

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: P560351

Luminaire Tested: **SDL-PA1-40-727-U-T4W**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)  
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-T4W  
Description: Springdale  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4124.9 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

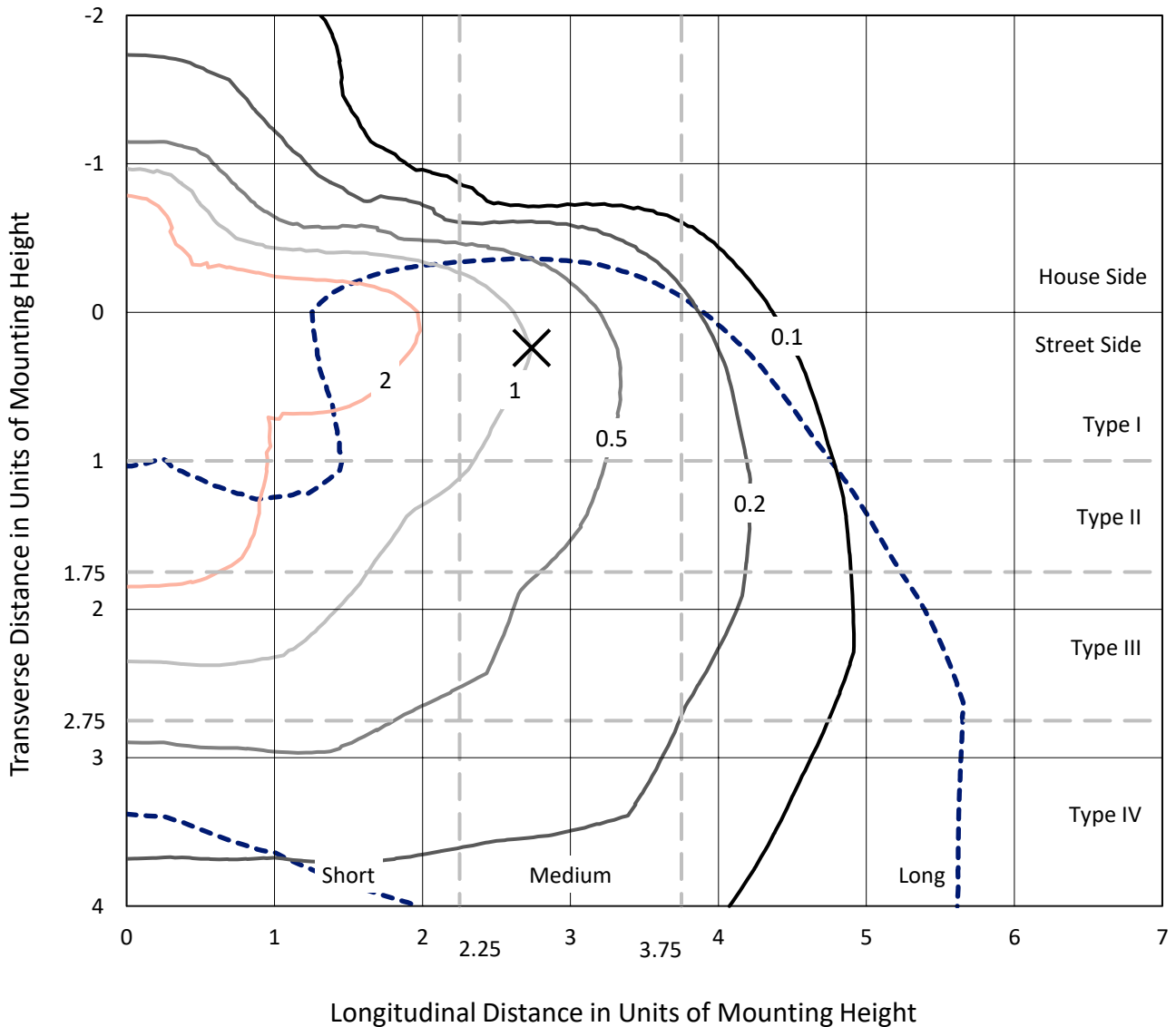
Input Watts (W): 39.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P560351  
 CATALOG NUMBER: SDL-PA1-40-727-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

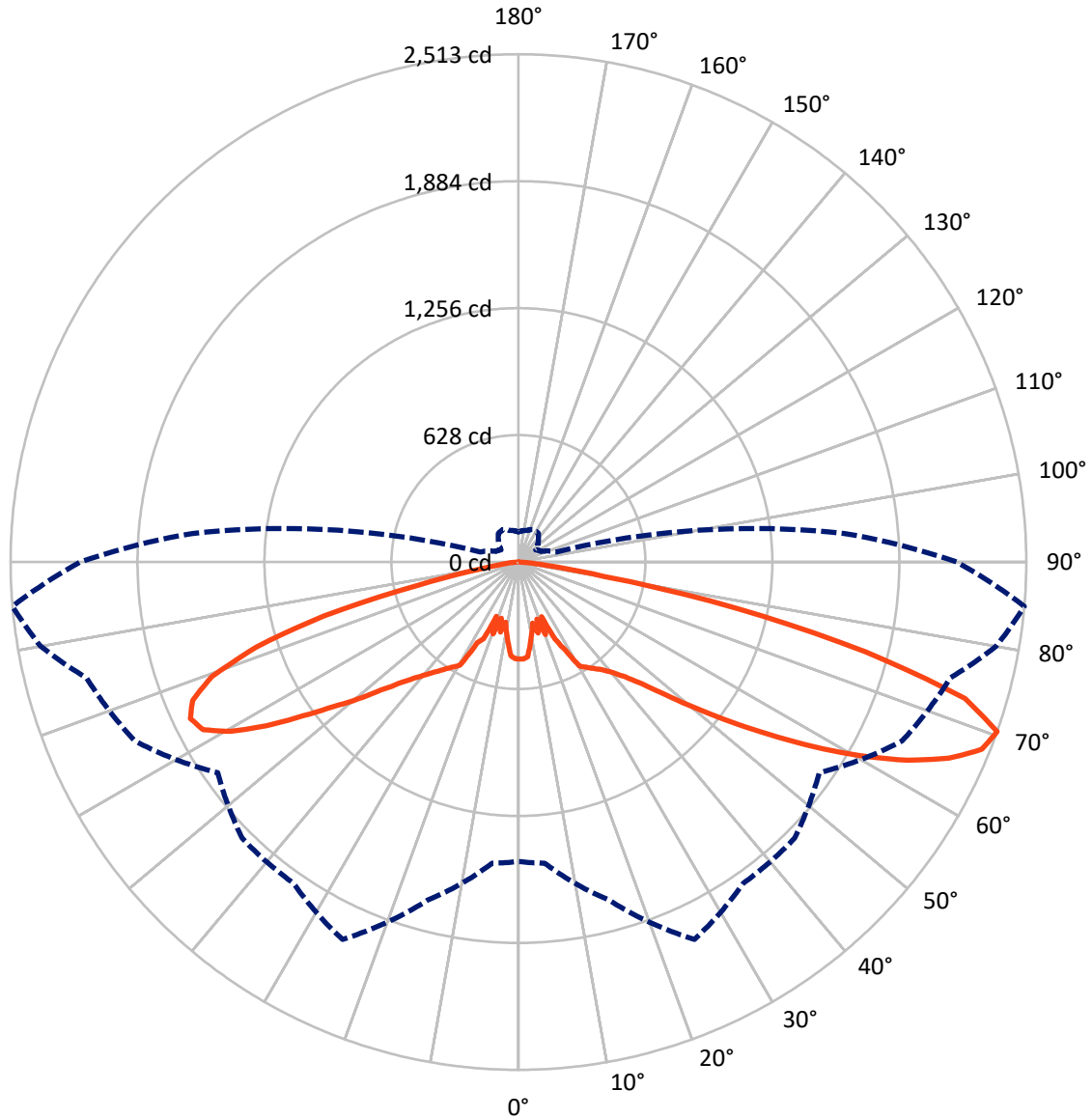
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P560351  
CATALOG NUMBER: SDL-PA1-40-727-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560351

CATALOG NUMBER: SDL-PA1-40-727-U-T4W

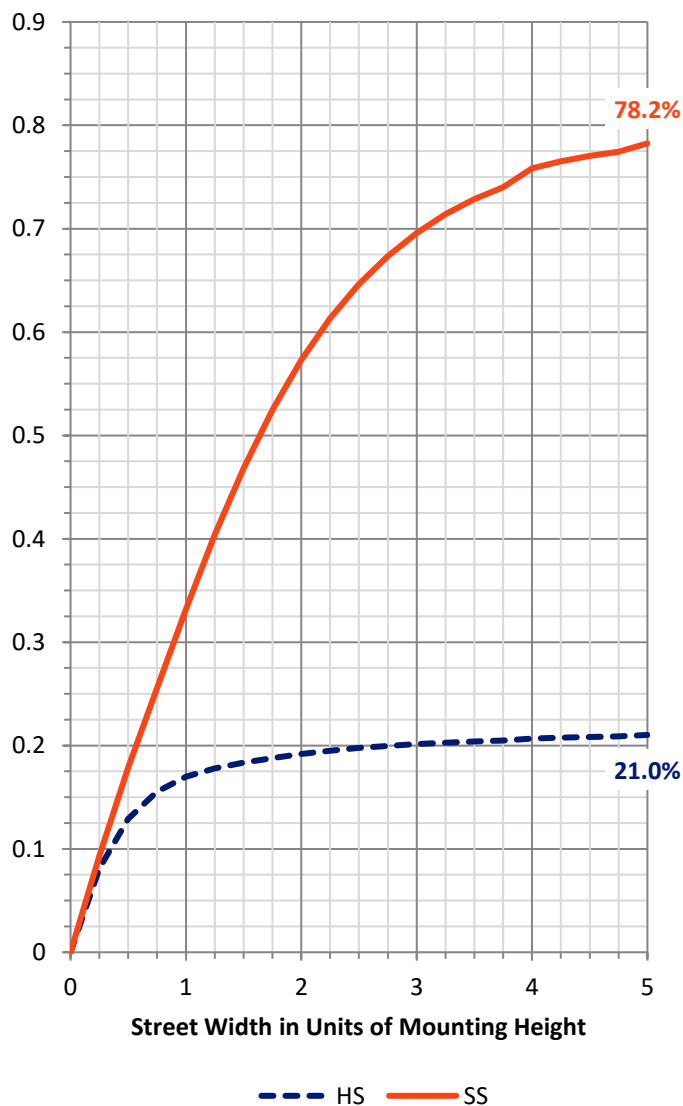
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	886.9	0.0	886.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	3238.0	0.0	3238.0
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	4124.9	0.0	4124.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	1.0
10°-20°	100.4	2.4
20°-30°	175.5	4.3
30°-40°	309.1	7.5
40°-50°	466.3	11.3
50°-60°	741.8	18.0
60°-70°	1087.7	26.4
70°-80°	1020.0	24.7
80°-90°	184.2	4.5
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°	4124.9	100.0
0°-180°	4124.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P560351

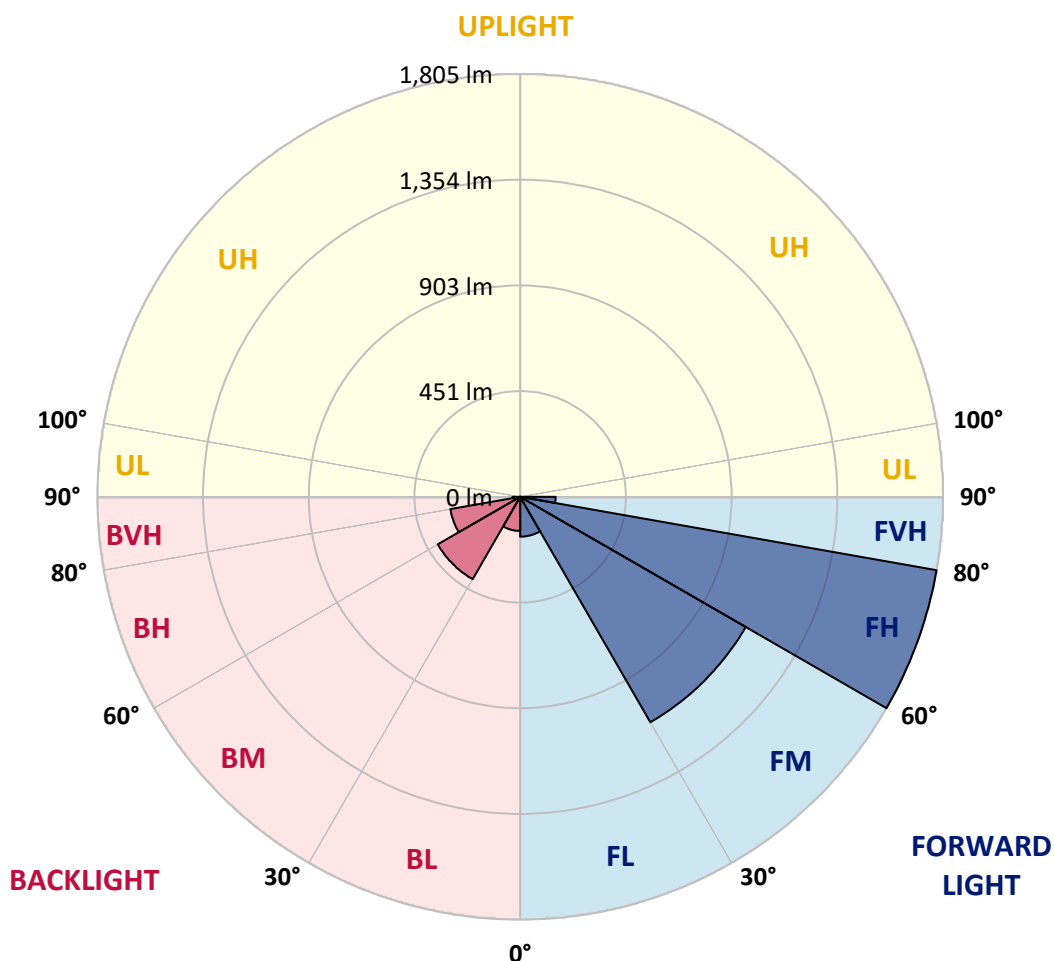
CATALOG NUMBER: SDL-PA1-40-727-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.1	4.1			
FM (30°-60°)	1111.3	26.9			
