

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: P561346

Luminaire Tested: **SDL-PA1-90-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561346
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-PA1-90-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 1180mA 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: 6784.7 lumens
Efficiency: N/A
Efficacy: 73.4 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): 92.4
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

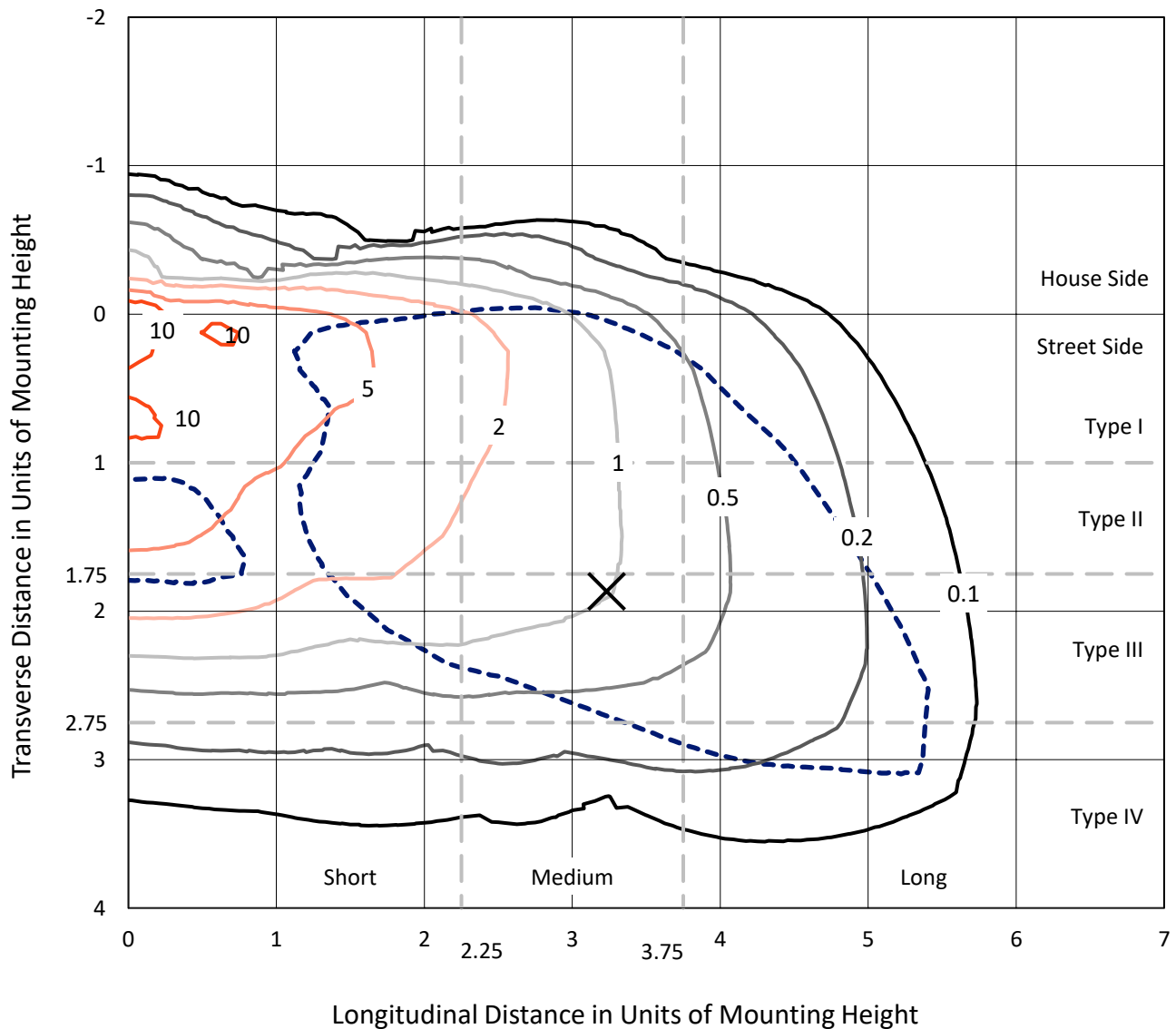


REPORT NUMBER: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

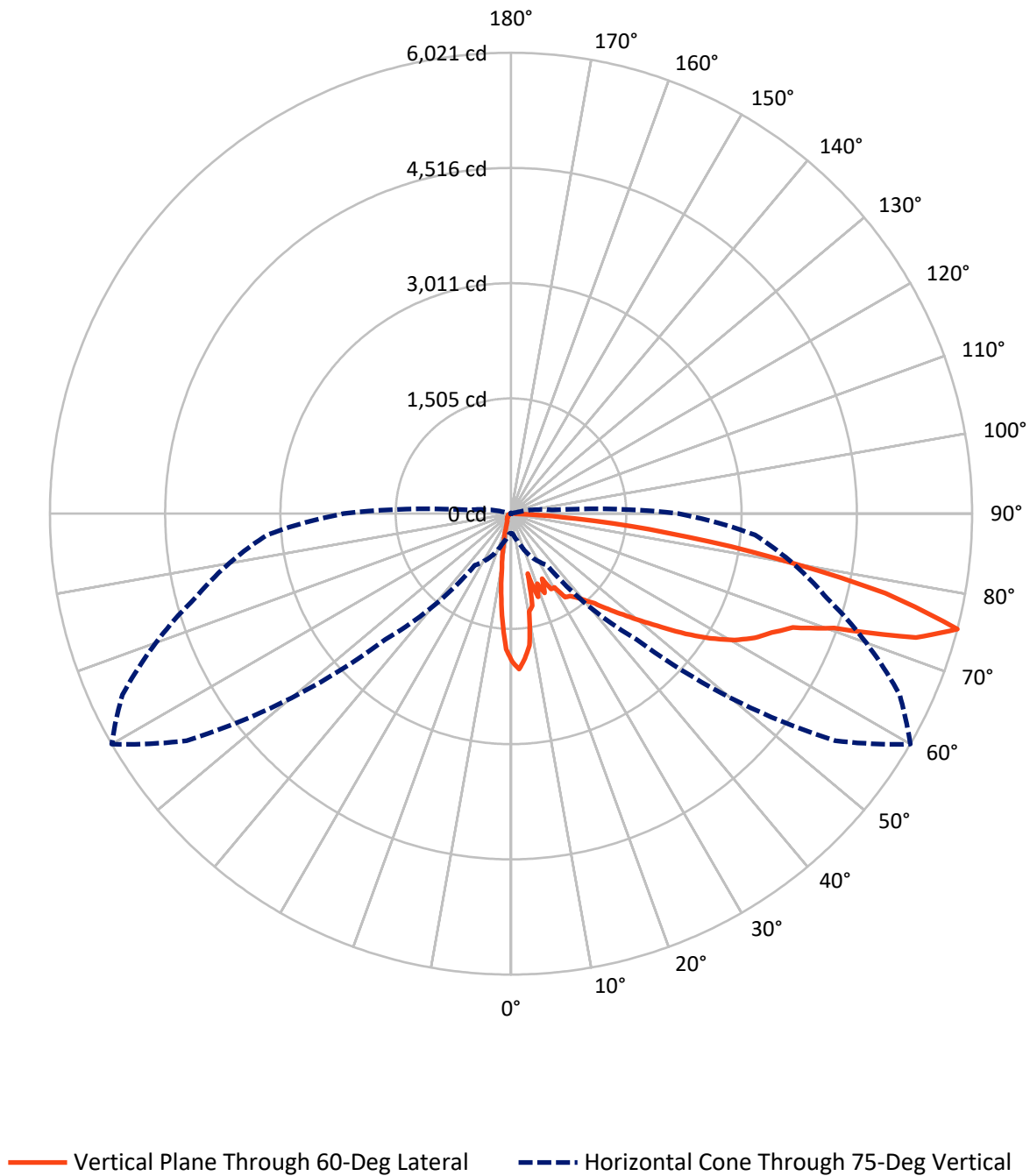


Based on 10 foot mounting height. Maximum calculated value = 19.3 fc
Type IV - Medium - N/A

REPORT NUMBER: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

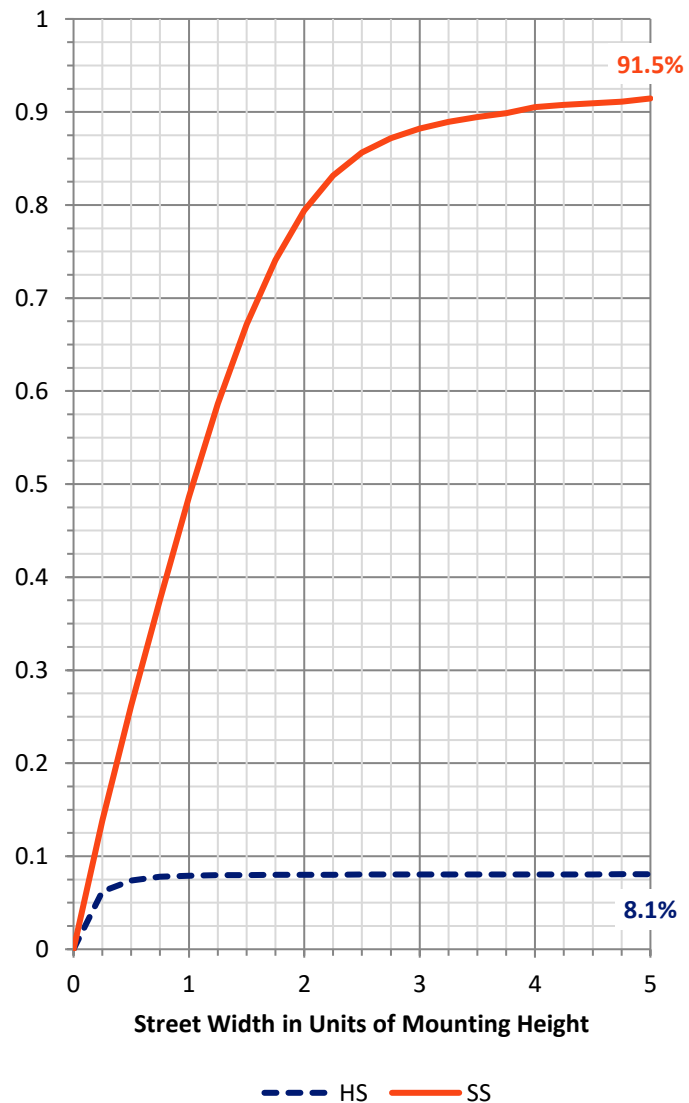
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	552.7	0.0	552.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6232.0	0.0	6232.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	6784.7	0.0	6784.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	2.0
10°-20°	222.0	3.3
20°-30°	318.0	4.7
30°-40°	566.3	8.3
40°-50°	932.0	13.7
50°-60°	1437.1	21.2
60°-70°	1674.9	24.7
70°-80°	1297.9	19.1
80°-90°	202.6	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°	6784.7	100.0
