

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: P561344

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7560 lumens
Efficiency: N/A
Efficacy: 81.8 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 - U3 - G3

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

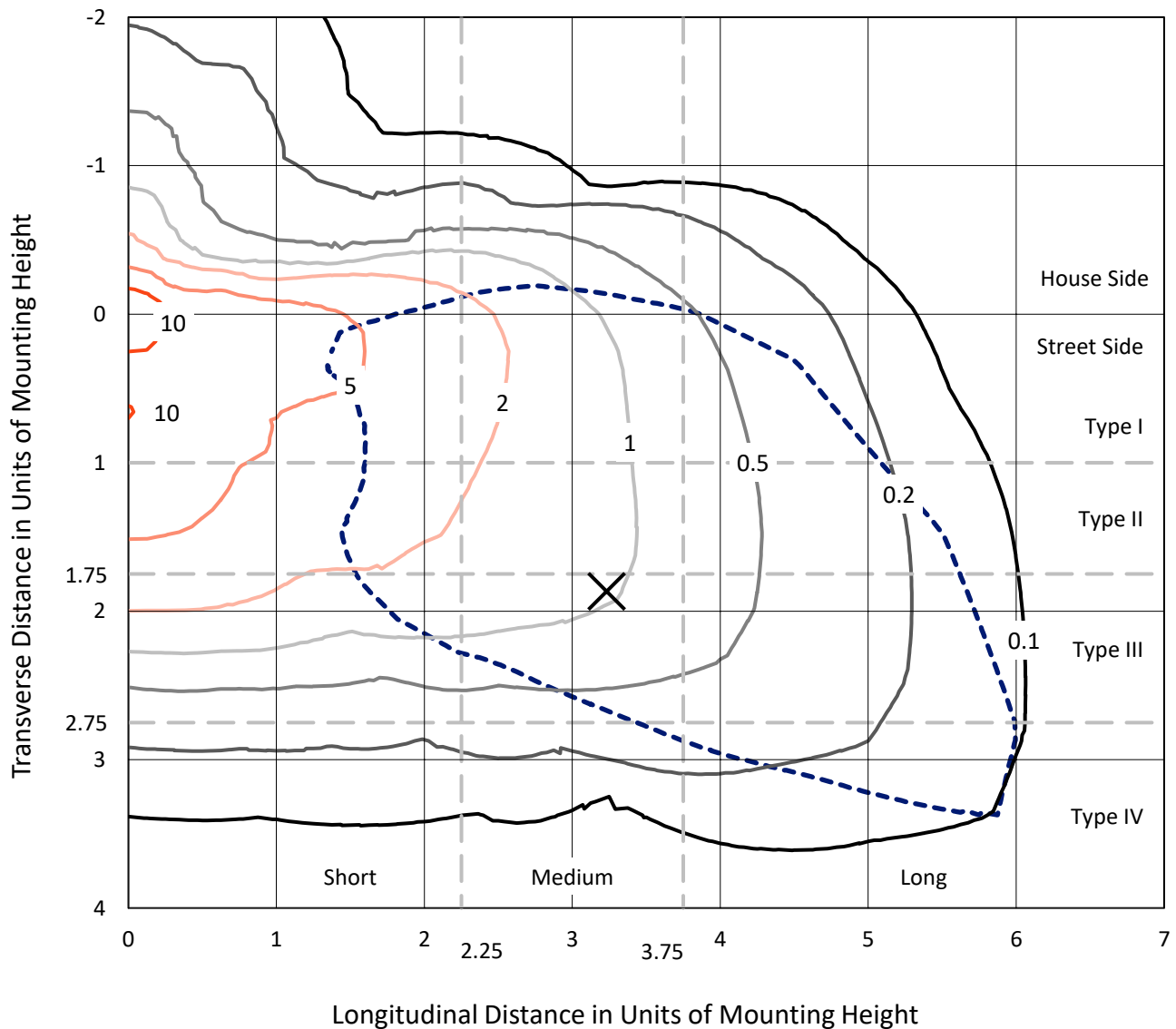


REPORT NUMBER: P561344

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

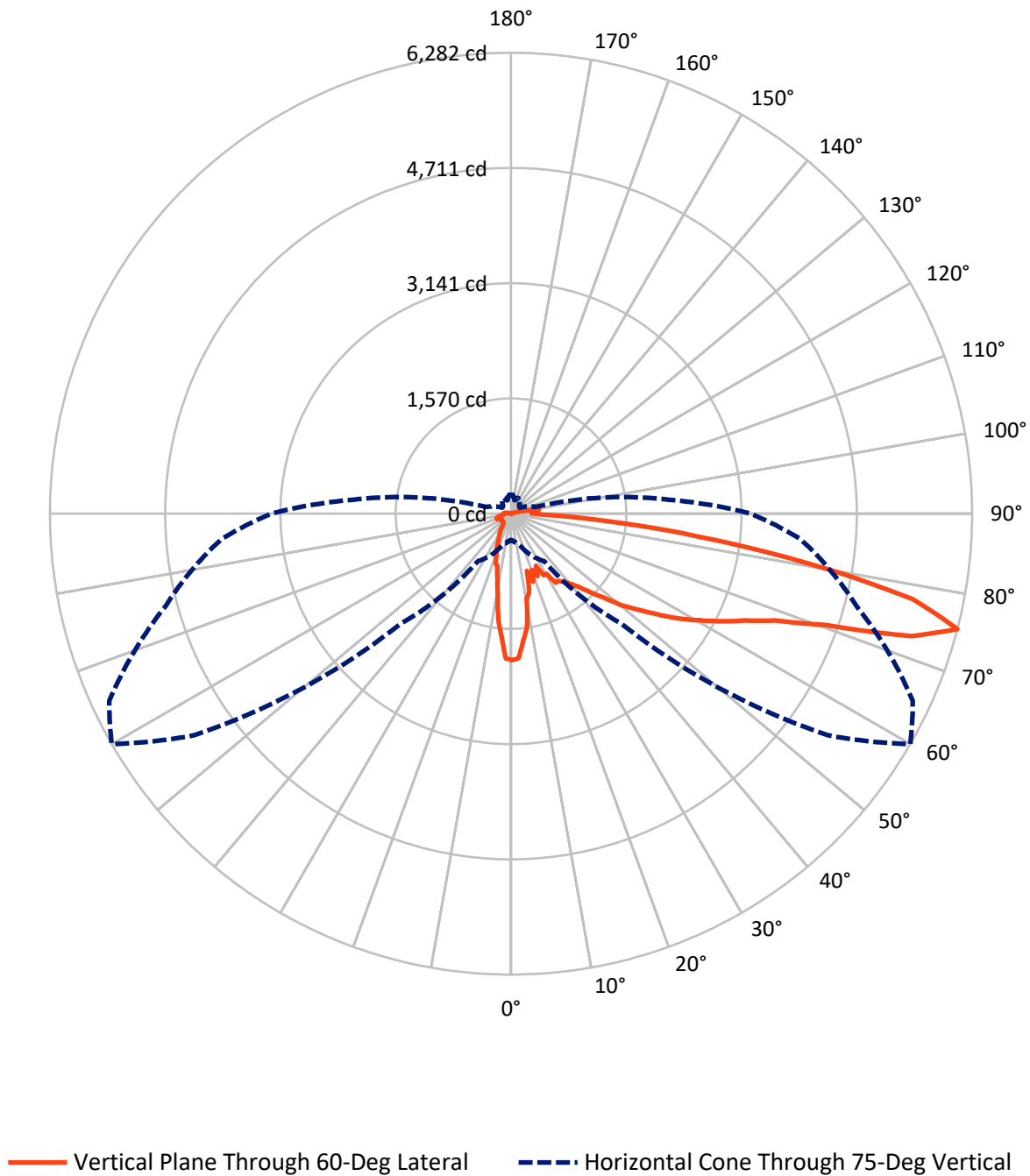


Based on 10 foot mounting height. Maximum calculated value = 20 fc
Type III - Medium - N/A