FH (60°-80°)	1805.0	43.8			G2/5000
FVH (80°-90°)	151.7	3.7			G2/225
BL (0°-30°)	145.6	3.5	B1/500		
BM (30°-60°)	406.0	9.8	B1/1000		
BH (60°-80°)	302.7	7.3	B1/500		G1/500
BVH (80°-90°)	32.5	0.8			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: P560351  
 CATALOG NUMBER: SDL-PA1-40-727-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	435.5	453.8	462.9	472.0	475.1	478.1	478.1	476.6	476.6	476.6	479.7
5°	443.1	441.6	441.6	441.6	440.1	438.5	437.0	434.0	432.5	429.4	427.9
7.5°	406.6	437.0	438.5	440.1	440.1	438.5	441.6	444.6	441.6	437.0	430.9
10°	482.7	481.2	478.1	475.1	470.5	466.0	430.9	394.4	397.4	400.5	371.5
12.5°	418.7	447.7	459.9	472.0	473.6	473.6	449.2	423.3	389.8	356.3	342.6
15°	511.6	508.6	502.5	496.4	455.3	412.7	388.3	363.9	363.9	363.9	322.8
17.5°	430.9	429.4	456.8	484.2	469.0	453.8	418.7	383.7	332.0	278.7	312.2
20°	528.4	528.4	520.8	513.2	443.1	371.5	376.1	379.2	380.7	380.7	365.5
22.5°	443.1	440.1	443.1	444.6	444.6	444.6	380.7	316.7	351.7	385.2	350.2
25°	528.4	529.9	528.4	526.9	462.9	397.4	408.1	418.7	370.0	319.8	353.3
27.5°	461.4	459.9	452.2	444.6	446.2	447.7	414.2	379.2	399.0	418.7	383.7
30°	564.9	566.5	561.9	555.8	491.8	427.9	424.8	420.3	406.6	392.9	405.0
32.5°	682.2	682.2	635.0	587.8	548.2	507.1	473.6	440.1	453.8	467.5	452.2
35°	744.6	741.6	726.3	709.6	636.5	561.9	516.2	469.0	473.6	476.6	476.6
37.5°	855.8	854.2	832.9	811.6	712.6	612.1	552.7	491.8	501.0	508.6	497.9
40°	994.3	994.3	977.6	959.3	832.9	705.0	621.3	537.5	536.0	533.0	520.8
42.5°	1128.3	1132.9	1122.2	1111.6	963.9	816.2	706.5	596.9	583.2	569.5	557.3
