

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: P560347

Luminaire Tested: **SDL-PA1-40-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4130.9 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 39.4
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

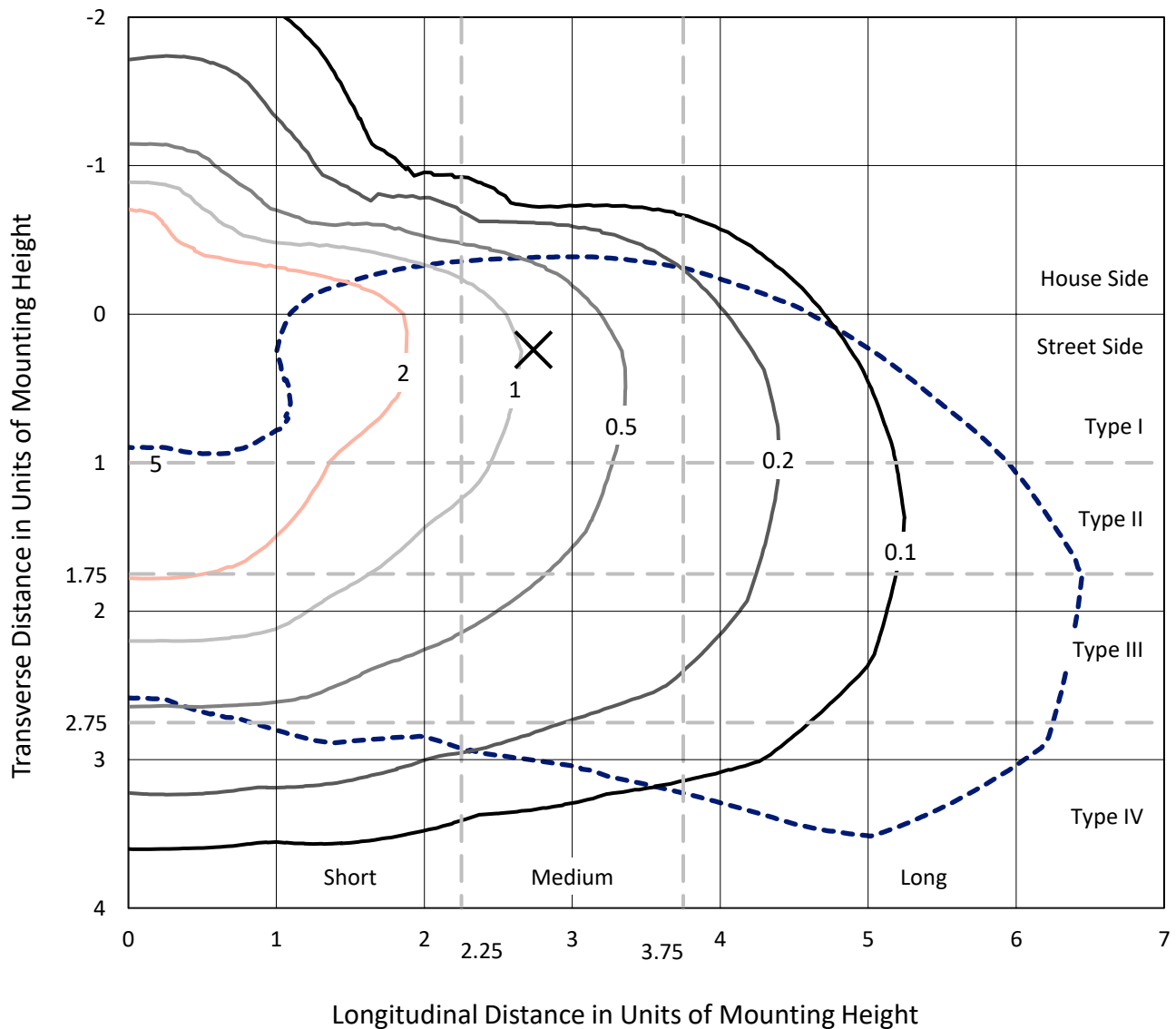


REPORT NUMBER: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

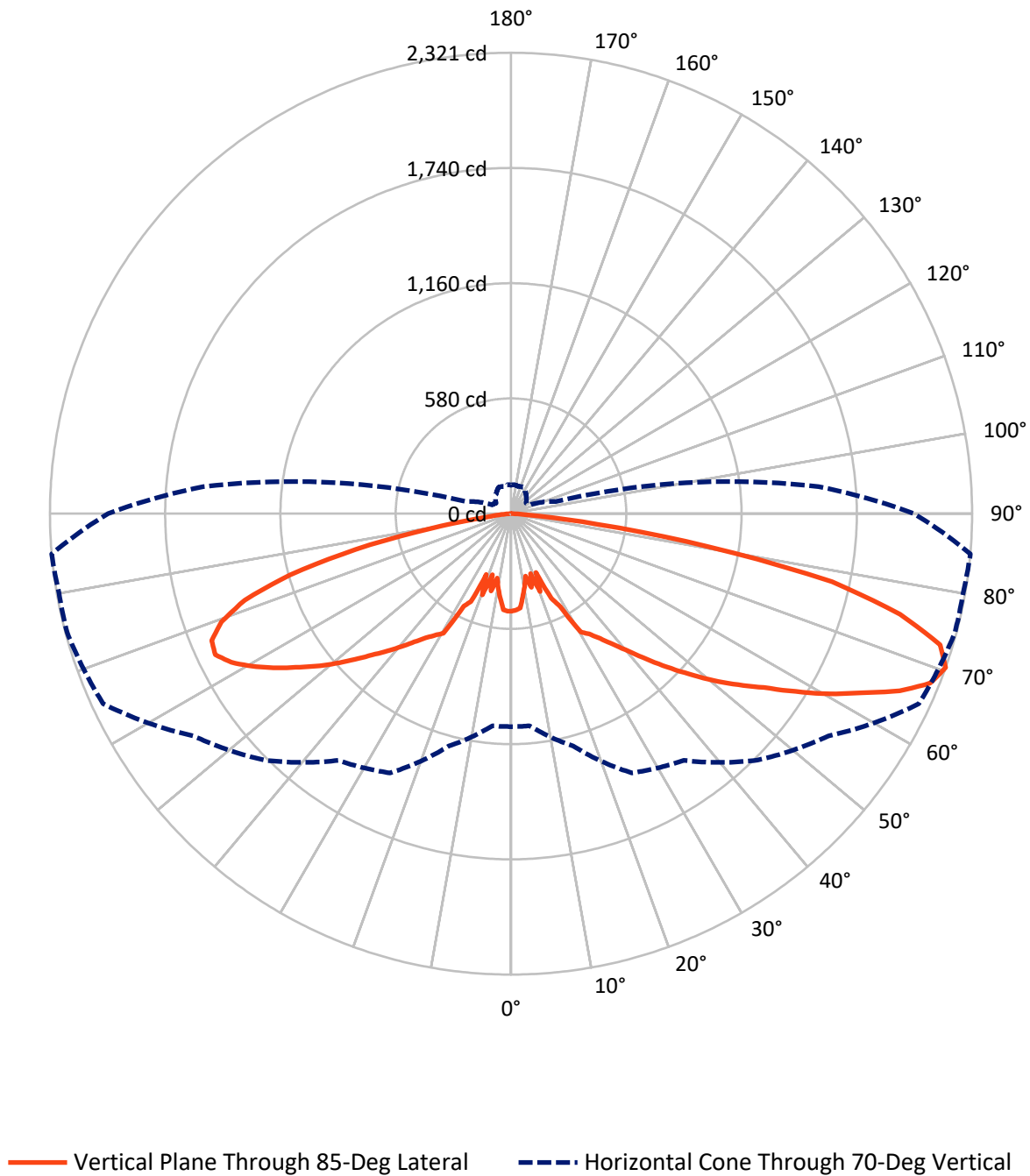


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

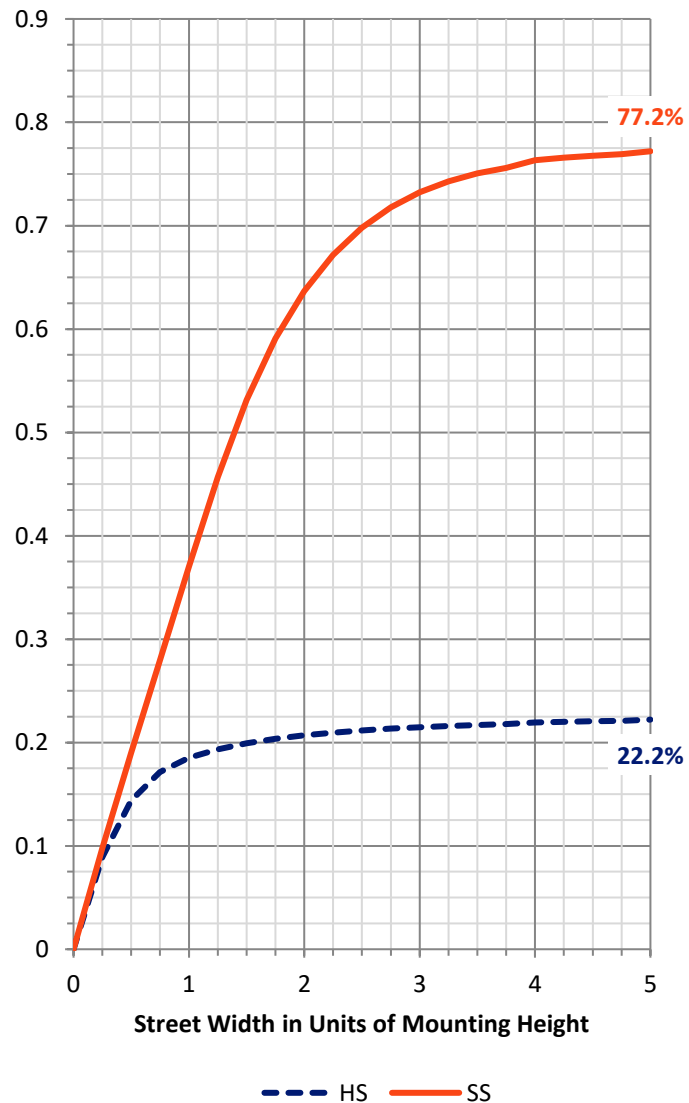
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	934.0	0.0	934.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3196.9	0.0	3196.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	4130.9	0.0	4130.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.0
10°-20°	99.7	2.4
20°-30°	182.3	4.4
30°-40°	344.3	8.3
40°-50°	560.8	13.6
50°-60°	865.1	20.9
60°-70°	1060.4	25.7
70°-80°	830.5	20.1
80°-90°	147.9	3.6
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°	4130.9	100.0
0°-180°	4130.9	100.0

Coefficient of Utilization



REPORT NUMBER: P560347

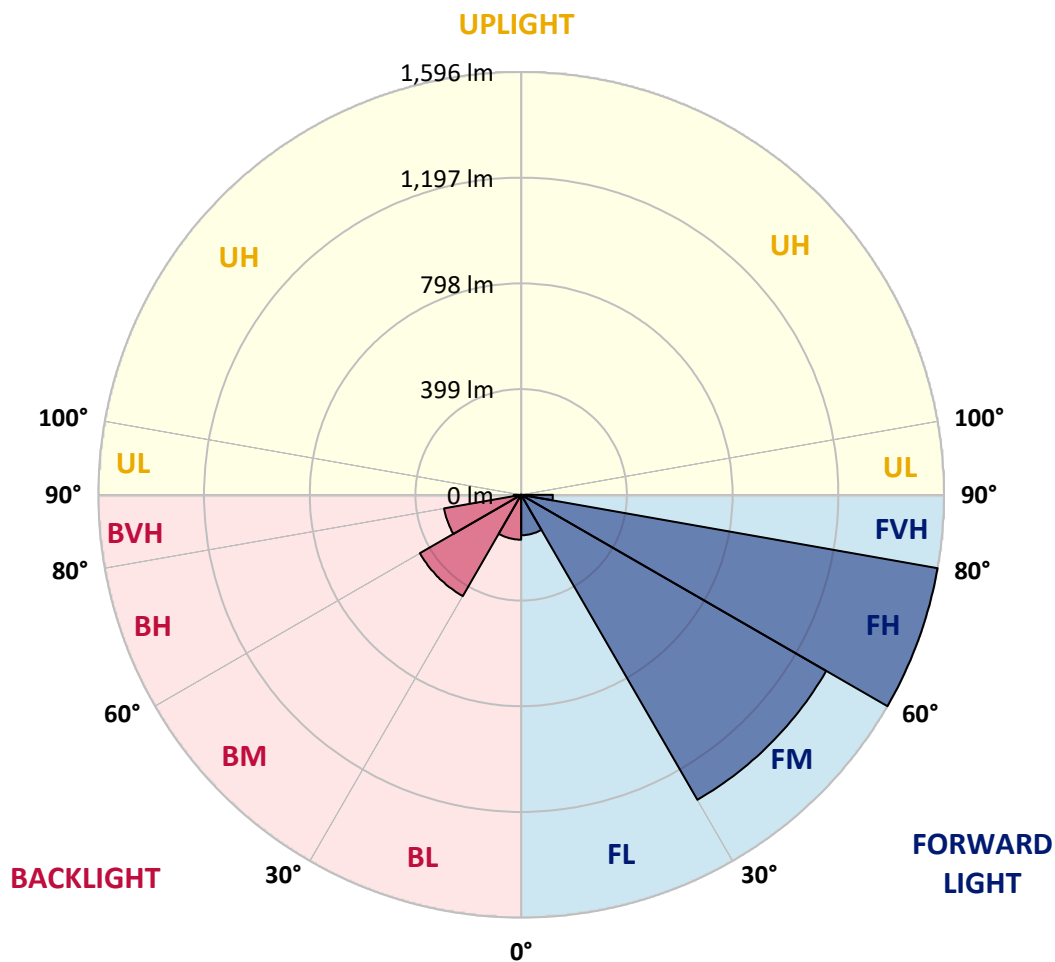
CATALOG NUMBER: SDL-PA1-40-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.5	3.7			
FM	(30°-60°)	1329.0	32.2			
FH	(60°-80°)	1595.6	38.6			G1/1800
FVH	(80°-90°)	119.8	2.9			G2/225
BL	(0°-30°)	169.4	4.1	B1/500		
BM	(30°-60°)	441.2	10.7	B1/1000		
BH	(60°-80°)	295.3	7.1	B1/500		G1/500
BVH	(80°-90°)	28.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7
