

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: P560346

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-HSS
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3074.5 lumens
Efficiency: N/A
Efficacy: 78.0 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: B0 - U0 - G1

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

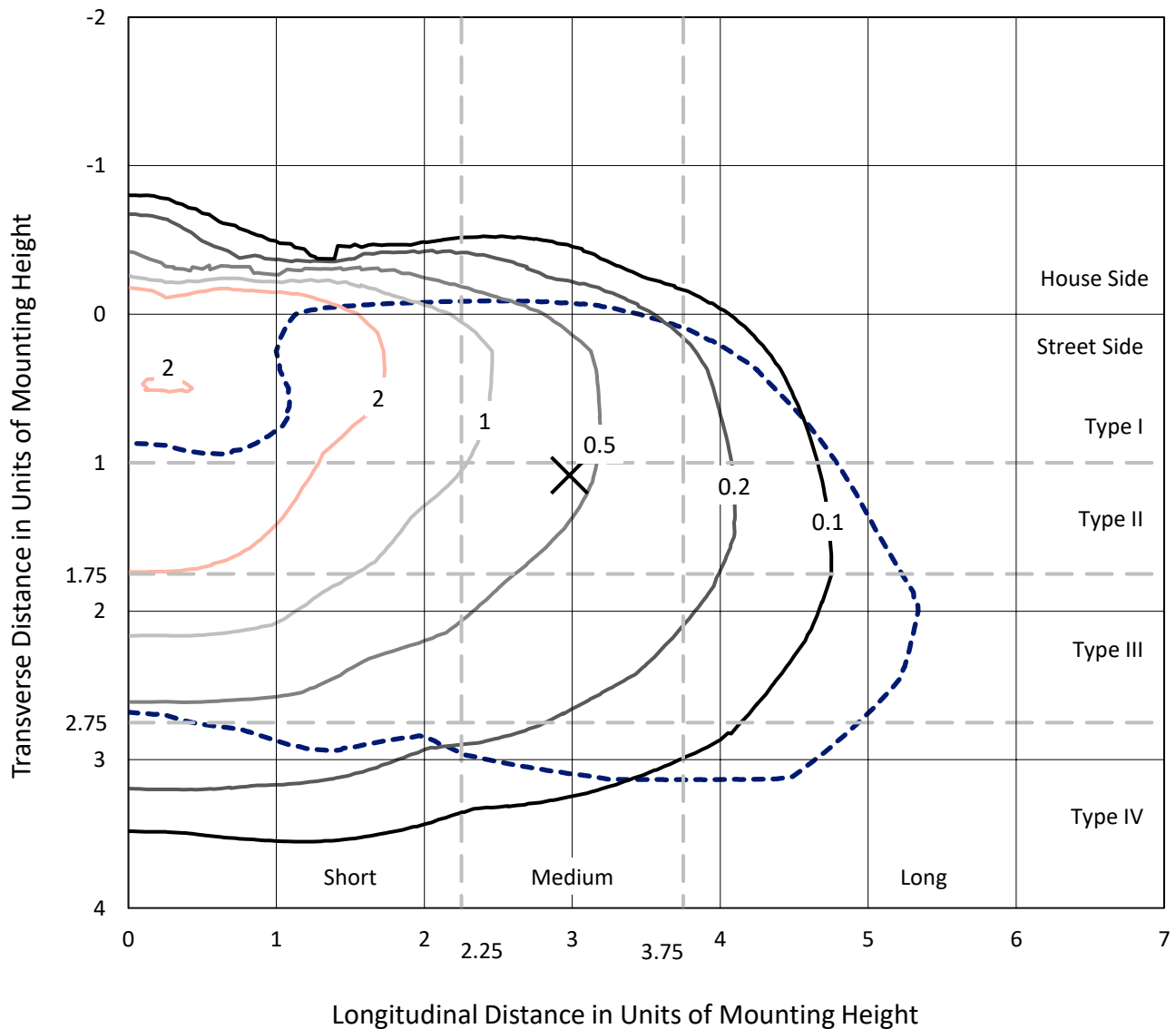


REPORT NUMBER: P560346