45°	1216.7	1222.7	1231.9	1241.0	1094.8	948.7	820.7	691.3	665.4	638.0	616.7
47.5°	1306.5	1297.4	1309.5	1321.7	1196.9	1072.0	931.9	791.8	749.2	706.5	683.7
50°	1390.2	1387.2	1391.8	1396.3	1294.3	1192.3	1047.6	903.0	851.2	797.9	772.0
52.5°	1499.9	1489.2	1483.1	1477.0	1390.2	1303.4	1166.4	1027.8	966.9	904.5	874.0
55°	1604.9	1600.4	1591.2	1580.6	1506.0	1431.4	1286.7	1142.0	1078.1	1014.1	979.1
57.5°	1713.1	1710.0	1708.5	1707.0	1641.5	1576.0	1428.3	1279.1	1206.0	1131.4	1102.4
60°	1815.1	1816.6	1828.8	1839.4	1789.2	1738.9	1589.7	1440.5	1347.6	1253.2	1224.3
62.5°	1876.0	1880.6	1911.0	1939.9	1912.5	1885.1	1731.3	1576.0	1478.6	1379.6	1359.8
65°	1798.3	1821.2	1909.5	1997.8	1997.8	1997.8	1857.7	1716.1	1630.8	1545.6	1528.8
67.5°	1624.7	1647.6	1774.0	1898.8	1964.3	2029.8	1938.4	1847.1	1789.2	1729.8	1708.5
70°	1481.6	1495.3	1614.1	1731.3	1895.8	2060.2	2000.9	1939.9	1936.9	1932.3	1874.5
72.5°	1361.3	1391.8	1489.2	1585.2	1812.0	2038.9	2037.4	2035.9	2098.3	2160.7	2049.6
75°	1088.7	1085.7	1177.1	1268.4	1524.2	1778.5	1921.7	2063.3	2243.0	2421.1	2250.6
77.5°	485.7	519.2	606.0	692.8	922.8	1151.2	1426.8	1702.4	2098.3	2492.7	2319.1
80°	138.6	146.2	170.5	193.4	301.5	408.1	697.4	985.2	1483.1	1979.5	1862.3
82.5°	73.1	76.1	91.4	105.1	135.5	164.5	274.1	382.2	810.1	1236.4	1129.9
85°	35.0	32.0	41.1	48.7	65.5	82.2	126.4	170.5	313.7	456.8	394.4
87.5°	7.6	7.6	9.1	9.1	13.7	18.3	27.4	36.5	35.0	32.0	38.1
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: P560351  
 CATALOG NUMBER: SDL-PA1-40-727-U-T4W

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	481.2	482.7	484.2	482.7	481.2	479.7	479.7	478.1	478.1	476.6	473.6
