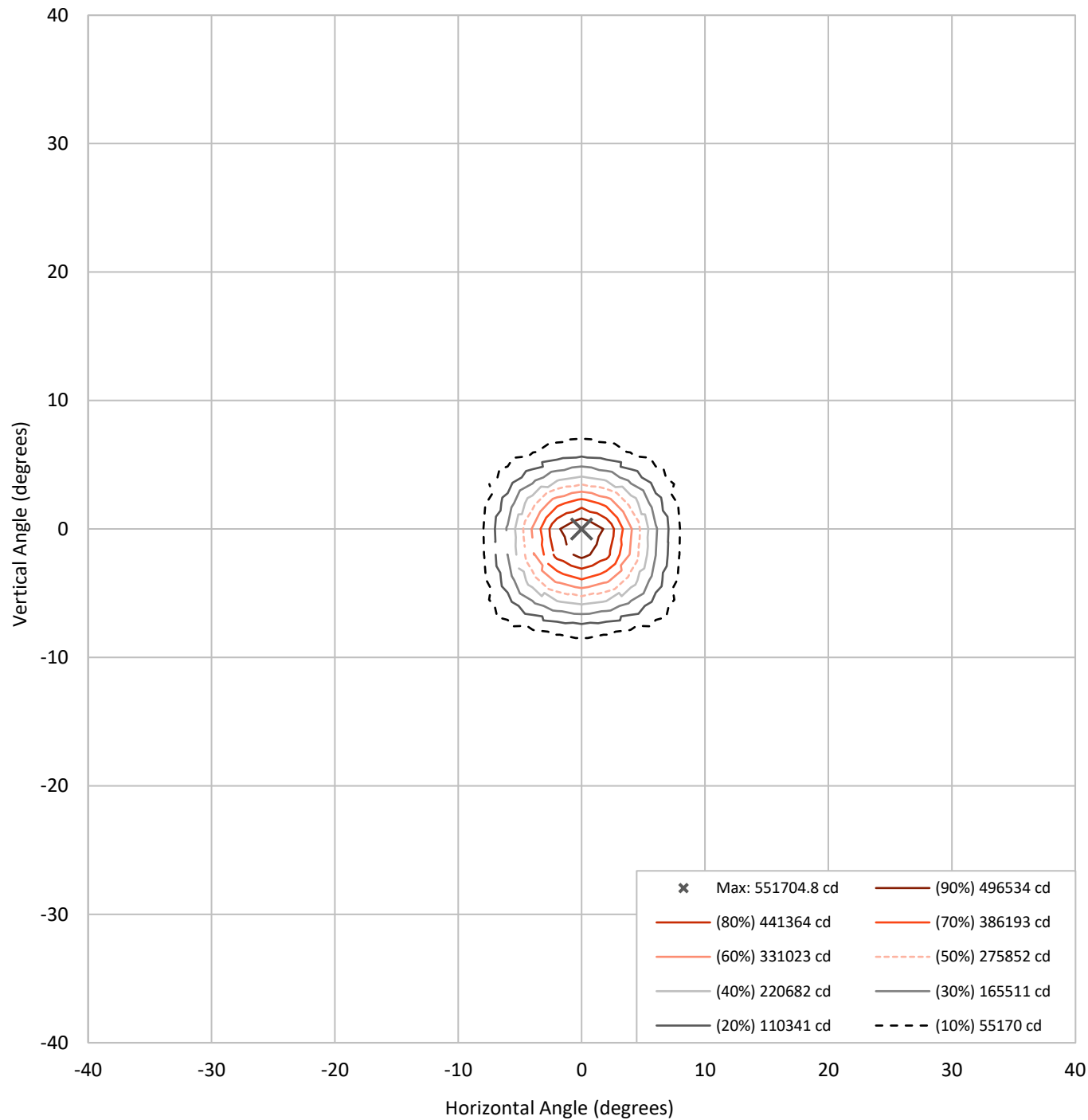
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT





