

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: P559922

Luminaire Tested: **SDL-PA1-100-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7209.6 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - U3 - G2

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



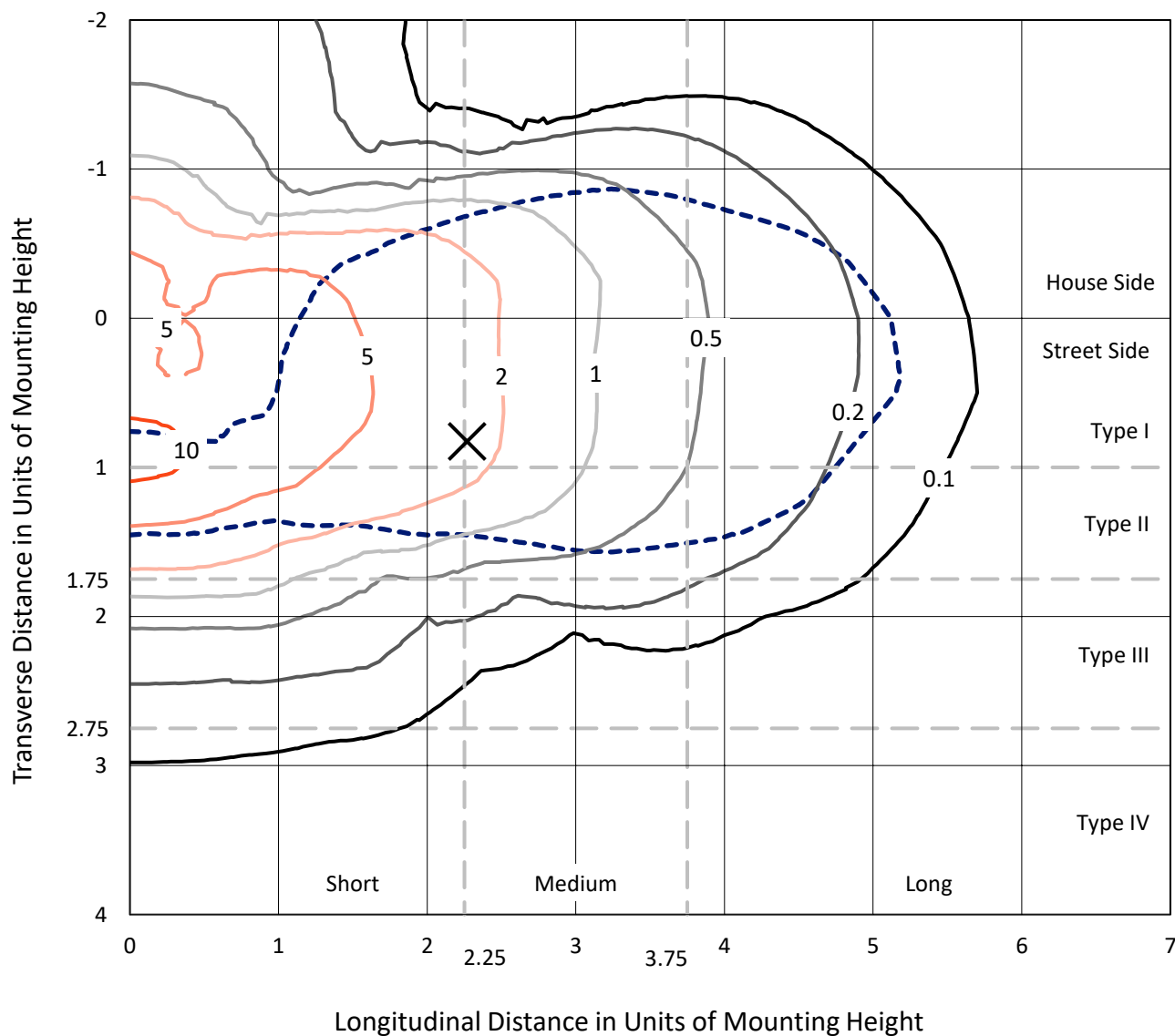
REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

