

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: P722180

Luminaire Tested: **IFLD-M-SA4D-827-U-76**

Issue Date: 10/26/2023

Test Information

Test Method: LM-79-2019
Report Number: P722180
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-827-U-76
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7x6 Flood distribution lens
Light Source: (64) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

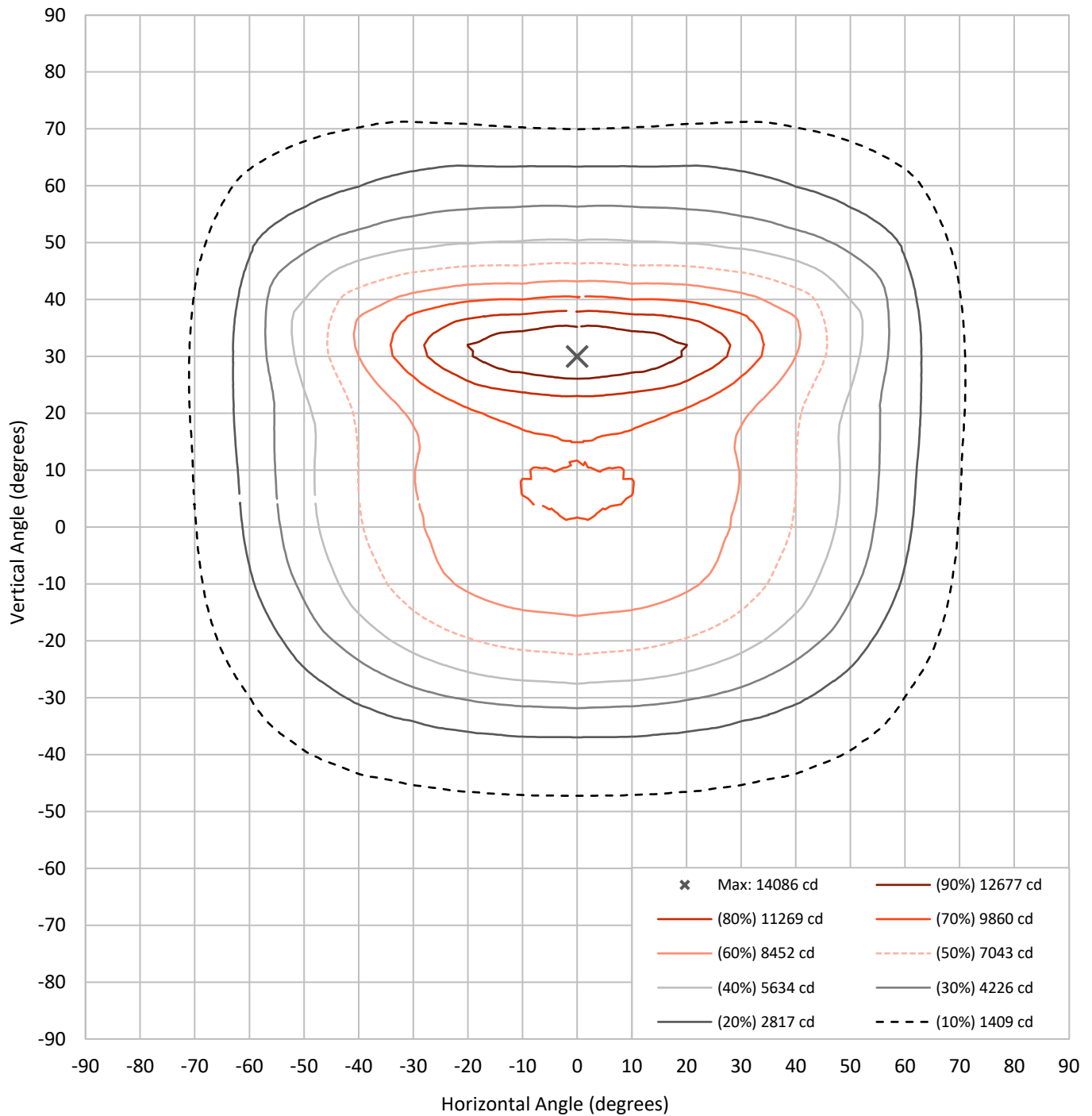
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23513.1 lumens	Max Intensity:	14086 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	94.2 lumens/watt		
Luminous Opening:	Rectangular (W 2' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.8°H x 68.8°V	Field Angle (10%):	142°H x 117.1°V
Beam Lumens:	13673.1 lumens	Field Lumens:	22034.8 lumens
Beam Efficiency:	58.2%	Field Efficiency:	93.7%
Input Watts (W):	249.7		
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		