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Iso-Candela Plot



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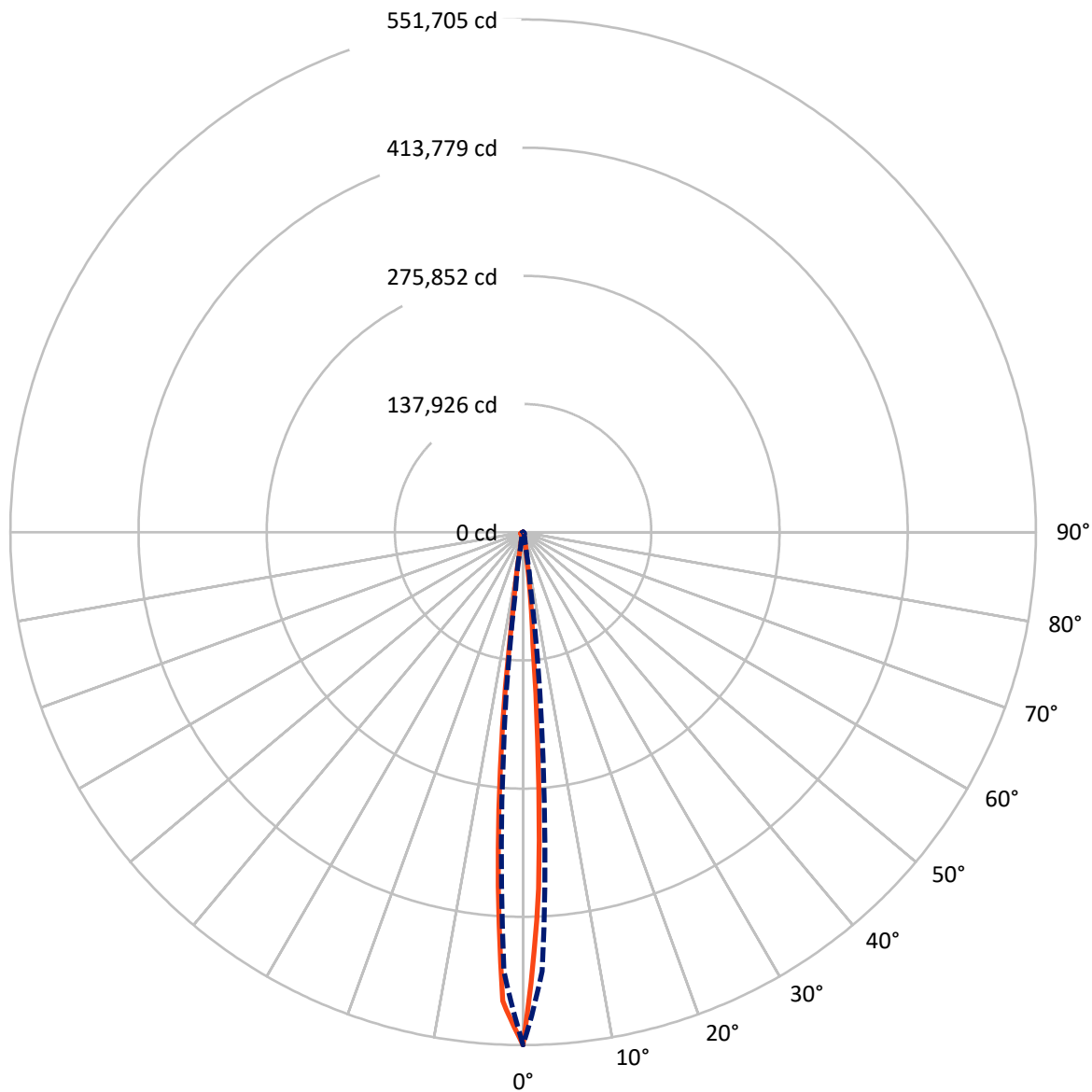
Lumen Table

90																			
80	0.4	5.2		5.7		2.2		0.6		2.2		5.7		5.2		0.4			
70	0.6	1.2	1.5	1.1	0.9	0.7	0.6	0.3	0.3	0.6	0.7	0.9	1.1	1.5	1.2	0.6			
60		0.7	1.1	2.7	6.0	9.9	12.7	14.6	14.6	12.7	9.9	6.0	2.7	1.1	0.7				
50	0.6	0.8	3.2	10.7	21.0	30.8	37.0	41.0	41.0	37.0	30.8	21.0	10.7	3.2	0.8	0.6			
40		1.6	8.1	21.9	35.7	41.9	45.2	46.8	46.8	45.2	41.9	35.7	21.9	8.1	1.6				
30	0.9	3.0	13.9	31.9	41.3	42.6	50.2	60.5	60.5	50.2	42.6	41.3	31.9	13.9	3.0	0.9			
20		4.8	19.5	39.2	44.1	49.7	87.3	148.8	148.8	87.3	49.7	44.1	39.2	19.5	4.8				
10	1.6	6.2	23.9	43.1	45.7	61.4	166.1	3078.5	3078.5	166.1	61.4	45.7	43.1	23.9	6.2	1.6			
0		7.2	26.2	45.3	47.4	63.4	179.0	4488.7	4488.7	179.0	63.4	47.4	45.3	26.2	7.2				
-10	2.2	7.7	26.9	47.7	51.3	57.2	104.0	199.7	199.7	104.0	57.2	51.3	47.7	26.9	7.7	2.2			
-20		7.3	25.5	48.3	57.5	57.6	67.4	82.2	82.2	67.4	57.6	57.5	48.3	25.5	7.3				
-30	2.5	6.5	22.5	46.2	63.3	69.0	71.8	72.4	72.4	71.8	69.0	63.3	46.2	22.5	6.5	2.5			
-40		5.7	18.2	39.2	61.0	74.2	83.2	87.2	87.2	83.2	74.2	61.0	39.2	18.2	5.7				
-50	2.0	5.1	14.0	30.4	52.1	69.9	81.2	85.9	85.9	81.2	69.9	52.1	30.4	14.0	5.1	2.0			
-60		4.8	12.3	24.8	43.4	61.1	74.0	79.9	79.9	74.0	61.1	43.4	24.8	12.3	4.8				
-70	0.9	14.5		43.2		80.0		88.3		80.0		43.2		14.5		0.9			
-80																			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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Luminous Intensity Polar Plot



