

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: P560177

Luminaire Tested: **SDL-PA1-30-730-U-5WQ**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560177
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-PA1-30-730-U-5WQ
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577.3 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 30.1
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



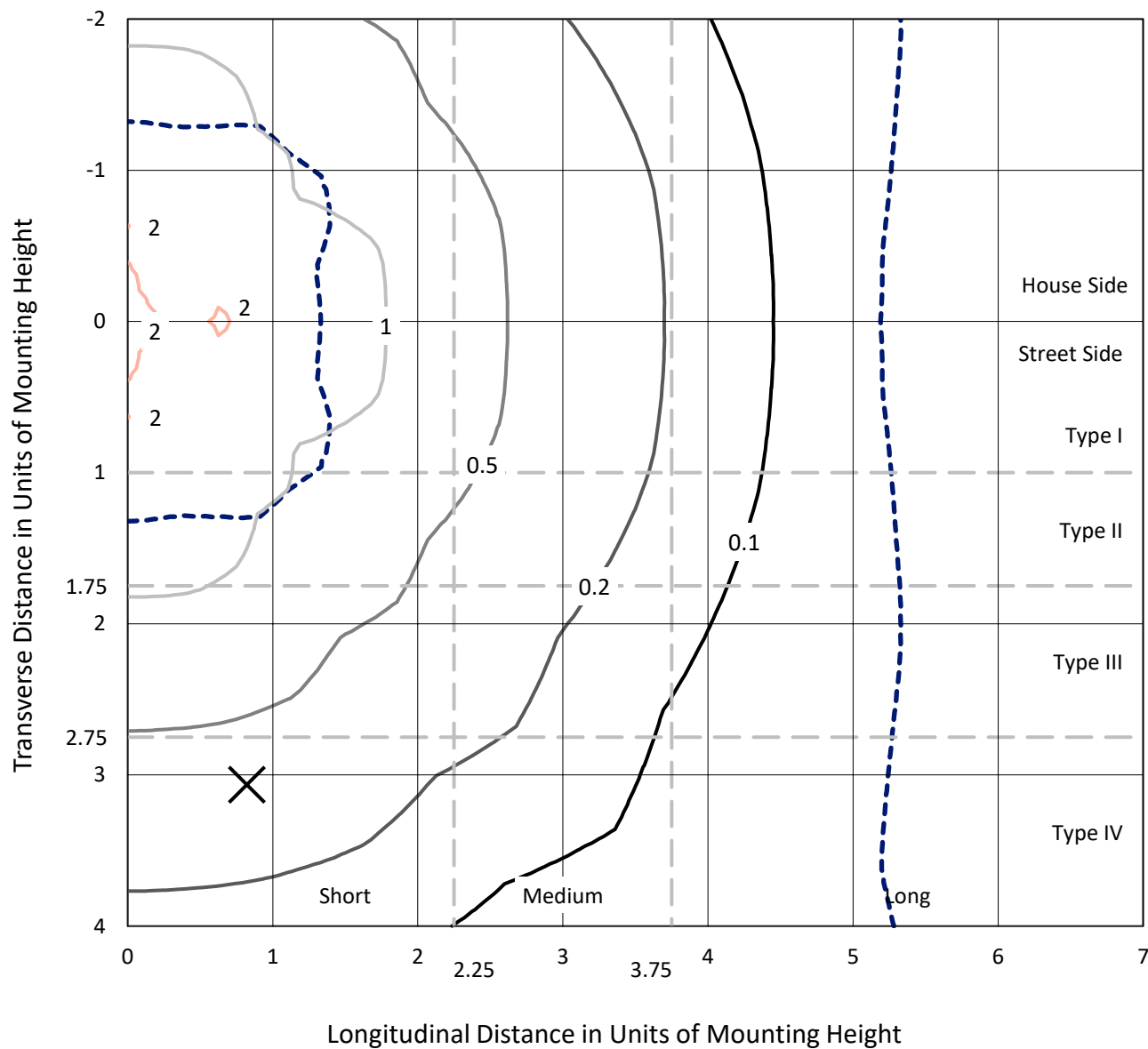
REPORT NUMBER: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



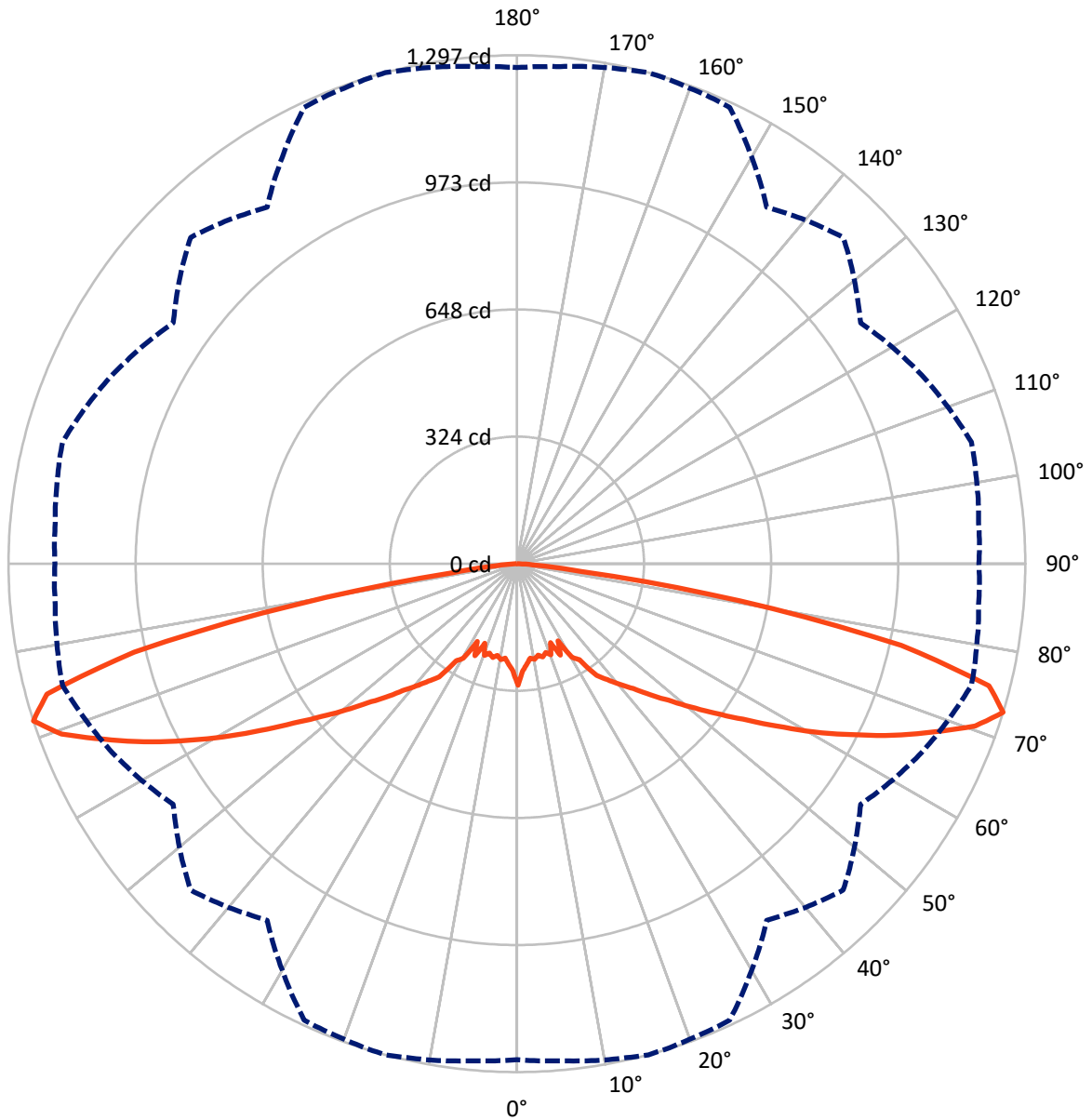
Based on 10 foot mounting height. Maximum calculated value = 3.1 fc

Type V - Short - N/A

REPORT NUMBER: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

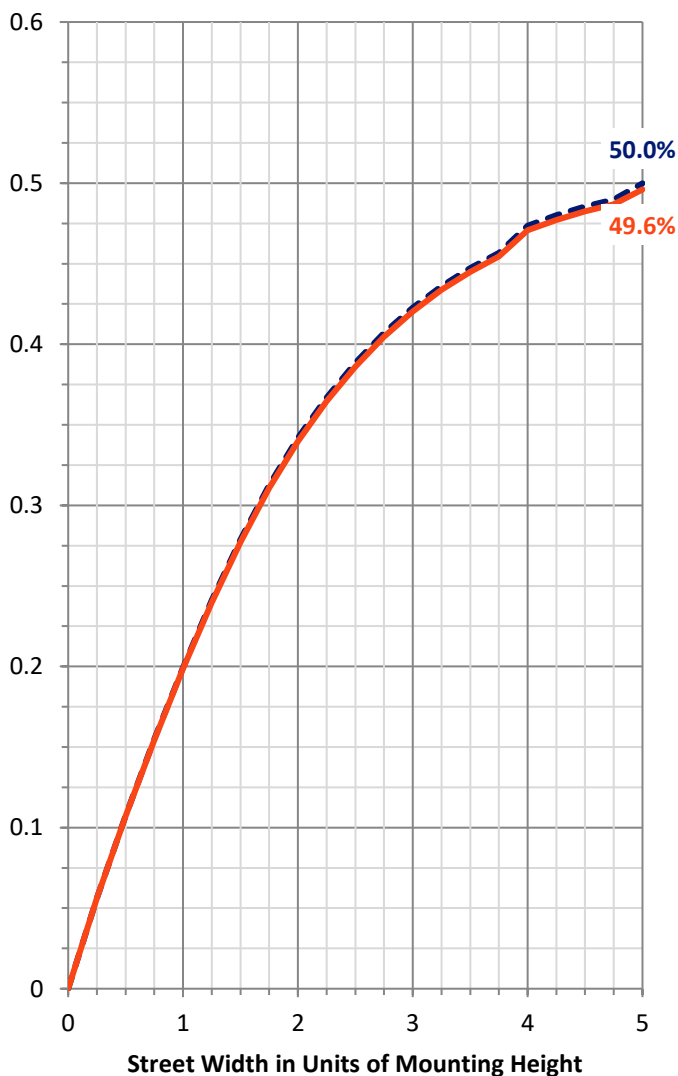
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1788.6	0.0	1788.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1788.6	0.0	1788.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3577.3	0.0	3577.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.7
10°-20°	56.5	1.6
20°-30°	100.8	2.8
30°-40°	192.7	5.4
40°-50°	328.3	9.2
50°-60°	574.6	16.1
60°-70°	969.6	27.1
70°-80°	1131.0	31.6
80°-90°	199.5	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°	3577.3	100.0
0°-180°	3577.3	100.0



REPORT NUMBER: P560177

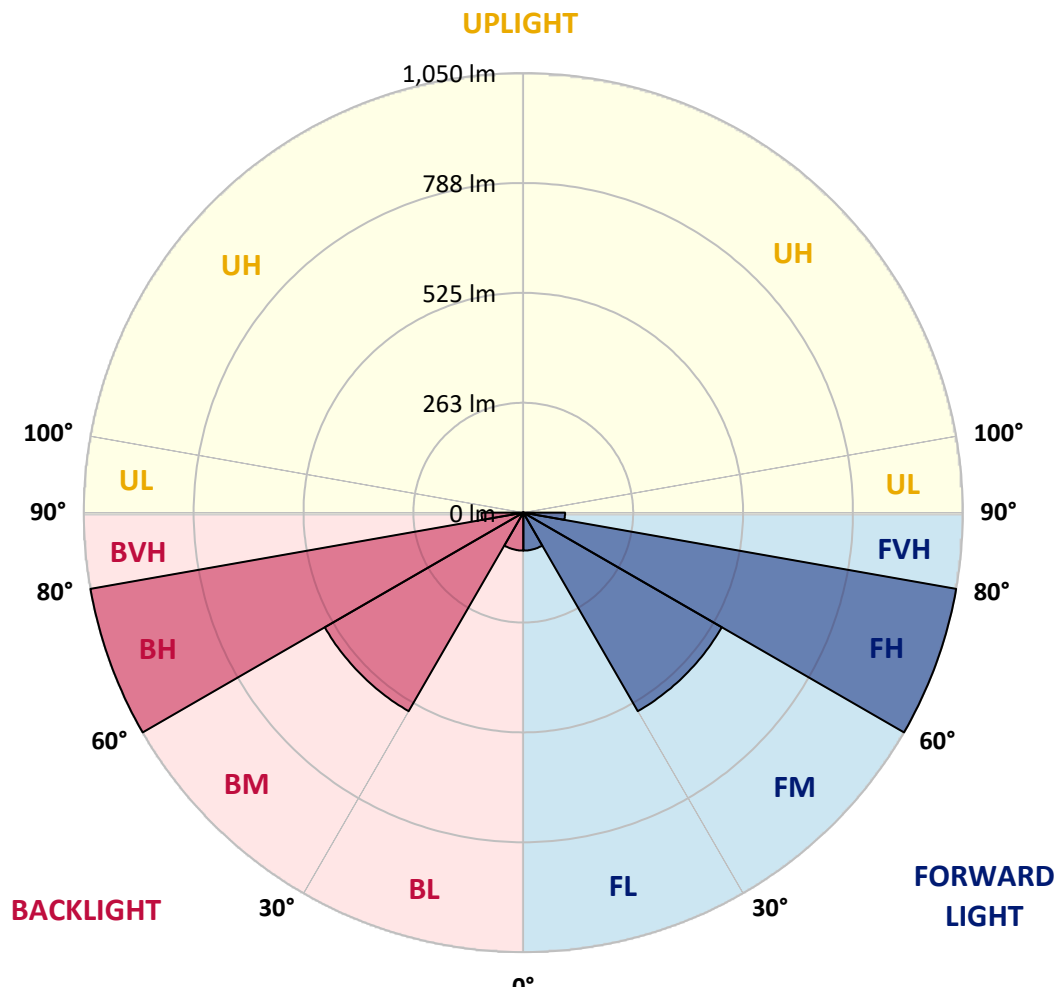
CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.8	2.5			
FM	(30°-60°)	547.8	15.3			
FH	(60°-80°)	1050.3	29.4			G1/1800
FVH	(80°-90°)	99.7	2.8			G1/100
BL	(0°-30°)	90.8	2.5	B0/110		
BM	(30°-60°)	547.8	15.3	B1/1000		
BH	(60°-80°)	1050.3	29.4	B3/2500		G1/1800
BVH	(80°-90°)	99.7	2.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	274.5	275.7	275.7	275.7	275.7	274.5	274.5	278.2	282.0	285.8	289.6
5°	259.4	259.4	259.4	259.4	259.4	258.1	258.1	258.1	258.1	258.1	258.1
7.5°	221.6	224.1	225.4	230.4	234.2	239.2	243.0	244.3	245.5	245.5	246.8
10°	249.3	249.3	249.3	249.3	249.3	248.0	248.0	245.5	244.3	241.7	239.2
12.5°	219.1	217.8	216.6	222.8	227.9	234.2	239.2	240.5	241.7	243.0	244.3
15°	251.8	251.8	251.8	250.5	249.3	248.0	246.8	238.0	229.1	219.1	210.3
17.5°	214.0	215.3	215.3	221.6	226.6	232.9	238.0	235.4	232.9	229.1	226.6
20°	256.8	256.8	256.8	254.3	253.1	250.5	248.0	232.9	217.8	201.4	186.3
22.5°	217.8	217.8	217.8	217.8	219.1	219.1	219.1	220.3	221.6	222.8	224.1
25°	265.7	266.9	266.9	264.4	263.1	260.6	258.1	245.5	231.7	219.1	205.2
27.5°	229.1	229.1	229.1	227.9	226.6	224.1	222.8	225.4	229.1	231.7	234.2
30°	280.8	280.8	280.8	279.5	279.5	278.2	277.0	264.4	250.5	238.0	224.1
32.5°	341.2	339.9	338.7	327.3	316.0	303.4	292.1	285.8	279.5	272.0	265.7
35°	362.6	362.6	361.3	358.8	356.3	352.5	350.0	337.4	324.8	312.2	299.6
37.5°	384.0	384.0	382.7	381.5	379.0	377.7	375.2	361.3	348.8	334.9	321.1
40°	410.4	411.7	411.7	410.4	407.9	406.7	404.1	389.0	375.2	360.1	345.0
42.5°	443.2	443.2	441.9	440.7	439.4	436.9	435.6	421.8	406.7	392.8	377.7
45°	482.2	482.2	480.9	479.7	479.7	478.4	477.2	464.6	450.7	438.1	424.3
47.5°	530.1	528.8	527.5	526.3	523.8	522.5	520.0	506.1	493.5	479.7	465.8
50°	580.4	580.4	580.4	579.2	577.9	575.4	574.1	561.5	548.9	535.1	522.5
52.5°	634.6	635.8	635.8	635.8	634.6	634.6	633.3	620.7	608.1	594.3	581.7
55°	698.8	698.8	698.8	698.8	700.0	700.0	700.0	687.4	674.8	662.3	649.7
57.5°	771.8	776.8	780.6	780.6	780.6	780.6	780.6	768.0	755.4	742.8	730.2
60°	856.1	857.4	858.7	862.4	865.0	868.7	871.2	859.9	848.6	837.3	825.9
62.5°	939.2	941.8	943.0	948.1	951.8	956.9	960.6	953.1	944.3	936.7	927.9
65°	1024.9	1027.4	1028.6	1034.9	1042.5	1048.8	1055.1	1048.8	1043.7	1037.4	1031.1
67.5°	1115.5	1118.0	1119.3	1125.6	1133.1	1139.4	1145.7	1143.2	1140.7	1138.2	1135.6
70°	1212.4	1213.7	1213.7	1220.0	1227.6	1233.9	1240.1	1238.9	1237.6	1236.4	1235.1
72.5°	1265.3	1269.1	1272.9	1279.2	1285.5	1290.5	1296.8	1294.3	1290.5	1288.0	1284.2
75°	1197.3	1199.9	1202.4	1212.4	1223.8	1233.9	1243.9	1247.7	1252.7	1256.5	1260.3
77.5°	938.0	949.3	959.4	970.7	980.8	992.1	1002.2	1023.6	1043.7	1065.1	1085.3
80°	464.6	470.9	477.2	502.4	527.5	552.7	577.9	615.7	654.7	692.5	730.2
82.5°	112.1	112.1	112.1	125.9	138.5	152.3	164.9	198.9	234.2	268.2	302.2
85°	22.7	23.9	25.2	31.5	37.8	42.8	49.1	54.1	59.2	64.2	69.2
87.5°	3.8	3.8	3.8	3.8	5.0	5.0	5.0	6.3	7.6	7.6	8.8
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	290.8	293.4	294.6	295.9	297.1	298.4	299.6	300.9	302.2	302.2	303.4
5°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	259.4	260.6	261.9
7.5°	248.0	249.3	250.5	251.8	251.8	251.8	250.5	250.5	249.3	249.3	248.0