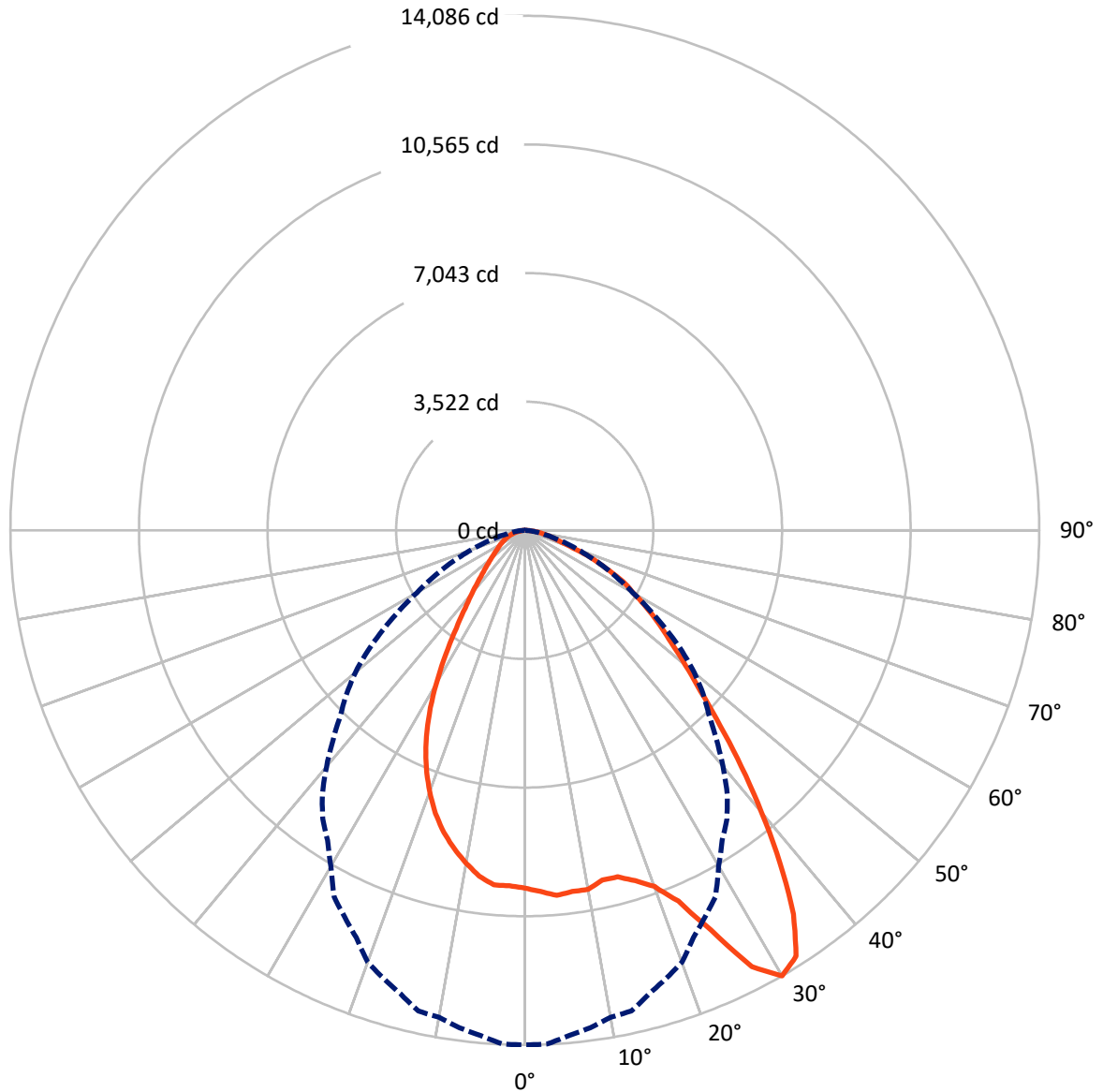
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Iso-Candela Plot



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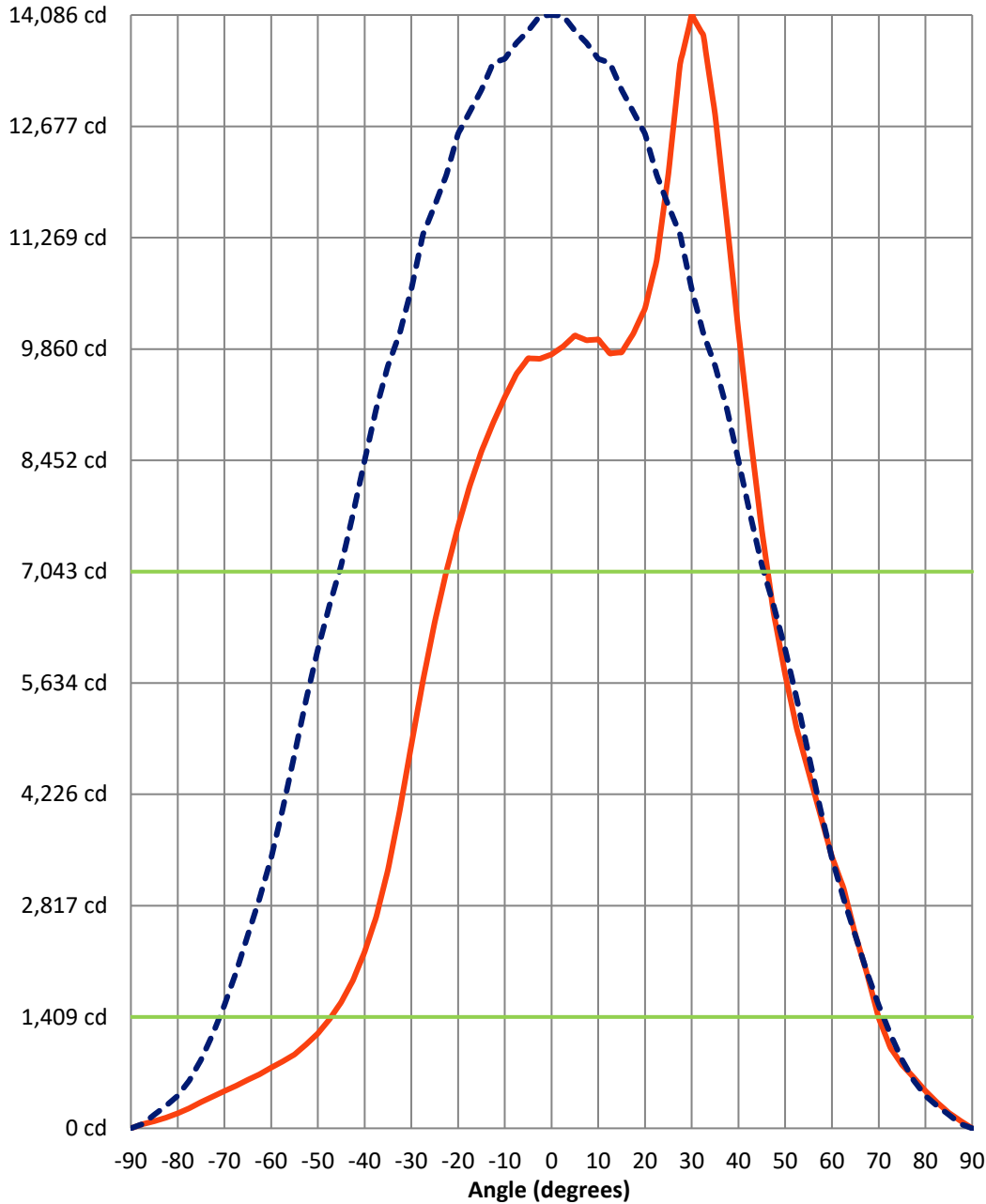
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 90.8°
 V Angle: 68.8°
 Lumens: 13673.1
 Efficiency: 58.2%

