

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P559935

Luminaire Tested: **SDL-PA1-100-830-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-5WQ
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8471.7 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

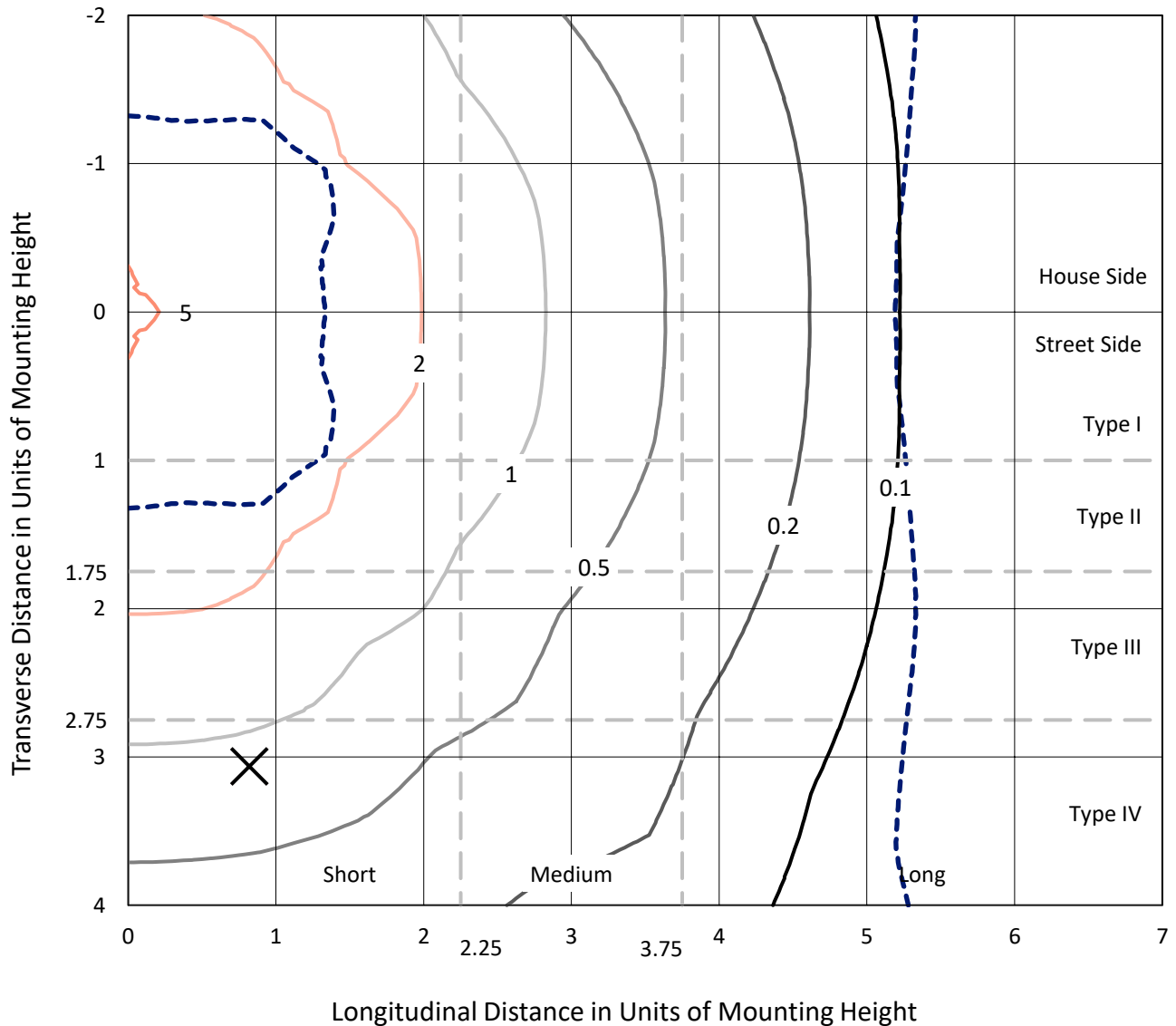
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

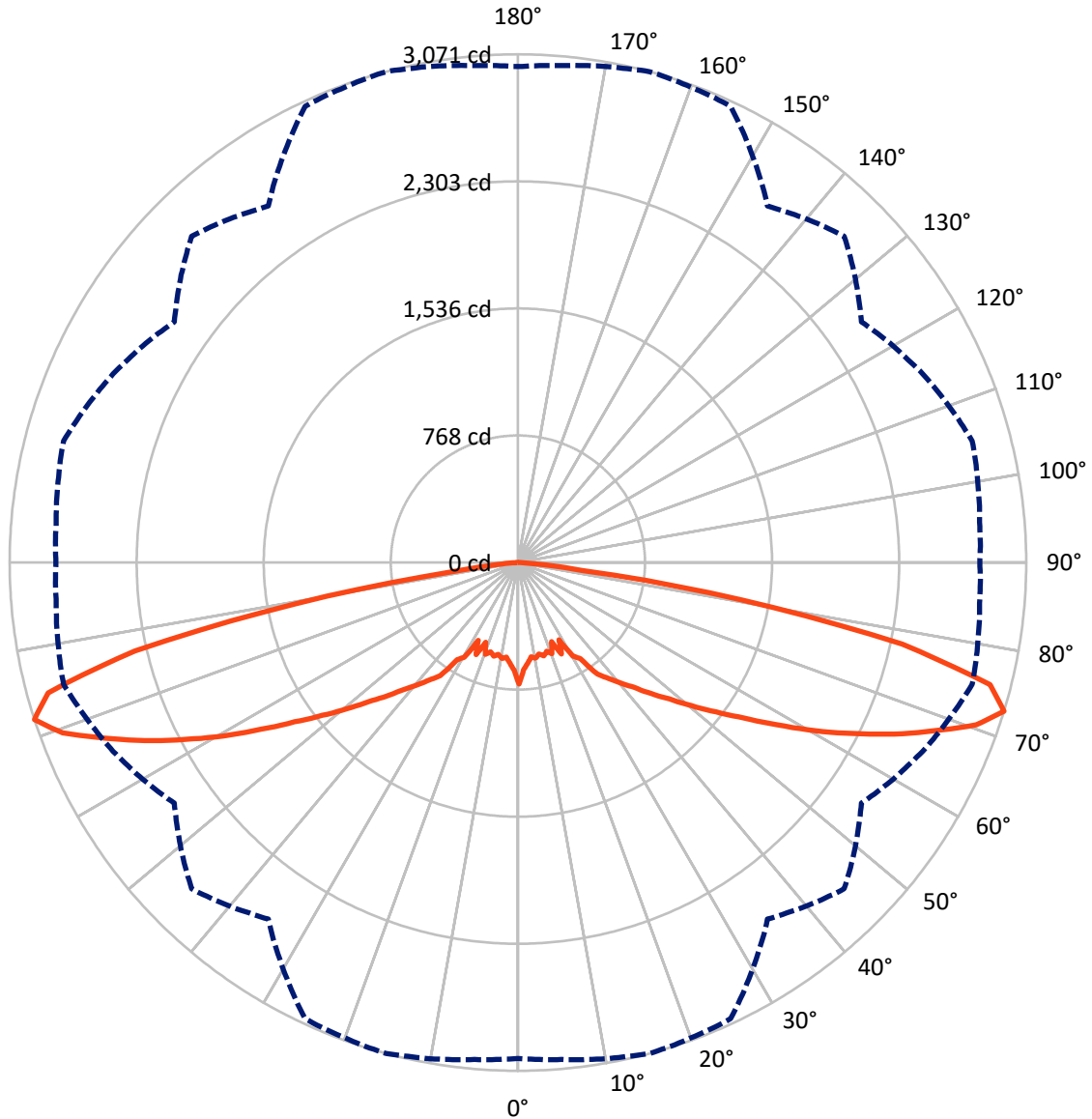
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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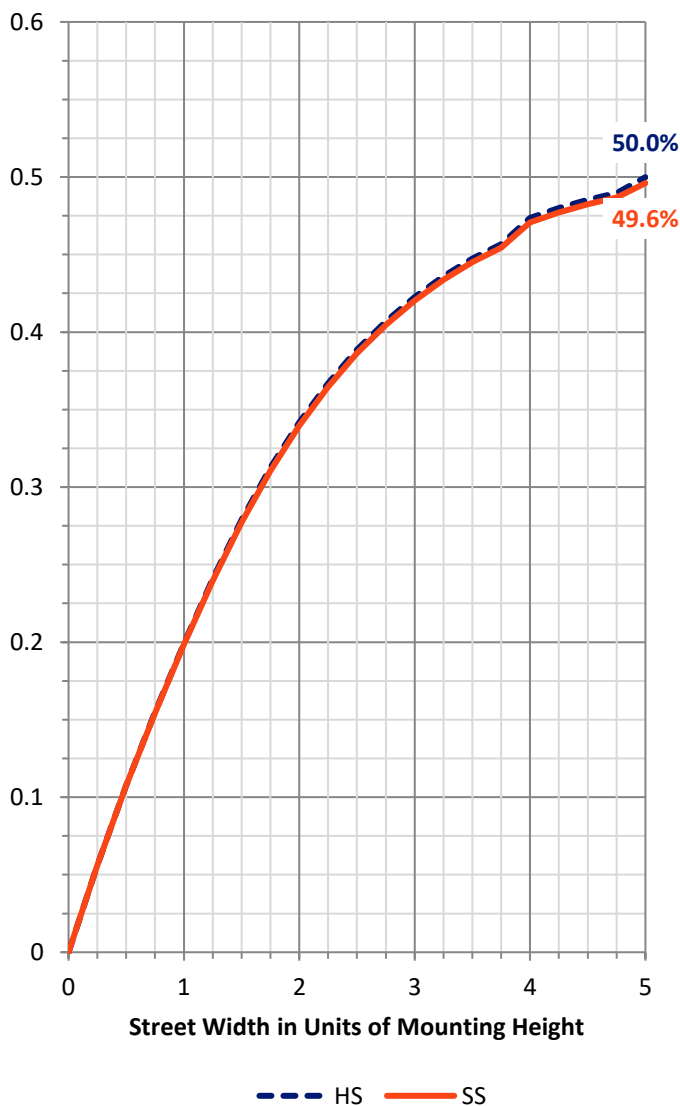
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4235.8	0.0	4235.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4235.8	0.0	4235.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8471.7	0.0	8471.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	0.7
10°-20°	133.7	1.6
20°-30°	238.6	2.8
30°-40°	456.4	5.4
40°-50°	777.4	9.2
50°-60°	1360.8	16.1
60°-70°	2296.2	27.1
70°-80°	2678.4	31.6
80°-90°	472.4	5.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8471.7	100.0
0°-180°	8471.7	100.0

Coefficient of Utilization



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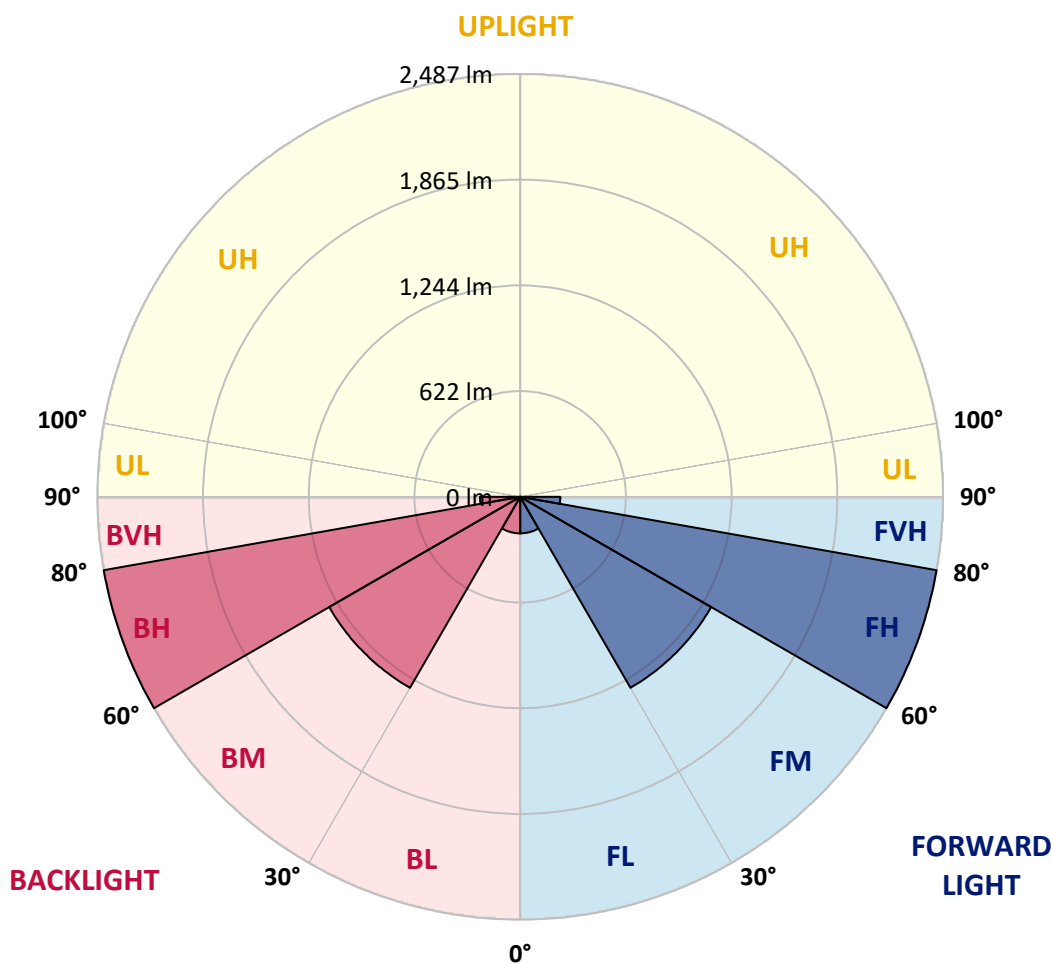
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.0	2.5			
FM (30°-60°)	1297.3	15.3			
FH (60°-80°)	2487.3	29.4			G2/5000
FVH (80°-90°)	236.2	2.8			G3/500
BL (0°-30°)	215.0	2.5	B1/500		
BM (30°-60°)	1297.3	15.3	B2/2500		
BH (60°-80°)	2487.3	29.4	B3/2500		G2/5000
BVH (80°-90°)	236.2	2.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	650.0	653.0	653.0	653.0	653.0	650.0	650.0	658.9	667.9	676.8	685.8
5°	614.2	614.2	614.2	614.2	614.2	611.2	611.2	611.2	611.2	611.2	611.2
7.5°	524.8	530.7	533.7	545.6	554.6	566.5	575.5	578.4	581.4	581.4	584.4
10°	590.4	590.4	590.4	590.4	590.4	587.4	587.4	581.4	578.4	572.5	566.5
12.5°	518.8	515.8	512.8	527.7	539.7	554.6	566.5	569.5	572.5	575.5	578.4
15°	596.3	596.3	596.3	593.3	590.4	587.4	584.4	563.5	542.7	518.8	497.9
17.5°	506.9	509.9	509.9	524.8	536.7	551.6	563.5	557.6	551.6	542.7	536.7
20°	608.3	608.3	608.3	602.3	599.3	593.3	587.4	551.6	515.8	477.1	441.3
22.5°	515.8	515.8	515.8	515.8	518.8	518.8	518.8	521.8	524.8	527.7	530.7
25°	629.1	632.1	632.1	626.1	623.2	617.2	611.2	581.4	548.6	518.8	486.0
27.5°	542.7	542.7	542.7	539.7	536.7	530.7	527.7	533.7	542.7	548.6	554.6
30°	664.9	664.9	664.9	661.9	661.9	658.9	656.0	626.1	593.3	563.5	530.7
32.5°	808.0	805.0	802.1	775.2	748.4	718.6	691.7	676.8	661.9	644.0	629.1
35°	858.7	858.7	855.7	849.8	843.8	834.9	828.9	799.1	769.3	739.4	709.6
37.5°	909.4	909.4	906.4	903.4	897.5	894.5	888.5	855.7	825.9	793.1	760.3
40°	972.0	975.0	975.0	972.0	966.0	963.1	957.1	921.3	888.5	852.7	817.0
42.5°	1049.5	1049.5	1046.5	1043.6	1040.6	1034.6	1031.6	998.8	963.1	930.3	894.5
45°	1142.0	1142.0	1139.0	1136.0	1136.0	1133.0	1130.0	1100.2	1067.4	1037.6	1004.8
47.5°	1255.3	1252.3	1249.3	1246.3	1240.4	1237.4	1231.4	1198.6	1168.8	1136.0	1103.2
50°	1374.5	1374.5	1374.5	1371.5	1368.6	1362.6	1359.6	1329.8	1300.0	1267.2	1237.4
52.5°	1502.7	1505.7	1505.7	1505.7	1502.7	1502.7	1499.8	1469.9	1440.1	1407.3	1377.5
55°	1654.8	1654.8	1654.8	1654.8	1657.8	1657.8	1657.8	1628.0	1598.1	1568.3	1538.5
57.5°	1827.7	1839.7	1848.6	1848.6	1848.6	1848.6	1848.6	1818.8	1789.0	1759.2	1729.3
60°	2027.5	2030.5	2033.5	2042.4	2048.4	2057.3	2063.3	2036.4	2009.6	1982.8	1955.9
62.5°	2224.3	2230.3	2233.2	2245.2	2254.1	2266.0	2275.0	2257.1	2236.2	2218.3	2197.5
65°	2427.0	2433.0	2436.0	2450.9	2468.8	2483.7	2498.6	2483.7	2471.8	2456.9	2441.9
67.5°	2641.7	2647.7	2650.7	2665.6	2683.5	2698.4	2713.3	2707.3	2701.3	2695.4	2689.4
70°	2871.3	2874.3	2874.3	2889.2	2907.1	2922.0	2936.9	2933.9	2930.9	2928.0	2925.0
72.5°	2996.5	3005.5	3014.4	3029.3	3044.2	3056.2	3071.1	3065.1	3056.2	3050.2	3041.3
75°	2835.5	2841.5	2847.4	2871.3	2898.1	2922.0	2945.8	2954.8	2966.7	2975.7	2984.6
77.5°	2221.3	2248.1	2272.0	2298.8	2322.7	2349.5	2373.4	2424.1	2471.8	2522.5	2570.2
80°	1100.2	1115.1	1130.0	1189.7	1249.3	1308.9	1368.6	1458.0	1550.4	1639.9	1729.3
82.5°	265.4	265.4	265.4	298.2	328.0	360.8	390.6	471.1	554.6	635.1	715.6
85°	53.7	56.7	59.6	74.5	89.4	101.4	116.3	128.2	140.1	152.1	164.0
87.5°	8.9	8.9	8.9	8.9	11.9	11.9	11.9	14.9	17.9	17.9	20.9
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°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	688.8	694.7	697.7	700.7	703.7	706.6	709.6	712.6	715.6	715.6	718.6
5°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	614.2	617.2	620.2
7.5°	587.4	590.4	593.3	596.3	596.3	596.3	593.3	593.3	590.4	590.4	587.4
10°	551.6	536.7	518.8	503.9	503.9	506.9	506.9	506.9	497.9	492.0	483.0
12.5°	566.5	554.6	539.7	527.7	506.9	489.0	468.1	447.2	441.3	435.3	429.4
15°	480.0	465.1	447.2	429.4	420.4	408.5	399.5	387.6	384.6	381.6	375.7