10°	232.9	226.6	219.1	212.8	212.8	214.0	214.0	214.0	210.3	207.7	204.0
12.5°	239.2	234.2	227.9	222.8	214.0	206.5	197.7	188.9	186.3	183.8	181.3
15°	202.7	196.4	188.9	181.3	177.5	172.5	168.7	163.7	162.4	161.2	158.6
17.5°	220.3	214.0	206.5	200.2	187.6	175.0	162.4	149.8	156.1	163.7	170.0
20°	187.6	187.6	188.9	188.9	188.9	187.6	187.6	186.3	182.6	177.5	173.7
22.5°	214.0	202.7	192.6	181.3	183.8	186.3	188.9	191.4	185.1	178.8	171.2
25°	209.0	212.8	215.3	219.1	209.0	198.9	187.6	177.5	182.6	187.6	192.6
27.5°	226.6	219.1	210.3	202.7	206.5	210.3	212.8	216.6	210.3	204.0	197.7
30°	225.4	226.6	226.6	227.9	222.8	216.6	211.5	205.2	207.7	211.5	214.0
32.5°	258.1	249.3	241.7	232.9	232.9	232.9	231.7	231.7	231.7	232.9	232.9
35°	288.3	278.2	266.9	255.6	253.1	251.8	249.3	246.8	249.3	251.8	254.3
37.5°	309.7	297.1	285.8	273.2	272.0	270.7	268.2	266.9	266.9	266.9	266.9
40°	333.6	322.3	311.0	299.6	297.1	294.6	290.8	288.3	287.1	285.8	283.3
42.5°	366.4	353.8	342.5	329.9	326.1	321.1	317.3	312.2	311.0	309.7	307.2
45°	409.2	392.8	377.7	361.3	356.3	352.5	347.5	342.5	341.2	338.7	337.4
47.5°	448.2	431.8	414.2	396.6	394.1	390.3	387.8	384.0	381.5	377.7	375.2
50°	501.1	478.4	457.0	434.4	434.4	433.1	433.1	431.8	426.8	421.8	416.7
52.5°	560.3	537.6	516.2	493.5	491.0	489.8	487.2	484.7	479.7	474.7	468.4
55°	627.0	604.3	581.7	559.0	557.8	557.8	556.5	555.2	547.7	540.1	532.6
57.5°	707.6	686.2	663.5	640.8	642.1	642.1	643.4	643.4	633.3	623.2	611.9
60°	800.7	775.6	749.1	723.9	727.7	732.8	736.5	740.3	727.7	715.1	701.3
62.5°	902.7	876.3	851.1	824.7	832.2	839.8	846.1	853.6	834.7	815.9	797.0
65°	1000.9	970.7	940.5	910.3	924.1	939.2	953.1	966.9	944.3	921.6	898.9
67.5°	1100.4	1066.4	1031.1	995.9	1012.3	1028.6	1045.0	1061.4	1038.7	1014.8	992.1
70°	1192.3	1149.5	1106.7	1063.9	1080.2	1096.6	1113.0	1129.4	1107.9	1086.5	1065.1
72.5°	1241.4	1197.3	1154.5	1110.5	1126.8	1144.5	1160.8	1177.2	1150.8	1124.3	1096.6
75°	1222.5	1183.5	1145.7	1106.7	1130.6	1154.5	1178.5	1202.4	1167.1	1130.6	1095.4
77.5°	1066.4	1048.8	1029.9	1011.0	1053.8	1096.6	1139.4	1182.2	1131.9	1080.2	1029.9
80°	742.8	756.7	769.3	781.9	843.6	905.2	965.7	1027.4	968.2	910.3	851.1
82.5°	341.2	380.2	418.0	457.0	518.7	580.4	640.8	702.5	637.1	571.6	504.9
85°	81.8	94.4	105.8	118.3	149.8	181.3	212.8	244.3	217.8	191.4	164.9
87.5°	10.1	11.3	11.3	12.6	11.3	11.3	10.1	8.8	10.1	10.1	11.3
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	303.4	304.7	304.7	305.9	305.9	305.9	305.9	304.7	304.7	304.7	305.9
5°	263.1	269.4	274.5	280.8	285.8	288.3	292.1	294.6	297.1	298.4	298.4
7.5°	246.8	244.3	240.5	238.0	234.2	239.2	245.5	250.5	255.6	256.8	258.1
10°	200.2	198.9	196.4	195.1	192.6	193.9	196.4	197.7	198.9	205.2	212.8
12.5°	178.8	180.0	181.3	182.6	183.8	180.0	176.3	171.2	167.5	173.7	180.0
15°	157.4	157.4	158.6	158.6	158.6	163.7	168.7	173.7	178.8	187.6	197.7
17.5°	176.3	173.7	171.2	167.5	164.9	166.2	166.2	167.5	167.5	172.5	176.3
20°	168.7	164.9	162.4	158.6	154.9	161.2	167.5	173.7	180.0	190.1	200.2
22.5°	164.9	172.5	178.8	186.3	192.6	188.9	185.1	180.0	176.3	176.3	176.3
25°	197.7	191.4	185.1	178.8	172.5	183.8	193.9	205.2	215.3	222.8	229.1
27.5°	191.4	196.4	201.4	205.2	210.3	216.6	222.8	229.1	235.4	246.8	256.8
30°	216.6	222.8	229.1	234.2	240.5	256.8	272.0	288.3	303.4	311.0	318.5
32.5°	232.9	245.5	256.8	269.4	280.8	289.6	298.4	307.2	316.0	323.6	332.4
35°	256.8	266.9	275.7	285.8	294.6	304.7	314.8	323.6	333.6	341.2	348.8
37.5°	266.9	278.2	289.6	299.6	311.0	323.6	334.9	347.5	358.8	365.1	370.2
40°	282.0	295.9	309.7	323.6	337.4	350.0	362.6	375.2	387.8	392.8	397.9
42.5°	305.9	321.1	336.2	350.0	365.1	379.0	391.6	405.4	418.0	423.0	428.1
45°	334.9	350.0	365.1	380.2	395.3	410.4	425.6	440.7	455.8	462.1	468.4
47.5°	371.4	386.5	402.9	418.0	433.1	452.0	469.6	488.5	506.1	511.2	516.2
50°	411.7	426.8	441.9	457.0	472.1	496.1	518.7	542.6	565.3	567.8	571.6
52.5°	463.3	478.4	492.3	507.4	521.2	547.7	574.1	599.3	625.7	627.0	629.5
55°	525.0	538.9	554.0	567.8	581.7	610.6	638.3	667.3	695.0	695.0	696.2
57.5°	601.8	616.9	632.0	645.9	661.0	688.7	716.4	742.8	770.5	769.3	768.0
60°	688.7	702.5	715.1	729.0	741.6	768.0	795.7	822.1	848.6	846.1	842.3
62.5°	778.1	793.2	808.3	822.1	837.3	858.7	881.3	902.7	924.1	919.1	914.1
65°	876.3	891.4	907.8	922.9	938.0	954.3	972.0	988.3	1004.7	999.7	995.9
67.5°	968.2	985.8	1003.4	1019.8	1037.4	1050.0	1062.6	1074.0	1086.5	1080.2	1074.0
70°	1043.7	1058.8	1074.0	1089.1	1104.2	1116.8	1129.4	1141.9	1154.5	1148.2	1141.9
72.5°	1070.2	1087.8	1105.4	1121.8	1139.4	1154.5	1169.6	1184.7	1199.9	1196.1	1191.0