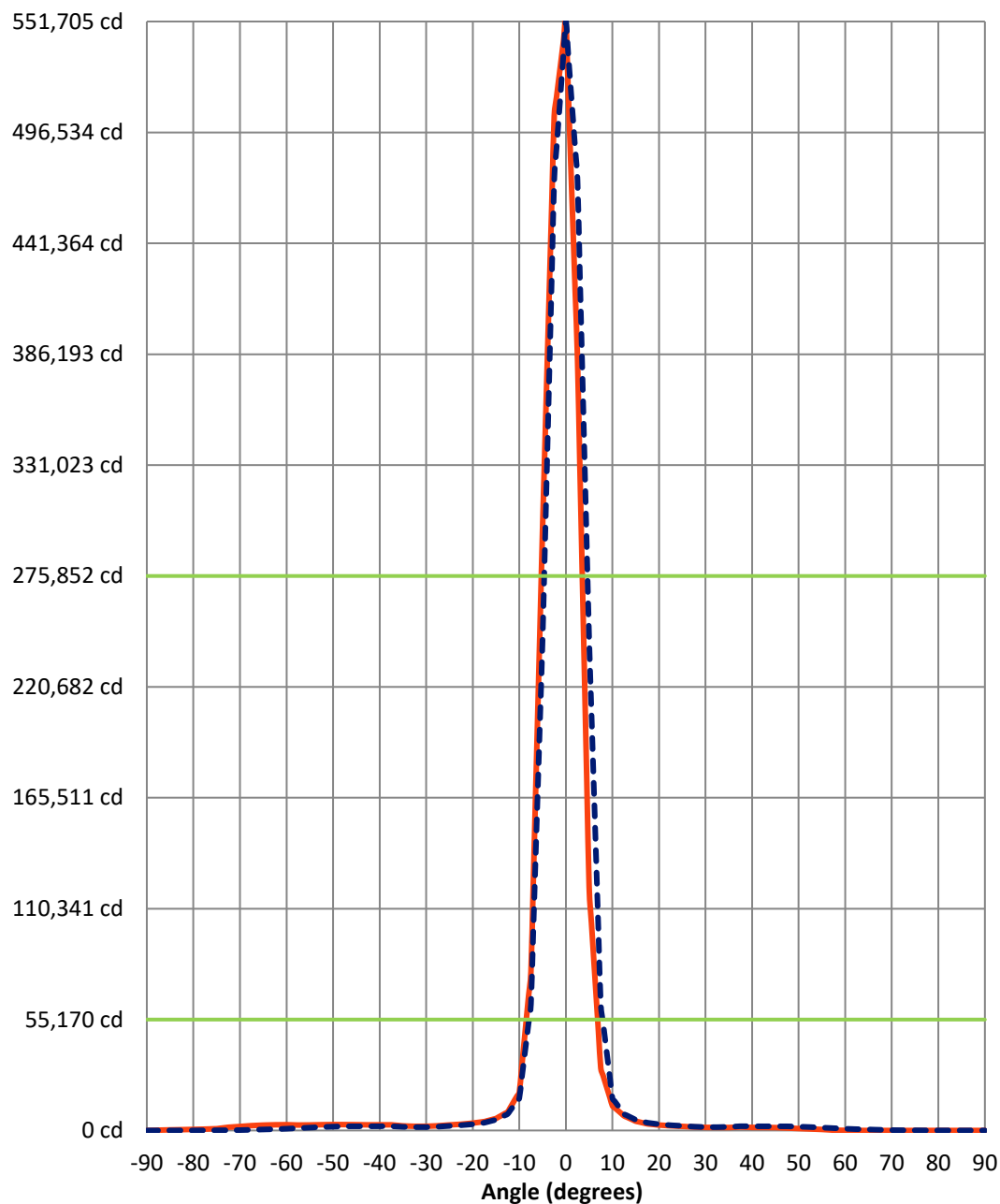
— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:

H Angle: 9.3°

V Angle: 8.8°

Lumens: 8504.1

Efficiency: 36.3%

Field:

H Angle: 15.8°

V Angle: 15.3°

Lumens: 13557.1

Efficiency: 57.8%

Spill:

Lumens: 9893.2

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	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
85°	0.0	5.4	5.4	10.8	10.8	10.8	16.2	21.7	27.1	27.1	32.5
82.5°	0.0	5.4	5.4	10.8	10.8	16.2	16.2	27.1	32.5	37.9	48.7
80°	5.4	5.4	5.4	10.8	10.8	16.2	16.2	21.7	27.1	37.9	43.3
77.5°	0.0	5.4	5.4	5.4	10.8	10.8	10.8	16.2	21.7	27.1	32.5
75°	0.0	5.4	5.4	5.4	10.8	10.8	10.8	10.8	16.2	16.2	21.7
72.5°	0.0	0.0	0.0	5.4	5.4	10.8	10.8	10.8	16.2	16.2	16.2
70°	0.0	0.0	0.0	5.4	5.4	10.8	10.8	10.8	16.2	16.2	16.2
67.5°	0.0	0.0	0.0	5.4	5.4	10.8	10.8	10.8	16.2	16.2	16.2
65°	0.0	0.0	0.0	5.4	5.4	10.8	10.8	16.2	16.2	16.2	16.2
62.5°	5.4	5.4	5.4	10.8	16.2	16.2	21.7	27.1	27.1	27.1	27.1
60°	54.1	59.5	65.0	65.0	59.5	59.5	65.0	65.0	65.0	65.0	65.0
57.5°	146.2	157.0	162.4	162.4	162.4	157.0	178.6	184.1	162.4	151.6	167.8
55°	508.9	525.1	514.3	498.0	465.6	427.7	416.8	411.4	416.8	389.8	346.5
52.5°	741.6	757.9	752.5	741.6	720.0	692.9	671.3	649.6	628.0	584.7	535.9
50°	963.6	969.0	963.6	952.8	931.1	904.0	860.7	812.0	768.7	757.9	714.6
47.5°	1212.6	1228.8	1228.8	1223.4	1207.2	1158.5	1093.5	1023.1	990.7	979.8	936.5
45°	1434.6	1445.4	1450.8	1456.2	1450.8	1402.1	1342.5	1304.6	1234.3	1212.6	1212.6
42.5°	1494.1	1499.5	1504.9	1510.3	1526.6	1488.7	1440.0	1375.0	1358.8	1353.4	1342.5
40°	1515.8	1504.9	1510.3	1515.8	1521.2	1494.1	1456.2	1418.3	1407.5	1396.7	1396.7
37.5°	1721.5	1672.8	1634.9	1602.4	1575.3	1548.2	1510.3	1477.9	1450.8	1429.1	1450.8
35°	1467.0	1467.0	1504.9	1537.4	1569.9	1602.4	1607.8	1569.9	1510.3	1483.3	1521.2
32.5°	1499.5	1499.5	1499.5	1510.3	1521.2	1548.2	1575.3	1591.5	1634.9	1586.1	1586.1
