

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: P560862

Luminaire Tested: **SDL-PA1-70-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5935.3 lumens
Efficiency: N/A
Efficacy: 82.2 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): 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

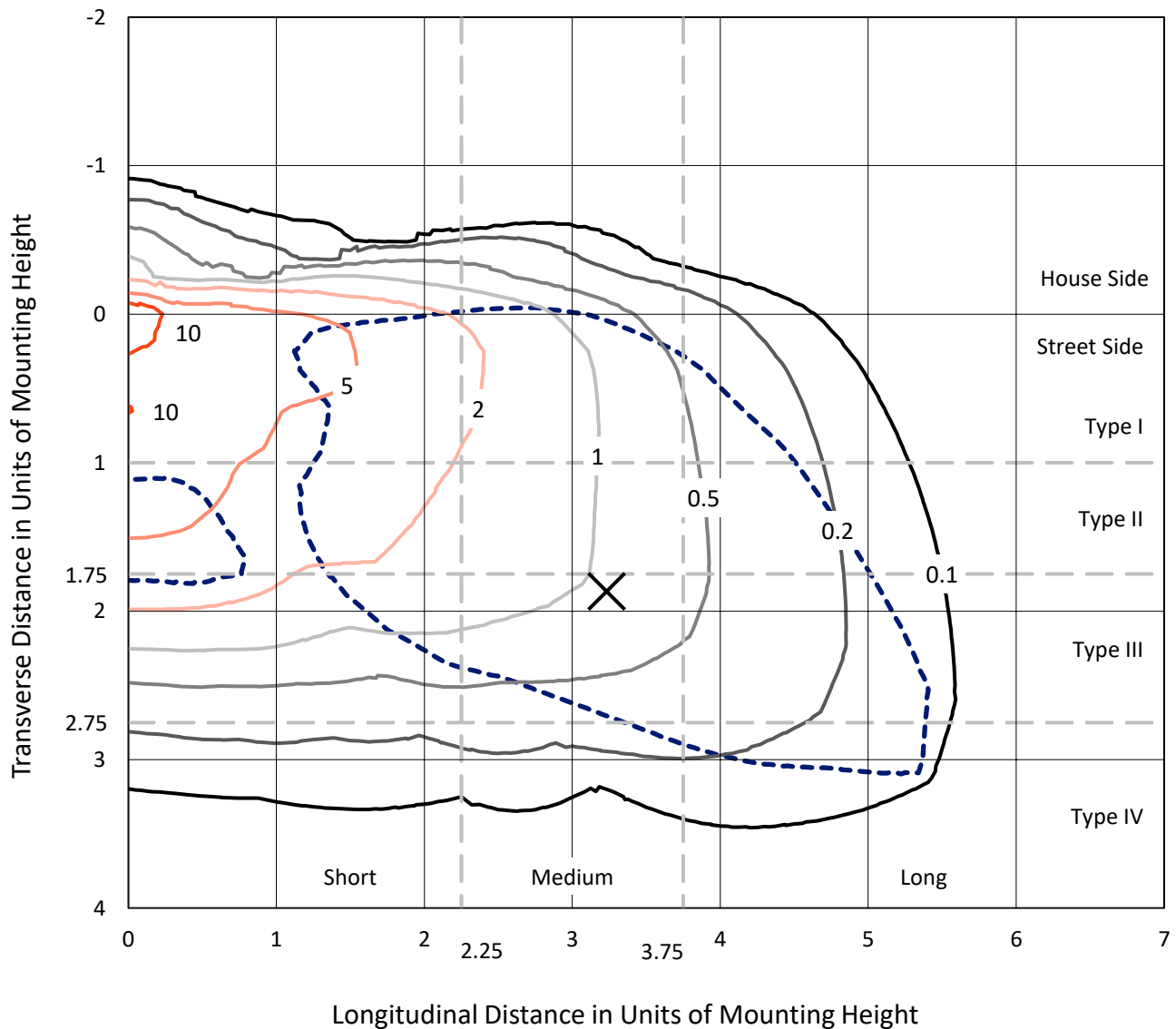


REPORT NUMBER: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

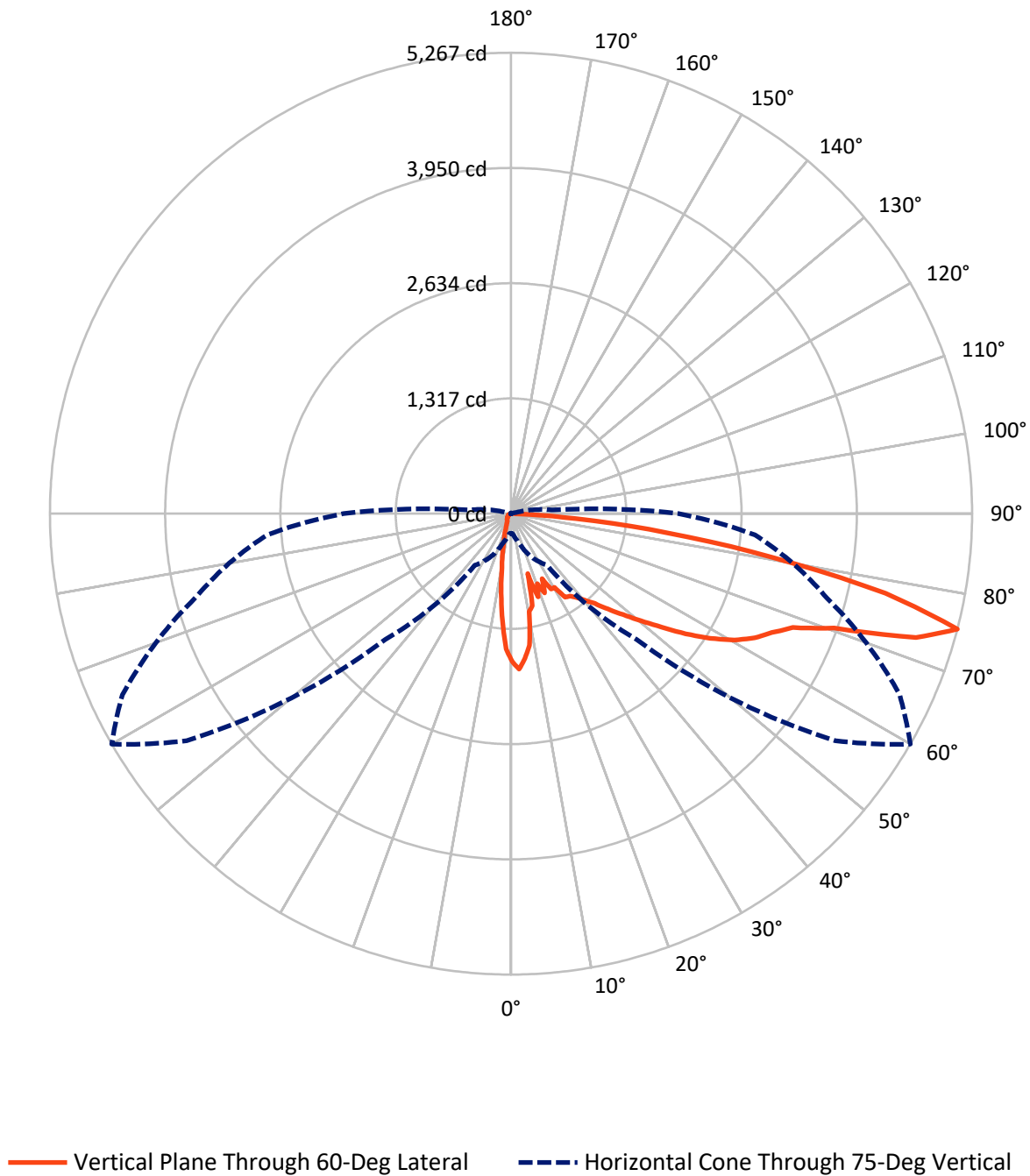


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

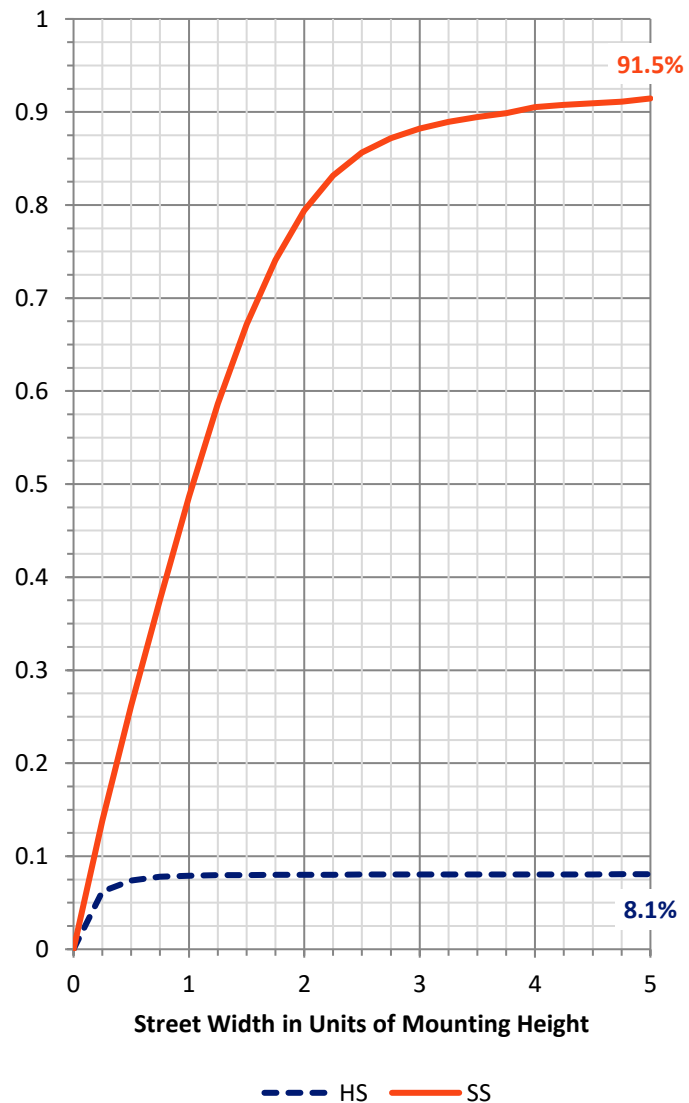
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	483.5	0.0	483.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5451.8	0.0	5451.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	5935.3	0.0	5935.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	2.0
10°-20°	194.2	3.3
20°-30°	278.2	4.7
30°-40°	495.4	8.3
40°-50°	815.3	13.7
50°-60°	1257.2	21.2
60°-70°	1465.2	24.7
70°-80°	1135.5	19.1
80°-90°	177.3	3.0
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°	5935.3	100.0
0°-180°	5935.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560862

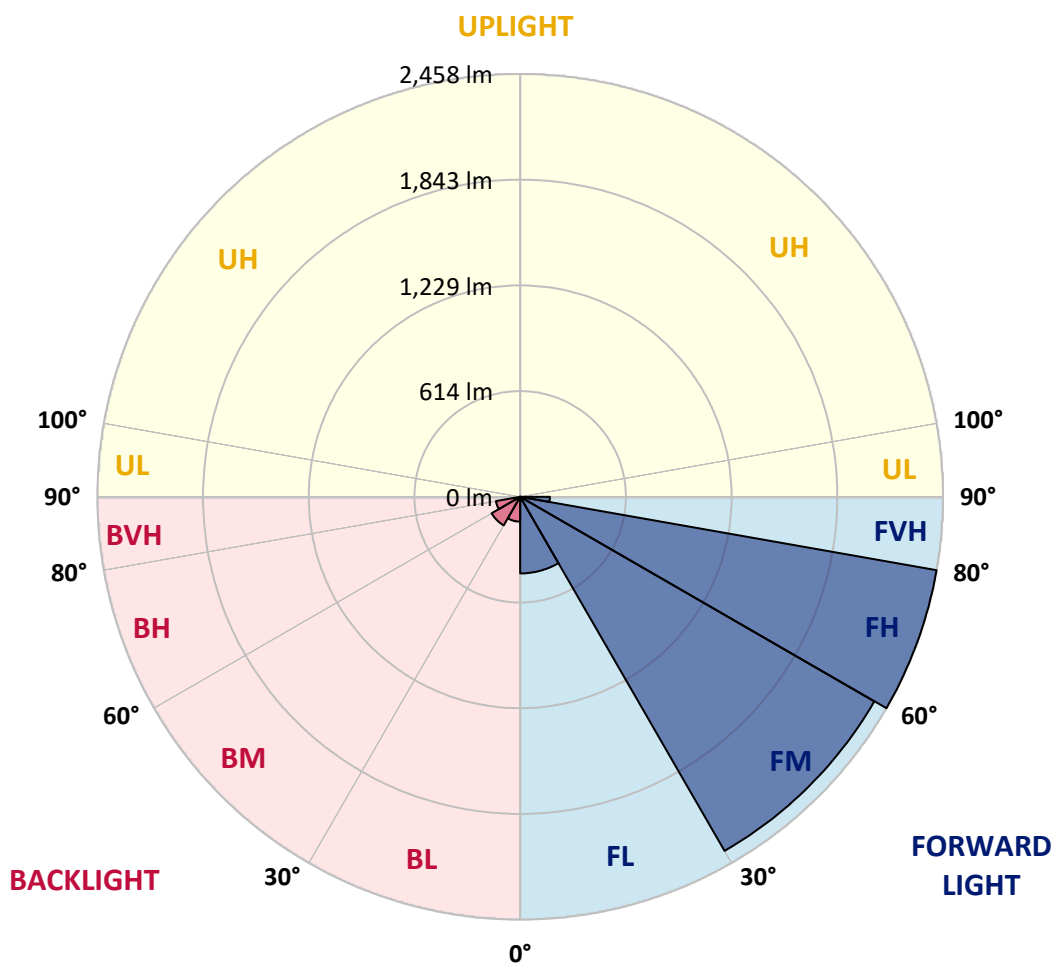
CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.3	7.5			
FM	(30°-60°)	2376.5	40.0			
FH	(60°-80°)	2457.6	41.4			G2/5000
FVH	(80°-90°)	172.4	2.9			G2/225
BL	(0°-30°)	144.1	2.4	B1/500		
BM	(30°-60°)	191.4	3.2	B0/220		
BH	(60°-80°)	143.1	2.4	B1/500		G1/500
BVH	(80°-90°)	4.9	0.1			G0/10
