

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: P561357

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5667 lumens
Efficiency: N/A
Efficacy: 61.3 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: B1 - U3 - 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

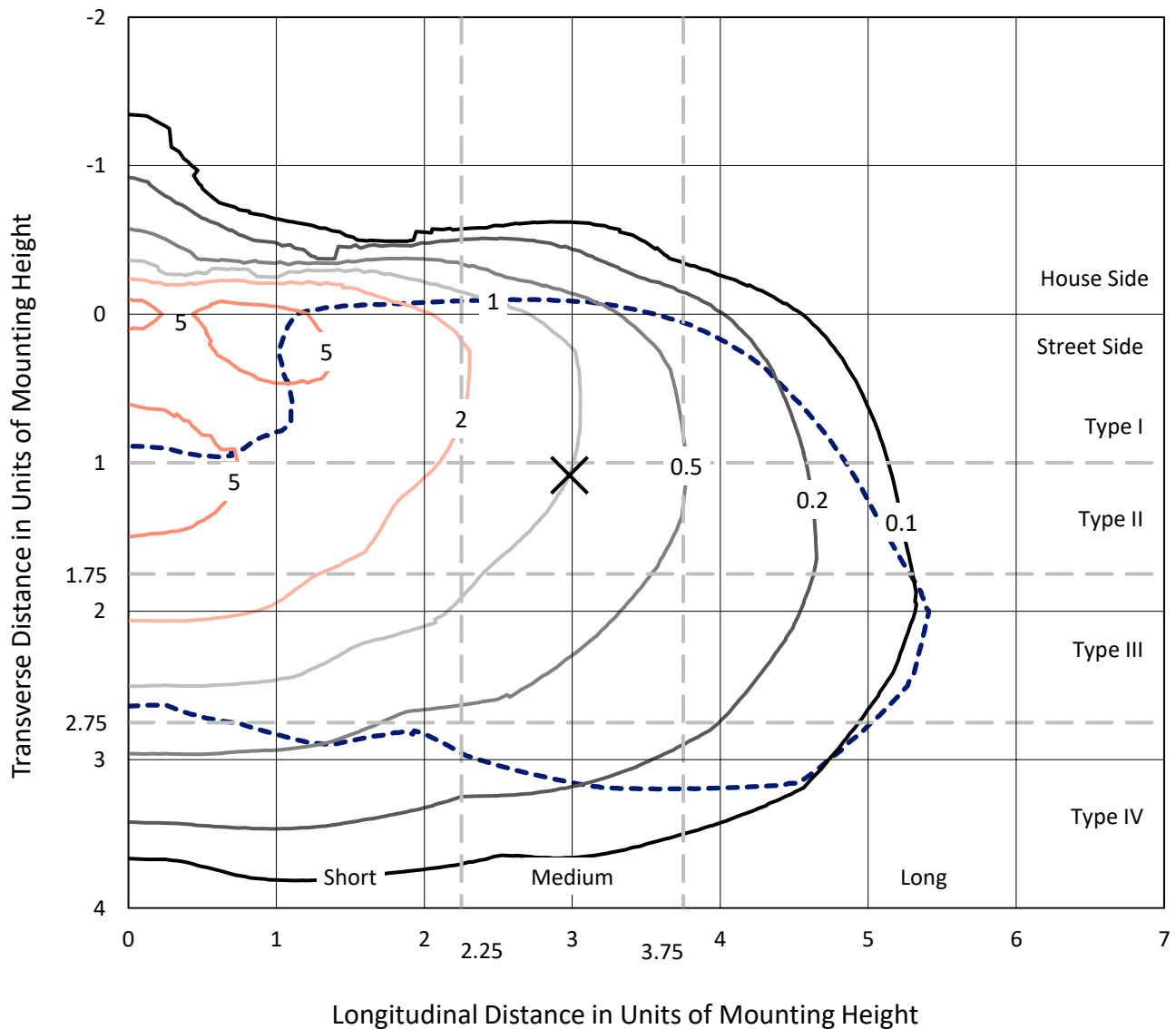


REPORT NUMBER: P561357

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

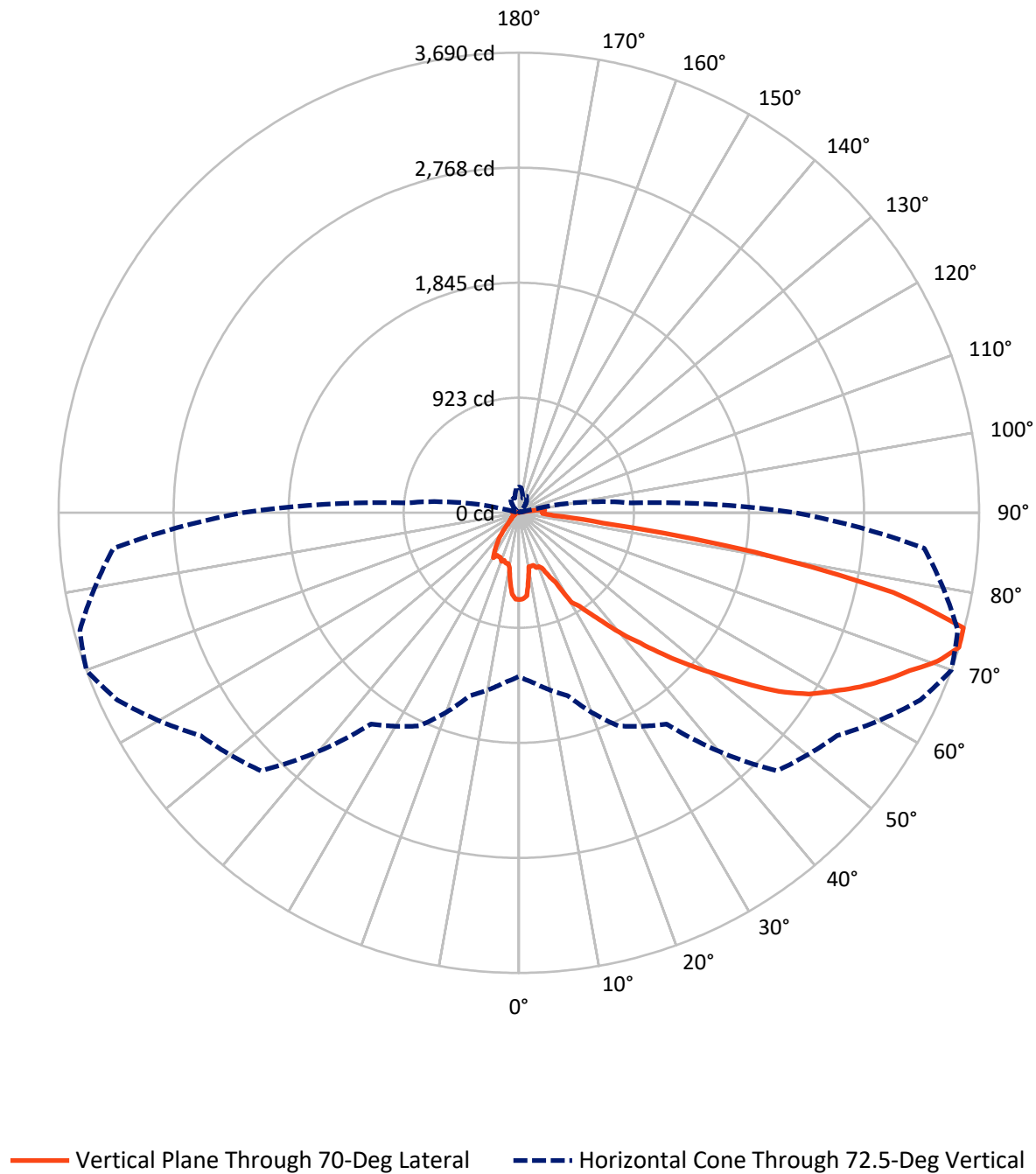