2.5°	404.6	440.9	440.9	440.9	448.4	454.5	457.5	459.0	465.0	469.6	472.6
5°	377.5	379.0	379.0	379.0	380.5	382.0	383.5	385.0	388.0	389.5	394.1
7.5°	317.1	323.1	335.2	345.7	353.3	360.8	366.9	371.4	374.4	377.5	379.0
10°	353.3	353.3	353.3	353.3	353.3	353.3	335.2	317.1	318.6	318.6	309.5
12.5°	295.9	305.0	318.6	330.7	341.2	350.3	338.2	326.1	303.5	280.8	280.8
15°	342.7	342.7	341.2	339.7	320.1	300.5	282.3	264.2	276.3	288.4	267.2
17.5°	294.4	295.9	314.0	330.7	327.6	323.1	306.5	288.4	259.7	229.5	259.7
20°	377.5	372.9	363.9	354.8	312.5	270.3	277.8	285.4	292.9	298.9	298.9
22.5°	347.3	350.3	356.3	362.4	357.8	351.8	308.0	264.2	289.9	315.6	292.9
25°	475.6	475.6	457.5	439.4	394.1	347.3	354.8	360.8	317.1	271.8	309.5
27.5°	439.4	436.3	428.8	419.7	428.8	436.3	397.1	356.3	368.4	380.5	348.8
30°	584.3	584.3	576.8	569.2	504.3	437.8	433.3	427.3	401.6	374.4	392.6
32.5°	700.6	699.0	664.3	629.6	593.4	555.6	516.4	475.6	472.6	469.6	466.5
35°	839.5	839.5	819.8	800.2	720.2	638.7	591.8	545.0	531.5	517.9	528.4
37.5°	918.0	928.5	921.0	911.9	824.4	735.3	670.4	603.9	590.3	576.8	581.3
40°	1026.7	1023.7	1022.1	1019.1	918.0	816.8	747.4	676.4	667.3	658.3	658.3
42.5°	1191.2	1174.6	1156.5	1136.9	1034.2	931.6	854.6	776.0	759.4	741.3	742.8
45°	1417.7	1399.6	1357.3	1313.5	1209.4	1105.2	1002.5	899.9	871.2	841.0	838.0
47.5°	1556.6	1537.0	1515.9	1493.2	1381.5	1269.8	1164.1	1056.9	1014.6	972.3	955.7
50°	1700.1	1681.9	1665.3	1648.7	1550.6	1452.4	1346.8	1241.1	1174.6	1108.2	1079.5
52.5°	1835.9	1802.7	1786.1	1769.5	1686.5	1601.9	1491.7	1381.5	1331.7	1281.8	1219.9
