

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: P560646

Luminaire Tested: **SDL-PA1-50-830-U-T2R-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560646  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-50-830-U-T2R-HSS  
Description: Springdale  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4163.2 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

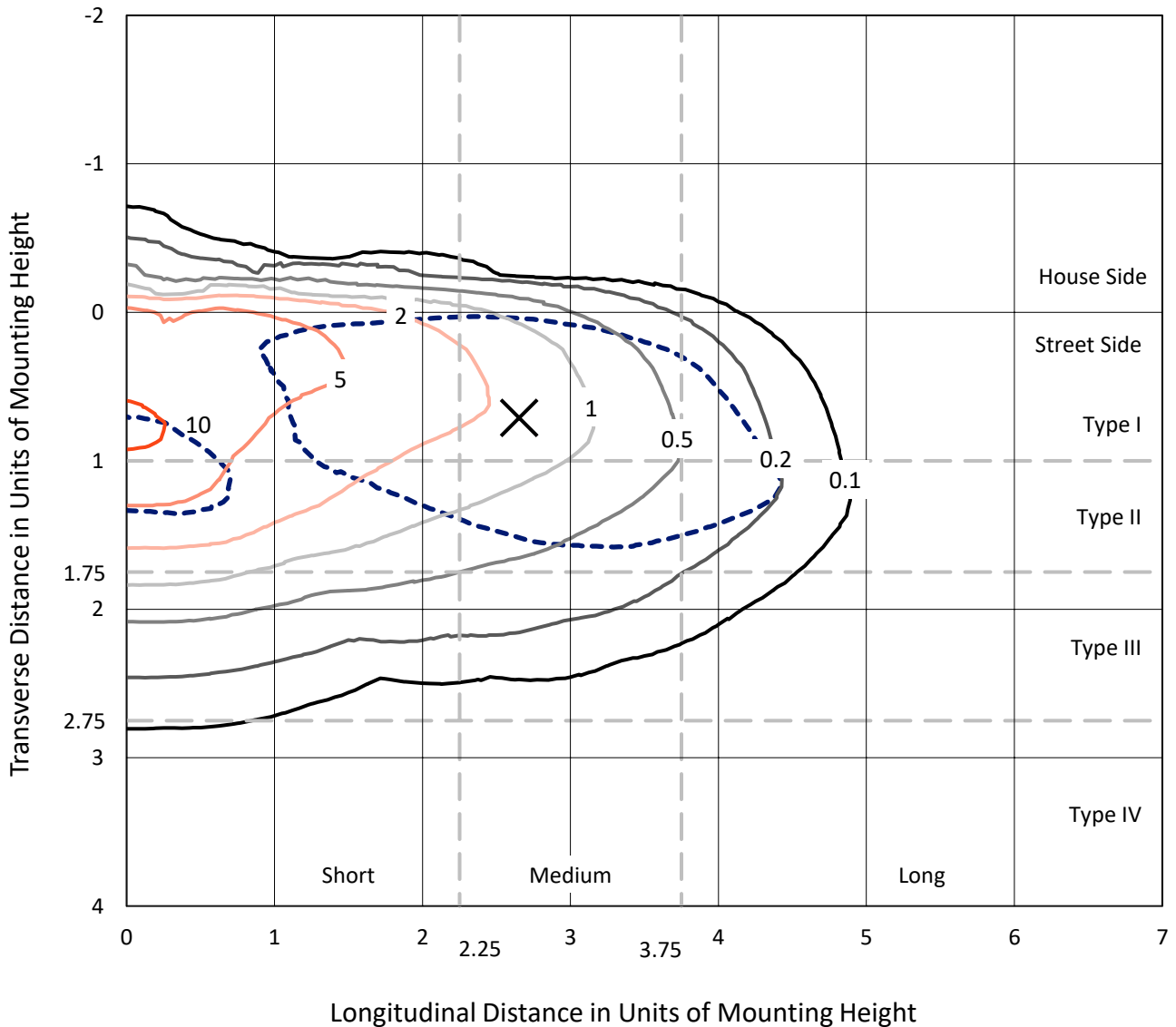
Input Watts (W): 52.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

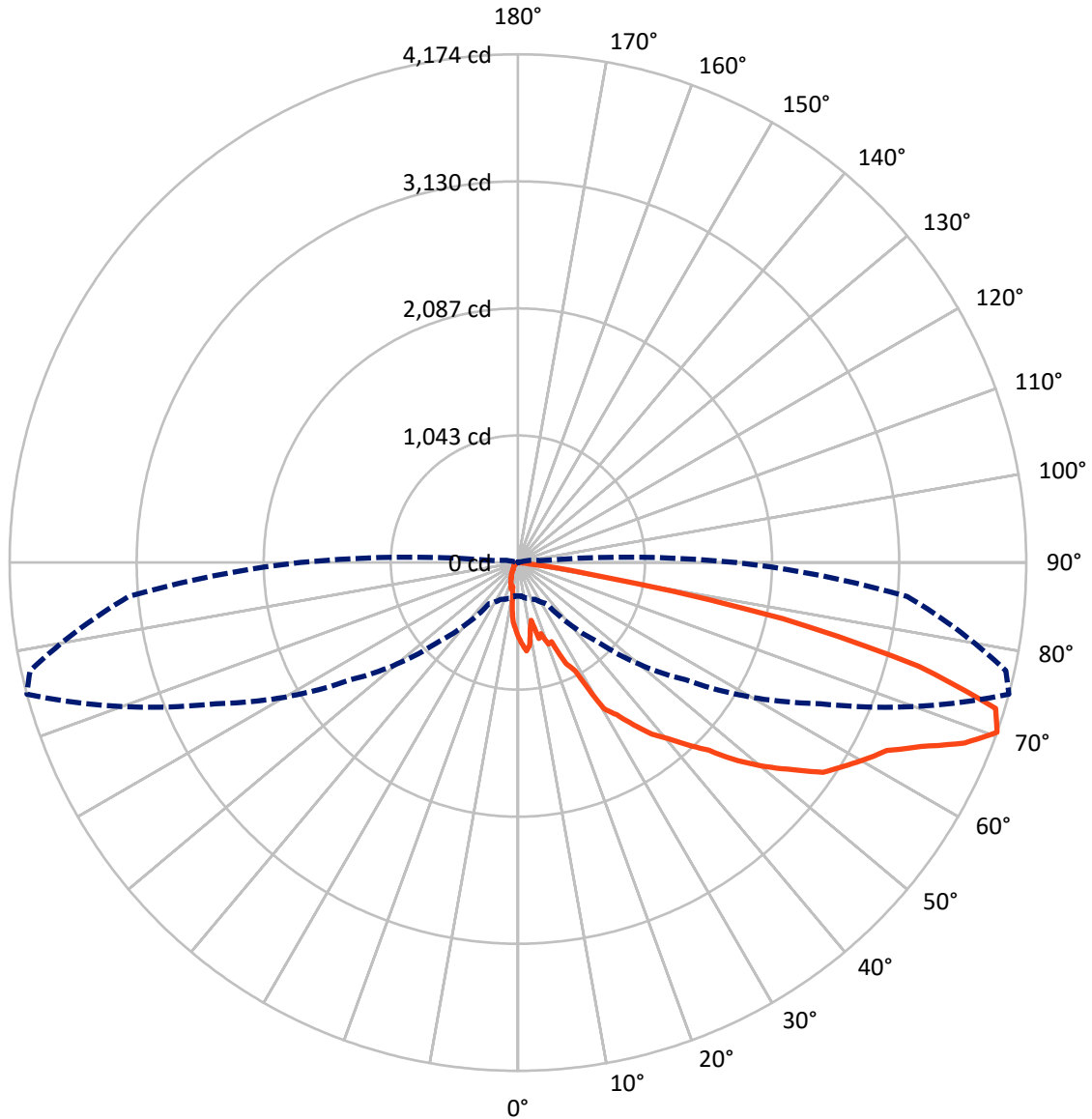
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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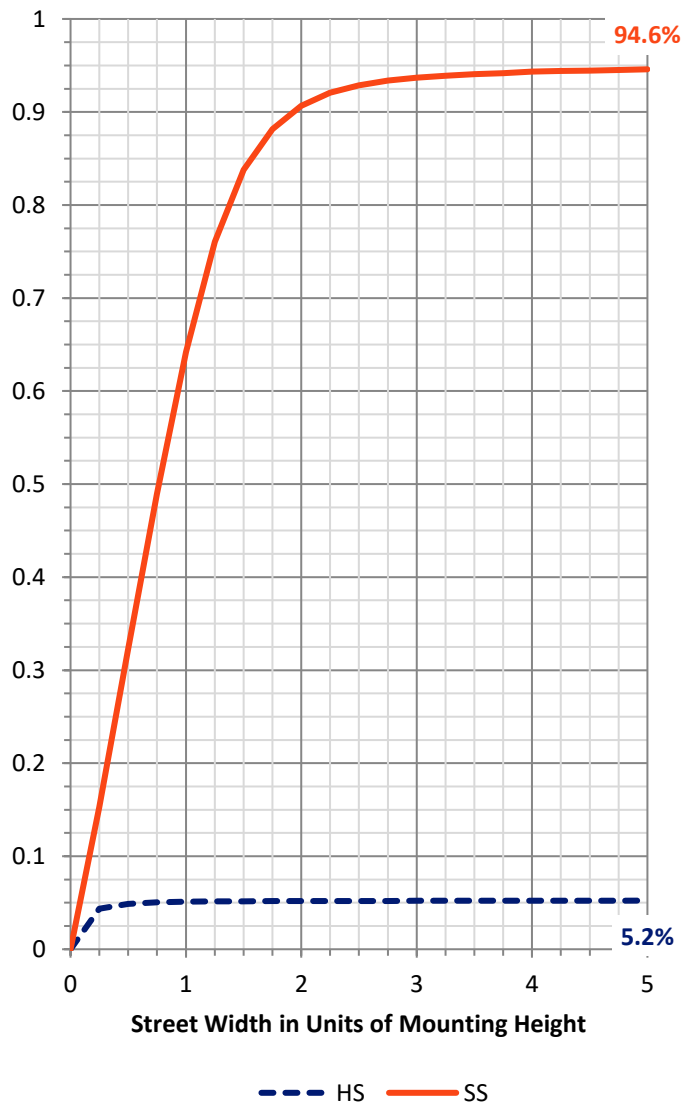
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	219.9	0.0	219.9
	% Fixture	5.3	0.0	5.3
<b>Street Side</b>	Lumens	3943.3	0.0	3943.3
	% Fixture	94.7	0.0	94.7
<b>Total</b>	Lumens	4163.2	0.0	4163.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.2	1.2
10°-20°	120.1	2.9
20°-30°	228.4	5.5
30°-40°	507.4	12.2
40°-50°	818.1	19.7
50°-60°	986.0	23.7
60°-70°	893.7	21.5
70°-80°	532.6	12.8
80°-90°	28.7	0.7
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°	4163.2	100.0
0°-180°	4163.2	100.0

**Coefficient of Utilization**



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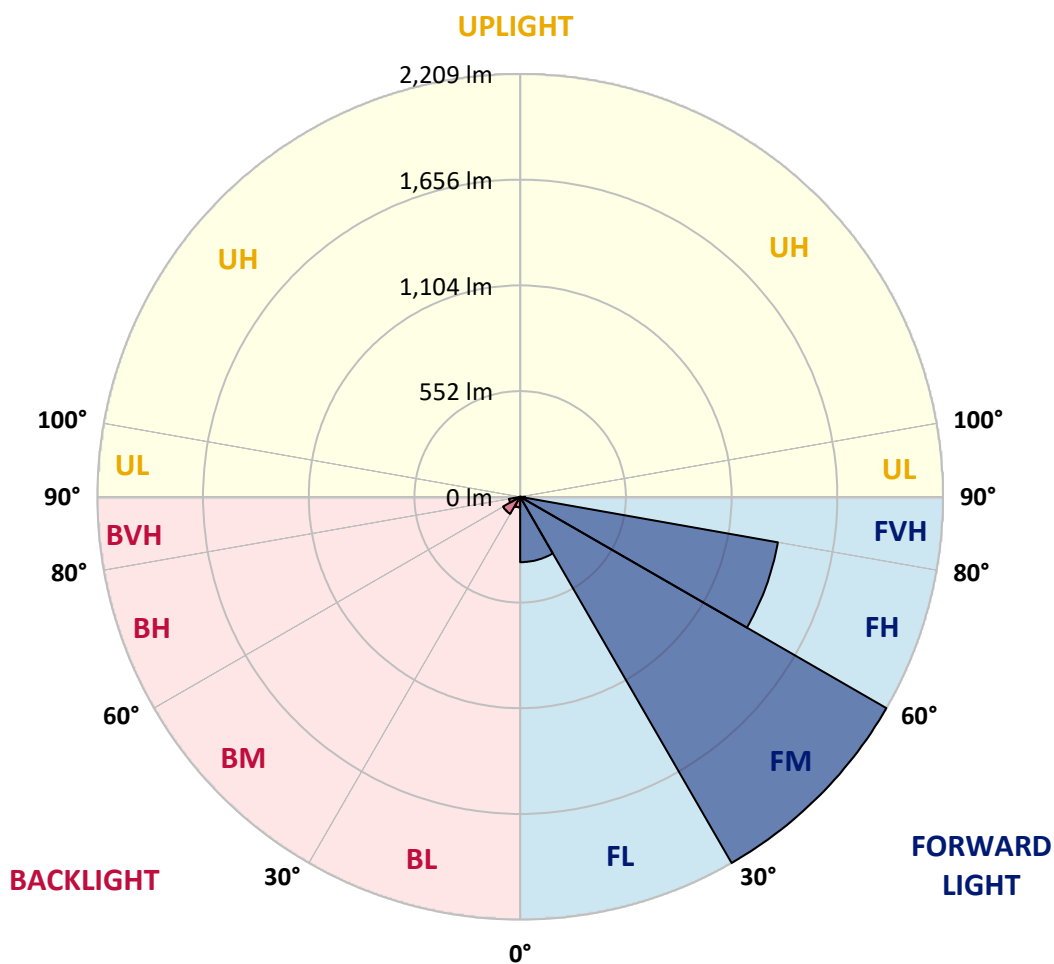
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.5	8.2			
FM	(30°-60°)	2208.6	53.1			
FH	(60°-80°)	1367.0	32.8			G1/1800
FVH	(80°-90°)	26.2	0.6			G1/100
BL	(0°-30°)	55.3	1.3	B0/110		
BM	(30°-60°)	102.9	2.5	B0/220		
BH	(60°-80°)	59.3	1.4	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	677.9	692.8	707.7	713.3	720.8	726.3	731.9	737.5	743.1	746.8	752.4
5°	771.0	769.2	767.3	765.5	765.5	763.6	761.7	759.9	758.0	754.3	752.4
7.5°	676.1	724.5	771.0	772.9	774.8	774.8	776.6	787.8	799.0	808.3	819.5
10°	879.1	879.1	879.1	879.1	879.1	877.2	877.2	879.1	879.1	880.9	880.9
12.5°	739.4	750.6	759.9	793.4	825.1	858.6	890.2	897.7	905.1	910.7	918.2
15°	894.0	897.7	901.4	903.3	905.1	905.1	907.0	879.1	851.1	823.2	795.3
17.5°	707.7	711.4	713.3	737.5	761.7	785.9	810.2	823.2	838.1	851.1	864.2
20°	907.0	908.9	910.7	912.6	914.5	914.5	916.3	856.7	797.1	737.5	677.9
22.5°	758.0	759.9	759.9	765.5	769.2	774.8	778.5	800.8	823.2	845.5	867.9
25°	1041.1	1041.1	1039.2	1029.9	1022.5	1013.2	1003.8	948.0	892.1	834.4	778.5
27.5°	968.5	970.3	970.3	962.9	955.4	948.0	940.5	951.7	964.7	975.9	987.1
30°	1396.8	1396.8	1396.8	1387.5	1376.3	1367.0	1355.8	1273.9	1192.0	1108.1	1026.2
32.5°	1877.3	1843.8	1808.4	1741.4	1674.3	1605.4	1538.4	1488.1	1437.8	1385.6	1335.4
35°	2091.5	2085.9	2080.3	2056.1	2031.9	2005.8	1981.6	1884.8	1787.9	1689.2	1592.4
37.5°	2272.2	2264.7	2255.4	2236.8	2218.2	2199.5	2180.9	2082.2	1981.6	1882.9	1782.3
40°	2417.4	2411.8	2406.3	2391.4	2376.5	2361.6	2346.7	2240.5	2134.3	2028.2	1922.0
42.5°	2521.7	2521.7	2519.9	2508.7	2495.7	2484.5	2471.4	2365.3	2259.1	2153.0	2046.8
45°	2600.0	2600.0	2600.0	2592.5	2583.2	2575.7	2566.4	2473.3	2382.0	2288.9	2195.8
47.5°	2611.1	2613.0	2614.9	2614.9	2614.9	2614.9	2614.9	2527.3	2441.6	2354.1	2266.6
50°	2508.7	2514.3	2519.9	2529.2	2540.4	2549.7	2559.0	2516.1	2471.4	2428.6	2383.9
52.5°	2234.9	2259.1	2281.5	2305.7	2329.9	2352.2	2376.5	2359.7	2342.9	2326.2	2309.4
55°	1700.4	1715.3	1728.3	1797.2	1866.2	1935.1	2004.0	2033.8	2061.7	2091.5	2119.4
57.5°	1320.5	1326.0	1329.8	1374.5	1419.2	1462.0	1506.7	1581.2	1655.7	1728.3	1802.8
60°	1061.6	1061.6	1061.6	1087.7	1111.9	1137.9	1162.2	1229.2	1296.3	1363.3	1430.3
62.5°	789.7	797.1	804.6	830.6	854.9	880.9	905.1	938.7	972.2	1005.7	1039.2
65°	547.6	556.9	564.3	581.1	599.7	616.5	633.2	661.2	691.0	718.9	746.8
67.5°	385.5	389.2	393.0	402.3	409.7	419.0	426.5	445.1	461.9	480.5	497.3
70°	273.8	275.6	275.6	283.1	290.5	298.0	305.4	312.9	320.3	325.9	333.4
72.5°	199.3	201.1	203.0	208.6	212.3	217.9	221.6	225.4	229.1	232.8	236.5
75°	102.4	106.2	108.0	122.9	137.8	152.7	167.6	169.5	171.3	171.3	173.2
77.5°	85.7	87.5	87.5	89.4	91.3	93.1	95.0	104.3	115.5	124.8	134.1
80°	61.5	61.5	59.6	63.3	67.0	70.8	74.5	78.2	81.9	83.8	87.5
82.5°	35.4	37.2	37.2	39.1	41.0	42.8	44.7	48.4	54.0	57.7	61.5
85°	3.7	5.6	7.4	11.2	14.9	18.6	22.3	27.9	31.7	37.2	41.0
87.5°	1.9	1.9	1.9	1.9	3.7	3.7	3.7	5.6	5.6	7.4	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	756.1	759.9	761.7	765.5	763.6	759.9	758.0	754.3	748.7	743.1	735.7
5°	748.7	745.0	741.2	737.5	731.9	728.2	722.6	717.0	709.6	704.0	696.5