REPORT NUMBER: P561344

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

Luminous Intensity Polar Plot



REPORT NUMBER: P561344

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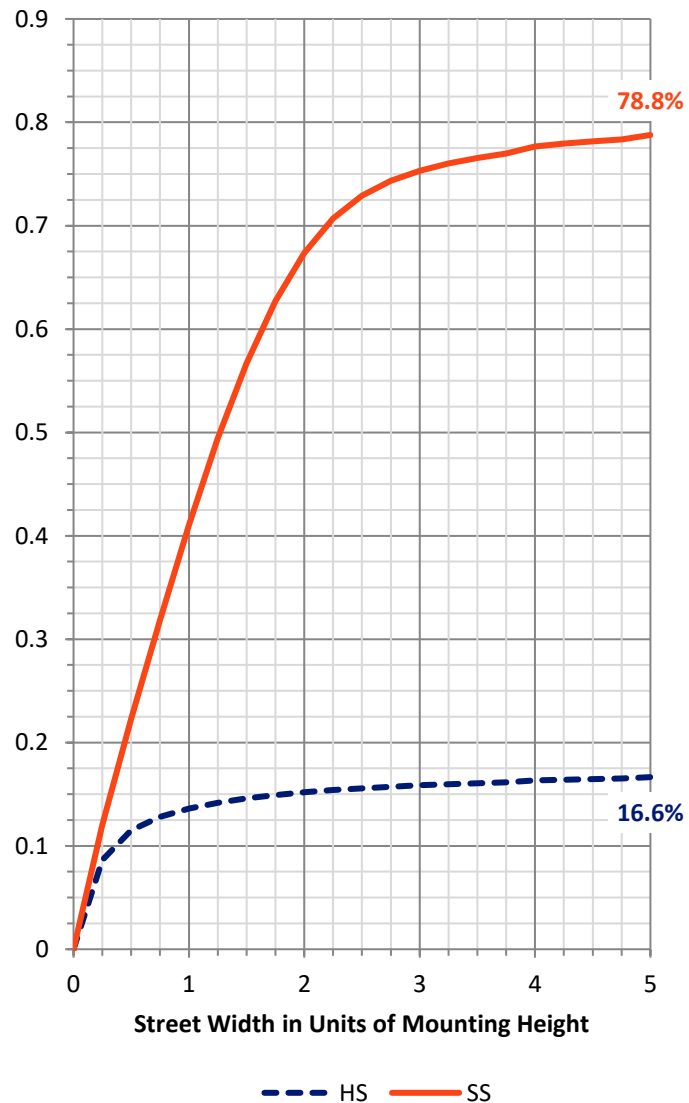
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1327.2	100.6	1427.8
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6025.9	106.3	6132.2
	% Fixture	79.7	1.4	81.1
Total	Lumens	7353.1	206.9	7560.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	1.9
10°-20°	261.5	3.5
20°-30°	338.8	4.5
30°-40°	564.7	7.5
40°-50°	904.1	12.0
50°-60°	1388.0	18.4
60°-70°	1734.4	22.9
70°-80°	1581.9	20.9
80°-90°	432.9	5.7
90°-100°	145.3	1.9
100°-110°	33.0	0.4
110°-120°	10.5	0.1
120°-130°	9.8	0.1
130°-140°	4.6	0.1
140°-150°	1.9	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7353.1	97.3
0°-180°	7560.0	100.0