Field:
 H Angle: 142°
 V Angle: 117.1°
 Lumens: 22034.8
 Efficiency: 93.7%

Spill:
 Lumens: 1478.3
 Efficiency: 6.3%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 30-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°	94.7	97.1	99.6	99.6	97.1	97.1	97.1	94.7	97.1	97.1	97.1
85°	196.8	201.8	206.7	204.3	201.8	196.8	191.8	194.3	196.8	199.3	199.3
82.5°	326.3	333.8	338.8	336.3	331.3	326.3	321.3	323.8	328.8	331.3	331.3
80°	473.3	475.8	478.3	483.2	475.8	475.8	473.3	483.2	488.2	493.2	498.2
77.5°	642.7	645.1	645.1	647.6	650.1	652.6	652.6	670.1	682.5	690.0	697.5
75°	802.1	809.5	817.0	824.5	834.4	839.4	846.9	871.8	891.7	906.7	921.6
72.5°	1021.3	1031.2	1043.7	1061.1	1078.6	1091.0	1108.4	1138.3	1160.8	1175.7	1193.1
70°	1397.4	1407.4	1419.8	1432.3	1449.7	1462.2	1479.6	1517.0	1539.4	1549.3	1559.3
67.5°	1955.4	1980.3	2002.7	1977.8	1965.3	1947.9	1952.9	1987.7	2010.2	2025.1	2022.6
65°	2451.0	2468.5	2468.5	2466.0	2456.0	2433.6	2446.1	2488.4	2513.3	2525.8	2488.4
62.5°	3033.9	3033.9	3021.5	3041.4	3043.9	3028.9	3021.5	3023.9	3026.4	3033.9	2971.6
60°	3437.4	3462.3	3469.8	3487.3	3492.2	3492.2	3504.7	3514.7	3514.7	3499.7	3427.5
57.5°	3970.5	4017.8	4027.8	4015.3	3990.4	3958.0	3953.1	3938.1	3908.2	3878.3	3843.5
55°	4508.5	4533.4	4530.9	4523.5	4498.6	4461.2	4466.2	4446.2	4398.9	4361.6	4314.2
52.5°	5049.0	5108.8	5118.8	5103.8	5069.0	5029.1	5031.6	5009.2	4961.9	4922.0	4857.2
50°	5739.0	5788.8	5783.9	5759.0	5709.1	5679.2	5681.7	5639.4	5584.6	5572.1	5487.4
47.5°	6528.6	6585.9	6576.0	6541.1	6473.8	6461.4	6473.8	6419.0	6386.7	6359.3	6259.6
45°	7564.8	7632.1	7594.7	7527.5	7420.4	7432.8	7450.3	7440.3	7370.6	7298.3	7171.3
42.5°	8780.4	8822.8	8777.9	8710.7	8576.2	8601.1	8591.1	8531.3	8489.0	8369.4	8207.5
40°	10080.7	10172.8	10103.1	9998.5	9859.0	9896.3	9868.9	9791.7	9692.1	9542.6	9338.4
37.5°	11483.0	11555.3	11475.6	11353.5	11229.0	11216.5	11161.7	11042.1	10900.2	10735.8	10409.5
35°	12825.6	13012.4	12865.5	12671.2	12519.2	12461.9	12409.6	12133.2	11971.2	11704.7	11258.8
32.5°	13824.5	13961.5	13779.6	13577.9	13393.5	13313.8	13129.5	12800.7	12713.5	12153.1	11744.6
30°	14086.0	14076.0	13886.7	13732.3	13533.0	13478.2	13139.5	12860.5	12581.5	12063.4	11674.8
27.5°	13463.3	13401.0	13219.2	13084.7	12887.9	12823.1	12489.3	12339.9	11909.0	11470.6	11141.8
25°	12075.9	12108.2	11971.2	11904.0	11774.5	11635.0	11503.0	11301.2	11032.2	10648.6	10347.2
22.5°	10982.4	11024.7	10967.4	10887.7	10788.1	10710.9	10611.2	10454.3	10195.2	9958.6	9674.6
20°	10374.6	10362.1	10312.3	10252.5	10157.9	10103.1	9993.5	9861.5	9662.2	9457.9	9151.5
17.5°	10055.7	9978.5	9931.2	9908.8	9859.0	9789.2	9659.7	9525.2	9370.7	9139.1	8914.9
15°	9819.1	9831.6	9794.2	9776.8	9736.9	9639.8	9507.7	9398.1	9188.9	9071.8	8867.6
12.5°	9804.2	9791.7	9794.2	9786.7	9736.9	9612.4	9545.1	9405.6	9271.1	9116.7	8882.5
10°	9981.0	9849.0	9859.0	9893.8	9814.1	9714.5	9642.3	9490.3	9363.3	9166.5	8934.8
7.5°	9971.1	9903.8	9923.7	9866.4	9891.3	9769.3	9669.7	9517.7	9358.3	9149.1	8939.8
5°	10030.8	9928.7	9911.3	9916.3	9854.0	9761.8	9627.3	9482.8	9333.4	9099.2	8885.0
2.5°	9893.8	9908.8	9829.1	9799.2	9791.7	9637.3	9512.7	9373.2	9218.8	9012.1	8820.3
0°	9791.7	9819.1	9736.9	9694.6	9692.1	9560.1	9480.3	9320.9	9211.3	9039.5	8807.8
-2.5°	9736.9	9769.3	9779.3	9702.0	9627.3	9525.2	9390.7	9218.8	9039.5	8840.2	8640.9
-5°	9741.9	9677.1	9649.7	9674.6	9609.9	9507.7	9358.3	9206.3	9029.5	8815.3	8566.2
-7.5°	9545.1	9480.3	9475.4	9462.9	9448.0	9350.8	9226.3	9061.9	8882.5	8683.3	8451.6
-10°	9251.2	9203.9	9191.4	9178.9	9139.1	9081.8	8964.7	8815.3	8653.4	8454.1	8207.5
-12.5°	8924.9	8902.5	8855.1	8822.8	8782.9	8715.6	8603.6	8466.6	8304.6	8127.8	7916.1
-15°	8563.7	8521.4	8474.0	8446.6	8389.3	8309.6	8197.5	8070.5	7893.6	7719.3	7520.0
-17.5°	8127.8	8075.5	8023.2	8015.7	7975.8	7853.8	7749.2	7594.7	7440.3	7273.4	7079.1
-20°	7614.7	7542.4	7507.6	7487.6	7432.8	7343.2	7231.1	7089.1	6939.6	6780.2	6556.0



