

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: P561233

Luminaire Tested: **SDL-PA1-90-730-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561233
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-PA1-90-730-U-5WQ
Description: Springdale
(1) 70 CRI, 3000K, 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: 9620.8 lumens
Efficiency: N/A
Efficacy: 104.1 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

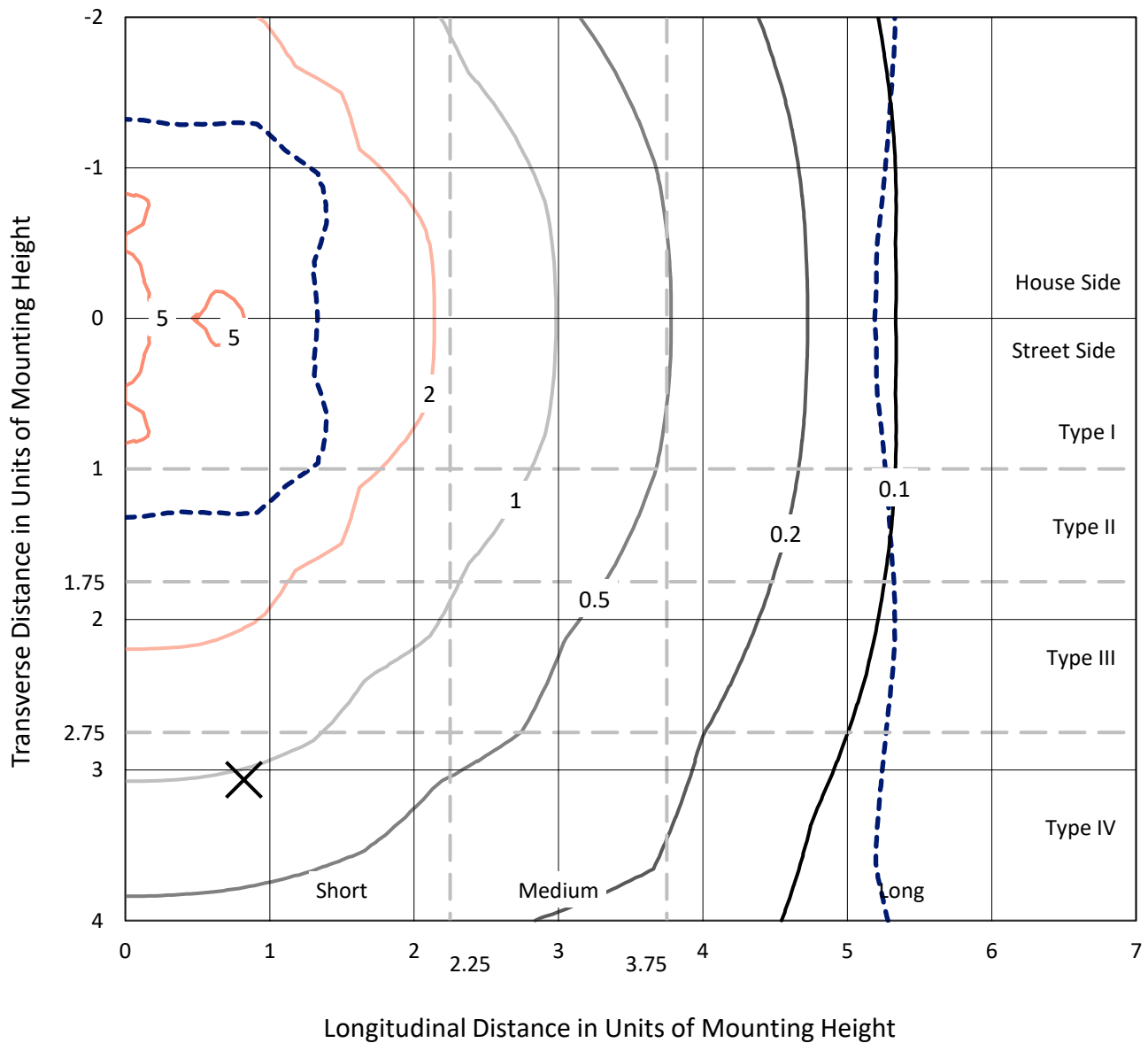


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

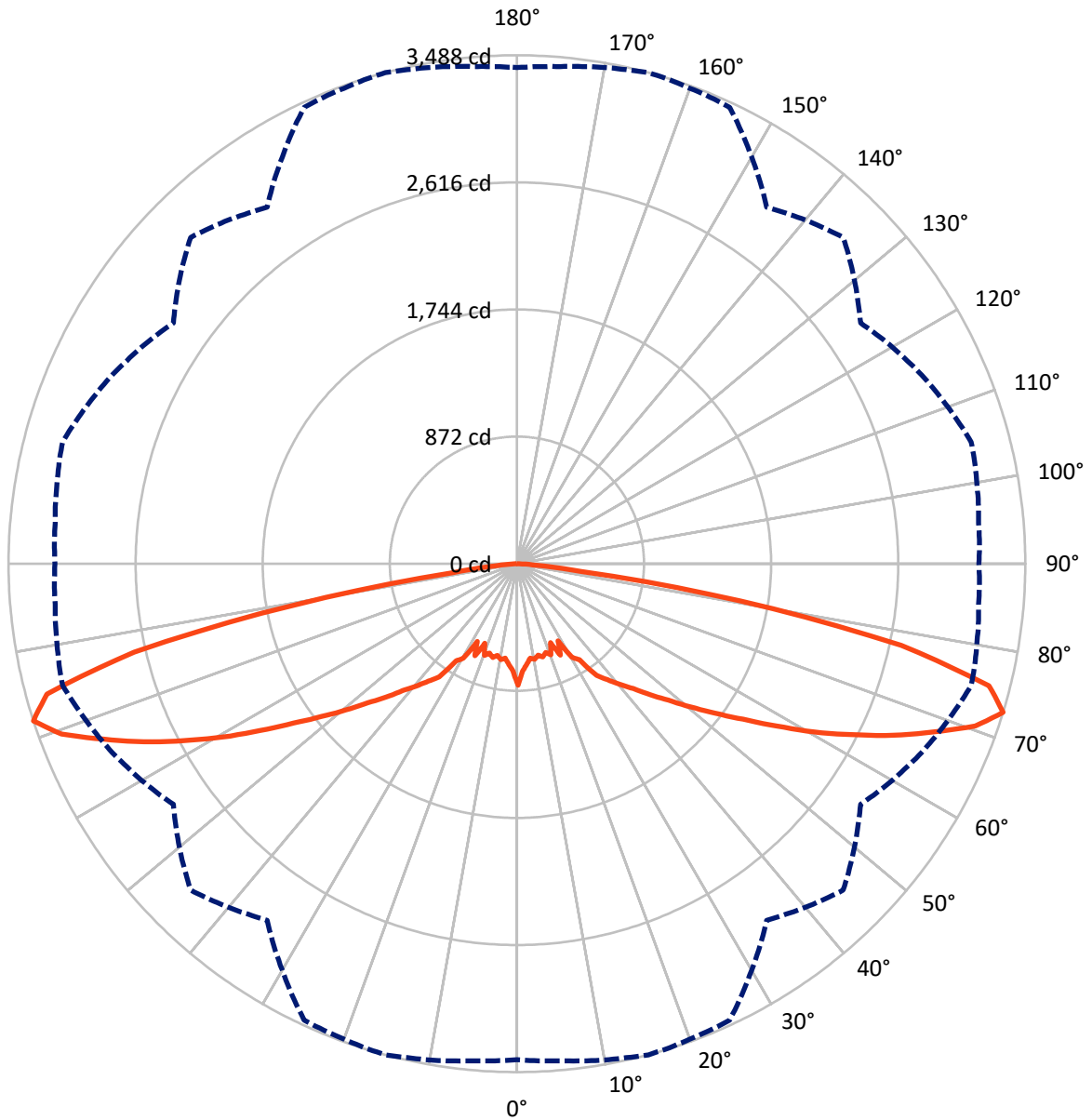


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type V - Short - N/A

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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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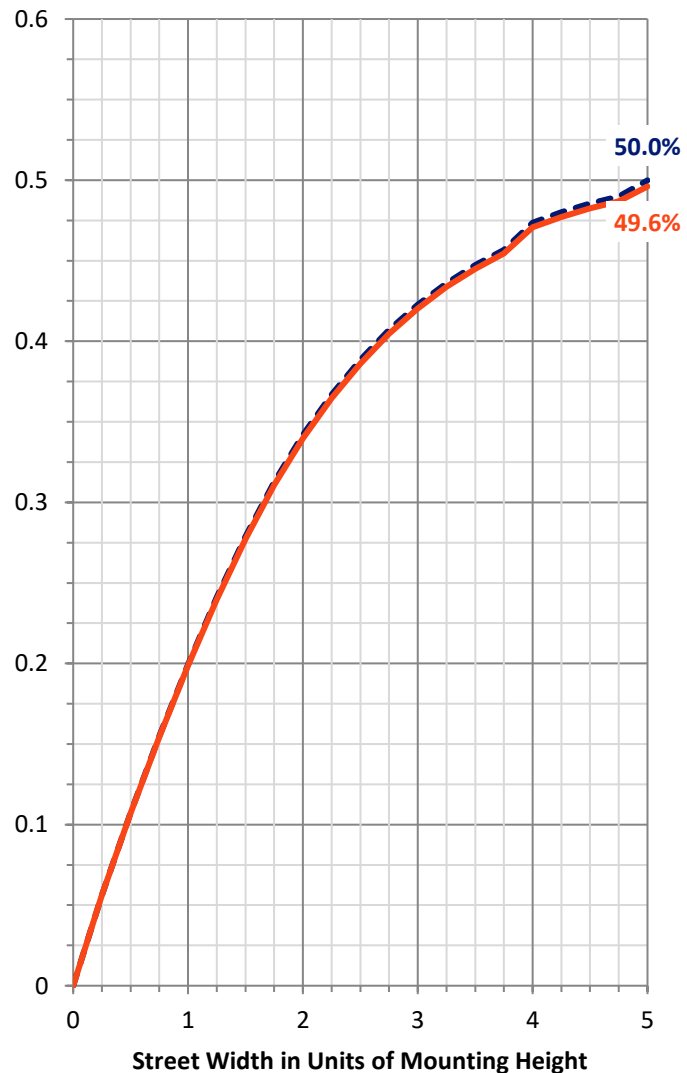
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4810.4	0.0	4810.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4810.4	0.0	4810.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9620.8	0.0	9620.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	0.7
10°-20°	151.9	1.6
20°-30°	271.0	2.8
30°-40°	518.4	5.4
40°-50°	882.8	9.2
50°-60°	1545.4	16.1
60°-70°	2607.7	27.1
70°-80°	3041.7	31.6
80°-90°	536.5	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°	9620.8	100.0
0°-180°	9620.8	100.0



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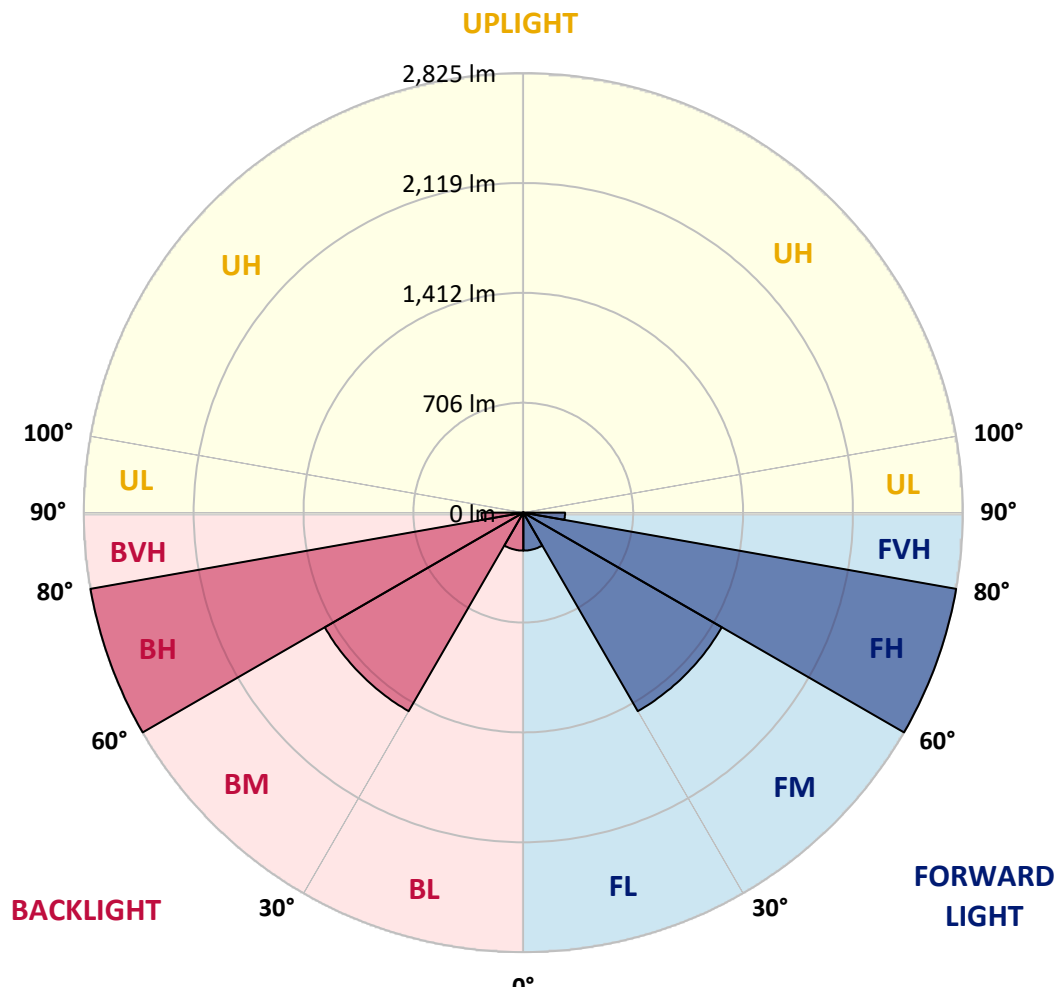
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.1	2.5			
FM	(30°-60°)	1473.3	15.3			
FH	(60°-80°)	2824.7	29.4			G2/5000
FVH	(80°-90°)	268.3	2.8			G3/500
BL	(0°-30°)	244.1	2.5	B1/500		
BM	(30°-60°)	1473.3	15.3	B2/2500		
BH	(60°-80°)	2824.7	29.4	B4/5000		G2/5000
BVH	(80°-90°)	268.3	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°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	738.2	741.5	741.5	741.5	741.5	738.2	738.2	748.3	758.5	768.6	778.8
5°	697.5	697.5	697.5	697.5	697.5	694.1	694.1	694.1	694.1	694.1	694.1
7.5°	595.9	602.7	606.1	619.6	629.8	643.3	653.5	656.9	660.3	660.3	663.7
10°	670.4	670.4	670.4	670.4	670.4	667.1	667.1	660.3	656.9	650.1	643.3
12.5°	589.2	585.8	582.4	599.3	612.9	629.8	643.3	646.7	650.1	653.5	656.9
15°	677.2	677.2	677.2	673.8	670.4	667.1	663.7	640.0	616.3	589.2	565.5
17.5°	575.6	579.0	579.0	595.9	609.5	626.4	640.0	633.2	626.4	616.3	609.5
20°	690.8	690.8	690.8	684.0	680.6	673.8	667.1	626.4	585.8	541.8	501.1
22.5°	585.8	585.8	585.8	585.8	589.2	589.2	589.2	592.6	595.9	599.3	602.7
25°	714.5	717.8	717.8	711.1	707.7	700.9	694.1	660.3	623.0	589.2	551.9
27.5°	616.3	616.3	616.3	612.9	609.5	602.7	599.3	606.1	616.3	623.0	629.8
30°	755.1	755.1	755.1	751.7	751.7	748.3	744.9	711.1	673.8	640.0	602.7
32.5°	917.6	914.2	910.8	880.4	849.9	816.0	785.6	768.6	751.7	731.4	714.5
35°	975.2	975.2	971.8	965.0	958.3	948.1	941.3	907.5	873.6	839.7	805.9
37.5°	1032.7	1032.7	1029.4	1026.0	1019.2	1015.8	1009.0	971.8	937.9	900.7	863.4
40°	1103.9	1107.2	1107.2	1103.9	1097.1	1093.7	1086.9	1046.3	1009.0	968.4	927.8
42.5°	1191.9	1191.9	1188.5	1185.1	1181.7	1175.0	1171.6	1134.3	1093.7	1056.4	1015.8
45°	1296.9	1296.9	1293.5	1290.1	1290.1	1286.7	1283.3	1249.5	1212.2	1178.3	1141.1
47.5°	1425.5	1422.1	1418.8	1415.4	1408.6	1405.2	1398.4	1361.2	1327.3	1290.1	1252.8
50°	1561.0	1561.0	1561.0	1557.6	1554.2	1547.4	1544.0	1510.2	1476.3	1439.1	1405.2
52.5°	1706.6	1710.0	1710.0	1710.0	1706.6	1706.6	1703.2	1669.3	1635.5	1598.2	1564.4
55°	1879.3	1879.3	1879.3	1879.3	1882.6	1882.6	1882.6	1848.8	1814.9	1781.1	1747.2
57.5°	2075.6	2089.2	2099.4	2099.4	2099.4	2099.4	2099.4	2065.5	2031.6	1997.8	1963.9
60°	2302.5	2305.9	2309.3	2319.4	2326.2	2336.4	2343.1	2312.7	2282.2	2251.7	2221.2
62.5°	2526.0	2532.8	2536.2	2549.7	2559.9	2573.4	2583.6	2563.2	2539.5	2519.2	2495.5
65°	2756.2	2763.0	2766.4	2783.3	2803.6	2820.6	2837.5	2820.6	2807.0	2790.1	2773.2
67.5°	3000.0	3006.8	3010.2	3027.1	3047.4	3064.4	3081.3	3074.5	3067.8	3061.0	3054.2
70°	3260.8	3264.2	3264.2	3281.1	3301.4	3318.3	3335.3	3331.9	3328.5	3325.1	3321.7
72.5°	3403.0	3413.1	3423.3	3440.2	3457.2	3470.7	3487.6	3480.9	3470.7	3463.9	3453.8
75°	3220.1	3226.9	3233.7	3260.8	3291.2	3318.3	3345.4	3355.6	3369.1	3379.3	3389.4
77.5°	2522.6	2553.1	2580.2	2610.6	2637.7	2668.2	2695.3	2752.9	2807.0	2864.6	2918.8
80°	1249.5	1266.4	1283.3	1351.0	1418.8	1486.5	1554.2	1655.8	1760.7	1862.3	1963.9
82.5°	301.4	301.4	301.4	338.6	372.5	409.7	443.6	535.0	629.8	721.2	812.7
85°	60.9	64.3	67.7	84.7	101.6	115.1	132.1	145.6	159.1	172.7	186.2
87.5°	10.2	10.2	10.2	10.2	13.5	13.5	13.5	16.9	20.3	20.3	23.7
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	782.2	788.9	792.3	795.7	799.1	802.5	805.9	809.3	812.7	812.7	816.0
5°	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	697.5	700.9	704.3
7.5°	667.1	670.4	673.8	677.2	677.2	677.2	673.8	673.8	670.4	670.4	667.1
10°	626.4	609.5	589.2	572.2	572.2	575.6	575.6	575.6	565.5	558.7	548.5