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P561357

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

Luminous Intensity Polar Plot



REPORT NUMBER: P561357

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

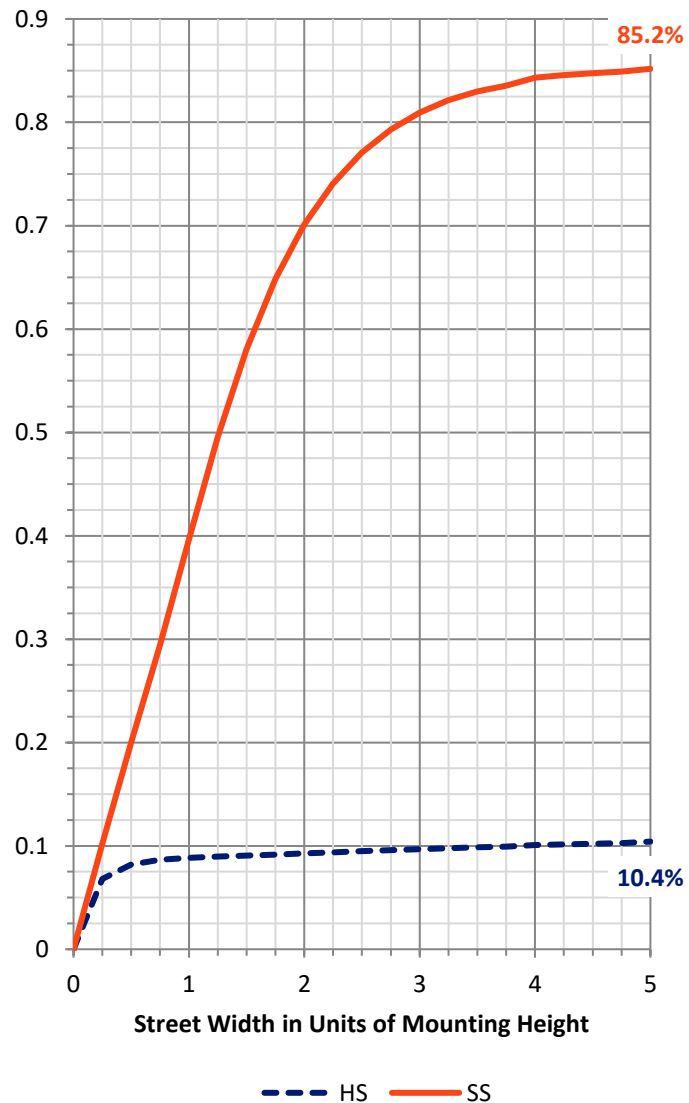
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.6	91.3	740.9
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4852.2	73.9	4926.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	5501.8	165.2	5667.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	0.9
10°-20°	106.1	1.9
20°-30°	171.9	3.0
30°-40°	367.3	6.5
40°-50°	722.1	12.7
50°-60°	1205.9	21.3
60°-70°	1496.7	26.4
70°-80°	1152.6	20.3
80°-90°	225.4	4.0
90°-100°	122.3	2.2
100°-110°	25.3	0.4
110°-120°	7.2	0.1
120°-130°	5.5	0.1
130°-140°	2.6	0.0
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5501.8	97.1
0°-180°	5667.0	100.0

