

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: P561171

Luminaire Tested: **SDL-PA1-80-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561171
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-PA1-80-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 1050mA 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: 7374.5 lumens
Efficiency: N/A
Efficacy: 89.9 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

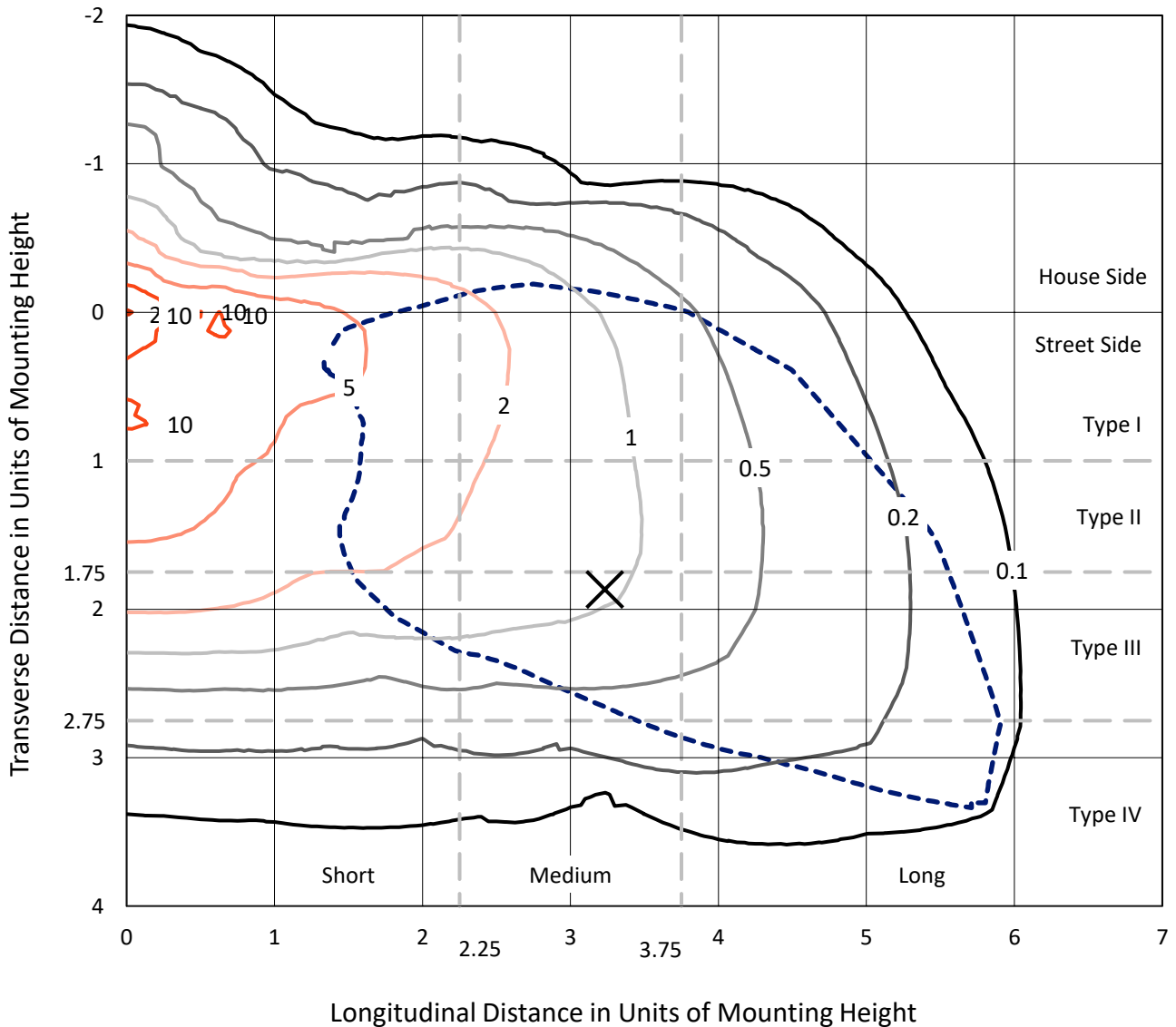
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561171
 CATALOG NUMBER: SDL-PA1-80-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

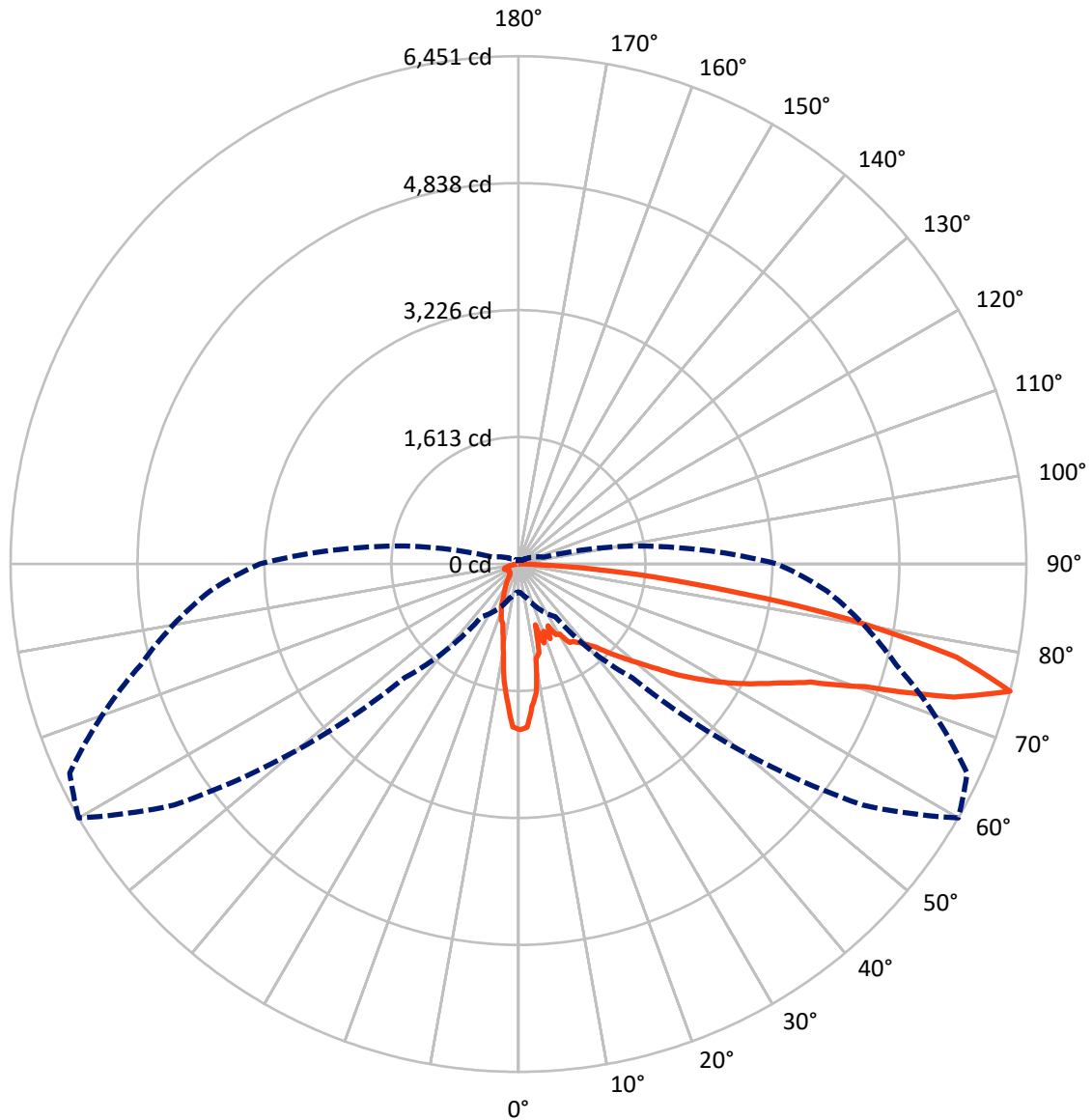
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21 fc
 Type III - Medium - N/A

REPORT NUMBER: P561171
CATALOG NUMBER: SDL-PA1-80-830-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P561171

CATALOG NUMBER: SDL-PA1-80-830-U-SL3

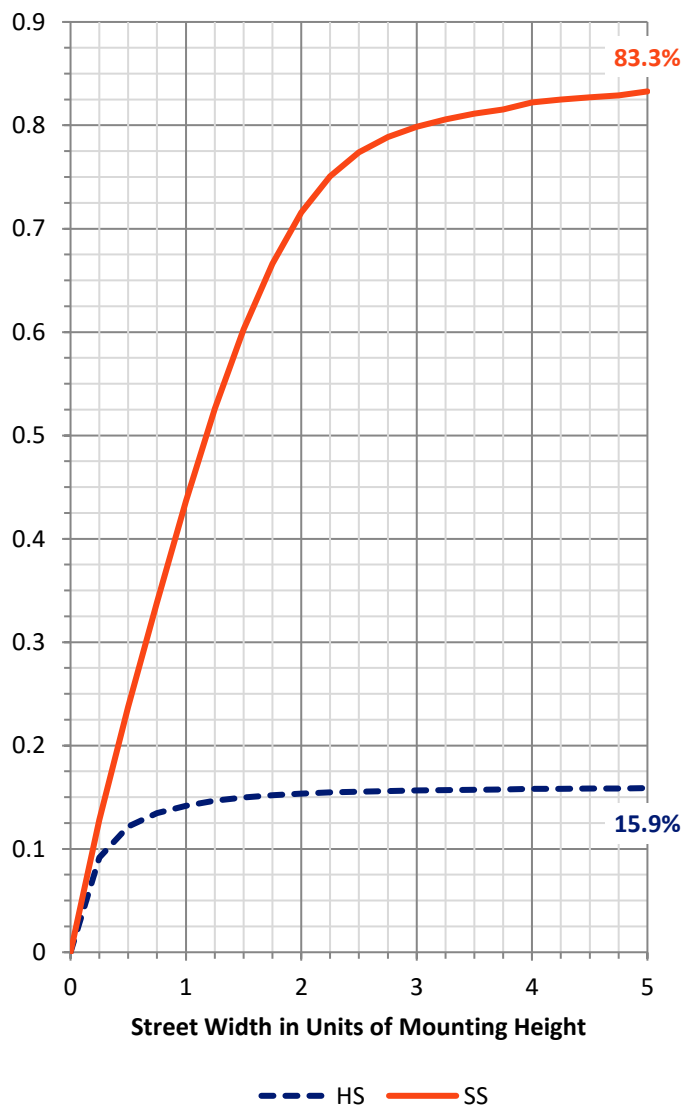
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1185.3	0.0	1185.3
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	6189.2	0.0	6189.2
	% Fixture	83.9	0.0	83.9
Total	Lumens	7374.5	0.0	7374.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	2.1
10°-20°	276.9	3.8
20°-30°	362.7	4.9
30°-40°	598.5	8.1
40°-50°	934.6	12.7
50°-60°	1422.8	19.3
60°-70°	1762.9	23.9
70°-80°	1557.4	21.1
80°-90°	305.3	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°	7374.5	100.0
0°-180°	7374.5	100.0

