

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: P559944

Luminaire Tested: **SDL-PA1-100-830-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559944
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-PA1-100-830-U-T2U-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 7793.3 lumens
Efficiency: N/A
Efficacy: 83.1 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



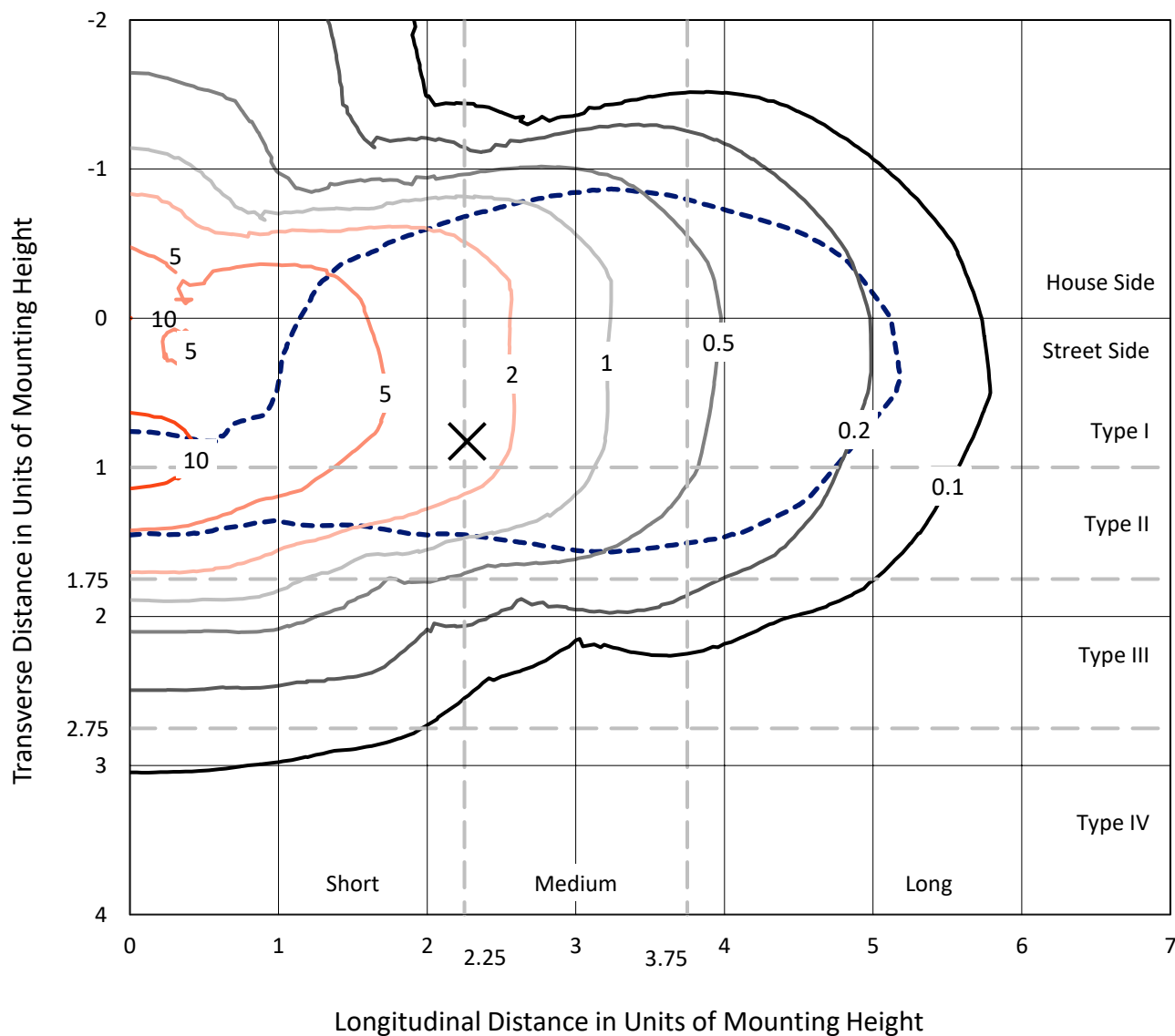
REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

