

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: P561330

Luminaire Tested: **SDL-PA1-90-827-U-T2U-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561330  
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-PA1-90-827-U-T2U-A  
Description: Springdale  
(1) 80 CRI, 2700K, 1180mA 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: 7143.9 lumens  
Efficiency: N/A  
Efficacy: 77.3 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

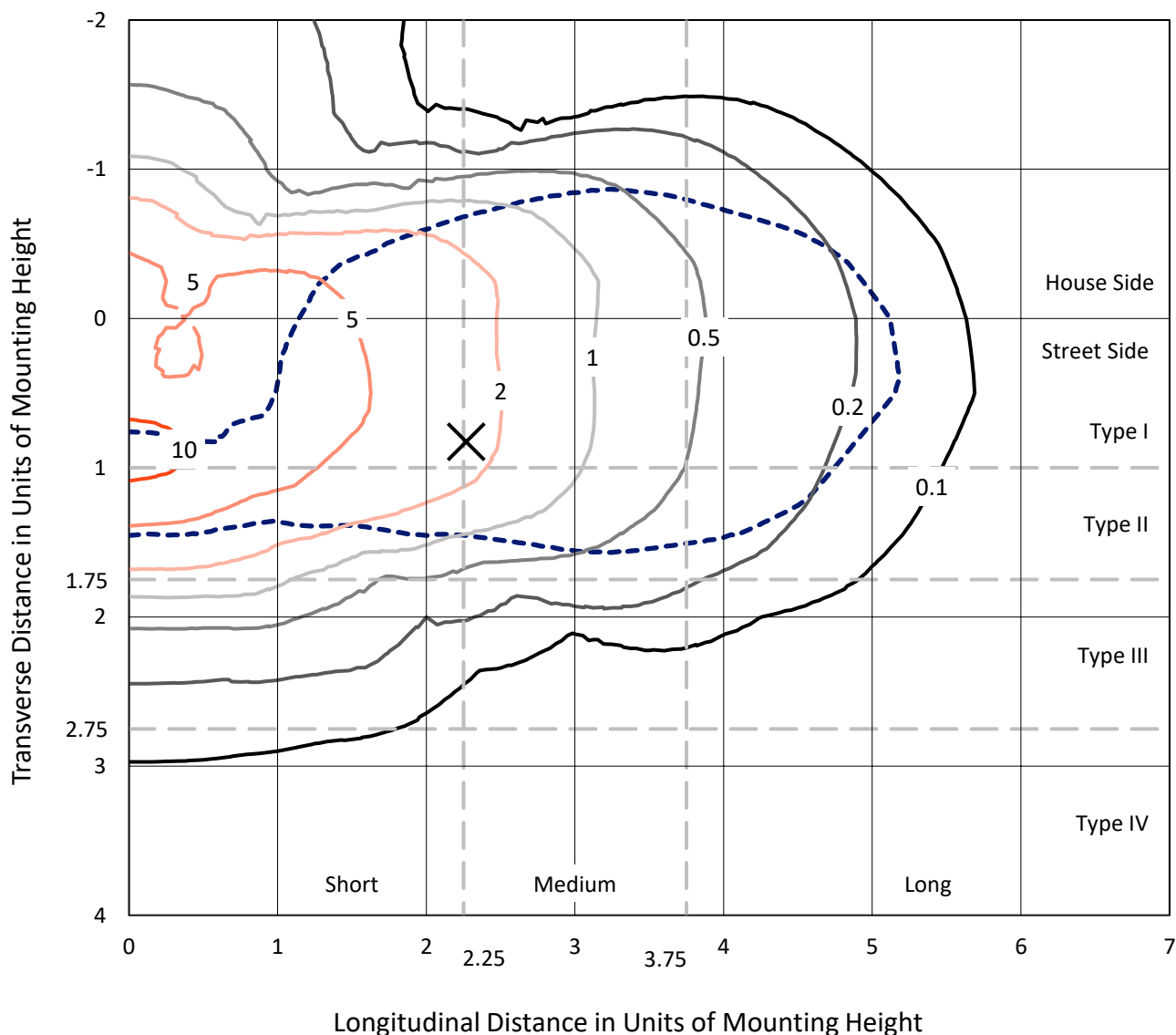
Input Watts (W): 92.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