17.5°	521.8	506.9	489.0	474.1	444.3	414.4	384.6	354.8	369.7	387.6	402.5
20°	444.3	444.3	447.2	447.2	447.2	444.3	444.3	441.3	432.3	420.4	411.5
22.5°	506.9	480.0	456.2	429.4	435.3	441.3	447.2	453.2	438.3	423.4	405.5
25°	494.9	503.9	509.9	518.8	494.9	471.1	444.3	420.4	432.3	444.3	456.2
27.5°	536.7	518.8	497.9	480.0	489.0	497.9	503.9	512.8	497.9	483.0	468.1
30°	533.7	536.7	536.7	539.7	527.7	512.8	500.9	486.0	492.0	500.9	506.9
32.5°	611.2	590.4	572.5	551.6	551.6	551.6	548.6	548.6	548.6	551.6	551.6
35°	682.8	658.9	632.1	605.3	599.3	596.3	590.4	584.4	590.4	596.3	602.3
37.5°	733.5	703.7	676.8	647.0	644.0	641.0	635.1	632.1	632.1	632.1	632.1
40°	790.1	763.3	736.5	709.6	703.7	697.7	688.8	682.8	679.8	676.8	670.9
42.5°	867.7	837.8	811.0	781.2	772.2	760.3	751.4	739.4	736.5	733.5	727.5
45°	969.0	930.3	894.5	855.7	843.8	834.9	822.9	811.0	808.0	802.1	799.1
47.5°	1061.5	1022.7	981.0	939.2	933.2	924.3	918.3	909.4	903.4	894.5	888.5
50°	1186.7	1133.0	1082.3	1028.7	1028.7	1025.7	1025.7	1022.7	1010.8	998.8	986.9
52.5°	1326.8	1273.2	1222.5	1168.8	1162.8	1159.9	1153.9	1147.9	1136.0	1124.1	1109.2
55°	1484.8	1431.2	1377.5	1323.8	1320.9	1320.9	1317.9	1314.9	1297.0	1279.1	1261.2
57.5°	1675.7	1625.0	1571.3	1517.6	1520.6	1520.6	1523.6	1523.6	1499.8	1475.9	1449.1
60°	1896.3	1836.7	1774.1	1714.4	1723.4	1735.3	1744.2	1753.2	1723.4	1693.6	1660.8
62.5°	2137.8	2075.2	2015.6	1953.0	1970.9	1988.7	2003.7	2021.5	1976.8	1932.1	1887.4
65°	2370.4	2298.8	2227.3	2155.7	2188.5	2224.3	2257.1	2289.9	2236.2	2182.5	2128.9
67.5°	2605.9	2525.4	2441.9	2358.5	2397.2	2436.0	2474.7	2513.5	2459.8	2403.2	2349.5
70°	2823.6	2722.2	2620.8	2519.5	2558.2	2597.0	2635.8	2674.5	2623.8	2573.1	2522.5
72.5°	2939.9	2835.5	2734.1	2629.8	2668.6	2710.3	2749.1	2787.8	2725.2	2662.6	2597.0
75°	2895.2	2802.7	2713.3	2620.8	2677.5	2734.1	2790.8	2847.4	2764.0	2677.5	2594.0
77.5°	2525.4	2483.7	2439.0	2394.2	2495.6	2597.0	2698.4	2799.7	2680.5	2558.2	2439.0
80°	1759.2	1792.0	1821.8	1851.6	1997.7	2143.8	2286.9	2433.0	2292.9	2155.7	2015.6
82.5°	808.0	900.4	989.9	1082.3	1228.4	1374.5	1517.6	1663.7	1508.7	1353.7	1195.6
85°	193.8	223.6	250.5	280.3	354.8	429.4	503.9	578.4	515.8	453.2	390.6
87.5°	23.9	26.8	26.8	29.8	26.8	26.8	23.9	20.9	23.9	23.9	26.8
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	718.6	721.6	721.6	724.5	724.5	724.5	724.5	721.6	721.6	721.6	724.5
5°	623.2	638.1	650.0	664.9	676.8	682.8	691.7	697.7	703.7	706.6	706.6
7.5°	584.4	578.4	569.5	563.5	554.6	566.5	581.4	593.3	605.3	608.3	611.2
10°	474.1	471.1	465.1	462.2	456.2	459.2	465.1	468.1	471.1	486.0	503.9
12.5°	423.4	426.4	429.4	432.3	435.3	426.4	417.4	405.5	396.6	411.5	426.4
15°	372.7	372.7	375.7	375.7	375.7	387.6	399.5	411.5	423.4	444.3	468.1
17.5°	417.4	411.5	405.5	396.6	390.6	393.6	393.6	396.6	396.6	408.5	417.4
20°	399.5	390.6	384.6	375.7	366.7	381.6	396.6	411.5	426.4	450.2	474.1
22.5°	390.6	408.5	423.4	441.3	456.2	447.2	438.3	426.4	417.4	417.4	417.4
25°	468.1	453.2	438.3	423.4	408.5	435.3	459.2	486.0	509.9	527.7	542.7
27.5°	453.2	465.1	477.1	486.0	497.9	512.8	527.7	542.7	557.6	584.4	608.3
30°	512.8	527.7	542.7	554.6	569.5	608.3	644.0	682.8	718.6	736.5	754.4
32.5°	551.6	581.4	608.3	638.1	664.9	685.8	706.6	727.5	748.4	766.3	787.1
35°	608.3	632.1	653.0	676.8	697.7	721.6	745.4	766.3	790.1	808.0	825.9
37.5°	632.1	658.9	685.8	709.6	736.5	766.3	793.1	822.9	849.8	864.7	876.6
40°	667.9	700.7	733.5	766.3	799.1	828.9	858.7	888.5	918.3	930.3	942.2
42.5°	724.5	760.3	796.1	828.9	864.7	897.5	927.3	960.1	989.9	1001.8	1013.8
45°	793.1	828.9	864.7	900.4	936.2	972.0	1007.8	1043.6	1079.3	1094.3	1109.2
47.5°	879.6	915.4	954.1	989.9	1025.7	1070.4	1112.1	1156.9	1198.6	1210.5	1222.5
50°	975.0	1010.8	1046.5	1082.3	1118.1	1174.8	1228.4	1285.1	1338.7	1344.7	1353.7
52.5°	1097.2	1133.0	1165.8	1201.6	1234.4	1297.0	1359.6	1419.3	1481.9	1484.8	1490.8
55°	1243.3	1276.1	1311.9	1344.7	1377.5	1446.1	1511.7	1580.3	1645.9	1645.9	1648.8
57.5°	1425.2	1461.0	1496.8	1529.6	1565.4	1630.9	1696.5	1759.2	1824.8	1821.8	1818.8
60°	1630.9	1663.7	1693.6	1726.4	1756.2	1818.8	1884.4	1947.0	2009.6	2003.7	1994.7
62.5°	1842.6	1878.4	1914.2	1947.0	1982.8	2033.5	2087.1	2137.8	2188.5	2176.6	2164.7
65°	2075.2	2111.0	2149.7	2185.5	2221.3	2260.1	2301.8	2340.6	2379.3	2367.4	2358.5
67.5°	2292.9	2334.6	2376.4	2415.1	2456.9	2486.7	2516.5	2543.3	2573.1	2558.2	2543.3
70°	2471.8	2507.5	2543.3	2579.1	2614.9	2644.7	2674.5	2704.3	2734.1	2719.2	2704.3
72.5°	2534.4	2576.1	2617.9	2656.6	2698.4	2734.1	2769.9	2805.7	2841.5	2832.5	2820.6
75°	2507.5	2537.4	2567.2	2597.0	2626.8	2653.6	2683.5	2710.3	2737.1	2722.2	2707.3
77.5°	2316.7	2313.7	2307.8	2304.8	2298.8	2298.8	2301.8	2301.8	2301.8	2283.9	2266.0
80°	1875.4	1821.8	1768.1	1714.4	1660.8	1598.1	1535.5	1472.9	1410.3	1350.7	1291.0
82.5°	1040.6	918.3	799.1	676.8	554.6	503.9	450.2	399.5	345.9	322.0	295.2
