

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: P561277

Luminaire Tested: **SDL-PA1-90-750-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561277
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-PA1-90-750-U-5WQ
Description: Springdale
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10564 lumens
Efficiency: N/A
Efficacy: 114.3 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: B4 - U0 - G3

Input Watts (W): 92.4
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

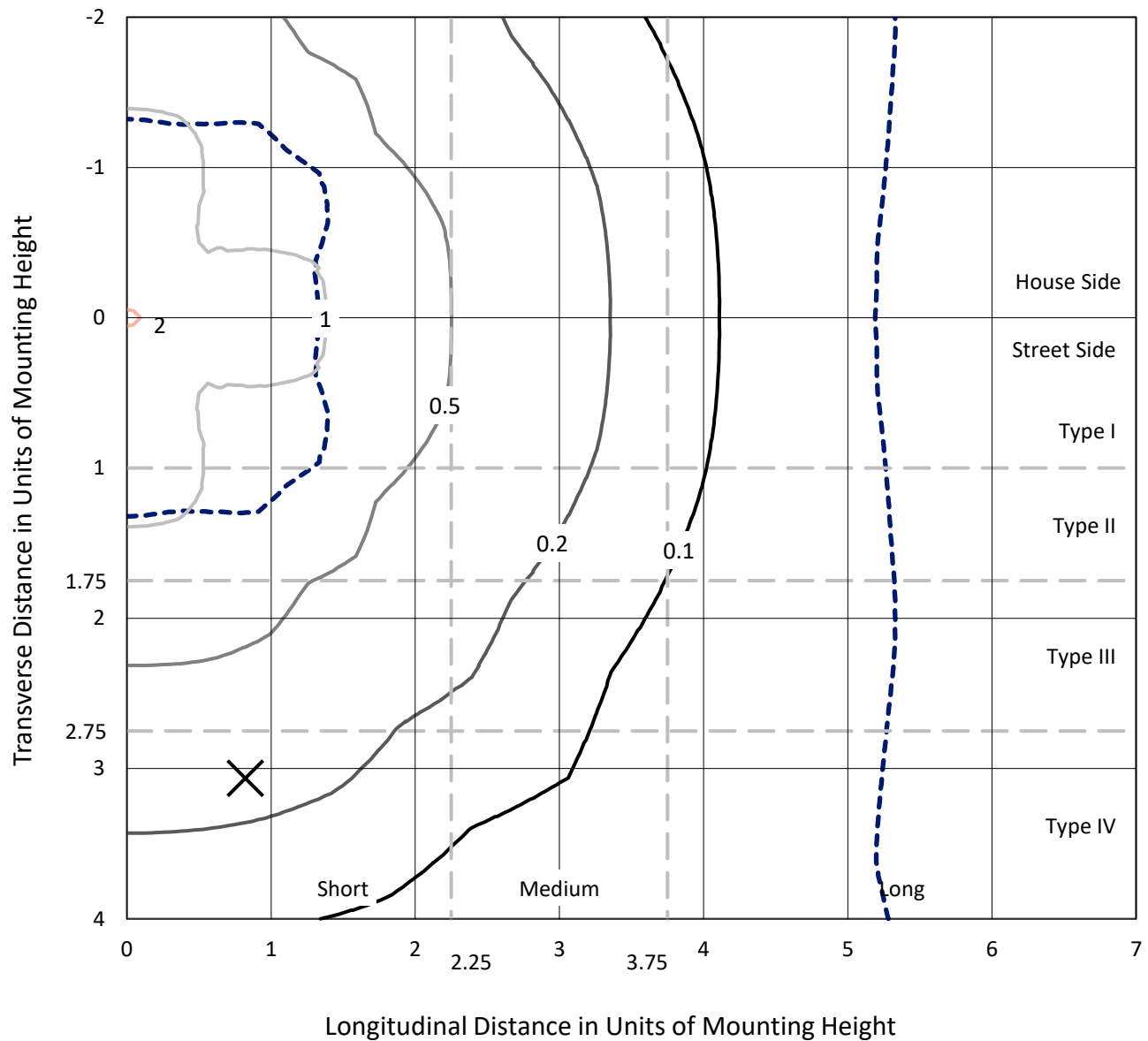


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

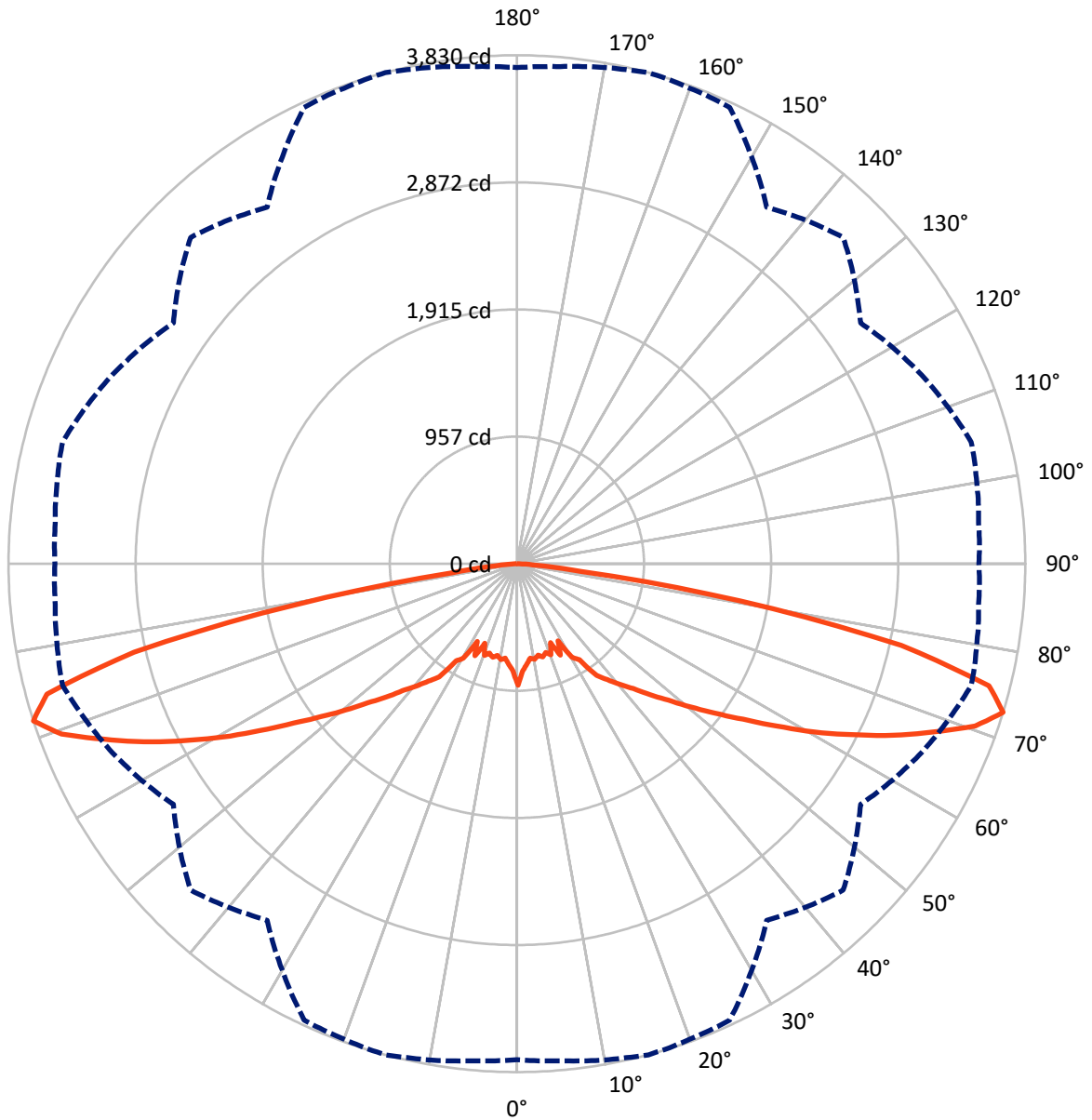


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - N/A

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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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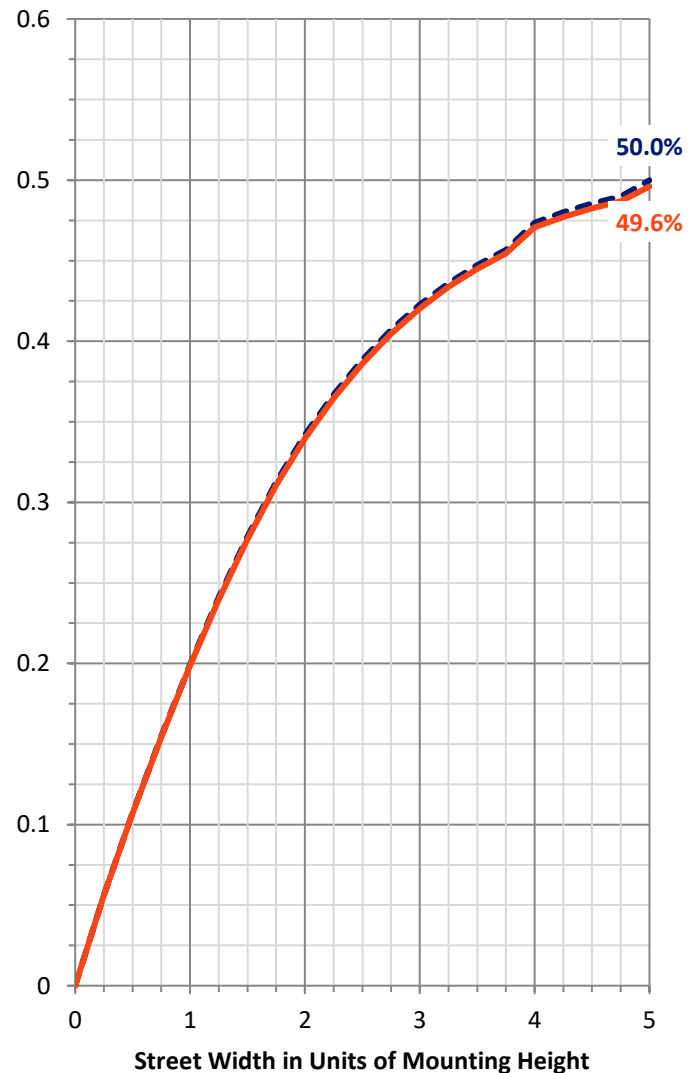
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5282.0	0.0	5282.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5282.0	0.0	5282.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10564.0	0.0	10564.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	0.7
10°-20°	166.8	1.6
20°-30°	297.6	2.8
30°-40°	569.2	5.4
40°-50°	969.4	9.2
50°-60°	1696.9	16.1
60°-70°	2863.3	27.1
70°-80°	3339.9	31.6
80°-90°	589.1	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°	10564.0	100.0
0°-180°	10564.0	100.0