Coefficient of Utilization



REPORT NUMBER: P561171

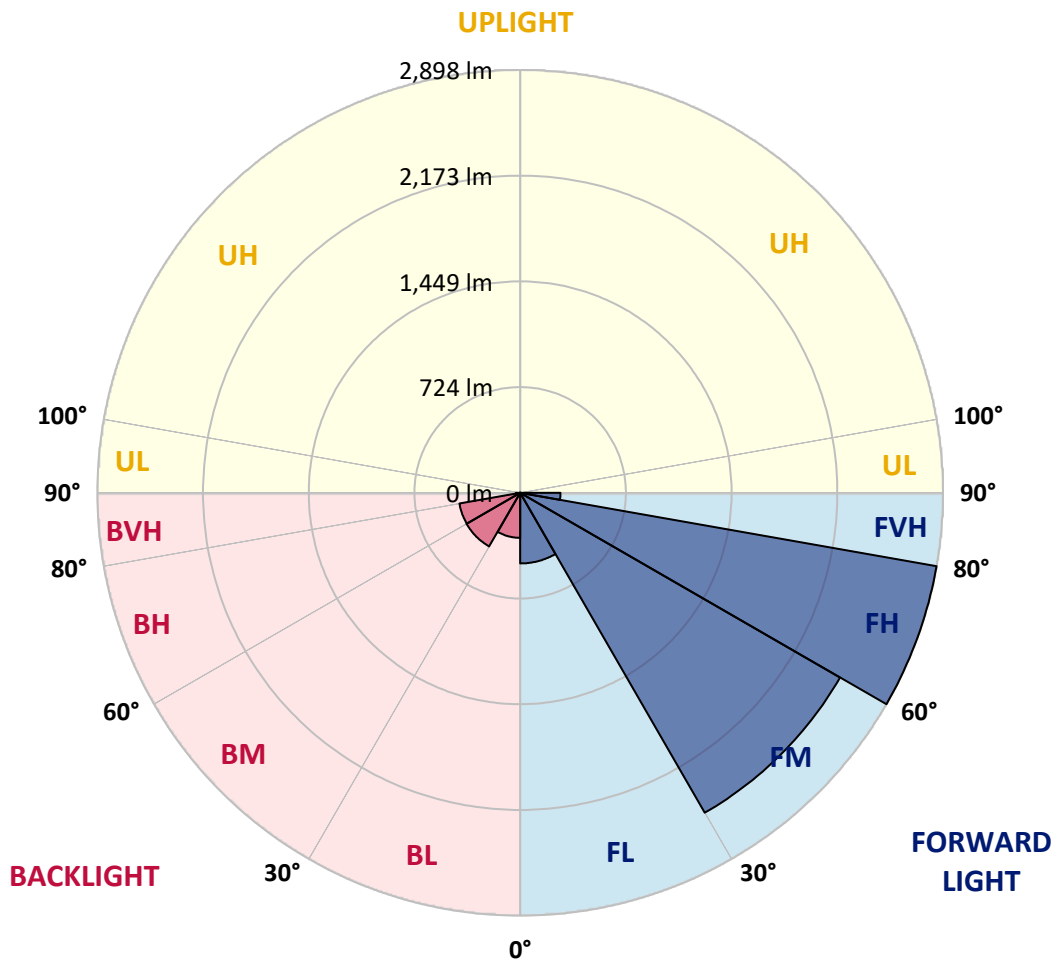
CATALOG NUMBER: SDL-PA1-80-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.2	6.6			
FM (30°-60°)	2531.2	34.3			
FH (60°-80°)	2897.7	39.3			G2/5000
FVH (80°-90°)	276.2	3.7			G3/500
BL (0°-30°)	308.8	4.2	B1/500		
BM (30°-60°)	424.7	5.8	B1/1000		
BH (60°-80°)	422.7	5.7	B1/500		G1/500
BVH (80°-90°)	29.1	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: P561171
 CATALOG NUMBER: SDL-PA1-80-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	1747.1	1944.2	1898.3	1852.4	1922.6	1990.1	2011.7	2030.6	2041.4	2052.2	2063.0
5°	1622.9	1625.6	1628.3	1631.0	1639.1	1644.5	1655.3	1666.1	1676.9	1685.0	1695.8
7.5°	1252.9	1296.1	1366.3	1436.5	1479.8	1520.3	1544.6	1566.2	1582.4	1598.6	1614.8
10°	1393.3	1401.4	1404.1	1404.1	1417.6	1431.1	1328.5	1223.2	1274.5	1325.8	1269.1
12.5°	1093.6	1123.3	1212.4	1298.8	1325.8	1350.1	1301.5	1252.9	1177.3	1099.0	1093.6
15°	1255.6	1263.7	1266.4	1266.4	1182.7	1099.0	1042.3	982.9	1028.8	1072.0	972.1
17.5°	972.1	980.2	1050.4	1120.6	1134.1	1147.6	1088.2	1028.8	896.5	761.5	888.4
20°	1155.7	1161.1	1161.1	1161.1	1020.7	880.3	891.1	899.2	942.4	985.6	950.5
22.5°	931.6	931.6	931.6	931.6	974.8	1015.3	928.9	842.5	891.1	939.7	896.5
25°	1171.9	1180.0	1161.1	1139.5	1009.9	880.3	920.8	961.3	888.4	815.5	880.3
27.5°	1069.3	1061.2	1023.4	982.9	1001.8	1020.7	931.6	842.5	899.2	955.9	928.9