7.5°	819.5	817.6	817.6	815.7	810.2	806.4	800.8	795.3	785.9	776.6	767.3
10°	840.0	799.0	756.1	715.2	724.5	733.8	743.1	752.4	724.5	696.5	666.7
12.5°	899.6	880.9	862.3	843.7	813.9	782.2	752.4	720.8	705.9	689.1	674.2
15°	774.8	756.1	735.7	715.2	728.2	741.2	754.3	767.3	724.5	679.8	637.0
17.5°	847.4	828.8	812.0	793.4	741.2	689.1	635.1	582.9	627.6	670.5	715.2
20°	692.8	707.7	720.8	735.7	754.3	772.9	789.7	808.3	785.9	763.6	741.2
22.5°	838.1	810.2	780.4	750.6	763.6	776.6	787.8	800.8	774.8	748.7	720.8
25°	808.3	840.0	869.8	899.6	853.0	808.3	761.7	715.2	756.1	797.1	838.1
27.5°	944.3	901.4	856.7	813.9	853.0	892.1	929.4	968.5	933.1	895.8	860.4
30°	1020.6	1015.0	1007.6	1002.0	981.5	962.9	942.4	921.9	933.1	944.3	955.4
32.5°	1272.0	1210.6	1147.3	1083.9	1098.8	1113.7	1126.8	1141.7	1124.9	1108.1	1089.5
35°	1510.4	1428.5	1344.7	1262.7	1260.9	1257.1	1255.3	1251.6	1244.1	1236.7	1229.2
37.5°	1689.2	1596.1	1503.0	1409.9	1411.7	1411.7	1413.6	1413.6	1387.5	1361.4	1335.4
40°	1836.4	1750.7	1665.0	1579.3	1571.9	1564.4	1557.0	1549.5	1514.2	1476.9	1441.5
42.5°	1961.1	1877.3	1791.7	1706.0	1692.9	1681.8	1668.7	1655.7	1625.9	1594.2	1564.4
45°	2097.1	1998.4	1899.7	1801.0	1789.8	1778.6	1767.4	1756.3	1732.1	1707.8	1683.6
47.5°	2167.9	2069.2	1968.6	1869.9	1862.4	1853.1	1845.7	1836.4	1823.3	1808.4	1795.4
50°	2268.4	2154.8	2039.4	1923.9	1920.2	1916.4	1910.9	1907.1	1903.4	1901.5	1897.8
52.5°	2221.9	2132.5	2044.9	1955.6	1957.4	1957.4	1959.3	1959.3	1968.6	1977.9	1987.2
55°	2072.9	2028.2	1981.6	1935.1	1944.4	1955.6	1964.9	1974.2	1998.4	2020.7	2044.9
57.5°	1810.3	1817.7	1825.2	1832.6	1866.2	1897.8	1931.3	1963.0	1998.4	2031.9	2067.3
60°	1471.3	1512.3	1551.4	1592.4	1670.6	1748.8	1827.0	1905.3	1959.3	2011.4	2065.4
62.5°	1097.0	1154.7	1212.4	1270.2	1391.2	1514.2	1635.2	1756.3	1838.2	1918.3	2000.2
65°	800.8	854.9	907.0	961.0	1106.3	1251.6	1396.8	1542.1	1659.4	1774.9	1892.2
67.5°	536.4	575.5	612.7	651.9	799.0	946.1	1093.2	1240.4	1402.4	1564.4	1724.6
70°	353.9	372.5	393.0	411.6	538.2	663.0	789.7	914.5	1106.3	1296.3	1488.1
72.5°	242.1	247.7	253.3	258.9	344.5	430.2	515.9	601.6	795.3	988.9	1180.8
75°	173.2	171.3	171.3	169.5	219.8	270.1	318.5	368.8	519.6	668.6	819.5
77.5°	132.2	128.5	126.6	122.9	147.1	171.3	195.6	219.8	290.5	363.2	433.9
80°	83.8	80.1	74.5	70.8	80.1	89.4	98.7	108.0	119.2	130.4	141.5
82.5°	61.5	61.5	61.5	61.5	61.5	63.3	63.3	63.3	59.6	55.9	50.3
85°	39.1	37.2	35.4	33.5	29.8	26.1	22.3	18.6	20.5	22.3	22.3
87.5°	7.4	5.6	5.6	3.7	3.7	3.7	3.7	3.7	5.6	5.6	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	730.1	722.6	715.2	707.7	700.3	692.8	685.4	677.9	670.5	659.3	650.0
5°	689.1	709.6	731.9	752.4	772.9	761.7	750.6	739.4	728.2	709.6	691.0
7.5°	758.0	733.8	711.4	689.1	664.9	670.5	676.1	681.6	687.2	670.5	648.1
10°	638.8	625.8	612.7	599.7	586.7	579.2	569.9	562.5	553.1	599.7	581.1
12.5°	657.4	651.9	646.3	638.8	633.2	596.0	560.6	523.3	486.1	471.2	476.8
15°	592.3	586.7	581.1	575.5	569.9	588.5	609.0	627.6	646.3	642.5	638.8
17.5°	758.0	733.8	711.4	687.2	663.0	651.9	638.8	627.6	614.6	594.1	588.5
20°	718.9	692.8	666.7	640.7	614.6	640.7	664.9	691.0	715.2	758.0	745.0
22.5°	694.7	737.5	782.2	825.1	867.9	826.9	787.8	746.8	705.9	718.9	655.6
25°	879.1	847.4	817.6	785.9	754.3	795.3	836.2	877.2	918.2	899.6	869.8
27.5°	823.2	854.9	884.7	916.3	946.1	961.0	977.8	992.7	1007.6	970.3	977.8
30°	966.6	1005.7	1043.0	1082.1	1119.3	1188.2	1255.3	1324.2	1391.2	1376.3	1316.7
32.5°	1072.8	1137.9	1203.1	1266.5	1331.6	1370.7	1411.7	1450.8	1489.9	1493.7	1419.2
35°	1221.8	1266.5	1311.1	1355.8	1400.5	1460.1	1517.9	1577.5	1635.2	1601.7	1517.9
37.5°	1309.3	1355.8	1404.3	1450.8	1497.4	1570.0	1642.7	1713.4	1786.1	1713.4	1622.2
40°	1404.3	1454.6	1506.7	1557.0	1607.3	1681.8	1754.4	1828.9	1901.5	1897.8	1773.0
42.5°	1532.8	1583.1	1635.2	1685.5	1735.8	1814.0	1892.2	1968.6	2046.8	2044.9	1903.4
45°	1659.4	1706.0	1750.7	1797.2	1841.9	1931.3	2020.7	2110.1	2199.5	2208.8	2048.7
47.5°	1780.5	1821.5	1862.4	1903.4	1944.4	2067.3	2188.4	2311.3	2432.3	2374.6	2201.4
50°	1894.1	1935.1	1976.0	2017.0	2058.0	2201.4	2346.7	2490.1	2633.5	2557.1	2370.9
52.5°	1996.5	2046.8	2099.0	2149.2	2199.5	2356.0	2512.4	2668.9	2825.3	2747.1	2555.3
55°	2067.3	2138.1	2207.0	2277.8	2346.7	2519.9	2694.9	2868.1	3041.3	2951.9	2730.3
57.5°	2100.8	2184.6	2270.3	2354.1	2437.9	2616.7	2797.4	2976.2	3155.0	3065.6	2838.3
