

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: P561356

Luminaire Tested: **SDL-PA1-90-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7607.2 lumens
Efficiency: N/A
Efficacy: 82.3 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: B2 - 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

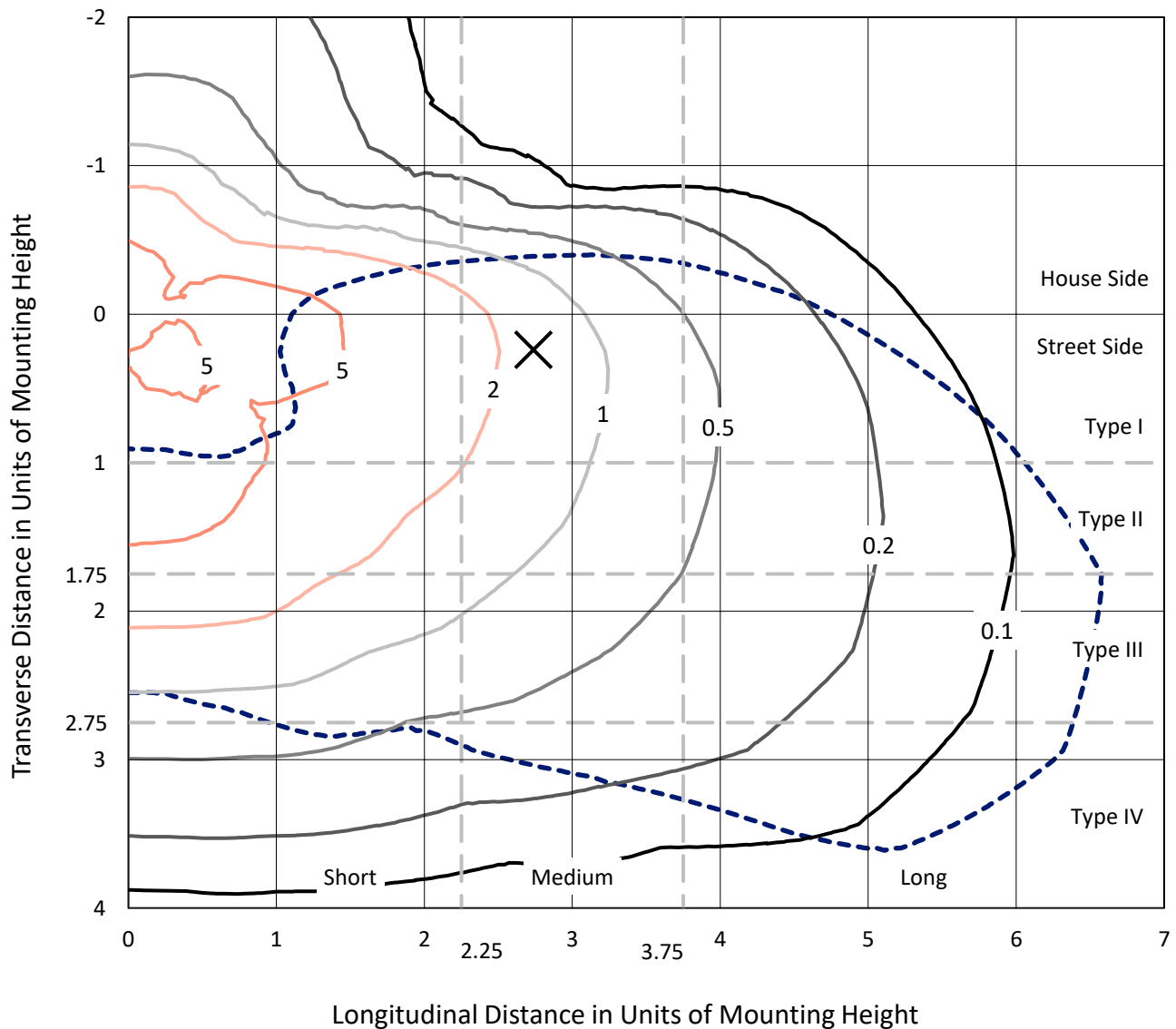


REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