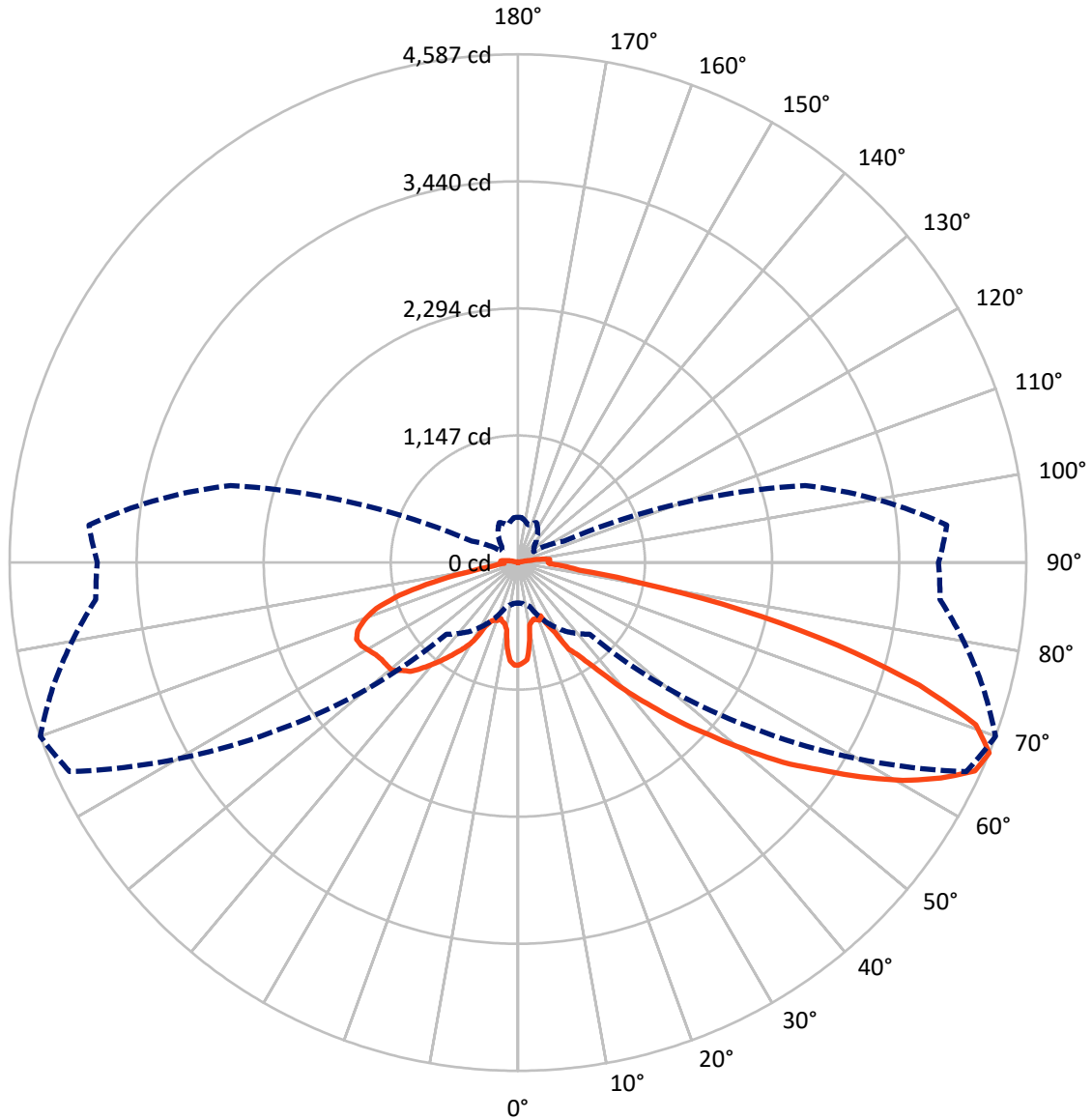
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P561330  
CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