60°	2117.6	2214.4	2311.3	2406.3	2503.1	2696.8	2892.4	3086.0	3279.7	3203.4	2972.4
62.5°	2080.3	2203.3	2328.0	2451.0	2573.9	2780.6	2987.3	3192.2	3398.9	3348.6	3128.9
65°	2007.7	2169.7	2333.6	2495.7	2657.7	2903.5	3149.4	3393.3	3639.2	3585.2	3365.4
67.5°	1886.6	2099.0	2311.3	2523.6	2735.9	3041.3	3344.9	3650.4	3953.9	3899.9	3648.5
70°	1678.0	1944.4	2210.7	2475.2	2741.5	3099.1	3458.5	3816.1	4173.7	4102.9	3804.9
72.5°	1374.5	1674.3	1974.2	2272.2	2572.0	2953.8	3337.5	3719.3	4101.1	3967.0	3628.0
75°	968.5	1242.2	1516.0	1787.9	2061.7	2396.9	2732.2	3065.6	3400.8	3229.5	2897.9
77.5°	504.7	674.2	841.8	1011.3	1178.9	1441.5	1702.3	1964.9	2225.6	1918.3	1668.7
80°	152.7	223.5	292.4	363.2	432.1	493.5	555.0	614.6	676.1	502.9	417.2
82.5°	46.6	61.5	74.5	89.4	102.4	102.4	102.4	100.6	100.6	80.1	67.0
85°	24.2	26.1	26.1	27.9	27.9	27.9	26.1	26.1	24.2	24.2	20.5
87.5°	7.4	7.4	9.3	9.3	9.3	9.3	9.3	7.4	7.4	7.4	7.4
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: P560646

CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	642.5	633.2	623.9	612.7	601.6	590.4	579.2	568.0	556.9	545.7	536.4
5°	674.2	655.6	637.0	616.5	594.1	571.8	551.3	530.8	508.4	488.0	469.3
7.5°	625.8	603.4	575.5	547.6	519.6	491.7	461.9	433.9	404.1	374.3	350.1
10°	560.6	542.0	512.2	480.5	447.0	411.6	372.5	333.4	294.3	255.2	238.4
12.5°	480.5	486.1	454.4	422.8	387.4	352.0	314.8	277.5	238.4	201.1	190.0
15°	635.1	631.4	590.4	549.4	495.4	441.4	387.4	331.5	277.5	221.6	193.7
17.5°	581.1	575.5	530.8	486.1	437.7	389.2	339.0	286.8	236.5	184.4	158.3
20°	733.8	720.8	664.9	607.2	536.4	463.7	393.0	322.2	251.4	180.7	150.9
22.5°	592.3	528.9	484.2	439.5	383.7	325.9	279.4	230.9	184.4	136.0	117.3
25°	838.1	808.3	731.9	653.7	555.0	456.3	376.2	296.1	216.0	136.0	113.6
27.5°	985.2	992.7	888.4	784.1	659.3	534.5	430.2	325.9	221.6	117.3	100.6
30°	1257.1	1197.5	1074.6	949.8	774.8	597.8	474.9	352.0	229.1	106.2	91.3
32.5°	1346.5	1272.0	1132.4	990.8	785.9	579.2	456.3	333.4	208.6	85.7	76.4
35°	1435.9	1352.1	1192.0	1031.8	797.1	560.6	437.7	316.6	193.7	70.8	65.2
37.5°	1530.9	1439.7	1260.9	1080.2	808.3	536.4	419.0	299.9	182.5	63.3	57.7
40°	1650.1	1525.3	1327.9	1128.6	819.5	510.3	396.7	285.0	171.3	57.7	52.1
42.5°	1763.7	1622.2	1402.4	1180.8	832.5	484.2	376.2	270.1	162.0	54.0	48.4
45°	1890.4	1730.2	1491.8	1251.6	851.1	450.7	350.1	249.6	149.0	48.4	42.8
47.5°	2028.2	1855.0	1588.7	1322.3	869.8	417.2	324.1	232.8	139.7	46.6	41.0
50°	2184.6	1998.4	1706.0	1411.7	907.0	400.4	311.0	221.6	132.2	42.8	37.2
52.5°	2365.3	2173.5	1845.7	1516.0	951.7	385.5	299.9	212.3	126.6	39.1	33.5
55°	2510.6	2288.9	1925.8	1560.7	961.0	359.4	279.4	197.4	117.3	35.4	31.7
57.5°	2613.0	2385.8	2002.1	1618.5	977.8	335.2	258.9	184.4	108.0	31.7	27.9
60°	2739.6	2508.7	2097.1	1683.6	998.3	312.9	242.1	171.3	98.7	27.9	24.2
62.5°	2909.1	2689.3	2233.1	1774.9	1031.8	286.8	221.6	156.4	89.4	24.2	22.3
65°	3143.8	2924.0	2393.2	1862.4	1063.4	262.6	203.0	143.4	81.9	22.3	20.5
67.5°	3395.2	3143.8	2519.9	1894.1	1063.4	232.8	180.7	126.6	74.5	20.5	18.6
70°	3507.0	3209.0	2499.4	1787.9	987.1	186.2	145.3	102.4	61.5	18.6	16.8
72.5°	3290.9	2951.9	2221.9	1491.8	804.6	117.3	91.3	67.0	41.0	14.9	13.0
75°	2564.6	2233.1	1657.6	1080.2	569.9	57.7	46.6	35.4	22.3	11.2	9.3
77.5°	1421.0	1171.5	851.1	530.8	283.1	33.5	27.9	22.3	14.9	9.3	9.3
80°	333.4	247.7	180.7	111.7	67.0	20.5	16.8	14.9	11.2	7.4	7.4
82.5°	54.0	41.0	29.8	18.6	14.9	11.2	9.3	9.3	7.4	5.6	5.6
85°	16.8	13.0	11.2	7.4	7.4	5.6	5.6	5.6	3.7	3.7	3.7
87.5°	5.6	5.6	5.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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: P560646

CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	525.2	515.9	504.7	497.3	489.8	480.5	473.1	465.6	458.2	450.7	443.3
5°	450.7	430.2	411.6	387.4	361.3	337.1	311.0	299.9	290.5	279.4	268.2
7.5°	325.9	301.7	277.5	268.2	258.9	247.7	238.4	229.1	219.8	210.5	201.1
10°	223.5	206.7	190.0	182.5	175.1	165.8	158.3	150.9	143.4	134.1	126.6
12.5°	178.8	165.8	154.6	141.5	128.5	115.5	102.4	98.7	95.0	89.4	85.7
15°	163.9	136.0	106.2	96.8	89.4	80.1	70.8	68.9	68.9	67.0	65.2
17.5°	132.2	106.2	80.1	76.4	70.8	67.0	61.5	57.7	54.0	50.3	46.6
20°	121.1	91.3	61.5	59.6	57.7	54.0	52.1	50.3	50.3	48.4	46.6
22.5°	100.6	81.9	63.3	57.7	52.1	46.6	41.0	41.0	42.8	42.8	42.8
25°	91.3	68.9	46.6	46.6	44.7	44.7	42.8	41.0	37.2	35.4	31.7
27.5°	83.8	67.0	50.3	46.6	42.8	39.1	35.4	35.4	33.5	33.5	31.7
30°	78.2	63.3	48.4	44.7	42.8	39.1	35.4	33.5	31.7	27.9	26.1