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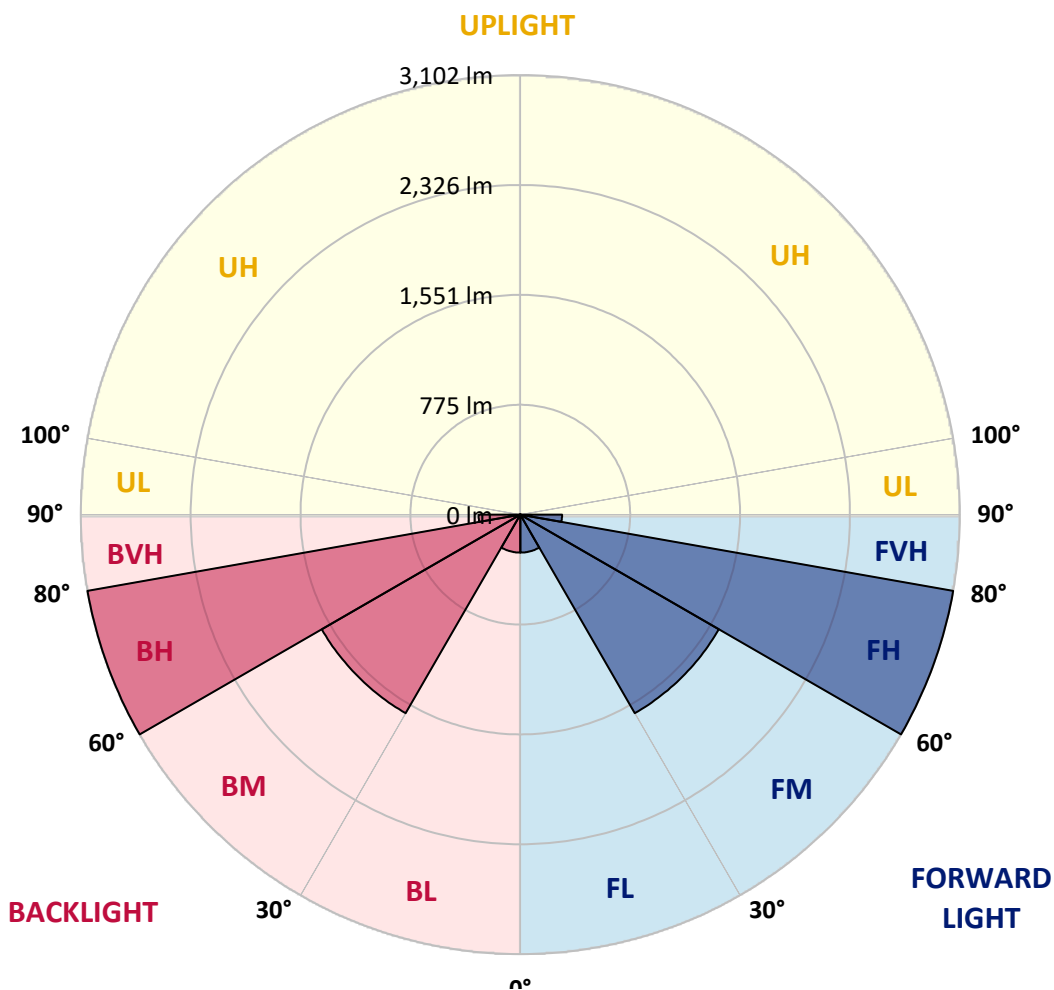
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.1	2.5			
FM	(30°-60°)	1617.7	15.3			
FH	(60°-80°)	3101.6	29.4			G2/5000
FVH	(80°-90°)	294.6	2.8			G3/500
BL	(0°-30°)	268.1	2.5	B1/500		
BM	(30°-60°)	1617.7	15.3	B2/2500		
BH	(60°-80°)	3101.6	29.4	B4/5000		G2/5000
BVH	(80°-90°)	294.6	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	810.5	814.2	814.2	814.2	814.2	810.5	810.5	821.7	832.8	844.0	855.1
5°	765.9	765.9	765.9	765.9	765.9	762.2	762.2	762.2	762.2	762.2	762.2
7.5°	654.4	661.8	665.5	680.4	691.6	706.4	717.6	721.3	725.0	725.0	728.7
10°	736.2	736.2	736.2	736.2	736.2	732.4	732.4	725.0	721.3	713.9	706.4
12.5°	646.9	643.2	639.5	658.1	673.0	691.6	706.4	710.1	713.9	717.6	721.3
15°	743.6	743.6	743.6	739.9	736.2	732.4	728.7	702.7	676.7	646.9	620.9
17.5°	632.1	635.8	635.8	654.4	669.2	687.8	702.7	695.3	687.8	676.7	669.2
20°	758.5	758.5	758.5	751.0	747.3	739.9	732.4	687.8	643.2	594.9	550.3
22.5°	643.2	643.2	643.2	643.2	646.9	646.9	646.9	650.7	654.4	658.1	661.8
25°	784.5	788.2	788.2	780.8	777.1	769.6	762.2	725.0	684.1	646.9	606.0
27.5°	676.7	676.7	676.7	673.0	669.2	661.8	658.1	665.5	676.7	684.1	691.6
30°	829.1	829.1	829.1	825.4	825.4	821.7	818.0	780.8	739.9	702.7	661.8
32.5°	1007.6	1003.9	1000.1	966.7	933.2	896.0	862.6	844.0	825.4	803.1	784.5
35°	1070.8	1070.8	1067.1	1059.6	1052.2	1041.0	1033.6	996.4	959.2	922.1	884.9
37.5°	1134.0	1134.0	1130.3	1126.6	1119.1	1115.4	1108.0	1067.1	1029.9	989.0	948.1
40°	1212.1	1215.8	1215.8	1212.1	1204.6	1200.9	1193.5	1148.9	1108.0	1063.4	1018.7
42.5°	1308.7	1308.7	1305.0	1301.3	1297.6	1290.2	1286.4	1245.5	1200.9	1160.0	1115.4
45°	1424.0	1424.0	1420.3	1416.6	1416.6	1412.8	1409.1	1371.9	1331.0	1293.9	1253.0
47.5°	1565.3	1561.6	1557.8	1554.1	1546.7	1543.0	1535.5	1494.6	1457.5	1416.6	1375.7
50°	1714.0	1714.0	1714.0	1710.3	1706.6	1699.1	1695.4	1658.2	1621.1	1580.2	1543.0
52.5°	1873.9	1877.6	1877.6	1877.6	1873.9	1873.9	1870.2	1833.0	1795.8	1754.9	1717.7
55°	2063.5	2063.5	2063.5	2063.5	2067.2	2067.2	2067.2	2030.0	1992.9	1955.7	1918.5
57.5°	2279.1	2294.0	2305.2	2305.2	2305.2	2305.2	2305.2	2268.0	2230.8	2193.6	2156.4
60°	2528.2	2532.0	2535.7	2546.8	2554.3	2565.4	2572.9	2539.4	2505.9	2472.5	2439.0
62.5°	2773.6	2781.1	2784.8	2799.7	2810.8	2825.7	2836.8	2814.5	2788.5	2766.2	2740.2
65°	3026.5	3033.9	3037.6	3056.2	3078.5	3097.1	3115.7	3097.1	3082.2	3063.6	3045.1
67.5°	3294.2	3301.6	3305.3	3323.9	3346.2	3364.8	3383.4	3376.0	3368.5	3361.1	3353.6
70°	3580.4	3584.2	3584.2	3602.8	3625.1	3643.7	3662.2	3658.5	3654.8	3651.1	3647.4
72.5°	3736.6	3747.8	3758.9	3777.5	3796.1	3811.0	3829.6	3822.1	3811.0	3803.5	3792.4
75°	3535.8	3543.3	3550.7	3580.4	3613.9	3643.7	3673.4	3684.6	3699.4	3710.6	3721.7
77.5°	2769.9	2803.4	2833.1	2866.6	2896.3	2929.8	2959.5	3022.7	3082.2	3145.4	3204.9
80°	1371.9	1390.5	1409.1	1483.5	1557.8	1632.2	1706.6	1818.1	1933.4	2044.9	2156.4
82.5°	330.9	330.9	330.9	371.8	409.0	449.9	487.1	587.4	691.6	791.9	892.3
85°	66.9	70.6	74.4	93.0	111.5	126.4	145.0	159.9	174.7	189.6	204.5
87.5°	11.2	11.2	11.2	11.2	14.9	14.9	14.9	18.6	22.3	22.3	26.0
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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	858.9	866.3	870.0	873.7	877.5	881.2	884.9	888.6	892.3	892.3	896.0
5°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	765.9	769.6	773.3
7.5°	732.4	736.2	739.9	743.6	743.6	743.6	739.9	739.9	736.2	736.2	732.4
10°	687.8	669.2	646.9	628.3	628.3	632.1	632.1	632.1	620.9	613.5	602.3
12.5°	706.4	691.6	673.0	658.1	632.1	609.8	583.7	557.7	550.3	542.8	535.4
15°	598.6	580.0	557.7	535.4	524.2	509.4	498.2	483.3	479.6	475.9	468.5
17.5°	650.7	632.1	609.8	591.2	554.0	516.8	479.6	442.4	461.0	483.3	501.9
20°	554.0	554.0	557.7	557.7	557.7	554.0	554.0	550.3	539.1	524.2	513.1
22.5°	632.1	598.6	568.9	535.4	542.8	550.3	557.7	565.1	546.5	528.0	505.6
25°	617.2	628.3	635.8	646.9	617.2	587.4	554.0	524.2	539.1	554.0	568.9
27.5°	669.2	646.9	620.9	598.6	609.8	620.9	628.3	639.5	620.9	602.3	583.7
30°	665.5	669.2	669.2	673.0	658.1	639.5	624.6	606.0	613.5	624.6	632.1
32.5°	762.2	736.2	713.9	687.8	687.8	687.8	684.1	684.1	684.1	687.8	687.8
35°	851.4	821.7	788.2	754.8	747.3	743.6	736.2	728.7	736.2	743.6	751.0
37.5°	914.6	877.5	844.0	806.8	803.1	799.4	791.9	788.2	788.2	788.2	788.2
40°	985.3	951.8	918.3	884.9	877.5	870.0	858.9	851.4	847.7	844.0	836.6