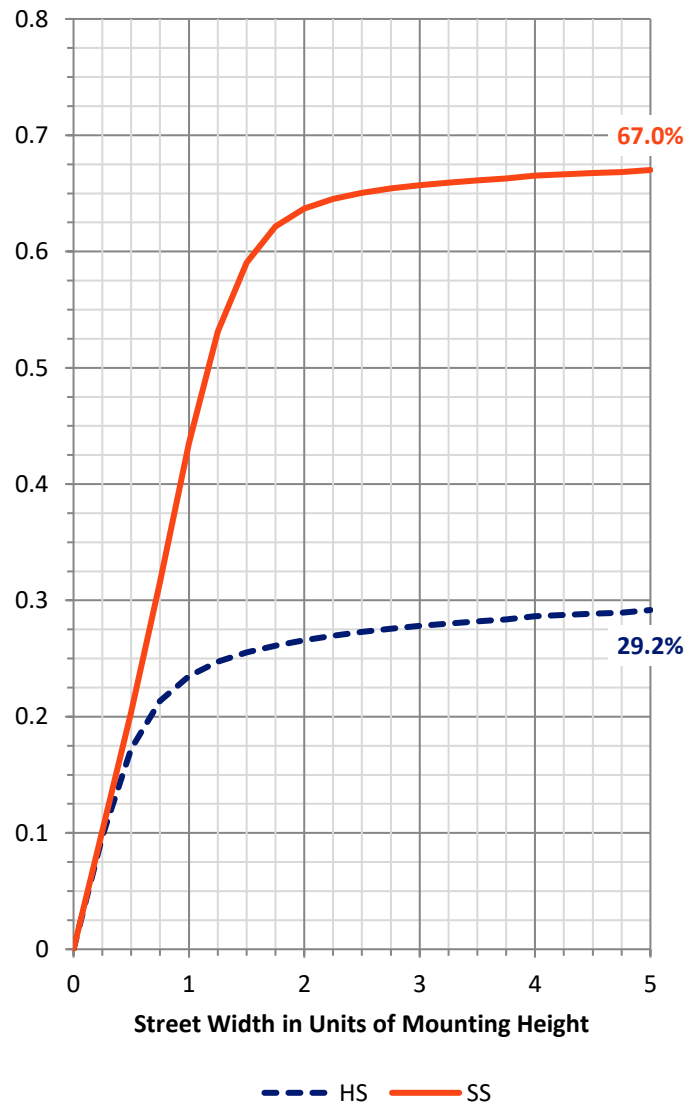
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2148.7	84.3	2233.0
	% Fixture	30.1	1.2	31.3
<b>Street Side</b>	Lumens	4829.5	81.5	4910.9
	% Fixture	67.6	1.1	68.7
<b>Total</b>	Lumens	6978.2	165.7	7143.9
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.1	1.0
10°-20°	171.4	2.4
20°-30°	304.0	4.3
30°-40°	640.7	9.0
40°-50°	1197.8	16.8
50°-60°	1658.8	23.2
60°-70°	1599.5	22.4
70°-80°	1051.6	14.7
80°-90°	280.3	3.9
90°-100°	114.9	1.6
100°-110°	25.1	0.4
110°-120°	10.9	0.2
120°-130°	7.8	0.1
130°-140°	3.5	0.0
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6978.2	97.7
0°-180°	7143.9	100.0