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: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3
2.5°	1580.4	1639.7	1675.8	1709.4	1753.2	1797.0	1799.6	1802.2	1802.2	1802.2	1799.6
5°	1526.3	1531.5	1531.5	1531.5	1539.2	1546.9	1552.1	1554.7	1557.2	1557.2	1554.7
7.5°	1193.7	1289.1	1348.4	1405.1	1420.6	1436.1	1456.7	1474.7	1490.2	1503.1	1513.4
10°	1322.6	1332.9	1332.9	1330.4	1343.2	1353.6	1253.0	1149.9	1191.1	1232.4	1180.8
12.5°	1021.0	1072.5	1137.0	1198.9	1240.1	1281.4	1235.0	1188.6	1116.4	1041.6	1036.4
15°	1193.7	1201.4	1204.0	1206.6	1137.0	1064.8	979.7	892.1	951.4	1010.7	925.6
17.5°	917.8	925.6	997.8	1070.0	1077.7	1085.4	1031.3	974.6	850.8	727.1	843.1
20°	1098.3	1103.5	1103.5	1103.5	966.8	830.2	840.5	848.2	886.9	925.6	897.2
22.5°	884.3	874.0	879.2	881.7	923.0	961.7	881.7	799.2	858.5	915.3	866.3
25°	1106.1	1108.6	1093.2	1075.1	953.9	830.2	874.0	915.3	845.7	773.5	843.1
27.5°	1000.3	990.0	953.9	917.8	935.9	953.9	871.4	786.4	853.4	917.8	886.9
30°	1317.5	1312.3	1265.9	1216.9	1072.5	925.6	910.1	892.1	853.4	812.1	866.3
32.5°	1758.3	1696.5	1523.7	1348.4	1258.2	1165.4	1051.9	938.5	951.4	961.7	969.4
35°	1856.3	1827.9	1753.2	1678.4	1539.2	1397.4	1242.7	1085.4	1049.3	1013.2	1033.9
37.5°	1882.1	1871.8	1861.5	1848.6	1683.6	1518.6	1363.9	1206.6	1178.2	1147.3	1124.1
40°	1907.9	1918.2	1949.1	1977.5	1822.8	1668.1	1523.7	1376.8	1343.2	1309.7	1250.4
42.5°	2011.0	2018.7	2065.1	2111.6	1962.0	1809.9	1683.6	1557.2	1508.3	1459.3	1405.1
45°	2230.1	2237.9	2263.7	2289.4	2150.2	2008.4	1869.2	1727.4	1688.7	1647.5	1585.6