Coefficient of Utilization



REPORT NUMBER: P561357

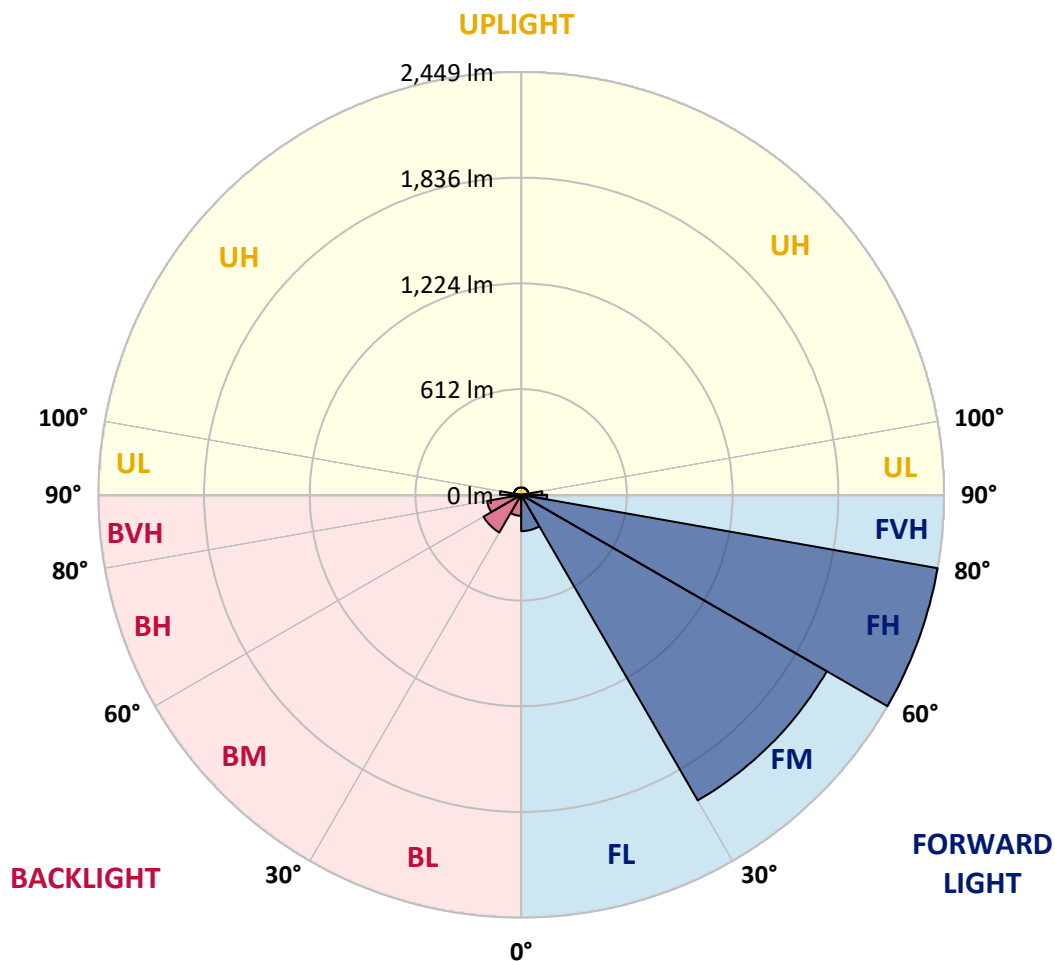
CATALOG NUMBER: SDL-PA1-90-830-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.2	3.7			
FM	(30°-60°)	2043.5	36.1			
FH	(60°-80°)	2448.5	43.2			G2/5000
FVH	(80°-90°)	150.0	2.6			G2/225
BL	(0°-30°)	121.5	2.1	B1/500		
BM	(30°-60°)	251.9	4.4	B1/1000		
BH	(60°-80°)	200.8	3.5	B1/500		G1/500
BVH	(80°-90°)	75.4	1.3			G1/100
UL	(90°-100°)	122.3	2.2		U3/500	
UH	(100°-180°)	42.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P561357