0°-180°	6784.7	100.0

Coefficient of Utilization



REPORT NUMBER: P561346

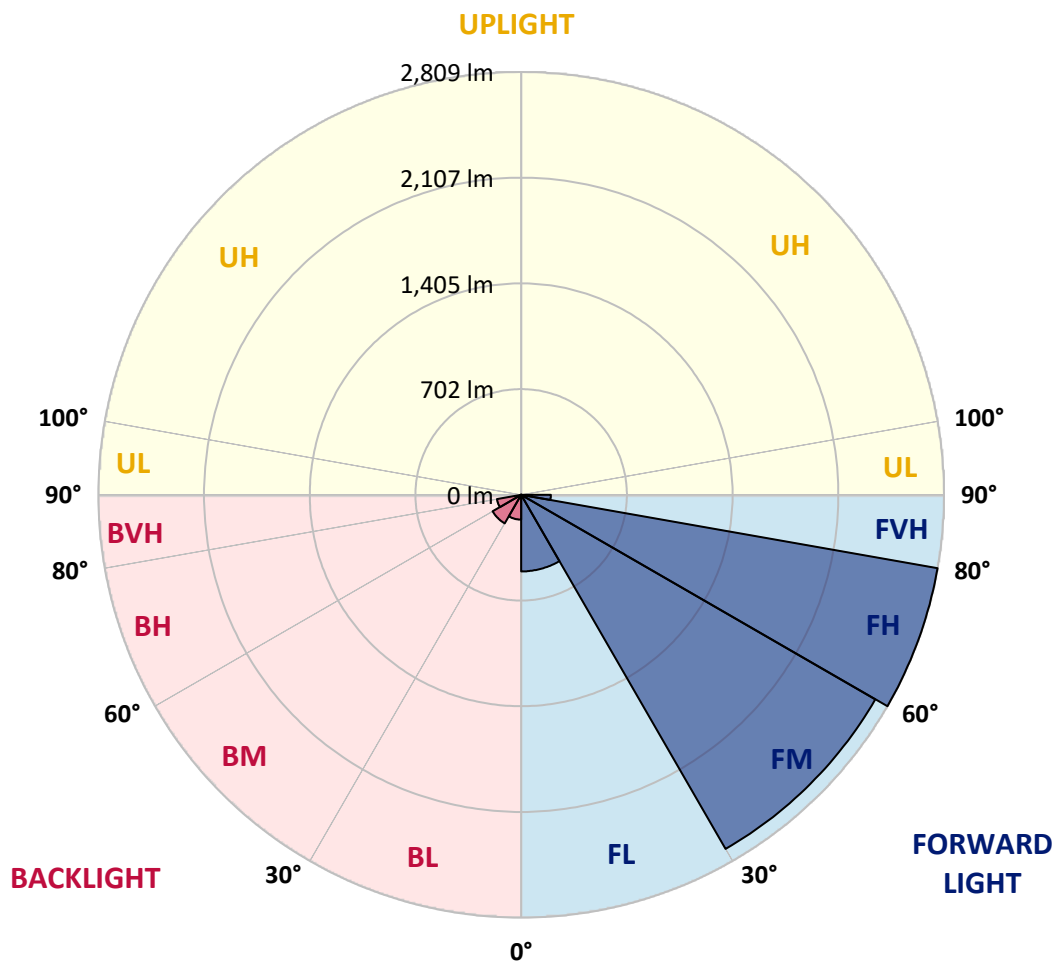
CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	509.0	7.5			
FM	(30°-60°)	2716.6	40.0			
FH	(60°-80°)	2809.3	41.4			G2/5000
FVH	(80°-90°)	197.1	2.9			G2/225
BL	(0°-30°)	164.8	2.4	B1/500		
BM	(30°-60°)	218.8	3.2	B0/220		
BH	(60°-80°)	163.5	2.4	B1/500		G1/500
BVH	(80°-90°)	5.6	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: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4
2.5°	1806.6	1874.4	1915.7	1954.0	2004.1	2054.2	2057.1	2060.1	2060.1	2060.1	2057.1
5°	1744.7	1750.6	1750.6	1750.6	1759.5	1768.3	1774.2	1777.2	1780.1	1780.1	1777.2
7.5°	1364.5	1473.6	1541.4	1606.2	1623.9	1641.6	1665.2	1685.8	1703.5	1718.2	1730.0
10°	1511.9	1523.7	1523.7	1520.7	1535.5	1547.3	1432.3	1314.4	1361.6	1408.8	1349.8
12.5°	1167.1	1226.0	1299.7	1370.4	1417.6	1464.8	1411.7	1358.7	1276.1	1190.7	1184.8
15°	1364.5	1373.4	1376.3	1379.3	1299.7	1217.2	1119.9	1019.7	1087.5	1155.3	1058.0
17.5°	1049.2	1058.0	1140.6	1223.1	1231.9	1240.8	1178.9	1114.0	972.6	831.1	963.7
20°	1255.5	1261.4	1261.4	1261.4	1105.2	949.0	960.8	969.6	1013.8	1058.0	1025.6
22.5°	1010.9	999.1	1005.0	1007.9	1055.1	1099.3	1007.9	913.6	981.4	1046.3	990.3
25°	1264.3	1267.3	1249.6	1229.0	1090.5	949.0	999.1	1046.3	966.7	884.2	963.7
27.5°	1143.5	1131.7	1090.5	1049.2	1069.8	1090.5	996.1	898.9	975.5	1049.2	1013.8
