

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: P560973

Luminaire Tested: **SDL-PA1-70-827-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-SL3
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6214.7 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 72.2
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

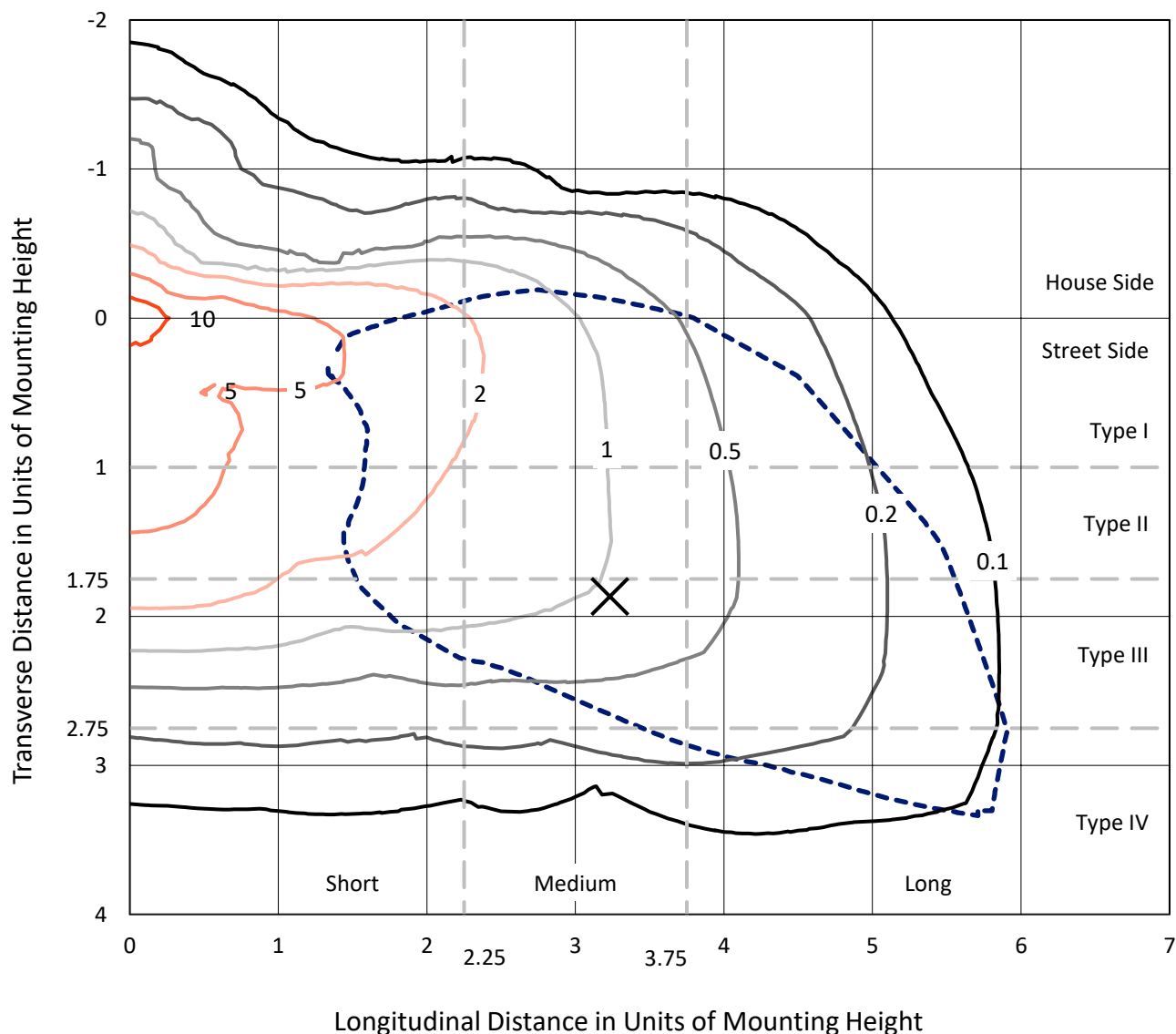


REPORT NUMBER: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

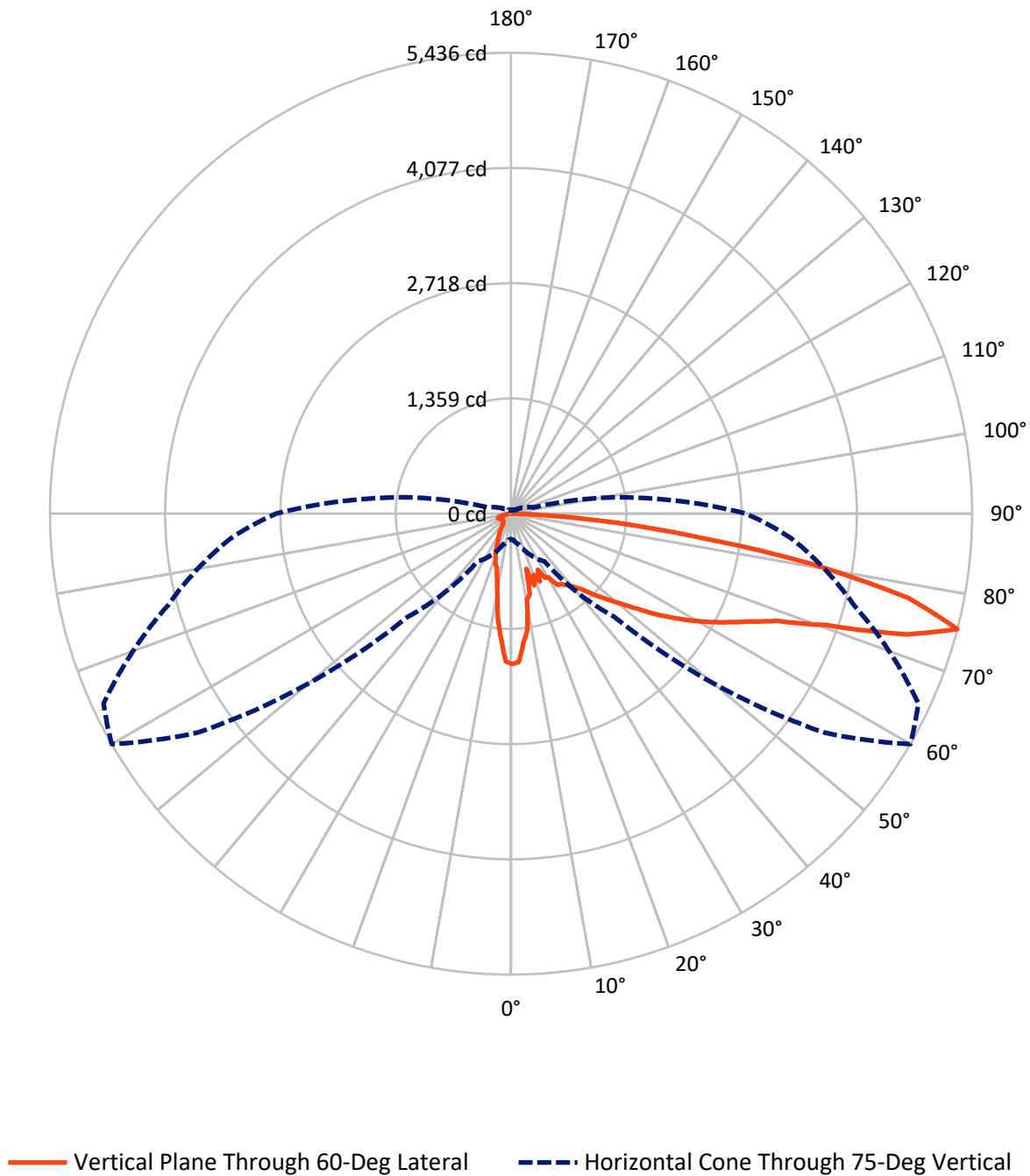


Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

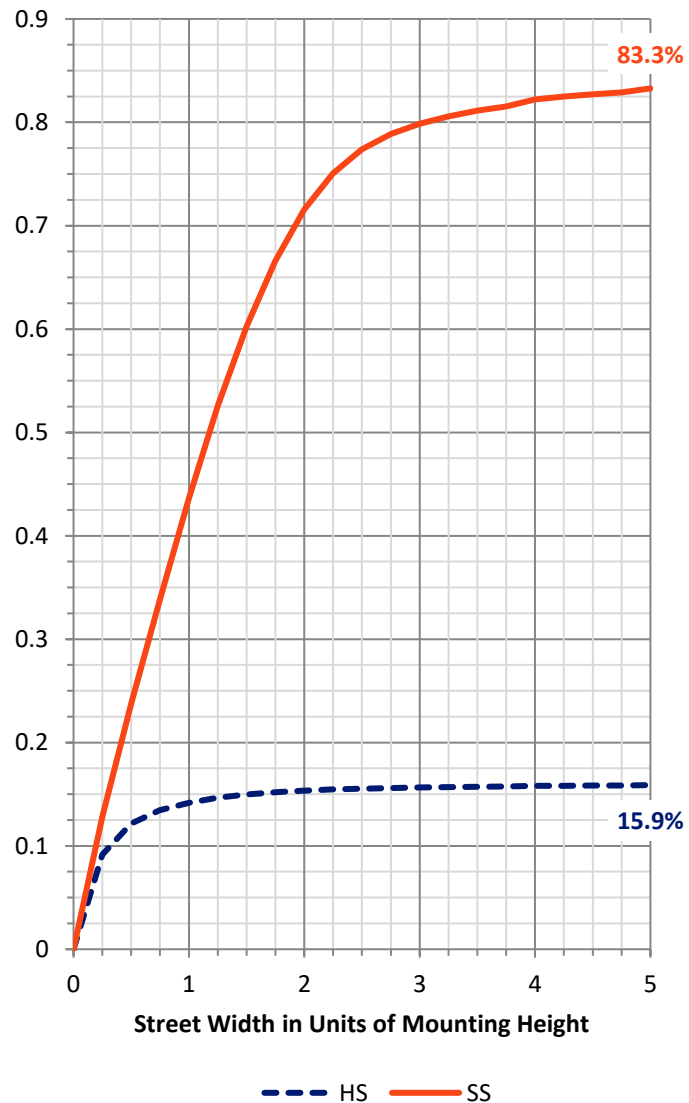
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	998.9	0.0	998.9
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5215.8	0.0	5215.8
	% Fixture	83.9	0.0	83.9
Total	Lumens	6214.7	0.0	6214.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	2.1
10°-20°	233.3	3.8
20°-30°	305.6	4.9
30°-40°	504.3	8.1
40°-50°	787.6	12.7
50°-60°	1199.1	19.3
60°-70°	1485.7	23.9
70°-80°	1312.5	21.1
80°-90°	257.3	4.1
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°	6214.7	100.0
0°-180°	6214.7	100.0

Coefficient of Utilization



REPORT NUMBER: P560973

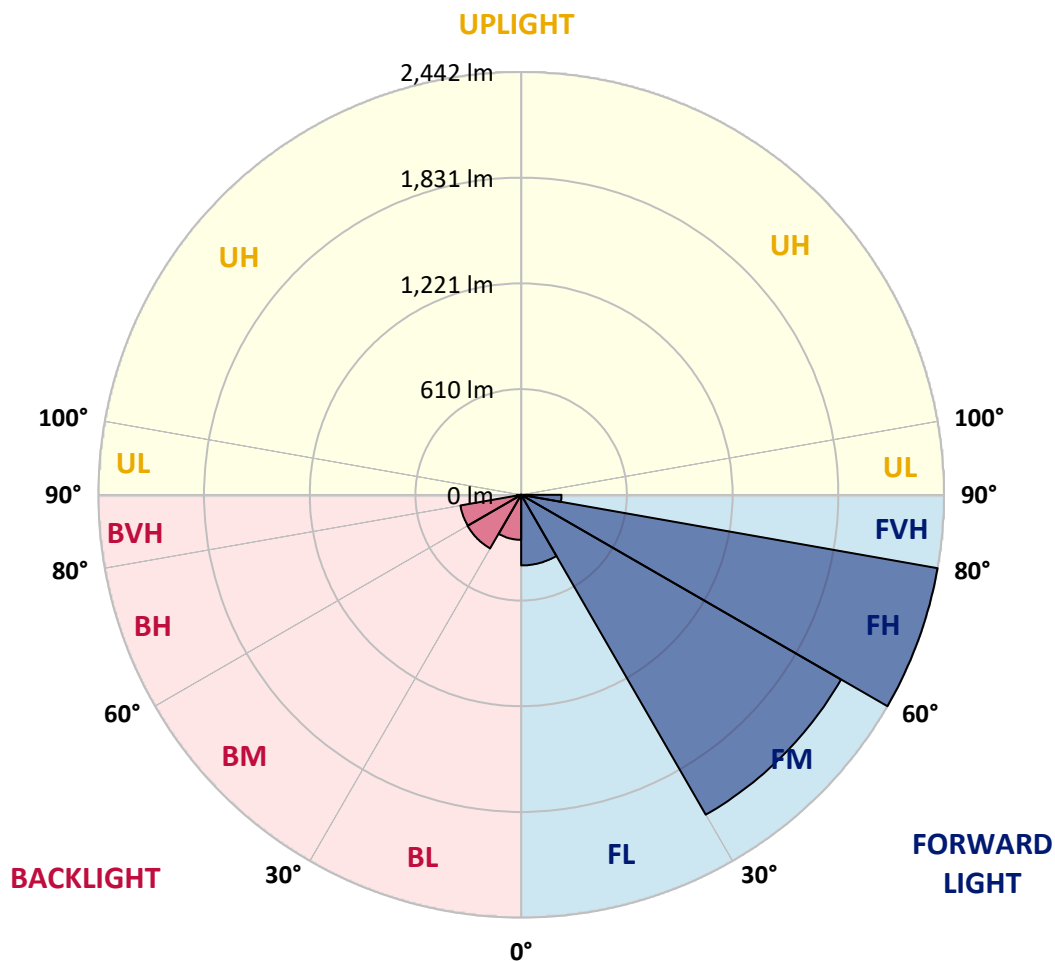
CATALOG NUMBER: SDL-PA1-70-827-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.0	6.6			
FM	(30°-60°)	2133.1	34.3			
FH	(60°-80°)	2442.0	39.3			G2/5000
FVH	(80°-90°)	232.8	3.7			G3/500