55°	1902.4	1861.6	1855.6	1848.0	1786.1	1722.7	1617.0	1511.3	1455.5	1398.1	1336.2
57.5°	1808.8	1811.8	1845.0	1878.2	1843.5	1808.8	1709.1	1609.5	1553.6	1497.7	1450.9
60°	1724.2	1746.9	1787.6	1828.4	1831.4	1832.9	1780.1	1727.2	1665.3	1603.4	1567.2
62.5°	1608.0	1624.6	1688.0	1749.9	1796.7	1842.0	1787.6	1733.3	1712.1	1689.5	1666.8
65°	1450.9	1455.5	1527.9	1598.9	1683.5	1766.5	1724.2	1681.9	1718.2	1752.9	1755.9
67.5°	1259.2	1272.8	1343.7	1414.7	1517.4	1618.5	1617.0	1615.5	1692.5	1768.0	1820.8
70°	1072.0	1072.0	1141.4	1210.9	1325.6	1440.4	1478.1	1515.9	1635.1	1754.4	1852.6
72.5°	807.8	845.5	881.7	918.0	1046.3	1173.1	1256.2	1339.2	1517.4	1694.0	1843.5
75°	445.4	448.4	480.1	511.8	640.2	768.5	893.8	1019.1	1257.7	1496.2	1731.8
77.5°	146.5	141.9	160.0	176.6	252.1	326.1	431.8	537.5	800.2	1062.9	1441.9
80°	81.5	83.0	89.1	95.1	119.3	141.9	193.3	244.6	356.3	466.5	916.5
82.5°	54.4	55.9	61.9	67.9	78.5	89.1	117.8	144.9	155.5	164.6	413.7
85°	34.7	36.2	39.3	42.3	45.3	46.8	66.4	86.1	78.5	71.0	123.8
87.5°	7.5	7.5	9.1	9.1	10.6	12.1	15.1	18.1	16.6	13.6	18.1
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: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7
2.5°	474.1	477.1	478.6	480.1	481.6	484.7	486.2	487.7	490.7	492.2	492.2
5°	398.6	425.8	451.4	460.5	469.6	474.1	477.1	481.6	484.7	487.7	490.7
7.5°	380.5	382.0	383.5	394.1	404.6	413.7	422.7	425.8	433.3	428.8	422.7
10°	298.9	300.5	300.5	311.0	321.6	353.3	374.4	379.0	383.5	365.4	345.7
12.5°	279.3	286.9	294.4	289.9	285.4	308.0	323.1	329.1	332.2	320.1	308.0