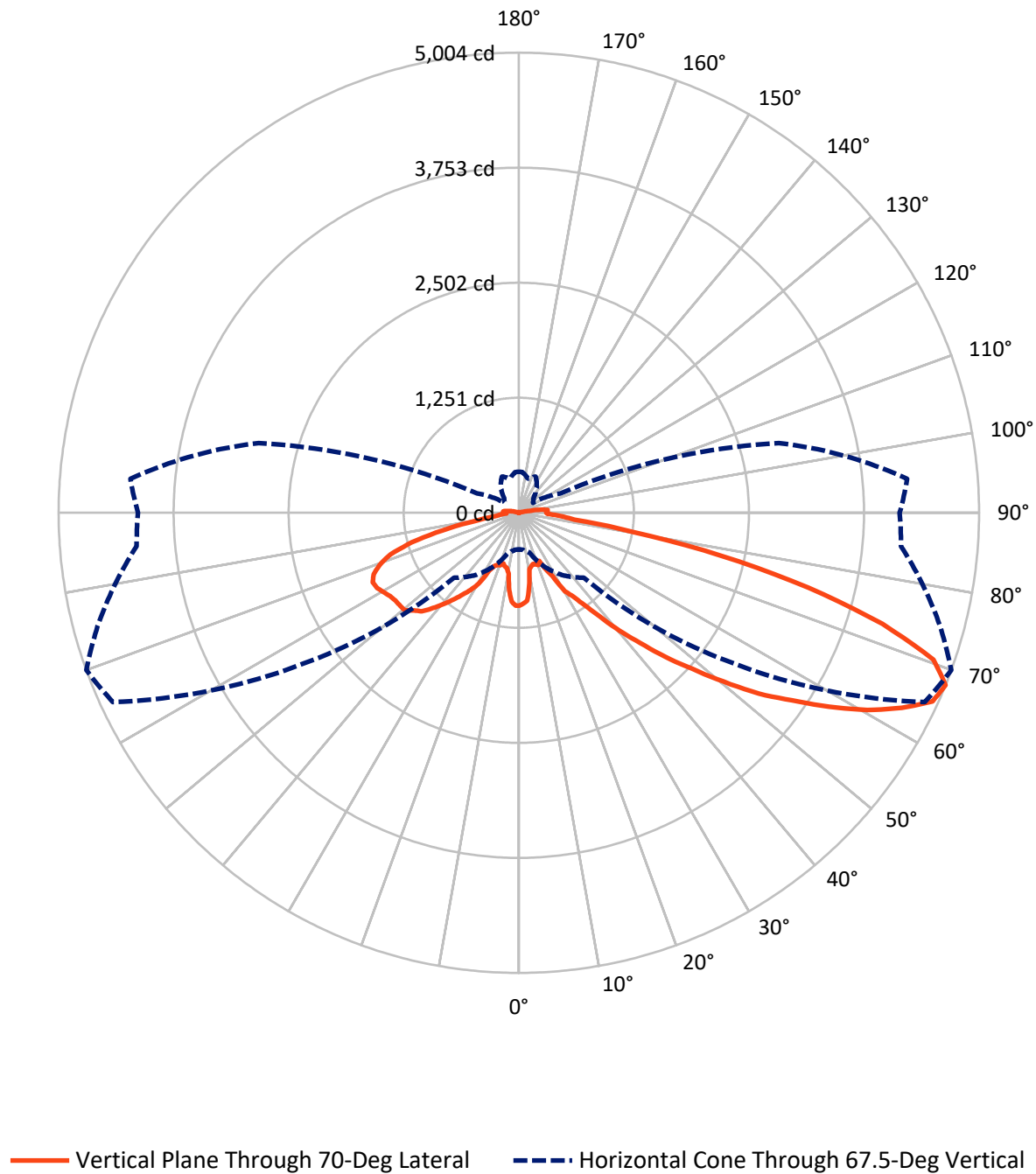


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

Luminous Intensity Polar Plot



REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

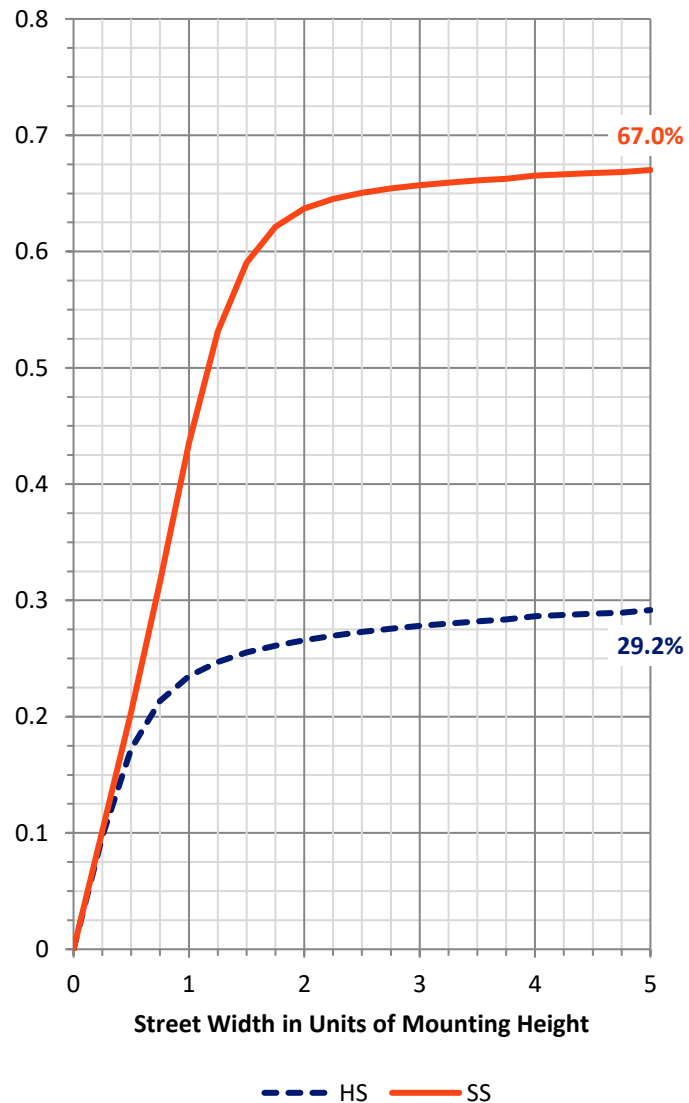
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2344.0	92.0	2436.0
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	5268.4	88.9	5357.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	7612.4	180.9	7793.3
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.0
10°-20°	187.0	2.4
20°-30°	331.7	4.3
30°-40°	698.9	9.0
40°-50°	1306.6	16.8
50°-60°	1809.6	23.2
60°-70°	1744.9	22.4
70°-80°	1147.2	14.7
80°-90°	305.7	3.9
90°-100°	125.4	1.6
100°-110°	27.4	0.4
110°-120°	11.9	0.2
120°-130°	8.6	0.1
130°-140°	3.9	0.0
140°-150°	2.0	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7612.4	97.7
0°-180°	7793.3	100.0