12.5°	643.3	629.8	612.9	599.3	575.6	555.3	531.6	507.9	501.1	494.4	487.6
15°	545.2	528.2	507.9	487.6	477.4	463.9	453.7	440.2	436.8	433.4	426.6
17.5°	592.6	575.6	555.3	538.4	504.5	470.7	436.8	402.9	419.9	440.2	457.1
20°	504.5	504.5	507.9	507.9	507.9	504.5	504.5	501.1	491.0	477.4	467.3
22.5°	575.6	545.2	518.1	487.6	494.4	501.1	507.9	514.7	497.7	480.8	460.5
25°	562.1	572.2	579.0	589.2	562.1	535.0	504.5	477.4	491.0	504.5	518.1
27.5°	609.5	589.2	565.5	545.2	555.3	565.5	572.2	582.4	565.5	548.5	531.6
30°	606.1	609.5	609.5	612.9	599.3	582.4	568.9	551.9	558.7	568.9	575.6
32.5°	694.1	670.4	650.1	626.4	626.4	626.4	623.0	623.0	623.0	626.4	626.4
35°	775.4	748.3	717.8	687.4	680.6	677.2	670.4	663.7	670.4	677.2	684.0
37.5°	833.0	799.1	768.6	734.8	731.4	728.0	721.2	717.8	717.8	717.8	717.8
40°	897.3	866.8	836.4	805.9	799.1	792.3	782.2	775.4	772.0	768.6	761.9
42.5°	985.3	951.5	921.0	887.1	877.0	863.4	853.3	839.7	836.4	833.0	826.2
45°	1100.5	1056.4	1015.8	971.8	958.3	948.1	934.5	921.0	917.6	910.8	907.5
47.5°	1205.4	1161.4	1114.0	1066.6	1059.8	1049.7	1042.9	1032.7	1026.0	1015.8	1009.0
50°	1347.6	1286.7	1229.1	1168.2	1168.2	1164.8	1164.8	1161.4	1147.9	1134.3	1120.8
52.5°	1506.8	1445.8	1388.3	1327.3	1320.6	1317.2	1310.4	1303.6	1290.1	1276.5	1259.6
55°	1686.3	1625.3	1564.4	1503.4	1500.0	1500.0	1496.6	1493.2	1472.9	1452.6	1432.3
57.5°	1903.0	1845.4	1784.4	1723.5	1726.9	1726.9	1730.3	1730.3	1703.2	1676.1	1645.6
60°	2153.5	2085.8	2014.7	1947.0	1957.1	1970.7	1980.8	1991.0	1957.1	1923.3	1886.0
62.5°	2427.8	2356.7	2289.0	2217.9	2238.2	2258.5	2275.4	2295.7	2245.0	2194.2	2143.4
65°	2691.9	2610.6	2529.4	2448.1	2485.4	2526.0	2563.2	2600.5	2539.5	2478.6	2417.6
67.5°	2959.4	2868.0	2773.2	2678.4	2722.4	2766.4	2810.4	2854.4	2793.5	2729.2	2668.2
70°	3206.6	3091.5	2976.3	2861.2	2905.2	2949.2	2993.3	3037.3	2979.7	2922.2	2864.6
72.5°	3338.6	3220.1	3105.0	2986.5	3030.5	3077.9	3121.9	3166.0	3094.8	3023.7	2949.2
75°	3287.9	3182.9	3081.3	2976.3	3040.7	3105.0	3169.3	3233.7	3138.9	3040.7	2945.9
77.5°	2868.0	2820.6	2769.8	2719.0	2834.1	2949.2	3064.4	3179.5	3044.1	2905.2	2769.8
80°	1997.8	2035.0	2068.9	2102.7	2268.7	2434.6	2597.1	2763.0	2603.9	2448.1	2289.0
82.5°	917.6	1022.6	1124.2	1229.1	1395.1	1561.0	1723.5	1889.4	1713.3	1537.3	1357.8
85°	220.1	254.0	284.4	318.3	402.9	487.6	572.2	656.9	585.8	514.7	443.6
87.5°	27.1	30.5	30.5	33.9	30.5	30.5	27.1	23.7	27.1	27.1	30.5
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°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	816.0	819.4	819.4	822.8	822.8	822.8	822.8	819.4	819.4	819.4	822.8
5°	707.7	724.6	738.2	755.1	768.6	775.4	785.6	792.3	799.1	802.5	802.5
7.5°	663.7	656.9	646.7	640.0	629.8	643.3	660.3	673.8	687.4	690.8	694.1
10°	538.4	535.0	528.2	524.8	518.1	521.5	528.2	531.6	535.0	551.9	572.2
12.5°	480.8	484.2	487.6	491.0	494.4	484.2	474.0	460.5	450.3	467.3	484.2
15°	423.3	423.3	426.6	426.6	426.6	440.2	453.7	467.3	480.8	504.5	531.6
17.5°	474.0	467.3	460.5	450.3	443.6	447.0	447.0	450.3	450.3	463.9	474.0
20°	453.7	443.6	436.8	426.6	416.5	433.4	450.3	467.3	484.2	511.3	538.4
22.5°	443.6	463.9	480.8	501.1	518.1	507.9	497.7	484.2	474.0	474.0	474.0
25°	531.6	514.7	497.7	480.8	463.9	494.4	521.5	551.9	579.0	599.3	616.3
27.5°	514.7	528.2	541.8	551.9	565.5	582.4	599.3	616.3	633.2	663.7	690.8
30°	582.4	599.3	616.3	629.8	646.7	690.8	731.4	775.4	816.0	836.4	856.7
32.5°	626.4	660.3	690.8	724.6	755.1	778.8	802.5	826.2	849.9	870.2	893.9
35°	690.8	717.8	741.5	768.6	792.3	819.4	846.5	870.2	897.3	917.6	937.9
37.5°	717.8	748.3	778.8	805.9	836.4	870.2	900.7	934.5	965.0	982.0	995.5
40°	758.5	795.7	833.0	870.2	907.5	941.3	975.2	1009.0	1042.9	1056.4	1070.0
42.5°	822.8	863.4	904.1	941.3	982.0	1019.2	1053.1	1090.3	1124.2	1137.7	1151.3
45°	900.7	941.3	982.0	1022.6	1063.2	1103.9	1144.5	1185.1	1225.7	1242.7	1259.6
47.5°	998.9	1039.5	1083.5	1124.2	1164.8	1215.6	1263.0	1313.8	1361.2	1374.7	1388.3
50°	1107.2	1147.9	1188.5	1229.1	1269.8	1334.1	1395.1	1459.4	1520.3	1527.1	1537.3
52.5°	1246.1	1286.7	1323.9	1364.6	1401.8	1472.9	1544.0	1611.8	1682.9	1686.3	1693.0
55°	1412.0	1449.2	1489.9	1527.1	1564.4	1642.2	1716.7	1794.6	1869.1	1869.1	1872.5
57.5°	1618.5	1659.2	1699.8	1737.0	1777.7	1852.2	1926.7	1997.8	2072.3	2068.9	2065.5
60°	1852.2	1889.4	1923.3	1960.5	1994.4	2065.5	2140.0	2211.1	2282.2	2275.4	2265.3
62.5°	2092.6	2133.2	2173.8	2211.1	2251.7	2309.3	2370.2	2427.8	2485.4	2471.8	2458.3
65°	2356.7	2397.3	2441.3	2482.0	2522.6	2566.6	2614.0	2658.0	2702.1	2688.5	2678.4
67.5°	2603.9	2651.3	2698.7	2742.7	2790.1	2824.0	2857.8	2888.3	2922.2	2905.2	2888.3
70°	2807.0	2847.7	2888.3	2928.9	2969.6	3003.4	3037.3	3071.1	3105.0	3088.1	3071.1
72.5°	2878.1	2925.5	2973.0	3017.0	3064.4	3105.0	3145.6	3186.3	3226.9	3216.7	3203.2
75°	2847.7	2881.5	2915.4	2949.2	2983.1	3013.6	3047.4	3077.9	3108.4	3091.5	3074.5