75°	1058.8	1071.4	1084.0	1096.6	1109.2	1120.5	1133.1	1144.5	1155.8	1149.5	1143.2
77.5°	978.3	977.0	974.5	973.2	970.7	970.7	972.0	972.0	972.0	964.4	956.9
80°	791.9	769.3	746.6	723.9	701.3	674.8	648.4	622.0	595.5	570.3	545.2
82.5°	439.4	387.8	337.4	285.8	234.2	212.8	190.1	168.7	146.0	136.0	124.6
85°	138.5	120.9	103.2	85.6	68.0	64.2	60.4	55.4	51.6	47.8	44.1
87.5°	11.3	10.1	10.1	8.8	7.6	6.3	6.3	5.0	3.8	3.8	3.8
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	304.7	304.7	304.7
5°	299.6	299.6	299.6	299.6	299.6	299.6	299.6	298.4	298.4	297.1	294.6
7.5°	258.1	259.4	259.4	258.1	259.4	259.4	258.1	258.1	256.8	255.6	250.5
10°	219.1	225.4	225.4	225.4	225.4	225.4	219.1	212.8	205.2	198.9	197.7
12.5°	186.3	192.6	192.6	192.6	192.6	192.6	186.3	180.0	173.7	167.5	171.2
15°	206.5	215.3	215.3	215.3	215.3	215.3	206.5	197.7	187.6	178.8	173.7
17.5°	181.3	185.1	186.3	186.3	186.3	185.1	181.3	176.3	172.5	167.5	167.5
20°	209.0	219.1	220.3	221.6	220.3	219.1	209.0	200.2	190.1	180.0	173.7
22.5°	175.0	175.0	176.3	176.3	176.3	175.0	175.0	176.3	176.3	176.3	180.0
25°	236.7	243.0	243.0	241.7	243.0	243.0	236.7	229.1	222.8	215.3	205.2
27.5°	268.2	278.2	280.8	282.0	280.8	278.2	268.2	256.8	246.8	235.4	229.1
30°	326.1	333.6	333.6	333.6	333.6	333.6	326.1	318.5	311.0	303.4	288.3
32.5°	339.9	347.5	347.5	347.5	347.5	347.5	339.9	332.4	323.6	316.0	307.2
35°	355.0	362.6	363.9	363.9	363.9	362.6	355.0	348.8	341.2	333.6	323.6
37.5°	376.5	381.5	382.7	384.0	382.7	381.5	376.5	370.2	365.1	358.8	347.5
40°	401.6	406.7	406.7	406.7	406.7	406.7	401.6	397.9	392.8	387.8	375.2
42.5°	433.1	438.1	439.4	440.7	439.4	438.1	433.1	428.1	423.0	418.0	405.4
45°	473.4	479.7	480.9	482.2	480.9	479.7	473.4	468.4	462.1	455.8	440.7
47.5°	521.2	526.3	526.3	526.3	526.3	526.3	521.2	516.2	511.2	506.1	488.5
50°	574.1	576.6	577.9	577.9	577.9	576.6	574.1	571.6	567.8	565.3	542.6
52.5°	630.8	632.0	632.0	630.8	632.0	632.0	630.8	629.5	627.0	625.7	599.3
55°	696.2	696.2	695.0	692.5	695.0	696.2	696.2	696.2	695.0	695.0	667.3
57.5°	766.7	765.5	765.5	764.2	765.5	765.5	766.7	768.0	769.3	770.5	742.8
60°	839.8	836.0	834.7	832.2	834.7	836.0	839.8	842.3	846.1	848.6	822.1
62.5°	909.0	904.0	904.0	904.0	904.0	904.0	909.0	914.1	919.1	924.1	902.7
65°	990.9	985.8	983.3	980.8	983.3	985.8	990.9	995.9	999.7	1004.7	988.3
67.5°	1067.7	1061.4	1058.8	1055.1	1058.8	1061.4	1067.7	1074.0	1080.2	1086.5	1074.0
70°	1134.4	1128.1	1126.8	1125.6	1126.8	1128.1	1134.4	1141.9	1148.2	1154.5	1141.9
72.5°	1187.3	1182.2	1181.0	1178.5	1181.0	1182.2	1187.3	1191.0	1196.1	1199.9	1184.7
75°	1136.9	1130.6	1126.8	1121.8	1126.8	1130.6	1136.9	1143.2	1149.5	1155.8	1144.5
77.5°	949.3	941.8	939.2	935.5	939.2	941.8	949.3	956.9	964.4	972.0	972.0
80°	520.0	494.8	488.5	480.9	488.5	494.8	520.0	545.2	570.3	595.5	622.0
82.5°	114.6	103.2	99.5	94.4	99.5	103.2	114.6	124.6	136.0	146.0	168.7
85°	39.0	35.3	32.7	30.2	32.7	35.3	39.0	44.1	47.8	51.6	55.4
87.5°	3.8	3.8	3.8	2.5	3.8	3.8	3.8	3.8	3.8	3.8	5.0
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	305.9	305.9	305.9	305.9	304.7	304.7	303.4	303.4	302.2	302.2	300.9
5°	292.1	288.3	285.8	280.8	274.5	269.4	263.1	261.9	260.6	259.4	258.1
7.5°	245.5	239.2	234.2	238.0	240.5	244.3	246.8	248.0	249.3	249.3	250.5
10°	196.4	193.9	192.6	195.1	196.4	198.9	200.2	204.0	207.7	210.3	214.0
12.5°	176.3	180.0	183.8	182.6	181.3	180.0	178.8	181.3	183.8	186.3	188.9
15°	168.7	163.7	158.6	158.6	158.6	157.4	157.4	158.6	161.2	162.4	163.7
17.5°	166.2	166.2	164.9	167.5	171.2	173.7	176.3	170.0	163.7	156.1	149.8
20°	167.5	161.2	154.9	158.6	162.4	164.9	168.7	173.7	177.5	182.6	186.3
22.5°	185.1	188.9	192.6	186.3	178.8	172.5	164.9	171.2	178.8	185.1	191.4
25°	193.9	183.8	172.5	178.8	185.1	191.4	197.7	192.6	187.6	182.6	177.5
27.5°	222.8	216.6	210.3	205.2	201.4	196.4	191.4	197.7	204.0	210.3	216.6
30°	272.0	256.8	240.5	234.2	229.1	222.8	216.6	214.0	211.5	207.7	205.2
32.5°	298.4	289.6	280.8	269.4	256.8	245.5	232.9	232.9	232.9	231.7	231.7
35°	314.8	304.7	294.6	285.8	275.7	266.9	256.8	254.3	251.8	249.3	246.8
37.5°	334.9	323.6	311.0	299.6	289.6	278.2	266.9	266.9	266.9	266.9	266.9
40°	362.6	350.0	337.4	323.6	309.7	295.9	282.0	283.3	285.8	287.1	288.3
42.5°	391.6	379.0	365.1	350.0	336.2	321.1	305.9	307.2	309.7	311.0	312.2
45°	425.6	410.4	395.3	380.2	365.1	350.0	334.9	337.4	338.7	341.2	342.5
47.5°	469.6	452.0	433.1	418.0	402.9	386.5	371.4	375.2	377.7	381.5	384.0
50°	518.7	496.1	472.1	457.0	441.9	426.8	411.7	416.7	421.8	426.8	431.8
52.5°	574.1	547.7	521.2	507.4	492.3	478.4	463.3	468.4	474.7	479.7	484.7