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

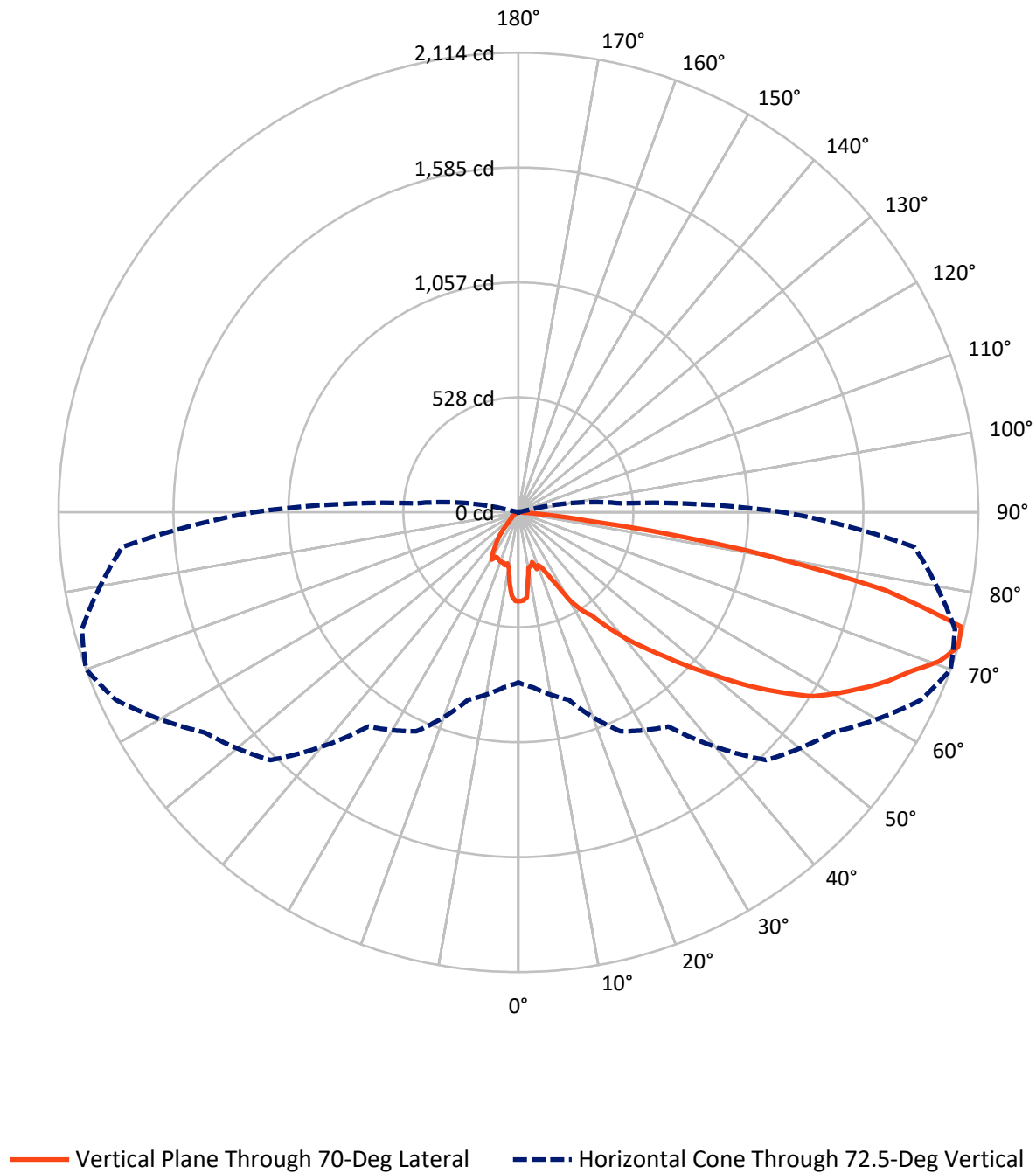


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560346

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

Luminous Intensity Polar Plot



REPORT NUMBER: P560346

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

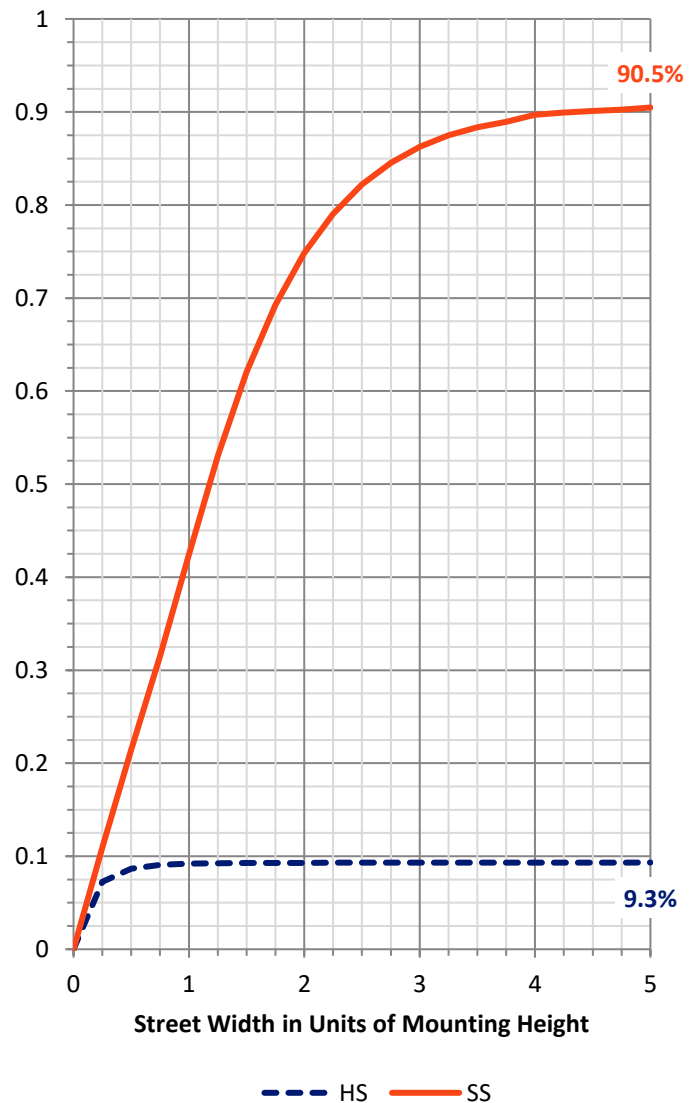
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.8	0.0	289.8
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	2784.6	0.0	2784.6
	% Fixture	90.6	0.0	90.6
Total	Lumens	3074.5	0.0	3074.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	1.0
10°-20°	62.9	2.0
20°-30°	102.6	3.3
30°-40°	218.9	7.1
40°-50°	421.7	13.7
50°-60°	697.5	22.7
60°-70°	853.8	27.8
70°-80°	625.5	20.3
80°-90°	60.1	2.0
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°	3074.5	100.0
0°-180°	3074.5	100.0