Coefficient of Utilization



REPORT NUMBER: P561344

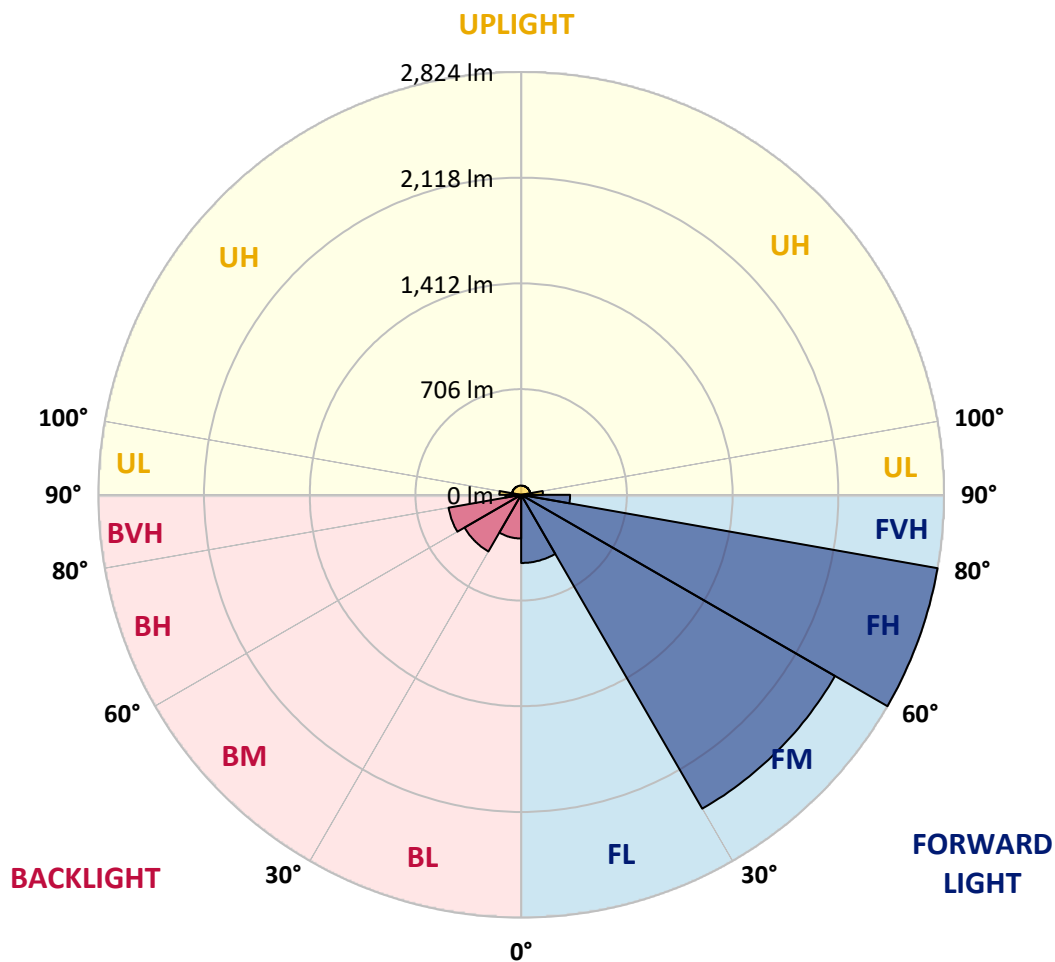
CATALOG NUMBER: SDL-PA1-90-830-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.4	6.0			
FM	(30°-60°)	2420.1	32.0			
FH	(60°-80°)	2823.8	37.4			G2/5000
FVH	(80°-90°)	326.6	4.3			G3/500
BL	(0°-30°)	291.8	3.9	B1/500		
BM	(30°-60°)	436.8	5.8	B1/1000		
BH	(60°-80°)	492.4	6.5	B1/500		G1/500
BVH	(80°-90°)	106.2	1.4			G2/225
UL	(90°-100°)	145.3	1.9		U3/500	
UH	(100°-180°)	61.6	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