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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°	7046.7	6984.5	6924.7	6887.3	6840.0	6770.3	6663.1	6538.6	6391.6	6212.3	6005.5
-25°	6401.6	6314.4	6277.1	6234.7	6209.8	6145.0	6040.4	5925.8	5773.9	5599.5	5402.8
-27.5°	5664.3	5594.6	5574.6	5514.8	5485.0	5417.7	5330.5	5223.4	5083.9	4919.5	4757.6
-30°	4849.8	4807.4	4775.0	4715.3	4692.8	4620.6	4563.3	4473.6	4346.6	4229.5	4100.0
-32.5°	4012.8	3970.5	3960.5	3933.1	3918.2	3870.9	3806.1	3741.3	3639.2	3552.0	3447.4
-35°	3270.5	3240.7	3243.1	3240.7	3225.7	3190.8	3111.1	3093.7	3019.0	2939.3	2872.0
-37.5°	2677.7	2680.2	2677.7	2675.2	2655.3	2640.3	2583.1	2560.6	2515.8	2438.6	2398.7
-40°	2231.8	2236.8	2234.3	2229.4	2206.9	2199.5	2162.1	2132.2	2114.8	2060.0	2017.6
-42.5°	1870.7	1878.1	1875.6	1873.2	1858.2	1855.7	1835.8	1800.9	1791.0	1758.6	1713.7
-45°	1596.7	1594.2	1589.2	1594.2	1586.7	1579.2	1566.8	1544.4	1531.9	1517.0	1479.6
-47.5°	1380.0	1382.4	1377.5	1377.5	1367.5	1360.0	1355.0	1340.1	1330.1	1317.7	1295.3
-50°	1200.6	1210.6	1208.1	1205.6	1198.1	1193.1	1193.1	1178.2	1163.2	1158.3	1143.3
-52.5°	1061.1	1068.6	1071.1	1076.1	1078.6	1081.0	1073.6	1058.6	1033.7	1031.2	1023.8
-55°	934.1	956.5	971.4	981.4	991.4	998.8	983.9	964.0	939.1	929.1	926.6
-57.5°	846.9	869.3	886.8	901.7	914.2	926.6	911.7	891.7	869.3	856.9	854.4
-60°	767.2	787.1	804.6	824.5	841.9	861.8	854.4	839.4	827.0	817.0	807.1
-62.5°	682.5	702.4	722.4	747.3	769.7	789.6	792.1	789.6	787.1	789.6	772.2
-65°	612.8	622.7	635.2	662.6	687.5	709.9	722.4	729.8	742.3	754.7	737.3
-67.5°	538.0	550.5	565.4	585.4	605.3	620.2	637.7	657.6	677.5	697.5	685.0
-70°	470.8	480.7	493.2	503.2	515.6	525.6	540.5	562.9	585.4	605.3	600.3
-72.5°	401.0	411.0	418.5	423.5	430.9	435.9	443.4	463.3	478.3	488.2	488.2
-75°	331.3	341.3	348.7	351.2	356.2	358.7	363.7	371.1	378.6	381.1	383.6
-77.5°	254.1	264.0	271.5	276.5	281.5	286.5	288.9	293.9	296.4	296.4	298.9
-80°	189.3	196.8	201.8	209.2	211.7	216.7	221.7	224.2	226.7	226.7	229.2
-82.5°	134.5	139.5	144.5	149.5	154.4	156.9	161.9	164.4	166.9	169.4	171.9
-85°	89.7	94.7	99.6	104.6	107.1	109.6	112.1	114.6	117.1	119.6	122.1
-87.5°	52.3	54.8	57.3	62.3	64.8	69.7	72.2	69.7	72.2	72.2	72.2
-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°	97.1	97.1	97.1	97.1	94.7	89.7	87.2	82.2	77.2	72.2	67.3
85°	201.8	204.3	204.3	204.3	199.3	196.8	189.3	181.8	171.9	156.9	144.5
82.5°	336.3	338.8	338.8	336.3	331.3	323.8	313.9	301.4	281.5	261.5	244.1
80°	505.7	508.1	508.1	505.7	493.2	480.7	468.3	453.3	428.4	401.0	371.1
77.5°	707.4	712.4	712.4	704.9	687.5	672.5	652.6	627.7	590.3	550.5	510.6
75°	941.6	954.0	956.5	949.0	926.6	899.2	866.8	824.5	767.2	717.4	670.1
72.5°	1213.1	1225.5	1235.5	1225.5	1193.1	1155.8	1108.4	1058.6	1001.3	934.1	854.4
70°	1569.3	1581.7	1589.2	1556.8	1499.5	1437.2	1380.0	1322.7	1255.4	1173.2	1086.0
67.5°	2017.6	2005.2	1990.2	1925.5	1853.2	1778.5	1698.8	1614.1	1526.9	1439.7	1337.6