85°	328.0	286.2	244.5	202.8	161.0	152.1	143.1	131.2	122.2	113.3	104.4
87.5°	26.8	23.9	23.9	20.9	17.9	14.9	14.9	11.9	8.9	8.9	8.9
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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 CATALOG NUMBER: SDL-PA1-100-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	721.6	721.6	721.6
5°	709.6	709.6	709.6	709.6	709.6	709.6	709.6	706.6	706.6	703.7	697.7
7.5°	611.2	614.2	614.2	611.2	614.2	614.2	611.2	611.2	608.3	605.3	593.3
10°	518.8	533.7	533.7	533.7	533.7	533.7	518.8	503.9	486.0	471.1	468.1
12.5°	441.3	456.2	456.2	456.2	456.2	456.2	441.3	426.4	411.5	396.6	405.5
15°	489.0	509.9	509.9	509.9	509.9	509.9	489.0	468.1	444.3	423.4	411.5
17.5°	429.4	438.3	441.3	441.3	441.3	438.3	429.4	417.4	408.5	396.6	396.6
20°	494.9	518.8	521.8	524.8	521.8	518.8	494.9	474.1	450.2	426.4	411.5
22.5°	414.4	414.4	417.4	417.4	417.4	414.4	414.4	417.4	417.4	417.4	426.4
25°	560.5	575.5	575.5	572.5	575.5	575.5	560.5	542.7	527.7	509.9	486.0
27.5°	635.1	658.9	664.9	667.9	664.9	658.9	635.1	608.3	584.4	557.6	542.7
30°	772.2	790.1	790.1	790.1	790.1	790.1	772.2	754.4	736.5	718.6	682.8
32.5°	805.0	822.9	822.9	822.9	822.9	822.9	805.0	787.1	766.3	748.4	727.5
35°	840.8	858.7	861.7	861.7	861.7	858.7	840.8	825.9	808.0	790.1	766.3
37.5°	891.5	903.4	906.4	909.4	906.4	903.4	891.5	876.6	864.7	849.8	822.9
40°	951.1	963.1	963.1	963.1	963.1	963.1	951.1	942.2	930.3	918.3	888.5
42.5°	1025.7	1037.6	1040.6	1043.6	1040.6	1037.6	1025.7	1013.8	1001.8	989.9	960.1
45°	1121.1	1136.0	1139.0	1142.0	1139.0	1136.0	1121.1	1109.2	1094.3	1079.3	1043.6
47.5°	1234.4	1246.3	1246.3	1246.3	1246.3	1246.3	1234.4	1222.5	1210.5	1198.6	1156.9
50°	1359.6	1365.6	1368.6	1368.6	1368.6	1365.6	1359.6	1353.7	1344.7	1338.7	1285.1
52.5°	1493.8	1496.8	1496.8	1493.8	1496.8	1496.8	1493.8	1490.8	1484.8	1481.9	1419.3
55°	1648.8	1648.8	1645.9	1639.9	1645.9	1648.8	1648.8	1648.8	1645.9	1645.9	1580.3
57.5°	1815.8	1812.8	1812.8	1809.8	1812.8	1812.8	1815.8	1818.8	1821.8	1824.8	1759.2
60°	1988.7	1979.8	1976.8	1970.9	1976.8	1979.8	1988.7	1994.7	2003.7	2009.6	1947.0
62.5°	2152.7	2140.8	2140.8	2140.8	2140.8	2140.8	2152.7	2164.7	2176.6	2188.5	2137.8
65°	2346.5	2334.6	2328.6	2322.7	2328.6	2334.6	2346.5	2358.5	2367.4	2379.3	2340.6
67.5°	2528.4	2513.5	2507.5	2498.6	2507.5	2513.5	2528.4	2543.3	2558.2	2573.1	2543.3
70°	2686.4	2671.5	2668.6	2665.6	2668.6	2671.5	2686.4	2704.3	2719.2	2734.1	2704.3
72.5°	2811.7	2799.7	2796.8	2790.8	2796.8	2799.7	2811.7	2820.6	2832.5	2841.5	2805.7
75°	2692.4	2677.5	2668.6	2656.6	2668.6	2677.5	2692.4	2707.3	2722.2	2737.1	2710.3
77.5°	2248.1	2230.3	2224.3	2215.3	2224.3	2230.3	2248.1	2266.0	2283.9	2301.8	2301.8
80°	1231.4	1171.8	1156.9	1139.0	1156.9	1171.8	1231.4	1291.0	1350.7	1410.3	1472.9
82.5°	271.3	244.5	235.5	223.6	235.5	244.5	271.3	295.2	322.0	345.9	399.5
85°	92.4	83.5	77.5	71.6	77.5	83.5	92.4	104.4	113.3	122.2	131.2
87.5°	8.9	8.9	8.9	6.0	8.9	8.9	8.9	8.9	8.9	8.9	11.9
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):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	724.5	724.5	724.5	724.5	721.6	721.6	718.6	718.6	715.6	715.6	712.6
5°	691.7	682.8	676.8	664.9	650.0	638.1	623.2	620.2	617.2	614.2	611.2
7.5°	581.4	566.5	554.6	563.5	569.5	578.4	584.4	587.4	590.4	590.4	593.3
10°	465.1	459.2	456.2	462.2	465.1	471.1	474.1	483.0	492.0	497.9	506.9
12.5°	417.4	426.4	435.3	432.3	429.4	426.4	423.4	429.4	435.3	441.3	447.2
15°	399.5	387.6	375.7	375.7	375.7	372.7	372.7	375.7	381.6	384.6	387.6
17.5°	393.6	393.6	390.6	396.6	405.5	411.5	417.4	402.5	387.6	369.7	354.8
20°	396.6	381.6	366.7	375.7	384.6	390.6	399.5	411.5	420.4	432.3	441.3
22.5°	438.3	447.2	456.2	441.3	423.4	408.5	390.6	405.5	423.4	438.3	453.2
25°	459.2	435.3	408.5	423.4	438.3	453.2	468.1	456.2	444.3	432.3	420.4
27.5°	527.7	512.8	497.9	486.0	477.1	465.1	453.2	468.1	483.0	497.9	512.8
30°	644.0	608.3	569.5	554.6	542.7	527.7	512.8	506.9	500.9	492.0	486.0
32.5°	706.6	685.8	664.9	638.1	608.3	581.4	551.6	551.6	551.6	548.6	548.6
35°	745.4	721.6	697.7	676.8	653.0	632.1	608.3	602.3	596.3	590.4	584.4
37.5°	793.1	766.3	736.5	709.6	685.8	658.9	632.1	632.1	632.1	632.1	632.1
40°	858.7	828.9	799.1	766.3	733.5	700.7	667.9	670.9	676.8	679.8	682.8
42.5°	927.3	897.5	864.7	828.9	796.1	760.3	724.5	727.5	733.5	736.5	739.4
45°	1007.8	972.0	936.2	900.4	864.7	828.9	793.1	799.1	802.1	808.0	811.0
47.5°	1112.1	1070.4	1025.7	989.9	954.1	915.4	879.6	888.5	894.5	903.4	909.4
50°	1228.4	1174.8	1118.1	1082.3	1046.5	1010.8	975.0	986.9	998.8	1010.8	1022.7
52.5°	1359.6	1297.0	1234.4	1201.6	1165.8	1133.0	1097.2	1109.2	1124.1	1136.0	1147.9
55°	1511.7	1446.1	1377.5	1344.7	1311.9	1276.1	1243.3	1261.2	1279.1	1297.0	1314.9
57.5°	1696.5	1630.9	1565.4	1529.6	1496.8	1461.0	1425.2	1449.1	1475.9	1499.8	1523.6
60°	1884.4	1818.8	1756.2	1726.4	1693.6	1663.7	1630.9	1660.8	1693.6	1723.4	1753.2