REPORT NUMBER: P561344

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5
2.5°	1675.1	1831.4	1816.6	1937.5	1937.5	1964.1	1975.9	1972.9	1984.7	1996.5	1993.6
5°	1542.4	1545.3	1557.1	1583.7	1592.5	1601.4	1630.8	1734.1	1908.1	1949.3	1949.3
7.5°	1274.0	1344.8	1433.3	1448.0	1501.1	1527.6	1560.1	1566.0	1448.0	1660.3	1681.0
10°	1291.7	1294.6	1288.7	1321.2	1282.9	1268.1	1164.9	1170.8	1182.6	1262.2	1421.5
12.5°	1011.5	1070.5	1197.3	1256.3	1161.9	1058.7	1052.8	1103.0	1123.6	1005.6	1253.4
15°	1156.0	1161.9	1164.9	1167.8	867.0	1005.6	878.8	808.0	905.4	1141.3	1297.6
17.5°	905.4	911.3	1049.9	1046.9	955.5	772.7	955.5	976.1	937.8	970.2	1085.3
20°	1061.7	1064.6	1055.8	819.8	837.5	946.7	822.8	819.8	867.0	1117.7	1262.2
22.5°	872.9	861.1	858.2	937.8	852.3	911.3	799.2	926.0	1005.6	996.8	952.6
25°	1094.1	1091.2	1046.9	816.9	872.9	772.7	934.9	784.5	870.0	1206.2	1262.2
27.5°	1023.3	982.0	908.3	943.7	813.9	905.4	831.6	949.6	1002.7	1238.6	1462.7
30°	1324.1	1294.6	1209.1	952.6	899.5	834.6	890.6	952.6	1141.3	1595.5	1672.1
32.5°	1748.8	1716.4	1409.7	1167.8	943.7	987.9	937.8	1117.7	1259.3	1627.9	1686.9
35°	1878.6	1834.3	1683.9	1415.6	1082.3	1049.9	999.7	1126.5	1277.0	1713.4	1713.4
37.5°	1952.3	1949.3	1878.6	1563.0	1220.9	1203.2	1076.4	1182.6	1347.7	1796.0	1778.3
40°	1964.1	1978.8	2011.3	1692.8	1386.1	1347.7	1176.7	1259.3	1448.0	1896.3	1860.9
42.5°	2061.4	2087.9	2161.7	1863.8	1551.2	1515.8	1294.6	1371.3	1557.1	2043.7	2034.9
45°	2217.7	2244.3	2309.1	2052.6	1695.7	1672.1	1486.3	1533.5	1734.1	2303.2	2220.7
47.5°	2542.1	2548.0	2521.5	2208.9	1852.0	1852.0	1672.1	1716.4	1893.3	2542.1	2462.5
50°	2866.5	2831.1	2713.2	2394.7	2008.3	2052.6	1863.8	1967.0	2073.2	2783.9	2674.8
52.5°	3046.4	3040.5	2881.3	2536.2	2144.0	2229.5	2085.0	2173.5	2238.4	3028.7	2875.4
55°	3052.3	3043.5	2934.3	2604.0	2270.8	2412.3	2306.2	2421.2	2468.4	3220.4	3149.6
57.5°	2955.0	2978.6	2922.5	2642.4	2332.7	2589.3	2574.5	2698.4	2722.0	3447.5	3338.4
60°	2801.6	2798.7	2866.5	2677.8	2427.1	2757.4	2822.3	2949.1	3075.9	3621.5	3506.5
62.5°	2418.2	2444.8	2636.5	2677.8	2530.3	2975.6	3099.5	3232.2	3388.5	3780.7	3656.9
65°	1893.3	1908.1	2208.9	2483.1	2559.8	3267.6	3379.6	3512.4	3677.5	3942.9	3825.0
67.5°	1144.2	1241.6	1501.1	2043.7	2409.4	3618.5	3825.0	3881.0	3975.4	4125.8	4072.7
70°	651.7	681.2	805.1	1285.8	2011.3	3730.6	4644.8	4544.5	4447.2	4482.6	4382.3
72.5°	495.4	513.1	569.2	760.9	1203.2	3294.1	5334.9	5706.5	5287.7	4854.2	4373.5
75°	359.8	377.5	433.5	613.4	790.4	2111.5	5264.1	6281.5	6039.7	4871.9	3954.7
77.5°	224.1	227.1	259.5	522.0	710.7	1058.7	4119.9	5594.4	5700.6	4550.4	3279.4
80°	156.3	159.3	165.1	280.2	654.7	849.3	2766.2	4108.1	4258.5	3167.3	1672.1
82.5°	112.1	118.0	123.9	165.1	424.7	811.0	1722.3	2586.3	2279.6	1147.2	678.3
85°	59.0	64.9	79.6	100.3	171.0	881.8	1032.2	1315.3	1041.0	466.0	404.0
87.5°	23.6	20.6	17.7	26.5	47.2	339.1	401.1	442.4	342.1	262.5	321.4
90°	20.6	17.7	11.8	14.7	20.6	120.9	253.6	283.1	235.9	256.6	324.4
92.5°	20.6	17.7	11.8	11.8	20.6	120.9	303.8	309.7	244.8	262.5	339.1
95°	20.6	20.6	11.8	11.8	20.6	109.1	359.8	353.9	253.6	277.2	359.8
97.5°	20.6	20.6	8.8	11.8	20.6	73.7	371.6	383.4	247.7	197.6	297.9
100°	20.6	20.6	8.8	8.8	17.7	47.2	259.5	280.2	182.8	64.9	73.7
102.5°	20.6	20.6	8.8	8.8	11.8	32.4	115.0	138.6	109.1	20.6	23.6
105°	20.6	23.6	5.9	5.9	8.8	17.7	50.1	56.0	44.2	14.7	26.5
107.5°	23.6	26.5	5.9	5.9	5.9	8.8	17.7	20.6	11.8	11.8	26.5
110°	26.5	26.5	5.9	5.9	5.9	8.8	5.9	5.9	8.8	11.8	29.5