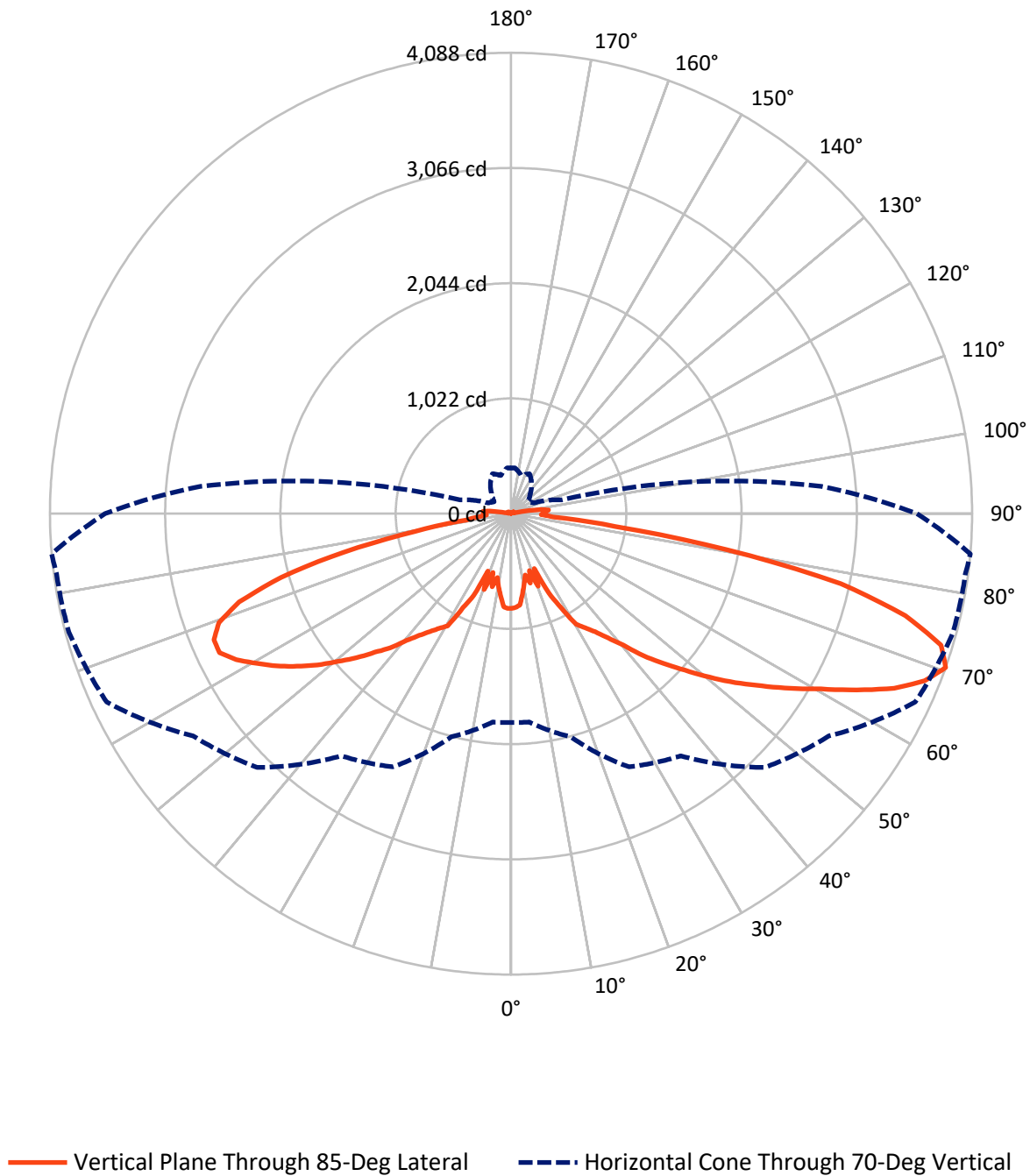


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

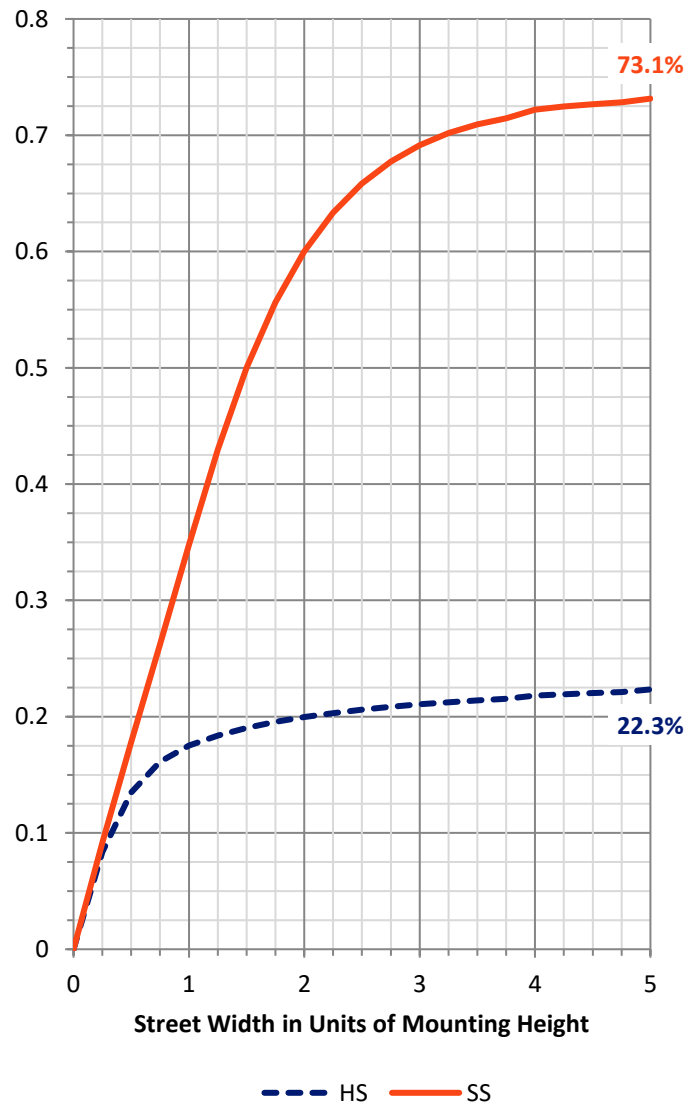
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1788.6	115.1	1903.7
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5606.2	97.3	5703.5
	% Fixture	73.7	1.3	75.0
Total	Lumens	7394.8	212.4	7607.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	0.9
10°-20°	167.8	2.2
20°-30°	305.7	4.0
30°-40°	578.0	7.6
40°-50°	965.9	12.7
50°-60°	1507.6	19.8
60°-70°	1869.5	24.6
70°-80°	1527.4	20.1
80°-90°	404.3	5.3
90°-100°	153.5	2.0
100°-110°	32.7	0.4
110°-120°	10.6	0.1
120°-130°	8.2	0.1
130°-140°	3.9	0.1
140°-150°	1.8	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7394.8	97.2
0°-180°	7607.2	100.0