Coefficient of Utilization



REPORT NUMBER: P560346

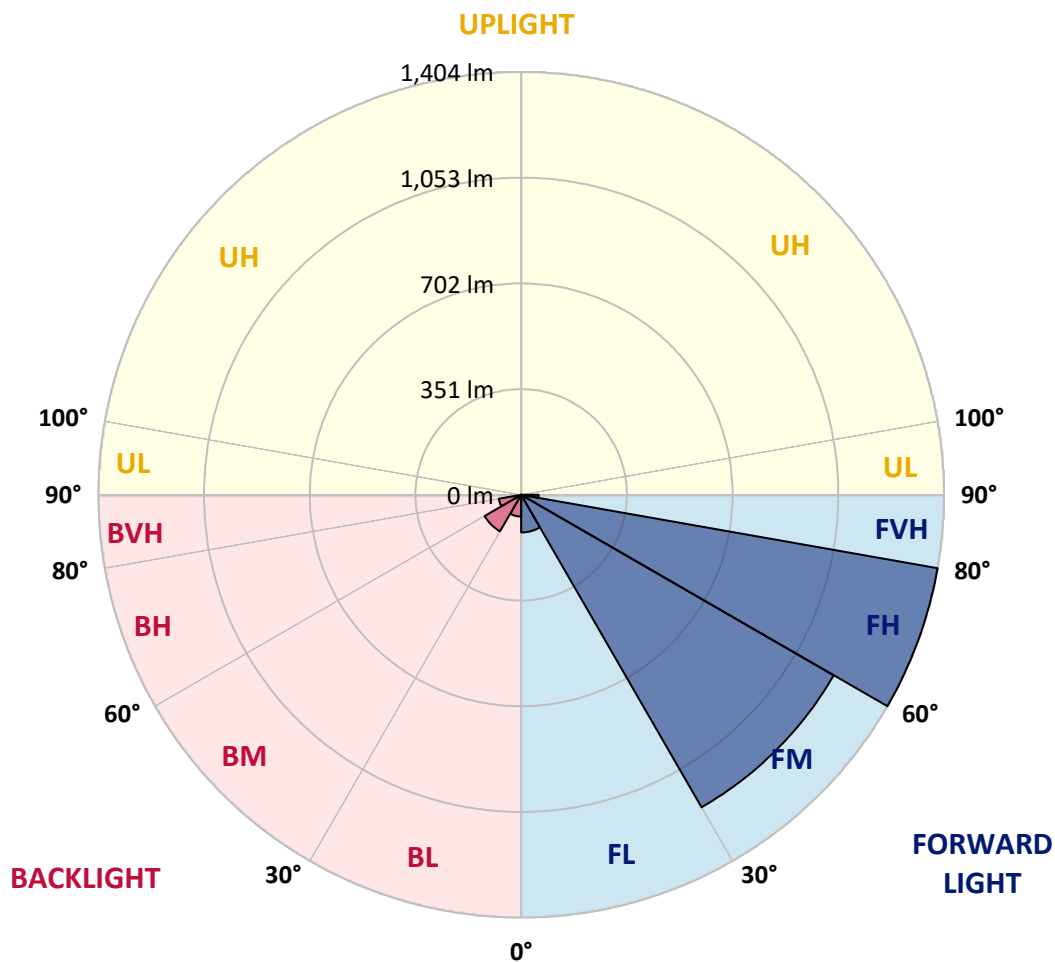
CATALOG NUMBER: SDL-PA1-40-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.8	4.1			
FM	(30°-60°)	1198.0	39.0			
FH	(60°-80°)	1403.8	45.7			G1/1800
FVH	(80°-90°)	58.0	1.9			G1/100
BL	(0°-30°)	72.2	2.3	B0/110		
BM	(30°-60°)	140.1	4.6	B0/220		
BH	(60°-80°)	75.5	2.5	B0/110		G0/110
BVH	(80°-90°)	2.1	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 IV Medium