30°	1420.3	1396.0	1355.5	1315.0	1161.1	1007.2	982.9	958.6	910.0	858.7	915.4
32.5°	1887.5	1825.4	1636.4	1447.3	1352.8	1258.3	1136.8	1015.3	1004.5	991.0	1007.2
35°	2011.7	1971.2	1892.9	1811.9	1649.9	1485.2	1331.2	1174.6	1123.3	1069.3	1080.1
37.5°	2036.0	2022.5	2006.3	1987.4	1822.7	1658.0	1490.6	1323.1	1269.1	1212.4	1171.9
40°	2054.9	2065.7	2095.4	2122.4	1957.7	1790.3	1639.1	1485.2	1428.4	1369.0	1298.8
42.5°	2141.3	2171.0	2208.8	2243.9	2092.7	1941.5	1809.2	1676.9	1604.0	1531.1	1466.2
45°	2341.1	2357.3	2397.8	2435.6	2292.5	2146.7	1995.5	1841.6	1779.5	1717.4	1652.6
47.5°	2632.8	2659.8	2657.1	2654.4	2495.1	2333.0	2162.9	1990.1	1949.6	1906.4	1844.3
50°	3000.0	2981.1	2929.8	2878.5	2705.7	2530.2	2330.3	2127.8	2108.9	2087.3	2036.0
52.5°	3183.6	3170.1	3099.9	3027.0	2851.5	2676.0	2460.0	2241.2	2265.5	2289.8	2241.2
55°	3194.4	3186.3	3135.0	3083.7	2913.6	2743.5	2551.8	2360.0	2419.4	2478.9	2460.0
57.5°	3116.1	3118.8	3102.6	3083.7	2932.5	2781.3	2622.0	2462.7	2565.3	2665.2	2684.1
60°	2916.3	2956.8	2983.8	3010.8	2916.3	2821.8	2684.1	2546.4	2703.0	2859.6	2910.9
62.5°	2546.4	2581.5	2678.7	2773.2	2792.1	2808.3	2716.5	2622.0	2832.6	3040.5	3124.2
65°	1973.9	2022.5	2168.3	2314.1	2465.4	2616.6	2638.2	2659.8	3016.2	3372.6	3442.9
67.5°	1231.3	1258.3	1412.2	1563.5	1868.6	2171.0	2343.8	2516.7	3132.3	3745.3	3856.0
70°	650.8	691.3	766.9	839.8	1101.7	1363.6	1714.7	2065.7	2956.8	3847.9	4301.5
72.5°	494.2	510.4	550.9	591.4	683.2	775.0	996.4	1217.8	2314.1	3407.7	4452.8
