

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: P559926

Luminaire Tested: **SDL-PA1-100-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559926
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-PA1-100-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA 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: 7102.2 lumens
Efficiency: N/A
Efficacy: 75.7 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): 93.8
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

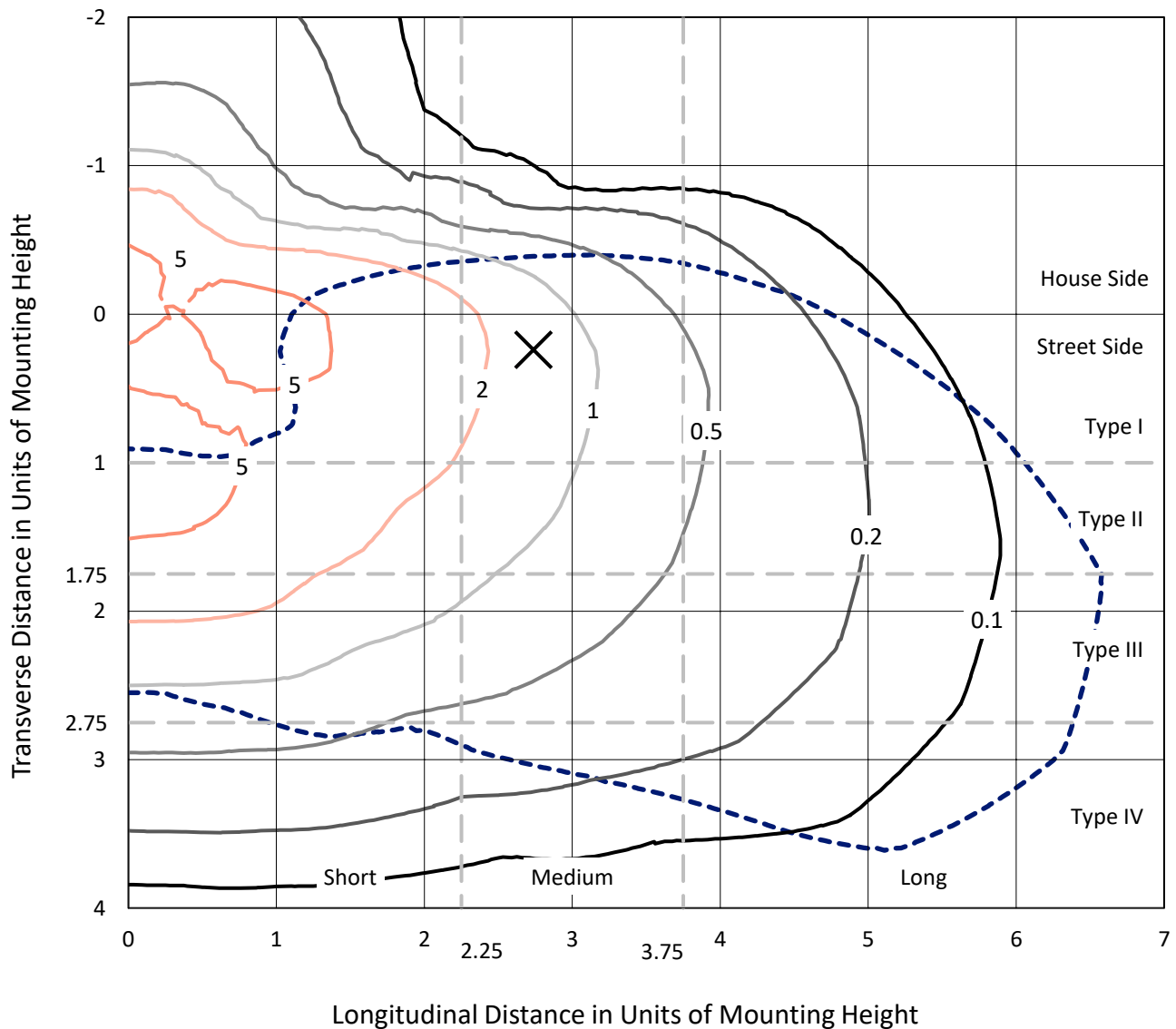


REPORT NUMBER: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

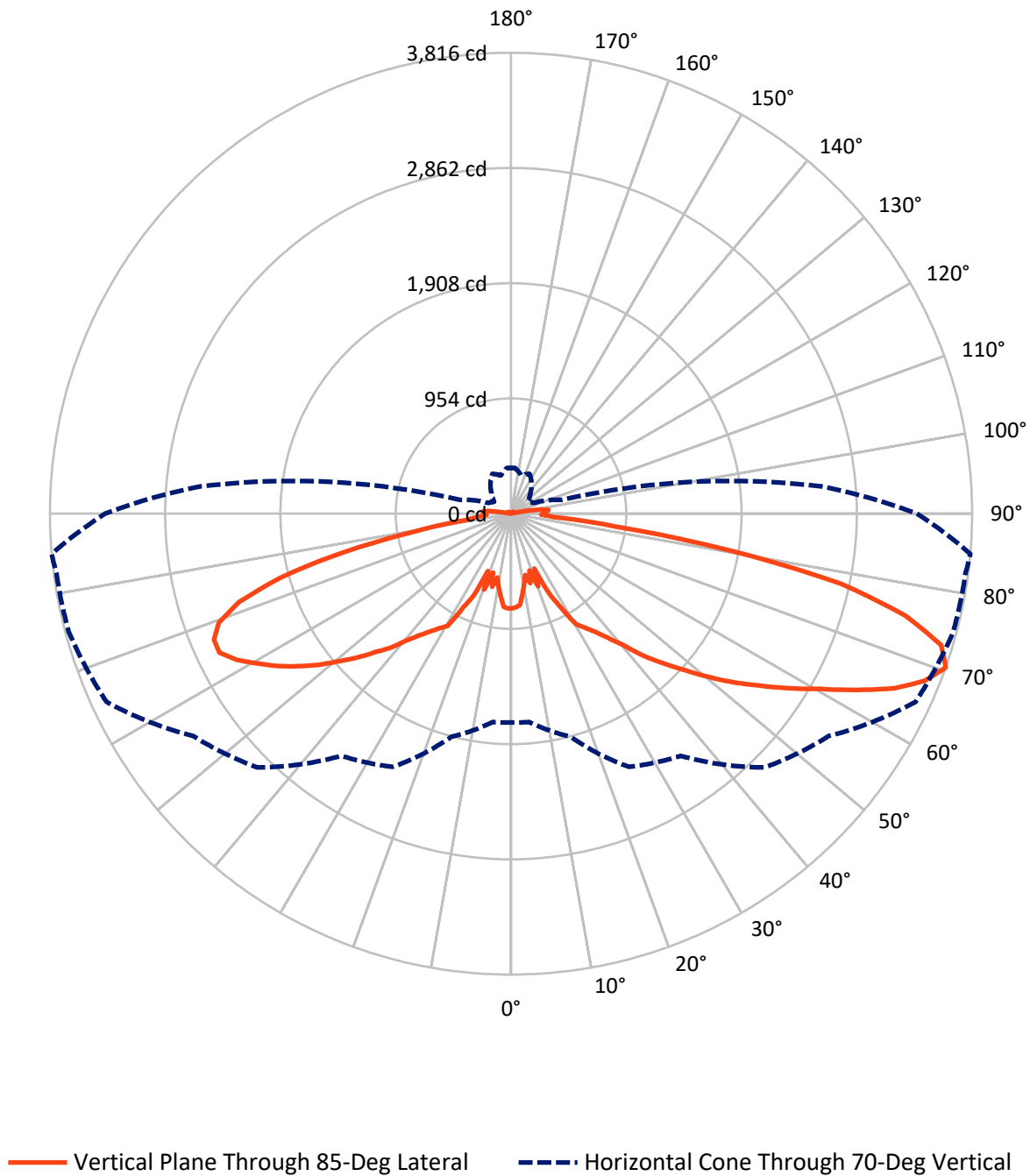


Based on 10 foot mounting height. Maximum calculated value = 8 fc
Type IV - Medium - N/A