55°	638.3	610.6	581.7	567.8	554.0	538.9	525.0	532.6	540.1	547.7	555.2
57.5°	716.4	688.7	661.0	645.9	632.0	616.9	601.8	611.9	623.2	633.3	643.4
60°	795.7	768.0	741.6	729.0	715.1	702.5	688.7	701.3	715.1	727.7	740.3
62.5°	881.3	858.7	837.3	822.1	808.3	793.2	778.1	797.0	815.9	834.7	853.6
65°	972.0	954.3	938.0	922.9	907.8	891.4	876.3	898.9	921.6	944.3	966.9
67.5°	1062.6	1050.0	1037.4	1019.8	1003.4	985.8	968.2	992.1	1014.8	1038.7	1061.4
70°	1129.4	1116.8	1104.2	1089.1	1074.0	1058.8	1043.7	1065.1	1086.5	1107.9	1129.4
72.5°	1169.6	1154.5	1139.4	1121.8	1105.4	1087.8	1070.2	1096.6	1124.3	1150.8	1177.2
75°	1133.1	1120.5	1109.2	1096.6	1084.0	1071.4	1058.8	1095.4	1130.6	1167.1	1202.4
77.5°	972.0	970.7	970.7	973.2	974.5	977.0	978.3	1029.9	1080.2	1131.9	1182.2
80°	648.4	674.8	701.3	723.9	746.6	769.3	791.9	851.1	910.3	968.2	1027.4
82.5°	190.1	212.8	234.2	285.8	337.4	387.8	439.4	504.9	571.6	637.1	702.5
85°	60.4	64.2	68.0	85.6	103.2	120.9	138.5	164.9	191.4	217.8	244.3
87.5°	6.3	6.3	7.6	8.8	10.1	10.1	11.3	11.3	10.1	10.1	8.8
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	299.6	298.4	297.1	295.9	294.6	293.4	290.8	289.6	285.8	282.0	278.2
5°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
7.5°	250.5	251.8	251.8	251.8	250.5	249.3	248.0	246.8	245.5	245.5	244.3
10°	214.0	214.0	212.8	212.8	219.1	226.6	232.9	239.2	241.7	244.3	245.5
12.5°	197.7	206.5	214.0	222.8	227.9	234.2	239.2	244.3	243.0	241.7	240.5
15°	168.7	172.5	177.5	181.3	188.9	196.4	202.7	210.3	219.1	229.1	238.0
17.5°	162.4	175.0	187.6	200.2	206.5	214.0	220.3	226.6	229.1	232.9	235.4
20°	187.6	187.6	188.9	188.9	188.9	187.6	187.6	186.3	201.4	217.8	232.9
22.5°	188.9	186.3	183.8	181.3	192.6	202.7	214.0	224.1	222.8	221.6	220.3
25°	187.6	198.9	209.0	219.1	215.3	212.8	209.0	205.2	219.1	231.7	245.5
27.5°	212.8	210.3	206.5	202.7	210.3	219.1	226.6	234.2	231.7	229.1	225.4
30°	211.5	216.6	222.8	227.9	226.6	226.6	225.4	224.1	238.0	250.5	264.4
32.5°	231.7	232.9	232.9	232.9	241.7	249.3	258.1	265.7	272.0	279.5	285.8
35°	249.3	251.8	253.1	255.6	266.9	278.2	288.3	299.6	312.2	324.8	337.4
37.5°	268.2	270.7	272.0	273.2	285.8	297.1	309.7	321.1	334.9	348.8	361.3
40°	290.8	294.6	297.1	299.6	311.0	322.3	333.6	345.0	360.1	375.2	389.0
42.5°	317.3	321.1	326.1	329.9	342.5	353.8	366.4	377.7	392.8	406.7	421.8
45°	347.5	352.5	356.3	361.3	377.7	392.8	409.2	424.3	438.1	450.7	464.6
47.5°	387.8	390.3	394.1	396.6	414.2	431.8	448.2	465.8	479.7	493.5	506.1
50°	433.1	433.1	434.4	434.4	457.0	478.4	501.1	522.5	535.1	548.9	561.5
52.5°	487.2	489.8	491.0	493.5	516.2	537.6	560.3	581.7	594.3	608.1	620.7
55°	556.5	557.8	557.8	559.0	581.7	604.3	627.0	649.7	662.3	674.8	687.4
57.5°	643.4	642.1	642.1	640.8	663.5	686.2	707.6	730.2	742.8	755.4	768.0
60°	736.5	732.8	727.7	723.9	749.1	775.6	800.7	825.9	837.3	848.6	859.9
62.5°	846.1	839.8	832.2	824.7	851.1	876.3	902.7	927.9	936.7	944.3	953.1
65°	953.1	939.2	924.1	910.3	940.5	970.7	1000.9	1031.1	1037.4	1043.7	1048.8
67.5°	1045.0	1028.6	1012.3	995.9	1031.1	1066.4	1100.4	1135.6	1138.2	1140.7	1143.2
70°	1113.0	1096.6	1080.2	1063.9	1106.7	1149.5	1192.3	1235.1	1236.4	1237.6	1238.9
72.5°	1160.8	1144.5	1126.8	1110.5	1154.5	1197.3	1241.4	1284.2	1288.0	1290.5	1294.3
75°	1178.5	1154.5	1130.6	1106.7	1145.7	1183.5	1222.5	1260.3	1256.5	1252.7	1247.7
77.5°	1139.4	1096.6	1053.8	1011.0	1029.9	1048.8	1066.4	1085.3	1065.1	1043.7	1023.6
80°	965.7	905.2	843.6	781.9	769.3	756.7	742.8	730.2	692.5	654.7	615.7
82.5°	640.8	580.4	518.7	457.0	418.0	380.2	341.2	302.2	268.2	234.2	198.9
85°	212.8	181.3	149.8	118.3	105.8	94.4	81.8	69.2	64.2	59.2	54.1
87.5°	10.1	11.3	11.3	12.6	11.3	11.3	10.1	8.8	7.6	7.6	6.3
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	274.5	274.5	275.7	275.7	275.7	275.7	274.5	275.7	275.7	275.7	275.7
5°	258.1	258.1	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4
7.5°	243.0	239.2	234.2	230.4	225.4	224.1	221.6	224.1	225.4	230.4	234.2
10°	248.0	248.0	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3
12.5°	239.2	234.2	227.9	222.8	216.6	217.8	219.1	217.8	216.6	222.8	227.9
15°	246.8	248.0	249.3	250.5	251.8	251.8	251.8	251.8	251.8	250.5	249.3
17.5°	238.0	232.9	226.6	221.6	215.3	215.3	214.0	215.3	215.3	221.6	226.6
20°	248.0	250.5	253.1	254.3	256.8	256.8	256.8	256.8	256.8	254.3	253.1
22.5°	219.1	219.1	219.1	217.8	217.8	217.8	217.8	217.8	217.8	217.8	219.1
25°	258.1	260.6	263.1	264.4	266.9	266.9	265.7	266.9	266.9	264.4	263.1
27.5°	222.8	224.1	226.6	227.9	229.1	229.1	229.1	229.1	229.1	227.9	226.6
30°	277.0	278.2	279.5	279.5	280.8	280.8	280.8	280.8	280.8	279.5	279.5