62.5°	2087.1	2033.5	1982.8	1947.0	1914.2	1878.4	1842.6	1887.4	1932.1	1976.8	2021.5
65°	2301.8	2260.1	2221.3	2185.5	2149.7	2111.0	2075.2	2128.9	2182.5	2236.2	2289.9
67.5°	2516.5	2486.7	2456.9	2415.1	2376.4	2334.6	2292.9	2349.5	2403.2	2459.8	2513.5
70°	2674.5	2644.7	2614.9	2579.1	2543.3	2507.5	2471.8	2522.5	2573.1	2623.8	2674.5
72.5°	2769.9	2734.1	2698.4	2656.6	2617.9	2576.1	2534.4	2597.0	2662.6	2725.2	2787.8
75°	2683.5	2653.6	2626.8	2597.0	2567.2	2537.4	2507.5	2594.0	2677.5	2764.0	2847.4
77.5°	2301.8	2298.8	2298.8	2304.8	2307.8	2313.7	2316.7	2439.0	2558.2	2680.5	2799.7
80°	1535.5	1598.1	1660.8	1714.4	1768.1	1821.8	1875.4	2015.6	2155.7	2292.9	2433.0
82.5°	450.2	503.9	554.6	676.8	799.1	918.3	1040.6	1195.6	1353.7	1508.7	1663.7
85°	143.1	152.1	161.0	202.8	244.5	286.2	328.0	390.6	453.2	515.8	578.4
87.5°	14.9	14.9	17.9	20.9	23.9	23.9	26.8	26.8	23.9	23.9	20.9
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):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	709.6	706.6	703.7	700.7	697.7	694.7	688.8	685.8	676.8	667.9	658.9
5°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2
7.5°	593.3	596.3	596.3	596.3	593.3	590.4	587.4	584.4	581.4	581.4	578.4
10°	506.9	506.9	503.9	503.9	518.8	536.7	551.6	566.5	572.5	578.4	581.4
12.5°	468.1	489.0	506.9	527.7	539.7	554.6	566.5	578.4	575.5	572.5	569.5
15°	399.5	408.5	420.4	429.4	447.2	465.1	480.0	497.9	518.8	542.7	563.5
17.5°	384.6	414.4	444.3	474.1	489.0	506.9	521.8	536.7	542.7	551.6	557.6
20°	444.3	444.3	447.2	447.2	447.2	444.3	444.3	441.3	477.1	515.8	551.6
22.5°	447.2	441.3	435.3	429.4	456.2	480.0	506.9	530.7	527.7	524.8	521.8
25°	444.3	471.1	494.9	518.8	509.9	503.9	494.9	486.0	518.8	548.6	581.4
27.5°	503.9	497.9	489.0	480.0	497.9	518.8	536.7	554.6	548.6	542.7	533.7
30°	500.9	512.8	527.7	539.7	536.7	536.7	533.7	530.7	563.5	593.3	626.1
32.5°	548.6	551.6	551.6	551.6	572.5	590.4	611.2	629.1	644.0	661.9	676.8
35°	590.4	596.3	599.3	605.3	632.1	658.9	682.8	709.6	739.4	769.3	799.1
37.5°	635.1	641.0	644.0	647.0	676.8	703.7	733.5	760.3	793.1	825.9	855.7
40°	688.8	697.7	703.7	709.6	736.5	763.3	790.1	817.0	852.7	888.5	921.3
42.5°	751.4	760.3	772.2	781.2	811.0	837.8	867.7	894.5	930.3	963.1	998.8
45°	822.9	834.9	843.8	855.7	894.5	930.3	969.0	1004.8	1037.6	1067.4	1100.2
47.5°	918.3	924.3	933.2	939.2	981.0	1022.7	1061.5	1103.2	1136.0	1168.8	1198.6
50°	1025.7	1025.7	1028.7	1028.7	1082.3	1133.0	1186.7	1237.4	1267.2	1300.0	1329.8
52.5°	1153.9	1159.9	1162.8	1168.8	1222.5	1273.2	1326.8	1377.5	1407.3	1440.1	1469.9
55°	1317.9	1320.9	1320.9	1323.8	1377.5	1431.2	1484.8	1538.5	1568.3	1598.1	1628.0
57.5°	1523.6	1520.6	1520.6	1517.6	1571.3	1625.0	1675.7	1729.3	1759.2	1789.0	1818.8
60°	1744.2	1735.3	1723.4	1714.4	1774.1	1836.7	1896.3	1955.9	1982.8	2009.6	2036.4
62.5°	2003.7	1988.7	1970.9	1953.0	2015.6	2075.2	2137.8	2197.5	2218.3	2236.2	2257.1
65°	2257.1	2224.3	2188.5	2155.7	2227.3	2298.8	2370.4	2441.9	2456.9	2471.8	2483.7
67.5°	2474.7	2436.0	2397.2	2358.5	2441.9	2525.4	2605.9	2689.4	2695.4	2701.3	2707.3
70°	2635.8	2597.0	2558.2	2519.5	2620.8	2722.2	2823.6	2925.0	2928.0	2930.9	2933.9
72.5°	2749.1	2710.3	2668.6	2629.8	2734.1	2835.5	2939.9	3041.3	3050.2	3056.2	3065.1
75°	2790.8	2734.1	2677.5	2620.8	2713.3	2802.7	2895.2	2984.6	2975.7	2966.7	2954.8
77.5°	2698.4	2597.0	2495.6	2394.2	2439.0	2483.7	2525.4	2570.2	2522.5	2471.8	2424.1
80°	2286.9	2143.8	1997.7	1851.6	1821.8	1792.0	1759.2	1729.3	1639.9	1550.4	1458.0
82.5°	1517.6	1374.5	1228.4	1082.3	989.9	900.4	808.0	715.6	635.1	554.6	471.1
85°	503.9	429.4	354.8	280.3	250.5	223.6	193.8	164.0	152.1	140.1	128.2
87.5°	23.9	26.8	26.8	29.8	26.8	26.8	23.9	20.9	17.9	17.9	14.9
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):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	650.0	650.0	653.0	653.0	653.0	653.0	650.0	653.0	653.0	653.0	653.0
5°	611.2	611.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2	614.2
7.5°	575.5	566.5	554.6	545.6	533.7	530.7	524.8	530.7	533.7	545.6	554.6
10°	587.4	587.4	590.4	590.4	590.4	590.4	590.4	590.4	590.4	590.4	590.4
12.5°	566.5	554.6	539.7	527.7	512.8	515.8	518.8	515.8	512.8	527.7	539.7
15°	584.4	587.4	590.4	593.3	596.3	596.3	596.3	596.3	596.3	593.3	590.4
17.5°	563.5	551.6	536.7	524.8	509.9	509.9	506.9	509.9	509.9	524.8	536.7
20°	587.4	593.3	599.3	602.3	608.3	608.3	608.3	608.3	608.3	602.3	599.3
22.5°	518.8	518.8	518.8	515.8	515.8	515.8	515.8	515.8	515.8	515.8	518.8
25°	611.2	617.2	623.2	626.1	632.1	632.1	629.1	632.1	632.1	626.1	623.2
27.5°	527.7	530.7	536.7	539.7	542.7	542.7	542.7	542.7	542.7	539.7	536.7
30°	656.0	658.9	661.9	661.9	664.9	664.9	664.9	664.9	664.9	661.9	661.9
32.5°	691.7	718.6	748.4	775.2	802.1	805.0	808.0	805.0	802.1	775.2	748.4
35°	828.9	834.9	843.8	849.8	855.7	858.7	858.7	858.7	855.7	849.8	843.8