REPORT NUMBER: P561330

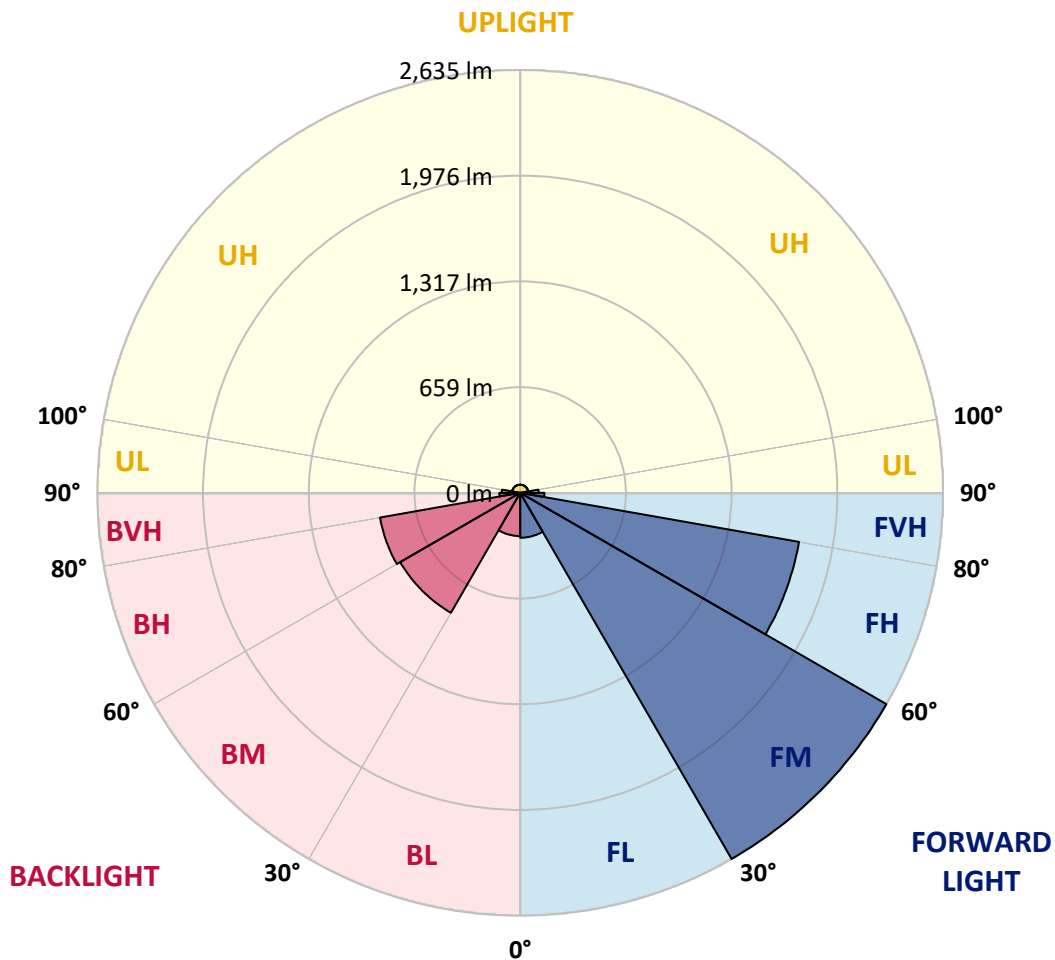
CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.0	3.9			
FM (30°-60°)	2634.6	36.9			
FH (60°-80°)	1764.1	24.7			G1/1800
FVH (80°-90°)	150.8	2.1			G2/225
BL (0°-30°)	269.6	3.8	B1/500		
BM (30°-60°)	862.7	12.1	B1/1000		
BH (60°-80°)	887.0	12.4	B2/1000		G2/1000
BVH (80°-90°)	129.5	1.8			G2/225
UL (90°-100°)	114.9	1.6		U3/500	
UH (100°-180°)	50.8	0.7		U3/500	