REPORT NUMBER: P560346

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1
2.5°	363.9	374.4	380.5	386.5	385.0	383.5	386.5	389.5	395.6	400.1	403.1
5°	327.6	327.6	327.6	327.6	329.1	329.1	329.1	329.1	330.6	332.1	333.7
7.5°	283.8	289.9	292.9	295.9	303.5	309.5	315.5	321.6	324.6	326.1	327.6
10°	308.0	308.0	308.0	308.0	309.5	309.5	289.9	268.7	270.2	271.8	262.7
12.5°	255.1	253.6	270.2	285.3	295.9	305.0	294.4	282.3	264.2	244.6	241.6
15°	300.4	300.4	300.4	300.4	279.3	258.2	243.1	228.0	240.1	250.6	226.5
17.5°	237.0	243.1	261.2	279.3	279.3	279.3	265.7	252.1	226.5	199.3	228.0
20°	294.4	294.4	294.4	292.9	258.2	223.4	235.5	246.1	256.7	267.2	262.7
22.5°	244.6	241.6	246.1	250.6	261.2	270.2	240.1	208.3	243.1	276.3	259.7
25°	309.5	309.5	311.0	311.0	277.8	244.6	264.2	282.3	256.7	231.0	271.8
27.5°	279.3	270.2	268.7	265.7	276.3	285.3	271.8	258.2	286.9	315.5	302.0
30°	388.0	388.0	377.4	366.9	326.1	283.8	288.4	291.4	291.4	291.4	321.6
32.5°	539.0	540.5	499.7	457.5	421.2	383.5	350.3	315.5	333.7	351.8	371.4
35°	726.2	730.7	702.0	671.8	582.8	493.7	437.8	382.0	380.5	377.4	406.1
37.5°	860.6	869.6	847.0	824.3	718.6	613.0	532.9	452.9	445.4	436.3	446.9
40°	987.4	981.3	967.8	952.7	840.9	727.7	640.1	551.1	531.4	510.3	511.8
42.5°	1151.9	1133.8	1099.1	1064.4	957.2	850.0	756.4	662.8	631.1	599.4	593.3
45°	1364.8	1334.6	1284.8	1233.5	1127.8	1022.1	907.4	791.1	751.9	711.1	702.0
47.5°	1473.5	1452.4	1420.7	1387.5	1278.8	1170.1	1059.9	948.1	893.8	837.9	822.8
50°	1601.9	1574.7	1553.5	1530.9	1437.3	1342.2	1239.5	1135.3	1062.9	990.4	964.7
52.5°	1724.1	1678.9	1659.2	1638.1	1564.1	1488.6	1381.4	1274.2	1227.4	1179.1	1117.2
55°	1767.9	1724.1	1715.1	1706.0	1653.2	1600.3	1502.2	1404.1	1349.7	1293.9	1244.0
57.5°	1672.8	1678.9	1706.0	1733.2	1703.0	1672.8	1592.8	1511.3	1450.9	1390.5	1361.8
60°	1607.9	1621.5	1662.2	1703.0	1703.0	1703.0	1659.2	1615.4	1558.1	1500.7	1481.1
62.5°	1503.7	1520.3	1582.2	1644.1	1683.4	1722.6	1675.8	1629.0	1609.4	1588.3	1570.2
65°	1366.3	1370.9	1440.3	1509.8	1591.3	1671.3	1627.5	1582.2	1620.0	1657.7	1639.6
67.5°	1207.8	1215.4	1280.3	1343.7	1440.3	1536.9	1524.9	1511.3	1594.3	1677.3	1675.8
70°	1019.1	1032.7	1088.5	1142.9	1251.6	1358.8	1370.9	1382.9	1526.4	1668.3	1695.5
72.5°	782.1	809.2	851.5	892.3	1002.5	1111.2	1156.5	1201.8	1407.1	1610.9	1687.9
75°	259.7	277.8	395.6	511.8	623.5	735.3	834.9	933.0	1189.7	1444.8	1604.9
77.5°	75.5	78.5	101.2	122.3	209.9	295.9	398.6	499.7	750.4	999.5	1265.2
80°	39.3	40.8	45.3	49.8	72.5	95.1	137.4	178.2	292.9	407.6	686.9
82.5°	27.2	27.2	31.7	34.7	43.8	52.8	75.5	98.1	107.2	116.3	276.3
85°	9.1	9.1	12.1	15.1	21.1	27.2	40.8	52.8	52.8	51.3	74.0
87.5°	1.5	1.5	3.0	4.5	7.5	9.1	7.5	6.0	4.5	3.0	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: P560346