65°	2448.6	2413.7	2381.3	2304.1	2211.9	2114.8	2022.6	1928.0	1823.3	1713.7	1616.6
62.5°	2901.9	2827.2	2747.5	2652.8	2558.1	2451.0	2358.9	2246.8	2129.7	1995.2	1870.7
60°	3347.8	3258.1	3178.4	3061.3	2936.8	2792.3	2692.7	2583.1	2446.1	2301.6	2154.6
57.5°	3778.7	3681.5	3594.4	3492.2	3357.7	3200.8	3091.2	2949.2	2804.7	2622.9	2473.5
55°	4237.0	4139.9	4070.1	3955.5	3808.6	3664.1	3544.5	3395.1	3193.3	2999.0	2814.7
52.5°	4762.6	4685.4	4610.6	4493.6	4316.7	4169.8	4037.7	3870.9	3659.1	3420.0	3198.3
50°	5350.4	5310.6	5230.9	5093.9	4892.1	4762.6	4588.2	4366.5	4139.9	3888.3	3611.8
47.5°	6130.1	6065.3	5953.2	5803.8	5634.4	5440.1	5206.0	4946.9	4625.6	4346.6	4052.7
45°	7061.7	6942.1	6797.7	6595.9	6386.7	6167.5	5910.9	5582.1	5151.2	4787.5	4478.6
42.5°	8070.5	7908.6	7711.8	7447.8	7176.3	6907.3	6630.8	6182.4	5644.4	5225.9	4877.2
40°	9124.1	8917.4	8670.8	8287.2	7985.8	7639.6	7323.2	6653.2	6080.3	5626.9	5255.8
37.5°	10155.4	9893.8	9480.3	9014.6	8663.3	8379.4	7684.4	6967.0	6453.9	5955.7	5579.6
35°	10945.0	10723.3	9993.5	9510.2	9208.8	8760.5	7891.2	7156.3	6613.3	6199.8	5614.5
32.5°	11413.3	10840.4	10200.2	9712.0	9462.9	8728.1	7906.1	7211.1	6688.1	6224.7	5524.8
30°	11308.7	10616.2	10055.7	9647.2	9106.7	8446.6	7766.6	7126.5	6618.3	6057.9	5425.2
27.5°	10678.5	10142.9	9642.3	9216.3	8685.8	8092.9	7465.2	6902.3	6429.0	5886.0	5288.2
25°	9966.1	9480.3	9109.2	8738.1	8234.9	7669.5	7116.5	6710.5	6234.7	5699.2	5108.8
22.5°	9311.0	8962.2	8670.8	8282.2	7791.5	7298.3	6954.6	6533.6	6045.4	5502.4	4924.5
20°	8892.5	8655.9	8322.1	7893.6	7507.6	7198.7	6817.6	6371.7	5868.5	5300.6	4767.6
17.5°	8690.7	8416.7	8045.6	7766.6	7470.2	7131.4	6705.5	6232.2	5696.7	5208.5	4785.0
15°	8586.1	8297.2	8053.1	7779.1	7445.3	7089.1	6615.8	6125.1	5696.7	5245.8	4797.5
12.5°	8608.5	8359.4	8092.9	7794.0	7435.3	7054.2	6625.8	6169.9	5726.6	5273.2	4800.0
10°	8678.3	8416.7	8132.8	7801.5	7440.3	7064.2	6653.2	6197.3	5741.5	5285.7	4795.0
7.5°	8703.2	8419.2	8115.3	7781.6	7427.9	7059.2	6658.2	6204.8	5744.0	5283.2	4780.0
5°	8626.0	8369.4	8075.5	7739.2	7393.0	7034.3	6638.2	6194.9	5724.1	5258.3	4742.7
2.5°	8521.4	8314.6	8033.1	7709.3	7358.1	6999.4	6605.9	6150.0	5679.2	5213.4	4695.3
0°	8503.9	8247.4	7963.4	7674.4	7300.8	6922.2	6531.1	6065.3	5597.0	5128.8	4613.1
-2.5°	8389.3	8117.8	7833.9	7520.0	7191.2	6810.1	6399.1	5943.3	5480.0	5019.2	4523.5
-5°	8302.2	8000.8	7699.4	7360.6	7029.3	6648.2	6222.3	5778.9	5325.5	4877.2	4398.9
-7.5°	8185.1	7876.2	7559.9	7206.2	6847.5	6458.9	6037.9	5594.6	5148.7	4702.8	4244.5
-10°	7948.4	7676.9	7380.5	7014.4	6635.7	6247.2	5828.7	5392.8	4946.9	4496.1	4035.3
-12.5°	7662.0	7375.5	7051.7	6715.5	6376.7	6015.5	5597.0	5168.6	4720.2	4266.9	3808.6
-15°	7290.9	7009.4	6678.1	6349.3	6023.0	5676.8	5308.1	4922.0	4466.2	4020.3	3562.0
-17.5°	6827.5	6563.5	6267.1	5953.2	5629.4	5280.7	4922.0	4595.7	4169.8	3751.3	3297.9
-20°	6329.4	6082.8	5816.2	5519.8	5196.0	4854.8	4516.0	4174.7	3806.1	3437.4	3016.5