32.5°	292.1	303.4	316.0	327.3	338.7	339.9	341.2	339.9	338.7	327.3	316.0
35°	350.0	352.5	356.3	358.8	361.3	362.6	362.6	362.6	361.3	358.8	356.3
37.5°	375.2	377.7	379.0	381.5	382.7	384.0	384.0	384.0	382.7	381.5	379.0
40°	404.1	406.7	407.9	410.4	411.7	411.7	410.4	411.7	411.7	410.4	407.9
42.5°	435.6	436.9	439.4	440.7	441.9	443.2	443.2	443.2	441.9	440.7	439.4
45°	477.2	478.4	479.7	479.7	480.9	482.2	482.2	482.2	480.9	479.7	479.7
47.5°	520.0	522.5	523.8	526.3	527.5	528.8	530.1	528.8	527.5	526.3	523.8
50°	574.1	575.4	577.9	579.2	580.4	580.4	580.4	580.4	580.4	579.2	577.9
52.5°	633.3	634.6	634.6	635.8	635.8	635.8	634.6	635.8	635.8	635.8	634.6
55°	700.0	700.0	700.0	698.8	698.8	698.8	698.8	698.8	698.8	698.8	700.0
57.5°	780.6	780.6	780.6	780.6	780.6	776.8	771.8	776.8	780.6	780.6	780.6
60°	871.2	868.7	865.0	862.4	858.7	857.4	856.1	857.4	858.7	862.4	865.0
62.5°	960.6	956.9	951.8	948.1	943.0	941.8	939.2	941.8	943.0	948.1	951.8
65°	1055.1	1048.8	1042.5	1034.9	1028.6	1027.4	1024.9	1027.4	1028.6	1034.9	1042.5
67.5°	1145.7	1139.4	1133.1	1125.6	1119.3	1118.0	1115.5	1118.0	1119.3	1125.6	1133.1
70°	1240.1	1233.9	1227.6	1220.0	1213.7	1213.7	1212.4	1213.7	1213.7	1220.0	1227.6
72.5°	1296.8	1290.5	1285.5	1279.2	1272.9	1269.1	1265.3	1269.1	1272.9	1279.2	1285.5
75°	1243.9	1233.9	1223.8	1212.4	1202.4	1199.9	1197.3	1199.9	1202.4	1212.4	1223.8
77.5°	1002.2	992.1	980.8	970.7	959.4	949.3	938.0	949.3	959.4	970.7	980.8
80°	577.9	552.7	527.5	502.4	477.2	470.9	464.6	470.9	477.2	502.4	527.5
82.5°	164.9	152.3	138.5	125.9	112.1	112.1	112.1	112.1	112.1	125.9	138.5
85°	49.1	42.8	37.8	31.5	25.2	23.9	22.7	23.9	25.2	31.5	37.8
87.5°	5.0	5.0	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	274.5	274.5	278.2	282.0	285.8	289.6	290.8	293.4	294.6	295.9	297.1
5°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1
7.5°	239.2	243.0	244.3	245.5	245.5	246.8	248.0	249.3	250.5	251.8	251.8
10°	248.0	248.0	245.5	244.3	241.7	239.2	232.9	226.6	219.1	212.8	212.8
12.5°	234.2	239.2	240.5	241.7	243.0	244.3	239.2	234.2	227.9	222.8	214.0
15°	248.0	246.8	238.0	229.1	219.1	210.3	202.7	196.4	188.9	181.3	177.5
17.5°	232.9	238.0	235.4	232.9	229.1	226.6	220.3	214.0	206.5	200.2	187.6
20°	250.5	248.0	232.9	217.8	201.4	186.3	187.6	187.6	188.9	188.9	188.9
22.5°	219.1	219.1	220.3	221.6	222.8	224.1	214.0	202.7	192.6	181.3	183.8
25°	260.6	258.1	245.5	231.7	219.1	205.2	209.0	212.8	215.3	219.1	209.0
27.5°	224.1	222.8	225.4	229.1	231.7	234.2	226.6	219.1	210.3	202.7	206.5
30°	278.2	277.0	264.4	250.5	238.0	224.1	225.4	226.6	226.6	227.9	222.8
32.5°	303.4	292.1	285.8	279.5	272.0	265.7	258.1	249.3	241.7	232.9	232.9
35°	352.5	350.0	337.4	324.8	312.2	299.6	288.3	278.2	266.9	255.6	253.1
37.5°	377.7	375.2	361.3	348.8	334.9	321.1	309.7	297.1	285.8	273.2	272.0
40°	406.7	404.1	389.0	375.2	360.1	345.0	333.6	322.3	311.0	299.6	297.1
42.5°	436.9	435.6	421.8	406.7	392.8	377.7	366.4	353.8	342.5	329.9	326.1
45°	478.4	477.2	464.6	450.7	438.1	424.3	409.2	392.8	377.7	361.3	356.3
47.5°	522.5	520.0	506.1	493.5	479.7	465.8	448.2	431.8	414.2	396.6	394.1
50°	575.4	574.1	561.5	548.9	535.1	522.5	501.1	478.4	457.0	434.4	434.4
52.5°	634.6	633.3	620.7	608.1	594.3	581.7	560.3	537.6	516.2	493.5	491.0
55°	700.0	700.0	687.4	674.8	662.3	649.7	627.0	604.3	581.7	559.0	557.8
57.5°	780.6	780.6	768.0	755.4	742.8	730.2	707.6	686.2	663.5	640.8	642.1
60°	868.7	871.2	859.9	848.6	837.3	825.9	800.7	775.6	749.1	723.9	727.7
62.5°	956.9	960.6	953.1	944.3	936.7	927.9	902.7	876.3	851.1	824.7	832.2
65°	1048.8	1055.1	1048.8	1043.7	1037.4	1031.1	1000.9	970.7	940.5	910.3	924.1
67.5°	1139.4	1145.7	1143.2	1140.7	1138.2	1135.6	1100.4	1066.4	1031.1	995.9	1012.3
70°	1233.9	1240.1	1238.9	1237.6	1236.4	1235.1	1192.3	1149.5	1106.7	1063.9	1080.2
72.5°	1290.5	1296.8	1294.3	1290.5	1288.0	1284.2	1241.4	1197.3	1154.5	1110.5	1126.8
75°	1233.9	1243.9	1247.7	1252.7	1256.5	1260.3	1222.5	1183.5	1145.7	1106.7	1130.6
77.5°	992.1	1002.2	1023.6	1043.7	1065.1	1085.3	1066.4	1048.8	1029.9	1011.0	1053.8
80°	552.7	577.9	615.7	654.7	692.5	730.2	742.8	756.7	769.3	781.9	843.6
82.5°	152.3	164.9	198.9	234.2	268.2	302.2	341.2	380.2	418.0	457.0	518.7
85°	42.8	49.1	54.1	59.2	64.2	69.2	81.8	94.4	105.8	118.3	149.8
87.5°	5.0	5.0	6.3	7.6	7.6	8.8	10.1	11.3	11.3	12.6	11.3
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	298.4	299.6	300.9	302.2	302.2	303.4	303.4	304.7	304.7	305.9	305.9
5°	258.1	258.1	258.1	259.4	260.6	261.9	263.1	269.4	274.5	280.8	285.8
7.5°	251.8	250.5	250.5	249.3	249.3	248.0	246.8	244.3	240.5	238.0	234.2