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1
2.5°	404.6	406.1	406.1	406.1	407.6	407.6	407.6	407.6	406.1	407.6	407.6
5°	333.7	360.8	386.5	394.0	398.6	400.1	400.1	400.1	398.6	398.6	398.6
7.5°	329.1	327.6	326.1	314.0	342.7	348.8	353.3	351.8	351.8	344.2	335.2
10°	253.6	253.6	253.6	256.7	273.3	292.9	312.5	312.5	312.5	289.9	267.2
12.5°	237.0	246.1	253.6	253.6	226.5	249.1	271.8	271.8	271.8	249.1	225.0
15°	202.3	212.9	221.9	237.0	282.3	309.5	336.7	336.7	335.2	309.5	282.3
17.5°	255.1	252.1	247.6	274.8	258.2	262.7	267.2	253.6	273.3	265.7	258.2
20°	258.2	231.0	202.3	259.7	318.6	344.2	369.9	371.4	366.9	338.2	308.0
22.5°	243.1	277.8	311.0	274.8	283.8	277.8	270.2	267.2	267.2	265.7	264.2
25°	311.0	277.8	244.6	321.6	375.9	394.0	412.2	407.6	401.6	360.8	320.1
27.5°	286.9	320.1	351.8	382.0	409.1	425.8	442.4	489.2	425.8	379.0	330.6
30°	350.3	391.0	430.3	474.1	557.1	581.3	605.4	593.3	578.2	487.7	397.1
32.5°	389.5	454.4	517.8	537.5	587.3	609.9	631.1	620.5	602.4	483.1	363.9
35°	433.3	493.7	552.6	584.3	644.7	662.8	679.4	662.8	643.2	478.6	314.0
37.5°	457.5	539.0	619.0	673.4	724.7	729.2	732.2	717.1	691.5	478.6	265.7
40°	513.3	600.9	686.9	765.4	806.2	807.7	809.2	785.1	738.3	474.1	208.3
42.5°	587.3	676.4	763.9	850.0	904.3	899.8	893.8	860.6	783.6	466.5	149.5
45°	693.0	771.5	850.0	946.6	1013.0	1001.0	987.4	937.6	815.3	459.0	101.2
47.5°	806.2	868.1	928.5	1061.4	1145.9	1120.2	1093.1	1020.6	837.9	455.9	72.5
50°	937.6	987.4	1037.2	1182.1	1283.3	1235.0	1186.7	1103.6	847.0	452.9	57.4
52.5°	1053.8	1105.1	1155.0	1324.1	1401.1	1346.7	1292.4	1168.6	842.4	446.9	49.8
55°	1192.7	1238.0	1283.3	1459.9	1521.8	1449.4	1375.4	1215.4	819.8	433.3	45.3
57.5°	1331.6	1378.4	1423.7	1595.8	1613.9	1543.0	1470.5	1260.7	797.2	419.7	40.8
60°	1461.4	1514.3	1567.1	1687.9	1701.5	1638.1	1574.7	1304.4	760.9	398.6	36.2
62.5°	1552.0	1624.5	1697.0	1778.5	1784.5	1727.2	1668.3	1337.6	714.1	374.4	33.2
65°	1620.0	1719.6	1817.8	1867.6	1864.6	1823.8	1783.0	1366.3	676.4	351.8	27.2
67.5°	1672.8	1793.6	1914.4	1947.6	1955.1	1917.4	1879.7	1370.9	629.6	326.1	21.1
70°	1722.6	1855.5	1988.4	2051.8	2036.7	1977.8	1918.9	1336.1	566.2	291.4	15.1
72.5°	1763.4	1902.3	2041.2	2113.7	2077.4	1952.1	1826.8	1218.4	474.1	243.1	10.6
75°	1763.4	1902.3	2039.7	2101.6	1977.8	1728.7	1478.1	907.4	277.8	143.4	9.1
77.5°	1530.9	1632.1	1733.2	1724.1	1506.7	1197.2	886.2	522.4	93.6	51.3	7.5
80°	966.2	1032.7	1099.1	1065.9	770.0	552.6	333.7	175.1	33.2	19.6	6.0
82.5°	436.3	428.8	421.2	324.6	151.0	101.2	49.8	30.2	9.1	6.0	3.0
85°	96.6	93.6	90.6	66.4	45.3	30.2	15.1	9.1	4.5	4.5	3.0
87.5°	9.1	10.6	10.6	7.5	7.5	6.0	3.0	3.0	3.0	3.0	3.0
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: P560346