42.5°	1081.9	1044.8	1011.3	974.1	963.0	948.1	936.9	922.1	918.3	914.6	907.2
45°	1208.4	1160.0	1115.4	1067.1	1052.2	1041.0	1026.2	1011.3	1007.6	1000.1	996.4
47.5°	1323.6	1275.3	1223.2	1171.2	1163.7	1152.6	1145.1	1134.0	1126.6	1115.4	1108.0
50°	1479.8	1412.8	1349.6	1282.7	1282.7	1279.0	1279.0	1275.3	1260.4	1245.5	1230.7
52.5°	1654.5	1587.6	1524.4	1457.5	1450.0	1446.3	1438.9	1431.4	1416.6	1401.7	1383.1
55°	1851.6	1784.6	1717.7	1650.8	1647.1	1647.1	1643.4	1639.6	1617.3	1595.0	1572.7
57.5°	2089.5	2026.3	1959.4	1892.5	1896.2	1896.2	1899.9	1899.9	1870.2	1840.4	1807.0
60°	2364.7	2290.3	2212.2	2137.9	2149.0	2163.9	2175.0	2186.2	2149.0	2111.8	2070.9
62.5°	2665.8	2587.7	2513.4	2435.3	2457.6	2479.9	2498.5	2520.8	2465.0	2409.3	2353.5
65°	2955.8	2866.6	2777.4	2688.1	2729.0	2773.6	2814.5	2855.4	2788.5	2721.6	2654.7
67.5°	3249.5	3149.2	3045.1	2940.9	2989.3	3037.6	3086.0	3134.3	3067.4	2996.7	2929.8
70°	3521.0	3394.5	3268.1	3141.7	3190.1	3238.4	3286.7	3335.1	3271.9	3208.6	3145.4
72.5°	3666.0	3535.8	3409.4	3279.3	3327.6	3379.7	3428.0	3476.3	3398.3	3320.2	3238.4
75°	3610.2	3494.9	3383.4	3268.1	3338.8	3409.4	3480.1	3550.7	3446.6	3338.8	3234.7
77.5°	3149.2	3097.1	3041.3	2985.6	3112.0	3238.4	3364.8	3491.2	3342.5	3190.1	3041.3
80°	2193.6	2234.5	2271.7	2308.9	2491.1	2673.3	2851.7	3033.9	2859.2	2688.1	2513.4
82.5°	1007.6	1122.8	1234.4	1349.6	1531.8	1714.0	1892.5	2074.7	1881.3	1688.0	1490.9
85°	241.7	278.9	312.3	349.5	442.4	535.4	628.3	721.3	643.2	565.1	487.1
87.5°	29.7	33.5	33.5	37.2	33.5	33.5	29.7	26.0	29.7	29.7	33.5
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	896.0	899.8	899.8	903.5	903.5	903.5	903.5	899.8	899.8	899.8	903.5
5°	777.1	795.7	810.5	829.1	844.0	851.4	862.6	870.0	877.5	881.2	881.2
7.5°	728.7	721.3	710.1	702.7	691.6	706.4	725.0	739.9	754.8	758.5	762.2
10°	591.2	587.4	580.0	576.3	568.9	572.6	580.0	583.7	587.4	606.0	628.3
12.5°	528.0	531.7	535.4	539.1	542.8	531.7	520.5	505.6	494.5	513.1	531.7
15°	464.8	464.8	468.5	468.5	468.5	483.3	498.2	513.1	528.0	554.0	583.7
17.5°	520.5	513.1	505.6	494.5	487.1	490.8	490.8	494.5	494.5	509.4	520.5
20°	498.2	487.1	479.6	468.5	457.3	475.9	494.5	513.1	531.7	561.4	591.2
22.5°	487.1	509.4	528.0	550.3	568.9	557.7	546.5	531.7	520.5	520.5	520.5
25°	583.7	565.1	546.5	528.0	509.4	542.8	572.6	606.0	635.8	658.1	676.7
27.5°	565.1	580.0	594.9	606.0	620.9	639.5	658.1	676.7	695.3	728.7	758.5
30°	639.5	658.1	676.7	691.6	710.1	758.5	803.1	851.4	896.0	918.3	940.7
32.5°	687.8	725.0	758.5	795.7	829.1	855.1	881.2	907.2	933.2	955.5	981.6
35°	758.5	788.2	814.2	844.0	870.0	899.8	929.5	955.5	985.3	1007.6	1029.9
37.5°	788.2	821.7	855.1	884.9	918.3	955.5	989.0	1026.2	1059.6	1078.2	1093.1
40°	832.8	873.7	914.6	955.5	996.4	1033.6	1070.8	1108.0	1145.1	1160.0	1174.9
42.5°	903.5	948.1	992.7	1033.6	1078.2	1119.1	1156.3	1197.2	1234.4	1249.3	1264.1
45°	989.0	1033.6	1078.2	1122.8	1167.5	1212.1	1256.7	1301.3	1345.9	1364.5	1383.1
47.5°	1096.8	1141.4	1189.8	1234.4	1279.0	1334.8	1386.8	1442.6	1494.6	1509.5	1524.4
50°	1215.8	1260.4	1305.0	1349.6	1394.3	1464.9	1531.8	1602.5	1669.4	1676.8	1688.0
52.5°	1368.2	1412.8	1453.7	1498.4	1539.3	1617.3	1695.4	1769.8	1847.9	1851.6	1859.0
55°	1550.4	1591.3	1635.9	1676.8	1717.7	1803.2	1885.0	1970.5	2052.3	2052.3	2056.1
57.5°	1777.2	1821.8	1866.4	1907.3	1952.0	2033.8	2115.6	2193.6	2275.4	2271.7	2268.0
60°	2033.8	2074.7	2111.8	2152.7	2189.9	2268.0	2349.8	2427.9	2505.9	2498.5	2487.4
62.5°	2297.7	2342.3	2387.0	2427.9	2472.5	2535.7	2602.6	2665.8	2729.0	2714.2	2699.3
65°	2587.7	2632.4	2680.7	2725.3	2769.9	2818.3	2870.3	2918.6	2967.0	2952.1	2940.9
67.5°	2859.2	2911.2	2963.3	3011.6	3063.6	3100.8	3138.0	3171.5	3208.6	3190.1	3171.5
70°	3082.2	3126.9	3171.5	3216.1	3260.7	3297.9	3335.1	3372.2	3409.4	3390.8	3372.2
72.5°	3160.3	3212.4	3264.4	3312.8	3364.8	3409.4	3454.0	3498.7	3543.3	3532.1	3517.2
75°	3126.9	3164.0	3201.2	3238.4	3275.6	3309.0	3346.2	3379.7	3413.1	3394.5	3376.0
77.5°	2888.9	2885.2	2877.7	2874.0	2866.6	2866.6	2870.3	2870.3	2870.3	2848.0	2825.7
80°	2338.6	2271.7	2204.8	2137.9	2070.9	1992.9	1914.8	1836.7	1758.6	1684.3	1609.9
82.5°	1297.6	1145.1	996.4	844.0	691.6	628.3	561.4	498.2	431.3	401.5	368.1
85°	409.0	356.9	304.9	252.8	200.8	189.6	178.5	163.6	152.4	141.3	130.1
87.5°	33.5	29.7	29.7	26.0	22.3	18.6	18.6	14.9	11.2	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561277