15°	244.6	252.1	258.2	292.9	327.6	357.8	385.0	392.6	401.6	382.0	360.8
17.5°	289.9	286.9	282.3	288.4	294.4	302.0	317.1	321.6	321.6	327.6	333.7
20°	298.9	265.7	232.5	294.4	356.3	383.5	418.2	430.3	433.3	416.7	400.1
22.5°	268.7	306.5	344.2	336.7	329.1	321.6	321.6	326.1	330.7	333.7	336.7
25°	345.7	314.0	282.3	354.8	427.3	456.0	472.6	480.1	486.2	465.0	442.4
27.5°	317.1	359.3	400.1	431.8	463.5	495.2	529.9	563.2	522.4	502.8	483.1
30°	409.2	443.9	478.6	554.1	629.6	670.4	691.5	691.5	691.5	662.8	632.6
32.5°	463.5	523.9	584.3	625.1	664.3	705.1	721.7	721.7	721.7	687.0	650.7
35°	537.5	585.8	634.1	680.9	727.7	759.4	771.5	767.0	757.9	711.1	664.3
37.5°	585.8	650.7	715.7	764.0	810.8	830.4	834.9	821.3	807.8	745.9	682.4
40°	658.3	729.2	798.7	850.0	901.4	918.0	908.9	890.8	866.6	783.6	700.6
42.5°	742.8	813.8	884.8	945.1	1004.0	1014.6	1001.0	972.3	930.0	816.8	702.1
45°	834.9	905.9	975.3	1043.3	1111.2	1118.8	1100.7	1058.4	996.5	848.5	700.6
47.5°	937.6	993.5	1049.3	1146.0	1242.6	1233.5	1206.3	1158.0	1076.5	886.3	694.5
50°	1050.8	1094.6	1136.9	1257.7	1378.5	1351.3	1321.1	1268.2	1161.1	930.0	697.5
52.5°	1156.5	1198.8	1241.1	1366.4	1490.2	1464.5	1431.3	1384.5	1247.1	976.9	705.1
55°	1274.3	1319.6	1364.9	1497.7	1630.6	1586.8	1544.5	1514.4	1331.7	1016.1	700.6
57.5°	1402.6	1460.0	1517.4	1639.7	1760.5	1713.6	1689.5	1650.2	1425.3	1062.9	700.6
60°	1531.0	1600.4	1669.9	1777.1	1884.3	1846.5	1842.0	1787.6	1512.8	1097.6	680.9
62.5°	1644.2	1748.4	1852.6	1937.1	2020.1	1983.9	1985.4	1922.0	1594.4	1105.2	614.5