75°	356.4	369.9	413.1	453.6	545.5	634.6	726.4	815.5	1428.4	2041.4	3691.3
77.5°	207.9	213.3	234.9	253.8	396.9	540.1	640.0	737.2	885.7	1031.5	2635.5
80°	143.1	145.8	153.9	162.0	224.1	286.2	477.9	669.7	737.2	802.0	1747.1
82.5°	94.5	108.0	113.4	118.8	140.4	162.0	280.8	396.9	583.3	766.9	1193.5
85°	48.6	54.0	64.8	72.9	83.7	91.8	126.9	159.3	483.3	804.7	858.7
87.5°	5.4	8.1	10.8	10.8	13.5	16.2	24.3	32.4	145.8	259.2	221.4
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: P561171
 CATALOG NUMBER: SDL-PA1-80-830-U-SL3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	2073.8	2079.2	2076.5	2081.9	2084.6	2087.3	2090.0	2090.0	2087.3	2081.9	2076.5
5°	1706.6	1814.6	1998.2	2017.1	2036.0	2041.4	2046.8	2049.5	2044.1	2036.0	2027.9
7.5°	1628.3	1644.5	1479.8	1612.1	1741.7	1752.5	1760.6	1755.2	1757.9	1685.0	1609.4
10°	1212.4	1225.9	1231.3	1271.8	1309.6	1398.7	1487.9	1474.4	1463.5	1333.9	1201.6
12.5°	1088.2	1158.4	1174.6	1107.1	1039.6	1131.4	1223.2	1212.4	1193.5	1074.7	955.9
15°	872.2	799.3	955.9	1101.7	1244.8	1331.2	1414.9	1390.6	1369.0	1217.8	1063.9
17.5°	1012.6	1055.8	1004.5	1026.1	1047.7	1112.5	1174.6	1136.8	1123.3	1018.0	910.0
20°	915.4	912.7	877.6	1004.5	1131.4	1258.3	1382.5	1344.7	1279.9	1074.7	866.8
22.5°	853.3	1028.8	1104.4	1088.2	1069.3	1020.7	969.4	937.0	888.4	842.5	793.9
25°	942.4	869.5	928.9	1123.3	1315.0	1350.1	1385.2	1304.2	1198.9	991.0	783.1
27.5°	901.9	1015.3	1090.9	1220.5	1347.4	1469.0	1590.5	1482.5	1344.7	1085.5	823.6