37.5°	888.5	894.5	897.5	903.4	906.4	909.4	909.4	909.4	906.4	903.4	897.5
40°	957.1	963.1	966.0	972.0	975.0	975.0	972.0	975.0	975.0	972.0	966.0
42.5°	1031.6	1034.6	1040.6	1043.6	1046.5	1049.5	1049.5	1049.5	1046.5	1043.6	1040.6
45°	1130.0	1133.0	1136.0	1136.0	1139.0	1142.0	1142.0	1142.0	1139.0	1136.0	1136.0
47.5°	1231.4	1237.4	1240.4	1246.3	1249.3	1252.3	1255.3	1252.3	1249.3	1246.3	1240.4
50°	1359.6	1362.6	1368.6	1371.5	1374.5	1374.5	1374.5	1374.5	1374.5	1371.5	1368.6
52.5°	1499.8	1502.7	1502.7	1505.7	1505.7	1505.7	1502.7	1505.7	1505.7	1505.7	1502.7
55°	1657.8	1657.8	1657.8	1654.8	1654.8	1654.8	1654.8	1654.8	1654.8	1654.8	1657.8
57.5°	1848.6	1848.6	1848.6	1848.6	1848.6	1839.7	1827.7	1839.7	1848.6	1848.6	1848.6
60°	2063.3	2057.3	2048.4	2042.4	2033.5	2030.5	2027.5	2030.5	2033.5	2042.4	2048.4
62.5°	2275.0	2266.0	2254.1	2245.2	2233.2	2230.3	2224.3	2230.3	2233.2	2245.2	2254.1
65°	2498.6	2483.7	2468.8	2450.9	2436.0	2433.0	2427.0	2433.0	2436.0	2450.9	2468.8
67.5°	2713.3	2698.4	2683.5	2665.6	2650.7	2647.7	2641.7	2647.7	2650.7	2665.6	2683.5
70°	2936.9	2922.0	2907.1	2889.2	2874.3	2874.3	2871.3	2874.3	2874.3	2889.2	2907.1
72.5°	3071.1	3056.2	3044.2	3029.3	3014.4	3005.5	2996.5	3005.5	3014.4	3029.3	3044.2
75°	2945.8	2922.0	2898.1	2871.3	2847.4	2841.5	2835.5	2841.5	2847.4	2871.3	2898.1
77.5°	2373.4	2349.5	2322.7	2298.8	2272.0	2248.1	2221.3	2248.1	2272.0	2298.8	2322.7
80°	1368.6	1308.9	1249.3	1189.7	1130.0	1115.1	1100.2	1115.1	1130.0	1189.7	1249.3
82.5°	390.6	360.8	328.0	298.2	265.4	265.4	265.4	265.4	265.4	298.2	328.0
85°	116.3	101.4	89.4	74.5	59.6	56.7	53.7	56.7	59.6	74.5	89.4
87.5°	11.9	11.9	11.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	11.9
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):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	650.0	650.0	658.9	667.9	676.8	685.8	688.8	694.7	697.7	700.7	703.7
5°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2
7.5°	566.5	575.5	578.4	581.4	581.4	584.4	587.4	590.4	593.3	596.3	596.3
10°	587.4	587.4	581.4	578.4	572.5	566.5	551.6	536.7	518.8	503.9	503.9
12.5°	554.6	566.5	569.5	572.5	575.5	578.4	566.5	554.6	539.7	527.7	506.9
15°	587.4	584.4	563.5	542.7	518.8	497.9	480.0	465.1	447.2	429.4	420.4
17.5°	551.6	563.5	557.6	551.6	542.7	536.7	521.8	506.9	489.0	474.1	444.3
20°	593.3	587.4	551.6	515.8	477.1	441.3	444.3	444.3	447.2	447.2	447.2
22.5°	518.8	518.8	521.8	524.8	527.7	530.7	506.9	480.0	456.2	429.4	435.3
25°	617.2	611.2	581.4	548.6	518.8	486.0	494.9	503.9	509.9	518.8	494.9
27.5°	530.7	527.7	533.7	542.7	548.6	554.6	536.7	518.8	497.9	480.0	489.0
30°	658.9	656.0	626.1	593.3	563.5	530.7	533.7	536.7	536.7	539.7	527.7
32.5°	718.6	691.7	676.8	661.9	644.0	629.1	611.2	590.4	572.5	551.6	551.6
35°	834.9	828.9	799.1	769.3	739.4	709.6	682.8	658.9	632.1	605.3	599.3
37.5°	894.5	888.5	855.7	825.9	793.1	760.3	733.5	703.7	676.8	647.0	644.0
40°	963.1	957.1	921.3	888.5	852.7	817.0	790.1	763.3	736.5	709.6	703.7
42.5°	1034.6	1031.6	998.8	963.1	930.3	894.5	867.7	837.8	811.0	781.2	772.2
45°	1133.0	1130.0	1100.2	1067.4	1037.6	1004.8	969.0	930.3	894.5	855.7	843.8
47.5°	1237.4	1231.4	1198.6	1168.8	1136.0	1103.2	1061.5	1022.7	981.0	939.2	933.2
50°	1362.6	1359.6	1329.8	1300.0	1267.2	1237.4	1186.7	1133.0	1082.3	1028.7	1028.7
52.5°	1502.7	1499.8	1469.9	1440.1	1407.3	1377.5	1326.8	1273.2	1222.5	1168.8	1162.8
55°	1657.8	1657.8	1628.0	1598.1	1568.3	1538.5	1484.8	1431.2	1377.5	1323.8	1320.9
57.5°	1848.6	1848.6	1818.8	1789.0	1759.2	1729.3	1675.7	1625.0	1571.3	1517.6	1520.6
60°	2057.3	2063.3	2036.4	2009.6	1982.8	1955.9	1896.3	1836.7	1774.1	1714.4	1723.4
62.5°	2266.0	2275.0	2257.1	2236.2	2218.3	2197.5	2137.8	2075.2	2015.6	1953.0	1970.9
65°	2483.7	2498.6	2483.7	2471.8	2456.9	2441.9	2370.4	2298.8	2227.3	2155.7	2188.5
67.5°	2698.4	2713.3	2707.3	2701.3	2695.4	2689.4	2605.9	2525.4	2441.9	2358.5	2397.2
70°	2922.0	2936.9	2933.9	2930.9	2928.0	2925.0	2823.6	2722.2	2620.8	2519.5	2558.2
72.5°	3056.2	3071.1	3065.1	3056.2	3050.2	3041.3	2939.9	2835.5	2734.1	2629.8	2668.6
75°	2922.0	2945.8	2954.8	2966.7	2975.7	2984.6	2895.2	2802.7	2713.3	2620.8	2677.5
77.5°	2349.5	2373.4	2424.1	2471.8	2522.5	2570.2	2525.4	2483.7	2439.0	2394.2	2495.6
80°	1308.9	1368.6	1458.0	1550.4	1639.9	1729.3	1759.2	1792.0	1821.8	1851.6	1997.7
82.5°	360.8	390.6	471.1	554.6	635.1	715.6	808.0	900.4	989.9	1082.3	1228.4
85°	101.4	116.3	128.2	140.1	152.1	164.0	193.8	223.6	250.5	280.3	354.8
87.5°	11.9	11.9	14.9	17.9	17.9	20.9	23.9	26.8	26.8	29.8	26.8
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: SDL-PA1-100-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	706.6	709.6	712.6	715.6	715.6	718.6	718.6	721.6	721.6	724.5	724.5
5°	611.2	611.2	611.2	614.2	617.2	620.2	623.2	638.1	650.0	664.9	676.8
7.5°	596.3	593.3	593.3	590.4	590.4	587.4	584.4	578.4	569.5	563.5	554.6