32.5°	68.9	59.6	50.3	46.6	41.0	37.2	31.7	29.8	27.9	24.2	22.3
35°	59.6	52.1	46.6	42.8	37.2	33.5	27.9	26.1	24.2	22.3	20.5
37.5°	52.1	46.6	41.0	37.2	33.5	27.9	24.2	22.3	20.5	18.6	16.8
40°	46.6	41.0	35.4	31.7	27.9	24.2	20.5	18.6	18.6	16.8	14.9
42.5°	42.8	37.2	31.7	27.9	26.1	22.3	18.6	16.8	14.9	13.0	11.2
45°	39.1	33.5	27.9	26.1	22.3	20.5	16.8	14.9	13.0	11.2	9.3
47.5°	35.4	29.8	24.2	22.3	20.5	16.8	14.9	13.0	11.2	9.3	7.4
50°	33.5	27.9	22.3	20.5	18.6	14.9	13.0	11.2	11.2	9.3	7.4
52.5°	29.8	24.2	18.6	16.8	14.9	13.0	11.2	9.3	9.3	7.4	5.6
55°	26.1	22.3	16.8	14.9	13.0	11.2	9.3	7.4	7.4	5.6	3.7
57.5°	24.2	18.6	14.9	13.0	11.2	9.3	7.4	7.4	5.6	5.6	3.7
60°	20.5	16.8	13.0	11.2	9.3	7.4	5.6	5.6	3.7	3.7	1.9
62.5°	18.6	16.8	13.0	11.2	9.3	7.4	5.6	5.6	3.7	3.7	1.9
65°	16.8	14.9	11.2	9.3	9.3	7.4	5.6	5.6	3.7	3.7	1.9
67.5°	16.8	13.0	11.2	9.3	7.4	5.6	3.7	3.7	3.7	1.9	1.9
70°	13.0	11.2	7.4	7.4	5.6	5.6	3.7	3.7	3.7	1.9	1.9
72.5°	11.2	9.3	7.4	7.4	5.6	5.6	3.7	3.7	3.7	1.9	1.9
75°	9.3	7.4	5.6	5.6	5.6	3.7	3.7	3.7	3.7	1.9	1.9
77.5°	7.4	7.4	5.6	5.6	5.6	3.7	3.7	3.7	3.7	1.9	1.9
80°	5.6	5.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.9	1.9
82.5°	5.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.9	1.9
85°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.9	1.9
87.5°	3.7	3.7	3.7	3.7	5.6	5.6	5.6	5.6	3.7	3.7	1.9
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: P560646  
 CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	435.8	426.5	419.0	409.7	396.7	381.8	368.8	353.9	352.0	350.1	346.4
5°	262.6	257.0	251.4	245.8	242.1	238.4	234.7	230.9	227.2	225.4	221.6
7.5°	193.7	186.2	178.8	171.3	165.8	162.0	156.4	150.9	147.1	141.5	137.8
10°	119.2	109.9	102.4	93.1	96.8	100.6	102.4	106.2	106.2	104.3	104.3
12.5°	85.7	85.7	85.7	85.7	85.7	85.7	83.8	83.8	83.8	81.9	81.9
15°	63.3	61.5	59.6	57.7	57.7	57.7	55.9	55.9	59.6	61.5	65.2
17.5°	48.4	50.3	50.3	52.1	54.0	55.9	55.9	57.7	57.7	59.6	59.6
20°	46.6	46.6	44.7	44.7	42.8	42.8	41.0	39.1	41.0	44.7	46.6
22.5°	41.0	37.2	35.4	31.7	33.5	37.2	39.1	41.0	41.0	41.0	41.0
25°	33.5	33.5	35.4	35.4	33.5	31.7	29.8	27.9	29.8	31.7	31.7
27.5°	29.8	27.9	26.1	24.2	26.1	26.1	27.9	27.9	27.9	27.9	26.1
30°	26.1	26.1	24.2	24.2	24.2	22.3	22.3	20.5	22.3	22.3	24.2
32.5°	22.3	20.5	20.5	18.6	18.6	20.5	20.5	20.5	20.5	20.5	20.5
35°	20.5	18.6	18.6	16.8	16.8	16.8	16.8	16.8	18.6	18.6	20.5
37.5°	16.8	14.9	14.9	13.0	13.0	14.9	14.9	14.9	14.9	16.8	16.8
40°	14.9	13.0	13.0	11.2	11.2	13.0	13.0	13.0	13.0	14.9	14.9
42.5°	11.2	11.2	9.3	9.3	9.3	11.2	11.2	11.2	11.2	13.0	13.0
45°	9.3	9.3	7.4	7.4	7.4	9.3	9.3	9.3	9.3	9.3	9.3
47.5°	7.4	7.4	5.6	5.6	5.6	7.4	7.4	7.4	7.4	7.4	7.4
50°	7.4	5.6	5.6	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	5.6	5.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9
57.5°	3.7	3.7	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9
60°	1.9	1.9	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9
62.5°	1.9	1.9	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	3.7
65°	1.9	1.9	1.9	1.9	3.7	3.7	5.6	5.6	5.6	5.6	3.7
67.5°	1.9	1.9	1.9	1.9	3.7	3.7	5.6	5.6	5.6	3.7	3.7
70°	1.9	3.7	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	3.7
72.5°	1.9	3.7	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	3.7
75°	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.7
77.5°	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.7
80°	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.7
82.5°	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.7
85°	3.7	5.6	5.6	7.4	7.4	7.4	5.6	5.6	5.6	5.6	3.7
87.5°	3.7	5.6	5.6	7.4	7.4	7.4	5.6	5.6	5.6	5.6	3.7
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: P560646  
 CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	344.5	340.8	337.1	331.5	327.8	331.5	335.2	331.5	327.8	331.5	337.1
5°	217.9	216.0	216.0	214.2	212.3	212.3	210.5	212.3	212.3	214.2	216.0
7.5°	132.2	130.4	128.5	124.8	122.9	126.6	128.5	126.6	122.9	124.8	128.5
10°	102.4	102.4	100.6	100.6	98.7	98.7	98.7	98.7	98.7	100.6	100.6
12.5°	80.1	78.2	76.4	74.5	72.6	76.4	78.2	76.4	72.6	74.5	76.4
15°	67.0	67.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
17.5°	59.6	57.7	57.7	55.9	54.0	54.0	52.1	54.0	54.0	55.9	57.7
20°	48.4	48.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
22.5°	41.0	39.1	39.1	37.2	35.4	35.4	33.5	35.4	35.4	37.2	39.1
25°	33.5	33.5	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
27.5°	26.1	26.1	26.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	26.1