30°	972.1	1034.2	1244.8	1487.9	1730.9	1774.1	1814.6	1666.1	1482.5	1220.5	958.6
32.5°	1023.4	1188.1	1374.4	1563.5	1749.8	1782.2	1814.6	1647.2	1436.5	1147.6	858.7
35°	1088.2	1209.7	1379.8	1601.3	1822.7	1830.8	1836.2	1641.8	1404.1	1077.4	748.0
37.5°	1131.4	1269.1	1452.7	1687.7	1922.6	1906.4	1887.5	1666.1	1393.3	1028.8	664.3
40°	1228.6	1347.4	1544.6	1784.9	2025.2	1998.2	1971.2	1717.4	1396.0	980.2	561.7
42.5°	1398.7	1444.6	1658.0	1914.5	2171.0	2141.3	2108.9	1806.5	1428.4	953.2	475.2
45°	1585.1	1606.7	1790.3	2081.9	2373.5	2335.7	2297.9	1944.2	1487.9	939.7	391.5
47.5°	1779.5	1774.1	1944.2	2297.9	2649.0	2568.0	2487.0	2106.2	1598.6	966.7	334.8
50°	1982.0	1973.9	2138.6	2519.4	2900.1	2813.7	2727.3	2300.6	1725.5	1015.3	302.4
52.5°	2189.9	2208.8	2330.3	2727.3	3121.5	3043.2	2962.2	2511.3	1849.7	1069.3	288.9
55°	2438.3	2497.8	2546.4	2943.3	3340.2	3261.9	3180.9	2727.3	2022.5	1153.0	283.5
57.5°	2700.3	2778.6	2800.2	3162.0	3523.9	3472.6	3418.5	2932.5	2198.0	1250.2	299.7
60°	2962.2	3064.8	3143.1	3434.8	3723.7	3664.3	3604.9	3140.4	2362.7	1358.2	353.7
62.5°	3205.2	3348.3	3475.3	3688.6	3899.2	3829.0	3758.8	3321.3	2549.1	1506.8	461.7
65°	3510.4	3637.3	3775.0	3915.4	4053.1	3985.6	3918.1	3548.2	2797.5	1693.1	586.0
67.5°	3966.7	4004.5	4074.7	4161.1	4244.8	4204.3	4161.1	3826.3	3013.5	1801.1	586.0
70°	4752.5	4668.8	4563.5	4560.8	4555.4	4490.6	4423.1	3982.9	3027.0	1757.9	488.7