Coefficient of Utilization



REPORT NUMBER: P561356

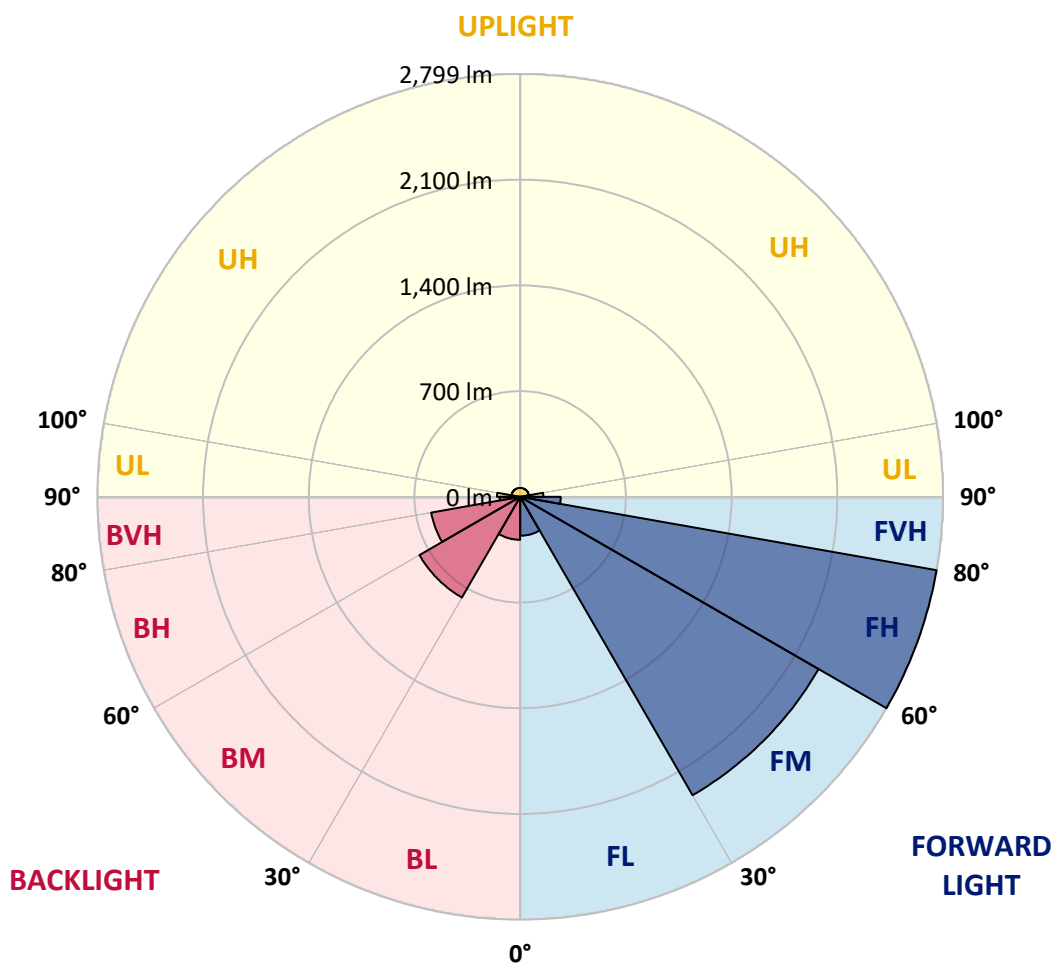
CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.7	3.4			
FM	(30°-60°)	2281.1	30.0			
FH	(60°-80°)	2799.3	36.8			G2/5000
FVH	(80°-90°)	268.2	3.5			G3/500
BL	(0°-30°)	284.5	3.7	B1/500		
BM	(30°-60°)	770.4	10.1	B1/1000		
BH	(60°-80°)	597.6	7.9	B2/1000		G2/1000
BVH	(80°-90°)	136.1	1.8			G2/225
UL	(90°-100°)	153.5	2.0		U3/500	
UH	(100°-180°)	58.9	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5
2.5°	696.0	763.8	752.0	772.7	784.5	802.2	814.0	819.9	825.7	831.6	831.6
5°	645.9	648.8	651.8	654.7	660.6	669.4	678.3	772.7	802.2	814.0	814.0
7.5°	589.8	586.9	598.7	613.4	634.1	645.9	654.7	657.6	690.1	716.6	722.5
10°	586.9	589.8	589.8	595.7	560.3	557.4	516.1	519.0	563.3	631.1	634.1
12.5°	510.2	524.9	557.4	581.0	545.6	489.6	480.7	504.3	471.9	554.4	557.4
15°	569.2	566.2	566.2	542.6	460.1	483.7	430.6	448.3	548.5	625.2	640.0
17.5°	495.4	489.6	548.5	530.8	477.8	404.0	483.7	477.8	495.4	539.7	530.8
20°	622.3	616.4	604.6	460.1	483.7	507.2	492.5	460.1	581.0	648.8	687.1
22.5°	581.0	586.9	616.4	583.9	498.4	522.0	466.0	566.2	548.5	522.0	527.9
25°	793.3	787.4	757.9	572.1	595.7	486.6	569.2	504.3	696.0	772.7	778.6
27.5°	731.4	722.5	701.9	719.6	604.6	637.0	554.4	660.6	769.7	905.4	946.7
30°	970.3	961.4	937.8	725.5	719.6	631.1	672.4	811.0	1038.1	1141.3	1138.4
32.5°	1250.4	1185.5	1041.0	929.0	769.7	819.9	769.7	955.5	1105.9	1206.2	1206.2
35°	1421.5	1409.7	1333.0	1079.4	896.5	893.6	884.7	1052.8	1220.9	1291.7	1285.8
37.5°	1566.0	1586.6	1530.6	1250.4	1011.5	1035.1	990.9	1185.5	1362.5	1403.8	1397.9
40°	1766.5	1760.6	1731.1	1397.9	1153.1	1150.1	1117.7	1344.8	1518.8	1548.3	1533.5
42.5°	2064.4	2031.9	1943.5	1595.5	1303.5	1303.5	1244.5	1495.2	1710.5	1713.4	1722.3
45°	2430.1	2415.3	2259.0	1902.2	1498.1	1495.2	1397.9	1654.4	1905.1	1919.9	1893.3