5°	426.4	447.7	469.0	470.5	472.0	472.0	470.5	469.0	466.0	464.4	461.4
7.5°	424.8	417.2	409.6	411.1	412.7	414.2	414.2	409.6	408.1	395.9	383.7
10°	341.1	333.5	325.9	330.4	335.0	351.7	360.9	357.8	354.8	333.5	310.6
12.5°	328.9	325.9	322.8	300.0	277.1	296.9	310.6	309.1	304.5	284.7	265.0
15°	281.7	283.2	283.2	309.1	335.0	351.7	363.9	360.9	357.8	333.5	309.1
17.5°	344.1	327.4	309.1	304.5	300.0	307.6	296.9	280.2	290.8	287.8	284.7
20°	348.7	307.6	265.0	307.6	350.2	360.9	383.7	382.2	377.6	356.3	335.0
22.5°	315.2	339.6	362.4	339.6	316.7	301.5	293.9	290.8	289.3	295.4	300.0
25°	386.8	341.1	293.9	350.2	405.0	417.2	423.3	418.7	417.2	389.8	362.4
27.5°	347.2	371.5	395.9	414.2	432.5	447.7	493.4	449.2	447.7	421.8	394.4
30°	415.7	441.6	467.5	514.7	561.9	587.8	596.9	593.9	586.2	545.1	504.0
32.5°	437.0	488.8	539.0	560.4	580.2	607.6	621.3	619.7	612.1	563.4	513.2
35°	476.6	514.7	552.7	581.7	609.1	635.0	647.2	651.7	642.6	581.7	519.2
37.5°	487.3	536.0	584.7	615.2	645.6	665.4	676.1	689.8	679.1	606.0	531.4
40°	508.6	566.5	622.8	653.2	682.2	700.5	718.7	735.5	721.8	633.5	543.6
42.5°	543.6	603.0	660.9	695.9	729.4	755.3	776.6	799.4	773.5	659.3	543.6
45°	595.4	650.2	705.0	752.2	797.9	829.9	860.3	892.3	840.5	692.8	543.6
47.5°	660.9	714.2	765.9	840.5	915.2	944.1	980.6	1011.1	927.3	735.5	543.6
50°	744.6	804.0	863.4	962.4	1059.8	1087.2	1132.9	1155.7	1043.1	801.0	557.3
52.5°	842.1	907.5	971.5	1087.2	1202.9	1248.6	1309.5	1324.8	1160.3	866.4	571.0
55°	944.1	1032.4	1119.2	1247.1	1373.5	1417.7	1504.4	1516.6	1311.1	947.1	581.7
57.5°	1073.5	1177.1	1279.1	1403.9	1527.3	1589.7	1725.2	1729.8	1486.2	1046.1	604.5