77.5°	2631.0	2627.6	2620.8	2617.4	2610.6	2610.6	2614.0	2614.0	2614.0	2593.7	2573.4
80°	2129.8	2068.9	2007.9	1947.0	1886.0	1814.9	1743.8	1672.7	1601.6	1533.9	1466.2
82.5°	1181.7	1042.9	907.5	768.6	629.8	572.2	511.3	453.7	392.8	365.7	335.2
85°	372.5	325.1	277.7	230.3	182.8	172.7	162.5	149.0	138.8	128.7	118.5
87.5°	30.5	27.1	27.1	23.7	20.3	16.9	16.9	13.5	10.2	10.2	10.2
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-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	822.8	822.8	822.8	822.8	822.8	822.8	822.8	822.8	819.4	819.4	819.4
5°	805.9	805.9	805.9	805.9	805.9	805.9	805.9	802.5	802.5	799.1	792.3
7.5°	694.1	697.5	697.5	694.1	697.5	697.5	694.1	694.1	690.8	687.4	673.8
10°	589.2	606.1	606.1	606.1	606.1	606.1	589.2	572.2	551.9	535.0	531.6
12.5°	501.1	518.1	518.1	518.1	518.1	518.1	501.1	484.2	467.3	450.3	460.5
15°	555.3	579.0	579.0	579.0	579.0	579.0	555.3	531.6	504.5	480.8	467.3
17.5°	487.6	497.7	501.1	501.1	501.1	497.7	487.6	474.0	463.9	450.3	450.3
20°	562.1	589.2	592.6	595.9	592.6	589.2	562.1	538.4	511.3	484.2	467.3
22.5°	470.7	470.7	474.0	474.0	474.0	470.7	470.7	474.0	474.0	474.0	484.2
25°	636.6	653.5	653.5	650.1	653.5	653.5	636.6	616.3	599.3	579.0	551.9
27.5°	721.2	748.3	755.1	758.5	755.1	748.3	721.2	690.8	663.7	633.2	616.3
30°	877.0	897.3	897.3	897.3	897.3	897.3	877.0	856.7	836.4	816.0	775.4
32.5°	914.2	934.5	934.5	934.5	934.5	934.5	914.2	893.9	870.2	849.9	826.2
35°	954.9	975.2	978.6	978.6	978.6	975.2	954.9	937.9	917.6	897.3	870.2
37.5°	1012.4	1026.0	1029.4	1032.7	1029.4	1026.0	1012.4	995.5	982.0	965.0	934.5
40°	1080.1	1093.7	1093.7	1093.7	1093.7	1093.7	1080.1	1070.0	1056.4	1042.9	1009.0
42.5°	1164.8	1178.3	1181.7	1185.1	1181.7	1178.3	1164.8	1151.3	1137.7	1124.2	1090.3
45°	1273.2	1290.1	1293.5	1296.9	1293.5	1290.1	1273.2	1259.6	1242.7	1225.7	1185.1
47.5°	1401.8	1415.4	1415.4	1415.4	1415.4	1415.4	1401.8	1388.3	1374.7	1361.2	1313.8
50°	1544.0	1550.8	1554.2	1554.2	1554.2	1550.8	1544.0	1537.3	1527.1	1520.3	1459.4
52.5°	1696.4	1699.8	1699.8	1696.4	1699.8	1699.8	1696.4	1693.0	1686.3	1682.9	1611.8
55°	1872.5	1872.5	1869.1	1862.3	1869.1	1872.5	1872.5	1872.5	1869.1	1869.1	1794.6
57.5°	2062.1	2058.7	2058.7	2055.3	2058.7	2058.7	2062.1	2065.5	2068.9	2072.3	1997.8
60°	2258.5	2248.3	2245.0	2238.2	2245.0	2248.3	2258.5	2265.3	2275.4	2282.2	2211.1
62.5°	2444.7	2431.2	2431.2	2431.2	2431.2	2431.2	2444.7	2458.3	2471.8	2485.4	2427.8
65°	2664.8	2651.3	2644.5	2637.7	2644.5	2651.3	2664.8	2678.4	2688.5	2702.1	2658.0
67.5°	2871.4	2854.4	2847.7	2837.5	2847.7	2854.4	2871.4	2888.3	2905.2	2922.2	2888.3
70°	3050.8	3033.9	3030.5	3027.1	3030.5	3033.9	3050.8	3071.1	3088.1	3105.0	3071.1
72.5°	3193.0	3179.5	3176.1	3169.3	3176.1	3179.5	3193.0	3203.2	3216.7	3226.9	3186.3
75°	3057.6	3040.7	3030.5	3017.0	3030.5	3040.7	3057.6	3074.5	3091.5	3108.4	3077.9
77.5°	2553.1	2532.8	2526.0	2515.8	2526.0	2532.8	2553.1	2573.4	2593.7	2614.0	2614.0
80°	1398.4	1330.7	1313.8	1293.5	1313.8	1330.7	1398.4	1466.2	1533.9	1601.6	1672.7
82.5°	308.1	277.7	267.5	254.0	267.5	277.7	308.1	335.2	365.7	392.8	453.7
85°	105.0	94.8	88.0	81.3	88.0	94.8	105.0	118.5	128.7	138.8	149.0
87.5°	10.2	10.2	10.2	6.8	10.2	10.2	10.2	10.2	10.2	10.2	13.5
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: P561233

CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	822.8	822.8	822.8	822.8	819.4	819.4	816.0	816.0	812.7	812.7	809.3
5°	785.6	775.4	768.6	755.1	738.2	724.6	707.7	704.3	700.9	697.5	694.1
7.5°	660.3	643.3	629.8	640.0	646.7	656.9	663.7	667.1	670.4	670.4	673.8
10°	528.2	521.5	518.1	524.8	528.2	535.0	538.4	548.5	558.7	565.5	575.6
12.5°	474.0	484.2	494.4	491.0	487.6	484.2	480.8	487.6	494.4	501.1	507.9
15°	453.7	440.2	426.6	426.6	426.6	423.3	423.3	426.6	433.4	436.8	440.2
17.5°	447.0	447.0	443.6	450.3	460.5	467.3	474.0	457.1	440.2	419.9	402.9
20°	450.3	433.4	416.5	426.6	436.8	443.6	453.7	467.3	477.4	491.0	501.1
22.5°	497.7	507.9	518.1	501.1	480.8	463.9	443.6	460.5	480.8	497.7	514.7
25°	521.5	494.4	463.9	480.8	497.7	514.7	531.6	518.1	504.5	491.0	477.4
27.5°	599.3	582.4	565.5	551.9	541.8	528.2	514.7	531.6	548.5	565.5	582.4
30°	731.4	690.8	646.7	629.8	616.3	599.3	582.4	575.6	568.9	558.7	551.9
32.5°	802.5	778.8	755.1	724.6	690.8	660.3	626.4	626.4	626.4	623.0	623.0
35°	846.5	819.4	792.3	768.6	741.5	717.8	690.8	684.0	677.2	670.4	663.7
37.5°	900.7	870.2	836.4	805.9	778.8	748.3	717.8	717.8	717.8	717.8	717.8
40°	975.2	941.3	907.5	870.2	833.0	795.7	758.5	761.9	768.6	772.0	775.4
42.5°	1053.1	1019.2	982.0	941.3	904.1	863.4	822.8	826.2	833.0	836.4	839.7
45°	1144.5	1103.9	1063.2	1022.6	982.0	941.3	900.7	907.5	910.8	917.6	921.0
47.5°	1263.0	1215.6	1164.8	1124.2	1083.5	1039.5	998.9	1009.0	1015.8	1026.0	1032.7
50°	1395.1	1334.1	1269.8	1229.1	1188.5	1147.9	1107.2	1120.8	1134.3	1147.9	1161.4
52.5°	1544.0	1472.9	1401.8	1364.6	1323.9	1286.7	1246.1	1259.6	1276.5	1290.1	1303.6
55°	1716.7	1642.2	1564.4	1527.1	1489.9	1449.2	1412.0	1432.3	1452.6	1472.9	1493.2