47.5°	2683.7	2639.4	2562.8	2182.3	1799.0	1731.1	1583.7	1810.7	2138.1	2126.3	2073.2
50°	2934.4	2899.0	2828.2	2489.0	2111.6	1975.9	1757.7	1972.9	2362.2	2329.8	2279.7
52.5°	3149.6	3102.5	3025.8	2739.7	2385.8	2279.7	1958.2	2120.4	2589.3	2536.2	2489.0
55°	3273.5	3176.2	3182.1	2963.8	2592.3	2506.7	2182.3	2359.3	2810.5	2733.8	2695.5
57.5°	3120.1	3114.3	3211.6	3102.5	2781.0	2695.5	2421.2	2598.2	3040.5	2940.3	2922.6
60°	2966.8	2984.5	3123.1	3143.7	2928.5	2866.5	2627.6	2937.3	3264.7	3155.5	3155.5
62.5°	2754.5	2804.6	2999.2	3158.5	2943.2	3034.6	2842.9	3226.3	3509.4	3409.2	3441.6
65°	2512.6	2512.6	2736.8	3037.6	2896.0	3146.7	3081.8	3541.9	3724.7	3665.7	3733.6
67.5°	2182.3	2188.2	2421.2	2801.6	2810.5	3202.7	3273.5	3789.6	3948.8	3904.6	3954.7
70°	1852.0	1855.0	2049.6	2477.2	2621.8	3182.1	3438.7	3954.7	4058.0	4063.9	4087.5
72.5°	1386.1	1436.2	1619.1	2011.3	2294.4	3096.6	3524.2	4001.9	4055.0	4063.9	3987.2
75°	746.1	769.7	973.2	1309.4	1704.6	2745.6	3497.6	3951.8	3913.5	3810.2	3609.7
77.5°	259.5	271.3	342.1	572.1	967.3	1943.5	3244.0	3733.6	3609.7	3285.3	2990.4
80°	168.1	168.1	185.8	274.3	439.4	920.1	2518.5	3199.8	2907.8	2214.8	1940.5
82.5°	118.0	120.9	135.7	182.8	283.1	395.2	1309.4	1625.0	1601.4	1103.0	929.0
85°	85.5	88.5	94.4	106.2	194.6	244.8	510.2	781.5	722.5	395.2	371.6
87.5°	38.3	44.2	38.3	47.2	76.7	150.4	244.8	241.8	230.0	262.5	268.4
90°	29.5	29.5	23.6	26.5	53.1	135.7	227.1	218.2	233.0	286.1	283.1
92.5°	29.5	29.5	23.6	26.5	50.1	135.7	238.9	212.3	241.8	306.7	309.7
95°	29.5	32.4	23.6	23.6	41.3	138.6	253.6	227.1	256.6	333.2	333.2
97.5°	26.5	26.5	17.7	20.6	32.4	126.8	253.6	194.6	188.7	268.4	265.4
100°	20.6	23.6	11.8	17.7	23.6	76.7	188.7	120.9	53.1	61.9	94.4
102.5°	20.6	20.6	11.8	14.7	17.7	32.4	100.3	70.8	14.7	20.6	20.6
105°	20.6	23.6	11.8	11.8	11.8	14.7	47.2	35.4	11.8	17.7	20.6
107.5°	23.6	23.6	8.8	8.8	8.8	8.8	17.7	14.7	11.8	20.6	23.6
110°	23.6	23.6	8.8	8.8	5.9	5.9	8.8	8.8	11.8	20.6	23.6



REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	20.6	20.6	8.8	8.8	5.9	5.9	5.9	8.8	11.8	17.7	20.6
115°	14.7	14.7	5.9	8.8	5.9	5.9	5.9	8.8	8.8	14.7	17.7
117.5°	14.7	11.8	5.9	5.9	2.9	5.9	5.9	8.8	11.8	20.6	20.6
120°	14.7	14.7	5.9	2.9	2.9	2.9	2.9	5.9	14.7	23.6	26.5
122.5°	14.7	14.7	5.9	2.9	2.9	2.9	2.9	5.9	14.7	23.6	26.5
125°	17.7	14.7	8.8	2.9	2.9	2.9	2.9	2.9	11.8	20.6	23.6
127.5°	14.7	14.7	8.8	2.9	2.9	2.9	2.9	2.9	8.8	17.7	20.6
130°	14.7	14.7	8.8	2.9	2.9	2.9	2.9	2.9	8.8	14.7	14.7
132.5°	11.8	11.8	8.8	2.9	2.9	2.9	2.9	2.9	5.9	11.8	11.8
135°	11.8	11.8	5.9	2.9	2.9	2.9	2.9	2.9	2.9	8.8	8.8
137.5°	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140°	0.0	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	8.8	8.8	8.8	5.9	5.9	2.9	5.9	2.9	2.9	2.9	2.9
152.5°	8.8	8.8	11.8	5.9	2.9	2.9	2.9	5.9	2.9	2.9	2.9
155°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	8.8
157.5°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	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: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5	840.5
2.5°	834.6	840.5	843.4	852.3	852.3	852.3	831.6	781.5	781.5	784.5	787.4
5°	822.8	828.7	840.5	799.2	757.9	755.0	769.7	778.6	781.5	784.5	778.6
7.5°	728.4	740.2	734.3	737.3	757.9	778.6	796.3	784.5	755.0	734.3	740.2
10°	648.8	660.6	595.7	601.6	625.2	684.2	781.5	814.0	834.6	843.4	843.4
12.5°	569.2	578.0	522.0	604.6	563.3	654.7	760.9	840.5	760.9	728.4	728.4
15°	651.8	669.4	601.6	536.7	548.5	663.5	583.9	802.2	825.7	831.6	837.5
17.5°	557.4	545.6	557.4	566.2	616.4	516.1	669.4	755.0	707.8	690.1	698.9
20°	701.9	713.7	651.8	557.4	563.3	657.6	595.7	675.3	805.1	808.1	814.0
22.5°	533.8	548.5	583.9	663.5	581.0	637.0	628.2	701.9	657.6	660.6	684.2
25°	784.5	796.3	734.3	592.8	634.1	575.1	634.1	625.2	737.3	743.2	743.2
27.5°	961.4	934.9	802.2	669.4	557.4	607.5	572.1	595.7	569.2	648.8	660.6
30°	1144.3	1144.3	1041.0	746.1	589.8	516.1	522.0	566.2	631.1	642.9	642.9
32.5°	1200.3	1197.3	1064.6	808.1	581.0	533.8	480.7	533.8	645.9	701.9	707.8
35°	1279.9	1268.1	1105.9	787.4	560.3	486.6	454.2	536.7	619.3	628.2	622.3
37.5°	1380.2	1350.7	1156.0	749.1	513.1	457.1	436.5	483.7	554.4	554.4	554.4
40°	1504.0	1456.9	1173.7	696.0	463.0	418.8	398.1	448.3	495.4	468.9	460.1
42.5°	1672.1	1601.4	1188.5	657.6	418.8	386.3	359.8	407.0	430.6	415.8	409.9
45°	1828.4	1722.3	1212.1	616.4	383.4	356.8	333.2	374.5	392.2	377.5	374.5
47.5°	2014.2	1872.7	1215.0	578.0	356.8	333.2	315.6	350.9	362.7	362.7	359.8
50°	2205.9	2017.2	1238.6	545.6	330.3	309.7	306.7	333.2	342.1	336.2	333.2
52.5°	2424.2	2179.4	1247.5	504.3	297.9	283.1	297.9	315.6	342.1	345.0	345.0
55°	2657.1	2329.8	1241.6	448.3	274.3	268.4	289.0	327.4	350.9	333.2	330.3
57.5°	2884.2	2480.2	1244.5	386.3	250.7	262.5	292.0	342.1	359.8	339.1	330.3
60°	3087.7	2615.9	1203.2	330.3	233.0	247.7	303.8	356.8	350.9	356.8	348.0
62.5°	3338.4	2757.4	1085.3	294.9	218.2	241.8	303.8	365.7	342.1	365.7	365.7
65°	3544.8	2863.6	917.2	265.4	206.4	241.8	306.7	368.6	333.2	371.6	371.6
67.5°	3633.3	2860.6	663.5	241.8	191.7	235.9	306.7	380.4	342.1	383.4	380.4
70°	3597.9	2763.3	468.9	224.1	182.8	238.9	318.5	389.3	350.9	407.0	404.0
72.5°	3359.0	2533.3	339.1	209.4	171.0	227.1	327.4	401.1	359.8	442.4	442.4
75°	2957.9	2117.5	274.3	194.6	159.3	224.1	330.3	407.0	365.7	448.3	448.3
77.5°	2262.0	1521.7	230.0	179.9	147.5	218.2	327.4	415.8	362.7	448.3	448.3
80°	1356.6	867.0	191.7	162.2	150.4	215.3	333.2	415.8	362.7	442.4	442.4
82.5°	625.2	398.1	171.0	135.7	141.6	212.3	339.1	409.9	348.0	442.4	424.7
85°	348.0	280.2	147.5	115.0	126.8	200.5	321.5	368.6	312.6	365.7	359.8
87.5°	259.5	218.2	94.4	59.0	82.6	141.6	247.7	292.0	235.9	283.1	280.2
90°	277.2	230.0	85.5	59.0	88.5	129.8	233.0	259.5	218.2	262.5	259.5
92.5°	297.9	241.8	85.5	61.9	100.3	141.6	233.0	253.6	215.3	238.9	241.8
95°	312.6	250.7	82.6	67.8	106.2	153.4	227.1	233.0	197.6	206.4	215.3
97.5°	244.8	188.7	73.7	70.8	103.2	123.9	185.8	182.8	135.7	126.8	126.8
100°	76.7	53.1	64.9	73.7	61.9	59.0	109.1	129.8	79.6	53.1	50.1
102.5°	23.6	20.6	59.0	70.8	47.2	26.5	59.0	82.6	59.0	8.8	11.8
105°	23.6	23.6	38.3	59.0	32.4	11.8	23.6	44.2	35.4	8.8	8.8
107.5°	23.6	20.6	14.7	32.4	11.8	8.8	11.8	11.8	11.8	8.8	8.8
110°	23.6	23.6	11.8	11.8	8.8	8.8	8.8	5.9	5.9	14.7	14.7



