

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: P561180

Luminaire Tested: **SDL-PA1-80-830-U-T3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561180  
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-PA1-80-830-U-T3-A  
Description: Springdale  
(1) 80 CRI, 3000K, 1050mA 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: 6941.4 lumens  
Efficiency: N/A  
Efficacy: 84.7 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

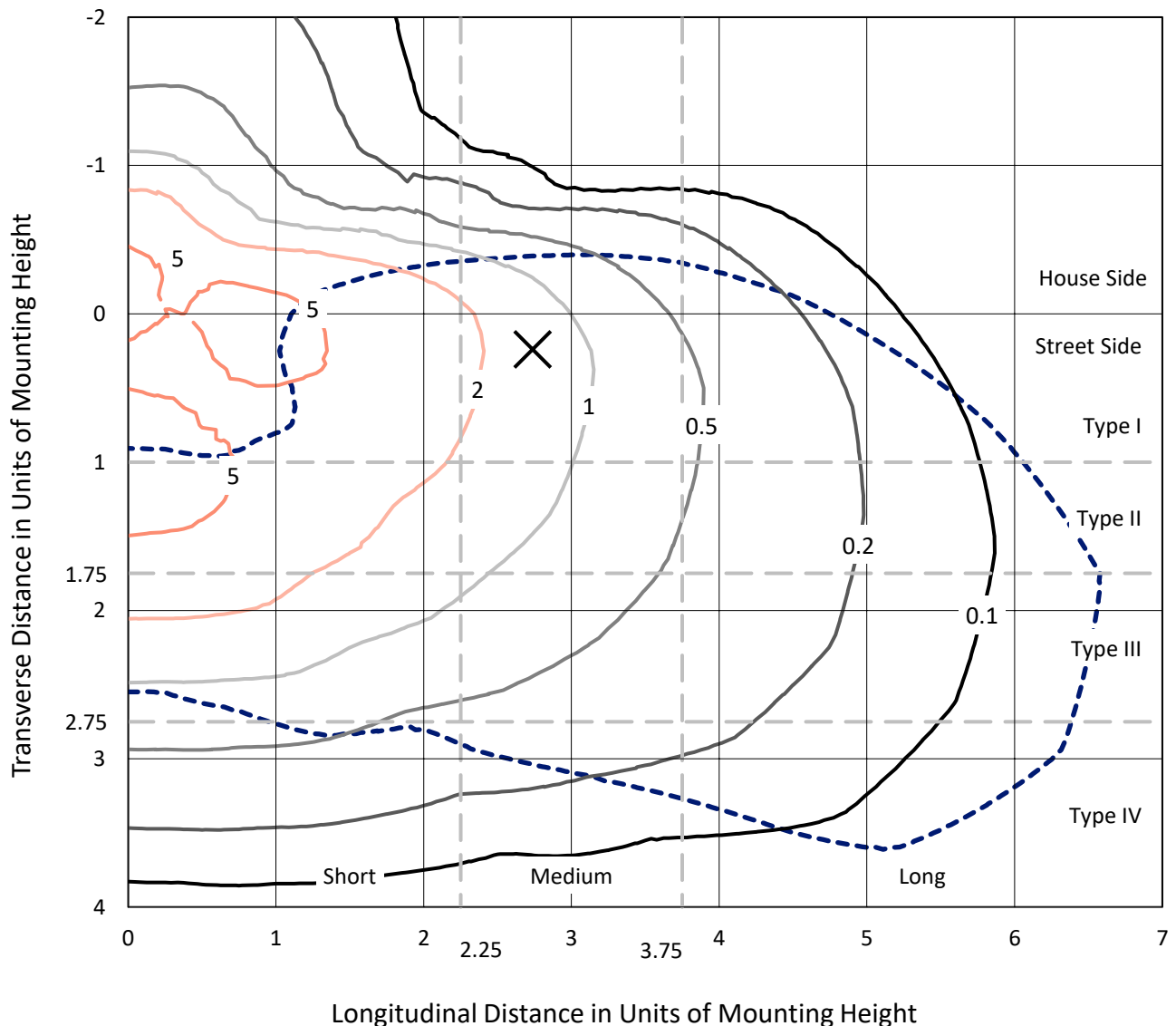
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