REPORT NUMBER: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

Luminous Intensity Polar Plot



REPORT NUMBER: P559926

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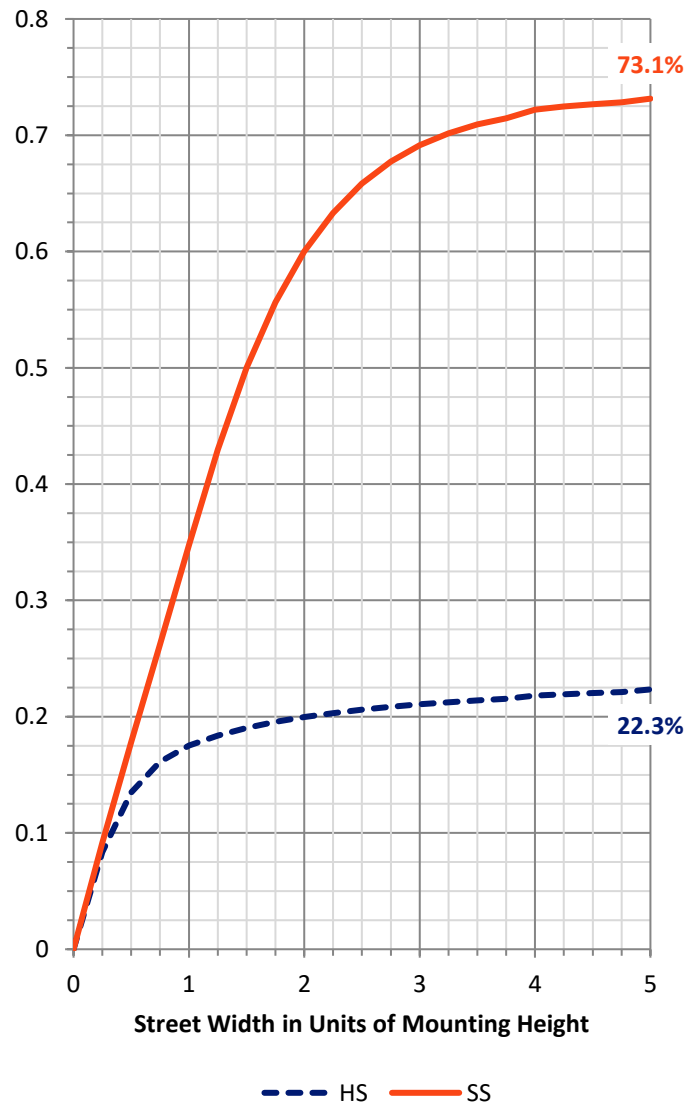
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1669.8	107.6	1777.4
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5233.9	90.9	5324.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	6903.7	198.5	7102.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	0.9
10°-20°	156.7	2.2
20°-30°	285.4	4.0
30°-40°	539.6	7.6
40°-50°	901.8	12.7
50°-60°	1407.4	19.8
60°-70°	1745.4	24.6
70°-80°	1426.0	20.1
80°-90°	377.4	5.3
90°-100°	143.3	2.0
100°-110°	30.5	0.4
110°-120°	9.9	0.1
120°-130°	7.7	0.1
130°-140°	3.7	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6903.7	97.2
0°-180°	7102.2	100.0