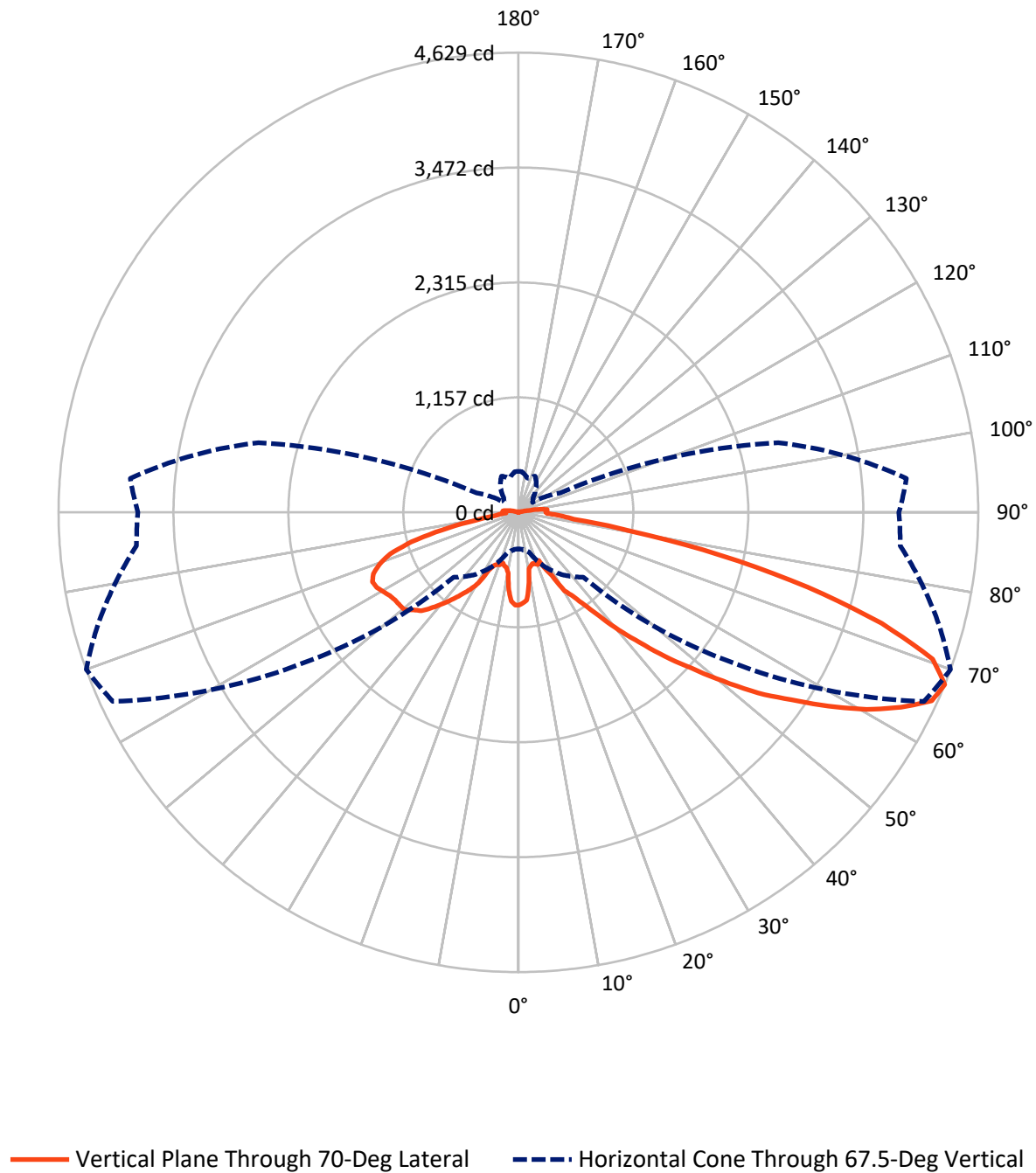


Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

Luminous Intensity Polar Plot



REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

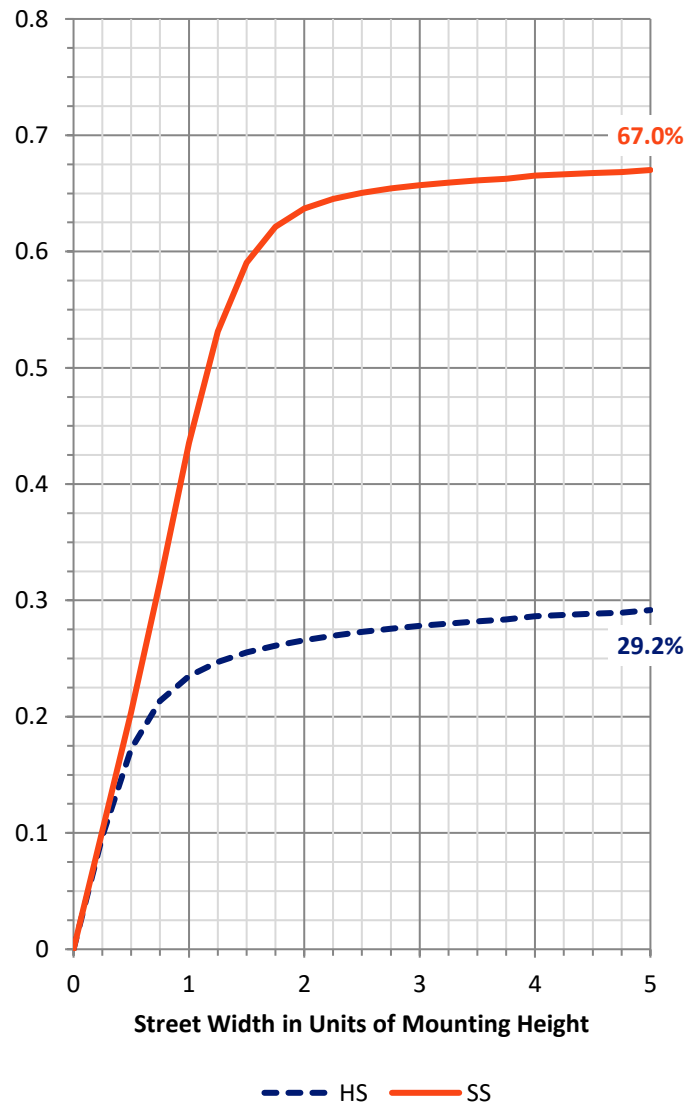
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2168.4	85.1	2253.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	4873.8	82.3	4956.1
	% Fixture	67.6	1.1	68.7
Total	Lumens	7042.2	167.4	7209.6
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.0
10°-20°	173.0	2.4
20°-30°	306.8	4.3
30°-40°	646.5	9.0
40°-50°	1208.8	16.8
50°-60°	1674.1	23.2
60°-70°	1614.2	22.4
70°-80°	1061.2	14.7
80°-90°	282.8	3.9
90°-100°	116.0	1.6
100°-110°	25.4	0.4
110°-120°	11.0	0.2
120°-130°	7.9	0.1
130°-140°	3.6	0.0
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7042.2	97.7
0°-180°	7209.6	100.0