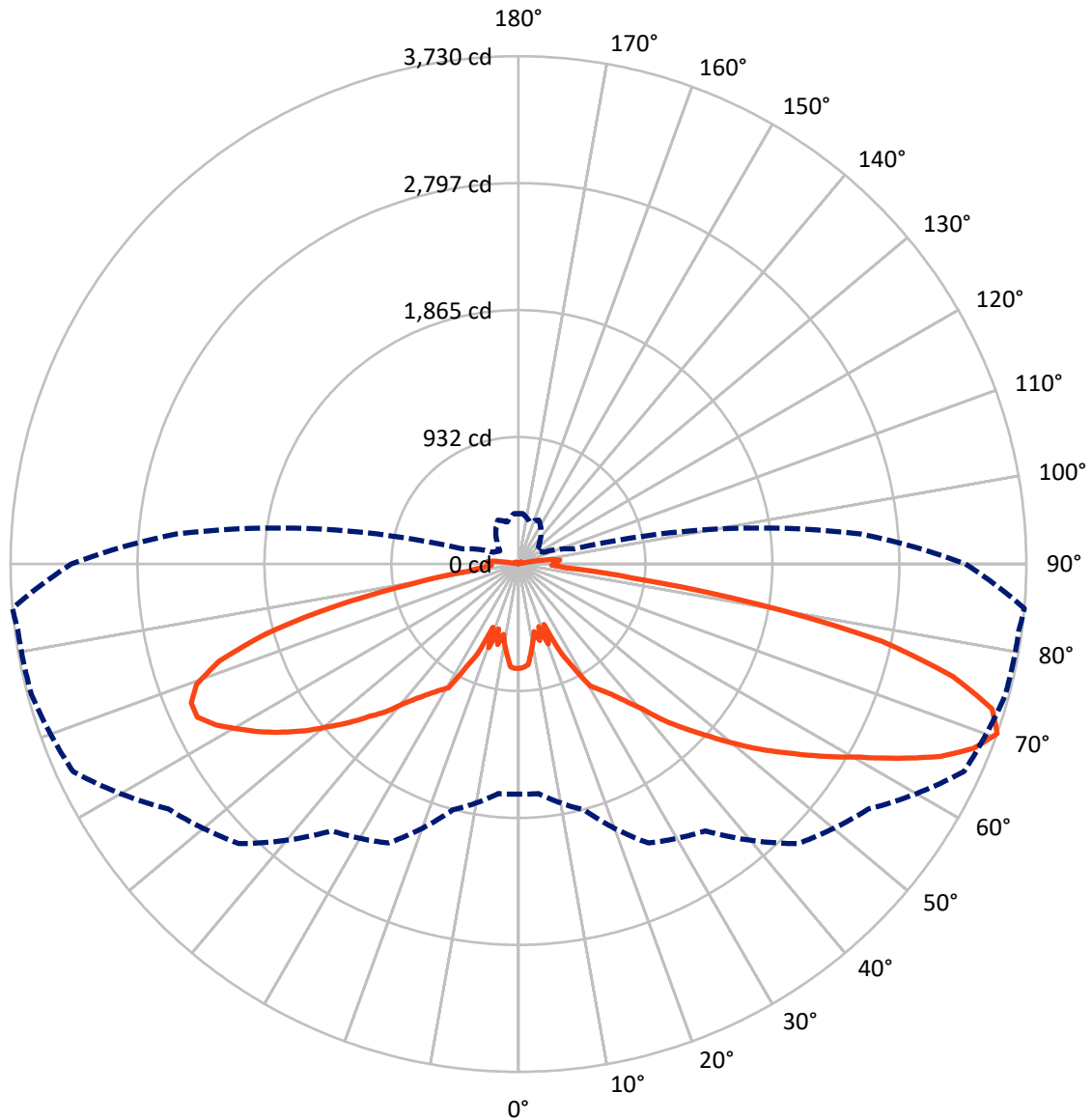
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P561180  
CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P561180

CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

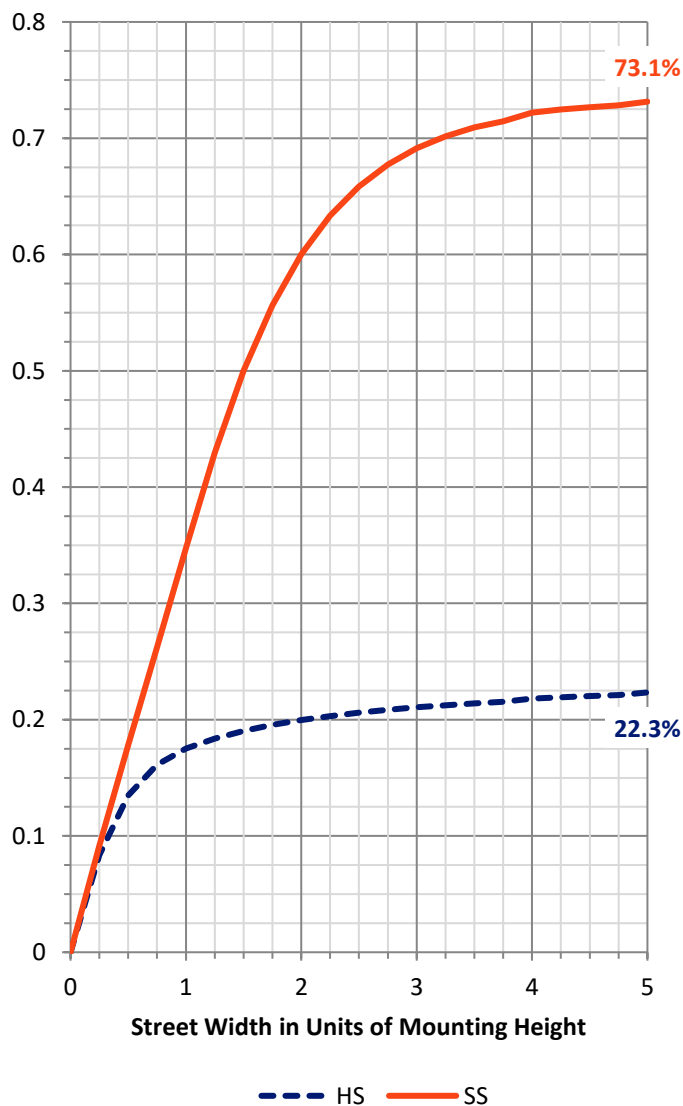
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1632.0	105.1	1737.1
	% Fixture	23.5	1.5	25.0
<b>Street Side</b>	Lumens	5115.5	88.8	5204.3
	% Fixture	73.7	1.3	75.0
<b>Total</b>	Lumens	6747.4	194.0	6941.4
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	0.9
10°-20°	153.1	2.2
20°-30°	279.0	4.0
30°-40°	527.4	7.6
40°-50°	881.4	12.7
50°-60°	1375.6	19.8
60°-70°	1705.9	24.6
70°-80°	1393.7	20.1
80°-90°	368.9	5.3
90°-100°	140.0	2.0
100°-110°	29.9	0.4
110°-120°	9.7	0.1
120°-130°	7.5	0.1
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6747.4	97.2
0°-180°	6941.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P561180