CATALOG NUMBER: SDL-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	903.5	903.5	903.5	903.5	903.5	903.5	903.5	903.5	899.8	899.8	899.8
5°	884.9	884.9	884.9	884.9	884.9	884.9	884.9	881.2	881.2	877.5	870.0
7.5°	762.2	765.9	765.9	762.2	765.9	765.9	762.2	762.2	758.5	754.8	739.9
10°	646.9	665.5	665.5	665.5	665.5	665.5	646.9	628.3	606.0	587.4	583.7
12.5°	550.3	568.9	568.9	568.9	568.9	568.9	550.3	531.7	513.1	494.5	505.6
15°	609.8	635.8	635.8	635.8	635.8	635.8	609.8	583.7	554.0	528.0	513.1
17.5°	535.4	546.5	550.3	550.3	550.3	546.5	535.4	520.5	509.4	494.5	494.5
20°	617.2	646.9	650.7	654.4	650.7	646.9	617.2	591.2	561.4	531.7	513.1
22.5°	516.8	516.8	520.5	520.5	520.5	516.8	516.8	520.5	520.5	520.5	531.7
25°	699.0	717.6	717.6	713.9	717.6	717.6	699.0	676.7	658.1	635.8	606.0
27.5°	791.9	821.7	829.1	832.8	829.1	821.7	791.9	758.5	728.7	695.3	676.7
30°	963.0	985.3	985.3	985.3	985.3	985.3	963.0	940.7	918.3	896.0	851.4
32.5°	1003.9	1026.2	1026.2	1026.2	1026.2	1026.2	1003.9	981.6	955.5	933.2	907.2
35°	1048.5	1070.8	1074.5	1074.5	1074.5	1070.8	1048.5	1029.9	1007.6	985.3	955.5
37.5°	1111.7	1126.6	1130.3	1134.0	1130.3	1126.6	1111.7	1093.1	1078.2	1059.6	1026.2
40°	1186.0	1200.9	1200.9	1200.9	1200.9	1200.9	1186.0	1174.9	1160.0	1145.1	1108.0
42.5°	1279.0	1293.9	1297.6	1301.3	1297.6	1293.9	1279.0	1264.1	1249.3	1234.4	1197.2
45°	1398.0	1416.6	1420.3	1424.0	1420.3	1416.6	1398.0	1383.1	1364.5	1345.9	1301.3
47.5°	1539.3	1554.1	1554.1	1554.1	1554.1	1554.1	1539.3	1524.4	1509.5	1494.6	1442.6
50°	1695.4	1702.9	1706.6	1706.6	1706.6	1702.9	1695.4	1688.0	1676.8	1669.4	1602.5
52.5°	1862.7	1866.4	1866.4	1862.7	1866.4	1866.4	1862.7	1859.0	1851.6	1847.9	1769.8
55°	2056.1	2056.1	2052.3	2044.9	2052.3	2056.1	2056.1	2056.1	2052.3	2052.3	1970.5
57.5°	2264.3	2260.6	2260.6	2256.8	2260.6	2260.6	2264.3	2268.0	2271.7	2275.4	2193.6
60°	2479.9	2468.8	2465.0	2457.6	2465.0	2468.8	2479.9	2487.4	2498.5	2505.9	2427.9
62.5°	2684.4	2669.5	2669.5	2669.5	2669.5	2669.5	2684.4	2699.3	2714.2	2729.0	2665.8
65°	2926.1	2911.2	2903.8	2896.3	2903.8	2911.2	2926.1	2940.9	2952.1	2967.0	2918.6
67.5°	3152.9	3134.3	3126.9	3115.7	3126.9	3134.3	3152.9	3171.5	3190.1	3208.6	3171.5
70°	3349.9	3331.3	3327.6	3323.9	3327.6	3331.3	3349.9	3372.2	3390.8	3409.4	3372.2
72.5°	3506.1	3491.2	3487.5	3480.1	3487.5	3491.2	3506.1	3517.2	3532.1	3543.3	3498.7
75°	3357.4	3338.8	3327.6	3312.8	3327.6	3338.8	3357.4	3376.0	3394.5	3413.1	3379.7
77.5°	2803.4	2781.1	2773.6	2762.5	2773.6	2781.1	2803.4	2825.7	2848.0	2870.3	2870.3
80°	1535.5	1461.2	1442.6	1420.3	1442.6	1461.2	1535.5	1609.9	1684.3	1758.6	1836.7
82.5°	338.3	304.9	293.7	278.9	293.7	304.9	338.3	368.1	401.5	431.3	498.2
85°	115.3	104.1	96.7	89.2	96.7	104.1	115.3	130.1	141.3	152.4	163.6
87.5°	11.2	11.2	11.2	7.4	11.2	11.2	11.2	11.2	11.2	11.2	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