30°	1506.0	1500.1	1447.1	1391.1	1226.0	1058.0	1040.4	1019.7	975.5	928.4	990.3
32.5°	2010.0	1939.2	1741.8	1541.4	1438.2	1332.1	1202.5	1072.8	1087.5	1099.3	1108.1
35°	2122.0	2089.6	2004.1	1918.6	1759.5	1597.4	1420.5	1240.8	1199.5	1158.2	1181.8
37.5°	2151.4	2139.7	2127.9	2113.1	1924.5	1735.9	1559.1	1379.3	1346.9	1311.5	1285.0
40°	2180.9	2192.7	2228.1	2260.5	2083.7	1906.8	1741.8	1573.8	1535.5	1497.2	1429.4
42.5°	2298.8	2307.6	2360.7	2413.7	2242.8	2068.9	1924.5	1780.1	1724.1	1668.1	1606.2
45°	2549.3	2558.2	2587.6	2617.1	2458.0	2295.9	2136.7	1974.6	1930.4	1883.3	1812.5
47.5°	2897.1	2905.9	2891.2	2876.5	2693.7	2508.1	2319.4	2130.8	2116.1	2101.3	2027.7
50°	3295.0	3283.2	3203.6	3124.0	2923.6	2723.2	2502.2	2278.2	2290.0	2301.8	2248.7
52.5°	3477.7	3471.8	3380.4	3289.1	3082.8	2873.5	2643.6	2410.8	2452.1	2490.4	2460.9
55°	3465.9	3462.9	3401.1	3339.2	3144.6	2950.1	2735.0	2519.8	2614.2	2705.5	2687.8
57.5°	3336.2	3342.1	3333.3	3324.4	3153.5	2982.6	2808.7	2634.8	2776.2	2914.8	2938.3
60°	3132.9	3132.9	3177.1	3218.3	3118.1	3015.0	2870.6	2723.2	2917.7	3112.2	3171.2
62.5°	2708.5	2755.6	2849.9	2944.2	2976.7	3009.1	2891.2	2773.3	3041.5	3309.7	3395.2
65°	2086.6	2107.2	2278.2	2449.1	2608.3	2764.5	2773.3	2782.1	3191.8	3598.5	3628.0
67.5°	1211.3	1296.8	1485.4	1671.1	1983.5	2292.9	2452.1	2611.2	3256.6	3899.1	3931.5