REPORT NUMBER: P722180
 CATALOG NUMBER: IFLD-M-SA4D-827-U-76

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
-22.5°	5811.3	5562.2	5293.2	5016.7	4717.8	4401.4	4087.6	3761.3	3437.4	3103.7	2747.5
-25°	5213.4	4994.2	4747.6	4478.6	4212.1	3935.6	3636.7	3340.3	3063.8	2774.9	2483.4
-27.5°	4588.2	4386.5	4162.3	3928.1	3699.0	3467.3	3208.3	2934.3	2705.1	2466.0	2224.4
-30°	3930.6	3768.7	3586.9	3382.6	3205.8	3019.0	2802.3	2575.6	2366.4	2184.5	1990.2
-32.5°	3307.9	3170.9	3041.4	2906.9	2732.5	2588.0	2438.6	2271.7	2087.4	1915.5	1776.0
-35°	2772.4	2625.4	2570.6	2471.0	2346.4	2219.4	2109.8	1990.2	1850.7	1698.8	1584.2
-37.5°	2321.5	2234.3	2157.1	2102.3	2020.1	1918.0	1830.8	1743.6	1636.5	1521.9	1407.4
-40°	1970.3	1910.5	1825.8	1798.4	1746.1	1676.4	1586.7	1519.4	1447.2	1360.0	1262.9
-42.5°	1688.8	1644.0	1589.2	1541.9	1519.4	1469.6	1399.9	1335.1	1277.8	1218.0	1143.3
-45°	1457.2	1427.3	1392.4	1350.1	1332.6	1292.8	1243.0	1170.7	1138.3	1088.5	1033.7
-47.5°	1270.4	1255.4	1230.5	1203.1	1178.2	1148.3	1103.5	1058.6	1013.8	981.4	939.1
-50°	1123.4	1113.4	1098.5	1076.1	1043.7	1023.8	993.9	954.0	911.7	884.3	854.4
-52.5°	1006.3	996.4	986.4	969.0	944.0	924.1	899.2	866.8	832.0	804.6	779.7
-55°	916.6	901.7	894.2	879.3	859.4	836.9	814.5	792.1	762.2	737.3	712.4
-57.5°	846.9	827.0	817.0	804.6	784.6	762.2	744.8	722.4	702.4	675.0	652.6
-60°	792.1	769.7	749.8	737.3	719.9	697.5	680.0	662.6	642.7	620.2	592.8
-62.5°	747.3	719.9	692.5	677.5	660.1	640.2	622.7	605.3	585.4	562.9	538.0
-65°	704.9	672.5	637.7	622.7	605.3	585.4	562.9	550.5	533.1	513.1	488.2
-67.5°	652.6	617.7	587.9	570.4	553.0	535.5	515.6	503.2	485.7	460.8	435.9
-70°	575.4	553.0	533.1	518.1	503.2	488.2	468.3	448.4	428.4	406.0	383.6
-72.5°	478.3	470.8	468.3	460.8	443.4	425.9	406.0	386.1	368.7	351.2	333.8
-75°	386.1	391.1	396.1	393.6	376.1	358.7	341.3	323.8	311.4	296.4	281.5
-77.5°	306.4	311.4	316.3	316.3	303.9	293.9	281.5	269.0	259.1	246.6	231.7
-80°	236.6	244.1	251.6	256.6	246.6	239.1	229.2	219.2	209.2	199.3	189.3
-82.5°	179.3	186.8	194.3	199.3	191.8	186.8	179.3	171.9	164.4	154.4	147.0
-85°	129.5	134.5	139.5	142.0	137.0	132.0	127.0	122.1	117.1	109.6	104.6
-87.5°	74.7	77.2	79.7	82.2	77.2	72.2	69.7	64.8	62.3	57.3	54.8
-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-M-SA4D-827-U-76