57.5°	1926.7	1852.2	1777.7	1737.0	1699.8	1659.2	1618.5	1645.6	1676.1	1703.2	1730.3
60°	2140.0	2065.5	1994.4	1960.5	1923.3	1889.4	1852.2	1886.0	1923.3	1957.1	1991.0
62.5°	2370.2	2309.3	2251.7	2211.1	2173.8	2133.2	2092.6	2143.4	2194.2	2245.0	2295.7
65°	2614.0	2566.6	2522.6	2482.0	2441.3	2397.3	2356.7	2417.6	2478.6	2539.5	2600.5
67.5°	2857.8	2824.0	2790.1	2742.7	2698.7	2651.3	2603.9	2668.2	2729.2	2793.5	2854.4
70°	3037.3	3003.4	2969.6	2928.9	2888.3	2847.7	2807.0	2864.6	2922.2	2979.7	3037.3
72.5°	3145.6	3105.0	3064.4	3017.0	2973.0	2925.5	2878.1	2949.2	3023.7	3094.8	3166.0
75°	3047.4	3013.6	2983.1	2949.2	2915.4	2881.5	2847.7	2945.9	3040.7	3138.9	3233.7
77.5°	2614.0	2610.6	2610.6	2617.4	2620.8	2627.6	2631.0	2769.8	2905.2	3044.1	3179.5
80°	1743.8	1814.9	1886.0	1947.0	2007.9	2068.9	2129.8	2289.0	2448.1	2603.9	2763.0
82.5°	511.3	572.2	629.8	768.6	907.5	1042.9	1181.7	1357.8	1537.3	1713.3	1889.4
85°	162.5	172.7	182.8	230.3	277.7	325.1	372.5	443.6	514.7	585.8	656.9
87.5°	16.9	16.9	20.3	23.7	27.1	27.1	30.5	30.5	27.1	27.1	23.7
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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CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	805.9	802.5	799.1	795.7	792.3	788.9	782.2	778.8	768.6	758.5	748.3
5°	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1
7.5°	673.8	677.2	677.2	677.2	673.8	670.4	667.1	663.7	660.3	660.3	656.9
10°	575.6	575.6	572.2	572.2	589.2	609.5	626.4	643.3	650.1	656.9	660.3
12.5°	531.6	555.3	575.6	599.3	612.9	629.8	643.3	656.9	653.5	650.1	646.7
15°	453.7	463.9	477.4	487.6	507.9	528.2	545.2	565.5	589.2	616.3	640.0
17.5°	436.8	470.7	504.5	538.4	555.3	575.6	592.6	609.5	616.3	626.4	633.2
20°	504.5	504.5	507.9	507.9	507.9	504.5	504.5	501.1	541.8	585.8	626.4
22.5°	507.9	501.1	494.4	487.6	518.1	545.2	575.6	602.7	599.3	595.9	592.6
25°	504.5	535.0	562.1	589.2	579.0	572.2	562.1	551.9	589.2	623.0	660.3
27.5°	572.2	565.5	555.3	545.2	565.5	589.2	609.5	629.8	623.0	616.3	606.1
30°	568.9	582.4	599.3	612.9	609.5	609.5	606.1	602.7	640.0	673.8	711.1
32.5°	623.0	626.4	626.4	626.4	650.1	670.4	694.1	714.5	731.4	751.7	768.6
35°	670.4	677.2	680.6	687.4	717.8	748.3	775.4	805.9	839.7	873.6	907.5
37.5°	721.2	728.0	731.4	734.8	768.6	799.1	833.0	863.4	900.7	937.9	971.8
40°	782.2	792.3	799.1	805.9	836.4	866.8	897.3	927.8	968.4	1009.0	1046.3
42.5°	853.3	863.4	877.0	887.1	921.0	951.5	985.3	1015.8	1056.4	1093.7	1134.3
45°	934.5	948.1	958.3	971.8	1015.8	1056.4	1100.5	1141.1	1178.3	1212.2	1249.5
47.5°	1042.9	1049.7	1059.8	1066.6	1114.0	1161.4	1205.4	1252.8	1290.1	1327.3	1361.2
50°	1164.8	1164.8	1168.2	1168.2	1229.1	1286.7	1347.6	1405.2	1439.1	1476.3	1510.2
52.5°	1310.4	1317.2	1320.6	1327.3	1388.3	1445.8	1506.8	1564.4	1598.2	1635.5	1669.3
55°	1496.6	1500.0	1500.0	1503.4	1564.4	1625.3	1686.3	1747.2	1781.1	1814.9	1848.8
57.5°	1730.3	1726.9	1726.9	1723.5	1784.4	1845.4	1903.0	1963.9	1997.8	2031.6	2065.5
60°	1980.8	1970.7	1957.1	1947.0	2014.7	2085.8	2153.5	2221.2	2251.7	2282.2	2312.7
62.5°	2275.4	2258.5	2238.2	2217.9	2289.0	2356.7	2427.8	2495.5	2519.2	2539.5	2563.2
65°	2563.2	2526.0	2485.4	2448.1	2529.4	2610.6	2691.9	2773.2	2790.1	2807.0	2820.6
67.5°	2810.4	2766.4	2722.4	2678.4	2773.2	2868.0	2959.4	3054.2	3061.0	3067.8	3074.5
70°	2993.3	2949.2	2905.2	2861.2	2976.3	3091.5	3206.6	3321.7	3325.1	3328.5	3331.9
72.5°	3121.9	3077.9	3030.5	2986.5	3105.0	3220.1	3338.6	3453.8	3463.9	3470.7	3480.9
75°	3169.3	3105.0	3040.7	2976.3	3081.3	3182.9	3287.9	3389.4	3379.3	3369.1	3355.6
77.5°	3064.4	2949.2	2834.1	2719.0	2769.8	2820.6	2868.0	2918.8	2864.6	2807.0	2752.9
80°	2597.1	2434.6	2268.7	2102.7	2068.9	2035.0	1997.8	1963.9	1862.3	1760.7	1655.8
82.5°	1723.5	1561.0	1395.1	1229.1	1124.2	1022.6	917.6	812.7	721.2	629.8	535.0
85°	572.2	487.6	402.9	318.3	284.4	254.0	220.1	186.2	172.7	159.1	145.6
87.5°	27.1	30.5	30.5	33.9	30.5	30.5	27.1	23.7	20.3	20.3	16.9
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-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	738.2	738.2	741.5	741.5	741.5	741.5	738.2	741.5	741.5	741.5	741.5
5°	694.1	694.1	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5
7.5°	653.5	643.3	629.8	619.6	606.1	602.7	595.9	602.7	606.1	619.6	629.8
10°	667.1	667.1	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4
12.5°	643.3	629.8	612.9	599.3	582.4	585.8	589.2	585.8	582.4	599.3	612.9
15°	663.7	667.1	670.4	673.8	677.2	677.2	677.2	677.2	677.2	673.8	670.4
17.5°	640.0	626.4	609.5	595.9	579.0	579.0	575.6	579.0	579.0	595.9	609.5
20°	667.1	673.8	680.6	684.0	690.8	690.8	690.8	690.8	690.8	684.0	680.6
22.5°	589.2	589.2	589.2	585.8	585.8	585.8	585.8	585.8	585.8	585.8	589.2
25°	694.1	700.9	707.7	711.1	717.8	717.8	714.5	717.8	717.8	711.1	707.7
27.5°	599.3	602.7	609.5	612.9	616.3	616.3	616.3	616.3	616.3	612.9	609.5
30°	744.9	748.3	751.7	751.7	755.1	755.1	755.1	755.1	755.1	751.7	751.7