72.5°	5495.1	5781.3	5446.5	5203.4	4960.4	4674.2	4385.2	3772.3	2673.3	1531.1	388.8
75°	5338.4	6451.0	6288.9	5630.1	4971.2	4452.8	3934.3	3286.2	2200.7	1266.4	332.1
77.5°	4236.7	5692.2	5846.1	5241.2	4633.7	3931.6	3226.8	2541.0	1525.7	901.9	278.1
80°	2689.5	4255.6	4282.6	3721.0	3156.6	2403.2	1649.9	1107.1	734.5	477.9	221.4
82.5°	1620.2	2519.4	2192.6	1571.6	950.5	658.9	364.5	351.0	270.0	199.8	129.6
85°	912.7	1234.0	885.7	580.6	275.4	197.1	116.1	124.2	118.8	97.2	72.9
87.5°	180.9	213.3	145.8	83.7	21.6	21.6	18.9	18.9	13.5	13.5	10.8
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: P561171
 CATALOG NUMBER: SDL-PA1-80-830-U-SL3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	2076.5	2076.5	2071.1	2065.7	2063.0	2060.3	1979.3	1898.3	1844.3	1787.6	1774.1
5°	1928.0	1828.1	1752.5	1676.9	1660.7	1644.5	1641.8	1639.1	1631.0	1620.2	1617.5
7.5°	1523.0	1433.8	1496.0	1555.4	1544.6	1531.1	1523.0	1512.2	1493.3	1474.4	1379.8
10°	1171.9	1142.2	1142.2	1139.5	1117.9	1096.3	1144.9	1193.5	1247.5	1301.5	1296.1
12.5°	999.1	1039.6	934.3	826.3	885.7	942.4	996.4	1047.7	1074.7	1101.7	1018.0
15°	942.4	818.2	783.1	748.0	775.0	802.0	723.7	642.7	704.8	766.9	780.4
17.5°	845.2	780.4	745.3	707.5	604.9	499.6	534.7	569.8	567.1	564.4	550.9
20°	788.5	707.5	645.4	580.6	532.0	483.3	432.0	378.0	353.7	326.7	391.5
22.5°	750.7	707.5	577.9	448.2	410.4	372.6	332.1	288.9	305.1	318.6	329.4
25°	656.2	526.6	453.6	380.7	321.3	259.2	261.9	264.6	251.1	237.6	299.7