BL	(0°-30°)	260.2	4.2	B1/500		
BM	(30°-60°)	357.9	5.8	B1/1000		
BH	(60°-80°)	356.2	5.7	B1/500		G1/500
BVH	(80°-90°)	24.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



REPORT NUMBER: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7
2.5°	1472.3	1638.4	1599.7	1561.1	1620.2	1677.1	1695.3	1711.3	1720.4	1729.5	1738.6
5°	1367.6	1369.9	1372.2	1374.5	1381.3	1385.8	1394.9	1404.0	1413.1	1420.0	1429.1
7.5°	1055.9	1092.3	1151.5	1210.6	1247.0	1281.2	1301.6	1319.8	1333.5	1347.2	1360.8
10°	1174.2	1181.0	1183.3	1183.3	1194.7	1206.1	1119.6	1030.8	1074.1	1117.3	1069.5
12.5°	921.6	946.6	1021.7	1094.6	1117.3	1137.8	1096.8	1055.9	992.2	926.2	921.6
15°	1058.2	1065.0	1067.3	1067.3	996.7	926.2	878.4	828.3	867.0	903.4	819.2
17.5°	819.2	826.0	885.2	944.4	955.8	967.1	917.1	867.0	755.5	641.7	748.7
20°	974.0	978.5	978.5	978.5	860.2	741.8	750.9	757.8	794.2	830.6	801.0
22.5°	785.1	785.1	785.1	785.1	821.5	855.6	782.8	710.0	750.9	791.9	755.5
25°	987.6	994.4	978.5	960.3	851.1	741.8	776.0	810.1	748.7	687.2	741.8
27.5°	901.1	894.3	862.5	828.3	844.2	860.2	785.1	710.0	757.8	805.6	782.8
30°	1197.0	1176.5	1142.4	1108.2	978.5	848.8	828.3	807.8	766.9	723.6	771.4
32.5°	1590.6	1538.3	1379.0	1219.7	1140.1	1060.4	958.0	855.6	846.5	835.1	848.8
35°	1695.3	1661.2	1595.2	1526.9	1390.4	1251.6	1121.9	989.9	946.6	901.1	910.2