Coefficient of Utilization



REPORT NUMBER: P559944

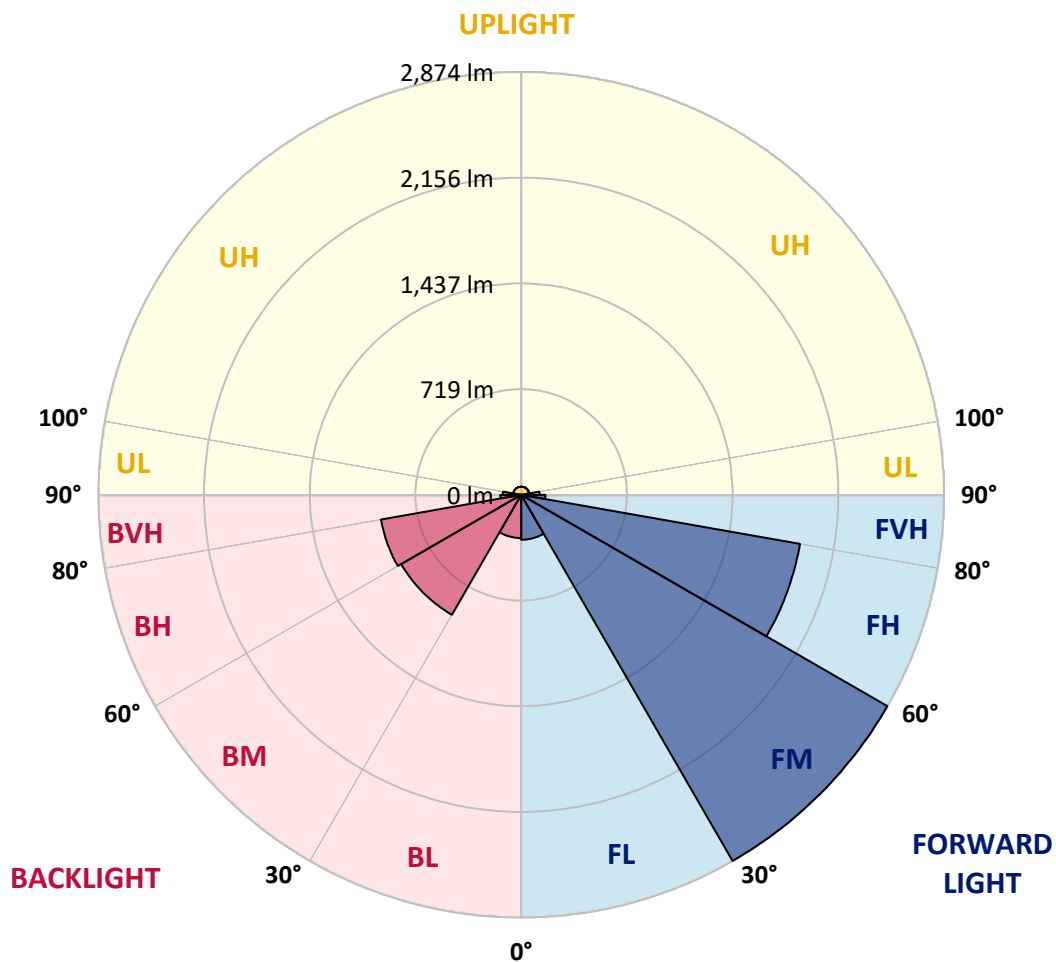
CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.4	3.9			
FM	(30°-60°)	2874.1	36.9			
FH	(60°-80°)	1924.5	24.7			G2/5000
FVH	(80°-90°)	164.5	2.1			G2/225
BL	(0°-30°)	294.1	3.8	B1/500		
BM	(30°-60°)	941.1	12.1	B1/1000		
BH	(60°-80°)	967.6	12.4	B2/1000		G2/1000
BVH	(80°-90°)	141.2	1.8			G2/225
UL	(90°-100°)	125.4	1.6		U3/500	
UH	(100°-180°)	55.5	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium



REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6
2.5°	842.0	910.4	889.6	955.0	969.9	984.8	987.8	990.7	987.8	990.7	996.7
5°	794.4	797.3	800.3	806.3	806.3	812.2	824.1	949.1	961.0	969.9	981.8
7.5°	663.5	693.2	749.7	770.6	779.5	791.4	797.3	797.3	809.2	839.0	859.8
10°	737.8	731.9	734.9	737.8	696.2	687.3	624.8	615.9	624.8	645.6	743.8
12.5°	618.8	648.6	711.1	725.9	675.4	598.0	589.1	601.0	598.0	538.5	630.7
15°	717.0	714.0	708.1	696.2	565.3	592.1	508.8	514.7	577.2	618.8	705.1
17.5°	624.8	621.8	705.1	681.3	595.0	461.1	580.2	538.5	589.1	544.5	583.1
20°	776.5	773.5	764.6	568.3	606.9	612.9	562.3	520.7	606.9	627.8	708.1
22.5°	705.1	705.1	761.6	746.8	615.9	648.6	535.5	633.7	568.3	577.2	535.5
25°	969.9	961.0	949.1	693.2	740.8	595.0	663.5	583.1	678.3	734.9	770.6
27.5°	940.1	922.3	910.4	919.3	743.8	779.5	657.5	725.9	782.5	806.3	898.5
30°	1321.0	1297.2	1261.5	963.9	925.3	797.3	794.4	898.5	990.7	1065.1	1115.7
32.5°	1683.9	1689.9	1505.4	1294.2	1023.5	1065.1	946.1	1053.2	1083.0	1160.3	1190.1
35°	2160.0	2100.5	1984.4	1615.5	1246.6	1204.9	1100.8	1202.0	1231.7	1306.1	1323.9
37.5°	2534.8	2537.8	2359.3	1942.8	1493.5	1457.8	1276.3	1380.5	1434.0	1517.3	1487.6
40°	2894.8	2909.7	2766.9	2279.0	1805.9	1707.7	1487.6	1609.6	1683.9	1734.5	1683.9
42.5°	3216.1	3213.2	3115.0	2650.9	2097.5	2041.0	1710.7	1868.4	1933.9	1981.5	1942.8
45°	3469.0	3460.1	3370.8	2954.3	2442.6	2520.0	2002.3	2165.9	2234.3	2287.9	2192.7
47.5°	3555.3	3507.7	3469.0	3174.5	2763.9	2942.4	2362.3	2454.5	2534.8	2627.1	2472.4
50°	3463.1	3400.6	3415.5	3278.6	3034.7	3296.5	2749.0	2787.7	2885.9	2966.2	2737.1
52.5°	3079.3	3064.4	3147.7	3174.5	3150.7	3567.2	3183.4	3073.3	3266.7	3275.6	3010.9
55°	2573.5	2555.7	2752.0	2862.1	3040.6	3674.3	3552.3	3475.0	3599.9	3585.1	3254.8
57.5°	2073.7	2061.8	2240.3	2421.8	2731.2	3614.8	3811.2	3915.3	3977.8	3894.5	3480.9
60°	1389.4	1413.2	1719.6	1963.6	2234.3	3257.8	3909.4	4325.9	4355.6	4177.1	3718.9
62.5°	886.6	919.3	1115.7	1514.4	1669.1	2644.9	3837.9	4691.8	4674.0	4433.0	3939.1
65°	568.3	580.2	675.4	1026.4	1196.0	1752.4	3519.6	4941.7	4944.7	4662.1	4114.6
67.5°	398.7	401.6	446.3	639.7	827.1	996.7	2862.1	4870.3	5004.2	4739.4	4171.2
70°	357.0	360.0	371.9	434.4	627.8	618.8	1734.5	4352.7	4784.0	4638.3	4084.9
72.5°	318.3	321.3	342.1	377.8	482.0	485.0	830.1	3466.1	4135.5	4278.3	3829.0
75°	264.8	270.7	294.5	354.0	371.9	407.6	556.4	2436.7	3254.8	3686.2	3525.6
77.5°	223.1	226.1	244.0	300.5	324.3	330.2	476.0	1350.7	2249.2	2713.3	3106.1
80°	178.5	178.5	193.4	238.0	267.8	270.7	425.4	714.0	1246.6	1642.3	2160.0
82.5°	116.0	119.0	136.9	178.5	199.3	267.8	377.8	520.7	609.9	791.4	981.8
85°	74.4	74.4	86.3	101.2	119.0	205.3	333.2	431.4	455.2	496.9	446.3
87.5°	35.7	35.7	32.7	38.7	44.6	77.4	232.1	306.4	309.4	303.5	327.3
90°	29.8	29.8	23.8	26.8	29.8	41.7	175.5	300.5	297.5	309.4	339.2
92.5°	32.7	32.7	23.8	26.8	29.8	35.7	127.9	303.5	312.4	327.3	360.0
95°	35.7	35.7	23.8	23.8	26.8	32.7	80.3	261.8	315.4	330.2	371.9
97.5°	32.7	32.7	17.9	20.8	23.8	29.8	50.6	196.4	246.9	258.8	294.5
100°	29.8	29.8	14.9	17.9	20.8	23.8	32.7	101.2	107.1	80.3	113.1
102.5°	26.8	29.8	11.9	14.9	14.9	14.9	20.8	47.6	47.6	26.8	29.8
105°	26.8	29.8	11.9	11.9	8.9	11.9	11.9	17.9	20.8	14.9	23.8
107.5°	29.8	29.8	11.9	11.9	8.9	8.9	8.9	11.9	14.9	11.9	23.8
110°	26.8	26.8	8.9	11.9	6.0	6.0	6.0	8.9	11.9	11.9	26.8



REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	17.9	17.9	8.9	11.9	6.0	6.0	6.0	8.9	11.9	14.9	32.7
115°	14.9	11.9	6.0	8.9	6.0	6.0	6.0	8.9	8.9	11.9	26.8
117.5°	14.9	11.9	6.0	6.0	3.0	6.0	6.0	8.9	8.9	11.9	23.8
120°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	6.0	8.9	14.9	26.8
122.5°	17.9	14.9	6.0	6.0	3.0	3.0	3.0	6.0	8.9	14.9	26.8
125°	17.9	17.9	8.9	6.0	3.0	3.0	3.0	6.0	8.9	11.9	23.8
127.5°	17.9	14.9	8.9	6.0	3.0	3.0	3.0	3.0	6.0	8.9	20.8
130°	14.9	14.9	8.9	3.0	3.0	3.0	3.0	3.0	6.0	6.0	14.9
132.5°	11.9	11.9	8.9	3.0	3.0	3.0	3.0	3.0	3.0	6.0	11.9
135°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9
137.5°	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	6.0	6.0	11.9	8.9	6.0	3.0	6.0	3.0	3.0	3.0	3.0
152.5°	8.9	8.9	11.9	8.9	3.0	3.0	3.0	6.0	3.0	3.0	3.0
155°	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	8.9
157.5°	0.0	0.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	3.0	3.0	3.0	3.0	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

REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6	1008.6
2.5°	999.7	999.7	1008.6	1011.6	1008.6	1005.6	987.8	934.2	901.5	904.4	904.4
5°	984.8	987.8	996.7	943.1	877.7	883.6	892.5	895.5	895.5	901.5	901.5
7.5°	868.7	871.7	847.9	856.8	877.7	892.5	898.5	883.6	836.0	818.2	818.2
10°	752.7	752.7	669.4	672.4	696.2	740.8	880.6	895.5	910.4	913.4	910.4
12.5°	636.7	639.7	571.2	657.5	627.8	708.1	812.2	898.5	830.1	761.6	770.6
15°	711.1	717.0	642.6	565.3	580.2	699.2	606.9	833.0	839.0	839.0	839.0
17.5°	571.2	604.0	568.3	583.1	642.6	526.6	687.3	761.6	699.2	681.3	681.3
20°	711.1	711.1	648.6	562.3	595.0	684.3	609.9	678.3	797.3	797.3	794.4
22.5°	529.6	529.6	568.3	651.6	598.0	675.4	645.6	702.1	633.7	633.7	651.6
25°	764.6	755.7	690.2	577.2	681.3	624.8	648.6	612.9	717.0	725.9	720.0
27.5°	922.3	916.3	740.8	663.5	639.7	666.4	583.1	571.2	550.4	633.7	624.8
30°	1091.9	1077.0	969.9	800.3	702.1	562.3	526.6	547.4	606.9	609.9	606.9
32.5°	1172.2	1139.5	1020.5	958.0	717.0	580.2	473.0	487.9	604.0	639.7	639.7
35°	1282.3	1246.6	1112.7	1044.3	714.0	511.7	419.5	473.0	544.5	547.4	547.4
37.5°	1434.0	1380.5	1267.4	1094.9	666.4	452.2	386.8	419.5	470.1	485.0	490.9
40°	1609.6	1541.1	1440.0	1127.6	598.0	380.8	345.1	386.8	425.4	413.5	413.5
42.5°	1856.5	1755.3	1609.6	1178.2	511.7	336.2	315.4	354.0	380.8	386.8	383.8
45°	2088.6	1963.6	1808.9	1196.0	416.5	303.5	294.5	336.2	363.0	354.0	354.0
47.5°	2350.4	2192.7	1957.7	1154.4	342.1	285.6	294.5	324.3	336.2	351.1	351.1
50°	2609.2	2439.6	2174.8	1088.9	303.5	273.7	294.5	312.4	336.2	345.1	342.1
52.5°	2844.2	2695.5	2305.7	972.9	282.6	264.8	285.6	312.4	342.1	357.0	357.0
55°	3100.1	2948.4	2424.8	868.7	264.8	246.9	294.5	324.3	333.2	342.1	342.1
57.5°	3293.5	3174.5	2555.7	776.5	252.9	246.9	300.5	339.2	336.2	345.1	345.1
60°	3528.5	3424.4	2674.7	731.9	235.0	235.0	312.4	365.9	342.1	368.9	368.9
62.5°	3778.4	3716.0	2790.7	699.2	217.2	229.1	315.4	386.8	354.0	395.7	398.7
65°	4019.4	4031.3	2897.8	621.8	202.3	229.1	321.3	413.5	365.9	419.5	425.4
67.5°	4141.4	4239.6	2927.6	499.8	187.4	226.1	339.2	434.4	383.8	443.3	446.3
70°	4117.6	4245.5	2859.1	368.9	175.5	238.0	365.9	452.2	392.7	473.0	473.0
72.5°	3909.4	4001.6	2656.8	279.7	163.6	229.1	371.9	458.2	398.7	520.7	520.7
75°	3614.8	3519.6	2186.7	232.1	154.7	229.1	363.0	452.2	392.7	508.8	505.8
77.5°	3135.8	2817.5	1508.4	205.3	145.8	220.2	339.2	440.3	374.9	473.0	479.0
80°	2011.2	1734.5	770.6	178.5	154.7	211.2	327.3	407.6	348.1	422.5	425.4
82.5°	916.3	770.6	351.1	157.7	151.7	190.4	297.5	363.0	303.5	360.0	357.0
85°	386.8	392.7	276.7	133.9	133.9	148.8	220.2	282.6	235.0	252.9	246.9
87.5°	300.5	288.6	190.4	80.3	86.3	65.5	142.8	202.3	154.7	163.6	160.7
90°	318.3	312.4	202.3	83.3	62.5	38.7	107.1	157.7	116.0	104.1	101.2
92.5°	339.2	336.2	226.1	89.3	62.5	32.7	92.2	127.9	83.3	71.4	68.4
95°	363.0	363.0	246.9	95.2	62.5	32.7	83.3	98.2	62.5	47.6	44.6
97.5°	288.6	294.5	211.2	98.2	59.5	32.7	74.4	80.3	47.6	26.8	26.8
100°	116.0	127.9	116.0	98.2	53.6	26.8	59.5	62.5	32.7	14.9	14.9
102.5°	26.8	32.7	80.3	86.3	41.7	17.9	38.7	38.7	20.8	8.9	8.9
105°	26.8	23.8	53.6	68.4	23.8	11.9	17.9	23.8	11.9	6.0	6.0
107.5°	26.8	26.8	23.8	32.7	11.9	8.9	8.9	8.9	6.0	6.0	6.0
110°	29.8	26.8	11.9	11.9	8.9	8.9	6.0	6.0	3.0	17.9	20.8

REPORT NUMBER: P559944

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	35.7	32.7	14.9	11.9	8.9	8.9	6.0	6.0	8.9	29.8	29.8
115°	29.8	26.8	14.9	8.9	8.9	8.9	6.0	3.0	8.9	32.7	32.7
117.5°	26.8	23.8	14.9	8.9	6.0	8.9	6.0	3.0	8.9	32.7	32.7
120°	29.8	26.8	14.9	8.9	6.0	6.0	6.0	3.0	8.9	29.8	29.8
122.5°	29.8	29.8	17.9	6.0	6.0	3.0	6.0	3.0	8.9	26.8	26.8
125°	26.8	23.8	14.9	6.0	3.0	3.0	3.0	3.0	11.9	23.8	26.8
127.5°	23.8	20.8	11.9	6.0	3.0	3.0	3.0	3.0	8.9	17.9	20.8
130°	17.9	17.9	8.9	6.0	3.0	3.0	3.0	3.0	8.9	17.9	14.9
132.5°	11.9	11.9	8.9	6.0	3.0	3.0	3.0	3.0	8.9	11.9	11.9
135°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	8.9	8.9
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	6.0	3.0	3.0	6.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	8.9	8.9	6.0
155°	8.9	8.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	3.0	3.0
157.5°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	0.0	0.0	3.0	0.0
160°	0.0	0.0	3.0	3.0	3.0	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)