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°	62.3	57.3	52.3	49.8	44.8	37.4	32.4	27.4	22.4	17.4	14.9
85°	132.0	119.6	104.6	97.1	87.2	77.2	67.3	57.3	47.3	37.4	27.4
82.5°	226.7	211.7	196.8	179.3	156.9	129.5	102.1	84.7	69.7	54.8	42.3
80°	341.3	313.9	288.9	266.5	241.6	206.7	169.4	134.5	94.7	72.2	54.8
77.5°	473.3	440.9	406.0	368.7	328.8	281.5	239.1	194.3	147.0	99.6	69.7
75°	622.7	580.4	533.1	480.7	428.4	366.2	306.4	254.1	199.3	139.5	84.7
72.5°	789.6	737.3	680.0	610.3	528.1	455.8	383.6	313.9	249.1	176.9	114.6
70°	1003.8	921.6	836.9	762.2	657.6	543.0	458.3	378.6	296.4	216.7	144.5
67.5°	1233.0	1133.4	1031.2	921.6	789.6	655.1	533.1	443.4	346.2	254.1	171.9
65°	1482.1	1357.5	1228.0	1106.0	924.1	764.7	627.7	505.7	393.6	288.9	199.3
62.5°	1738.6	1591.7	1442.2	1282.8	1073.6	876.8	717.4	575.4	438.4	321.3	224.2
60°	2012.6	1840.8	1658.9	1459.7	1215.6	998.8	802.1	647.6	485.7	353.7	251.6
57.5°	2301.6	2114.8	1900.6	1631.5	1362.5	1115.9	899.2	712.4	528.1	383.6	271.5
55°	2615.4	2401.2	2167.1	1810.9	1507.0	1233.0	996.4	777.2	572.9	408.5	291.4
52.5°	2954.2	2705.1	2408.7	2000.2	1658.9	1352.6	1086.0	834.4	615.3	435.9	308.9
50°	3332.8	3019.0	2620.4	2174.6	1791.0	1464.6	1175.7	896.7	650.1	465.8	323.8
47.5°	3726.4	3387.6	2809.7	2336.5	1925.5	1574.2	1267.9	951.5	685.0	490.7	338.8
45°	4137.4	3644.2	3006.5	2480.9	2042.5	1673.9	1337.6	1001.3	727.3	513.1	351.2
42.5°	4543.4	3838.5	3178.4	2625.4	2152.1	1763.6	1394.9	1048.7	762.2	535.5	363.7
40°	4735.2	3985.4	3315.4	2725.0	2244.3	1843.3	1444.7	1091.0	792.1	550.5	376.1
37.5°	4814.9	4075.1	3405.1	2819.7	2316.5	1885.6	1487.1	1128.4	817.0	565.4	386.1
35°	4832.3	4107.5	3449.9	2884.5	2376.3	1925.5	1519.4	1155.8	836.9	580.4	396.1
32.5°	4800.0	4097.5	3462.3	2906.9	2413.7	1955.4	1541.9	1175.7	851.9	595.3	406.0
30°	4727.7	4045.2	3417.5	2904.4	2441.1	1972.8	1556.8	1190.6	866.8	605.3	411.0
27.5°	4610.6	3953.1	3360.2	2906.9	2456.0	1980.3	1564.3	1198.1	876.8	612.8	421.0
25°	4466.2	3828.5	3362.7	2901.9	2458.5	1982.8	1564.3	1198.1	879.3	615.3	428.4
22.5°	4299.3	3828.5	3362.7	2894.4	2443.6	1977.8	1556.8	1193.1	879.3	620.2	435.9
20°	4309.2	3831.0	3355.2	2879.5	2421.2	1962.8	1539.4	1180.7	871.8	627.7	440.9
17.5°	4316.7	3826.0	3340.3	2859.5	2391.3	1937.9	1517.0	1163.2	871.8	635.2	443.4
15°	4316.7	3811.1	3317.9	2829.7	2353.9	1903.0	1484.6	1148.3	874.3	637.7	448.4
12.5°	4309.2	3783.7	3283.0	2789.8	2309.1	1860.7	1464.6	1143.3	874.3	640.2	448.4
10°	4294.3	3746.3	3238.2	2740.0	2266.7	1845.8	1454.7	1133.4	869.3	640.2	448.4
7.5°	4266.9	3701.5	3200.8	2710.1	2241.8	1828.3	1439.7	1118.4	861.8	635.2	453.3
5°	4224.6	3676.6	3170.9	2675.2	2206.9	1815.9	1429.8	1106.0	856.9	635.2	448.4
2.5°	4169.8	3646.7	3136.0	2630.4	2167.1	1773.5	1397.4	1078.6	839.4	625.2	443.4
0°	4080.1	3586.9	3076.3	2568.1	2112.3	1731.2	1365.0	1051.2	822.0	615.3	438.4
-2.5°	3997.9	3507.2	2999.0	2503.3	2060.0	1693.8	1340.1	1036.2	814.5	612.8	435.9
-5°	3883.3	3397.6	2896.9	2418.7	1990.2	1656.4	1315.2	1018.8	807.1	607.8	435.9
-7.5°	3756.3	3283.0	2789.8	2331.5	1920.5	1591.7	1267.9	991.4	789.6	597.8	433.4
-10°	3559.5	3111.1	2655.3	2231.8	1845.8	1534.4	1228.0	966.5	774.7	587.9	423.5
-12.5°	3350.3	2921.8	2500.9	2109.8	1761.1	1474.6	1183.2	939.1	757.2	577.9	418.5
-15°	3128.6	2727.5	2339.0	1982.8	1668.9	1402.4	1135.8	909.2	739.8	565.4	411.0
-17.5°	2896.9	2523.3	2172.1	1853.2	1576.7	1327.6	1086.0	881.8	719.9	553.0	403.5
-20°	2652.8	2314.0	2002.7	1721.2	1479.6	1252.9	1033.7	849.4	697.5	538.0	393.6