10°	506.9	506.9	506.9	497.9	492.0	483.0	474.1	471.1	465.1	462.2	456.2
12.5°	489.0	468.1	447.2	441.3	435.3	429.4	423.4	426.4	429.4	432.3	435.3
15°	408.5	399.5	387.6	384.6	381.6	375.7	372.7	372.7	375.7	375.7	375.7
17.5°	414.4	384.6	354.8	369.7	387.6	402.5	417.4	411.5	405.5	396.6	390.6
20°	444.3	444.3	441.3	432.3	420.4	411.5	399.5	390.6	384.6	375.7	366.7
22.5°	441.3	447.2	453.2	438.3	423.4	405.5	390.6	408.5	423.4	441.3	456.2
25°	471.1	444.3	420.4	432.3	444.3	456.2	468.1	453.2	438.3	423.4	408.5
27.5°	497.9	503.9	512.8	497.9	483.0	468.1	453.2	465.1	477.1	486.0	497.9
30°	512.8	500.9	486.0	492.0	500.9	506.9	512.8	527.7	542.7	554.6	569.5
32.5°	551.6	548.6	548.6	548.6	551.6	551.6	551.6	581.4	608.3	638.1	664.9
35°	596.3	590.4	584.4	590.4	596.3	602.3	608.3	632.1	653.0	676.8	697.7
37.5°	641.0	635.1	632.1	632.1	632.1	632.1	632.1	658.9	685.8	709.6	736.5
40°	697.7	688.8	682.8	679.8	676.8	670.9	667.9	700.7	733.5	766.3	799.1
42.5°	760.3	751.4	739.4	736.5	733.5	727.5	724.5	760.3	796.1	828.9	864.7
45°	834.9	822.9	811.0	808.0	802.1	799.1	793.1	828.9	864.7	900.4	936.2
47.5°	924.3	918.3	909.4	903.4	894.5	888.5	879.6	915.4	954.1	989.9	1025.7
50°	1025.7	1025.7	1022.7	1010.8	998.8	986.9	975.0	1010.8	1046.5	1082.3	1118.1
52.5°	1159.9	1153.9	1147.9	1136.0	1124.1	1109.2	1097.2	1133.0	1165.8	1201.6	1234.4
55°	1320.9	1317.9	1314.9	1297.0	1279.1	1261.2	1243.3	1276.1	1311.9	1344.7	1377.5
57.5°	1520.6	1523.6	1523.6	1499.8	1475.9	1449.1	1425.2	1461.0	1496.8	1529.6	1565.4
60°	1735.3	1744.2	1753.2	1723.4	1693.6	1660.8	1630.9	1663.7	1693.6	1726.4	1756.2
62.5°	1988.7	2003.7	2021.5	1976.8	1932.1	1887.4	1842.6	1878.4	1914.2	1947.0	1982.8
65°	2224.3	2257.1	2289.9	2236.2	2182.5	2128.9	2075.2	2111.0	2149.7	2185.5	2221.3
67.5°	2436.0	2474.7	2513.5	2459.8	2403.2	2349.5	2292.9	2334.6	2376.4	2415.1	2456.9
70°	2597.0	2635.8	2674.5	2623.8	2573.1	2522.5	2471.8	2507.5	2543.3	2579.1	2614.9
72.5°	2710.3	2749.1	2787.8	2725.2	2662.6	2597.0	2534.4	2576.1	2617.9	2656.6	2698.4
75°	2734.1	2790.8	2847.4	2764.0	2677.5	2594.0	2507.5	2537.4	2567.2	2597.0	2626.8
77.5°	2597.0	2698.4	2799.7	2680.5	2558.2	2439.0	2316.7	2313.7	2307.8	2304.8	2298.8
80°	2143.8	2286.9	2433.0	2292.9	2155.7	2015.6	1875.4	1821.8	1768.1	1714.4	1660.8
82.5°	1374.5	1517.6	1663.7	1508.7	1353.7	1195.6	1040.6	918.3	799.1	676.8	554.6
85°	429.4	503.9	578.4	515.8	453.2	390.6	328.0	286.2	244.5	202.8	161.0
87.5°	26.8	23.9	20.9	23.9	23.9	26.8	26.8	23.9	23.9	20.9	17.9
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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 CATALOG NUMBER: SDL-PA1-100-830-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	724.5	724.5	721.6	721.6	721.6	724.5	724.5	724.5	724.5	724.5	724.5
5°	682.8	691.7	697.7	703.7	706.6	706.6	709.6	709.6	709.6	709.6	709.6
7.5°	566.5	581.4	593.3	605.3	608.3	611.2	611.2	614.2	614.2	611.2	614.2
10°	459.2	465.1	468.1	471.1	486.0	503.9	518.8	533.7	533.7	533.7	533.7
12.5°	426.4	417.4	405.5	396.6	411.5	426.4	441.3	456.2	456.2	456.2	456.2
15°	387.6	399.5	411.5	423.4	444.3	468.1	489.0	509.9	509.9	509.9	509.9
17.5°	393.6	393.6	396.6	396.6	408.5	417.4	429.4	438.3	441.3	441.3	441.3
20°	381.6	396.6	411.5	426.4	450.2	474.1	494.9	518.8	521.8	524.8	521.8
22.5°	447.2	438.3	426.4	417.4	417.4	417.4	414.4	414.4	417.4	417.4	417.4
25°	435.3	459.2	486.0	509.9	527.7	542.7	560.5	575.5	575.5	572.5	575.5
27.5°	512.8	527.7	542.7	557.6	584.4	608.3	635.1	658.9	664.9	667.9	664.9
30°	608.3	644.0	682.8	718.6	736.5	754.4	772.2	790.1	790.1	790.1	790.1
32.5°	685.8	706.6	727.5	748.4	766.3	787.1	805.0	822.9	822.9	822.9	822.9
35°	721.6	745.4	766.3	790.1	808.0	825.9	840.8	858.7	861.7	861.7	861.7
37.5°	766.3	793.1	822.9	849.8	864.7	876.6	891.5	903.4	906.4	909.4	906.4
40°	828.9	858.7	888.5	918.3	930.3	942.2	951.1	963.1	963.1	963.1	963.1
42.5°	897.5	927.3	960.1	989.9	1001.8	1013.8	1025.7	1037.6	1040.6	1043.6	1040.6
45°	972.0	1007.8	1043.6	1079.3	1094.3	1109.2	1121.1	1136.0	1139.0	1142.0	1139.0
47.5°	1070.4	1112.1	1156.9	1198.6	1210.5	1222.5	1234.4	1246.3	1246.3	1246.3	1246.3
50°	1174.8	1228.4	1285.1	1338.7	1344.7	1353.7	1359.6	1365.6	1368.6	1368.6	1368.6
52.5°	1297.0	1359.6	1419.3	1481.9	1484.8	1490.8	1493.8	1496.8	1496.8	1493.8	1496.8
55°	1446.1	1511.7	1580.3	1645.9	1645.9	1648.8	1648.8	1648.8	1645.9	1639.9	1645.9
57.5°	1630.9	1696.5	1759.2	1824.8	1821.8	1818.8	1815.8	1812.8	1812.8	1809.8	1812.8
60°	1818.8	1884.4	1947.0	2009.6	2003.7	1994.7	1988.7	1979.8	1976.8	1970.9	1976.8
62.5°	2033.5	2087.1	2137.8	2188.5	2176.6	2164.7	2152.7	2140.8	2140.8	2140.8	2140.8
65°	2260.1	2301.8	2340.6	2379.3	2367.4	2358.5	2346.5	2334.6	2328.6	2322.7	2328.6
67.5°	2486.7	2516.5	2543.3	2573.1	2558.2	2543.3	2528.4	2513.5	2507.5	2498.6	2507.5
70°	2644.7	2674.5	2704.3	2734.1	2719.2	2704.3	2686.4	2671.5	2668.6	2665.6	2668.6