30°	1532.0	1537.4	1548.2	1553.7	1537.4	1526.6	1515.8	1515.8	1542.8	1613.2	1651.1
27.5°	1721.5	1721.5	1705.2	1683.6	1634.9	1559.1	1521.2	1467.0	1472.5	1504.9	1597.0
25°	2030.0	2019.2	1981.3	1927.2	1840.6	1732.3	1629.4	1515.8	1467.0	1450.8	1488.7
22.5°	2322.4	2306.1	2257.4	2208.7	2138.3	2030.0	1856.8	1683.6	1532.0	1467.0	1450.8
20°	2695.9	2658.0	2603.9	2528.1	2414.4	2306.1	2154.5	1927.2	1705.2	1537.4	1472.5
17.5°	3296.8	3248.1	3145.2	3009.9	2815.0	2647.2	2430.6	2214.1	1965.1	1694.4	1548.2
15°	4612.2	4487.7	4309.1	3935.6	3551.2	3231.8	2907.0	2544.3	2289.9	1932.6	1710.6
12.5°	7254.0	6913.0	6393.3	5521.7	4661.0	3919.3	3394.2	2928.7	2517.2	2187.0	1873.0
10°	12277.7	11546.9	10112.3	7730.4	6144.2	4780.1	3838.1	3215.6	2695.9	2354.8	2008.4
7.5°	31051.5	25329.5	17923.9	12239.8	8039.0	5841.1	4390.3	3486.3	2885.4	2463.1	2116.7
5°	121022.8	99693.8	53181.6	22195.1	12093.6	7064.5	4888.3	3702.8	3009.9	2544.3	2197.9
2.5°	384088.6	331686.6	174020.3	47779.0	14849.1	7957.7	5229.4	3838.1	3080.2	2603.9	2257.4
0°	551704.8	472831.1	244227.1	62839.2	16105.0	8185.1	5337.6	3865.2	3091.1	2614.7	2257.4
-2.5°	504716.2	441725.5	235922.9	58475.9	16456.8	8250.1	5424.3	3957.2	3172.3	2663.4	2273.6
-5°	299898.9	263055.1	164573.8	41694.3	14621.7	7660.0	5196.9	3876.0	3118.1	2636.3	2262.8
-7.5°	79014.5	68404.2	44996.5	21756.6	9462.7	6479.9	4774.6	3740.7	3047.8	2587.6	2219.5
-10°	19049.9	18053.8	16126.6	9884.9	7367.7	5413.4	4233.3	3497.1	2907.0	2522.7	2149.1
-12.5°	9186.6	8970.1	8141.8	6712.7	5467.6	4498.6	3832.7	3242.6	2777.1	2409.0	2051.7
-15°	5976.4	5851.9	5570.4	5023.7	4390.3	3924.7	3459.2	2982.8	2614.7	2241.2	1970.5
-17.5°	4422.8	4417.4	4276.6	4070.9	3756.9	3410.5	3069.4	2766.3	2409.0	2089.6	1883.9
-20°	3664.9	3664.9	3583.7	3448.4	3226.4	2999.0	2771.7	2490.2	2197.9	1959.7	1873.0