70°	636.6	672.0	763.3	851.7	1131.7	1408.8	1803.7	2195.7	3106.3	4014.1	4297.0
72.5°	436.2	468.6	518.7	568.8	674.9	778.1	1061.0	1341.0	2472.7	3604.4	4482.7
75°	256.4	265.2	327.1	389.0	504.0	618.9	722.1	822.3	1573.8	2322.4	3745.9
77.5°	103.2	112.0	138.5	165.0	327.1	486.3	592.4	698.5	878.3	1058.0	2572.9
80°	56.0	56.0	67.8	76.6	147.4	215.1	397.9	580.6	669.0	757.4	1668.1
82.5°	32.4	32.4	41.3	47.2	73.7	100.2	226.9	353.7	521.7	686.7	1125.8
85°	11.8	11.8	14.7	17.7	35.4	50.1	82.5	112.0	324.2	533.4	648.4
87.5°	2.9	2.9	5.9	5.9	8.8	11.8	14.7	14.7	11.8	8.8	58.9
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: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4
2.5°	2051.2	2033.6	2021.8	2001.1	1980.5	1962.8	1942.2	1915.7	1895.0	1868.5	1842.0
5°	1774.2	1898.0	2024.7	2012.9	1998.2	1956.9	1915.7	1868.5	1824.3	1771.3	1718.2
7.5°	1738.8	1735.9	1615.1	1676.9	1735.9	1688.7	1641.6	1588.5	1529.6	1426.4	1323.3
10°	1290.9	1299.7	1296.8	1311.5	1326.2	1364.5	1399.9	1323.3	1249.6	1087.5	922.5
12.5°	1178.9	1234.9	1249.6	1149.4	1049.2	1090.5	1131.7	1055.1	981.4	831.1	680.8
15°	957.8	813.4	1019.7	1155.3	1287.9	1308.5	1326.2	1226.0	1108.1	901.8	692.6
17.5°	1093.4	1143.5	1084.6	1087.5	1087.5	1090.5	1093.4	1002.0	884.2	728.0	571.8
20°	993.2	978.5	984.4	1081.6	1178.9	1243.7	1305.6	1167.1	1016.8	775.1	530.5
22.5°	934.3	1125.8	1208.3	1167.1	1125.8	1022.7	916.6	810.5	686.7	565.9	442.1