60°	1195.3	1324.8	1452.7	1571.4	1690.2	1787.7	1944.5	1946.0	1650.6	1120.7	589.3
62.5°	1340.0	1493.8	1646.1	1748.1	1850.1	1970.4	2159.2	2131.8	1766.4	1129.9	493.4
65°	1510.5	1668.9	1827.3	1914.1	1999.3	2136.4	2340.4	2235.4	1798.3	1078.1	356.3
67.5°	1685.7	1833.4	1981.1	2049.6	2118.1	2291.7	2472.9	2247.5	1751.1	1000.4	248.2
70°	1816.6	1955.2	2093.7	2153.1	2212.5	2399.8	2512.5	2168.4	1618.7	906.0	193.4
72.5°	1936.9	2067.9	2197.3	2227.7	2256.7	2352.6	2311.5	1911.0	1364.4	762.9	159.9
75°	2080.0	2163.8	2246.0	2191.2	2136.4	2006.9	1774.0	1393.3	998.9	568.0	137.0
77.5°	2145.5	2125.7	2104.4	1917.1	1729.8	1382.6	1102.4	805.5	507.1	312.2	117.2
80°	1745.0	1665.9	1585.2	1271.5	957.8	654.8	429.4	272.6	185.8	140.1	94.4
82.5°	1021.7	837.5	653.2	479.7	306.1	214.7	140.1	111.2	86.8	82.2	76.1
85°	330.4	292.4	254.3	201.0	147.7	91.4	53.3	48.7	45.7	50.2	53.3
87.5°	44.2	44.2	42.6	32.0	19.8	10.7	6.1	4.6	4.6	6.1	6.1
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: P560351  
 CATALOG NUMBER: SDL-PA1-40-727-U-T4W

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	473.6	472.0	470.5	469.0	467.5	464.4	452.2	440.1	435.5	429.4	424.8
5°	446.2	430.9	420.3	409.6	405.0	399.0	400.5	402.0	403.5	403.5	403.5
7.5°	386.8	389.8	391.3	391.3	395.9	399.0	402.0	403.5	397.4	391.3	383.7
10°	307.6	303.0	309.1	313.7	321.3	327.4	347.2	367.0	385.2	403.5	411.1
12.5°	280.2	295.4	283.2	271.0	295.4	318.2	345.7	373.1	389.8	405.0	391.3
15°	284.7	258.9	261.9	263.4	293.9	322.8	306.1	289.3	336.5	382.2	395.9
17.5°	280.2	275.6	292.4	307.6	278.7	249.7	290.8	330.4	351.7	373.1	367.0