47.5°	2534.4	2542.1	2529.2	2516.3	2356.5	2194.1	2029.0	1864.0	1851.2	1838.3	1773.8
50°	2882.4	2872.1	2802.5	2732.9	2557.6	2382.3	2188.9	1993.0	2003.3	2013.6	1967.2
52.5°	3042.3	3037.1	2957.2	2877.3	2696.8	2513.8	2312.7	2109.0	2145.1	2178.6	2152.8
55°	3032.0	3029.4	2975.3	2921.1	2750.9	2580.8	2392.6	2204.4	2286.9	2366.8	2351.3
57.5°	2918.5	2923.7	2916.0	2908.2	2758.7	2609.1	2457.0	2304.9	2428.7	2549.8	2570.5
60°	2740.6	2740.6	2779.3	2815.4	2727.7	2637.5	2511.2	2382.3	2552.4	2722.6	2774.2
62.5°	2369.4	2410.6	2493.1	2575.6	2604.0	2632.4	2529.2	2426.1	2660.7	2895.3	2970.1
65°	1825.4	1843.4	1993.0	2142.5	2281.7	2418.4	2426.1	2433.8	2792.2	3148.0	3173.8
67.5°	1059.6	1134.4	1299.4	1461.8	1735.1	2005.8	2145.1	2284.3	2848.9	3411.0	3439.3
70°	556.9	587.8	667.8	745.1	990.0	1232.4	1577.9	1920.8	2717.4	3511.5	3759.0
72.5°	381.6	409.9	453.8	497.6	590.4	680.6	928.2	1173.1	2163.1	3153.1	3921.5
75°	224.3	232.0	286.2	340.3	440.9	541.4	631.7	719.3	1376.8	2031.6	3276.9
77.5°	90.2	98.0	121.2	144.4	286.2	425.4	518.2	611.0	768.3	925.6	2250.8
80°	49.0	49.0	59.3	67.0	128.9	188.2	348.1	507.9	585.3	662.6	1459.3
82.5°	28.4	28.4	36.1	41.3	64.5	87.7	198.5	309.4	456.3	600.7	984.9
85°	10.3	10.3	12.9	15.5	30.9	43.8	72.2	98.0	283.6	466.7	567.2
87.5°	2.6	2.6	5.2	5.2	7.7	10.3	12.9	12.9	10.3	7.7	51.6
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: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3
2.5°	1794.4	1779.0	1768.7	1750.6	1732.6	1717.1	1699.0	1675.8	1657.8	1634.6	1611.4