37.5°	1715.8	1704.4	1690.8	1674.8	1536.0	1397.2	1256.1	1115.0	1069.5	1021.7	987.6
40°	1731.7	1740.8	1765.9	1788.6	1649.8	1508.7	1381.3	1251.6	1203.8	1153.7	1094.6
42.5°	1804.6	1829.6	1861.4	1891.0	1763.6	1636.2	1524.7	1413.1	1351.7	1290.3	1235.7
45°	1972.9	1986.6	2020.7	2052.6	1932.0	1809.1	1681.7	1552.0	1499.6	1447.3	1392.7
47.5°	2218.7	2241.5	2239.2	2236.9	2102.7	1966.1	1822.8	1677.1	1643.0	1606.6	1554.2
50°	2528.2	2512.3	2469.0	2425.8	2280.2	2132.2	1963.8	1793.2	1777.2	1759.0	1715.8
52.5°	2682.9	2671.6	2612.4	2550.9	2403.0	2255.1	2073.1	1888.7	1909.2	1929.7	1888.7
55°	2692.0	2685.2	2642.0	2598.7	2455.4	2312.0	2150.4	1988.9	2038.9	2089.0	2073.1
57.5°	2626.0	2628.3	2614.7	2598.7	2471.3	2343.9	2209.6	2075.3	2161.8	2246.0	2261.9
60°	2457.6	2491.8	2514.5	2537.3	2457.6	2378.0	2261.9	2145.9	2277.9	2409.9	2453.1
62.5°	2145.9	2175.5	2257.4	2337.0	2353.0	2366.6	2289.3	2209.6	2387.1	2562.3	2632.9
65°	1663.5	1704.4	1827.3	1950.2	2077.6	2205.1	2223.3	2241.5	2541.8	2842.2	2901.4
67.5°	1037.7	1060.4	1190.1	1317.6	1574.7	1829.6	1975.2	2120.9	2639.7	3156.3	3249.6
70°	548.4	582.6	646.3	707.7	928.4	1149.2	1445.0	1740.8	2491.8	3242.7	3625.0
72.5°	416.4	430.1	464.2	498.4	575.7	653.1	839.7	1026.3	1950.2	2871.8	3752.5
75°	300.4	311.8	348.2	382.3	459.7	534.8	612.1	687.2	1203.8	1720.4	3110.7
77.5°	175.2	179.8	198.0	213.9	334.5	455.1	539.3	621.2	746.4	869.3	2221.0