25°	1040.4	940.2	1005.0	1164.1	1323.3	1323.3	1323.3	1140.6	937.2	677.9	418.5
27.5°	978.5	1117.0	1181.8	1308.5	1432.3	1485.4	1535.5	1302.7	1034.5	713.2	389.0
30°	1052.1	1117.0	1346.9	1600.3	1853.8	1809.6	1762.4	1464.8	1125.8	748.6	371.3
32.5°	1117.0	1299.7	1503.1	1694.6	1886.2	1836.1	1783.0	1453.0	1072.8	674.9	277.0
35°	1205.4	1323.3	1511.9	1744.7	1977.6	1900.9	1821.4	1458.9	1031.5	618.9	206.3
37.5°	1258.4	1388.1	1591.5	1836.1	2077.8	1983.5	1889.1	1485.4	996.1	577.6	159.1
40°	1358.7	1488.3	1691.7	1948.1	2204.5	2095.4	1983.5	1532.5	975.5	554.1	132.6
42.5°	1544.3	1603.3	1830.2	2101.3	2372.5	2257.5	2139.7	1632.7	969.6	542.3	114.9
45°	1738.8	1777.2	1977.6	2281.1	2581.7	2463.8	2343.0	1756.5	990.3	551.1	109.0
47.5°	1951.0	1971.7	2154.4	2531.6	2908.9	2746.8	2584.7	1927.5	1034.5	568.8	103.2
50°	2195.7	2195.7	2372.5	2779.2	3185.9	3017.9	2849.9	2127.9	1090.5	595.3	100.2
52.5°	2428.5	2460.9	2596.5	3012.0	3427.6	3271.4	3112.2	2348.9	1164.1	630.7	94.3
55°	2667.2	2770.4	2820.5	3244.9	3669.2	3489.5	3309.7	2511.0	1208.3	648.4	88.4
57.5°	2961.9	3071.0	3097.5	3457.0	3816.6	3642.7	3465.9	2649.5	1240.8	663.1	85.5
60°	3230.1	3353.9	3406.9	3672.2	3934.5	3754.7	3574.9	2770.4	1270.2	674.9	76.6
62.5°	3477.7	3572.0	3654.5	3825.4	3996.4	3828.4	3657.5	2876.5	1287.9	677.9	67.8