5°	1552.1	1660.4	1771.2	1760.9	1748.0	1711.9	1675.8	1634.6	1595.9	1549.5	1503.1
7.5°	1521.1	1518.6	1412.9	1467.0	1518.6	1477.3	1436.1	1389.7	1338.1	1247.9	1157.6
10°	1129.3	1137.0	1134.4	1147.3	1160.2	1193.7	1224.6	1157.6	1093.2	951.4	807.0
12.5°	1031.3	1080.3	1093.2	1005.5	917.8	953.9	990.0	923.0	858.5	727.1	595.6
15°	837.9	711.6	892.1	1010.7	1126.7	1144.7	1160.2	1072.5	969.4	788.9	605.9
17.5°	956.5	1000.3	948.8	951.4	951.4	953.9	956.5	876.6	773.5	636.8	500.2
20°	868.9	856.0	861.1	946.2	1031.3	1088.0	1142.1	1021.0	889.5	678.1	464.1
22.5°	817.3	984.9	1057.1	1021.0	984.9	894.6	801.8	709.0	600.7	495.0	386.7
25°	910.1	822.4	879.2	1018.4	1157.6	1157.6	1157.6	997.8	819.9	593.0	366.1
27.5°	856.0	977.1	1033.9	1144.7	1253.0	1299.4	1343.2	1139.6	905.0	623.9	340.3
30°	920.4	977.1	1178.2	1400.0	1621.7	1583.0	1541.8	1281.4	984.9	654.9	324.9
32.5°	977.1	1137.0	1314.9	1482.5	1650.1	1606.2	1559.8	1271.1	938.5	590.4	242.4
35°	1054.5	1157.6	1322.6	1526.3	1730.0	1662.9	1593.3	1276.2	902.4	541.4	180.5
37.5°	1100.9	1214.3	1392.2	1606.2	1817.6	1735.1	1652.6	1299.4	871.4	505.3	139.2
40°	1188.6	1302.0	1479.9	1704.2	1928.5	1833.1	1735.1	1340.7	853.4	484.7	116.0
42.5°	1351.0	1402.5	1601.1	1838.3	2075.5	1974.9	1871.8	1428.3	848.2	474.4	100.6
45°	1521.1	1554.7	1730.0	1995.5	2258.5	2155.4	2049.7	1536.6	866.3	482.1	95.4
47.5°	1706.8	1724.8	1884.7	2214.7	2544.7	2402.9	2261.1	1686.1	905.0	497.6	90.2
50°	1920.8	1920.8	2075.5	2431.3	2787.0	2640.1	2493.1	1861.5	953.9	520.8	87.7