65°	1758.9	1893.3	2026.2	2088.1	2150.0	2124.3	2150.0	2036.7	1648.7	1075.0	501.3
67.5°	1872.2	2020.1	2168.1	2214.9	2261.7	2246.6	2276.8	2074.5	1636.6	996.5	354.8
70°	1950.7	2107.7	2264.7	2288.9	2313.0	2310.0	2320.6	2027.7	1555.1	895.3	234.0
72.5°	1993.0	2140.9	2287.4	2297.9	2307.0	2302.5	2258.7	1881.2	1408.7	785.1	161.6
75°	1965.8	2109.2	2252.7	2231.5	2210.4	2168.1	2021.7	1620.0	1155.0	637.1	119.3
77.5°	1820.8	1976.4	2131.9	2077.5	2021.7	1897.8	1651.7	1213.9	803.2	448.4	92.1
80°	1366.4	1558.1	1749.9	1685.0	1618.5	1357.3	1005.5	679.4	415.2	243.1	71.0
82.5°	661.3	768.5	875.7	859.1	842.5	623.6	434.8	244.6	119.3	87.6	55.9
85°	175.1	259.7	344.2	329.1	314.0	166.1	72.5	63.4	46.8	43.8	39.3
87.5°	21.1	24.2	25.7	18.1	9.1	7.5	7.5	4.5	4.5	6.0	6.0
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: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7
2.5°	495.2	496.7	496.7	496.7	496.7	496.7	484.7	472.6	469.6	466.5	460.5
5°	477.1	462.0	451.4	440.9	440.9	439.4	443.9	448.4	451.4	452.9	454.5
7.5°	424.3	425.8	434.8	442.4	449.9	456.0	460.5	463.5	460.5	456.0	437.8
10°	347.3	348.8	356.3	362.4	372.9	382.0	407.7	431.8	460.5	489.2	496.7
12.5°	330.7	351.8	339.7	327.6	360.8	392.6	425.8	457.5	480.1	501.3	486.2
15°	336.7	312.5	317.1	321.6	362.4	403.1	379.0	353.3	413.7	474.1	487.7
17.5°	335.2	335.2	357.8	380.5	342.7	303.5	359.3	413.7	437.8	460.5	442.4
20°	357.8	314.0	330.7	345.7	375.9	404.6	380.5	356.3	365.4	374.4	433.3
22.5°	372.9	407.7	369.9	330.7	357.8	385.0	380.5	375.9	403.1	430.3	415.2