**BUG Rating: B2-U3-G2**

Type II Medium





REPORT NUMBER: P561330

CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5
2.5°	771.8	834.5	815.4	875.4	889.1	902.7	905.4	908.2	905.4	908.2	913.6
5°	728.2	730.9	733.6	739.1	739.1	744.5	755.4	870.0	880.9	889.1	900.0
7.5°	608.2	635.5	687.3	706.4	714.5	725.4	730.9	730.9	741.8	769.1	788.2
10°	676.4	670.9	673.6	676.4	638.2	630.0	572.7	564.5	572.7	591.8	681.8
12.5°	567.3	594.5	651.8	665.5	619.1	548.2	540.0	550.9	548.2	493.6	578.2
15°	657.3	654.5	649.1	638.2	518.2	542.7	466.4	471.8	529.1	567.3	646.4
17.5°	572.7	570.0	646.4	624.5	545.5	422.7	531.8	493.6	540.0	499.1	534.5
20°	711.8	709.1	700.9	520.9	556.4	561.8	515.5	477.3	556.4	575.5	649.1
22.5°	646.4	646.4	698.2	684.5	564.5	594.5	490.9	580.9	520.9	529.1	490.9
25°	889.1	880.9	870.0	635.5	679.1	545.5	608.2	534.5	621.8	673.6	706.4
27.5°	861.8	845.4	834.5	842.7	681.8	714.5	602.7	665.5	717.3	739.1	823.6
30°	1210.9	1189.1	1156.4	883.6	848.2	730.9	728.2	823.6	908.2	976.4	1022.7
32.5°	1543.6	1549.1	1380.0	1186.4	938.2	976.4	867.3	965.4	992.7	1063.6	1090.9
35°	1980.0	1925.4	1819.1	1480.9	1142.7	1104.5	1009.1	1101.8	1129.1	1197.3	1213.6
37.5°	2323.6	2326.3	2162.7	1780.9	1369.1	1336.4	1170.0	1265.4	1314.5	1390.9	1363.6
40°	2653.6	2667.3	2536.3	2089.1	1655.4	1565.4	1363.6	1475.4	1543.6	1590.0	1543.6
42.5°	2948.2	2945.4	2855.4	2430.0	1922.7	1870.9	1568.2	1712.7	1772.7	1816.4	1780.9
45°	3180.0	3171.8	3090.0	2708.2	2239.1	2310.0	1835.4	1985.4	2048.2	2097.3	2010.0
47.5°	3259.1	3215.4	3180.0	2910.0	2533.6	2697.3	2165.4	2250.0	2323.6	2408.2	2266.3
50°	3174.5	3117.3	3130.9	3005.4	2781.8	3021.8	2520.0	2555.4	2645.4	2719.1	2509.1
52.5°	2822.7	2809.1	2885.4	2910.0	2888.2	3270.0	2918.2	2817.3	2994.5	3002.7	2760.0
55°	2359.1	2342.7	2522.7	2623.6	2787.3	3368.2	3256.3	3185.4	3300.0	3286.3	2983.6
57.5°	1900.9	1890.0	2053.6	2220.0	2503.6	3313.6	3493.6	3589.1	3646.3	3570.0	3190.9
60°	1273.6	1295.4	1576.4	1800.0	2048.2	2986.3	3583.6	3965.4	3992.7	3829.1	3409.1
62.5°	812.7	842.7	1022.7	1388.2	1530.0	2424.5	3518.2	4300.9	4284.5	4063.6	3610.9
65°	520.9	531.8	619.1	940.9	1096.4	1606.4	3226.3	4530.0	4532.7	4273.6	3771.8
67.5°	365.5	368.2	409.1	586.4	758.2	913.6	2623.6	4464.5	4587.2	4344.5	3823.6
70°	327.3	330.0	340.9	398.2	575.5	567.3	1590.0	3990.0	4385.4	4251.8	3744.5
72.5°	291.8	294.5	313.6	346.4	441.8	444.5	760.9	3177.3	3790.9	3921.8	3510.0
75°	242.7	248.2	270.0	324.5	340.9	373.6	510.0	2233.6	2983.6	3379.1	3231.8
77.5°	204.5	207.3	223.6	275.5	297.3	302.7	436.4	1238.2	2061.8	2487.3	2847.3
80°	163.6	163.6	177.3	218.2	245.5	248.2	390.0	654.5	1142.7	1505.4	1980.0
82.5°	106.4	109.1	125.5	163.6	182.7	245.5	346.4	477.3	559.1	725.4	900.0
85°	68.2	68.2	79.1	92.7	109.1	188.2	305.5	395.5	417.3	455.5	409.1
87.5°	32.7	32.7	30.0	35.5	40.9	70.9	212.7	280.9	283.6	278.2	300.0
90°	27.3	27.3	21.8	24.5	27.3	38.2	160.9	275.5	272.7	283.6	310.9
92.5°	30.0	30.0	21.8	24.5	27.3	32.7	117.3	278.2	286.4	300.0	330.0
95°	32.7	32.7	21.8	21.8	24.5	30.0	73.6	240.0	289.1	302.7	340.9
97.5°	30.0	30.0	16.4	19.1	21.8	27.3	46.4	180.0	226.4	237.3	270.0
100°	27.3	27.3	13.6	16.4	19.1	21.8	30.0	92.7	98.2	73.6	103.6
102.5°	24.5	27.3	10.9	13.6	13.6	13.6	19.1	43.6	43.6	24.5	27.3
105°	24.5	27.3	10.9	10.9	8.2	10.9	10.9	16.4	19.1	13.6	21.8
107.5°	27.3	27.3	10.9	10.9	8.2	8.2	8.2	10.9	13.6	10.9	21.8
110°	24.5	24.5	8.2	10.9	5.5	5.5	5.5	8.2	10.9	10.9	24.5