10°	214.0	214.0	214.0	210.3	207.7	204.0	200.2	198.9	196.4	195.1	192.6
12.5°	206.5	197.7	188.9	186.3	183.8	181.3	178.8	180.0	181.3	182.6	183.8
15°	172.5	168.7	163.7	162.4	161.2	158.6	157.4	157.4	158.6	158.6	158.6
17.5°	175.0	162.4	149.8	156.1	163.7	170.0	176.3	173.7	171.2	167.5	164.9
20°	187.6	187.6	186.3	182.6	177.5	173.7	168.7	164.9	162.4	158.6	154.9
22.5°	186.3	188.9	191.4	185.1	178.8	171.2	164.9	172.5	178.8	186.3	192.6
25°	198.9	187.6	177.5	182.6	187.6	192.6	197.7	191.4	185.1	178.8	172.5
27.5°	210.3	212.8	216.6	210.3	204.0	197.7	191.4	196.4	201.4	205.2	210.3
30°	216.6	211.5	205.2	207.7	211.5	214.0	216.6	222.8	229.1	234.2	240.5
32.5°	232.9	231.7	231.7	231.7	232.9	232.9	232.9	245.5	256.8	269.4	280.8
35°	251.8	249.3	246.8	249.3	251.8	254.3	256.8	266.9	275.7	285.8	294.6
37.5°	270.7	268.2	266.9	266.9	266.9	266.9	266.9	278.2	289.6	299.6	311.0
40°	294.6	290.8	288.3	287.1	285.8	283.3	282.0	295.9	309.7	323.6	337.4
42.5°	321.1	317.3	312.2	311.0	309.7	307.2	305.9	321.1	336.2	350.0	365.1
45°	352.5	347.5	342.5	341.2	338.7	337.4	334.9	350.0	365.1	380.2	395.3
47.5°	390.3	387.8	384.0	381.5	377.7	375.2	371.4	386.5	402.9	418.0	433.1
50°	433.1	433.1	431.8	426.8	421.8	416.7	411.7	426.8	441.9	457.0	472.1
52.5°	489.8	487.2	484.7	479.7	474.7	468.4	463.3	478.4	492.3	507.4	521.2
55°	557.8	556.5	555.2	547.7	540.1	532.6	525.0	538.9	554.0	567.8	581.7
57.5°	642.1	643.4	643.4	633.3	623.2	611.9	601.8	616.9	632.0	645.9	661.0
60°	732.8	736.5	740.3	727.7	715.1	701.3	688.7	702.5	715.1	729.0	741.6
62.5°	839.8	846.1	853.6	834.7	815.9	797.0	778.1	793.2	808.3	822.1	837.3
65°	939.2	953.1	966.9	944.3	921.6	898.9	876.3	891.4	907.8	922.9	938.0
67.5°	1028.6	1045.0	1061.4	1038.7	1014.8	992.1	968.2	985.8	1003.4	1019.8	1037.4
70°	1096.6	1113.0	1129.4	1107.9	1086.5	1065.1	1043.7	1058.8	1074.0	1089.1	1104.2
72.5°	1144.5	1160.8	1177.2	1150.8	1124.3	1096.6	1070.2	1087.8	1105.4	1121.8	1139.4
75°	1154.5	1178.5	1202.4	1167.1	1130.6	1095.4	1058.8	1071.4	1084.0	1096.6	1109.2
77.5°	1096.6	1139.4	1182.2	1131.9	1080.2	1029.9	978.3	977.0	974.5	973.2	970.7
80°	905.2	965.7	1027.4	968.2	910.3	851.1	791.9	769.3	746.6	723.9	701.3
82.5°	580.4	640.8	702.5	637.1	571.6	504.9	439.4	387.8	337.4	285.8	234.2
85°	181.3	212.8	244.3	217.8	191.4	164.9	138.5	120.9	103.2	85.6	68.0
87.5°	11.3	10.1	8.8	10.1	10.1	11.3	11.3	10.1	10.1	8.8	7.6
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	305.9	305.9	304.7	304.7	304.7	305.9	305.9	305.9	305.9	305.9	305.9
5°	288.3	292.1	294.6	297.1	298.4	298.4	299.6	299.6	299.6	299.6	299.6
7.5°	239.2	245.5	250.5	255.6	256.8	258.1	258.1	259.4	259.4	258.1	259.4
10°	193.9	196.4	197.7	198.9	205.2	212.8	219.1	225.4	225.4	225.4	225.4
12.5°	180.0	176.3	171.2	167.5	173.7	180.0	186.3	192.6	192.6	192.6	192.6
15°	163.7	168.7	173.7	178.8	187.6	197.7	206.5	215.3	215.3	215.3	215.3
17.5°	166.2	166.2	167.5	167.5	172.5	176.3	181.3	185.1	186.3	186.3	186.3
20°	161.2	167.5	173.7	180.0	190.1	200.2	209.0	219.1	220.3	221.6	220.3
22.5°	188.9	185.1	180.0	176.3	176.3	176.3	175.0	175.0	176.3	176.3	176.3
25°	183.8	193.9	205.2	215.3	222.8	229.1	236.7	243.0	243.0	241.7	243.0
27.5°	216.6	222.8	229.1	235.4	246.8	256.8	268.2	278.2	280.8	282.0	280.8
30°	256.8	272.0	288.3	303.4	311.0	318.5	326.1	333.6	333.6	333.6	333.6
32.5°	289.6	298.4	307.2	316.0	323.6	332.4	339.9	347.5	347.5	347.5	347.5
35°	304.7	314.8	323.6	333.6	341.2	348.8	355.0	362.6	363.9	363.9	363.9
37.5°	323.6	334.9	347.5	358.8	365.1	370.2	376.5	381.5	382.7	384.0	382.7
40°	350.0	362.6	375.2	387.8	392.8	397.9	401.6	406.7	406.7	406.7	406.7
42.5°	379.0	391.6	405.4	418.0	423.0	428.1	433.1	438.1	439.4	440.7	439.4
45°	410.4	425.6	440.7	455.8	462.1	468.4	473.4	479.7	480.9	482.2	480.9
47.5°	452.0	469.6	488.5	506.1	511.2	516.2	521.2	526.3	526.3	526.3	526.3
50°	496.1	518.7	542.6	565.3	567.8	571.6	574.1	576.6	577.9	577.9	577.9
52.5°	547.7	574.1	599.3	625.7	627.0	629.5	630.8	632.0	632.0	630.8	632.0
55°	610.6	638.3	667.3	695.0	695.0	696.2	696.2	696.2	695.0	692.5	695.0
57.5°	688.7	716.4	742.8	770.5	769.3	768.0	766.7	765.5	765.5	764.2	765.5
60°	768.0	795.7	822.1	848.6	846.1	842.3	839.8	836.0	834.7	832.2	834.7
62.5°	858.7	881.3	902.7	924.1	919.1	914.1	909.0	904.0	904.0	904.0	904.0
65°	954.3	972.0	988.3	1004.7	999.7	995.9	990.9	985.8	983.3	980.8	983.3
67.5°	1050.0	1062.6	1074.0	1086.5	1080.2	1074.0	1067.7	1061.4	1058.8	1055.1	1058.8
70°	1116.8	1129.4	1141.9	1154.5	1148.2	1141.9	1134.4	1128.1	1126.8	1125.6	1126.8
72.5°	1154.5	1169.6	1184.7	1199.9	1196.1	1191.0	1187.3	1182.2	1181.0	1178.5	1181.0