72.5°	2734.1	2769.9	2805.7	2841.5	2832.5	2820.6	2811.7	2799.7	2796.8	2790.8	2796.8
75°	2653.6	2683.5	2710.3	2737.1	2722.2	2707.3	2692.4	2677.5	2668.6	2656.6	2668.6
77.5°	2298.8	2301.8	2301.8	2301.8	2283.9	2266.0	2248.1	2230.3	2224.3	2215.3	2224.3
80°	1598.1	1535.5	1472.9	1410.3	1350.7	1291.0	1231.4	1171.8	1156.9	1139.0	1156.9
82.5°	503.9	450.2	399.5	345.9	322.0	295.2	271.3	244.5	235.5	223.6	235.5
85°	152.1	143.1	131.2	122.2	113.3	104.4	92.4	83.5	77.5	71.6	77.5
87.5°	14.9	14.9	11.9	8.9	8.9	8.9	8.9	8.9	8.9	6.0	8.9
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):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	724.5	724.5	724.5	721.6	721.6	721.6	724.5	724.5	724.5	724.5	721.6
5°	709.6	709.6	706.6	706.6	703.7	697.7	691.7	682.8	676.8	664.9	650.0
7.5°	614.2	611.2	611.2	608.3	605.3	593.3	581.4	566.5	554.6	563.5	569.5
10°	533.7	518.8	503.9	486.0	471.1	468.1	465.1	459.2	456.2	462.2	465.1
12.5°	456.2	441.3	426.4	411.5	396.6	405.5	417.4	426.4	435.3	432.3	429.4
15°	509.9	489.0	468.1	444.3	423.4	411.5	399.5	387.6	375.7	375.7	375.7
17.5°	438.3	429.4	417.4	408.5	396.6	396.6	393.6	393.6	390.6	396.6	405.5
20°	518.8	494.9	474.1	450.2	426.4	411.5	396.6	381.6	366.7	375.7	384.6
22.5°	414.4	414.4	417.4	417.4	417.4	426.4	438.3	447.2	456.2	441.3	423.4
25°	575.5	560.5	542.7	527.7	509.9	486.0	459.2	435.3	408.5	423.4	438.3
27.5°	658.9	635.1	608.3	584.4	557.6	542.7	527.7	512.8	497.9	486.0	477.1
30°	790.1	772.2	754.4	736.5	718.6	682.8	644.0	608.3	569.5	554.6	542.7
32.5°	822.9	805.0	787.1	766.3	748.4	727.5	706.6	685.8	664.9	638.1	608.3
35°	858.7	840.8	825.9	808.0	790.1	766.3	745.4	721.6	697.7	676.8	653.0
37.5°	903.4	891.5	876.6	864.7	849.8	822.9	793.1	766.3	736.5	709.6	685.8
40°	963.1	951.1	942.2	930.3	918.3	888.5	858.7	828.9	799.1	766.3	733.5
42.5°	1037.6	1025.7	1013.8	1001.8	989.9	960.1	927.3	897.5	864.7	828.9	796.1
45°	1136.0	1121.1	1109.2	1094.3	1079.3	1043.6	1007.8	972.0	936.2	900.4	864.7
47.5°	1246.3	1234.4	1222.5	1210.5	1198.6	1156.9	1112.1	1070.4	1025.7	989.9	954.1
50°	1365.6	1359.6	1353.7	1344.7	1338.7	1285.1	1228.4	1174.8	1118.1	1082.3	1046.5
52.5°	1496.8	1493.8	1490.8	1484.8	1481.9	1419.3	1359.6	1297.0	1234.4	1201.6	1165.8
55°	1648.8	1648.8	1648.8	1645.9	1645.9	1580.3	1511.7	1446.1	1377.5	1344.7	1311.9
57.5°	1812.8	1815.8	1818.8	1821.8	1824.8	1759.2	1696.5	1630.9	1565.4	1529.6	1496.8
60°	1979.8	1988.7	1994.7	2003.7	2009.6	1947.0	1884.4	1818.8	1756.2	1726.4	1693.6
62.5°	2140.8	2152.7	2164.7	2176.6	2188.5	2137.8	2087.1	2033.5	1982.8	1947.0	1914.2
65°	2334.6	2346.5	2358.5	2367.4	2379.3	2340.6	2301.8	2260.1	2221.3	2185.5	2149.7
67.5°	2513.5	2528.4	2543.3	2558.2	2573.1	2543.3	2516.5	2486.7	2456.9	2415.1	2376.4
70°	2671.5	2686.4	2704.3	2719.2	2734.1	2704.3	2674.5	2644.7	2614.9	2579.1	2543.3
72.5°	2799.7	2811.7	2820.6	2832.5	2841.5	2805.7	2769.9	2734.1	2698.4	2656.6	2617.9
75°	2677.5	2692.4	2707.3	2722.2	2737.1	2710.3	2683.5	2653.6	2626.8	2597.0	2567.2
77.5°	2230.3	2248.1	2266.0	2283.9	2301.8	2301.8	2301.8	2298.8	2298.8	2304.8	2307.8
80°	1171.8	1231.4	1291.0	1350.7	1410.3	1472.9	1535.5	1598.1	1660.8	1714.4	1768.1
82.5°	244.5	271.3	295.2	322.0	345.9	399.5	450.2	503.9	554.6	676.8	799.1
85°	83.5	92.4	104.4	113.3	122.2	131.2	143.1	152.1	161.0	202.8	244.5
87.5°	8.9	8.9	8.9	8.9	8.9	11.9	14.9	14.9	17.9	20.9	23.9
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):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	721.6	718.6	718.6	715.6	715.6	712.6	709.6	706.6	703.7	700.7	697.7
5°	638.1	623.2	620.2	617.2	614.2	611.2	611.2	611.2	611.2	611.2	611.2
7.5°	578.4	584.4	587.4	590.4	590.4	593.3	593.3	596.3	596.3	596.3	593.3
10°	471.1	474.1	483.0	492.0	497.9	506.9	506.9	506.9	503.9	503.9	518.8
12.5°	426.4	423.4	429.4	435.3	441.3	447.2	468.1	489.0	506.9	527.7	539.7
15°	372.7	372.7	375.7	381.6	384.6	387.6	399.5	408.5	420.4	429.4	447.2
17.5°	411.5	417.4	402.5	387.6	369.7	354.8	384.6	414.4	444.3	474.1	489.0
20°	390.6	399.5	411.5	420.4	432.3	441.3	444.3	444.3	447.2	447.2	447.2
22.5°	408.5	390.6	405.5	423.4	438.3	453.2	447.2	441.3	435.3	429.4	456.2
25°	453.2	468.1	456.2	444.3	432.3	420.4	444.3	471.1	494.9	518.8	509.9
27.5°	465.1	453.2	468.1	483.0	497.9	512.8	503.9	497.9	489.0	480.0	497.9
30°	527.7	512.8	506.9	500.9	492.0	486.0	500.9	512.8	527.7	539.7	536.7
32.5°	581.4	551.6	551.6	551.6	548.6	548.6	548.6	551.6	551.6	551.6	572.5
35°	632.1	608.3	602.3	596.3	590.4	584.4	590.4	596.3	599.3	605.3	632.1
37.5°	658.9	632.1	632.1	632.1	632.1	632.1	635.1	641.0	644.0	647.0	676.8
40°	700.7	667.9	670.9	676.8	679.8	682.8	688.8	697.7	703.7	709.6	736.5
42.5°	760.3	724.5	727.5	733.5	736.5	739.4	751.4	760.3	772.2	781.2	811.0
45°	828.9	793.1	799.1	802.1	808.0	811.0	822.9	834.9	843.8	855.7	894.5
47.5°	915.4	879.6	888.5	894.5	903.4	909.4	918.3	924.3	933.2	939.2	981.0