30°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
32.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
35°	20.5	20.5	20.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	20.5
37.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
40°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
42.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
45°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
47.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
50°	5.6	5.6	5.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6
52.5°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7
55°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
62.5°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7
65°	3.7	3.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9
67.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
70°	3.7	3.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9
72.5°	3.7	3.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9
75°	3.7	3.7	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9
77.5°	3.7	3.7	3.7	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
80°	3.7	3.7	3.7	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
82.5°	3.7	3.7	3.7	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
85°	3.7	3.7	3.7	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
87.5°	3.7	3.7	3.7	1.9	1.9	1.9	0.0	1.9	1.9	1.9	3.7
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: P560646

CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	340.8	344.5	346.4	350.1	352.0	353.9	368.8	381.8	396.7	409.7	419.0
5°	216.0	217.9	221.6	225.4	227.2	230.9	234.7	238.4	242.1	245.8	251.4
7.5°	130.4	132.2	137.8	141.5	147.1	150.9	156.4	162.0	165.8	171.3	178.8
10°	102.4	102.4	104.3	104.3	106.2	106.2	102.4	100.6	96.8	93.1	102.4
12.5°	78.2	80.1	81.9	81.9	83.8	83.8	83.8	85.7	85.7	85.7	85.7
15°	67.0	67.0	65.2	61.5	59.6	55.9	55.9	57.7	57.7	57.7	59.6
17.5°	57.7	59.6	59.6	59.6	57.7	57.7	55.9	55.9	54.0	52.1	50.3
20°	48.4	48.4	46.6	44.7	41.0	39.1	41.0	42.8	42.8	44.7	44.7
22.5°	39.1	41.0	41.0	41.0	41.0	41.0	39.1	37.2	33.5	31.7	35.4
25°	33.5	33.5	31.7	31.7	29.8	27.9	29.8	31.7	33.5	35.4	35.4
27.5°	26.1	26.1	26.1	27.9	27.9	27.9	27.9	26.1	26.1	24.2	26.1
30°	24.2	24.2	24.2	22.3	22.3	20.5	22.3	22.3	24.2	24.2	24.2
32.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	18.6	18.6	20.5
35°	20.5	20.5	20.5	18.6	18.6	16.8	16.8	16.8	16.8	16.8	18.6
37.5°	16.8	16.8	16.8	16.8	14.9	14.9	14.9	14.9	13.0	13.0	14.9
40°	14.9	14.9	14.9	14.9	13.0	13.0	13.0	13.0	11.2	11.2	13.0
42.5°	13.0	13.0	13.0	13.0	11.2	11.2	11.2	11.2	9.3	9.3	9.3
45°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.4	7.4	7.4
47.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.6	5.6	5.6
50°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.7	3.7	5.6
52.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
55°	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9	1.9	1.9
60°	1.9	1.9	1.9	3.7	3.7	3.7	3.7	3.7	1.9	1.9	1.9
62.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.9	1.9	1.9
65°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	3.7	3.7	1.9	1.9
67.5°	1.9	1.9	3.7	3.7	5.6	5.6	5.6	3.7	3.7	1.9	1.9
70°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	3.7	3.7	3.7
72.5°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	3.7	3.7	3.7
75°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
77.5°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
80°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
82.5°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
85°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	7.4	7.4	7.4	5.6
87.5°	3.7	3.7	3.7	5.6	5.6	5.6	5.6	7.4	7.4	7.4	5.6
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: P560646  
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**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	426.5	435.8	443.3	450.7	458.2	465.6	473.1	480.5	489.8	497.3	504.7
5°	257.0	262.6	268.2	279.4	290.5	299.9	311.0	337.1	361.3	387.4	411.6
7.5°	186.2	193.7	201.1	210.5	219.8	229.1	238.4	247.7	258.9	268.2	277.5
10°	109.9	119.2	126.6	134.1	143.4	150.9	158.3	165.8	175.1	182.5	190.0
12.5°	85.7	85.7	85.7	89.4	95.0	98.7	102.4	115.5	128.5	141.5	154.6
15°	61.5	63.3	65.2	67.0	68.9	68.9	70.8	80.1	89.4	96.8	106.2
17.5°	50.3	48.4	46.6	50.3	54.0	57.7	61.5	67.0	70.8	76.4	80.1
20°	46.6	46.6	46.6	48.4	50.3	50.3	52.1	54.0	57.7	59.6	61.5