52.5°	2124.4	2152.8	2271.4	2634.9	2998.5	2861.8	2722.6	2054.8	1018.4	551.7	82.5
55°	2333.3	2423.5	2467.3	2838.6	3209.9	3052.6	2895.3	2196.6	1057.1	567.2	77.3
57.5°	2591.1	2686.5	2709.7	3024.2	3338.8	3186.7	3032.0	2317.8	1085.4	580.1	74.8
60°	2825.7	2934.0	2980.4	3212.4	3441.9	3284.6	3127.4	2423.5	1111.2	590.4	67.0
62.5°	3042.3	3124.8	3197.0	3346.5	3496.1	3349.1	3199.6	2516.3	1126.7	593.0	59.3
65°	3199.6	3274.3	3377.5	3462.5	3547.6	3436.8	3325.9	2676.2	1170.5	608.5	43.8
67.5°	3465.1	3472.8	3532.1	3601.8	3671.4	3612.1	3552.8	2897.9	1222.1	629.1	33.5
70°	4004.0	3916.3	3839.0	3908.6	3975.6	3893.1	3810.6	2962.4	1103.5	564.6	25.8
72.5°	4689.8	4836.7	4462.9	4318.5	4171.5	3867.3	3560.5	2549.8	783.8	402.2	20.6
75°	4522.2	5267.3	4898.6	4318.5	3738.4	3269.2	2797.4	1913.0	482.1	250.1	15.5
77.5°	3573.4	4372.6	4241.2	3643.0	3042.3	2464.8	1887.2	1175.7	170.2	92.8	15.5
80°	2255.9	3024.2	2910.8	2366.8	1820.2	1294.3	768.3	358.4	64.5	41.3	18.0
82.5°	1369.0	1802.2	1415.4	886.9	358.4	252.7	147.0	77.3	20.6	18.0	15.5
85°	665.2	745.1	487.3	281.0	72.2	67.0	59.3	38.7	10.3	10.3	7.7
87.5°	92.8	67.0	41.3	28.4	12.9	12.9	12.9	7.7	7.7	7.7	5.2
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: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3	1691.3
2.5°	1593.3	1572.7	1549.5	1526.3	1500.5	1474.7	1400.0	1322.6	1281.4	1237.5	1227.2
5°	1418.0	1332.9	1227.2	1118.9	1072.5	1026.1	1002.9	977.1	961.7	943.6	928.2
7.5°	1039.0	917.8	917.8	915.3	876.6	837.9	794.1	747.7	719.3	691.0	616.2
10°	742.5	675.5	629.1	582.7	564.6	546.6	489.9	430.6	435.7	438.3	422.8