REPORT NUMBER: P561356

CATALOG NUMBER: SDL-PA1-90-830-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.6	23.6	11.8	11.8	8.8	8.8	5.9	5.9	8.8	20.6	20.6
115°	20.6	20.6	11.8	8.8	5.9	8.8	5.9	5.9	8.8	23.6	23.6
117.5°	23.6	23.6	11.8	8.8	5.9	5.9	5.9	2.9	8.8	26.5	29.5
120°	29.5	26.5	14.7	5.9	5.9	5.9	5.9	5.9	11.8	23.6	26.5
122.5°	29.5	29.5	14.7	5.9	2.9	2.9	2.9	5.9	11.8	23.6	26.5
125°	26.5	26.5	14.7	5.9	2.9	2.9	2.9	2.9	11.8	20.6	20.6
127.5°	23.6	23.6	11.8	5.9	2.9	2.9	2.9	2.9	8.8	17.7	20.6
130°	17.7	17.7	8.8	5.9	2.9	2.9	2.9	2.9	8.8	14.7	17.7
132.5°	14.7	14.7	8.8	5.9	2.9	2.9	2.9	2.9	8.8	11.8	14.7
135°	8.8	8.8	5.9	2.9	2.9	2.9	2.9	2.9	5.9	8.8	11.8
137.5°	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9
140°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	8.8	5.9
152.5°	2.9	2.9	2.9	5.9	2.9	0.0	0.0	5.9	5.9	8.8	8.8
155°	8.8	8.8	5.9	2.9	2.9	0.0	0.0	0.0	5.9	5.9	5.9
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	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	0.0	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)