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	587.0	651.9	654.8	660.7	666.6	675.5	690.2	690.2	690.2	690.2	693.2
5°	557.5	557.5	557.5	563.4	563.4	569.3	572.2	660.7	669.6	678.4	678.4
7.5°	463.1	507.3	510.3	528.0	548.6	557.5	563.4	557.5	548.6	584.0	598.8
10°	507.3	507.3	507.3	513.2	483.7	469.0	433.6	436.5	439.5	466.0	530.9
12.5°	421.8	448.3	474.9	504.4	466.0	418.8	410.0	433.6	439.5	392.3	466.0
15°	492.6	489.6	489.6	463.1	386.4	418.8	365.8	386.4	436.5	477.8	554.5
17.5°	407.0	395.2	460.1	454.2	412.9	330.4	421.8	418.8	463.1	427.7	477.8
20°	483.7	480.8	480.8	371.7	410.0	445.4	439.5	410.0	460.1	513.2	604.7
22.5°	407.0	401.1	412.9	445.4	407.0	460.1	401.1	507.3	483.7	469.0	439.5
25°	513.2	510.3	510.3	407.0	460.1	421.8	507.3	463.1	560.4	610.6	666.6
27.5°	460.1	460.1	439.5	471.9	439.5	530.9	486.7	584.0	634.2	666.6	805.2
30°	637.1	640.1	604.7	469.0	489.6	498.5	575.2	722.7	831.8	911.4	997.0
32.5°	917.3	899.6	752.1	640.1	519.1	616.5	637.1	840.6	893.7	979.3	1053.0
35°	1247.7	1238.8	1109.1	828.8	625.3	660.7	710.9	914.4	997.0	1082.5	1126.7
37.5°	1474.8	1466.0	1383.4	1056.0	755.1	769.8	775.7	1017.6	1123.8	1209.3	1230.0
40°	1660.6	1645.9	1595.7	1232.9	929.1	899.6	870.1	1159.2	1280.1	1350.9	1359.8
42.5°	1940.8	1917.2	1790.4	1436.5	1106.1	1073.7	973.4	1283.1	1427.6	1522.0	1527.9
45°	2277.1	2256.4	2079.5	1719.6	1294.9	1286.0	1156.2	1442.4	1613.4	1725.5	1693.1
47.5°	2507.2	2451.1	2350.8	1991.0	1586.9	1510.2	1359.8	1604.6	1814.0	1982.1	1890.7
50°	2716.6	2675.3	2589.8	2291.8	1902.5	1799.3	1572.1	1790.4	2026.4	2179.8	2055.9
52.5°	2911.3	2849.3	2778.5	2516.0	2173.9	2123.7	1781.6	1976.2	2271.2	2398.0	2227.0
55°	3008.6	2911.3	2899.5	2719.5	2383.3	2342.0	2017.5	2206.3	2527.8	2616.3	2389.2
57.5°	2849.3	2846.4	2937.8	2843.4	2554.4	2533.7	2256.4	2454.1	2743.1	2784.4	2548.5
60°	2743.1	2746.1	2884.7	2890.6	2704.8	2716.6	2471.8	2740.2	2902.4	2929.0	2698.9
62.5°	2557.3	2578.0	2787.4	2923.1	2743.1	2890.6	2654.6	2937.8	3073.5	3082.3	2884.7
65°	2324.3	2344.9	2557.3	2834.6	2701.8	3005.6	2808.0	3159.0	3229.8	3235.7	3088.2
67.5°	2052.9	2061.8	2297.7	2604.5	2601.6	3046.9	2902.4	3306.5	3380.2	3397.9	3262.3
70°	1752.1	1740.3	1955.6	2309.5	2386.2	3026.3	3017.4	3451.0	3563.1	3560.2	3383.2
72.5°	1312.6	1368.6	1519.0	1884.8	2067.7	2926.0	3114.8	3551.3	3690.0	3642.8	3262.3
75°	448.3	477.8	884.9	1200.5	1592.8	2657.6	3135.4	3557.2	3681.1	3471.7	2669.4
77.5°	147.5	138.6	197.6	477.8	884.9	1840.6	2757.9	3103.0	3070.5	2698.9	1640.0
80°	70.8	73.7	88.5	168.1	324.5	834.7	1731.4	1964.4	1920.2	1415.8	710.9
82.5°	47.2	50.1	59.0	97.3	182.9	286.1	920.3	896.7	678.4	445.4	292.0
85°	20.6	20.6	29.5	50.1	112.1	188.8	351.0	306.8	277.3	256.6	238.9
87.5°	5.9	5.9	11.8	17.7	38.3	118.0	197.6	185.8	191.7	200.6	227.1
90°	5.9	5.9	5.9	5.9	29.5	123.9	200.6	188.8	188.8	200.6	238.9
92.5°	8.8	8.8	5.9	5.9	26.5	123.9	209.4	179.9	191.7	203.5	256.6
95°	8.8	11.8	5.9	2.9	20.6	126.8	215.3	191.7	209.4	206.5	274.3
97.5°	11.8	11.8	5.9	2.9	11.8	109.1	218.3	156.3	159.3	147.5	215.3
100°	14.7	14.7	5.9	5.9	8.8	56.0	162.2	100.3	61.9	47.2	70.8
102.5°	17.7	17.7	5.9	5.9	5.9	20.6	73.7	59.0	32.4	8.8	17.7
105°	17.7	20.6	5.9	5.9	2.9	8.8	32.4	23.6	11.8	8.8	17.7
107.5°	20.6	20.6	5.9	5.9	2.9	5.9	8.8	8.8	5.9	8.8	17.7
110°	20.6	20.6	8.8	5.9	2.9	5.9	2.9	5.9	5.9	8.8	20.6