22.5°	37.2	41.0	42.8	42.8	42.8	41.0	41.0	46.6	52.1	57.7	63.3
25°	33.5	33.5	31.7	35.4	37.2	41.0	42.8	44.7	44.7	46.6	46.6
27.5°	27.9	29.8	31.7	33.5	33.5	35.4	35.4	39.1	42.8	46.6	50.3
30°	26.1	26.1	26.1	27.9	31.7	33.5	35.4	39.1	42.8	44.7	48.4
32.5°	20.5	22.3	22.3	24.2	27.9	29.8	31.7	37.2	41.0	46.6	50.3
35°	18.6	20.5	20.5	22.3	24.2	26.1	27.9	33.5	37.2	42.8	46.6
37.5°	14.9	16.8	16.8	18.6	20.5	22.3	24.2	27.9	33.5	37.2	41.0
40°	13.0	14.9	14.9	16.8	18.6	18.6	20.5	24.2	27.9	31.7	35.4
42.5°	11.2	11.2	11.2	13.0	14.9	16.8	18.6	22.3	26.1	27.9	31.7
45°	9.3	9.3	9.3	11.2	13.0	14.9	16.8	20.5	22.3	26.1	27.9
47.5°	7.4	7.4	7.4	9.3	11.2	13.0	14.9	16.8	20.5	22.3	24.2
50°	5.6	7.4	7.4	9.3	11.2	11.2	13.0	14.9	18.6	20.5	22.3
52.5°	5.6	5.6	5.6	7.4	9.3	9.3	11.2	13.0	14.9	16.8	18.6
55°	3.7	3.7	3.7	5.6	7.4	7.4	9.3	11.2	13.0	14.9	16.8
57.5°	3.7	3.7	3.7	5.6	5.6	7.4	7.4	9.3	11.2	13.0	14.9
60°	1.9	1.9	1.9	3.7	3.7	5.6	5.6	7.4	9.3	11.2	13.0
62.5°	1.9	1.9	1.9	3.7	3.7	5.6	5.6	7.4	9.3	11.2	13.0
65°	1.9	1.9	1.9	3.7	3.7	5.6	5.6	7.4	9.3	9.3	11.2
67.5°	1.9	1.9	1.9	1.9	3.7	3.7	3.7	5.6	7.4	9.3	11.2
70°	3.7	1.9	1.9	1.9	3.7	3.7	3.7	5.6	5.6	7.4	7.4
72.5°	3.7	1.9	1.9	1.9	3.7	3.7	3.7	5.6	5.6	7.4	7.4
75°	3.7	3.7	1.9	1.9	3.7	3.7	3.7	3.7	5.6	5.6	5.6
77.5°	3.7	3.7	1.9	1.9	3.7	3.7	3.7	3.7	5.6	5.6	5.6
80°	3.7	3.7	1.9	1.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	1.9	1.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	5.6	3.7	1.9	1.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7
87.5°	5.6	3.7	1.9	3.7	3.7	5.6	5.6	5.6	5.6	3.7	3.7
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):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	515.9	525.2	536.4	545.7	556.9	568.0	579.2	590.4	601.6	612.7	623.9
5°	430.2	450.7	469.3	488.0	508.4	530.8	551.3	571.8	594.1	616.5	637.0
7.5°	301.7	325.9	350.1	374.3	404.1	433.9	461.9	491.7	519.6	547.6	575.5
10°	206.7	223.5	238.4	255.2	294.3	333.4	372.5	411.6	447.0	480.5	512.2
12.5°	165.8	178.8	190.0	201.1	238.4	277.5	314.8	352.0	387.4	422.8	454.4
15°	136.0	163.9	193.7	221.6	277.5	331.5	387.4	441.4	495.4	549.4	590.4
17.5°	106.2	132.2	158.3	184.4	236.5	286.8	339.0	389.2	437.7	486.1	530.8
20°	91.3	121.1	150.9	180.7	251.4	322.2	393.0	463.7	536.4	607.2	664.9
22.5°	81.9	100.6	117.3	136.0	184.4	230.9	279.4	325.9	383.7	439.5	484.2
25°	68.9	91.3	113.6	136.0	216.0	296.1	376.2	456.3	555.0	653.7	731.9
27.5°	67.0	83.8	100.6	117.3	221.6	325.9	430.2	534.5	659.3	784.1	888.4
30°	63.3	78.2	91.3	106.2	229.1	352.0	474.9	597.8	774.8	949.8	1074.6
32.5°	59.6	68.9	76.4	85.7	208.6	333.4	456.3	579.2	785.9	990.8	1132.4
35°	52.1	59.6	65.2	70.8	193.7	316.6	437.7	560.6	797.1	1031.8	1192.0
37.5°	46.6	52.1	57.7	63.3	182.5	299.9	419.0	536.4	808.3	1080.2	1260.9
40°	41.0	46.6	52.1	57.7	171.3	285.0	396.7	510.3	819.5	1128.6	1327.9
42.5°	37.2	42.8	48.4	54.0	162.0	270.1	376.2	484.2	832.5	1180.8	1402.4
45°	33.5	39.1	42.8	48.4	149.0	249.6	350.1	450.7	851.1	1251.6	1491.8
47.5°	29.8	35.4	41.0	46.6	139.7	232.8	324.1	417.2	869.8	1322.3	1588.7
50°	27.9	33.5	37.2	42.8	132.2	221.6	311.0	400.4	907.0	1411.7	1706.0
52.5°	24.2	29.8	33.5	39.1	126.6	212.3	299.9	385.5	951.7	1516.0	1845.7
55°	22.3	26.1	31.7	35.4	117.3	197.4	279.4	359.4	961.0	1560.7	1925.8
57.5°	18.6	24.2	27.9	31.7	108.0	184.4	258.9	335.2	977.8	1618.5	2002.1
60°	16.8	20.5	24.2	27.9	98.7	171.3	242.1	312.9	998.3	1683.6	2097.1
62.5°	16.8	18.6	22.3	24.2	89.4	156.4	221.6	286.8	1031.8	1774.9	2233.1
65°	14.9	16.8	20.5	22.3	81.9	143.4	203.0	262.6	1063.4	1862.4	2393.2
67.5°	13.0	16.8	18.6	20.5	74.5	126.6	180.7	232.8	1063.4	1894.1	2519.9
70°	11.2	13.0	16.8	18.6	61.5	102.4	145.3	186.2	987.1	1787.9	2499.4
72.5°	9.3	11.2	13.0	14.9	41.0	67.0	91.3	117.3	804.6	1491.8	2221.9
75°	7.4	9.3	9.3	11.2	22.3	35.4	46.6	57.7	569.9	1080.2	1657.6
77.5°	7.4	7.4	9.3	9.3	14.9	22.3	27.9	33.5	283.1	530.8	851.1
80°	5.6	5.6	7.4	7.4	11.2	14.9	16.8	20.5	67.0	111.7	180.7
82.5°	3.7	5.6	5.6	5.6	7.4	9.3	9.3	11.2	14.9	18.6	29.8
85°	3.7	3.7	3.7	3.7	3.7	5.6	5.6	5.6	7.4	7.4	11.2
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6
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-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	633.2	642.5	650.0	659.3	670.5	677.9	685.4	692.8	700.3	707.7	715.2
5°	655.6	674.2	691.0	709.6	728.2	739.4	750.6	761.7	772.9	784.1	795.3
7.5°	603.4	625.8	648.1	670.5	687.2	681.6	676.1	670.5	664.9	659.3	653.7
10°	542.0	560.6	581.1	599.7	553.1	562.5	569.9	579.2	586.7	594.1	601.5