Coefficient of Utilization



REPORT NUMBER: P559926

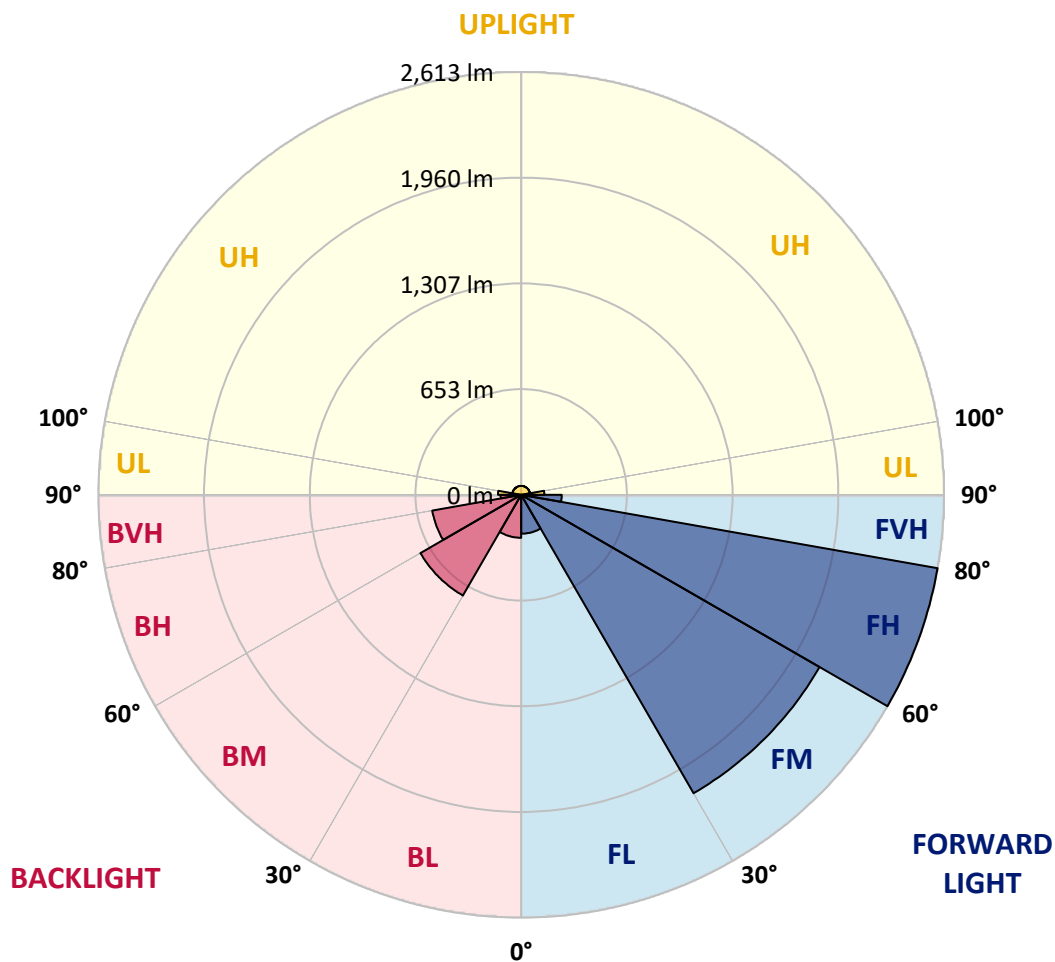
CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.5	3.4			
FM	(30°-60°)	2129.6	30.0			
FH	(60°-80°)	2613.4	36.8			G2/5000
FVH	(80°-90°)	250.4	3.5			G3/500
BL	(0°-30°)	265.6	3.7	B1/500		
BM	(30°-60°)	719.2	10.1	B1/1000		
BH	(60°-80°)	557.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	127.0	1.8			G2/225
UL	(90°-100°)	143.3	2.0		U3/500	
UH	(100°-180°)	55.2	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7
2.5°	649.8	713.1	702.1	721.4	732.4	748.9	759.9	765.4	770.9	776.4	776.4
5°	603.0	605.7	608.5	611.2	616.7	625.0	633.2	721.4	748.9	759.9	759.9
7.5°	550.6	547.9	558.9	572.7	591.9	603.0	611.2	614.0	644.3	669.0	674.5
10°	547.9	550.6	550.6	556.2	523.1	520.4	481.8	484.6	525.9	589.2	591.9
12.5°	476.3	490.1	520.4	542.4	509.4	457.0	448.8	470.8	440.5	517.6	520.4
15°	531.4	528.6	528.6	506.6	429.5	451.5	402.0	418.5	512.1	583.7	597.5
17.5°	462.5	457.0	512.1	495.6	446.0	377.2	451.5	446.0	462.5	503.8	495.6
20°	580.9	575.4	564.4	429.5	451.5	473.6	459.8	429.5	542.4	605.7	641.5
22.5°	542.4	547.9	575.4	545.1	465.3	487.3	435.0	528.6	512.1	487.3	492.8
25°	740.6	735.1	707.6	534.1	556.2	454.3	531.4	470.8	649.8	721.4	726.9
27.5°	682.8	674.5	655.3	671.8	564.4	594.7	517.6	616.7	718.6	845.2	883.8
30°	905.8	897.6	875.5	677.3	671.8	589.2	627.7	757.1	969.1	1065.5	1062.8
32.5°	1167.4	1106.8	971.9	867.3	718.6	765.4	718.6	892.1	1032.5	1126.1	1126.1
35°	1327.1	1316.1	1244.5	1007.7	837.0	834.2	826.0	982.9	1139.8	1205.9	1200.4
37.5°	1462.0	1481.2	1428.9	1167.4	944.4	966.4	925.1	1106.8	1272.0	1310.5	1305.0
40°	1649.2	1643.7	1616.2	1305.0	1076.5	1073.8	1043.5	1255.5	1417.9	1445.5	1431.7
42.5°	1927.3	1897.0	1814.4	1489.5	1216.9	1216.9	1161.9	1395.9	1596.9	1599.6	1607.9
45°	2268.7	2254.9	2109.0	1775.8	1398.6	1395.9	1305.0	1544.6	1778.6	1792.4	1767.6