25°	389.5	335.2	362.4	388.0	357.8	326.1	350.3	372.9	365.4	357.8	404.6
27.5°	446.9	409.2	374.4	339.7	357.8	374.4	356.3	336.7	344.2	351.8	348.8
30°	540.5	446.9	403.1	359.3	336.7	312.5	314.0	315.6	324.6	333.7	359.3
32.5°	564.7	478.6	415.2	351.8	336.7	321.6	308.0	292.9	306.5	320.1	350.3
35°	570.7	475.6	407.7	339.7	315.6	291.4	282.3	273.3	295.9	318.6	345.7
37.5°	567.7	451.4	379.0	306.5	288.4	270.3	265.7	259.7	274.8	288.4	308.0
40°	560.1	419.7	347.3	274.8	259.7	244.6	241.6	238.6	249.1	259.7	271.8
42.5°	546.6	389.5	317.1	244.6	234.0	223.5	220.4	215.9	225.0	234.0	238.6
45°	529.9	359.3	291.4	221.9	214.4	205.3	200.8	194.8	203.8	211.4	212.9
47.5°	513.3	330.7	268.7	205.3	199.3	191.7	187.2	181.2	188.7	194.8	196.3
50°	499.8	300.5	244.6	188.7	182.7	176.6	172.1	167.6	175.1	181.2	181.2
52.5°	492.2	277.8	223.5	169.1	166.1	163.1	161.6	158.5	164.6	170.6	172.1
55°	474.1	246.1	199.3	151.0	152.5	152.5	151.0	148.0	160.0	170.6	175.1
57.5°	454.5	208.4	173.6	137.4	140.4	143.4	144.9	146.5	160.0	172.1	178.2
60°	428.8	176.6	151.0	125.3	129.8	132.9	140.4	146.5	158.5	170.6	173.6
62.5°	383.5	151.0	132.9	114.7	120.8	126.8	135.9	144.9	154.0	163.1	163.1
65°	317.1	131.4	119.3	105.7	114.7	122.3	132.9	143.4	151.0	157.0	155.5
67.5°	237.0	117.8	108.7	98.1	108.7	117.8	126.8	135.9	144.9	154.0	151.0
70°	170.6	105.7	99.6	92.1	101.2	110.2	119.3	128.3	137.4	146.5	144.9
72.5°	129.8	96.6	90.6	84.5	93.6	101.2	111.7	122.3	131.4	140.4	137.4
75°	104.2	87.6	83.0	77.0	86.1	95.1	105.7	114.7	123.8	132.9	129.8