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1	409.1
2.5°	407.6	407.6	407.6	406.1	406.1	406.1	395.6	383.5	375.9	366.9	362.3
5°	385.0	371.4	354.8	338.2	335.2	330.6	332.1	332.1	333.7	333.7	333.7
7.5°	327.6	320.1	323.1	326.1	326.1	326.1	326.1	324.6	323.1	321.6	306.5
10°	261.2	255.1	255.1	255.1	259.7	262.7	255.1	246.1	259.7	271.8	268.7
12.5°	240.1	255.1	235.5	214.4	217.4	218.9	218.9	217.4	211.4	205.3	184.2
15°	250.6	218.9	200.8	181.2	181.2	181.2	146.4	111.7	104.2	96.6	98.1
17.5°	240.1	221.9	200.8	178.2	134.4	89.1	84.5	78.5	78.5	78.5	80.0
20°	241.6	175.1	148.0	120.8	96.6	71.0	66.4	60.4	57.4	52.8	61.9
22.5°	237.0	208.3	141.9	75.5	66.4	57.4	52.8	46.8	54.4	61.9	61.9
25°	229.5	137.4	102.7	66.4	55.9	45.3	51.3	55.9	52.8	48.3	55.9
27.5°	231.0	129.8	89.1	48.3	51.3	52.8	49.8	45.3	49.8	52.8	49.8
30°	249.1	101.2	75.5	48.3	46.8	43.8	45.3	46.8	45.3	42.3	45.3
32.5°	221.9	80.0	63.4	45.3	43.8	42.3	40.8	39.3	40.8	40.8	40.8
35°	187.2	60.4	51.3	42.3	39.3	36.2	36.2	34.7	34.7	34.7	34.7
37.5°	158.5	51.3	45.3	37.7	34.7	31.7	30.2	27.2	27.2	25.7	25.7
40°	128.3	46.8	40.8	33.2	30.2	25.7	24.2	21.1	21.1	19.6	19.6
42.5°	96.6	42.3	36.2	28.7	25.7	21.1	18.1	15.1	15.1	13.6	13.6
45°	69.4	37.7	31.7	24.2	21.1	16.6	13.6	10.6	10.6	9.1	9.1
47.5°	54.4	34.7	28.7	21.1	16.6	12.1	10.6	7.5	7.5	7.5	7.5
50°	43.8	30.2	24.2	16.6	12.1	7.5	6.0	4.5	4.5	4.5	4.5
52.5°	39.3	27.2	21.1	13.6	10.6	6.0	4.5	3.0	4.5	4.5	4.5
55°	34.7	24.2	18.1	10.6	7.5	4.5	4.5	3.0	4.5	4.5	4.5
57.5°	31.7	21.1	15.1	7.5	6.0	3.0	3.0	1.5	3.0	3.0	3.0
60°	27.2	18.1	12.1	6.0	4.5	1.5	1.5	1.5	3.0	3.0	3.0
62.5°	24.2	15.1	10.6	4.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0
65°	19.6	10.6	7.5	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0
67.5°	15.1	7.5	6.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	1.5
70°	10.6	6.0	4.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	1.5
72.5°	7.5	4.5	3.0	1.5	1.5	0.0	1.5	1.5	3.0	3.0	3.0
75°	7.5	4.5	3.0	1.5	1.5	0.0	1.5	3.0	3.0	3.0	3.0
77.5°	6.0	3.0	3.0	1.5	1.5	0.0	1.5	3.0	3.0	3.0	3.0
80°	4.5	3.0	3.0	1.5	1.5	0.0	3.0	4.5	4.5	4.5	3.0
82.5°	3.0	3.0	3.0	1.5	1.5	0.0	3.0	4.5	4.5	4.5	3.0
85°	3.0	3.0	3.0	3.0	1.5	0.0	3.0	4.5	4.5	4.5	4.5
87.5°	3.0	3.0	3.0	3.0	3.0	1.5	4.5	6.0	6.0	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560346

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	409.1	409.1	409.1	409.1
2.5°	356.3	356.3	354.8	359.3
5°	333.7	333.7	333.7	335.2
7.5°	289.9	279.3	268.7	270.2
10°	264.2	261.2	256.7	259.7
12.5°	163.1	154.0	143.4	138.9
15°	99.6	99.6	99.6	98.1
17.5°	81.5	75.5	67.9	69.4
20°	71.0	72.5	74.0	74.0
22.5°	61.9	58.9	55.9	55.9
25°	61.9	61.9	61.9	61.9
27.5°	46.8	46.8	45.3	45.3
30°	48.3	48.3	46.8	45.3
32.5°	39.3	39.3	39.3	39.3
35°	33.2	31.7	30.2	30.2
37.5°	25.7	24.2	22.6	22.6
40°	18.1	18.1	16.6	16.6
42.5°	13.6	13.6	12.1	12.1
45°	9.1	9.1	9.1	9.1
47.5°	6.0	6.0	6.0	6.0
50°	4.5	4.5	4.5	4.5
52.5°	4.5	4.5	3.0	3.0
55°	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0
60°	3.0	3.0	1.5	1.5
62.5°	1.5	1.5	1.5	1.5
65°	1.5	1.5	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	1.5	1.5	0.0	0.0
75°	1.5	1.5	0.0	0.0
77.5°	1.5	1.5	0.0	0.0
80°	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	0.0
85°	3.0	3.0	1.5	0.0
87.5°	3.0	3.0	1.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)