75°	1120.5	1133.1	1144.5	1155.8	1149.5	1143.2	1136.9	1130.6	1126.8	1121.8	1126.8
77.5°	970.7	972.0	972.0	972.0	964.4	956.9	949.3	941.8	939.2	935.5	939.2
80°	674.8	648.4	622.0	595.5	570.3	545.2	520.0	494.8	488.5	480.9	488.5
82.5°	212.8	190.1	168.7	146.0	136.0	124.6	114.6	103.2	99.5	94.4	99.5
85°	64.2	60.4	55.4	51.6	47.8	44.1	39.0	35.3	32.7	30.2	32.7
87.5°	6.3	6.3	5.0	3.8	3.8	3.8	3.8	3.8	3.8	2.5	3.8
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	305.9	305.9	305.9	304.7	304.7	304.7	305.9	305.9	305.9	305.9	304.7
5°	299.6	299.6	298.4	298.4	297.1	294.6	292.1	288.3	285.8	280.8	274.5
7.5°	259.4	258.1	258.1	256.8	255.6	250.5	245.5	239.2	234.2	238.0	240.5
10°	225.4	219.1	212.8	205.2	198.9	197.7	196.4	193.9	192.6	195.1	196.4
12.5°	192.6	186.3	180.0	173.7	167.5	171.2	176.3	180.0	183.8	182.6	181.3
15°	215.3	206.5	197.7	187.6	178.8	173.7	168.7	163.7	158.6	158.6	158.6
17.5°	185.1	181.3	176.3	172.5	167.5	167.5	166.2	166.2	164.9	167.5	171.2
20°	219.1	209.0	200.2	190.1	180.0	173.7	167.5	161.2	154.9	158.6	162.4
22.5°	175.0	175.0	176.3	176.3	176.3	180.0	185.1	188.9	192.6	186.3	178.8
25°	243.0	236.7	229.1	222.8	215.3	205.2	193.9	183.8	172.5	178.8	185.1
27.5°	278.2	268.2	256.8	246.8	235.4	229.1	222.8	216.6	210.3	205.2	201.4
30°	333.6	326.1	318.5	311.0	303.4	288.3	272.0	256.8	240.5	234.2	229.1
32.5°	347.5	339.9	332.4	323.6	316.0	307.2	298.4	289.6	280.8	269.4	256.8
35°	362.6	355.0	348.8	341.2	333.6	323.6	314.8	304.7	294.6	285.8	275.7
37.5°	381.5	376.5	370.2	365.1	358.8	347.5	334.9	323.6	311.0	299.6	289.6
40°	406.7	401.6	397.9	392.8	387.8	375.2	362.6	350.0	337.4	323.6	309.7
42.5°	438.1	433.1	428.1	423.0	418.0	405.4	391.6	379.0	365.1	350.0	336.2
45°	479.7	473.4	468.4	462.1	455.8	440.7	425.6	410.4	395.3	380.2	365.1
47.5°	526.3	521.2	516.2	511.2	506.1	488.5	469.6	452.0	433.1	418.0	402.9
50°	576.6	574.1	571.6	567.8	565.3	542.6	518.7	496.1	472.1	457.0	441.9
52.5°	632.0	630.8	629.5	627.0	625.7	599.3	574.1	547.7	521.2	507.4	492.3
55°	696.2	696.2	696.2	695.0	695.0	667.3	638.3	610.6	581.7	567.8	554.0
57.5°	765.5	766.7	768.0	769.3	770.5	742.8	716.4	688.7	661.0	645.9	632.0
60°	836.0	839.8	842.3	846.1	848.6	822.1	795.7	768.0	741.6	729.0	715.1
62.5°	904.0	909.0	914.1	919.1	924.1	902.7	881.3	858.7	837.3	822.1	808.3
65°	985.8	990.9	995.9	999.7	1004.7	988.3	972.0	954.3	938.0	922.9	907.8
67.5°	1061.4	1067.7	1074.0	1080.2	1086.5	1074.0	1062.6	1050.0	1037.4	1019.8	1003.4
70°	1128.1	1134.4	1141.9	1148.2	1154.5	1141.9	1129.4	1116.8	1104.2	1089.1	1074.0
72.5°	1182.2	1187.3	1191.0	1196.1	1199.9	1184.7	1169.6	1154.5	1139.4	1121.8	1105.4
75°	1130.6	1136.9	1143.2	1149.5	1155.8	1144.5	1133.1	1120.5	1109.2	1096.6	1084.0
77.5°	941.8	949.3	956.9	964.4	972.0	972.0	972.0	970.7	970.7	973.2	974.5
80°	494.8	520.0	545.2	570.3	595.5	622.0	648.4	674.8	701.3	723.9	746.6
82.5°	103.2	114.6	124.6	136.0	146.0	168.7	190.1	212.8	234.2	285.8	337.4
85°	35.3	39.0	44.1	47.8	51.6	55.4	60.4	64.2	68.0	85.6	103.2
87.5°	3.8	3.8	3.8	3.8	3.8	5.0	6.3	6.3	7.6	8.8	10.1
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	304.7	303.4	303.4	302.2	302.2	300.9	299.6	298.4	297.1	295.9	294.6
5°	269.4	263.1	261.9	260.6	259.4	258.1	258.1	258.1	258.1	258.1	258.1
7.5°	244.3	246.8	248.0	249.3	249.3	250.5	250.5	251.8	251.8	251.8	250.5
10°	198.9	200.2	204.0	207.7	210.3	214.0	214.0	214.0	212.8	212.8	219.1
12.5°	180.0	178.8	181.3	183.8	186.3	188.9	197.7	206.5	214.0	222.8	227.9
15°	157.4	157.4	158.6	161.2	162.4	163.7	168.7	172.5	177.5	181.3	188.9
17.5°	173.7	176.3	170.0	163.7	156.1	149.8	162.4	175.0	187.6	200.2	206.5
20°	164.9	168.7	173.7	177.5	182.6	186.3	187.6	187.6	188.9	188.9	188.9
22.5°	172.5	164.9	171.2	178.8	185.1	191.4	188.9	186.3	183.8	181.3	192.6
25°	191.4	197.7	192.6	187.6	182.6	177.5	187.6	198.9	209.0	219.1	215.3
27.5°	196.4	191.4	197.7	204.0	210.3	216.6	212.8	210.3	206.5	202.7	210.3
30°	222.8	216.6	214.0	211.5	207.7	205.2	211.5	216.6	222.8	227.9	226.6
32.5°	245.5	232.9	232.9	232.9	231.7	231.7	231.7	232.9	232.9	232.9	241.7
35°	266.9	256.8	254.3	251.8	249.3	246.8	249.3	251.8	253.1	255.6	266.9
37.5°	278.2	266.9	266.9	266.9	266.9	266.9	268.2	270.7	272.0	273.2	285.8
40°	295.9	282.0	283.3	285.8	287.1	288.3	290.8	294.6	297.1	299.6	311.0
42.5°	321.1	305.9	307.2	309.7	311.0	312.2	317.3	321.1	326.1	329.9	342.5
45°	350.0	334.9	337.4	338.7	341.2	342.5	347.5	352.5	356.3	361.3	377.7
47.5°	386.5	371.4	375.2	377.7	381.5	384.0	387.8	390.3	394.1	396.6	414.2
50°	426.8	411.7	416.7	421.8	426.8	431.8	433.1	433.1	434.4	434.4	457.0
52.5°	478.4	463.3	468.4	474.7	479.7	484.7	487.2	489.8	491.0	493.5	516.2