REPORT NUMBER: P561277

CATALOG NUMBER: SDL-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	903.5	903.5	903.5	903.5	899.8	899.8	896.0	896.0	892.3	892.3	888.6
5°	862.6	851.4	844.0	829.1	810.5	795.7	777.1	773.3	769.6	765.9	762.2
7.5°	725.0	706.4	691.6	702.7	710.1	721.3	728.7	732.4	736.2	736.2	739.9
10°	580.0	572.6	568.9	576.3	580.0	587.4	591.2	602.3	613.5	620.9	632.1
12.5°	520.5	531.7	542.8	539.1	535.4	531.7	528.0	535.4	542.8	550.3	557.7
15°	498.2	483.3	468.5	468.5	468.5	464.8	464.8	468.5	475.9	479.6	483.3
17.5°	490.8	490.8	487.1	494.5	505.6	513.1	520.5	501.9	483.3	461.0	442.4
20°	494.5	475.9	457.3	468.5	479.6	487.1	498.2	513.1	524.2	539.1	550.3
22.5°	546.5	557.7	568.9	550.3	528.0	509.4	487.1	505.6	528.0	546.5	565.1
25°	572.6	542.8	509.4	528.0	546.5	565.1	583.7	568.9	554.0	539.1	524.2
27.5°	658.1	639.5	620.9	606.0	594.9	580.0	565.1	583.7	602.3	620.9	639.5
30°	803.1	758.5	710.1	691.6	676.7	658.1	639.5	632.1	624.6	613.5	606.0
32.5°	881.2	855.1	829.1	795.7	758.5	725.0	687.8	687.8	687.8	684.1	684.1
35°	929.5	899.8	870.0	844.0	814.2	788.2	758.5	751.0	743.6	736.2	728.7
37.5°	989.0	955.5	918.3	884.9	855.1	821.7	788.2	788.2	788.2	788.2	788.2
40°	1070.8	1033.6	996.4	955.5	914.6	873.7	832.8	836.6	844.0	847.7	851.4
42.5°	1156.3	1119.1	1078.2	1033.6	992.7	948.1	903.5	907.2	914.6	918.3	922.1
45°	1256.7	1212.1	1167.5	1122.8	1078.2	1033.6	989.0	996.4	1000.1	1007.6	1011.3
47.5°	1386.8	1334.8	1279.0	1234.4	1189.8	1141.4	1096.8	1108.0	1115.4	1126.6	1134.0
50°	1531.8	1464.9	1394.3	1349.6	1305.0	1260.4	1215.8	1230.7	1245.5	1260.4	1275.3
52.5°	1695.4	1617.3	1539.3	1498.4	1453.7	1412.8	1368.2	1383.1	1401.7	1416.6	1431.4
55°	1885.0	1803.2	1717.7	1676.8	1635.9	1591.3	1550.4	1572.7	1595.0	1617.3	1639.6
57.5°	2115.6	2033.8	1952.0	1907.3	1866.4	1821.8	1777.2	1807.0	1840.4	1870.2	1899.9
60°	2349.8	2268.0	2189.9	2152.7	2111.8	2074.7	2033.8	2070.9	2111.8	2149.0	2186.2
62.5°	2602.6	2535.7	2472.5	2427.9	2387.0	2342.3	2297.7	2353.5	2409.3	2465.0	2520.8
65°	2870.3	2818.3	2769.9	2725.3	2680.7	2632.4	2587.7	2654.7	2721.6	2788.5	2855.4
67.5°	3138.0	3100.8	3063.6	3011.6	2963.3	2911.2	2859.2	2929.8	2996.7	3067.4	3134.3
70°	3335.1	3297.9	3260.7	3216.1	3171.5	3126.9	3082.2	3145.4	3208.6	3271.9	3335.1
72.5°	3454.0	3409.4	3364.8	3312.8	3264.4	3212.4	3160.3	3238.4	3320.2	3398.3	3476.3
75°	3346.2	3309.0	3275.6	3238.4	3201.2	3164.0	3126.9	3234.7	3338.8	3446.6	3550.7
77.5°	2870.3	2866.6	2866.6	2874.0	2877.7	2885.2	2888.9	3041.3	3190.1	3342.5	3491.2
80°	1914.8	1992.9	2070.9	2137.9	2204.8	2271.7	2338.6	2513.4	2688.1	2859.2	3033.9
82.5°	561.4	628.3	691.6	844.0	996.4	1145.1	1297.6	1490.9	1688.0	1881.3	2074.7
85°	178.5	189.6	200.8	252.8	304.9	356.9	409.0	487.1	565.1	643.2	721.3
87.5°	18.6	18.6	22.3	26.0	29.7	29.7	33.5	33.5	29.7	29.7	26.0
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-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	884.9	881.2	877.5	873.7	870.0	866.3	858.9	855.1	844.0	832.8	821.7
5°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
7.5°	739.9	743.6	743.6	743.6	739.9	736.2	732.4	728.7	725.0	725.0	721.3
10°	632.1	632.1	628.3	628.3	646.9	669.2	687.8	706.4	713.9	721.3	725.0
12.5°	583.7	609.8	632.1	658.1	673.0	691.6	706.4	721.3	717.6	713.9	710.1
15°	498.2	509.4	524.2	535.4	557.7	580.0	598.6	620.9	646.9	676.7	702.7
17.5°	479.6	516.8	554.0	591.2	609.8	632.1	650.7	669.2	676.7	687.8	695.3
20°	554.0	554.0	557.7	557.7	557.7	554.0	554.0	550.3	594.9	643.2	687.8
22.5°	557.7	550.3	542.8	535.4	568.9	598.6	632.1	661.8	658.1	654.4	650.7
25°	554.0	587.4	617.2	646.9	635.8	628.3	617.2	606.0	646.9	684.1	725.0
27.5°	628.3	620.9	609.8	598.6	620.9	646.9	669.2	691.6	684.1	676.7	665.5
30°	624.6	639.5	658.1	673.0	669.2	669.2	665.5	661.8	702.7	739.9	780.8
32.5°	684.1	687.8	687.8	687.8	713.9	736.2	762.2	784.5	803.1	825.4	844.0
35°	736.2	743.6	747.3	754.8	788.2	821.7	851.4	884.9	922.1	959.2	996.4
37.5°	791.9	799.4	803.1	806.8	844.0	877.5	914.6	948.1	989.0	1029.9	1067.1
40°	858.9	870.0	877.5	884.9	918.3	951.8	985.3	1018.7	1063.4	1108.0	1148.9
42.5°	936.9	948.1	963.0	974.1	1011.3	1044.8	1081.9	1115.4	1160.0	1200.9	1245.5
45°	1026.2	1041.0	1052.2	1067.1	1115.4	1160.0	1208.4	1253.0	1293.9	1331.0	1371.9
47.5°	1145.1	1152.6	1163.7	1171.2	1223.2	1275.3	1323.6	1375.7	1416.6	1457.5	1494.6
50°	1279.0	1279.0	1282.7	1282.7	1349.6	1412.8	1479.8	1543.0	1580.2	1621.1	1658.2
52.5°	1438.9	1446.3	1450.0	1457.5	1524.4	1587.6	1654.5	1717.7	1754.9	1795.8	1833.0
55°	1643.4	1647.1	1647.1	1650.8	1717.7	1784.6	1851.6	1918.5	1955.7	1992.9	2030.0
57.5°	1899.9	1896.2	1896.2	1892.5	1959.4	2026.3	2089.5	2156.4	2193.6	2230.8	2268.0
60°	2175.0	2163.9	2149.0	2137.9	2212.2	2290.3	2364.7	2439.0	2472.5	2505.9	2539.4
62.5°	2498.5	2479.9	2457.6	2435.3	2513.4	2587.7	2665.8	2740.2	2766.2	2788.5	2814.5
65°	2814.5	2773.6	2729.0	2688.1	2777.4	2866.6	2955.8	3045.1	3063.6	3082.2	3097.1
67.5°	3086.0	3037.6	2989.3	2940.9	3045.1	3149.2	3249.5	3353.6	3361.1	3368.5	3376.0
70°	3286.7	3238.4	3190.1	3141.7	3268.1	3394.5	3521.0	3647.4	3651.1	3654.8	3658.5
72.5°	3428.0	3379.7	3327.6	3279.3	3409.4	3535.8	3666.0	3792.4	3803.5	3811.0	3822.1
75°	3480.1	3409.4	3338.8	3268.1	3383.4	3494.9	3610.2	3721.7	3710.6	3699.4	3684.6
77.5°	3364.8	3238.4	3112.0	2985.6	3041.3	3097.1	3149.2	3204.9	3145.4	3082.2	3022.7
80°	2851.7	2673.3	2491.1	2308.9	2271.7	2234.5	2193.6	2156.4	2044.9	1933.4	1818.1
82.5°	1892.5	1714.0	1531.8	1349.6	1234.4	1122.8	1007.6	892.3	791.9	691.6	587.4
85°	628.3	535.4	442.4	349.5	312.3	278.9	241.7	204.5	189.6	174.7	159.9
87.5°	29.7	33.5	33.5	37.2	33.5	33.5	29.7	26.0	22.3	22.3	18.6
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-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	810.5	810.5	814.2	814.2	814.2	814.2	810.5	814.2	814.2	814.2	814.2
5°	762.2	762.2	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
7.5°	717.6	706.4	691.6	680.4	665.5	661.8	654.4	661.8	665.5	680.4	691.6
10°	732.4	732.4	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2
12.5°	706.4	691.6	673.0	658.1	639.5	643.2	646.9	643.2	639.5	658.1	673.0
15°	728.7	732.4	736.2	739.9	743.6	743.6	743.6	743.6	743.6	739.9	736.2
17.5°	702.7	687.8	669.2	654.4	635.8	635.8	632.1	635.8	635.8	654.4	669.2
20°	732.4	739.9	747.3	751.0	758.5	758.5	758.5	758.5	758.5	751.0	747.3
22.5°	646.9	646.9	646.9	643.2	643.2	643.2	643.2	643.2	643.2	643.2	646.9
25°	762.2	769.6	777.1	780.8	788.2	788.2	784.5	788.2	788.2	780.8	777.1
27.5°	658.1	661.8	669.2	673.0	676.7	676.7	676.7	676.7	676.7	673.0	669.2
30°	818.0	821.7	825.4	825.4	829.1	829.1	829.1	829.1	829.1	825.4	825.4
32.5°	862.6	896.0	933.2	966.7	1000.1	1003.9	1007.6	1003.9	1000.1	966.7	933.2
35°	1033.6	1041.0	1052.2	1059.6	1067.1	1070.8	1070.8	1070.8	1067.1	1059.6	1052.2
37.5°	1108.0	1115.4	1119.1	1126.6	1130.3	1134.0	1134.0	1134.0	1130.3	1126.6	1119.1
40°	1193.5	1200.9	1204.6	1212.1	1215.8	1215.8	1212.1	1215.8	1215.8	1212.1	1204.6
42.5°	1286.4	1290.2	1297.6	1301.3	1305.0	1308.7	1308.7	1308.7	1305.0	1301.3	1297.6
45°	1409.1	1412.8	1416.6	1416.6	1420.3	1424.0	1424.0	1424.0	1420.3	1416.6	1416.6
47.5°	1535.5	1543.0	1546.7	1554.1	1557.8	1561.6	1565.3	1561.6	1557.8	1554.1	1546.7
50°	1695.4	1699.1	1706.6	1710.3	1714.0	1714.0	1714.0	1714.0	1714.0	1710.3	1706.6
52.5°	1870.2	1873.9	1873.9	1877.6	1877.6	1877.6	1873.9	1877.6	1877.6	1877.6	1873.9
55°	2067.2	2067.2	2067.2	2063.5	2063.5	2063.5	2063.5	2063.5	2063.5	2063.5	2067.2
57.5°	2305.2	2305.2	2305.2	2305.2	2305.2	2294.0	2279.1	2294.0	2305.2	2305.2	2305.2
60°	2572.9	2565.4	2554.3	2546.8	2535.7	2532.0	2528.2	2532.0	2535.7	2546.8	2554.3
62.5°	2836.8	2825.7	2810.8	2799.7	2784.8	2781.1	2773.6	2781.1	2784.8	2799.7	2810.8
65°	3115.7	3097.1	3078.5	3056.2	3037.6	3033.9	3026.5	3033.9	3037.6	3056.2	3078.5
67.5°	3383.4	3364.8	3346.2	3323.9	3305.3	3301.6	3294.2	3301.6	3305.3	3323.9	3346.2
70°	3662.2	3643.7	3625.1	3602.8	3584.2	3584.2	3580.4	3584.2	3584.2	3602.8	3625.1
72.5°	3829.6	3811.0	3796.1	3777.5	3758.9	3747.8	3736.6	3747.8	3758.9	3777.5	3796.1
75°	3673.4	3643.7	3613.9	3580.4	3550.7	3543.3	3535.8	3543.3	3550.7	3580.4	3613.9
77.5°	2959.5	2929.8	2896.3	2866.6	2833.1	2803.4	2769.9	2803.4	2833.1	2866.6	2896.3
80°	1706.6	1632.2	1557.8	1483.5	1409.1	1390.5	1371.9	1390.5	1409.1	1483.5	1557.8
82.5°	487.1	449.9	409.0	371.8	330.9	330.9	330.9	330.9	330.9	371.8	409.0
85°	145.0	126.4	111.5	93.0	74.4	70.6	66.9	70.6	74.4	93.0	111.5
87.5°	14.9	14.9	14.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	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