12.5°	486.1	480.5	476.8	471.2	486.1	523.3	560.6	596.0	633.2	638.8	646.3
15°	631.4	635.1	638.8	642.5	646.3	627.6	609.0	588.5	569.9	575.5	581.1
17.5°	575.5	581.1	588.5	594.1	614.6	627.6	638.8	651.9	663.0	687.2	711.4
20°	720.8	733.8	745.0	758.0	715.2	691.0	664.9	640.7	614.6	640.7	666.7
22.5°	528.9	592.3	655.6	718.9	705.9	746.8	787.8	826.9	867.9	825.1	782.2
25°	808.3	838.1	869.8	899.6	918.2	877.2	836.2	795.3	754.3	785.9	817.6
27.5°	992.7	985.2	977.8	970.3	1007.6	992.7	977.8	961.0	946.1	916.3	884.7
30°	1197.5	1257.1	1316.7	1376.3	1391.2	1324.2	1255.3	1188.2	1119.3	1082.1	1043.0
32.5°	1272.0	1346.5	1419.2	1493.7	1489.9	1450.8	1411.7	1370.7	1331.6	1266.5	1203.1
35°	1352.1	1435.9	1517.9	1601.7	1635.2	1577.5	1517.9	1460.1	1400.5	1355.8	1311.1
37.5°	1439.7	1530.9	1622.2	1713.4	1786.1	1713.4	1642.7	1570.0	1497.4	1450.8	1404.3
40°	1525.3	1650.1	1773.0	1897.8	1901.5	1828.9	1754.4	1681.8	1607.3	1557.0	1506.7
42.5°	1622.2	1763.7	1903.4	2044.9	2046.8	1968.6	1892.2	1814.0	1735.8	1685.5	1635.2
45°	1730.2	1890.4	2048.7	2208.8	2199.5	2110.1	2020.7	1931.3	1841.9	1797.2	1750.7
47.5°	1855.0	2028.2	2201.4	2374.6	2432.3	2311.3	2188.4	2067.3	1944.4	1903.4	1862.4
50°	1998.4	2184.6	2370.9	2557.1	2633.5	2490.1	2346.7	2201.4	2058.0	2017.0	1976.0
52.5°	2173.5	2365.3	2555.3	2747.1	2825.3	2668.9	2512.4	2356.0	2199.5	2149.2	2099.0
55°	2288.9	2510.6	2730.3	2951.9	3041.3	2868.1	2694.9	2519.9	2346.7	2277.8	2207.0
57.5°	2385.8	2613.0	2838.3	3065.6	3155.0	2976.2	2797.4	2616.7	2437.9	2354.1	2270.3
60°	2508.7	2739.6	2972.4	3203.4	3279.7	3086.0	2892.4	2696.8	2503.1	2406.3	2311.3
62.5°	2689.3	2909.1	3128.9	3348.6	3398.9	3192.2	2987.3	2780.6	2573.9	2451.0	2328.0
65°	2924.0	3143.8	3365.4	3585.2	3639.2	3393.3	3149.4	2903.5	2657.7	2495.7	2333.6
67.5°	3143.8	3395.2	3648.5	3899.9	3953.9	3650.4	3344.9	3041.3	2735.9	2523.6	2311.3
70°	3209.0	3507.0	3804.9	4102.9	4173.7	3816.1	3458.5	3099.1	2741.5	2475.2	2210.7
72.5°	2951.9	3290.9	3628.0	3967.0	4101.1	3719.3	3337.5	2953.8	2572.0	2272.2	1974.2
75°	2233.1	2564.6	2897.9	3229.5	3400.8	3065.6	2732.2	2396.9	2061.7	1787.9	1516.0
77.5°	1171.5	1421.0	1668.7	1918.3	2225.6	1964.9	1702.3	1441.5	1178.9	1011.3	841.8
80°	247.7	333.4	417.2	502.9	676.1	614.6	555.0	493.5	432.1	363.2	292.4
82.5°	41.0	54.0	67.0	80.1	100.6	100.6	102.4	102.4	102.4	89.4	74.5
85°	13.0	16.8	20.5	24.2	24.2	26.1	26.1	27.9	27.9	27.9	26.1
87.5°	5.6	5.6	7.4	7.4	7.4	7.4	9.3	9.3	9.3	9.3	9.3
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: P560646

CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	722.6	730.1	735.7	743.1	748.7	754.3	758.0	759.9	763.6	765.5	761.7
5°	709.6	689.1	696.5	704.0	709.6	717.0	722.6	728.2	731.9	737.5	741.2
7.5°	735.7	758.0	767.3	776.6	785.9	795.3	800.8	806.4	810.2	815.7	817.6
10°	625.8	638.8	666.7	696.5	724.5	752.4	743.1	733.8	724.5	715.2	756.1
12.5°	651.9	657.4	674.2	689.1	705.9	720.8	752.4	782.2	813.9	843.7	862.3
15°	586.7	592.3	637.0	679.8	724.5	767.3	754.3	741.2	728.2	715.2	735.7
17.5°	733.8	758.0	715.2	670.5	627.6	582.9	635.1	689.1	741.2	793.4	812.0
20°	692.8	718.9	741.2	763.6	785.9	808.3	789.7	772.9	754.3	735.7	720.8
22.5°	737.5	694.7	720.8	748.7	774.8	800.8	787.8	776.6	763.6	750.6	780.4
25°	847.4	879.1	838.1	797.1	756.1	715.2	761.7	808.3	853.0	899.6	869.8
27.5°	854.9	823.2	860.4	895.8	933.1	968.5	929.4	892.1	853.0	813.9	856.7
30°	1005.7	966.6	955.4	944.3	933.1	921.9	942.4	962.9	981.5	1002.0	1007.6
32.5°	1137.9	1072.8	1089.5	1108.1	1124.9	1141.7	1126.8	1113.7	1098.8	1083.9	1147.3
35°	1266.5	1221.8	1229.2	1236.7	1244.1	1251.6	1255.3	1257.1	1260.9	1262.7	1344.7
37.5°	1355.8	1309.3	1335.4	1361.4	1387.5	1413.6	1413.6	1411.7	1411.7	1409.9	1503.0
40°	1454.6	1404.3	1441.5	1476.9	1514.2	1549.5	1557.0	1564.4	1571.9	1579.3	1665.0
42.5°	1583.1	1532.8	1564.4	1594.2	1625.9	1655.7	1668.7	1681.8	1692.9	1706.0	1791.7
45°	1706.0	1659.4	1683.6	1707.8	1732.1	1756.3	1767.4	1778.6	1789.8	1801.0	1899.7
47.5°	1821.5	1780.5	1795.4	1808.4	1823.3	1836.4	1845.7	1853.1	1862.4	1869.9	1968.6
50°	1935.1	1894.1	1897.8	1901.5	1903.4	1907.1	1910.9	1916.4	1920.2	1923.9	2039.4
52.5°	2046.8	1996.5	1987.2	1977.9	1968.6	1959.3	1959.3	1957.4	1957.4	1955.6	2044.9
55°	2138.1	2067.3	2044.9	2020.7	1998.4	1974.2	1964.9	1955.6	1944.4	1935.1	1981.6
57.5°	2184.6	2100.8	2067.3	2031.9	1998.4	1963.0	1931.3	1897.8	1866.2	1832.6	1825.2
60°	2214.4	2117.6	2065.4	2011.4	1959.3	1905.3	1827.0	1748.8	1670.6	1592.4	1551.4