80°	120.6	122.9	129.7	136.5	188.9	241.2	402.8	564.3	621.2	675.9	1472.3
82.5°	79.6	91.0	95.6	100.1	118.3	136.5	236.7	334.5	491.5	646.3	1005.8
85°	41.0	45.5	54.6	61.4	70.5	77.4	107.0	134.3	407.3	678.1	723.6
87.5°	4.6	6.8	9.1	9.1	11.4	13.7	20.5	27.3	122.9	218.5	186.6
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: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7
2.5°	1747.7	1752.2	1749.9	1754.5	1756.8	1759.0	1761.3	1761.3	1759.0	1754.5	1749.9
5°	1438.2	1529.2	1683.9	1699.9	1715.8	1720.4	1724.9	1727.2	1722.6	1715.8	1709.0
7.5°	1372.2	1385.8	1247.0	1358.5	1467.8	1476.9	1483.7	1479.1	1481.4	1420.0	1356.3
10°	1021.7	1033.1	1037.7	1071.8	1103.7	1178.8	1253.9	1242.5	1233.4	1124.1	1012.6
12.5°	917.1	976.2	989.9	933.0	876.1	953.5	1030.8	1021.7	1005.8	905.7	805.6
15°	735.0	673.6	805.6	928.4	1049.1	1121.9	1192.4	1171.9	1153.7	1026.3	896.6
17.5°	853.4	889.8	846.5	864.7	882.9	937.5	989.9	958.0	946.6	857.9	766.9
20°	771.4	769.2	739.6	846.5	953.5	1060.4	1165.1	1133.2	1078.6	905.7	730.5
22.5°	719.1	867.0	930.7	917.1	901.1	860.2	816.9	789.6	748.7	710.0	669.0
25°	794.2	732.7	782.8	946.6	1108.2	1137.8	1167.4	1099.1	1010.4	835.1	659.9
27.5°	760.1	855.6	919.3	1028.6	1135.5	1237.9	1340.3	1249.3	1133.2	914.8	694.1
30°	819.2	871.6	1049.1	1253.9	1458.7	1495.1	1529.2	1404.0	1249.3	1028.6	807.8
32.5°	862.5	1001.3	1158.3	1317.6	1474.6	1501.9	1529.2	1388.1	1210.6	967.1	723.6