27.5°	664.3	502.3	388.8	275.4	253.8	229.5	216.0	199.8	221.4	240.3	245.7
30°	696.7	434.7	329.4	224.1	199.8	175.5	183.6	189.0	189.0	189.0	216.0
32.5°	618.4	378.0	280.8	180.9	167.4	151.2	153.9	153.9	167.4	180.9	194.4
35°	523.9	297.0	229.5	159.3	145.8	132.3	137.7	143.1	156.6	170.1	189.0
37.5°	450.9	234.9	189.0	143.1	135.0	126.9	129.6	132.3	145.8	156.6	172.8
40°	380.7	197.1	167.4	137.7	129.6	121.5	124.2	124.2	135.0	145.8	156.6
42.5°	329.4	180.9	159.3	135.0	126.9	116.1	118.8	118.8	126.9	135.0	143.1
45°	283.5	172.8	153.9	132.3	124.2	113.4	113.4	110.7	118.8	124.2	129.6
47.5°	253.8	170.1	151.2	132.3	121.5	108.0	105.3	102.6	110.7	116.1	124.2
50°	237.6	170.1	151.2	129.6	116.1	102.6	99.9	97.2	108.0	116.1	129.6
52.5°	232.2	172.8	151.2	129.6	113.4	97.2	97.2	97.2	116.1	135.0	140.4
55°	232.2	178.2	153.9	126.9	110.7	94.5	99.9	105.3	110.7	116.1	116.1
57.5°	237.6	175.5	148.5	121.5	110.7	97.2	94.5	91.8	94.5	97.2	97.2
60°	261.9	170.1	143.1	116.1	102.6	89.1	86.4	83.7	89.1	91.8	91.8
62.5°	315.9	167.4	143.1	116.1	99.9	83.7	83.7	81.0	83.7	86.4	89.1
65°	386.1	186.3	151.2	116.1	99.9	83.7	78.3	72.9	78.3	81.0	81.0
67.5°	402.3	218.7	175.5	129.6	105.3	81.0	75.6	70.2	75.6	78.3	78.3
70°	364.5	240.3	189.0	137.7	110.7	81.0	75.6	67.5	70.2	72.9	70.2
72.5°	313.2	234.9	186.3	135.0	108.0	78.3	72.9	64.8	67.5	67.5	64.8
75°	267.3	202.5	159.3	113.4	91.8	67.5	62.1	56.7	59.4	59.4	59.4
77.5°	224.1	167.4	129.6	89.1	72.9	54.0	51.3	48.6	51.3	54.0	51.3