32.5°	785.6	816.0	849.9	880.4	910.8	914.2	917.6	914.2	910.8	880.4	849.9
35°	941.3	948.1	958.3	965.0	971.8	975.2	975.2	975.2	971.8	965.0	958.3
37.5°	1009.0	1015.8	1019.2	1026.0	1029.4	1032.7	1032.7	1032.7	1029.4	1026.0	1019.2
40°	1086.9	1093.7	1097.1	1103.9	1107.2	1107.2	1103.9	1107.2	1107.2	1103.9	1097.1
42.5°	1171.6	1175.0	1181.7	1185.1	1188.5	1191.9	1191.9	1191.9	1188.5	1185.1	1181.7
45°	1283.3	1286.7	1290.1	1290.1	1293.5	1296.9	1296.9	1296.9	1293.5	1290.1	1290.1
47.5°	1398.4	1405.2	1408.6	1415.4	1418.8	1422.1	1425.5	1422.1	1418.8	1415.4	1408.6
50°	1544.0	1547.4	1554.2	1557.6	1561.0	1561.0	1561.0	1561.0	1561.0	1557.6	1554.2
52.5°	1703.2	1706.6	1706.6	1710.0	1710.0	1710.0	1706.6	1710.0	1710.0	1710.0	1706.6
55°	1882.6	1882.6	1882.6	1879.3	1879.3	1879.3	1879.3	1879.3	1879.3	1879.3	1882.6
57.5°	2099.4	2099.4	2099.4	2099.4	2099.4	2089.2	2075.6	2089.2	2099.4	2099.4	2099.4
60°	2343.1	2336.4	2326.2	2319.4	2309.3	2305.9	2302.5	2305.9	2309.3	2319.4	2326.2
62.5°	2583.6	2573.4	2559.9	2549.7	2536.2	2532.8	2526.0	2532.8	2536.2	2549.7	2559.9
65°	2837.5	2820.6	2803.6	2783.3	2766.4	2763.0	2756.2	2763.0	2766.4	2783.3	2803.6
67.5°	3081.3	3064.4	3047.4	3027.1	3010.2	3006.8	3000.0	3006.8	3010.2	3027.1	3047.4
70°	3335.3	3318.3	3301.4	3281.1	3264.2	3264.2	3260.8	3264.2	3264.2	3281.1	3301.4
72.5°	3487.6	3470.7	3457.2	3440.2	3423.3	3413.1	3403.0	3413.1	3423.3	3440.2	3457.2
75°	3345.4	3318.3	3291.2	3260.8	3233.7	3226.9	3220.1	3226.9	3233.7	3260.8	3291.2
77.5°	2695.3	2668.2	2637.7	2610.6	2580.2	2553.1	2522.6	2553.1	2580.2	2610.6	2637.7
80°	1554.2	1486.5	1418.8	1351.0	1283.3	1266.4	1249.5	1266.4	1283.3	1351.0	1418.8
82.5°	443.6	409.7	372.5	338.6	301.4	301.4	301.4	301.4	301.4	338.6	372.5
85°	132.1	115.1	101.6	84.7	67.7	64.3	60.9	64.3	67.7	84.7	101.6
87.5°	13.5	13.5	13.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.5
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: P561233

CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	738.2	738.2	748.3	758.5	768.6	778.8	782.2	788.9	792.3	795.7	799.1
5°	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1
7.5°	643.3	653.5	656.9	660.3	660.3	663.7	667.1	670.4	673.8	677.2	677.2
10°	667.1	667.1	660.3	656.9	650.1	643.3	626.4	609.5	589.2	572.2	572.2
12.5°	629.8	643.3	646.7	650.1	653.5	656.9	643.3	629.8	612.9	599.3	575.6
15°	667.1	663.7	640.0	616.3	589.2	565.5	545.2	528.2	507.9	487.6	477.4
17.5°	626.4	640.0	633.2	626.4	616.3	609.5	592.6	575.6	555.3	538.4	504.5
20°	673.8	667.1	626.4	585.8	541.8	501.1	504.5	504.5	507.9	507.9	507.9
22.5°	589.2	589.2	592.6	595.9	599.3	602.7	575.6	545.2	518.1	487.6	494.4
25°	700.9	694.1	660.3	623.0	589.2	551.9	562.1	572.2	579.0	589.2	562.1
27.5°	602.7	599.3	606.1	616.3	623.0	629.8	609.5	589.2	565.5	545.2	555.3
30°	748.3	744.9	711.1	673.8	640.0	602.7	606.1	609.5	609.5	612.9	599.3
32.5°	816.0	785.6	768.6	751.7	731.4	714.5	694.1	670.4	650.1	626.4	626.4
35°	948.1	941.3	907.5	873.6	839.7	805.9	775.4	748.3	717.8	687.4	680.6
37.5°	1015.8	1009.0	971.8	937.9	900.7	863.4	833.0	799.1	768.6	734.8	731.4
40°	1093.7	1086.9	1046.3	1009.0	968.4	927.8	897.3	866.8	836.4	805.9	799.1
42.5°	1175.0	1171.6	1134.3	1093.7	1056.4	1015.8	985.3	951.5	921.0	887.1	877.0
45°	1286.7	1283.3	1249.5	1212.2	1178.3	1141.1	1100.5	1056.4	1015.8	971.8	958.3
47.5°	1405.2	1398.4	1361.2	1327.3	1290.1	1252.8	1205.4	1161.4	1114.0	1066.6	1059.8
50°	1547.4	1544.0	1510.2	1476.3	1439.1	1405.2	1347.6	1286.7	1229.1	1168.2	1168.2
52.5°	1706.6	1703.2	1669.3	1635.5	1598.2	1564.4	1506.8	1445.8	1388.3	1327.3	1320.6
55°	1882.6	1882.6	1848.8	1814.9	1781.1	1747.2	1686.3	1625.3	1564.4	1503.4	1500.0
57.5°	2099.4	2099.4	2065.5	2031.6	1997.8	1963.9	1903.0	1845.4	1784.4	1723.5	1726.9
60°	2336.4	2343.1	2312.7	2282.2	2251.7	2221.2	2153.5	2085.8	2014.7	1947.0	1957.1
62.5°	2573.4	2583.6	2563.2	2539.5	2519.2	2495.5	2427.8	2356.7	2289.0	2217.9	2238.2
65°	2820.6	2837.5	2820.6	2807.0	2790.1	2773.2	2691.9	2610.6	2529.4	2448.1	2485.4
67.5°	3064.4	3081.3	3074.5	3067.8	3061.0	3054.2	2959.4	2868.0	2773.2	2678.4	2722.4
70°	3318.3	3335.3	3331.9	3328.5	3325.1	3321.7	3206.6	3091.5	2976.3	2861.2	2905.2
72.5°	3470.7	3487.6	3480.9	3470.7	3463.9	3453.8	3338.6	3220.1	3105.0	2986.5	3030.5
75°	3318.3	3345.4	3355.6	3369.1	3379.3	3389.4	3287.9	3182.9	3081.3	2976.3	3040.7
77.5°	2668.2	2695.3	2752.9	2807.0	2864.6	2918.8	2868.0	2820.6	2769.8	2719.0	2834.1
80°	1486.5	1554.2	1655.8	1760.7	1862.3	1963.9	1997.8	2035.0	2068.9	2102.7	2268.7
82.5°	409.7	443.6	535.0	629.8	721.2	812.7	917.6	1022.6	1124.2	1229.1	1395.1
85°	115.1	132.1	145.6	159.1	172.7	186.2	220.1	254.0	284.4	318.3	402.9
87.5°	13.5	13.5	16.9	20.3	20.3	23.7	27.1	30.5	30.5	33.9	30.5
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: P561233

CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	802.5	805.9	809.3	812.7	812.7	816.0	816.0	819.4	819.4	822.8	822.8
5°	694.1	694.1	694.1	697.5	700.9	704.3	707.7	724.6	738.2	755.1	768.6