REPORT NUMBER: P561330  
 CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	16.4	16.4	8.2	10.9	5.5	5.5	5.5	8.2	10.9	13.6	30.0
115°	13.6	10.9	5.5	8.2	5.5	5.5	5.5	8.2	8.2	10.9	24.5
117.5°	13.6	10.9	5.5	5.5	2.7	5.5	5.5	8.2	8.2	10.9	21.8
120°	13.6	13.6	5.5	2.7	2.7	2.7	2.7	5.5	8.2	13.6	24.5
122.5°	16.4	13.6	5.5	5.5	2.7	2.7	2.7	5.5	8.2	13.6	24.5
125°	16.4	16.4	8.2	5.5	2.7	2.7	2.7	5.5	8.2	10.9	21.8
127.5°	16.4	13.6	8.2	5.5	2.7	2.7	2.7	2.7	5.5	8.2	19.1
130°	13.6	13.6	8.2	2.7	2.7	2.7	2.7	2.7	5.5	5.5	13.6
132.5°	10.9	10.9	8.2	2.7	2.7	2.7	2.7	2.7	2.7	5.5	10.9
135°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	8.2
137.5°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.5	5.5	2.7	2.7	2.7	2.7	2.7	2.7
150°	5.5	5.5	10.9	8.2	5.5	2.7	5.5	2.7	2.7	2.7	2.7
152.5°	8.2	8.2	10.9	8.2	2.7	2.7	2.7	5.5	2.7	2.7	2.7
155°	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	5.5	5.5	8.2
157.5°	0.0	0.0	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	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: P561330  
 CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5	924.5
2.5°	916.4	916.4	924.5	927.3	924.5	921.8	905.4	856.4	826.4	829.1	829.1
5°	902.7	905.4	913.6	864.5	804.5	810.0	818.2	820.9	820.9	826.4	826.4
7.5°	796.4	799.1	777.3	785.4	804.5	818.2	823.6	810.0	766.4	750.0	750.0
10°	690.0	690.0	613.6	616.4	638.2	679.1	807.3	820.9	834.5	837.3	834.5
12.5°	583.6	586.4	523.6	602.7	575.5	649.1	744.5	823.6	760.9	698.2	706.4
15°	651.8	657.3	589.1	518.2	531.8	640.9	556.4	763.6	769.1	769.1	769.1
17.5°	523.6	553.6	520.9	534.5	589.1	482.7	630.0	698.2	640.9	624.5	624.5
20°	651.8	651.8	594.5	515.5	545.5	627.3	559.1	621.8	730.9	730.9	728.2
22.5°	485.5	485.5	520.9	597.3	548.2	619.1	591.8	643.6	580.9	580.9	597.3
25°	700.9	692.7	632.7	529.1	624.5	572.7	594.5	561.8	657.3	665.5	660.0
27.5°	845.4	840.0	679.1	608.2	586.4	610.9	534.5	523.6	504.5	580.9	572.7
30°	1000.9	987.3	889.1	733.6	643.6	515.5	482.7	501.8	556.4	559.1	556.4
32.5°	1074.5	1044.5	935.4	878.2	657.3	531.8	433.6	447.3	553.6	586.4	586.4
35°	1175.4	1142.7	1020.0	957.3	654.5	469.1	384.5	433.6	499.1	501.8	501.8
37.5°	1314.5	1265.4	1161.8	1003.6	610.9	414.5	354.5	384.5	430.9	444.5	450.0
40°	1475.4	1412.7	1320.0	1033.6	548.2	349.1	316.4	354.5	390.0	379.1	379.1
42.5°	1701.8	1609.1	1475.4	1080.0	469.1	308.2	289.1	324.5	349.1	354.5	351.8
45°	1914.5	1800.0	1658.2	1096.4	381.8	278.2	270.0	308.2	332.7	324.5	324.5
47.5°	2154.5	2010.0	1794.5	1058.2	313.6	261.8	270.0	297.3	308.2	321.8	321.8
50°	2391.8	2236.3	1993.6	998.2	278.2	250.9	270.0	286.4	308.2	316.4	313.6
52.5°	2607.3	2470.9	2113.6	891.8	259.1	242.7	261.8	286.4	313.6	327.3	327.3
55°	2841.8	2702.7	2222.7	796.4	242.7	226.4	270.0	297.3	305.5	313.6	313.6
57.5°	3019.1	2910.0	2342.7	711.8	231.8	226.4	275.5	310.9	308.2	316.4	316.4
60°	3234.5	3139.1	2451.8	670.9	215.5	215.5	286.4	335.5	313.6	338.2	338.2
62.5°	3463.6	3406.3	2558.2	640.9	199.1	210.0	289.1	354.5	324.5	362.7	365.5
65°	3684.5	3695.4	2656.3	570.0	185.5	210.0	294.5	379.1	335.5	384.5	390.0
67.5°	3796.3	3886.3	2683.6	458.2	171.8	207.3	310.9	398.2	351.8	406.4	409.1
70°	3774.5	3891.8	2620.9	338.2	160.9	218.2	335.5	414.5	360.0	433.6	433.6
72.5°	3583.6	3668.2	2435.4	256.4	150.0	210.0	340.9	420.0	365.5	477.3	477.3
75°	3313.6	3226.3	2004.5	212.7	141.8	210.0	332.7	414.5	360.0	466.4	463.6
77.5°	2874.5	2582.7	1382.7	188.2	133.6	201.8	310.9	403.6	343.6	433.6	439.1
80°	1843.6	1590.0	706.4	163.6	141.8	193.6	300.0	373.6	319.1	387.3	390.0
82.5°	840.0	706.4	321.8	144.5	139.1	174.5	272.7	332.7	278.2	330.0	327.3
85°	354.5	360.0	253.6	122.7	122.7	136.4	201.8	259.1	215.5	231.8	226.4
87.5°	275.5	264.5	174.5	73.6	79.1	60.0	130.9	185.5	141.8	150.0	147.3
90°	291.8	286.4	185.5	76.4	57.3	35.5	98.2	144.5	106.4	95.5	92.7
92.5°	310.9	308.2	207.3	81.8	57.3	30.0	84.5	117.3	76.4	65.5	62.7
95°	332.7	332.7	226.4	87.3	57.3	30.0	76.4	90.0	57.3	43.6	40.9
97.5°	264.5	270.0	193.6	90.0	54.5	30.0	68.2	73.6	43.6	24.5	24.5
100°	106.4	117.3	106.4	90.0	49.1	24.5	54.5	57.3	30.0	13.6	13.6
102.5°	24.5	30.0	73.6	79.1	38.2	16.4	35.5	35.5	19.1	8.2	8.2
105°	24.5	21.8	49.1	62.7	21.8	10.9	16.4	21.8	10.9	5.5	5.5
107.5°	24.5	24.5	21.8	30.0	10.9	8.2	8.2	8.2	5.5	5.5	5.5
110°	27.3	24.5	10.9	10.9	8.2	8.2	5.5	5.5	2.7	16.4	19.1