REPORT NUMBER: P561277

CATALOG NUMBER: SDL-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	810.5	810.5	821.7	832.8	844.0	855.1	858.9	866.3	870.0	873.7	877.5
5°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2
7.5°	706.4	717.6	721.3	725.0	725.0	728.7	732.4	736.2	739.9	743.6	743.6
10°	732.4	732.4	725.0	721.3	713.9	706.4	687.8	669.2	646.9	628.3	628.3
12.5°	691.6	706.4	710.1	713.9	717.6	721.3	706.4	691.6	673.0	658.1	632.1
15°	732.4	728.7	702.7	676.7	646.9	620.9	598.6	580.0	557.7	535.4	524.2
17.5°	687.8	702.7	695.3	687.8	676.7	669.2	650.7	632.1	609.8	591.2	554.0
20°	739.9	732.4	687.8	643.2	594.9	550.3	554.0	554.0	557.7	557.7	557.7
22.5°	646.9	646.9	650.7	654.4	658.1	661.8	632.1	598.6	568.9	535.4	542.8
25°	769.6	762.2	725.0	684.1	646.9	606.0	617.2	628.3	635.8	646.9	617.2
27.5°	661.8	658.1	665.5	676.7	684.1	691.6	669.2	646.9	620.9	598.6	609.8
30°	821.7	818.0	780.8	739.9	702.7	661.8	665.5	669.2	669.2	673.0	658.1
32.5°	896.0	862.6	844.0	825.4	803.1	784.5	762.2	736.2	713.9	687.8	687.8
35°	1041.0	1033.6	996.4	959.2	922.1	884.9	851.4	821.7	788.2	754.8	747.3
37.5°	1115.4	1108.0	1067.1	1029.9	989.0	948.1	914.6	877.5	844.0	806.8	803.1
40°	1200.9	1193.5	1148.9	1108.0	1063.4	1018.7	985.3	951.8	918.3	884.9	877.5
42.5°	1290.2	1286.4	1245.5	1200.9	1160.0	1115.4	1081.9	1044.8	1011.3	974.1	963.0
45°	1412.8	1409.1	1371.9	1331.0	1293.9	1253.0	1208.4	1160.0	1115.4	1067.1	1052.2
47.5°	1543.0	1535.5	1494.6	1457.5	1416.6	1375.7	1323.6	1275.3	1223.2	1171.2	1163.7
50°	1699.1	1695.4	1658.2	1621.1	1580.2	1543.0	1479.8	1412.8	1349.6	1282.7	1282.7
52.5°	1873.9	1870.2	1833.0	1795.8	1754.9	1717.7	1654.5	1587.6	1524.4	1457.5	1450.0
55°	2067.2	2067.2	2030.0	1992.9	1955.7	1918.5	1851.6	1784.6	1717.7	1650.8	1647.1
57.5°	2305.2	2305.2	2268.0	2230.8	2193.6	2156.4	2089.5	2026.3	1959.4	1892.5	1896.2
60°	2565.4	2572.9	2539.4	2505.9	2472.5	2439.0	2364.7	2290.3	2212.2	2137.9	2149.0
62.5°	2825.7	2836.8	2814.5	2788.5	2766.2	2740.2	2665.8	2587.7	2513.4	2435.3	2457.6
65°	3097.1	3115.7	3097.1	3082.2	3063.6	3045.1	2955.8	2866.6	2777.4	2688.1	2729.0
67.5°	3364.8	3383.4	3376.0	3368.5	3361.1	3353.6	3249.5	3149.2	3045.1	2940.9	2989.3
70°	3643.7	3662.2	3658.5	3654.8	3651.1	3647.4	3521.0	3394.5	3268.1	3141.7	3190.1
72.5°	3811.0	3829.6	3822.1	3811.0	3803.5	3792.4	3666.0	3535.8	3409.4	3279.3	3327.6
75°	3643.7	3673.4	3684.6	3699.4	3710.6	3721.7	3610.2	3494.9	3383.4	3268.1	3338.8
77.5°	2929.8	2959.5	3022.7	3082.2	3145.4	3204.9	3149.2	3097.1	3041.3	2985.6	3112.0
80°	1632.2	1706.6	1818.1	1933.4	2044.9	2156.4	2193.6	2234.5	2271.7	2308.9	2491.1
82.5°	449.9	487.1	587.4	691.6	791.9	892.3	1007.6	1122.8	1234.4	1349.6	1531.8
85°	126.4	145.0	159.9	174.7	189.6	204.5	241.7	278.9	312.3	349.5	442.4
87.5°	14.9	14.9	18.6	22.3	22.3	26.0	29.7	33.5	33.5	37.2	33.5
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: SDL-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	881.2	884.9	888.6	892.3	892.3	896.0	896.0	899.8	899.8	903.5	903.5
5°	762.2	762.2	762.2	765.9	769.6	773.3	777.1	795.7	810.5	829.1	844.0
7.5°	743.6	739.9	739.9	736.2	736.2	732.4	728.7	721.3	710.1	702.7	691.6
10°	632.1	632.1	632.1	620.9	613.5	602.3	591.2	587.4	580.0	576.3	568.9
12.5°	609.8	583.7	557.7	550.3	542.8	535.4	528.0	531.7	535.4	539.1	542.8
15°	509.4	498.2	483.3	479.6	475.9	468.5	464.8	464.8	468.5	468.5	468.5
17.5°	516.8	479.6	442.4	461.0	483.3	501.9	520.5	513.1	505.6	494.5	487.1
20°	554.0	554.0	550.3	539.1	524.2	513.1	498.2	487.1	479.6	468.5	457.3
22.5°	550.3	557.7	565.1	546.5	528.0	505.6	487.1	509.4	528.0	550.3	568.9
25°	587.4	554.0	524.2	539.1	554.0	568.9	583.7	565.1	546.5	528.0	509.4
27.5°	620.9	628.3	639.5	620.9	602.3	583.7	565.1	580.0	594.9	606.0	620.9
30°	639.5	624.6	606.0	613.5	624.6	632.1	639.5	658.1	676.7	691.6	710.1
32.5°	687.8	684.1	684.1	684.1	687.8	687.8	687.8	725.0	758.5	795.7	829.1
35°	743.6	736.2	728.7	736.2	743.6	751.0	758.5	788.2	814.2	844.0	870.0
37.5°	799.4	791.9	788.2	788.2	788.2	788.2	788.2	821.7	855.1	884.9	918.3
40°	870.0	858.9	851.4	847.7	844.0	836.6	832.8	873.7	914.6	955.5	996.4
42.5°	948.1	936.9	922.1	918.3	914.6	907.2	903.5	948.1	992.7	1033.6	1078.2
45°	1041.0	1026.2	1011.3	1007.6	1000.1	996.4	989.0	1033.6	1078.2	1122.8	1167.5
47.5°	1152.6	1145.1	1134.0	1126.6	1115.4	1108.0	1096.8	1141.4	1189.8	1234.4	1279.0
50°	1279.0	1279.0	1275.3	1260.4	1245.5	1230.7	1215.8	1260.4	1305.0	1349.6	1394.3
52.5°	1446.3	1438.9	1431.4	1416.6	1401.7	1383.1	1368.2	1412.8	1453.7	1498.4	1539.3
55°	1647.1	1643.4	1639.6	1617.3	1595.0	1572.7	1550.4	1591.3	1635.9	1676.8	1717.7
57.5°	1896.2	1899.9	1899.9	1870.2	1840.4	1807.0	1777.2	1821.8	1866.4	1907.3	1952.0
60°	2163.9	2175.0	2186.2	2149.0	2111.8	2070.9	2033.8	2074.7	2111.8	2152.7	2189.9
62.5°	2479.9	2498.5	2520.8	2465.0	2409.3	2353.5	2297.7	2342.3	2387.0	2427.9	2472.5
65°	2773.6	2814.5	2855.4	2788.5	2721.6	2654.7	2587.7	2632.4	2680.7	2725.3	2769.9
67.5°	3037.6	3086.0	3134.3	3067.4	2996.7	2929.8	2859.2	2911.2	2963.3	3011.6	3063.6
70°	3238.4	3286.7	3335.1	3271.9	3208.6	3145.4	3082.2	3126.9	3171.5	3216.1	3260.7
72.5°	3379.7	3428.0	3476.3	3398.3	3320.2	3238.4	3160.3	3212.4	3264.4	3312.8	3364.8
75°	3409.4	3480.1	3550.7	3446.6	3338.8	3234.7	3126.9	3164.0	3201.2	3238.4	3275.6
77.5°	3238.4	3364.8	3491.2	3342.5	3190.1	3041.3	2888.9	2885.2	2877.7	2874.0	2866.6
80°	2673.3	2851.7	3033.9	2859.2	2688.1	2513.4	2338.6	2271.7	2204.8	2137.9	2070.9
82.5°	1714.0	1892.5	2074.7	1881.3	1688.0	1490.9	1297.6	1145.1	996.4	844.0	691.6
85°	535.4	628.3	721.3	643.2	565.1	487.1	409.0	356.9	304.9	252.8	200.8
87.5°	33.5	29.7	26.0	29.7	29.7	33.5	33.5	29.7	29.7	26.0	22.3
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-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	903.5	903.5	899.8	899.8	899.8	903.5	903.5	903.5	903.5	903.5	903.5
5°	851.4	862.6	870.0	877.5	881.2	881.2	884.9	884.9	884.9	884.9	884.9
7.5°	706.4	725.0	739.9	754.8	758.5	762.2	762.2	765.9	765.9	762.2	765.9