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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°	3112.7	3118.1	3074.8	2988.2	2869.1	2679.7	2457.7	2230.3	2019.2	1932.6	1905.5
-25°	2755.4	2744.6	2695.9	2614.7	2490.2	2338.6	2192.4	2040.9	1981.3	1959.7	1997.6
-27.5°	2333.2	2349.4	2327.8	2289.9	2208.7	2100.4	2067.9	2024.6	2035.5	2067.9	2214.1
-30°	2084.2	2100.4	2122.1	2138.3	2111.2	2084.2	2095.0	2127.5	2197.9	2322.4	2376.5
-32.5°	2084.2	2089.6	2122.1	2154.5	2170.8	2192.4	2252.0	2360.3	2463.1	2430.6	2419.8
-35°	2273.6	2257.4	2300.7	2344.0	2403.6	2479.4	2544.3	2522.7	2484.8	2473.9	2484.8
-37.5°	2815.0	2712.1	2668.8	2641.8	2625.5	2614.7	2598.4	2582.2	2566.0	2555.1	2571.4
-40°	2809.6	2782.5	2755.4	2733.8	2717.5	2695.9	2685.1	2679.7	2663.4	2652.6	2641.8
-42.5°	2798.7	2809.6	2809.6	2804.2	2809.6	2804.2	2787.9	2766.3	2739.2	2717.5	2695.9
-45°	2879.9	2885.4	2896.2	2907.0	2923.3	2901.6	2869.1	2831.2	2793.3	2760.9	2733.8
-47.5°	2928.7	2934.1	2944.9	2961.1	2972.0	2950.3	2907.0	2858.3	2798.7	2744.6	2690.5
-50°	2944.9	2961.1	2966.6	2966.6	2961.1	2934.1	2869.1	2798.7	2733.8	2679.7	2630.9
-52.5°	2869.1	2885.4	2890.8	2879.9	2874.5	2847.5	2787.9	2723.0	2652.6	2614.7	2571.4
-55°	2744.6	2766.3	2782.5	2782.5	2782.5	2777.1	2723.0	2663.4	2609.3	2566.0	2522.7
-57.5°	2695.9	2733.8	2766.3	2771.7	2777.1	2782.5	2744.6	2685.1	2620.1	2555.1	2501.0
-60°	2874.5	2907.0	2923.3	2901.6	2885.4	2869.1	2809.6	2739.2	2674.2	2609.3	2506.4
-62.5°	2825.8	2879.9	2907.0	2890.8	2869.1	2842.1	2777.1	2695.9	2620.1	2549.7	2446.9
-65°	2668.8	2717.5	2750.0	2723.0	2690.5	2652.6	2593.0	2517.2	2446.9	2376.5	2284.5
-67.5°	2403.6	2473.9	2528.1	2468.5	2425.2	2376.5	2327.8	2262.8	2192.4	2111.2	2024.6
-70°	1986.7	2040.9	2089.6	2073.3	2062.5	2051.7	2019.2	1954.3	1894.7	1829.7	1754.0
-72.5°	1597.0	1645.7	1689.0	1661.9	1640.3	1607.8	1559.1	1488.7	1418.3	1347.9	1277.6
-75°	882.4	898.6	914.9	909.5	909.5	909.5	909.5	914.9	904.0	887.8	855.3
-77.5°	676.7	698.3	714.6	725.4	741.6	763.3	779.5	752.5	725.4	698.3	665.9
-80°	530.5	552.2	568.4	628.0	671.3	720.0	752.5	714.6	676.7	644.2	617.1
-82.5°	400.6	416.8	433.1	465.6	487.2	514.3	535.9	535.9	530.5	525.1	508.9
-85°	292.3	314.0	335.6	346.5	362.7	362.7	368.1	346.5	324.8	308.6	286.9
-87.5°	167.8	173.2	173.2	173.2	178.6	178.6	178.6	167.8	162.4	151.6	146.2
-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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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°	5.4	5.4	5.4	10.8	10.8	16.2	16.2	21.7	21.7	27.1	27.1
85°	32.5	32.5	32.5	37.9	37.9	43.3	48.7	54.1	59.5	59.5	65.0
82.5°	54.1	59.5	65.0	70.4	75.8	81.2	86.6	92.0	108.3	119.1	124.5
80°	54.1	59.5	75.8	86.6	97.4	108.3	108.3	108.3	108.3	113.7	124.5
77.5°	37.9	43.3	48.7	59.5	86.6	108.3	124.5	135.3	124.5	119.1	108.3
75°	21.7	27.1	32.5	37.9	54.1	75.8	102.9	129.9	151.6	146.2	135.3
72.5°	21.7	21.7	27.1	32.5	37.9	43.3	48.7	75.8	108.3	135.3	151.6
70°	21.7	27.1	27.1	32.5	37.9	43.3	48.7	59.5	75.8	108.3	140.7
67.5°	21.7	27.1	27.1	37.9	48.7	54.1	59.5	54.1	48.7	70.4	102.9
65°	21.7	21.7	27.1	32.5	37.9	43.3	59.5	59.5	54.1	54.1	54.1
62.5°	32.5	32.5	32.5	32.5	37.9	37.9	37.9	48.7	48.7	48.7	48.7
60°	65.0	59.5	59.5	59.5	59.5	48.7	48.7	48.7	43.3	48.7	43.3
57.5°	157.0	129.9	119.1	119.1	102.9	97.4	81.2	59.5	59.5	48.7	48.7
55°	319.4	303.2	254.4	211.1	189.5	167.8	129.9	108.3	81.2	65.0	59.5
52.5°	492.6	449.3	406.0	351.9	297.7	254.4	216.5	167.8	135.3	97.4	75.8
50°	644.2	606.3	557.6	498.0	427.7	373.5	319.4	254.4	200.3	151.6	108.3
47.5°	877.0	801.2	741.6	671.3	590.1	514.3	443.9	368.1	281.5	222.0	167.8
45°	1126.0	1017.7	936.5	871.6	763.3	660.4	579.2	498.0	395.2	292.3	227.4
42.5°	1299.2	1218.0	1109.8	1023.1	925.7	817.4	709.2	622.5	514.3	395.2	292.3
40°	1391.3	1337.1	1250.5	1174.7	1071.9	952.8	839.1	752.5	638.8	508.9	368.1
37.5°	1461.6	1434.6	1391.3	1331.7	1234.3	1093.5	979.8	877.0	779.5	628.0	476.4
35°	1542.8	1537.4	1510.3	1483.3	1402.1	1266.7	1131.4	1012.3	893.2	752.5	584.7
32.5°	1618.6	1613.2	1597.0	1586.1	1553.7	1434.6	1288.4	1153.1	1017.7	871.6	687.5
30°	1656.5	1645.7	1645.7	1656.5	1624.0	1548.2	1440.0	1293.8	1142.2	969.0	795.8
27.5°	1656.5	1645.7	1651.1	1667.3	1661.9	1624.0	1542.8	1423.7	1255.9	1061.0	893.2
25°	1586.1	1640.3	1640.3	1661.9	1667.3	1656.5	1613.2	1537.4	1364.2	1158.5	969.0
22.5°	1488.7	1618.6	1667.3	1661.9	1667.3	1694.4	1699.8	1629.4	1467.0	1255.9	1044.8
20°	1488.7	1580.7	1721.5	1683.6	1694.4	1754.0	1781.0	1721.5	1575.3	1347.9	1120.6
17.5°	1521.2	1580.7	1699.8	1759.4	1775.6	1824.3	1867.6	1829.7	1672.8	1445.4	1223.4
15°	1613.2	1602.4	1683.6	1829.7	1856.8	1894.7	1943.4	1900.1	1759.4	1553.7	1320.9
12.5°	1678.2	1618.6	1683.6	1840.6	1927.2	1965.1	1981.3	1948.8	1835.2	1651.1	1418.3
10°	1764.8	1661.9	1694.4	1829.7	1954.3	1981.3	1997.6	1986.7	1905.5	1732.3	1504.9
7.5°	1829.7	1683.6	1683.6	1813.5	1981.3	2003.0	2013.8	2024.6	1965.1	1802.7	1580.7
5°	1856.8	1683.6	1672.8	1797.3	2008.4	2030.0	2030.0	2046.3	2008.4	1856.8	1634.9
2.5°	1862.2	1678.2	1661.9	1786.4	2057.1	2057.1	2046.3	2062.5	2040.9	1889.3	1672.8
0°	1889.3	1672.8	1656.5	1802.7	2111.2	2089.6	2062.5	2067.9	2057.1	1905.5	1694.4
-2.5°	1889.3	1699.8	1678.2	1813.5	2105.8	2100.4	2089.6	2095.0	2084.2	1954.3	1737.7
-5°	1916.4	1737.7	1716.1	1862.2	2100.4	2116.7	2122.1	2122.1	2105.8	1986.7	1764.8
-7.5°	1921.8	1764.8	1759.4	1910.9	2111.2	2138.3	2154.5	2165.4	2132.9	2008.4	1786.4
-10°	1894.7	1775.6	1802.7	1970.5	2122.1	2160.0	2192.4	2208.7	2154.5	2019.2	1797.3
-12.5°	1835.2	1775.6	1846.0	2046.3	2149.1	2192.4	2241.2	2246.6	2176.2	2024.6	1802.7
-15°	1829.7	1818.9	1921.8	2122.1	2165.4	2219.5	2295.3	2279.1	2192.4	2024.6	1802.7
-17.5°	1824.3	1878.5	2035.5	2149.1	2192.4	2252.0	2311.5	2295.3	2203.3	2024.6	1791.8
-20°	1873.0	1975.9	2170.8	2176.2	2224.9	2289.9	2322.4	2289.9	2187.0	2008.4	1775.6