REPORT NUMBER: P561330  
 CATALOG NUMBER: SDL-PA1-90-827-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.7	30.0	13.6	10.9	8.2	8.2	5.5	5.5	8.2	27.3	27.3
115°	27.3	24.5	13.6	8.2	8.2	8.2	5.5	2.7	8.2	30.0	30.0
117.5°	24.5	21.8	13.6	8.2	5.5	8.2	5.5	2.7	8.2	30.0	30.0
120°	27.3	24.5	13.6	8.2	5.5	5.5	5.5	2.7	8.2	27.3	27.3
122.5°	27.3	27.3	16.4	5.5	5.5	2.7	5.5	2.7	8.2	24.5	24.5
125°	24.5	21.8	13.6	5.5	2.7	2.7	2.7	2.7	10.9	21.8	24.5
127.5°	21.8	19.1	10.9	5.5	2.7	2.7	2.7	2.7	8.2	16.4	19.1
130°	16.4	16.4	8.2	5.5	2.7	2.7	2.7	2.7	8.2	16.4	13.6
132.5°	10.9	10.9	8.2	5.5	2.7	2.7	2.7	2.7	8.2	10.9	10.9
135°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	5.5	8.2	8.2
137.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.5	5.5
140°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	5.5	2.7	2.7	5.5	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	5.5	2.7	2.7	2.7	2.7	8.2	8.2	5.5
155°	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	5.5	2.7	2.7
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	2.7	0.0	0.0	2.7	0.0
160°	0.0	0.0	2.7	2.7	2.7	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)