65°	3657.5	3742.9	3860.8	3958.1	4055.3	3928.6	3801.9	3059.2	1338.0	695.5	50.1
67.5°	3961.0	3969.9	4037.6	4117.2	4196.8	4129.0	4061.2	3312.6	1397.0	719.1	38.3
70°	4577.0	4476.8	4388.4	4467.9	4544.6	4450.2	4355.9	3386.3	1261.4	645.4	29.5
72.5°	5360.9	5528.9	5101.6	4936.5	4768.5	4420.8	4070.1	2914.8	895.9	459.8	23.6
75°	5169.4	6021.1	5599.7	4936.5	4273.4	3737.0	3197.7	2186.8	551.1	285.9	17.7
77.5°	4084.8	4998.4	4848.1	4164.4	3477.7	2817.5	2157.3	1343.9	194.5	106.1	17.7
80°	2578.8	3457.0	3327.4	2705.5	2080.7	1479.5	878.3	409.7	73.7	47.2	20.6
82.5°	1565.0	2060.1	1618.0	1013.8	409.7	288.8	168.0	88.4	23.6	20.6	17.7
85°	760.4	851.7	557.0	321.2	82.5	76.6	67.8	44.2	11.8	11.8	8.8
87.5°	106.1	76.6	47.2	32.4	14.7	14.7	14.7	8.8	8.8	8.8	5.9
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: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4	1933.4
2.5°	1821.4	1797.8	1771.3	1744.7	1715.3	1685.8	1600.3	1511.9	1464.8	1414.6	1402.9
5°	1621.0	1523.7	1402.9	1279.1	1226.0	1173.0	1146.5	1117.0	1099.3	1078.7	1061.0
7.5°	1187.7	1049.2	1049.2	1046.3	1002.0	957.8	907.7	854.7	822.3	789.8	704.4
10°	848.8	772.2	719.1	666.1	645.4	624.8	560.0	492.2	498.1	501.0	483.3
12.5°	657.2	630.7	533.4	436.2	403.8	371.3	350.7	330.1	300.6	271.1	250.5
15°	562.9	433.2	359.6	285.9	253.5	218.1	188.6	156.2	147.4	135.6	150.3
17.5°	462.7	350.7	280.0	209.3	162.1	114.9	120.8	126.7	138.5	150.3	156.2