7.5°	677.2	673.8	673.8	670.4	670.4	667.1	663.7	656.9	646.7	640.0	629.8
10°	575.6	575.6	575.6	565.5	558.7	548.5	538.4	535.0	528.2	524.8	518.1
12.5°	555.3	531.6	507.9	501.1	494.4	487.6	480.8	484.2	487.6	491.0	494.4
15°	463.9	453.7	440.2	436.8	433.4	426.6	423.3	423.3	426.6	426.6	426.6
17.5°	470.7	436.8	402.9	419.9	440.2	457.1	474.0	467.3	460.5	450.3	443.6
20°	504.5	504.5	501.1	491.0	477.4	467.3	453.7	443.6	436.8	426.6	416.5
22.5°	501.1	507.9	514.7	497.7	480.8	460.5	443.6	463.9	480.8	501.1	518.1
25°	535.0	504.5	477.4	491.0	504.5	518.1	531.6	514.7	497.7	480.8	463.9
27.5°	565.5	572.2	582.4	565.5	548.5	531.6	514.7	528.2	541.8	551.9	565.5
30°	582.4	568.9	551.9	558.7	568.9	575.6	582.4	599.3	616.3	629.8	646.7
32.5°	626.4	623.0	623.0	623.0	626.4	626.4	626.4	660.3	690.8	724.6	755.1
35°	677.2	670.4	663.7	670.4	677.2	684.0	690.8	717.8	741.5	768.6	792.3
37.5°	728.0	721.2	717.8	717.8	717.8	717.8	717.8	748.3	778.8	805.9	836.4
40°	792.3	782.2	775.4	772.0	768.6	761.9	758.5	795.7	833.0	870.2	907.5
42.5°	863.4	853.3	839.7	836.4	833.0	826.2	822.8	863.4	904.1	941.3	982.0
45°	948.1	934.5	921.0	917.6	910.8	907.5	900.7	941.3	982.0	1022.6	1063.2
47.5°	1049.7	1042.9	1032.7	1026.0	1015.8	1009.0	998.9	1039.5	1083.5	1124.2	1164.8
50°	1164.8	1164.8	1161.4	1147.9	1134.3	1120.8	1107.2	1147.9	1188.5	1229.1	1269.8
52.5°	1317.2	1310.4	1303.6	1290.1	1276.5	1259.6	1246.1	1286.7	1323.9	1364.6	1401.8
55°	1500.0	1496.6	1493.2	1472.9	1452.6	1432.3	1412.0	1449.2	1489.9	1527.1	1564.4
57.5°	1726.9	1730.3	1730.3	1703.2	1676.1	1645.6	1618.5	1659.2	1699.8	1737.0	1777.7
60°	1970.7	1980.8	1991.0	1957.1	1923.3	1886.0	1852.2	1889.4	1923.3	1960.5	1994.4
62.5°	2258.5	2275.4	2295.7	2245.0	2194.2	2143.4	2092.6	2133.2	2173.8	2211.1	2251.7
65°	2526.0	2563.2	2600.5	2539.5	2478.6	2417.6	2356.7	2397.3	2441.3	2482.0	2522.6
67.5°	2766.4	2810.4	2854.4	2793.5	2729.2	2668.2	2603.9	2651.3	2698.7	2742.7	2790.1
70°	2949.2	2993.3	3037.3	2979.7	2922.2	2864.6	2807.0	2847.7	2888.3	2928.9	2969.6
72.5°	3077.9	3121.9	3166.0	3094.8	3023.7	2949.2	2878.1	2925.5	2973.0	3017.0	3064.4
75°	3105.0	3169.3	3233.7	3138.9	3040.7	2945.9	2847.7	2881.5	2915.4	2949.2	2983.1
77.5°	2949.2	3064.4	3179.5	3044.1	2905.2	2769.8	2631.0	2627.6	2620.8	2617.4	2610.6
80°	2434.6	2597.1	2763.0	2603.9	2448.1	2289.0	2129.8	2068.9	2007.9	1947.0	1886.0
82.5°	1561.0	1723.5	1889.4	1713.3	1537.3	1357.8	1181.7	1042.9	907.5	768.6	629.8
85°	487.6	572.2	656.9	585.8	514.7	443.6	372.5	325.1	277.7	230.3	182.8
87.5°	30.5	27.1	23.7	27.1	27.1	30.5	30.5	27.1	27.1	23.7	20.3
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: P561233

CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	822.8	822.8	819.4	819.4	819.4	822.8	822.8	822.8	822.8	822.8	822.8
5°	775.4	785.6	792.3	799.1	802.5	802.5	805.9	805.9	805.9	805.9	805.9
7.5°	643.3	660.3	673.8	687.4	690.8	694.1	694.1	697.5	697.5	694.1	697.5
10°	521.5	528.2	531.6	535.0	551.9	572.2	589.2	606.1	606.1	606.1	606.1
12.5°	484.2	474.0	460.5	450.3	467.3	484.2	501.1	518.1	518.1	518.1	518.1
15°	440.2	453.7	467.3	480.8	504.5	531.6	555.3	579.0	579.0	579.0	579.0
17.5°	447.0	447.0	450.3	450.3	463.9	474.0	487.6	497.7	501.1	501.1	501.1
20°	433.4	450.3	467.3	484.2	511.3	538.4	562.1	589.2	592.6	595.9	592.6
22.5°	507.9	497.7	484.2	474.0	474.0	474.0	470.7	470.7	474.0	474.0	474.0
25°	494.4	521.5	551.9	579.0	599.3	616.3	636.6	653.5	653.5	650.1	653.5
27.5°	582.4	599.3	616.3	633.2	663.7	690.8	721.2	748.3	755.1	758.5	755.1
30°	690.8	731.4	775.4	816.0	836.4	856.7	877.0	897.3	897.3	897.3	897.3
32.5°	778.8	802.5	826.2	849.9	870.2	893.9	914.2	934.5	934.5	934.5	934.5
35°	819.4	846.5	870.2	897.3	917.6	937.9	954.9	975.2	978.6	978.6	978.6
37.5°	870.2	900.7	934.5	965.0	982.0	995.5	1012.4	1026.0	1029.4	1032.7	1029.4
40°	941.3	975.2	1009.0	1042.9	1056.4	1070.0	1080.1	1093.7	1093.7	1093.7	1093.7
42.5°	1019.2	1053.1	1090.3	1124.2	1137.7	1151.3	1164.8	1178.3	1181.7	1185.1	1181.7
45°	1103.9	1144.5	1185.1	1225.7	1242.7	1259.6	1273.2	1290.1	1293.5	1296.9	1293.5
47.5°	1215.6	1263.0	1313.8	1361.2	1374.7	1388.3	1401.8	1415.4	1415.4	1415.4	1415.4
50°	1334.1	1395.1	1459.4	1520.3	1527.1	1537.3	1544.0	1550.8	1554.2	1554.2	1554.2
52.5°	1472.9	1544.0	1611.8	1682.9	1686.3	1693.0	1696.4	1699.8	1699.8	1696.4	1699.8
55°	1642.2	1716.7	1794.6	1869.1	1869.1	1872.5	1872.5	1872.5	1869.1	1862.3	1869.1
57.5°	1852.2	1926.7	1997.8	2072.3	2068.9	2065.5	2062.1	2058.7	2058.7	2055.3	2058.7
60°	2065.5	2140.0	2211.1	2282.2	2275.4	2265.3	2258.5	2248.3	2245.0	2238.2	2245.0
62.5°	2309.3	2370.2	2427.8	2485.4	2471.8	2458.3	2444.7	2431.2	2431.2	2431.2	2431.2
65°	2566.6	2614.0	2658.0	2702.1	2688.5	2678.4	2664.8	2651.3	2644.5	2637.7	2644.5
67.5°	2824.0	2857.8	2888.3	2922.2	2905.2	2888.3	2871.4	2854.4	2847.7	2837.5	2847.7
70°	3003.4	3037.3	3071.1	3105.0	3088.1	3071.1	3050.8	3033.9	3030.5	3027.1	3030.5