12.5°	574.9	551.7	466.7	381.6	353.2	324.9	306.8	288.8	263.0	237.2	219.1
15°	492.4	379.0	314.5	250.1	221.7	190.8	165.0	136.6	128.9	118.6	131.5
17.5°	404.8	306.8	244.9	183.1	141.8	100.6	105.7	110.9	121.2	131.5	136.6
20°	348.1	232.0	177.9	123.8	110.9	98.0	103.1	105.7	103.1	98.0	113.4
22.5°	283.6	180.5	136.6	90.2	92.8	95.4	87.7	79.9	95.4	110.9	110.9
25°	242.4	118.6	105.7	92.8	85.1	77.3	87.7	95.4	90.2	85.1	98.0
27.5°	221.7	103.1	90.2	77.3	79.9	82.5	79.9	74.8	82.5	90.2	87.7
30°	211.4	95.4	87.7	77.3	74.8	69.6	72.2	72.2	69.6	67.0	74.8
32.5°	170.2	98.0	85.1	69.6	67.0	61.9	59.3	56.7	59.3	61.9	64.5
35°	136.6	90.2	79.9	67.0	61.9	56.7	54.1	49.0	49.0	49.0	51.6
37.5°	110.9	82.5	72.2	59.3	54.1	49.0	46.4	41.3	41.3	41.3	41.3
40°	98.0	77.3	67.0	54.1	49.0	41.3	38.7	33.5	33.5	30.9	30.9
42.5°	85.1	69.6	59.3	46.4	41.3	36.1	30.9	25.8	25.8	23.2	23.2
45°	79.9	64.5	54.1	43.8	36.1	28.4	25.8	20.6	20.6	18.0	18.0
47.5°	77.3	61.9	51.6	38.7	30.9	23.2	20.6	15.5	15.5	15.5	15.5
50°	72.2	56.7	46.4	33.5	28.4	20.6	18.0	12.9	12.9	12.9	12.9
52.5°	69.6	54.1	41.3	28.4	23.2	15.5	12.9	10.3	10.3	10.3	10.3
55°	67.0	56.7	41.3	25.8	20.6	12.9	10.3	7.7	7.7	7.7	7.7
57.5°	64.5	54.1	38.7	20.6	15.5	10.3	7.7	5.2	5.2	5.2	5.2
60°	56.7	46.4	30.9	15.5	12.9	7.7	5.2	2.6	5.2	5.2	5.2
62.5°	49.0	36.1	25.8	12.9	10.3	5.2	5.2	2.6	5.2	5.2	5.2
65°	36.1	28.4	20.6	10.3	7.7	2.6	2.6	2.6	5.2	5.2	5.2
67.5°	28.4	20.6	15.5	7.7	5.2	2.6	2.6	2.6	5.2	5.2	5.2
70°	20.6	15.5	10.3	5.2	5.2	2.6	2.6	2.6	5.2	5.2	5.2