20°	397.9	265.2	203.4	141.5	126.7	112.0	117.9	120.8	117.9	112.0	129.7
22.5°	324.2	206.3	156.2	103.2	106.1	109.0	100.2	91.4	109.0	126.7	126.7
25°	277.0	135.6	120.8	106.1	97.3	88.4	100.2	109.0	103.2	97.3	112.0
27.5°	253.5	117.9	103.2	88.4	91.4	94.3	91.4	85.5	94.3	103.2	100.2
30°	241.7	109.0	100.2	88.4	85.5	79.6	82.5	82.5	79.6	76.6	85.5
32.5°	194.5	112.0	97.3	79.6	76.6	70.7	67.8	64.8	67.8	70.7	73.7
35°	156.2	103.2	91.4	76.6	70.7	64.8	61.9	56.0	56.0	56.0	58.9
37.5°	126.7	94.3	82.5	67.8	61.9	56.0	53.0	47.2	47.2	47.2	47.2
40°	112.0	88.4	76.6	61.9	56.0	47.2	44.2	38.3	38.3	35.4	35.4
42.5°	97.3	79.6	67.8	53.0	47.2	41.3	35.4	29.5	29.5	26.5	26.5
45°	91.4	73.7	61.9	50.1	41.3	32.4	29.5	23.6	23.6	20.6	20.6
47.5°	88.4	70.7	58.9	44.2	35.4	26.5	23.6	17.7	17.7	17.7	17.7
50°	82.5	64.8	53.0	38.3	32.4	23.6	20.6	14.7	14.7	14.7	14.7
52.5°	79.6	61.9	47.2	32.4	26.5	17.7	14.7	11.8	11.8	11.8	11.8
55°	76.6	64.8	47.2	29.5	23.6	14.7	11.8	8.8	8.8	8.8	8.8
57.5°	73.7	61.9	44.2	23.6	17.7	11.8	8.8	5.9	5.9	5.9	5.9
60°	64.8	53.0	35.4	17.7	14.7	8.8	5.9	2.9	5.9	5.9	5.9
62.5°	56.0	41.3	29.5	14.7	11.8	5.9	5.9	2.9	5.9	5.9	5.9
65°	41.3	32.4	23.6	11.8	8.8	2.9	2.9	2.9	5.9	5.9	5.9
67.5°	32.4	23.6	17.7	8.8	5.9	2.9	2.9	2.9	5.9	5.9	5.9
70°	23.6	17.7	11.8	5.9	5.9	2.9	2.9	2.9	5.9	5.9	5.9
72.5°	17.7	11.8	8.8	5.9	5.9	2.9	5.9	5.9	5.9	5.9	5.9
75°	14.7	11.8	8.8	5.9	5.9	2.9	5.9	5.9	8.8	8.8	8.8