72.5°	3105.0	3145.6	3186.3	3226.9	3216.7	3203.2	3193.0	3179.5	3176.1	3169.3	3176.1
75°	3013.6	3047.4	3077.9	3108.4	3091.5	3074.5	3057.6	3040.7	3030.5	3017.0	3030.5
77.5°	2610.6	2614.0	2614.0	2614.0	2593.7	2573.4	2553.1	2532.8	2526.0	2515.8	2526.0
80°	1814.9	1743.8	1672.7	1601.6	1533.9	1466.2	1398.4	1330.7	1313.8	1293.5	1313.8
82.5°	572.2	511.3	453.7	392.8	365.7	335.2	308.1	277.7	267.5	254.0	267.5
85°	172.7	162.5	149.0	138.8	128.7	118.5	105.0	94.8	88.0	81.3	88.0
87.5°	16.9	16.9	13.5	10.2	10.2	10.2	10.2	10.2	10.2	6.8	10.2
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: P561233

CATALOG NUMBER: SDL-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	822.8	822.8	822.8	819.4	819.4	819.4	822.8	822.8	822.8	822.8	819.4
5°	805.9	805.9	802.5	802.5	799.1	792.3	785.6	775.4	768.6	755.1	738.2
7.5°	697.5	694.1	694.1	690.8	687.4	673.8	660.3	643.3	629.8	640.0	646.7
10°	606.1	589.2	572.2	551.9	535.0	531.6	528.2	521.5	518.1	524.8	528.2
12.5°	518.1	501.1	484.2	467.3	450.3	460.5	474.0	484.2	494.4	491.0	487.6
15°	579.0	555.3	531.6	504.5	480.8	467.3	453.7	440.2	426.6	426.6	426.6
17.5°	497.7	487.6	474.0	463.9	450.3	450.3	447.0	447.0	443.6	450.3	460.5
20°	589.2	562.1	538.4	511.3	484.2	467.3	450.3	433.4	416.5	426.6	436.8
22.5°	470.7	470.7	474.0	474.0	474.0	484.2	497.7	507.9	518.1	501.1	480.8
25°	653.5	636.6	616.3	599.3	579.0	551.9	521.5	494.4	463.9	480.8	497.7
27.5°	748.3	721.2	690.8	663.7	633.2	616.3	599.3	582.4	565.5	551.9	541.8
30°	897.3	877.0	856.7	836.4	816.0	775.4	731.4	690.8	646.7	629.8	616.3
32.5°	934.5	914.2	893.9	870.2	849.9	826.2	802.5	778.8	755.1	724.6	690.8
35°	975.2	954.9	937.9	917.6	897.3	870.2	846.5	819.4	792.3	768.6	741.5
37.5°	1026.0	1012.4	995.5	982.0	965.0	934.5	900.7	870.2	836.4	805.9	778.8
40°	1093.7	1080.1	1070.0	1056.4	1042.9	1009.0	975.2	941.3	907.5	870.2	833.0
42.5°	1178.3	1164.8	1151.3	1137.7	1124.2	1090.3	1053.1	1019.2	982.0	941.3	904.1
45°	1290.1	1273.2	1259.6	1242.7	1225.7	1185.1	1144.5	1103.9	1063.2	1022.6	982.0
47.5°	1415.4	1401.8	1388.3	1374.7	1361.2	1313.8	1263.0	1215.6	1164.8	1124.2	1083.5
50°	1550.8	1544.0	1537.3	1527.1	1520.3	1459.4	1395.1	1334.1	1269.8	1229.1	1188.5
52.5°	1699.8	1696.4	1693.0	1686.3	1682.9	1611.8	1544.0	1472.9	1401.8	1364.6	1323.9
55°	1872.5	1872.5	1872.5	1869.1	1869.1	1794.6	1716.7	1642.2	1564.4	1527.1	1489.9
57.5°	2058.7	2062.1	2065.5	2068.9	2072.3	1997.8	1926.7	1852.2	1777.7	1737.0	1699.8
60°	2248.3	2258.5	2265.3	2275.4	2282.2	2211.1	2140.0	2065.5	1994.4	1960.5	1923.3
62.5°	2431.2	2444.7	2458.3	2471.8	2485.4	2427.8	2370.2	2309.3	2251.7	2211.1	2173.8
65°	2651.3	2664.8	2678.4	2688.5	2702.1	2658.0	2614.0	2566.6	2522.6	2482.0	2441.3
67.5°	2854.4	2871.4	2888.3	2905.2	2922.2	2888.3	2857.8	2824.0	2790.1	2742.7	2698.7
70°	3033.9	3050.8	3071.1	3088.1	3105.0	3071.1	3037.3	3003.4	2969.6	2928.9	2888.3
72.5°	3179.5	3193.0	3203.2	3216.7	3226.9	3186.3	3145.6	3105.0	3064.4	3017.0	2973.0
75°	3040.7	3057.6	3074.5	3091.5	3108.4	3077.9	3047.4	3013.6	2983.1	2949.2	2915.4
77.5°	2532.8	2553.1	2573.4	2593.7	2614.0	2614.0	2614.0	2610.6	2610.6	2617.4	2620.8
80°	1330.7	1398.4	1466.2	1533.9	1601.6	1672.7	1743.8	1814.9	1886.0	1947.0	2007.9
82.5°	277.7	308.1	335.2	365.7	392.8	453.7	511.3	572.2	629.8	768.6	907.5
85°	94.8	105.0	118.5	128.7	138.8	149.0	162.5	172.7	182.8	230.3	277.7
87.5°	10.2	10.2	10.2	10.2	10.2	13.5	16.9	16.9	20.3	23.7	27.1
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°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	819.4	816.0	816.0	812.7	812.7	809.3	805.9	802.5	799.1	795.7	792.3
5°	724.6	707.7	704.3	700.9	697.5	694.1	694.1	694.1	694.1	694.1	694.1
7.5°	656.9	663.7	667.1	670.4	670.4	673.8	673.8	677.2	677.2	677.2	673.8
10°	535.0	538.4	548.5	558.7	565.5	575.6	575.6	575.6	572.2	572.2	589.2
12.5°	484.2	480.8	487.6	494.4	501.1	507.9	531.6	555.3	575.6	599.3	612.9
15°	423.3	423.3	426.6	433.4	436.8	440.2	453.7	463.9	477.4	487.6	507.9
17.5°	467.3	474.0	457.1	440.2	419.9	402.9	436.8	470.7	504.5	538.4	555.3
20°	443.6	453.7	467.3	477.4	491.0	501.1	504.5	504.5	507.9	507.9	507.9
22.5°	463.9	443.6	460.5	480.8	497.7	514.7	507.9	501.1	494.4	487.6	518.1
25°	514.7	531.6	518.1	504.5	491.0	477.4	504.5	535.0	562.1	589.2	579.0
27.5°	528.2	514.7	531.6	548.5	565.5	582.4	572.2	565.5	555.3	545.2	565.5
30°	599.3	582.4	575.6	568.9	558.7	551.9	568.9	582.4	599.3	612.9	609.5
32.5°	660.3	626.4	626.4	626.4	623.0	623.0	623.0	626.4	626.4	626.4	650.1
35°	717.8	690.8	684.0	677.2	670.4	663.7	670.4	677.2	680.6	687.4	717.8
37.5°	748.3	717.8	717.8	717.8	717.8	717.8	721.2	728.0	731.4	734.8	768.6
40°	795.7	758.5	761.9	768.6	772.0	775.4	782.2	792.3	799.1	805.9	836.4
42.5°	863.4	822.8	826.2	833.0	836.4	839.7	853.3	863.4	877.0	887.1	921.0
45°	941.3	900.7	907.5	910.8	917.6	921.0	934.5	948.1	958.3	971.8	1015.8
47.5°	1039.5	998.9	1009.0	1015.8	1026.0	1032.7	1042.9	1049.7	1059.8	1066.6	1114.0
50°	1147.9	1107.2	1120.8	1134.3	1147.9	1161.4	1164.8	1164.8	1168.2	1168.2	1229.1