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
-22.5°	2411.2	2107.3	1828.3	1591.7	1380.0	1175.7	981.4	817.0	672.5	520.6	386.1
-25°	2197.0	1913.0	1673.9	1467.1	1282.8	1101.0	926.6	784.6	645.1	503.2	376.1
-27.5°	1987.7	1746.1	1521.9	1350.1	1188.2	1028.7	874.3	749.8	617.7	483.2	366.2
-30°	1793.4	1586.7	1402.4	1235.5	1098.5	964.0	829.5	714.9	587.9	463.3	353.7
-32.5°	1616.6	1449.7	1295.3	1135.8	1013.8	899.2	787.1	680.0	558.0	443.4	341.3
-35°	1452.2	1322.7	1188.2	1053.6	929.1	839.4	742.3	642.7	530.6	421.0	328.8
-37.5°	1305.2	1200.6	1093.5	978.9	871.8	782.1	699.9	605.3	503.2	401.0	316.3
-40°	1178.2	1093.5	998.8	906.7	817.0	732.3	657.6	567.9	475.8	386.1	303.9
-42.5°	1061.1	996.4	919.1	841.9	762.2	687.5	615.3	528.1	448.4	368.7	291.4
-45°	971.4	906.7	844.4	774.7	707.4	642.7	570.4	493.2	423.5	348.7	279.0
-47.5°	886.8	829.5	772.2	714.9	660.1	600.3	528.1	463.3	396.1	331.3	269.0
-50°	812.0	757.2	707.4	657.6	610.3	553.0	485.7	433.4	373.6	313.9	256.6
-52.5°	742.3	695.0	645.1	605.3	565.4	508.1	453.3	403.5	351.2	293.9	244.1
-55°	680.0	635.2	590.3	553.0	515.6	465.8	421.0	378.6	328.8	279.0	231.7
-57.5°	620.2	582.9	540.5	505.7	468.3	428.4	391.1	351.2	306.4	264.0	219.2
-60°	565.4	530.6	493.2	458.3	425.9	393.6	358.7	326.3	286.5	246.6	206.7
-62.5°	510.6	480.7	448.4	413.5	388.6	358.7	331.3	298.9	266.5	231.7	184.3
-65°	460.8	433.4	403.5	373.6	351.2	328.8	303.9	274.0	246.6	214.2	164.4
-67.5°	411.0	386.1	361.2	336.3	316.3	298.9	274.0	251.6	229.2	194.3	144.5
-70°	363.7	343.7	321.3	301.4	286.5	266.5	249.1	229.2	209.2	169.4	122.1
-72.5°	318.8	298.9	281.5	266.5	254.1	236.6	221.7	206.7	179.3	142.0	102.1
-75°	266.5	254.1	244.1	231.7	219.2	206.7	194.3	176.9	149.5	114.6	79.7
-77.5°	219.2	211.7	204.3	194.3	184.3	174.4	159.4	142.0	119.6	89.7	64.8
-80°	179.3	171.9	166.9	156.9	149.5	139.5	124.5	109.6	87.2	69.7	52.3
-82.5°	137.0	132.0	127.0	122.1	114.6	104.6	89.7	77.2	64.8	52.3	39.9
-85°	97.1	94.7	89.7	84.7	77.2	69.7	59.8	52.3	44.8	34.9	27.4
-87.5°	49.8	47.3	44.8	42.3	39.9	34.9	29.9	24.9	22.4	17.4	12.5
-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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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0
87.5°	10.0	7.5	2.5	0.0
85°	19.9	12.5	5.0	0.0
82.5°	29.9	19.9	7.5	0.0
80°	39.9	24.9	12.5	0.0
77.5°	49.8	29.9	14.9	0.0
75°	59.8	37.4	17.4	0.0
72.5°	67.3	42.3	19.9	0.0
70°	79.7	49.8	22.4	0.0
67.5°	99.6	54.8	24.9	0.0
65°	117.1	59.8	27.4	0.0
62.5°	137.0	64.8	29.9	0.0
60°	154.4	69.7	32.4	0.0
57.5°	171.9	82.2	34.9	0.0
55°	186.8	92.2	37.4	0.0
52.5°	204.3	102.1	39.9	0.0
50°	219.2	112.1	42.3	0.0
47.5°	231.7	122.1	42.3	0.0
45°	241.6	129.5	44.8	0.0
42.5°	249.1	137.0	47.3	0.0
40°	256.6	144.5	49.8	0.0
37.5°	264.0	151.9	49.8	0.0
35°	271.5	159.4	52.3	0.0
32.5°	279.0	166.9	52.3	0.0
30°	284.0	171.9	54.8	0.0
27.5°	291.4	176.9	54.8	0.0
25°	293.9	181.8	57.3	0.0
22.5°	298.9	184.3	57.3	0.0
20°	303.9	189.3	57.3	0.0
17.5°	306.4	191.8	59.8	0.0
15°	306.4	194.3	62.3	0.0
12.5°	308.9	196.8	62.3	0.0
10°	308.9	201.8	59.8	0.0
7.5°	313.9	199.3	59.8	0.0
5°	311.4	199.3	59.8	0.0
2.5°	308.9	196.8	59.8	0.0
0°	306.4	196.8	59.8	0.0
-2.5°	306.4	196.8	59.8	0.0
-5°	306.4	196.8	59.8	0.0
-7.5°	303.9	199.3	59.8	0.0
-10°	298.9	199.3	59.8	0.0
-12.5°	296.4	191.8	59.8	0.0
-15°	293.9	189.3	59.8	0.0
-17.5°	288.9	186.8	57.3	0.0
-20°	284.0	184.3	57.3	0.0



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 CATALOG NUMBER: IFLD-M-SA4D-827-U-76

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
-22.5°	279.0	179.3	57.3	0.0
-25°	274.0	174.4	54.8	0.0
-27.5°	269.0	169.4	54.8	0.0
-30°	261.5	164.4	52.3	0.0
-32.5°	254.1	159.4	52.3	0.0
-35°	249.1	151.9	49.8	0.0
-37.5°	241.6	144.5	49.8	0.0
-40°	234.1	137.0	47.3	0.0
-42.5°	226.7	129.5	44.8	0.0
-45°	216.7	122.1	44.8	0.0
-47.5°	209.2	114.6	42.3	0.0
-50°	196.8	104.6	39.9	0.0
-52.5°	181.8	94.7	37.4	0.0
-55°	166.9	87.2	34.9	0.0
-57.5°	151.9	77.2	34.9	0.0
-60°	137.0	67.3	32.4	0.0
-62.5°	122.1	62.3	29.9	0.0
-65°	107.1	57.3	27.4	0.0
-67.5°	89.7	49.8	24.9	0.0
-70°	74.7	44.8	22.4	0.0
-72.5°	64.8	39.9	19.9	0.0
-75°	54.8	34.9	17.4	0.0
-77.5°	47.3	29.9	14.9	0.0
-80°	37.4	22.4	10.0	0.0
-82.5°	27.4	17.4	7.5	0.0
-85°	17.4	12.5	5.0	0.0
-87.5°	10.0	5.0	2.5	0.0
-90°	0.0	0.0	0.0	0.0

(END OF REPORT)