47.5°	2505.5	2464.2	2392.6	2037.4	1679.5	1616.2	1478.5	1690.5	1996.1	1985.1	1935.5
50°	2739.5	2706.4	2640.4	2323.7	1971.3	1844.7	1640.9	1841.9	2205.3	2175.1	2128.3
52.5°	2940.5	2896.4	2824.8	2557.8	2227.4	2128.3	1828.2	1979.6	2417.3	2367.8	2323.7
55°	3056.1	2965.2	2970.8	2767.0	2420.1	2340.3	2037.4	2202.6	2623.8	2552.3	2516.5
57.5°	2912.9	2907.4	2998.3	2896.4	2596.3	2516.5	2260.4	2425.6	2838.6	2745.0	2728.5
60°	2769.8	2786.3	2915.7	2935.0	2734.0	2676.2	2453.1	2742.2	3047.8	2946.0	2946.0
62.5°	2571.5	2618.3	2800.1	2948.7	2747.7	2833.1	2654.1	3012.1	3276.4	3182.8	3213.0
65°	2345.8	2345.8	2555.0	2835.8	2703.7	2937.7	2877.1	3306.6	3477.3	3422.3	3485.6
67.5°	2037.4	2042.9	2260.4	2615.6	2623.8	2990.0	3056.1	3537.9	3686.6	3645.3	3692.1
70°	1729.0	1731.8	1913.5	2312.7	2447.6	2970.8	3210.3	3692.1	3788.5	3794.0	3816.0
72.5°	1294.0	1340.8	1511.5	1877.7	2142.0	2890.9	3290.1	3736.2	3785.7	3794.0	3722.4
75°	696.6	718.6	908.6	1222.4	1591.4	2563.3	3265.3	3689.3	3653.6	3557.2	3370.0
77.5°	242.3	253.3	319.4	534.1	903.1	1814.4	3028.6	3485.6	3370.0	3067.1	2791.8
80°	156.9	156.9	173.5	256.1	410.2	859.0	2351.3	2987.3	2714.7	2067.7	1811.6
82.5°	110.1	112.9	126.6	170.7	264.3	368.9	1222.4	1517.0	1495.0	1029.7	867.3
85°	79.8	82.6	88.1	99.1	181.7	228.5	476.3	729.6	674.5	368.9	346.9
87.5°	35.8	41.3	35.8	44.1	71.6	140.4	228.5	225.8	214.8	245.0	250.5
90°	27.5	27.5	22.0	24.8	49.6	126.6	212.0	203.7	217.5	267.1	264.3
92.5°	27.5	27.5	22.0	24.8	46.8	126.6	223.0	198.2	225.8	286.3	289.1
95°	27.5	30.3	22.0	22.0	38.5	129.4	236.8	212.0	239.5	311.1	311.1
97.5°	24.8	24.8	16.5	19.3	30.3	118.4	236.8	181.7	176.2	250.5	247.8
100°	19.3	22.0	11.0	16.5	22.0	71.6	176.2	112.9	49.6	57.8	88.1
102.5°	19.3	19.3	11.0	13.8	16.5	30.3	93.6	66.1	13.8	19.3	19.3
105°	19.3	22.0	11.0	11.0	11.0	13.8	44.1	33.0	11.0	16.5	19.3
107.5°	22.0	22.0	8.3	8.3	8.3	8.3	16.5	13.8	11.0	19.3	22.0
110°	22.0	22.0	8.3	8.3	5.5	5.5	8.3	8.3	11.0	19.3	22.0