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CATALOG NUMBER: IFLD-L-SA8D-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°	1954.3	2149.1	2214.1	2235.7	2279.1	2327.8	2344.0	2295.3	2170.8	1981.3	1748.5
-25°	2160.0	2257.4	2257.4	2306.1	2349.4	2371.1	2354.8	2300.7	2149.1	1954.3	1721.5
-27.5°	2317.0	2311.5	2338.6	2387.3	2425.2	2425.2	2381.9	2273.6	2116.7	1927.2	1683.6
-30°	2376.5	2381.9	2419.8	2473.9	2484.8	2457.7	2392.7	2252.0	2089.6	1883.9	1634.9
-32.5°	2436.0	2457.7	2506.4	2533.5	2538.9	2484.8	2365.7	2214.1	2046.3	1835.2	1580.7
-35°	2506.4	2549.7	2576.8	2582.2	2555.1	2463.1	2327.8	2165.4	1981.3	1764.8	1532.0
-37.5°	2598.4	2620.1	2636.3	2614.7	2538.9	2430.6	2262.8	2100.4	1921.8	1689.0	1461.6
-40°	2658.0	2668.8	2674.2	2603.9	2511.8	2354.8	2192.4	2024.6	1818.9	1602.4	1385.8
-42.5°	2695.9	2685.1	2641.8	2566.0	2430.6	2279.1	2122.1	1932.6	1726.9	1515.8	1304.6
-45°	2685.1	2647.2	2582.2	2490.2	2349.4	2197.9	2013.8	1824.3	1629.4	1423.7	1212.6
-47.5°	2641.8	2582.2	2501.0	2392.7	2262.8	2078.8	1894.7	1710.6	1521.2	1320.9	1126.0
-50°	2587.6	2517.2	2419.8	2284.5	2111.2	1943.4	1775.6	1597.0	1402.1	1218.0	1044.8
-52.5°	2528.1	2452.3	2327.8	2176.2	1986.7	1813.5	1651.1	1477.9	1299.2	1126.0	974.4
-55°	2463.1	2387.3	2246.6	2073.3	1883.9	1694.4	1537.4	1391.3	1218.0	1050.2	914.9
-57.5°	2430.6	2333.2	2187.0	2013.8	1813.5	1618.6	1483.3	1326.3	1169.3	996.1	866.1
-60°	2403.6	2306.1	2170.8	1970.5	1781.0	1597.0	1440.0	1288.4	1120.6	958.2	828.3
-62.5°	2327.8	2224.9	2100.4	1905.5	1721.5	1553.7	1412.9	1234.3	1071.9	920.3	801.2
-65°	2176.2	2067.9	1959.7	1786.4	1618.6	1461.6	1320.9	1158.5	1006.9	877.0	774.1
-67.5°	1938.0	1846.0	1748.5	1602.4	1461.6	1320.9	1191.0	1050.2	925.7	833.7	779.5
-70°	1672.8	1575.3	1477.9	1358.8	1239.7	1126.0	1023.1	920.3	839.1	790.4	747.1
-72.5°	1218.0	1174.7	1126.0	1034.0	936.5	866.1	817.4	774.1	714.6	671.3	644.2
-75°	812.0	752.5	676.7	644.2	649.6	638.8	611.7	579.2	552.2	535.9	498.0
-77.5°	633.4	600.9	563.0	525.1	508.9	492.6	471.0	443.9	422.2	384.4	330.2
-80°	584.7	557.6	530.5	503.4	476.4	438.5	395.2	351.9	330.2	314.0	308.6
-82.5°	481.8	449.3	416.8	389.8	351.9	324.8	297.7	276.1	276.1	270.7	265.3
-85°	276.1	265.3	249.0	238.2	227.4	211.1	194.9	184.1	178.6	173.2	167.8
-87.5°	140.7	135.3	124.5	119.1	113.7	108.3	97.4	92.0	86.6	86.6	81.2
-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-SA8D-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°	27.1	27.1	21.7	21.7	21.7	16.2	10.8	10.8	5.4	5.4	0.0
85°	65.0	54.1	48.7	43.3	43.3	32.5	21.7	16.2	10.8	5.4	5.4
82.5°	124.5	108.3	92.0	81.2	65.0	48.7	37.9	27.1	16.2	10.8	5.4
80°	140.7	140.7	135.3	113.7	92.0	70.4	48.7	32.5	21.7	16.2	10.8
77.5°	108.3	119.1	119.1	119.1	113.7	86.6	59.5	37.9	21.7	16.2	10.8
75°	124.5	108.3	102.9	108.3	102.9	86.6	70.4	43.3	27.1	21.7	10.8
72.5°	151.6	129.9	113.7	108.3	97.4	81.2	65.0	48.7	27.1	21.7	16.2
70°	140.7	135.3	124.5	113.7	97.4	81.2	65.0	48.7	32.5	21.7	16.2
67.5°	124.5	124.5	124.5	113.7	97.4	75.8	59.5	43.3	32.5	21.7	16.2
65°	86.6	102.9	113.7	108.3	97.4	75.8	59.5	43.3	32.5	27.1	16.2
62.5°	54.1	70.4	92.0	102.9	92.0	75.8	54.1	43.3	32.5	27.1	16.2
60°	48.7	54.1	65.0	81.2	86.6	70.4	54.1	37.9	32.5	27.1	16.2
57.5°	48.7	48.7	54.1	65.0	70.4	65.0	48.7	32.5	32.5	27.1	21.7
55°	54.1	48.7	48.7	54.1	59.5	59.5	48.7	32.5	32.5	27.1	21.7
52.5°	65.0	54.1	48.7	48.7	48.7	54.1	43.3	32.5	32.5	27.1	21.7
50°	81.2	65.0	59.5	48.7	48.7	48.7	43.3	32.5	27.1	27.1	21.7
47.5°	108.3	86.6	65.0	59.5	48.7	43.3	37.9	32.5	27.1	27.1	21.7
45°	162.4	102.9	86.6	65.0	54.1	48.7	43.3	32.5	27.1	27.1	21.7
42.5°	222.0	151.6	108.3	75.8	59.5	48.7	43.3	37.9	27.1	27.1	21.7
40°	281.5	205.7	135.3	97.4	70.4	54.1	43.3	37.9	32.5	27.1	21.7
37.5°	346.5	254.4	178.6	124.5	81.2	59.5	48.7	37.9	32.5	27.1	21.7
35°	427.7	319.4	222.0	151.6	97.4	70.4	54.1	37.9	32.5	27.1	21.7
32.5°	519.7	378.9	265.3	184.1	124.5	86.6	59.5	43.3	32.5	27.1	21.7
30°	606.3	449.3	314.0	222.0	151.6	97.4	65.0	43.3	32.5	27.1	16.2
27.5°	692.9	519.7	373.5	259.8	184.1	113.7	70.4	48.7	32.5	27.1	21.7
25°	779.5	590.1	433.1	297.7	211.1	135.3	86.6	54.1	32.5	27.1	21.7
22.5°	855.3	660.4	487.2	341.0	243.6	157.0	97.4	59.5	37.9	27.1	21.7
20°	941.9	736.2	546.8	389.8	270.7	178.6	108.3	65.0	37.9	27.1	21.7
17.5°	1023.1	812.0	606.3	433.1	303.2	200.3	124.5	70.4	43.3	27.1	21.7
15°	1104.3	882.4	660.4	476.4	335.6	222.0	135.3	75.8	48.7	27.1	21.7
12.5°	1180.1	947.4	709.2	514.3	362.7	243.6	146.2	81.2	54.1	27.1	21.7
10°	1250.5	1006.9	757.9	546.8	389.8	259.8	157.0	92.0	59.5	27.1	21.7
7.5°	1320.9	1055.6	795.8	579.2	422.2	281.5	167.8	97.4	65.0	32.5	21.7
5°	1364.2	1098.9	828.3	606.3	449.3	303.2	178.6	102.9	70.4	32.5	21.7
2.5°	1402.1	1131.4	849.9	633.4	476.4	319.4	178.6	108.3	75.8	32.5	21.7
0°	1423.7	1153.1	866.1	649.6	498.0	330.2	184.1	113.7	81.2	32.5	21.7
-2.5°	1472.5	1191.0	904.0	671.3	519.7	362.7	194.9	119.1	86.6	37.9	21.7
-5°	1504.9	1212.6	931.1	692.9	535.9	395.2	211.1	129.9	97.4	48.7	27.1
-7.5°	1532.0	1234.3	952.8	703.7	552.2	406.0	216.5	135.3	102.9	54.1	27.1
-10°	1537.4	1245.1	969.0	720.0	563.0	422.2	222.0	140.7	108.3	59.5	27.1
-12.5°	1542.8	1255.9	974.4	730.8	573.8	433.1	227.4	146.2	113.7	65.0	27.1
-15°	1537.4	1250.5	974.4	741.6	579.2	422.2	238.2	151.6	119.1	70.4	27.1
-17.5°	1526.6	1245.1	969.0	736.2	573.8	411.4	243.6	162.4	119.1	75.8	32.5
-20°	1510.3	1228.8	958.2	730.8	568.4	400.6	249.0	167.8	124.5	75.8	32.5