55°	538.9	525.0	532.6	540.1	547.7	555.2	556.5	557.8	557.8	559.0	581.7
57.5°	616.9	601.8	611.9	623.2	633.3	643.4	643.4	642.1	642.1	640.8	663.5
60°	702.5	688.7	701.3	715.1	727.7	740.3	736.5	732.8	727.7	723.9	749.1
62.5°	793.2	778.1	797.0	815.9	834.7	853.6	846.1	839.8	832.2	824.7	851.1
65°	891.4	876.3	898.9	921.6	944.3	966.9	953.1	939.2	924.1	910.3	940.5
67.5°	985.8	968.2	992.1	1014.8	1038.7	1061.4	1045.0	1028.6	1012.3	995.9	1031.1
70°	1058.8	1043.7	1065.1	1086.5	1107.9	1129.4	1113.0	1096.6	1080.2	1063.9	1106.7
72.5°	1087.8	1070.2	1096.6	1124.3	1150.8	1177.2	1160.8	1144.5	1126.8	1110.5	1154.5
75°	1071.4	1058.8	1095.4	1130.6	1167.1	1202.4	1178.5	1154.5	1130.6	1106.7	1145.7
77.5°	977.0	978.3	1029.9	1080.2	1131.9	1182.2	1139.4	1096.6	1053.8	1011.0	1029.9
80°	769.3	791.9	851.1	910.3	968.2	1027.4	965.7	905.2	843.6	781.9	769.3
82.5°	387.8	439.4	504.9	571.6	637.1	702.5	640.8	580.4	518.7	457.0	418.0
85°	120.9	138.5	164.9	191.4	217.8	244.3	212.8	181.3	149.8	118.3	105.8
87.5°	10.1	11.3	11.3	10.1	10.1	8.8	10.1	11.3	11.3	12.6	11.3
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7
2.5°	293.4	290.8	289.6	285.8	282.0	278.2	274.5	274.5	275.7	275.7	275.7
5°	258.1	258.1	258.1	258.1	258.1	258.1	258.1	258.1	259.4	259.4	259.4
7.5°	249.3	248.0	246.8	245.5	245.5	244.3	243.0	239.2	234.2	230.4	225.4
10°	226.6	232.9	239.2	241.7	244.3	245.5	248.0	248.0	249.3	249.3	249.3
12.5°	234.2	239.2	244.3	243.0	241.7	240.5	239.2	234.2	227.9	222.8	216.6
15°	196.4	202.7	210.3	219.1	229.1	238.0	246.8	248.0	249.3	250.5	251.8
17.5°	214.0	220.3	226.6	229.1	232.9	235.4	238.0	232.9	226.6	221.6	215.3
20°	187.6	187.6	186.3	201.4	217.8	232.9	248.0	250.5	253.1	254.3	256.8
22.5°	202.7	214.0	224.1	222.8	221.6	220.3	219.1	219.1	219.1	217.8	217.8
25°	212.8	209.0	205.2	219.1	231.7	245.5	258.1	260.6	263.1	264.4	266.9
27.5°	219.1	226.6	234.2	231.7	229.1	225.4	222.8	224.1	226.6	227.9	229.1
30°	226.6	225.4	224.1	238.0	250.5	264.4	277.0	278.2	279.5	279.5	280.8
32.5°	249.3	258.1	265.7	272.0	279.5	285.8	292.1	303.4	316.0	327.3	338.7
35°	278.2	288.3	299.6	312.2	324.8	337.4	350.0	352.5	356.3	358.8	361.3
37.5°	297.1	309.7	321.1	334.9	348.8	361.3	375.2	377.7	379.0	381.5	382.7
40°	322.3	333.6	345.0	360.1	375.2	389.0	404.1	406.7	407.9	410.4	411.7
42.5°	353.8	366.4	377.7	392.8	406.7	421.8	435.6	436.9	439.4	440.7	441.9
45°	392.8	409.2	424.3	438.1	450.7	464.6	477.2	478.4	479.7	479.7	480.9
47.5°	431.8	448.2	465.8	479.7	493.5	506.1	520.0	522.5	523.8	526.3	527.5
50°	478.4	501.1	522.5	535.1	548.9	561.5	574.1	575.4	577.9	579.2	580.4
52.5°	537.6	560.3	581.7	594.3	608.1	620.7	633.3	634.6	634.6	635.8	635.8
55°	604.3	627.0	649.7	662.3	674.8	687.4	700.0	700.0	700.0	698.8	698.8
57.5°	686.2	707.6	730.2	742.8	755.4	768.0	780.6	780.6	780.6	780.6	780.6
60°	775.6	800.7	825.9	837.3	848.6	859.9	871.2	868.7	865.0	862.4	858.7
62.5°	876.3	902.7	927.9	936.7	944.3	953.1	960.6	956.9	951.8	948.1	943.0
65°	970.7	1000.9	1031.1	1037.4	1043.7	1048.8	1055.1	1048.8	1042.5	1034.9	1028.6
67.5°	1066.4	1100.4	1135.6	1138.2	1140.7	1143.2	1145.7	1139.4	1133.1	1125.6	1119.3
70°	1149.5	1192.3	1235.1	1236.4	1237.6	1238.9	1240.1	1233.9	1227.6	1220.0	1213.7
72.5°	1197.3	1241.4	1284.2	1288.0	1290.5	1294.3	1296.8	1290.5	1285.5	1279.2	1272.9
75°	1183.5	1222.5	1260.3	1256.5	1252.7	1247.7	1243.9	1233.9	1223.8	1212.4	1202.4
77.5°	1048.8	1066.4	1085.3	1065.1	1043.7	1023.6	1002.2	992.1	980.8	970.7	959.4
80°	756.7	742.8	730.2	692.5	654.7	615.7	577.9	552.7	527.5	502.4	477.2
82.5°	380.2	341.2	302.2	268.2	234.2	198.9	164.9	152.3	138.5	125.9	112.1
85°	94.4	81.8	69.2	64.2	59.2	54.1	49.1	42.8	37.8	31.5	25.2
87.5°	11.3	10.1	8.8	7.6	7.6	6.3	5.0	5.0	5.0	3.8	3.8
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: P560177

CATALOG NUMBER: SDL-PA1-30-730-U-5WQ

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	309.7	309.7
2.5°	275.7	274.5
5°	259.4	259.4
7.5°	224.1	221.6
10°	249.3	249.3
12.5°	217.8	219.1
15°	251.8	251.8
17.5°	215.3	214.0
20°	256.8	256.8
22.5°	217.8	217.8
25°	266.9	265.7
27.5°	229.1	229.1
30°	280.8	280.8
32.5°	339.9	341.2
35°	362.6	362.6
37.5°	384.0	384.0
40°	411.7	410.4
42.5°	443.2	443.2
45°	482.2	482.2
47.5°	528.8	530.1
50°	580.4	580.4
52.5°	635.8	634.6
55°	698.8	698.8
57.5°	776.8	771.8
60°	857.4	856.1
62.5°	941.8	939.2
65°	1027.4	1024.9
67.5°	1118.0	1115.5
70°	1213.7	1212.4
72.5°	1269.1	1265.3
75°	1199.9	1197.3
77.5°	949.3	938.0
80°	470.9	464.6
82.5°	112.1	112.1
85°	23.9	22.7
87.5°	3.8	3.8
90°	0.0	0.0



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