REPORT NUMBER: P561357

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.7	14.7	5.9	8.8	2.9	2.9	2.9	5.9	5.9	8.8	17.7
115°	8.8	5.9	2.9	5.9	2.9	2.9	2.9	5.9	5.9	5.9	14.7
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	8.8	17.7
120°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	5.9	11.8	20.6
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	11.8	23.6
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.9	8.8	20.6
127.5°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	5.9	8.8	17.7
130°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	5.9	11.8
132.5°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	5.9	11.8
135°	2.9	2.9	2.9	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.9
137.5°	2.9	2.9	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
145°	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
147.5°	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	5.9	5.9	2.9	2.9
155°	2.9	2.9	2.9	0.0	0.0	2.9	2.9	2.9	2.9	5.9	5.9
157.5°	0.0	2.9	2.9	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	0.0	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: P561357

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	693.2	693.2	690.2	696.1	693.2	693.2	654.8	616.5	607.6	610.6	616.5
5°	681.4	681.4	681.4	634.2	581.1	563.4	569.3	569.3	569.3	566.3	572.2
7.5°	601.7	598.8	589.9	536.8	560.4	557.5	554.5	548.6	477.8	460.1	460.1
10°	533.9	533.9	457.2	436.5	436.5	454.2	466.0	448.3	439.5	424.7	421.8
12.5°	469.0	469.0	392.3	436.5	368.7	365.8	356.9	327.4	277.3	241.9	244.8
15°	557.5	557.5	463.1	371.7	309.7	292.0	182.9	171.1	165.2	162.2	159.3
17.5°	474.9	477.8	427.7	368.7	289.1	153.4	129.8	129.8	129.8	123.9	112.1
20°	601.7	601.7	498.5	330.4	218.3	120.9	100.3	88.5	120.9	120.9	120.9
22.5°	436.5	430.6	439.5	336.3	135.7	97.3	82.6	103.2	109.1	91.4	91.4
25°	660.7	651.9	533.9	241.9	112.1	76.7	91.4	79.6	103.2	103.2	103.2
27.5°	814.1	755.1	542.7	221.2	82.6	88.5	73.7	88.5	79.6	76.7	76.7
30°	979.3	952.7	654.8	174.0	79.6	73.7	76.7	70.8	82.6	76.7	76.7
32.5°	1032.4	1005.8	592.9	135.7	76.7	70.8	64.9	67.8	64.9	67.8	67.8
35°	1100.2	1073.7	525.0	103.2	70.8	61.9	59.0	59.0	56.0	53.1	53.1
37.5°	1197.5	1153.3	448.3	88.5	64.9	56.0	47.2	44.2	47.2	59.0	61.9
40°	1309.6	1235.9	354.0	79.6	56.0	47.2	35.4	41.3	50.1	50.1	50.1
42.5°	1471.9	1336.2	262.5	73.7	50.1	38.3	26.5	32.4	38.3	53.1	53.1
45°	1613.4	1395.2	185.8	67.8	41.3	29.5	20.6	32.4	41.3	47.2	47.2
47.5°	1778.6	1451.2	138.6	64.9	38.3	20.6	23.6	32.4	32.4	50.1	50.1
50°	1917.2	1463.0	112.1	59.0	29.5	14.7	29.5	29.5	35.4	44.2	44.2
52.5°	2047.0	1474.8	100.3	53.1	23.6	11.8	29.5	29.5	41.3	53.1	53.1
55°	2132.6	1439.4	91.4	47.2	20.6	8.8	32.4	32.4	32.4	41.3	41.3
57.5°	2200.4	1395.2	85.5	41.3	17.7	17.7	35.4	41.3	35.4	41.3	41.3
60°	2244.6	1315.5	73.7	38.3	14.7	17.7	44.2	53.1	41.3	61.9	61.9
62.5°	2324.3	1253.6	64.9	35.4	11.8	17.7	44.2	67.8	53.1	82.6	85.5
65°	2389.2	1197.5	56.0	26.5	11.8	23.6	50.1	85.5	64.9	103.2	106.2
67.5°	2415.7	1129.7	47.2	23.6	11.8	26.5	64.9	106.2	82.6	120.9	120.9
70°	2395.1	1058.9	38.3	23.6	11.8	41.3	85.5	123.9	100.3	147.5	150.4
72.5°	2215.2	902.6	29.5	23.6	8.8	44.2	106.2	147.5	120.9	200.6	206.5
75°	1696.0	572.2	29.5	23.6	11.8	50.1	123.9	171.1	144.5	224.2	233.0
77.5°	1035.3	265.5	29.5	26.5	14.7	61.9	135.7	197.6	159.3	241.9	247.8
80°	460.1	165.2	29.5	29.5	29.5	76.7	159.3	218.3	179.9	256.6	265.5
82.5°	230.1	123.9	26.5	29.5	44.2	91.4	188.8	233.0	185.8	265.5	268.4
85°	197.6	112.1	26.5	32.4	47.2	106.2	203.5	236.0	194.7	262.5	265.5
87.5°	188.8	106.2	32.4	32.4	53.1	112.1	209.4	247.8	200.6	253.7	250.7
90°	197.6	103.2	35.4	38.3	67.8	115.0	212.4	241.9	200.6	238.9	238.9
92.5°	203.5	100.3	38.3	44.2	82.6	129.8	209.4	236.0	200.6	221.2	221.2
95°	209.4	100.3	44.2	50.1	82.6	141.6	200.6	215.3	185.8	197.6	194.7
97.5°	159.3	73.7	53.1	56.0	76.7	109.1	162.2	168.1	120.9	118.0	115.0
100°	56.0	32.4	53.1	61.9	47.2	47.2	97.3	118.0	70.8	44.2	50.1
102.5°	17.7	14.7	47.2	61.9	38.3	17.7	50.1	73.7	53.1	5.9	5.9
105°	17.7	17.7	26.5	50.1	26.5	5.9	17.7	41.3	32.4	5.9	5.9
107.5°	17.7	14.7	11.8	29.5	8.8	5.9	8.8	8.8	8.8	2.9	5.9
110°	20.6	14.7	5.9	8.8	5.9	5.9	5.9	5.9	5.9	11.8	11.8