REPORT NUMBER: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	19.3	19.3	8.3	8.3	5.5	5.5	5.5	8.3	11.0	16.5	19.3
115°	13.8	13.8	5.5	8.3	5.5	5.5	5.5	8.3	8.3	13.8	16.5
117.5°	13.8	11.0	5.5	5.5	2.8	5.5	5.5	8.3	11.0	19.3	19.3
120°	13.8	13.8	5.5	2.8	2.8	2.8	2.8	5.5	13.8	22.0	24.8
122.5°	13.8	13.8	5.5	2.8	2.8	2.8	2.8	5.5	13.8	22.0	24.8
125°	16.5	13.8	8.3	2.8	2.8	2.8	2.8	2.8	11.0	19.3	22.0
127.5°	13.8	13.8	8.3	2.8	2.8	2.8	2.8	2.8	8.3	16.5	19.3
130°	13.8	13.8	8.3	2.8	2.8	2.8	2.8	2.8	8.3	13.8	13.8
132.5°	11.0	11.0	8.3	2.8	2.8	2.8	2.8	2.8	5.5	11.0	11.0
135°	11.0	11.0	5.5	2.8	2.8	2.8	2.8	2.8	2.8	8.3	8.3
137.5°	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
150°	8.3	8.3	8.3	5.5	5.5	2.8	5.5	2.8	2.8	2.8	2.8
152.5°	8.3	8.3	11.0	5.5	2.8	2.8	2.8	5.5	2.8	2.8	2.8
155°	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	5.5	5.5	8.3
157.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7
2.5°	779.2	784.7	787.4	795.7	795.7	795.7	776.4	729.6	729.6	732.4	735.1
5°	768.2	773.7	784.7	746.1	707.6	704.8	718.6	726.9	729.6	732.4	726.9
7.5°	680.1	691.1	685.6	688.3	707.6	726.9	743.4	732.4	704.8	685.6	691.1
10°	605.7	616.7	556.2	561.7	583.7	638.8	729.6	759.9	779.2	787.4	787.4
12.5°	531.4	539.6	487.3	564.4	525.9	611.2	710.3	784.7	710.3	680.1	680.1
15°	608.5	625.0	561.7	501.1	512.1	619.5	545.1	748.9	770.9	776.4	781.9
17.5°	520.4	509.4	520.4	528.6	575.4	481.8	625.0	704.8	660.8	644.3	652.5
20°	655.3	666.3	608.5	520.4	525.9	614.0	556.2	630.5	751.6	754.4	759.9
22.5°	498.3	512.1	545.1	619.5	542.4	594.7	586.4	655.3	614.0	616.7	638.8
25°	732.4	743.4	685.6	553.4	591.9	536.9	591.9	583.7	688.3	693.8	693.8
27.5°	897.6	872.8	748.9	625.0	520.4	567.2	534.1	556.2	531.4	605.7	616.7
30°	1068.3	1068.3	971.9	696.6	550.6	481.8	487.3	528.6	589.2	600.2	600.2
32.5°	1120.6	1117.8	993.9	754.4	542.4	498.3	448.8	498.3	603.0	655.3	660.8
35°	1194.9	1183.9	1032.5	735.1	523.1	454.3	424.0	501.1	578.2	586.4	580.9
37.5°	1288.5	1261.0	1079.3	699.3	479.1	426.8	407.5	451.5	517.6	517.6	517.6
40°	1404.2	1360.1	1095.8	649.8	432.3	391.0	371.7	418.5	462.5	437.8	429.5
42.5°	1561.1	1495.0	1109.6	614.0	391.0	360.7	335.9	379.9	402.0	388.2	382.7
45°	1707.0	1607.9	1131.6	575.4	357.9	333.1	311.1	349.7	366.2	352.4	349.7
47.5°	1880.5	1748.3	1134.3	539.6	333.1	311.1	294.6	327.6	338.6	338.6	335.9
50°	2059.4	1883.2	1156.4	509.4	308.4	289.1	286.3	311.1	319.4	313.9	311.1
52.5°	2263.2	2034.6	1164.6	470.8	278.1	264.3	278.1	294.6	319.4	322.1	322.1
55°	2480.7	2175.1	1159.1	418.5	256.1	250.5	269.8	305.6	327.6	311.1	308.4
57.5°	2692.7	2315.5	1161.9	360.7	234.0	245.0	272.6	319.4	335.9	316.6	308.4
60°	2882.6	2442.1	1123.3	308.4	217.5	231.3	283.6	333.1	327.6	333.1	324.9
62.5°	3116.7	2574.3	1013.2	275.3	203.7	225.8	283.6	341.4	319.4	341.4	341.4
65°	3309.4	2673.4	856.3	247.8	192.7	225.8	286.3	344.2	311.1	346.9	346.9
67.5°	3392.0	2670.6	619.5	225.8	179.0	220.3	286.3	355.2	319.4	357.9	355.2
70°	3359.0	2579.8	437.8	209.2	170.7	223.0	297.4	363.4	327.6	379.9	377.2
72.5°	3135.9	2365.0	316.6	195.5	159.7	212.0	305.6	374.4	335.9	413.0	413.0
75°	2761.5	1976.8	256.1	181.7	148.7	209.2	308.4	379.9	341.4	418.5	418.5
77.5°	2111.7	1420.7	214.8	167.9	137.7	203.7	305.6	388.2	338.6	418.5	418.5
80°	1266.5	809.5	179.0	151.4	140.4	201.0	311.1	388.2	338.6	413.0	413.0
82.5°	583.7	371.7	159.7	126.6	132.2	198.2	316.6	382.7	324.9	413.0	396.5
85°	324.9	261.6	137.7	107.4	118.4	187.2	300.1	344.2	291.8	341.4	335.9
87.5°	242.3	203.7	88.1	55.1	77.1	132.2	231.3	272.6	220.3	264.3	261.6
90°	258.8	214.8	79.8	55.1	82.6	121.1	217.5	242.3	203.7	245.0	242.3
92.5°	278.1	225.8	79.8	57.8	93.6	132.2	217.5	236.8	201.0	223.0	225.8
95°	291.8	234.0	77.1	63.3	99.1	143.2	212.0	217.5	184.5	192.7	201.0
97.5°	228.5	176.2	68.8	66.1	96.4	115.6	173.5	170.7	126.6	118.4	118.4
100°	71.6	49.6	60.6	68.8	57.8	55.1	101.9	121.1	74.3	49.6	46.8
102.5°	22.0	19.3	55.1	66.1	44.1	24.8	55.1	77.1	55.1	8.3	11.0
105°	22.0	22.0	35.8	55.1	30.3	11.0	22.0	41.3	33.0	8.3	8.3
107.5°	22.0	19.3	13.8	30.3	11.0	8.3	11.0	11.0	11.0	8.3	8.3
110°	22.0	22.0	11.0	11.0	8.3	8.3	8.3	5.5	5.5	13.8	13.8