10°	572.6	580.0	583.7	587.4	606.0	628.3	646.9	665.5	665.5	665.5	665.5
12.5°	531.7	520.5	505.6	494.5	513.1	531.7	550.3	568.9	568.9	568.9	568.9
15°	483.3	498.2	513.1	528.0	554.0	583.7	609.8	635.8	635.8	635.8	635.8
17.5°	490.8	490.8	494.5	494.5	509.4	520.5	535.4	546.5	550.3	550.3	550.3
20°	475.9	494.5	513.1	531.7	561.4	591.2	617.2	646.9	650.7	654.4	650.7
22.5°	557.7	546.5	531.7	520.5	520.5	520.5	516.8	516.8	520.5	520.5	520.5
25°	542.8	572.6	606.0	635.8	658.1	676.7	699.0	717.6	717.6	713.9	717.6
27.5°	639.5	658.1	676.7	695.3	728.7	758.5	791.9	821.7	829.1	832.8	829.1
30°	758.5	803.1	851.4	896.0	918.3	940.7	963.0	985.3	985.3	985.3	985.3
32.5°	855.1	881.2	907.2	933.2	955.5	981.6	1003.9	1026.2	1026.2	1026.2	1026.2
35°	899.8	929.5	955.5	985.3	1007.6	1029.9	1048.5	1070.8	1074.5	1074.5	1074.5
37.5°	955.5	989.0	1026.2	1059.6	1078.2	1093.1	1111.7	1126.6	1130.3	1134.0	1130.3
40°	1033.6	1070.8	1108.0	1145.1	1160.0	1174.9	1186.0	1200.9	1200.9	1200.9	1200.9
42.5°	1119.1	1156.3	1197.2	1234.4	1249.3	1264.1	1279.0	1293.9	1297.6	1301.3	1297.6
45°	1212.1	1256.7	1301.3	1345.9	1364.5	1383.1	1398.0	1416.6	1420.3	1424.0	1420.3
47.5°	1334.8	1386.8	1442.6	1494.6	1509.5	1524.4	1539.3	1554.1	1554.1	1554.1	1554.1
50°	1464.9	1531.8	1602.5	1669.4	1676.8	1688.0	1695.4	1702.9	1706.6	1706.6	1706.6
52.5°	1617.3	1695.4	1769.8	1847.9	1851.6	1859.0	1862.7	1866.4	1866.4	1862.7	1866.4
55°	1803.2	1885.0	1970.5	2052.3	2052.3	2056.1	2056.1	2056.1	2052.3	2044.9	2052.3
57.5°	2033.8	2115.6	2193.6	2275.4	2271.7	2268.0	2264.3	2260.6	2260.6	2256.8	2260.6
60°	2268.0	2349.8	2427.9	2505.9	2498.5	2487.4	2479.9	2468.8	2465.0	2457.6	2465.0
62.5°	2535.7	2602.6	2665.8	2729.0	2714.2	2699.3	2684.4	2669.5	2669.5	2669.5	2669.5
65°	2818.3	2870.3	2918.6	2967.0	2952.1	2940.9	2926.1	2911.2	2903.8	2896.3	2903.8
67.5°	3100.8	3138.0	3171.5	3208.6	3190.1	3171.5	3152.9	3134.3	3126.9	3115.7	3126.9
70°	3297.9	3335.1	3372.2	3409.4	3390.8	3372.2	3349.9	3331.3	3327.6	3323.9	3327.6
72.5°	3409.4	3454.0	3498.7	3543.3	3532.1	3517.2	3506.1	3491.2	3487.5	3480.1	3487.5
75°	3309.0	3346.2	3379.7	3413.1	3394.5	3376.0	3357.4	3338.8	3327.6	3312.8	3327.6
77.5°	2866.6	2870.3	2870.3	2870.3	2848.0	2825.7	2803.4	2781.1	2773.6	2762.5	2773.6
80°	1992.9	1914.8	1836.7	1758.6	1684.3	1609.9	1535.5	1461.2	1442.6	1420.3	1442.6
82.5°	628.3	561.4	498.2	431.3	401.5	368.1	338.3	304.9	293.7	278.9	293.7
85°	189.6	178.5	163.6	152.4	141.3	130.1	115.3	104.1	96.7	89.2	96.7
87.5°	18.6	18.6	14.9	11.2	11.2	11.2	11.2	11.2	11.2	7.4	11.2
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: SDL-PA1-90-750-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	903.5	903.5	903.5	899.8	899.8	899.8	903.5	903.5	903.5	903.5	899.8
5°	884.9	884.9	881.2	881.2	877.5	870.0	862.6	851.4	844.0	829.1	810.5
7.5°	765.9	762.2	762.2	758.5	754.8	739.9	725.0	706.4	691.6	702.7	710.1
10°	665.5	646.9	628.3	606.0	587.4	583.7	580.0	572.6	568.9	576.3	580.0
12.5°	568.9	550.3	531.7	513.1	494.5	505.6	520.5	531.7	542.8	539.1	535.4
15°	635.8	609.8	583.7	554.0	528.0	513.1	498.2	483.3	468.5	468.5	468.5
17.5°	546.5	535.4	520.5	509.4	494.5	494.5	490.8	490.8	487.1	494.5	505.6
20°	646.9	617.2	591.2	561.4	531.7	513.1	494.5	475.9	457.3	468.5	479.6
22.5°	516.8	516.8	520.5	520.5	520.5	531.7	546.5	557.7	568.9	550.3	528.0
25°	717.6	699.0	676.7	658.1	635.8	606.0	572.6	542.8	509.4	528.0	546.5
27.5°	821.7	791.9	758.5	728.7	695.3	676.7	658.1	639.5	620.9	606.0	594.9
30°	985.3	963.0	940.7	918.3	896.0	851.4	803.1	758.5	710.1	691.6	676.7
32.5°	1026.2	1003.9	981.6	955.5	933.2	907.2	881.2	855.1	829.1	795.7	758.5
35°	1070.8	1048.5	1029.9	1007.6	985.3	955.5	929.5	899.8	870.0	844.0	814.2
37.5°	1126.6	1111.7	1093.1	1078.2	1059.6	1026.2	989.0	955.5	918.3	884.9	855.1
40°	1200.9	1186.0	1174.9	1160.0	1145.1	1108.0	1070.8	1033.6	996.4	955.5	914.6
42.5°	1293.9	1279.0	1264.1	1249.3	1234.4	1197.2	1156.3	1119.1	1078.2	1033.6	992.7
45°	1416.6	1398.0	1383.1	1364.5	1345.9	1301.3	1256.7	1212.1	1167.5	1122.8	1078.2
47.5°	1554.1	1539.3	1524.4	1509.5	1494.6	1442.6	1386.8	1334.8	1279.0	1234.4	1189.8
50°	1702.9	1695.4	1688.0	1676.8	1669.4	1602.5	1531.8	1464.9	1394.3	1349.6	1305.0
52.5°	1866.4	1862.7	1859.0	1851.6	1847.9	1769.8	1695.4	1617.3	1539.3	1498.4	1453.7
55°	2056.1	2056.1	2056.1	2052.3	2052.3	1970.5	1885.0	1803.2	1717.7	1676.8	1635.9
57.5°	2260.6	2264.3	2268.0	2271.7	2275.4	2193.6	2115.6	2033.8	1952.0	1907.3	1866.4
60°	2468.8	2479.9	2487.4	2498.5	2505.9	2427.9	2349.8	2268.0	2189.9	2152.7	2111.8
62.5°	2669.5	2684.4	2699.3	2714.2	2729.0	2665.8	2602.6	2535.7	2472.5	2427.9	2387.0
65°	2911.2	2926.1	2940.9	2952.1	2967.0	2918.6	2870.3	2818.3	2769.9	2725.3	2680.7
67.5°	3134.3	3152.9	3171.5	3190.1	3208.6	3171.5	3138.0	3100.8	3063.6	3011.6	2963.3
70°	3331.3	3349.9	3372.2	3390.8	3409.4	3372.2	3335.1	3297.9	3260.7	3216.1	3171.5
72.5°	3491.2	3506.1	3517.2	3532.1	3543.3	3498.7	3454.0	3409.4	3364.8	3312.8	3264.4
75°	3338.8	3357.4	3376.0	3394.5	3413.1	3379.7	3346.2	3309.0	3275.6	3238.4	3201.2
77.5°	2781.1	2803.4	2825.7	2848.0	2870.3	2870.3	2870.3	2866.6	2866.6	2874.0	2877.7
80°	1461.2	1535.5	1609.9	1684.3	1758.6	1836.7	1914.8	1992.9	2070.9	2137.9	2204.8
82.5°	304.9	338.3	368.1	401.5	431.3	498.2	561.4	628.3	691.6	844.0	996.4
85°	104.1	115.3	130.1	141.3	152.4	163.6	178.5	189.6	200.8	252.8	304.9
87.5°	11.2	11.2	11.2	11.2	11.2	14.9	18.6	18.6	22.3	26.0	29.7
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°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	899.8	896.0	896.0	892.3	892.3	888.6	884.9	881.2	877.5	873.7	870.0
5°	795.7	777.1	773.3	769.6	765.9	762.2	762.2	762.2	762.2	762.2	762.2
7.5°	721.3	728.7	732.4	736.2	736.2	739.9	739.9	743.6	743.6	743.6	739.9
10°	587.4	591.2	602.3	613.5	620.9	632.1	632.1	632.1	628.3	628.3	646.9
12.5°	531.7	528.0	535.4	542.8	550.3	557.7	583.7	609.8	632.1	658.1	673.0
15°	464.8	464.8	468.5	475.9	479.6	483.3	498.2	509.4	524.2	535.4	557.7