35°	917.1	1019.5	1162.8	1349.4	1536.0	1542.9	1547.4	1383.6	1183.3	908.0	630.3
37.5°	953.5	1069.5	1224.3	1422.3	1620.2	1606.6	1590.6	1404.0	1174.2	867.0	559.8
40°	1035.4	1135.5	1301.6	1504.2	1706.7	1683.9	1661.2	1447.3	1176.5	826.0	473.3
42.5°	1178.8	1217.4	1397.2	1613.4	1829.6	1804.6	1777.2	1522.4	1203.8	803.3	400.5
45°	1335.8	1354.0	1508.7	1754.5	2000.3	1968.4	1936.5	1638.4	1253.9	791.9	330.0
47.5°	1499.6	1495.1	1638.4	1936.5	2232.4	2164.1	2095.8	1775.0	1347.2	814.7	282.2
50°	1670.3	1663.5	1802.3	2123.1	2444.0	2371.2	2298.4	1938.8	1454.1	855.6	254.9
52.5°	1845.5	1861.4	1963.8	2298.4	2630.6	2564.6	2496.3	2116.3	1558.8	901.1	243.5
55°	2054.9	2104.9	2145.9	2480.4	2814.9	2748.9	2680.7	2298.4	1704.4	971.7	238.9
57.5°	2275.6	2341.6	2359.8	2664.7	2969.7	2926.4	2880.9	2471.3	1852.3	1053.6	252.6
60°	2496.3	2582.8	2648.8	2894.6	3138.1	3088.0	3037.9	2646.5	1991.2	1144.6	298.1
62.5°	2701.1	2821.7	2928.7	3108.5	3286.0	3226.8	3167.6	2799.0	2148.2	1269.8	389.1
65°	2958.3	3065.2	3181.3	3299.6	3415.7	3358.8	3301.9	2990.1	2357.5	1426.8	493.8
67.5°	3342.9	3374.7	3433.9	3506.7	3577.2	3543.1	3506.7	3224.5	2539.6	1517.8	493.8
70°	4005.1	3934.5	3845.8	3843.5	3838.9	3784.3	3727.4	3356.5	2550.9	1481.4	411.9
72.5°	4630.8	4872.1	4589.9	4385.1	4180.3	3939.1	3695.6	3179.0	2252.8	1290.3	327.7
75°	4498.9	5436.4	5299.9	4744.6	4189.4	3752.5	3315.5	2769.4	1854.6	1067.3	279.9