REPORT NUMBER: P559926

CATALOG NUMBER: SDL-PA1-100-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.0	22.0	11.0	11.0	8.3	8.3	5.5	5.5	8.3	19.3	19.3
115°	19.3	19.3	11.0	8.3	5.5	8.3	5.5	5.5	8.3	22.0	22.0
117.5°	22.0	22.0	11.0	8.3	5.5	5.5	5.5	2.8	8.3	24.8	27.5
120°	27.5	24.8	13.8	5.5	5.5	5.5	5.5	5.5	11.0	22.0	24.8
122.5°	27.5	27.5	13.8	5.5	2.8	2.8	2.8	5.5	11.0	22.0	24.8
125°	24.8	24.8	13.8	5.5	2.8	2.8	2.8	2.8	11.0	19.3	19.3
127.5°	22.0	22.0	11.0	5.5	2.8	2.8	2.8	2.8	8.3	16.5	19.3
130°	16.5	16.5	8.3	5.5	2.8	2.8	2.8	2.8	8.3	13.8	16.5
132.5°	13.8	13.8	8.3	5.5	2.8	2.8	2.8	2.8	8.3	11.0	13.8
135°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	5.5	8.3	11.0
137.5°	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	8.3	5.5
152.5°	2.8	2.8	2.8	5.5	2.8	0.0	0.0	5.5	5.5	8.3	8.3
155°	8.3	8.3	5.5	2.8	2.8	0.0	0.0	0.0	5.5	5.5	5.5
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
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)