20°	303.0	269.5	269.5	269.5	295.4	321.3	301.5	281.7	304.5	327.4	365.5
22.5°	313.7	325.9	301.5	275.6	292.4	309.1	309.1	307.6	333.5	357.8	351.7
25°	316.7	271.0	292.4	312.2	301.5	289.3	303.0	315.2	322.8	330.4	363.9
27.5°	362.4	330.4	306.1	280.2	300.0	319.8	315.2	310.6	316.7	322.8	330.4
30°	429.4	354.8	327.4	298.5	287.8	275.6	289.3	301.5	324.3	347.2	377.6
32.5°	449.2	383.7	339.6	293.9	292.4	289.3	293.9	296.9	322.8	347.2	389.8
35°	446.2	371.5	328.9	284.7	275.6	266.5	274.1	280.2	318.2	356.3	397.4
37.5°	443.1	353.3	309.1	265.0	258.9	251.2	258.9	266.5	295.4	324.3	362.4
40°	438.5	332.0	289.3	245.2	237.5	229.9	237.5	243.6	266.5	289.3	319.8
42.5°	427.9	310.6	268.0	223.8	217.7	210.1	216.2	222.3	242.1	261.9	280.2
45°	415.7	286.3	245.2	204.0	198.0	191.9	196.4	199.5	217.7	234.5	243.6
47.5°	402.0	260.4	222.3	184.2	178.2	172.1	176.6	179.7	193.4	207.1	210.1
50°	399.0	239.1	204.0	167.5	162.9	156.8	159.9	162.9	173.6	182.7	182.7
52.5°	392.9	213.2	184.2	153.8	150.7	146.2	147.7	149.2	156.8	164.5	162.9
55°	388.3	194.9	169.0	143.1	140.1	135.5	137.0	138.6	146.2	152.3	150.7
57.5°	392.9	179.7	156.8	132.5	129.4	126.4	129.4	132.5	140.1	147.7	147.7
60°	377.6	164.5	143.1	121.8	120.3	117.2	124.9	131.0	143.1	153.8	156.8
62.5°	322.8	150.7	132.5	114.2	115.7	115.7	129.4	141.6	158.4	173.6	176.6
65°	248.2	140.1	124.9	108.1	115.7	123.3	141.6	159.9	175.1	190.3	185.8
67.5°	190.3	132.5	120.3	106.6	123.3	138.6	155.3	172.1	179.7	185.8	178.2
70°	159.9	124.9	115.7	105.1	121.8	138.6	155.3	172.1	175.1	178.2	170.5
72.5°	140.1	118.8	109.6	100.5	114.2	127.9	147.7	166.0	169.0	170.5	162.9
75°	124.9	111.2	100.5	89.8	103.5	115.7	135.5	155.3	158.4	159.9	153.8