77.5°	86.1	78.5	74.0	69.5	77.0	84.5	95.1	105.7	114.7	122.3	119.3
80°	69.5	66.4	63.4	58.9	67.9	75.5	86.1	95.1	102.7	110.2	105.7
82.5°	54.4	52.8	51.3	48.3	55.9	63.4	74.0	84.5	90.6	96.6	93.6
85°	40.8	40.8	39.3	37.7	43.8	48.3	54.4	58.9	64.9	69.5	66.4
87.5°	6.0	6.0	9.1	10.6	10.6	10.6	15.1	19.6	19.6	18.1	15.1
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: P560347

CATALOG NUMBER: SDL-PA1-40-727-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	490.7	490.7	490.7	490.7
2.5°	454.5	454.5	454.5	456.0
5°	456.0	457.5	457.5	460.5
7.5°	418.2	416.7	415.2	415.2
10°	502.8	505.8	507.3	510.3
12.5°	469.6	451.4	433.3	433.3
15°	501.3	504.3	505.8	508.8
17.5°	424.3	422.7	421.2	418.2
20°	490.7	493.7	495.2	495.2
22.5°	400.1	400.1	398.6	398.6
25°	451.4	451.4	451.4	454.5
27.5°	344.2	354.8	365.4	379.0
30°	385.0	386.5	388.0	388.0
32.5°	380.5	400.1	419.7	422.7
35°	372.9	372.9	371.4	372.9
37.5°	327.6	323.1	317.1	320.1
40°	282.3	271.8	261.2	259.7
42.5°	243.1	234.0	223.5	223.5
45°	214.4	208.4	200.8	197.8
47.5°	196.3	190.2	184.2	182.7
50°	179.7	173.6	167.6	167.6
52.5°	173.6	169.1	163.1	161.6
55°	179.7	170.6	161.6	158.5
57.5°	182.7	172.1	161.6	157.0
60°	175.1	169.1	161.6	155.5
62.5°	161.6	158.5	155.5	152.5
65°	152.5	152.5	151.0	148.0
67.5°	148.0	149.5	149.5	146.5
70°	141.9	144.9	146.5	143.4
72.5°	134.4	135.9	135.9	131.4
75°	125.3	123.8	122.3	119.3
77.5°	114.7	113.2	110.2	107.2
80°	101.2	99.6	98.1	93.6
82.5°	89.1	92.1	93.6	77.0
85°	61.9	55.9	49.8	40.8
87.5°	12.1	9.1	4.5	4.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)