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CATALOG NUMBER: IFLD-L-SA8D-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°	1483.3	1201.8	936.5	714.6	557.6	389.8	249.0	178.6	129.9	75.8	32.5
-25°	1450.8	1174.7	914.9	692.9	541.3	373.5	249.0	184.1	135.3	75.8	32.5
-27.5°	1412.9	1147.6	882.4	676.7	519.7	362.7	249.0	189.5	140.7	75.8	32.5
-30°	1369.6	1109.8	855.3	649.6	503.4	362.7	254.4	194.9	146.2	75.8	32.5
-32.5°	1326.3	1071.9	822.8	628.0	481.8	357.3	254.4	200.3	151.6	70.4	37.9
-35°	1277.6	1028.6	795.8	611.7	465.6	346.5	259.8	200.3	146.2	70.4	37.9
-37.5°	1218.0	974.4	768.7	595.5	454.7	335.6	259.8	205.7	140.7	70.4	37.9
-40°	1153.1	931.1	736.2	573.8	438.5	330.2	259.8	205.7	135.3	70.4	43.3
-42.5°	1082.7	882.4	703.7	552.2	422.2	324.8	259.8	205.7	129.9	70.4	43.3
-45°	1017.7	833.7	665.9	525.1	406.0	324.8	259.8	200.3	119.1	75.8	43.3
-47.5°	947.4	779.5	622.5	498.0	400.6	319.4	254.4	189.5	108.3	75.8	43.3
-50°	887.8	725.4	590.1	471.0	389.8	324.8	259.8	173.2	108.3	75.8	43.3
-52.5°	828.3	687.5	552.2	460.1	378.9	330.2	254.4	162.4	108.3	75.8	43.3
-55°	779.5	649.6	530.5	443.9	389.8	341.0	243.6	146.2	108.3	75.8	43.3
-57.5°	741.6	628.0	514.3	449.3	406.0	330.2	227.4	140.7	108.3	70.4	43.3
-60°	714.6	606.3	519.7	471.0	411.4	314.0	216.5	140.7	108.3	70.4	37.9
-62.5°	692.9	611.7	546.8	487.2	389.8	292.3	205.7	140.7	97.4	65.0	37.9
-65°	698.3	633.4	557.6	465.6	373.5	270.7	189.5	135.3	92.0	59.5	37.9
-67.5°	714.6	617.1	525.1	438.5	335.6	243.6	173.2	124.5	86.6	59.5	37.9
-70°	660.4	568.4	476.4	373.5	286.9	211.1	162.4	113.7	75.8	54.1	37.9
-72.5°	595.5	476.4	378.9	303.2	243.6	194.9	146.2	102.9	70.4	48.7	32.5
-75°	433.1	346.5	281.5	254.4	216.5	173.2	129.9	92.0	65.0	48.7	32.5
-77.5°	308.6	286.9	259.8	232.8	194.9	151.6	113.7	86.6	59.5	43.3	27.1
-80°	303.2	276.1	243.6	200.3	162.4	129.9	97.4	75.8	54.1	37.9	21.7
-82.5°	254.4	216.5	184.1	151.6	124.5	102.9	81.2	59.5	43.3	27.1	16.2
-85°	157.0	135.3	119.1	102.9	86.6	70.4	54.1	37.9	27.1	16.2	10.8
-87.5°	75.8	70.4	59.5	48.7	43.3	32.5	27.1	21.7	16.2	10.8	5.4
-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-SA8D-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°	5.4	0.0	0.0	0.0
80°	5.4	0.0	0.0	0.0
77.5°	5.4	0.0	0.0	0.0
75°	5.4	5.4	0.0	0.0
72.5°	5.4	5.4	0.0	0.0
70°	10.8	5.4	5.4	0.0
67.5°	10.8	5.4	5.4	0.0
65°	10.8	5.4	5.4	0.0
62.5°	10.8	5.4	5.4	0.0
60°	10.8	5.4	5.4	0.0
57.5°	10.8	5.4	5.4	0.0
55°	10.8	5.4	5.4	0.0
52.5°	10.8	5.4	5.4	0.0
50°	10.8	5.4	5.4	0.0
47.5°	10.8	10.8	5.4	0.0
45°	10.8	10.8	5.4	0.0
42.5°	10.8	10.8	5.4	0.0
40°	10.8	10.8	5.4	0.0
37.5°	10.8	10.8	5.4	0.0
35°	10.8	10.8	5.4	0.0
32.5°	16.2	10.8	5.4	0.0
30°	16.2	10.8	10.8	0.0
27.5°	16.2	10.8	10.8	0.0
25°	16.2	10.8	10.8	0.0
22.5°	16.2	10.8	10.8	0.0
20°	16.2	10.8	10.8	0.0
17.5°	16.2	10.8	10.8	0.0
15°	16.2	10.8	10.8	0.0
12.5°	16.2	10.8	10.8	0.0
10°	16.2	10.8	10.8	0.0
7.5°	16.2	10.8	10.8	0.0
5°	16.2	10.8	10.8	0.0
2.5°	16.2	10.8	10.8	0.0
0°	16.2	10.8	10.8	0.0
-2.5°	16.2	10.8	10.8	0.0
-5°	16.2	10.8	10.8	0.0
-7.5°	16.2	10.8	10.8	0.0
-10°	16.2	10.8	10.8	0.0
-12.5°	21.7	10.8	10.8	0.0
-15°	21.7	10.8	10.8	0.0
-17.5°	21.7	10.8	10.8	0.0
-20°	21.7	10.8	10.8	0.0