77.5°	3570.4	4797.0	4926.7	4416.9	3904.9	3313.3	2719.3	2141.3	1285.7	760.1	234.4
80°	2266.5	3586.3	3609.1	3135.8	2660.2	2025.3	1390.4	933.0	619.0	402.8	186.6
82.5°	1365.4	2123.1	1847.8	1324.4	801.0	555.2	307.2	295.8	227.6	168.4	109.2
85°	769.2	1039.9	746.4	489.3	232.1	166.1	97.9	104.7	100.1	81.9	61.4
87.5°	152.5	179.8	122.9	70.5	18.2	18.2	15.9	15.9	11.4	11.4	9.1
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: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7	1772.7
2.5°	1749.9	1749.9	1745.4	1740.8	1738.6	1736.3	1668.0	1599.7	1554.2	1506.4	1495.1
5°	1624.8	1540.6	1476.9	1413.1	1399.5	1385.8	1383.6	1381.3	1374.5	1365.4	1363.1
7.5°	1283.4	1208.3	1260.7	1310.7	1301.6	1290.3	1283.4	1274.3	1258.4	1242.5	1162.8
10°	987.6	962.6	962.6	960.3	942.1	923.9	964.9	1005.8	1051.3	1096.8	1092.3
12.5°	842.0	876.1	787.4	696.3	746.4	794.2	839.7	882.9	905.7	928.4	857.9
15°	794.2	689.5	659.9	630.3	653.1	675.9	609.9	541.6	593.9	646.3	657.6
17.5°	712.3	657.6	628.1	596.2	509.7	421.0	450.6	480.2	477.9	475.6	464.2
20°	664.5	596.2	543.9	489.3	448.3	407.3	364.1	318.6	298.1	275.3	330.0
22.5°	632.6	596.2	487.0	377.7	345.9	314.0	279.9	243.5	257.1	268.5	277.6
25°	553.0	443.7	382.3	320.9	270.8	218.5	220.7	223.0	211.6	200.3	252.6
27.5°	559.8	423.3	327.7	232.1	213.9	193.4	182.0	168.4	186.6	202.5	207.1
30°	587.1	366.4	277.6	188.9	168.4	147.9	154.7	159.3	159.3	159.3	182.0