52.5°	1286.7	1246.1	1259.6	1276.5	1290.1	1303.6	1310.4	1317.2	1320.6	1327.3	1388.3
55°	1449.2	1412.0	1432.3	1452.6	1472.9	1493.2	1496.6	1500.0	1500.0	1503.4	1564.4
57.5°	1659.2	1618.5	1645.6	1676.1	1703.2	1730.3	1730.3	1726.9	1726.9	1723.5	1784.4
60°	1889.4	1852.2	1886.0	1923.3	1957.1	1991.0	1980.8	1970.7	1957.1	1947.0	2014.7
62.5°	2133.2	2092.6	2143.4	2194.2	2245.0	2295.7	2275.4	2258.5	2238.2	2217.9	2289.0
65°	2397.3	2356.7	2417.6	2478.6	2539.5	2600.5	2563.2	2526.0	2485.4	2448.1	2529.4
67.5°	2651.3	2603.9	2668.2	2729.2	2793.5	2854.4	2810.4	2766.4	2722.4	2678.4	2773.2
70°	2847.7	2807.0	2864.6	2922.2	2979.7	3037.3	2993.3	2949.2	2905.2	2861.2	2976.3
72.5°	2925.5	2878.1	2949.2	3023.7	3094.8	3166.0	3121.9	3077.9	3030.5	2986.5	3105.0
75°	2881.5	2847.7	2945.9	3040.7	3138.9	3233.7	3169.3	3105.0	3040.7	2976.3	3081.3
77.5°	2627.6	2631.0	2769.8	2905.2	3044.1	3179.5	3064.4	2949.2	2834.1	2719.0	2769.8
80°	2068.9	2129.8	2289.0	2448.1	2603.9	2763.0	2597.1	2434.6	2268.7	2102.7	2068.9
82.5°	1042.9	1181.7	1357.8	1537.3	1713.3	1889.4	1723.5	1561.0	1395.1	1229.1	1124.2
85°	325.1	372.5	443.6	514.7	585.8	656.9	572.2	487.6	402.9	318.3	284.4
87.5°	27.1	30.5	30.5	27.1	27.1	23.7	27.1	30.5	30.5	33.9	30.5
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°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0
2.5°	788.9	782.2	778.8	768.6	758.5	748.3	738.2	738.2	741.5	741.5	741.5
5°	694.1	694.1	694.1	694.1	694.1	694.1	694.1	694.1	697.5	697.5	697.5
7.5°	670.4	667.1	663.7	660.3	660.3	656.9	653.5	643.3	629.8	619.6	606.1
10°	609.5	626.4	643.3	650.1	656.9	660.3	667.1	667.1	670.4	670.4	670.4
12.5°	629.8	643.3	656.9	653.5	650.1	646.7	643.3	629.8	612.9	599.3	582.4
15°	528.2	545.2	565.5	589.2	616.3	640.0	663.7	667.1	670.4	673.8	677.2
17.5°	575.6	592.6	609.5	616.3	626.4	633.2	640.0	626.4	609.5	595.9	579.0
20°	504.5	504.5	501.1	541.8	585.8	626.4	667.1	673.8	680.6	684.0	690.8
22.5°	545.2	575.6	602.7	599.3	595.9	592.6	589.2	589.2	589.2	585.8	585.8
25°	572.2	562.1	551.9	589.2	623.0	660.3	694.1	700.9	707.7	711.1	717.8
27.5°	589.2	609.5	629.8	623.0	616.3	606.1	599.3	602.7	609.5	612.9	616.3
30°	609.5	606.1	602.7	640.0	673.8	711.1	744.9	748.3	751.7	751.7	755.1
32.5°	670.4	694.1	714.5	731.4	751.7	768.6	785.6	816.0	849.9	880.4	910.8
35°	748.3	775.4	805.9	839.7	873.6	907.5	941.3	948.1	958.3	965.0	971.8
37.5°	799.1	833.0	863.4	900.7	937.9	971.8	1009.0	1015.8	1019.2	1026.0	1029.4
40°	866.8	897.3	927.8	968.4	1009.0	1046.3	1086.9	1093.7	1097.1	1103.9	1107.2
42.5°	951.5	985.3	1015.8	1056.4	1093.7	1134.3	1171.6	1175.0	1181.7	1185.1	1188.5
45°	1056.4	1100.5	1141.1	1178.3	1212.2	1249.5	1283.3	1286.7	1290.1	1290.1	1293.5
47.5°	1161.4	1205.4	1252.8	1290.1	1327.3	1361.2	1398.4	1405.2	1408.6	1415.4	1418.8
50°	1286.7	1347.6	1405.2	1439.1	1476.3	1510.2	1544.0	1547.4	1554.2	1557.6	1561.0
52.5°	1445.8	1506.8	1564.4	1598.2	1635.5	1669.3	1703.2	1706.6	1706.6	1710.0	1710.0
55°	1625.3	1686.3	1747.2	1781.1	1814.9	1848.8	1882.6	1882.6	1882.6	1879.3	1879.3
57.5°	1845.4	1903.0	1963.9	1997.8	2031.6	2065.5	2099.4	2099.4	2099.4	2099.4	2099.4
60°	2085.8	2153.5	2221.2	2251.7	2282.2	2312.7	2343.1	2336.4	2326.2	2319.4	2309.3
62.5°	2356.7	2427.8	2495.5	2519.2	2539.5	2563.2	2583.6	2573.4	2559.9	2549.7	2536.2
65°	2610.6	2691.9	2773.2	2790.1	2807.0	2820.6	2837.5	2820.6	2803.6	2783.3	2766.4
67.5°	2868.0	2959.4	3054.2	3061.0	3067.8	3074.5	3081.3	3064.4	3047.4	3027.1	3010.2
70°	3091.5	3206.6	3321.7	3325.1	3328.5	3331.9	3335.3	3318.3	3301.4	3281.1	3264.2
72.5°	3220.1	3338.6	3453.8	3463.9	3470.7	3480.9	3487.6	3470.7	3457.2	3440.2	3423.3
75°	3182.9	3287.9	3389.4	3379.3	3369.1	3355.6	3345.4	3318.3	3291.2	3260.8	3233.7
77.5°	2820.6	2868.0	2918.8	2864.6	2807.0	2752.9	2695.3	2668.2	2637.7	2610.6	2580.2
80°	2035.0	1997.8	1963.9	1862.3	1760.7	1655.8	1554.2	1486.5	1418.8	1351.0	1283.3
82.5°	1022.6	917.6	812.7	721.2	629.8	535.0	443.6	409.7	372.5	338.6	301.4
85°	254.0	220.1	186.2	172.7	159.1	145.6	132.1	115.1	101.6	84.7	67.7
87.5°	30.5	27.1	23.7	20.3	20.3	16.9	13.5	13.5	13.5	10.2	10.2
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-PA1-90-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	833.0	833.0
2.5°	741.5	738.2
5°	697.5	697.5
7.5°	602.7	595.9
10°	670.4	670.4
12.5°	585.8	589.2
15°	677.2	677.2
17.5°	579.0	575.6
20°	690.8	690.8
22.5°	585.8	585.8
25°	717.8	714.5
27.5°	616.3	616.3
30°	755.1	755.1
32.5°	914.2	917.6
35°	975.2	975.2
37.5°	1032.7	1032.7
40°	1107.2	1103.9
42.5°	1191.9	1191.9
45°	1296.9	1296.9
47.5°	1422.1	1425.5
50°	1561.0	1561.0
52.5°	1710.0	1706.6
55°	1879.3	1879.3
57.5°	2089.2	2075.6
60°	2305.9	2302.5
62.5°	2532.8	2526.0
65°	2763.0	2756.2
67.5°	3006.8	3000.0
70°	3264.2	3260.8
72.5°	3413.1	3403.0
75°	3226.9	3220.1
77.5°	2553.1	2522.6
80°	1266.4	1249.5
82.5°	301.4	301.4
85°	64.3	60.9
87.5°	10.2	10.2
90°	0.0	0.0



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