REPORT NUMBER: P561344

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	20.6	17.7	2.9	5.9	5.9	5.9	5.9	5.9	5.9	11.8	29.5
115°	11.8	8.8	2.9	5.9	5.9	5.9	2.9	5.9	8.8	11.8	26.5
117.5°	11.8	8.8	2.9	2.9	2.9	5.9	2.9	2.9	8.8	14.7	32.4
120°	8.8	8.8	2.9	2.9	2.9	2.9	2.9	5.9	5.9	20.6	44.2
122.5°	8.8	8.8	2.9	2.9	2.9	2.9	2.9	5.9	5.9	20.6	44.2
125°	11.8	11.8	5.9	2.9	2.9	2.9	2.9	5.9	5.9	17.7	41.3
127.5°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	5.9	5.9	14.7	32.4
130°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	5.9	2.9	14.7	26.5
132.5°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	2.9	2.9	8.8	20.6
135°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	14.7
137.5°	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9
140°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9
150°	5.9	5.9	11.8	8.8	5.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	11.8	11.8	11.8	8.8	2.9	2.9	5.9	8.8	2.9	2.9	2.9
155°	8.8	8.8	8.8	2.9	2.9	2.9	2.9	2.9	5.9	8.8	8.8
157.5°	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P561344

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5	1996.5
2.5°	1984.7	1990.6	1984.7	1978.8	1972.9	1955.2	1834.3	1686.9	1675.1	1686.9	1681.0
5°	1934.6	1934.6	1931.6	1728.2	1607.2	1571.9	1563.0	1554.2	1536.5	1527.6	1533.5
7.5°	1669.2	1660.3	1557.1	1374.3	1489.3	1448.0	1424.4	1412.6	1235.7	1170.8	1176.7
10°	1394.9	1394.9	1159.0	1094.1	1088.2	1105.9	1226.8	1218.0	1194.4	1179.6	1194.4
12.5°	1203.2	1253.4	920.1	985.0	799.2	884.7	967.3	1026.3	846.4	796.3	805.1
15°	1277.0	1259.3	1011.5	772.7	704.8	743.2	595.7	746.1	734.3	710.7	707.8
17.5°	1114.8	1023.3	843.4	725.5	696.0	524.9	510.2	527.9	483.6	442.4	463.0
20°	1212.1	1161.9	893.6	645.8	536.7	477.8	359.8	336.2	427.6	448.3	445.3
22.5°	1011.5	843.4	731.4	642.9	433.5	342.1	271.3	297.9	318.5	339.1	348.0
25°	1188.5	1097.1	799.2	480.7	350.9	250.7	244.8	221.2	333.2	380.4	377.5
27.5°	1371.3	1241.6	769.7	451.2	253.6	215.3	197.6	224.1	233.0	262.5	280.2
30°	1533.5	1377.2	890.6	418.8	212.3	162.2	176.9	182.8	227.1	244.8	244.8
32.5°	1527.6	1338.9	796.3	356.8	174.0	147.5	147.5	174.0	200.5	241.8	244.8
35°	1524.7	1309.4	710.7	277.2	153.4	129.8	135.7	165.1	200.5	224.1	227.1
37.5°	1560.1	1300.5	625.2	224.1	138.6	123.9	129.8	156.3	215.3	238.9	238.9
40°	1613.1	1306.4	539.7	191.7	132.7	120.9	123.9	165.1	194.6	215.3	215.3
42.5°	1775.3	1392.0	466.0	176.9	132.7	118.0	118.0	153.4	197.6	233.0	235.9
45°	1896.3	1459.8	409.9	176.9	129.8	112.1	123.9	153.4	174.0	256.6	274.3
47.5°	2090.9	1583.7	356.8	176.9	129.8	109.1	115.0	150.4	182.8	294.9	306.7
50°	2285.5	1707.5	333.2	176.9	129.8	106.2	129.8	144.5	182.8	306.7	315.6
52.5°	2492.0	1860.9	318.5	176.9	129.8	112.1	141.6	174.0	197.6	274.3	271.3