32.5°	521.1	318.6	236.7	152.5	141.1	127.4	129.7	129.7	141.1	152.5	163.8
35°	441.5	250.3	193.4	134.3	122.9	111.5	116.1	120.6	132.0	143.4	159.3
37.5°	380.0	198.0	159.3	120.6	113.8	107.0	109.2	111.5	122.9	132.0	145.6
40°	320.9	166.1	141.1	116.1	109.2	102.4	104.7	104.7	113.8	122.9	132.0
42.5°	277.6	152.5	134.3	113.8	107.0	97.9	100.1	100.1	107.0	113.8	120.6
45°	238.9	145.6	129.7	111.5	104.7	95.6	95.6	93.3	100.1	104.7	109.2
47.5°	213.9	143.4	127.4	111.5	102.4	91.0	88.7	86.5	93.3	97.9	104.7
50°	200.3	143.4	127.4	109.2	97.9	86.5	84.2	81.9	91.0	97.9	109.2
52.5°	195.7	145.6	127.4	109.2	95.6	81.9	81.9	81.9	97.9	113.8	118.3
55°	195.7	150.2	129.7	107.0	93.3	79.6	84.2	88.7	93.3	97.9	97.9
57.5°	200.3	147.9	125.2	102.4	93.3	81.9	79.6	77.4	79.6	81.9	81.9
60°	220.7	143.4	120.6	97.9	86.5	75.1	72.8	70.5	75.1	77.4	77.4
62.5°	266.2	141.1	120.6	97.9	84.2	70.5	70.5	68.3	70.5	72.8	75.1
65°	325.4	157.0	127.4	97.9	84.2	70.5	66.0	61.4	66.0	68.3	68.3
67.5°	339.1	184.3	147.9	109.2	88.7	68.3	63.7	59.2	63.7	66.0	66.0
70°	307.2	202.5	159.3	116.1	93.3	68.3	63.7	56.9	59.2	61.4	59.2
72.5°	264.0	198.0	157.0	113.8	91.0	66.0	61.4	54.6	56.9	56.9	54.6
75°	225.3	170.7	134.3	95.6	77.4	56.9	52.3	47.8	50.1	50.1	50.1
77.5°	188.9	141.1	109.2	75.1	61.4	45.5	43.2	41.0	43.2	45.5	43.2
80°	147.9	107.0	81.9	54.6	45.5	34.1	36.4	36.4	38.7	38.7	38.7