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CATALOG NUMBER: IFLD-L-SA8D-830-U-11-VI

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	21.7	10.8	10.8	0.0
-25°	21.7	10.8	10.8	0.0
-27.5°	21.7	10.8	10.8	0.0
-30°	21.7	10.8	10.8	0.0
-32.5°	21.7	10.8	10.8	0.0
-35°	21.7	10.8	10.8	0.0
-37.5°	21.7	10.8	10.8	0.0
-40°	21.7	10.8	10.8	0.0
-42.5°	16.2	10.8	5.4	0.0
-45°	21.7	10.8	5.4	0.0
-47.5°	21.7	10.8	5.4	0.0
-50°	21.7	10.8	5.4	0.0
-52.5°	21.7	10.8	5.4	0.0
-55°	21.7	10.8	5.4	0.0
-57.5°	21.7	10.8	5.4	0.0
-60°	21.7	10.8	5.4	0.0
-62.5°	21.7	10.8	5.4	0.0
-65°	21.7	10.8	5.4	0.0
-67.5°	21.7	10.8	5.4	0.0
-70°	21.7	5.4	5.4	0.0
-72.5°	16.2	5.4	5.4	0.0
-75°	16.2	5.4	5.4	0.0
-77.5°	10.8	5.4	0.0	0.0
-80°	10.8	5.4	0.0	0.0
-82.5°	10.8	5.4	0.0	0.0
-85°	5.4	0.0	0.0	0.0
-87.5°	5.4	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)