REPORT NUMBER: P561357

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	14.7	5.9	8.8	5.9	5.9	5.9	2.9	5.9	14.7	17.7
115°	17.7	14.7	5.9	5.9	5.9	5.9	2.9	2.9	5.9	17.7	17.7
117.5°	20.6	17.7	5.9	5.9	2.9	5.9	2.9	2.9	5.9	17.7	20.6
120°	23.6	20.6	5.9	5.9	2.9	2.9	2.9	2.9	5.9	14.7	17.7
122.5°	23.6	23.6	5.9	2.9	2.9	2.9	2.9	2.9	8.8	14.7	14.7
125°	20.6	20.6	5.9	2.9	2.9	2.9	2.9	2.9	8.8	14.7	14.7
127.5°	17.7	17.7	5.9	2.9	2.9	2.9	2.9	2.9	5.9	11.8	14.7
130°	14.7	14.7	5.9	2.9	2.9	2.9	0.0	2.9	5.9	11.8	11.8
132.5°	11.8	8.8	5.9	2.9	2.9	2.9	0.0	2.9	5.9	8.8	11.8
135°	8.8	8.8	2.9	2.9	2.9	2.9	0.0	0.0	5.9	5.9	8.8
137.5°	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	5.9	5.9
140°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
142.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
145°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	2.9	2.9	2.9
155°	5.9	5.9	5.9	2.9	2.9	0.0	0.0	0.0	0.0	2.9	2.9
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
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)