72.5°	15.5	10.3	7.7	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2
75°	12.9	10.3	7.7	5.2	5.2	2.6	5.2	5.2	7.7	7.7	7.7
77.5°	12.9	7.7	7.7	5.2	5.2	2.6	5.2	7.7	7.7	7.7	7.7
80°	12.9	7.7	7.7	5.2	5.2	2.6	5.2	7.7	7.7	7.7	7.7
82.5°	12.9	7.7	7.7	5.2	5.2	2.6	5.2	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	5.2	2.6	7.7	10.3	10.3	7.7	7.7
87.5°	5.2	5.2	7.7	7.7	5.2	2.6	7.7	10.3	10.3	7.7	7.7
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: P560862

CATALOG NUMBER: SDL-PA1-70-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1691.3	1691.3	1691.3	1691.3
2.5°	1214.3	1201.4	1186.0	1216.9
5°	912.7	902.4	892.1	910.1
7.5°	541.4	544.0	544.0	515.6
10°	404.8	381.6	355.8	355.8
12.5°	201.1	185.6	170.2	167.6
15°	144.4	147.0	149.5	149.5
17.5°	141.8	136.6	128.9	123.8
20°	126.3	131.5	134.1	134.1
22.5°	110.9	108.3	103.1	103.1
25°	110.9	113.4	116.0	116.0
27.5°	85.1	85.1	82.5	82.5
30°	82.5	82.5	82.5	82.5
32.5°	64.5	67.0	67.0	67.0
35°	54.1	54.1	54.1	54.1
37.5°	41.3	41.3	41.3	38.7
40°	30.9	30.9	30.9	30.9
42.5°	23.2	23.2	23.2	23.2
45°	18.0	18.0	18.0	18.0
47.5°	15.5	15.5	12.9	12.9
50°	10.3	10.3	10.3	10.3
52.5°	7.7	7.7	7.7	7.7
55°	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2
60°	2.6	2.6	2.6	2.6
62.5°	2.6	2.6	2.6	2.6
65°	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6
72.5°	5.2	5.2	2.6	2.6
75°	5.2	5.2	2.6	2.6
77.5°	5.2	5.2	2.6	2.6
80°	5.2	5.2	2.6	2.6
82.5°	5.2	5.2	2.6	2.6
85°	5.2	5.2	5.2	2.6
87.5°	5.2	5.2	5.2	2.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)