80°	175.5	126.9	97.2	64.8	54.0	40.5	43.2	43.2	45.9	45.9	45.9
82.5°	102.6	75.6	62.1	45.9	37.8	29.7	32.4	35.1	37.8	37.8	37.8
85°	62.1	48.6	40.5	32.4	27.0	18.9	24.3	27.0	27.0	27.0	24.3
87.5°	10.8	10.8	10.8	10.8	8.1	5.4	10.8	13.5	13.5	13.5	10.8
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: P561171
 CATALOG NUMBER: SDL-PA1-80-830-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2103.5	2103.5	2103.5	2103.5
2.5°	1757.9	1757.9	1755.2	1755.2
5°	1614.8	1609.4	1604.0	1609.4
7.5°	1285.3	1247.5	1209.7	1220.5
10°	1288.0	1285.3	1282.6	1279.9
12.5°	931.6	901.9	872.2	853.3
15°	791.2	783.1	772.3	772.3
17.5°	534.7	510.4	486.0	469.8
20°	456.3	469.8	480.6	486.0
22.5°	340.2	351.0	361.8	367.2
25°	359.1	386.1	410.4	413.1
27.5°	248.4	261.9	272.7	267.3
30°	243.0	251.1	259.2	259.2
32.5°	207.9	229.5	251.1	253.8
35°	207.9	218.7	229.5	232.2
37.5°	186.3	194.4	199.8	202.5
40°	167.4	172.8	175.5	175.5
42.5°	148.5	162.0	172.8	172.8
45°	132.3	167.4	202.5	213.3
47.5°	129.6	180.9	232.2	243.0
50°	140.4	189.0	234.9	240.3
52.5°	143.1	170.1	194.4	194.4
55°	113.4	126.9	137.7	135.0
57.5°	97.2	108.0	116.1	116.1
60°	91.8	105.3	116.1	118.8
62.5°	89.1	94.5	99.9	105.3
65°	81.0	81.0	81.0	81.0
67.5°	75.6	75.6	72.9	72.9
70°	67.5	67.5	67.5	67.5
72.5°	62.1	62.1	62.1	59.4
75°	56.7	56.7	54.0	54.0
77.5°	48.6	48.6	48.6	48.6
80°	43.2	43.2	40.5	40.5
82.5°	35.1	35.1	32.4	29.7
85°	21.6	21.6	18.9	16.2
87.5°	8.1	8.1	5.4	2.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)