55°	2704.3	1996.5	309.7	182.8	129.8	112.1	153.4	162.2	168.1	212.3	218.2
57.5°	2901.9	2161.7	327.3	182.8	126.8	118.0	144.5	159.3	147.5	185.8	188.7
60°	3058.2	2312.1	371.6	176.9	123.9	118.0	147.5	174.0	165.1	203.5	209.4
62.5°	3238.1	2471.3	474.8	179.9	123.9	120.9	165.1	188.7	168.1	200.5	212.3
65°	3474.0	2713.2	589.8	197.6	126.8	126.8	168.1	203.5	168.1	197.6	197.6
67.5°	3739.4	2937.3	589.8	230.0	135.7	135.7	168.1	215.3	179.9	197.6	197.6
70°	3934.1	2949.1	486.6	253.6	147.5	144.5	174.0	224.1	182.8	218.2	215.3
72.5°	3718.8	2627.6	404.0	250.7	159.3	150.4	197.6	230.0	185.8	247.7	244.8
75°	3264.6	2167.6	350.9	224.1	144.5	153.4	206.4	235.9	188.7	259.5	253.6
77.5°	2574.5	1580.7	297.9	188.7	126.8	147.5	212.3	241.8	194.6	274.3	271.3
80°	1247.5	793.3	241.8	159.3	115.0	141.6	212.3	238.9	191.7	283.1	283.1
82.5°	563.3	395.2	165.1	109.1	115.0	144.5	218.2	241.8	191.7	277.2	274.3
85°	365.7	271.3	106.2	85.5	115.0	165.1	221.2	230.0	182.8	256.6	256.6
87.5°	274.3	188.7	56.0	53.1	126.8	179.9	221.2	212.3	176.9	241.8	235.9
90°	280.2	200.5	59.0	53.1	135.7	182.8	221.2	209.4	171.0	218.2	218.2
92.5°	303.8	221.2	67.8	59.0	138.6	165.1	209.4	188.7	159.3	188.7	185.8
95°	330.3	247.7	79.6	67.8	120.9	120.9	165.1	153.4	135.7	144.5	144.5
97.5°	241.8	176.9	70.8	73.7	91.4	76.7	109.1	103.2	70.8	64.9	61.9
100°	70.8	59.0	64.9	70.8	64.9	56.0	82.6	79.6	47.2	23.6	23.6
102.5°	26.5	29.5	59.0	64.9	50.1	41.3	59.0	64.9	38.3	5.9	8.8
105°	23.6	20.6	41.3	50.1	29.5	23.6	29.5	41.3	23.6	5.9	5.9
107.5°	26.5	20.6	20.6	26.5	11.8	11.8	11.8	14.7	8.8	5.9	5.9
110°	26.5	20.6	11.8	11.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9



REPORT NUMBER: P561344

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.5	20.6	11.8	11.8	8.8	8.8	5.9	5.9	8.8	14.7	14.7
115°	29.5	23.6	11.8	8.8	5.9	8.8	5.9	2.9	8.8	20.6	20.6
117.5°	35.4	26.5	8.8	8.8	5.9	5.9	5.9	2.9	8.8	26.5	29.5
120°	44.2	32.4	11.8	5.9	5.9	5.9	5.9	2.9	11.8	29.5	32.4
122.5°	44.2	35.4	11.8	5.9	5.9	2.9	2.9	5.9	11.8	29.5	32.4
125°	41.3	32.4	11.8	5.9	5.9	2.9	2.9	2.9	14.7	29.5	32.4
127.5°	32.4	29.5	11.8	5.9	2.9	2.9	2.9	5.9	11.8	26.5	26.5
130°	26.5	23.6	8.8	5.9	2.9	2.9	2.9	2.9	11.8	20.6	23.6
132.5°	20.6	17.7	8.8	5.9	2.9	2.9	2.9	2.9	11.8	20.6	20.6
135°	14.7	14.7	5.9	2.9	2.9	2.9	2.9	2.9	8.8	14.7	17.7
137.5°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	5.9	8.8	8.8
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	5.9	5.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	5.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	5.9	5.9
155°	8.8	8.8	8.8	5.9	2.9	0.0	0.0	0.0	2.9	2.9	5.9
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	2.9	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)