82.5°	86.5	63.7	52.3	38.7	31.9	25.0	27.3	29.6	31.9	31.9	31.9
85°	52.3	41.0	34.1	27.3	22.8	15.9	20.5	22.8	22.8	22.8	20.5
87.5°	9.1	9.1	9.1	9.1	6.8	4.6	9.1	11.4	11.4	11.4	9.1
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: P560973

CATALOG NUMBER: SDL-PA1-70-827-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1772.7	1772.7	1772.7	1772.7
2.5°	1481.4	1481.4	1479.1	1479.1
5°	1360.8	1356.3	1351.7	1356.3
7.5°	1083.2	1051.3	1019.5	1028.6
10°	1085.5	1083.2	1080.9	1078.6
12.5°	785.1	760.1	735.0	719.1
15°	666.8	659.9	650.8	650.8
17.5°	450.6	430.1	409.6	396.0
20°	384.6	396.0	405.1	409.6
22.5°	286.7	295.8	304.9	309.5
25°	302.7	325.4	345.9	348.2
27.5°	209.4	220.7	229.8	225.3
30°	204.8	211.6	218.5	218.5
32.5°	175.2	193.4	211.6	213.9
35°	175.2	184.3	193.4	195.7
37.5°	157.0	163.8	168.4	170.7
40°	141.1	145.6	147.9	147.9
42.5°	125.2	136.5	145.6	145.6
45°	111.5	141.1	170.7	179.8
47.5°	109.2	152.5	195.7	204.8
50°	118.3	159.3	198.0	202.5
52.5°	120.6	143.4	163.8	163.8
55°	95.6	107.0	116.1	113.8
57.5°	81.9	91.0	97.9	97.9
60°	77.4	88.7	97.9	100.1
62.5°	75.1	79.6	84.2	88.7
65°	68.3	68.3	68.3	68.3
67.5°	63.7	63.7	61.4	61.4
70°	56.9	56.9	56.9	56.9
72.5°	52.3	52.3	52.3	50.1
75°	47.8	47.8	45.5	45.5
77.5°	41.0	41.0	41.0	41.0
80°	36.4	36.4	34.1	34.1
82.5°	29.6	29.6	27.3	25.0
85°	18.2	18.2	15.9	13.7
87.5°	6.8	6.8	4.6	2.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)