62.5°	2203.3	2080.3	2000.2	1918.3	1838.2	1756.3	1635.2	1514.2	1391.2	1270.2	1212.4
65°	2169.7	2007.7	1892.2	1774.9	1659.4	1542.1	1396.8	1251.6	1106.3	961.0	907.0
67.5°	2099.0	1886.6	1724.6	1564.4	1402.4	1240.4	1093.2	946.1	799.0	651.9	612.7
70°	1944.4	1678.0	1488.1	1296.3	1106.3	914.5	789.7	663.0	538.2	411.6	393.0
72.5°	1674.3	1374.5	1180.8	988.9	795.3	601.6	515.9	430.2	344.5	258.9	253.3
75°	1242.2	968.5	819.5	668.6	519.6	368.8	318.5	270.1	219.8	169.5	171.3
77.5°	674.2	504.7	433.9	363.2	290.5	219.8	195.6	171.3	147.1	122.9	126.6
80°	223.5	152.7	141.5	130.4	119.2	108.0	98.7	89.4	80.1	70.8	74.5
82.5°	61.5	46.6	50.3	55.9	59.6	63.3	63.3	63.3	61.5	61.5	61.5
85°	26.1	24.2	22.3	22.3	20.5	18.6	22.3	26.1	29.8	33.5	35.4
87.5°	7.4	7.4	7.4	5.6	5.6	3.7	3.7	3.7	3.7	3.7	5.6
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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**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9	610.9
2.5°	759.9	756.1	752.4	746.8	743.1	737.5	731.9	726.3	720.8	713.3	707.7
5°	745.0	748.7	752.4	754.3	758.0	759.9	761.7	763.6	765.5	765.5	767.3
7.5°	817.6	819.5	819.5	808.3	799.0	787.8	776.6	774.8	774.8	772.9	771.0
10°	799.0	840.0	880.9	880.9	879.1	879.1	877.2	877.2	879.1	879.1	879.1
12.5°	880.9	899.6	918.2	910.7	905.1	897.7	890.2	858.6	825.1	793.4	759.9
15°	756.1	774.8	795.3	823.2	851.1	879.1	907.0	905.1	905.1	903.3	901.4
17.5°	828.8	847.4	864.2	851.1	838.1	823.2	810.2	785.9	761.7	737.5	713.3
20°	707.7	692.8	677.9	737.5	797.1	856.7	916.3	914.5	914.5	912.6	910.7
22.5°	810.2	838.1	867.9	845.5	823.2	800.8	778.5	774.8	769.2	765.5	759.9
25°	840.0	808.3	778.5	834.4	892.1	948.0	1003.8	1013.2	1022.5	1029.9	1039.2
27.5°	901.4	944.3	987.1	975.9	964.7	951.7	940.5	948.0	955.4	962.9	970.3
30°	1015.0	1020.6	1026.2	1108.1	1192.0	1273.9	1355.8	1367.0	1376.3	1387.5	1396.8
32.5°	1210.6	1272.0	1335.4	1385.6	1437.8	1488.1	1538.4	1605.4	1674.3	1741.4	1808.4
35°	1428.5	1510.4	1592.4	1689.2	1787.9	1884.8	1981.6	2005.8	2031.9	2056.1	2080.3
37.5°	1596.1	1689.2	1782.3	1882.9	1981.6	2082.2	2180.9	2199.5	2218.2	2236.8	2255.4
40°	1750.7	1836.4	1922.0	2028.2	2134.3	2240.5	2346.7	2361.6	2376.5	2391.4	2406.3
42.5°	1877.3	1961.1	2046.8	2153.0	2259.1	2365.3	2471.4	2484.5	2495.7	2508.7	2519.9
45°	1998.4	2097.1	2195.8	2288.9	2382.0	2473.3	2566.4	2575.7	2583.2	2592.5	2600.0
47.5°	2069.2	2167.9	2266.6	2354.1	2441.6	2527.3	2614.9	2614.9	2614.9	2614.9	2614.9
50°	2154.8	2268.4	2383.9	2428.6	2471.4	2516.1	2559.0	2549.7	2540.4	2529.2	2519.9
52.5°	2132.5	2221.9	2309.4	2326.2	2342.9	2359.7	2376.5	2352.2	2329.9	2305.7	2281.5
55°	2028.2	2072.9	2119.4	2091.5	2061.7	2033.8	2004.0	1935.1	1866.2	1797.2	1728.3
57.5°	1817.7	1810.3	1802.8	1728.3	1655.7	1581.2	1506.7	1462.0	1419.2	1374.5	1329.8
60°	1512.3	1471.3	1430.3	1363.3	1296.3	1229.2	1162.2	1137.9	1111.9	1087.7	1061.6
62.5°	1154.7	1097.0	1039.2	1005.7	972.2	938.7	905.1	880.9	854.9	830.6	804.6
65°	854.9	800.8	746.8	718.9	691.0	661.2	633.2	616.5	599.7	581.1	564.3
67.5°	575.5	536.4	497.3	480.5	461.9	445.1	426.5	419.0	409.7	402.3	393.0
70°	372.5	353.9	333.4	325.9	320.3	312.9	305.4	298.0	290.5	283.1	275.6
72.5°	247.7	242.1	236.5	232.8	229.1	225.4	221.6	217.9	212.3	208.6	203.0
75°	171.3	173.2	173.2	171.3	171.3	169.5	167.6	152.7	137.8	122.9	108.0
77.5°	128.5	132.2	134.1	124.8	115.5	104.3	95.0	93.1	91.3	89.4	87.5
80°	80.1	83.8	87.5	83.8	81.9	78.2	74.5	70.8	67.0	63.3	59.6
82.5°	61.5	61.5	61.5	57.7	54.0	48.4	44.7	42.8	41.0	39.1	37.2
85°	37.2	39.1	41.0	37.2	31.7	27.9	22.3	18.6	14.9	11.2	7.4
87.5°	5.6	7.4	7.4	7.4	5.6	5.6	3.7	3.7	3.7	1.9	1.9
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: P560646

CATALOG NUMBER: SDL-PA1-50-830-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	610.9	610.9
2.5°	692.8	677.9
5°	769.2	771.0
7.5°	724.5	676.1
10°	879.1	879.1
12.5°	750.6	739.4
15°	897.7	894.0
17.5°	711.4	707.7
20°	908.9	907.0
22.5°	759.9	758.0
25°	1041.1	1041.1
27.5°	970.3	968.5
30°	1396.8	1396.8
32.5°	1843.8	1877.3
35°	2085.9	2091.5
37.5°	2264.7	2272.2
40°	2411.8	2417.4
42.5°	2521.7	2521.7
45°	2600.0	2600.0
47.5°	2613.0	2611.1
50°	2514.3	2508.7
52.5°	2259.1	2234.9
55°	1715.3	1700.4
57.5°	1326.0	1320.5
60°	1061.6	1061.6
62.5°	797.1	789.7
65°	556.9	547.6
67.5°	389.2	385.5
70°	275.6	273.8
72.5°	201.1	199.3
75°	106.2	102.4
77.5°	87.5	85.7
80°	61.5	61.5
82.5°	37.2	35.4
85°	5.6	3.7
87.5°	1.9	1.9
90°	0.0	0.0

(END OF REPORT)