Coefficient of Utilization



REPORT NUMBER: P559922

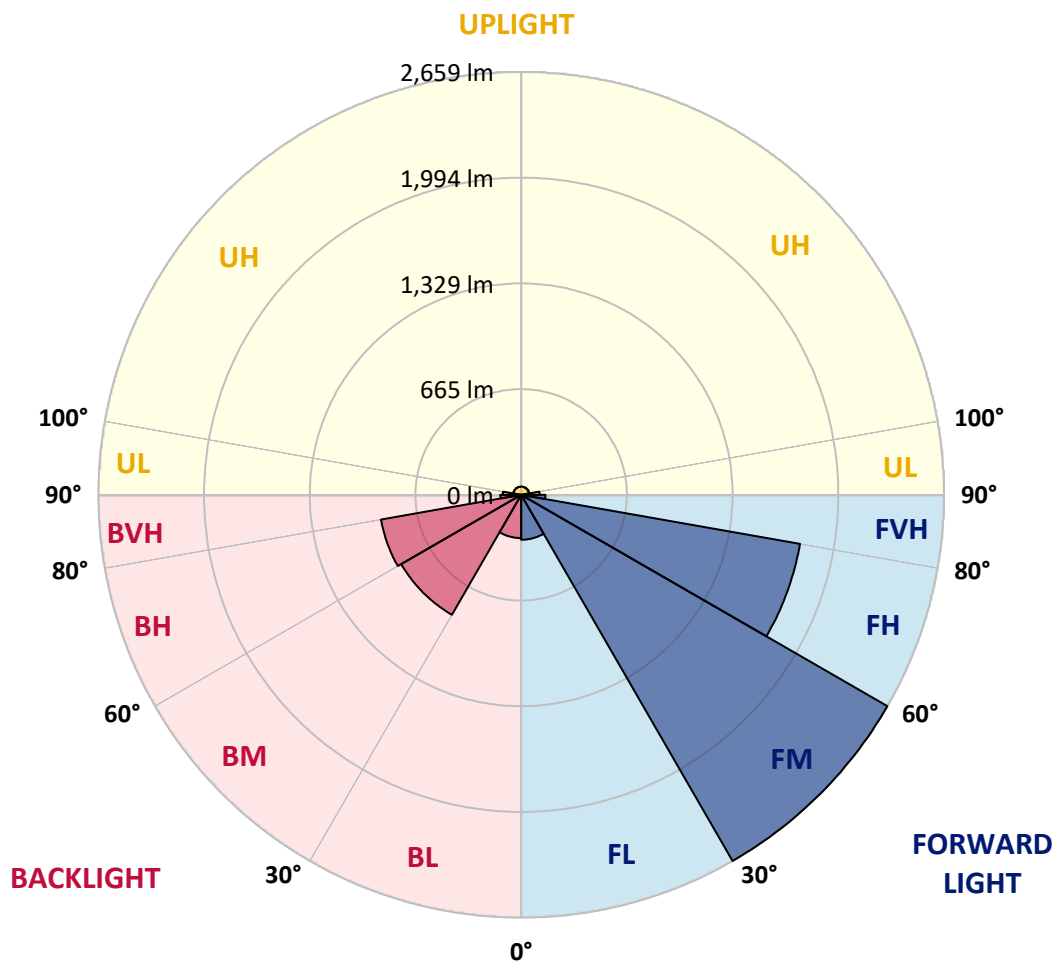
CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.5	3.9			
FM	(30°-60°)	2658.8	36.9			
FH	(60°-80°)	1780.3	24.7			G1/1800
FVH	(80°-90°)	152.2	2.1			G2/225
BL	(0°-30°)	272.0	3.8	B1/500		
BM	(30°-60°)	870.6	12.1	B1/1000		
BH	(60°-80°)	895.2	12.4	B2/1000		G2/1000
BVH	(80°-90°)	130.6	1.8			G2/225
UL	(90°-100°)	116.0	1.6		U3/500	
UH	(100°-180°)	51.4	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium



REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0
2.5°	778.9	842.2	822.9	883.5	897.2	911.0	913.8	916.5	913.8	916.5	922.0
5°	734.9	737.6	740.4	745.9	745.9	751.4	762.4	878.0	889.0	897.2	908.3
7.5°	613.8	641.3	693.6	712.8	721.1	732.1	737.6	737.6	748.6	776.1	795.4
10°	682.6	677.1	679.8	682.6	644.0	635.8	578.0	569.7	578.0	597.2	688.1
12.5°	572.5	600.0	657.8	671.6	624.8	553.2	545.0	556.0	553.2	498.2	583.5
15°	663.3	660.6	655.0	644.0	522.9	547.7	470.6	476.1	533.9	572.5	652.3
17.5°	578.0	575.2	652.3	630.3	550.5	426.6	536.7	498.2	545.0	503.7	539.5
20°	718.3	715.6	707.3	525.7	561.5	567.0	520.2	481.7	561.5	580.7	655.0
22.5°	652.3	652.3	704.6	690.8	569.7	600.0	495.4	586.2	525.7	533.9	495.4
25°	897.2	889.0	878.0	641.3	685.3	550.5	613.8	539.5	627.5	679.8	712.8
27.5°	869.7	853.2	842.2	850.5	688.1	721.1	608.3	671.6	723.9	745.9	831.2
30°	1222.0	1200.0	1167.0	891.7	856.0	737.6	734.9	831.2	916.5	985.3	1032.1
32.5°	1557.8	1563.3	1392.7	1197.2	946.8	985.3	875.2	974.3	1001.8	1073.4	1100.9
35°	1998.2	1943.1	1835.8	1494.5	1153.2	1114.7	1018.3	1111.9	1139.5	1208.3	1224.8
37.5°	2345.0	2347.7	2182.6	1797.2	1381.7	1348.6	1180.7	1277.1	1326.6	1403.7	1376.1
40°	2678.0	2691.7	2559.6	2108.3	1670.6	1579.8	1376.1	1489.0	1557.8	1604.6	1557.8
42.5°	2975.2	2972.5	2881.7	2452.3	1940.4	1888.1	1582.6	1728.4	1789.0	1833.0	1797.2
45°	3209.2	3200.9	3118.4	2733.0	2259.6	2331.2	1852.3	2003.7	2067.0	2116.5	2028.4
47.5°	3289.0	3245.0	3209.2	2936.7	2556.9	2722.0	2185.3	2270.6	2345.0	2430.3	2287.2
50°	3203.7	3145.9	3159.6	3033.0	2807.3	3049.5	2543.1	2578.9	2669.7	2744.0	2532.1
52.5°	2848.6	2834.9	2911.9	2936.7	2914.7	3300.0	2945.0	2843.1	3022.0	3030.3	2785.3
55°	2380.7	2364.2	2545.9	2647.7	2812.8	3399.1	3286.2	3214.7	3330.3	3316.5	3011.0
57.5°	1918.4	1907.3	2072.5	2240.4	2526.6	3344.0	3525.7	3622.0	3679.8	3602.8	3220.2
60°	1285.3	1307.3	1590.8	1816.5	2067.0	3013.8	3616.5	4001.8	4029.4	3864.2	3440.4
62.5°	820.2	850.5	1032.1	1400.9	1544.0	2446.8	3550.5	4340.4	4323.9	4100.9	3644.0
65°	525.7	536.7	624.8	949.5	1106.4	1621.1	3256.0	4571.6	4574.3	4312.8	3806.4
67.5°	368.8	371.6	412.8	591.7	765.1	922.0	2647.7	4505.5	4629.4	4384.4	3858.7
70°	330.3	333.0	344.0	401.8	580.7	572.5	1604.6	4026.6	4425.7	4290.8	3778.9
72.5°	294.5	297.2	316.5	349.5	445.9	448.6	767.9	3206.4	3825.7	3957.8	3542.2
75°	245.0	250.5	272.5	327.5	344.0	377.1	514.7	2254.1	3011.0	3410.1	3261.5
77.5°	206.4	209.2	225.7	278.0	300.0	305.5	440.4	1249.5	2080.7	2510.1	2873.4
80°	165.1	165.1	178.9	220.2	247.7	250.5	393.6	660.6	1153.2	1519.3	1998.2
82.5°	107.3	110.1	126.6	165.1	184.4	247.7	349.5	481.7	564.2	732.1	908.3
85°	68.8	68.8	79.8	93.6	110.1	189.9	308.3	399.1	421.1	459.6	412.8
87.5°	33.0	33.0	30.3	35.8	41.3	71.6	214.7	283.5	286.2	280.7	302.8
90°	27.5	27.5	22.0	24.8	27.5	38.5	162.4	278.0	275.2	286.2	313.8
92.5°	30.3	30.3	22.0	24.8	27.5	33.0	118.3	280.7	289.0	302.8	333.0
95°	33.0	33.0	22.0	22.0	24.8	30.3	74.3	242.2	291.7	305.5	344.0
97.5°	30.3	30.3	16.5	19.3	22.0	27.5	46.8	181.7	228.4	239.4	272.5
100°	27.5	27.5	13.8	16.5	19.3	22.0	30.3	93.6	99.1	74.3	104.6
102.5°	24.8	27.5	11.0	13.8	13.8	13.8	19.3	44.0	44.0	24.8	27.5
105°	24.8	27.5	11.0	11.0	8.3	11.0	11.0	16.5	19.3	13.8	22.0
107.5°	27.5	27.5	11.0	11.0	8.3	8.3	8.3	11.0	13.8	11.0	22.0
110°	24.8	24.8	8.3	11.0	5.5	5.5	5.5	8.3	11.0	11.0	24.8

REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.5	16.5	8.3	11.0	5.5	5.5	5.5	8.3	11.0	13.8	30.3
115°	13.8	11.0	5.5	8.3	5.5	5.5	5.5	8.3	8.3	11.0	24.8
117.5°	13.8	11.0	5.5	5.5	2.8	5.5	5.5	8.3	8.3	11.0	22.0
120°	13.8	13.8	5.5	2.8	2.8	2.8	2.8	5.5	8.3	13.8	24.8
122.5°	16.5	13.8	5.5	5.5	2.8	2.8	2.8	5.5	8.3	13.8	24.8
125°	16.5	16.5	8.3	5.5	2.8	2.8	2.8	5.5	8.3	11.0	22.0
127.5°	16.5	13.8	8.3	5.5	2.8	2.8	2.8	2.8	5.5	8.3	19.3
130°	13.8	13.8	8.3	2.8	2.8	2.8	2.8	2.8	5.5	5.5	13.8
132.5°	11.0	11.0	8.3	2.8	2.8	2.8	2.8	2.8	2.8	5.5	11.0
135°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.3
137.5°	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	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	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8
150°	5.5	5.5	11.0	8.3	5.5	2.8	5.5	2.8	2.8	2.8	2.8
152.5°	8.3	8.3	11.0	8.3	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°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	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

REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0	933.0
2.5°	924.8	924.8	933.0	935.8	933.0	930.3	913.8	864.2	833.9	836.7	836.7
5°	911.0	913.8	922.0	872.5	811.9	817.4	825.7	828.4	828.4	833.9	833.9
7.5°	803.7	806.4	784.4	792.7	811.9	825.7	831.2	817.4	773.4	756.9	756.9
10°	696.3	696.3	619.3	622.0	644.0	685.3	814.7	828.4	842.2	845.0	842.2
12.5°	589.0	591.7	528.4	608.3	580.7	655.0	751.4	831.2	767.9	704.6	712.8
15°	657.8	663.3	594.5	522.9	536.7	646.8	561.5	770.6	776.1	776.1	776.1
17.5°	528.4	558.7	525.7	539.5	594.5	487.2	635.8	704.6	646.8	630.3	630.3
20°	657.8	657.8	600.0	520.2	550.5	633.0	564.2	627.5	737.6	737.6	734.9
22.5°	489.9	489.9	525.7	602.8	553.2	624.8	597.2	649.5	586.2	586.2	602.8
25°	707.3	699.1	638.5	533.9	630.3	578.0	600.0	567.0	663.3	671.6	666.1
27.5°	853.2	847.7	685.3	613.8	591.7	616.5	539.5	528.4	509.2	586.2	578.0
30°	1010.1	996.3	897.2	740.4	649.5	520.2	487.2	506.4	561.5	564.2	561.5
32.5°	1084.4	1054.1	944.0	886.2	663.3	536.7	437.6	451.4	558.7	591.7	591.7
35°	1186.2	1153.2	1029.4	966.1	660.6	473.4	388.1	437.6	503.7	506.4	506.4
37.5°	1326.6	1277.1	1172.5	1012.8	616.5	418.3	357.8	388.1	434.9	448.6	454.1
40°	1489.0	1425.7	1332.1	1043.1	553.2	352.3	319.3	357.8	393.6	382.6	382.6
42.5°	1717.4	1623.9	1489.0	1089.9	473.4	311.0	291.7	327.5	352.3	357.8	355.0
45°	1932.1	1816.5	1673.4	1106.4	385.3	280.7	272.5	311.0	335.8	327.5	327.5
47.5°	2174.3	2028.4	1811.0	1067.9	316.5	264.2	272.5	300.0	311.0	324.8	324.8
50°	2413.8	2256.9	2011.9	1007.3	280.7	253.2	272.5	289.0	311.0	319.3	316.5
52.5°	2631.2	2493.6	2133.0	900.0	261.5	245.0	264.2	289.0	316.5	330.3	330.3
55°	2867.9	2727.5	2243.1	803.7	245.0	228.4	272.5	300.0	308.3	316.5	316.5
57.5°	3046.8	2936.7	2364.2	718.3	233.9	228.4	278.0	313.8	311.0	319.3	319.3
60°	3264.2	3167.9	2474.3	677.1	217.4	217.4	289.0	338.5	316.5	341.3	341.3
62.5°	3495.4	3437.6	2581.7	646.8	200.9	211.9	291.7	357.8	327.5	366.1	368.8
65°	3718.4	3729.4	2680.7	575.2	187.2	211.9	297.2	382.6	338.5	388.1	393.6
67.5°	3831.2	3922.0	2708.3	462.4	173.4	209.2	313.8	401.8	355.0	410.1	412.8
70°	3809.2	3927.5	2645.0	341.3	162.4	220.2	338.5	418.3	363.3	437.6	437.6
72.5°	3616.5	3701.8	2457.8	258.7	151.4	211.9	344.0	423.9	368.8	481.7	481.7
75°	3344.0	3256.0	2022.9	214.7	143.1	211.9	335.8	418.3	363.3	470.6	467.9
77.5°	2900.9	2606.4	1395.4	189.9	134.9	203.7	313.8	407.3	346.8	437.6	443.1
80°	1860.6	1604.6	712.8	165.1	143.1	195.4	302.8	377.1	322.0	390.8	393.6
82.5°	847.7	712.8	324.8	145.9	140.4	176.1	275.2	335.8	280.7	333.0	330.3
85°	357.8	363.3	256.0	123.9	123.9	137.6	203.7	261.5	217.4	233.9	228.4
87.5°	278.0	267.0	176.1	74.3	79.8	60.6	132.1	187.2	143.1	151.4	148.6
90°	294.5	289.0	187.2	77.1	57.8	35.8	99.1	145.9	107.3	96.3	93.6
92.5°	313.8	311.0	209.2	82.6	57.8	30.3	85.3	118.3	77.1	66.1	63.3
95°	335.8	335.8	228.4	88.1	57.8	30.3	77.1	90.8	57.8	44.0	41.3
97.5°	267.0	272.5	195.4	90.8	55.0	30.3	68.8	74.3	44.0	24.8	24.8
100°	107.3	118.3	107.3	90.8	49.5	24.8	55.0	57.8	30.3	13.8	13.8
102.5°	24.8	30.3	74.3	79.8	38.5	16.5	35.8	35.8	19.3	8.3	8.3
105°	24.8	22.0	49.5	63.3	22.0	11.0	16.5	22.0	11.0	5.5	5.5
107.5°	24.8	24.8	22.0	30.3	11.0	8.3	8.3	8.3	5.5	5.5	5.5
110°	27.5	24.8	11.0	11.0	8.3	8.3	5.5	5.5	2.8	16.5	19.3



REPORT NUMBER: P559922

CATALOG NUMBER: SDL-PA1-100-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.0	30.3	13.8	11.0	8.3	8.3	5.5	5.5	8.3	27.5	27.5
115°	27.5	24.8	13.8	8.3	8.3	8.3	5.5	2.8	8.3	30.3	30.3
117.5°	24.8	22.0	13.8	8.3	5.5	8.3	5.5	2.8	8.3	30.3	30.3
120°	27.5	24.8	13.8	8.3	5.5	5.5	5.5	2.8	8.3	27.5	27.5
122.5°	27.5	27.5	16.5	5.5	5.5	2.8	5.5	2.8	8.3	24.8	24.8
125°	24.8	22.0	13.8	5.5	2.8	2.8	2.8	2.8	11.0	22.0	24.8
127.5°	22.0	19.3	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	16.5	13.8
132.5°	11.0	11.0	8.3	5.5	2.8	2.8	2.8	2.8	8.3	11.0	11.0
135°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	5.5	8.3	8.3
137.5°	2.8	2.8	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	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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	5.5	2.8	2.8	5.5	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	5.5	2.8	2.8	2.8	2.8	8.3	8.3	5.5
155°	8.3	8.3	5.5	2.8	2.8	2.8	2.8	2.8	5.5	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	2.8	0.0	0.0	2.8	0.0
160°	0.0	0.0	2.8	2.8	2.8	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)