77.5°	14.7	8.8	8.8	5.9	5.9	2.9	5.9	8.8	8.8	8.8	8.8
80°	14.7	8.8	8.8	5.9	5.9	2.9	5.9	8.8	8.8	8.8	8.8
82.5°	14.7	8.8	8.8	5.9	5.9	2.9	5.9	8.8	8.8	8.8	8.8
85°	8.8	8.8	8.8	8.8	5.9	2.9	8.8	11.8	11.8	8.8	8.8
87.5°	5.9	5.9	8.8	8.8	5.9	2.9	8.8	11.8	11.8	8.8	8.8
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: P561346

CATALOG NUMBER: SDL-PA1-90-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1933.4	1933.4	1933.4	1933.4
2.5°	1388.1	1373.4	1355.7	1391.1
5°	1043.3	1031.5	1019.7	1040.4
7.5°	618.9	621.9	621.9	589.4
10°	462.7	436.2	406.7	406.7
12.5°	229.9	212.2	194.5	191.6
15°	165.0	168.0	170.9	170.9
17.5°	162.1	156.2	147.4	141.5
20°	144.4	150.3	153.3	153.3
22.5°	126.7	123.8	117.9	117.9
25°	126.7	129.7	132.6	132.6
27.5°	97.3	97.3	94.3	94.3
30°	94.3	94.3	94.3	94.3
32.5°	73.7	76.6	76.6	76.6
35°	61.9	61.9	61.9	61.9
37.5°	47.2	47.2	47.2	44.2
40°	35.4	35.4	35.4	35.4
42.5°	26.5	26.5	26.5	26.5
45°	20.6	20.6	20.6	20.6
47.5°	17.7	17.7	14.7	14.7
50°	11.8	11.8	11.8	11.8
52.5°	8.8	8.8	8.8	8.8
55°	5.9	5.9	5.9	5.9
57.5°	5.9	5.9	5.9	5.9
60°	2.9	2.9	2.9	2.9
62.5°	2.9	2.9	2.9	2.9
65°	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9
72.5°	5.9	5.9	2.9	2.9
75°	5.9	5.9	2.9	2.9
77.5°	5.9	5.9	2.9	2.9
80°	5.9	5.9	2.9	2.9
82.5°	5.9	5.9	2.9	2.9
85°	5.9	5.9	5.9	2.9
87.5°	5.9	5.9	5.9	2.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)