17.5°	513.1	520.5	501.9	483.3	461.0	442.4	479.6	516.8	554.0	591.2	609.8
20°	487.1	498.2	513.1	524.2	539.1	550.3	554.0	554.0	557.7	557.7	557.7
22.5°	509.4	487.1	505.6	528.0	546.5	565.1	557.7	550.3	542.8	535.4	568.9
25°	565.1	583.7	568.9	554.0	539.1	524.2	554.0	587.4	617.2	646.9	635.8
27.5°	580.0	565.1	583.7	602.3	620.9	639.5	628.3	620.9	609.8	598.6	620.9
30°	658.1	639.5	632.1	624.6	613.5	606.0	624.6	639.5	658.1	673.0	669.2
32.5°	725.0	687.8	687.8	687.8	684.1	684.1	684.1	687.8	687.8	687.8	713.9
35°	788.2	758.5	751.0	743.6	736.2	728.7	736.2	743.6	747.3	754.8	788.2
37.5°	821.7	788.2	788.2	788.2	788.2	788.2	791.9	799.4	803.1	806.8	844.0
40°	873.7	832.8	836.6	844.0	847.7	851.4	858.9	870.0	877.5	884.9	918.3
42.5°	948.1	903.5	907.2	914.6	918.3	922.1	936.9	948.1	963.0	974.1	1011.3
45°	1033.6	989.0	996.4	1000.1	1007.6	1011.3	1026.2	1041.0	1052.2	1067.1	1115.4
47.5°	1141.4	1096.8	1108.0	1115.4	1126.6	1134.0	1145.1	1152.6	1163.7	1171.2	1223.2
50°	1260.4	1215.8	1230.7	1245.5	1260.4	1275.3	1279.0	1279.0	1282.7	1282.7	1349.6
52.5°	1412.8	1368.2	1383.1	1401.7	1416.6	1431.4	1438.9	1446.3	1450.0	1457.5	1524.4
55°	1591.3	1550.4	1572.7	1595.0	1617.3	1639.6	1643.4	1647.1	1647.1	1650.8	1717.7
57.5°	1821.8	1777.2	1807.0	1840.4	1870.2	1899.9	1899.9	1896.2	1896.2	1892.5	1959.4
60°	2074.7	2033.8	2070.9	2111.8	2149.0	2186.2	2175.0	2163.9	2149.0	2137.9	2212.2
62.5°	2342.3	2297.7	2353.5	2409.3	2465.0	2520.8	2498.5	2479.9	2457.6	2435.3	2513.4
65°	2632.4	2587.7	2654.7	2721.6	2788.5	2855.4	2814.5	2773.6	2729.0	2688.1	2777.4
67.5°	2911.2	2859.2	2929.8	2996.7	3067.4	3134.3	3086.0	3037.6	2989.3	2940.9	3045.1
70°	3126.9	3082.2	3145.4	3208.6	3271.9	3335.1	3286.7	3238.4	3190.1	3141.7	3268.1
72.5°	3212.4	3160.3	3238.4	3320.2	3398.3	3476.3	3428.0	3379.7	3327.6	3279.3	3409.4
75°	3164.0	3126.9	3234.7	3338.8	3446.6	3550.7	3480.1	3409.4	3338.8	3268.1	3383.4
77.5°	2885.2	2888.9	3041.3	3190.1	3342.5	3491.2	3364.8	3238.4	3112.0	2985.6	3041.3
80°	2271.7	2338.6	2513.4	2688.1	2859.2	3033.9	2851.7	2673.3	2491.1	2308.9	2271.7
82.5°	1145.1	1297.6	1490.9	1688.0	1881.3	2074.7	1892.5	1714.0	1531.8	1349.6	1234.4
85°	356.9	409.0	487.1	565.1	643.2	721.3	628.3	535.4	442.4	349.5	312.3
87.5°	29.7	33.5	33.5	29.7	29.7	26.0	29.7	33.5	33.5	37.2	33.5
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):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6	914.6
2.5°	866.3	858.9	855.1	844.0	832.8	821.7	810.5	810.5	814.2	814.2	814.2
5°	762.2	762.2	762.2	762.2	762.2	762.2	762.2	762.2	765.9	765.9	765.9
7.5°	736.2	732.4	728.7	725.0	725.0	721.3	717.6	706.4	691.6	680.4	665.5
10°	669.2	687.8	706.4	713.9	721.3	725.0	732.4	732.4	736.2	736.2	736.2
12.5°	691.6	706.4	721.3	717.6	713.9	710.1	706.4	691.6	673.0	658.1	639.5
15°	580.0	598.6	620.9	646.9	676.7	702.7	728.7	732.4	736.2	739.9	743.6
17.5°	632.1	650.7	669.2	676.7	687.8	695.3	702.7	687.8	669.2	654.4	635.8
20°	554.0	554.0	550.3	594.9	643.2	687.8	732.4	739.9	747.3	751.0	758.5
22.5°	598.6	632.1	661.8	658.1	654.4	650.7	646.9	646.9	646.9	643.2	643.2
25°	628.3	617.2	606.0	646.9	684.1	725.0	762.2	769.6	777.1	780.8	788.2
27.5°	646.9	669.2	691.6	684.1	676.7	665.5	658.1	661.8	669.2	673.0	676.7
30°	669.2	665.5	661.8	702.7	739.9	780.8	818.0	821.7	825.4	825.4	829.1
32.5°	736.2	762.2	784.5	803.1	825.4	844.0	862.6	896.0	933.2	966.7	1000.1
35°	821.7	851.4	884.9	922.1	959.2	996.4	1033.6	1041.0	1052.2	1059.6	1067.1
37.5°	877.5	914.6	948.1	989.0	1029.9	1067.1	1108.0	1115.4	1119.1	1126.6	1130.3
40°	951.8	985.3	1018.7	1063.4	1108.0	1148.9	1193.5	1200.9	1204.6	1212.1	1215.8
42.5°	1044.8	1081.9	1115.4	1160.0	1200.9	1245.5	1286.4	1290.2	1297.6	1301.3	1305.0
45°	1160.0	1208.4	1253.0	1293.9	1331.0	1371.9	1409.1	1412.8	1416.6	1416.6	1420.3
47.5°	1275.3	1323.6	1375.7	1416.6	1457.5	1494.6	1535.5	1543.0	1546.7	1554.1	1557.8
50°	1412.8	1479.8	1543.0	1580.2	1621.1	1658.2	1695.4	1699.1	1706.6	1710.3	1714.0
52.5°	1587.6	1654.5	1717.7	1754.9	1795.8	1833.0	1870.2	1873.9	1873.9	1877.6	1877.6
55°	1784.6	1851.6	1918.5	1955.7	1992.9	2030.0	2067.2	2067.2	2067.2	2063.5	2063.5
57.5°	2026.3	2089.5	2156.4	2193.6	2230.8	2268.0	2305.2	2305.2	2305.2	2305.2	2305.2
60°	2290.3	2364.7	2439.0	2472.5	2505.9	2539.4	2572.9	2565.4	2554.3	2546.8	2535.7
62.5°	2587.7	2665.8	2740.2	2766.2	2788.5	2814.5	2836.8	2825.7	2810.8	2799.7	2784.8
65°	2866.6	2955.8	3045.1	3063.6	3082.2	3097.1	3115.7	3097.1	3078.5	3056.2	3037.6
67.5°	3149.2	3249.5	3353.6	3361.1	3368.5	3376.0	3383.4	3364.8	3346.2	3323.9	3305.3
70°	3394.5	3521.0	3647.4	3651.1	3654.8	3658.5	3662.2	3643.7	3625.1	3602.8	3584.2
72.5°	3535.8	3666.0	3792.4	3803.5	3811.0	3822.1	3829.6	3811.0	3796.1	3777.5	3758.9
75°	3494.9	3610.2	3721.7	3710.6	3699.4	3684.6	3673.4	3643.7	3613.9	3580.4	3550.7
77.5°	3097.1	3149.2	3204.9	3145.4	3082.2	3022.7	2959.5	2929.8	2896.3	2866.6	2833.1
80°	2234.5	2193.6	2156.4	2044.9	1933.4	1818.1	1706.6	1632.2	1557.8	1483.5	1409.1
82.5°	1122.8	1007.6	892.3	791.9	691.6	587.4	487.1	449.9	409.0	371.8	330.9
85°	278.9	241.7	204.5	189.6	174.7	159.9	145.0	126.4	111.5	93.0	74.4
87.5°	33.5	29.7	26.0	22.3	22.3	18.6	14.9	14.9	14.9	11.2	11.2
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):

	357.5°	360°
0°	914.6	914.6
2.5°	814.2	810.5
5°	765.9	765.9
7.5°	661.8	654.4
10°	736.2	736.2
12.5°	643.2	646.9
15°	743.6	743.6
17.5°	635.8	632.1
20°	758.5	758.5
22.5°	643.2	643.2
25°	788.2	784.5
27.5°	676.7	676.7
30°	829.1	829.1
32.5°	1003.9	1007.6
35°	1070.8	1070.8
37.5°	1134.0	1134.0
40°	1215.8	1212.1
42.5°	1308.7	1308.7
45°	1424.0	1424.0
47.5°	1561.6	1565.3
50°	1714.0	1714.0
52.5°	1877.6	1873.9
55°	2063.5	2063.5
57.5°	2294.0	2279.1
60°	2532.0	2528.2
62.5°	2781.1	2773.6
65°	3033.9	3026.5
67.5°	3301.6	3294.2
70°	3584.2	3580.4
72.5°	3747.8	3736.6
75°	3543.3	3535.8
77.5°	2803.4	2769.9
80°	1390.5	1371.9
82.5°	330.9	330.9
85°	70.6	66.9
87.5°	11.2	11.2
90°	0.0	0.0



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