77.5°	109.6	102.0	89.8	77.7	91.4	105.1	123.3	141.6	146.2	150.7	143.1
80°	91.4	86.8	77.7	68.5	83.7	97.5	114.2	131.0	135.5	140.1	132.5
82.5°	73.1	70.0	64.0	57.9	73.1	88.3	105.1	120.3	124.9	127.9	118.8
85°	53.3	53.3	50.2	47.2	62.4	76.1	86.8	97.5	95.9	94.4	88.3
87.5°	7.6	7.6	10.7	13.7	18.3	21.3	27.4	32.0	33.5	33.5	25.9
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: P560351  
 CATALOG NUMBER: SDL-PA1-40-727-U-T4W

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	479.7	479.7	479.7	479.7
2.5°	420.3	420.3	418.7	421.8
5°	403.5	405.0	405.0	406.6
7.5°	376.1	368.5	359.4	360.9
10°	418.7	420.3	421.8	421.8
12.5°	376.1	370.0	362.4	363.9
15°	408.1	412.7	417.2	418.7
17.5°	359.4	357.8	356.3	354.8
20°	402.0	409.6	417.2	417.2
22.5°	345.7	345.7	345.7	347.2
25°	397.4	406.6	414.2	414.2
27.5°	336.5	357.8	379.2	395.9
30°	406.6	411.1	415.7	417.2
32.5°	430.9	453.8	475.1	479.7
35°	437.0	447.7	456.8	461.4
37.5°	400.5	409.6	418.7	424.8
40°	348.7	356.3	363.9	368.5
42.5°	296.9	298.5	300.0	307.6
45°	252.8	245.2	237.5	236.0
47.5°	211.7	201.0	190.3	188.8
50°	181.2	172.1	162.9	162.9
52.5°	159.9	153.8	147.7	147.7
55°	149.2	146.2	141.6	141.6
57.5°	147.7	146.2	144.7	144.7
60°	158.4	159.9	159.9	159.9
62.5°	178.2	179.7	179.7	179.7
65°	179.7	176.6	173.6	173.6
67.5°	170.5	166.0	161.4	158.4
70°	161.4	158.4	153.8	149.2
72.5°	153.8	150.7	146.2	141.6
75°	146.2	141.6	135.5	132.5
77.5°	135.5	132.5	127.9	124.9
80°	123.3	120.3	115.7	109.6
82.5°	109.6	111.2	111.2	95.9
85°	80.7	76.1	70.0	57.9
87.5°	16.7	15.2	12.2	10.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)