50°	1010.8	975.0	986.9	998.8	1010.8	1022.7	1025.7	1025.7	1028.7	1028.7	1082.3
52.5°	1133.0	1097.2	1109.2	1124.1	1136.0	1147.9	1153.9	1159.9	1162.8	1168.8	1222.5
55°	1276.1	1243.3	1261.2	1279.1	1297.0	1314.9	1317.9	1320.9	1320.9	1323.8	1377.5
57.5°	1461.0	1425.2	1449.1	1475.9	1499.8	1523.6	1523.6	1520.6	1520.6	1517.6	1571.3
60°	1663.7	1630.9	1660.8	1693.6	1723.4	1753.2	1744.2	1735.3	1723.4	1714.4	1774.1
62.5°	1878.4	1842.6	1887.4	1932.1	1976.8	2021.5	2003.7	1988.7	1970.9	1953.0	2015.6
65°	2111.0	2075.2	2128.9	2182.5	2236.2	2289.9	2257.1	2224.3	2188.5	2155.7	2227.3
67.5°	2334.6	2292.9	2349.5	2403.2	2459.8	2513.5	2474.7	2436.0	2397.2	2358.5	2441.9
70°	2507.5	2471.8	2522.5	2573.1	2623.8	2674.5	2635.8	2597.0	2558.2	2519.5	2620.8
72.5°	2576.1	2534.4	2597.0	2662.6	2725.2	2787.8	2749.1	2710.3	2668.6	2629.8	2734.1
75°	2537.4	2507.5	2594.0	2677.5	2764.0	2847.4	2790.8	2734.1	2677.5	2620.8	2713.3
77.5°	2313.7	2316.7	2439.0	2558.2	2680.5	2799.7	2698.4	2597.0	2495.6	2394.2	2439.0
80°	1821.8	1875.4	2015.6	2155.7	2292.9	2433.0	2286.9	2143.8	1997.7	1851.6	1821.8
82.5°	918.3	1040.6	1195.6	1353.7	1508.7	1663.7	1517.6	1374.5	1228.4	1082.3	989.9
85°	286.2	328.0	390.6	453.2	515.8	578.4	503.9	429.4	354.8	280.3	250.5
87.5°	23.9	26.8	26.8	23.9	23.9	20.9	23.9	26.8	26.8	29.8	26.8
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):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5	733.5
2.5°	694.7	688.8	685.8	676.8	667.9	658.9	650.0	650.0	653.0	653.0	653.0
5°	611.2	611.2	611.2	611.2	611.2	611.2	611.2	611.2	614.2	614.2	614.2
7.5°	590.4	587.4	584.4	581.4	581.4	578.4	575.5	566.5	554.6	545.6	533.7
10°	536.7	551.6	566.5	572.5	578.4	581.4	587.4	587.4	590.4	590.4	590.4
12.5°	554.6	566.5	578.4	575.5	572.5	569.5	566.5	554.6	539.7	527.7	512.8
15°	465.1	480.0	497.9	518.8	542.7	563.5	584.4	587.4	590.4	593.3	596.3
17.5°	506.9	521.8	536.7	542.7	551.6	557.6	563.5	551.6	536.7	524.8	509.9
20°	444.3	444.3	441.3	477.1	515.8	551.6	587.4	593.3	599.3	602.3	608.3
22.5°	480.0	506.9	530.7	527.7	524.8	521.8	518.8	518.8	518.8	515.8	515.8
25°	503.9	494.9	486.0	518.8	548.6	581.4	611.2	617.2	623.2	626.1	632.1
27.5°	518.8	536.7	554.6	548.6	542.7	533.7	527.7	530.7	536.7	539.7	542.7
30°	536.7	533.7	530.7	563.5	593.3	626.1	656.0	658.9	661.9	661.9	664.9
32.5°	590.4	611.2	629.1	644.0	661.9	676.8	691.7	718.6	748.4	775.2	802.1
35°	658.9	682.8	709.6	739.4	769.3	799.1	828.9	834.9	843.8	849.8	855.7
37.5°	703.7	733.5	760.3	793.1	825.9	855.7	888.5	894.5	897.5	903.4	906.4
40°	763.3	790.1	817.0	852.7	888.5	921.3	957.1	963.1	966.0	972.0	975.0
42.5°	837.8	867.7	894.5	930.3	963.1	998.8	1031.6	1034.6	1040.6	1043.6	1046.5
45°	930.3	969.0	1004.8	1037.6	1067.4	1100.2	1130.0	1133.0	1136.0	1136.0	1139.0
47.5°	1022.7	1061.5	1103.2	1136.0	1168.8	1198.6	1231.4	1237.4	1240.4	1246.3	1249.3
50°	1133.0	1186.7	1237.4	1267.2	1300.0	1329.8	1359.6	1362.6	1368.6	1371.5	1374.5
52.5°	1273.2	1326.8	1377.5	1407.3	1440.1	1469.9	1499.8	1502.7	1502.7	1505.7	1505.7
55°	1431.2	1484.8	1538.5	1568.3	1598.1	1628.0	1657.8	1657.8	1657.8	1654.8	1654.8
57.5°	1625.0	1675.7	1729.3	1759.2	1789.0	1818.8	1848.6	1848.6	1848.6	1848.6	1848.6
60°	1836.7	1896.3	1955.9	1982.8	2009.6	2036.4	2063.3	2057.3	2048.4	2042.4	2033.5
62.5°	2075.2	2137.8	2197.5	2218.3	2236.2	2257.1	2275.0	2266.0	2254.1	2245.2	2233.2
65°	2298.8	2370.4	2441.9	2456.9	2471.8	2483.7	2498.6	2483.7	2468.8	2450.9	2436.0
67.5°	2525.4	2605.9	2689.4	2695.4	2701.3	2707.3	2713.3	2698.4	2683.5	2665.6	2650.7
70°	2722.2	2823.6	2925.0	2928.0	2930.9	2933.9	2936.9	2922.0	2907.1	2889.2	2874.3
72.5°	2835.5	2939.9	3041.3	3050.2	3056.2	3065.1	3071.1	3056.2	3044.2	3029.3	3014.4
75°	2802.7	2895.2	2984.6	2975.7	2966.7	2954.8	2945.8	2922.0	2898.1	2871.3	2847.4
77.5°	2483.7	2525.4	2570.2	2522.5	2471.8	2424.1	2373.4	2349.5	2322.7	2298.8	2272.0
80°	1792.0	1759.2	1729.3	1639.9	1550.4	1458.0	1368.6	1308.9	1249.3	1189.7	1130.0
82.5°	900.4	808.0	715.6	635.1	554.6	471.1	390.6	360.8	328.0	298.2	265.4
85°	223.6	193.8	164.0	152.1	140.1	128.2	116.3	101.4	89.4	74.5	59.6
87.5°	26.8	23.9	20.9	17.9	17.9	14.9	11.9	11.9	11.9	8.9	8.9
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):

	357.5°	360°
0°	733.5	733.5
2.5°	653.0	650.0
5°	614.2	614.2
7.5°	530.7	524.8
10°	590.4	590.4
12.5°	515.8	518.8
15°	596.3	596.3
17.5°	509.9	506.9
20°	608.3	608.3
22.5°	515.8	515.8
25°	632.1	629.1
27.5°	542.7	542.7
30°	664.9	664.9
32.5°	805.0	808.0
35°	858.7	858.7
37.5°	909.4	909.4
40°	975.0	972.0
42.5°	1049.5	1049.5
45°	1142.0	1142.0
47.5°	1252.3	1255.3
50°	1374.5	1374.5
52.5°	1505.7	1502.7
55°	1654.8	1654.8
57.5°	1839.7	1827.7
60°	2030.5	2027.5
62.5°	2230.3	2224.3
65°	2433.0	2427.0
67.5°	2647.7	2641.7
70°	2874.3	2871.3
72.5°	3005.5	2996.5
75°	2841.5	2835.5
77.5°	2248.1	2221.3
80°	1115.1	1100.2
82.5°	265.4	265.4
85°	56.7	53.7
87.5°	8.9	8.9
90°	0.0	0.0

(END OF REPORT)