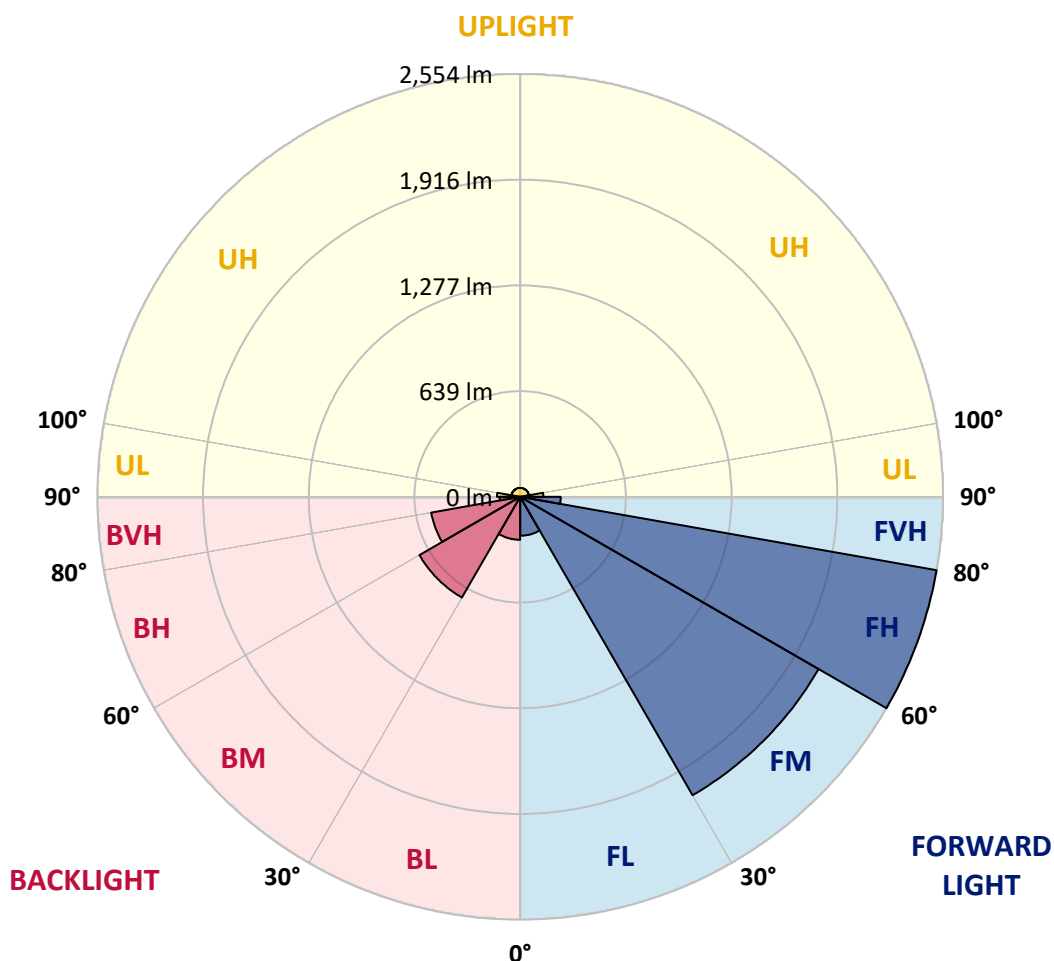
CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.1	3.4			
FM (30°-60°)	2081.4	30.0			
FH (60°-80°)	2554.3	36.8			G2/5000
FVH (80°-90°)	244.7	3.5			G3/500
BL (0°-30°)	259.6	3.7	B1/500		
BM (30°-60°)	703.0	10.1	B1/1000		
BH (60°-80°)	545.3	7.9	B2/1000		G2/1000
BVH (80°-90°)	124.2	1.8			G2/225
UL (90°-100°)	140.0	2.0		U3/500	
UH (100°-180°)	53.9	0.8		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





REPORT NUMBER: P561180

CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9
2.5°	635.1	697.0	686.2	705.0	715.8	731.9	742.7	748.1	753.5	758.8	758.8
5°	589.3	592.0	594.7	597.4	602.8	610.8	618.9	705.0	731.9	742.7	742.7
7.5°	538.2	535.5	546.3	559.7	578.6	589.3	597.4	600.1	629.7	653.9	659.3
10°	535.5	538.2	538.2	543.6	511.3	508.6	470.9	473.6	514.0	575.9	578.6
12.5°	465.5	479.0	508.6	530.1	497.8	446.7	438.6	460.1	430.5	505.9	508.6
15°	519.4	516.7	516.7	495.1	419.8	441.3	392.9	409.0	500.5	570.5	583.9
17.5°	452.1	446.7	500.5	484.4	435.9	368.7	441.3	435.9	452.1	492.4	484.4
20°	567.8	562.4	551.6	419.8	441.3	462.8	449.4	419.8	530.1	592.0	627.0
22.5°	530.1	535.5	562.4	532.8	454.8	476.3	425.2	516.7	500.5	476.3	481.7
25°	723.9	718.5	691.6	522.0	543.6	444.0	519.4	460.1	635.1	705.0	710.4
27.5°	667.4	659.3	640.4	656.6	551.6	581.2	505.9	602.8	702.3	826.1	863.8
30°	885.3	877.2	855.7	662.0	656.6	575.9	613.5	740.0	947.2	1041.4	1038.7
32.5°	1141.0	1081.8	949.9	847.6	702.3	748.1	702.3	871.9	1009.1	1100.6	1100.6
35°	1297.0	1286.3	1216.3	984.9	818.0	815.4	807.3	960.7	1114.0	1178.6	1173.2
37.5°	1428.9	1447.7	1396.6	1141.0	923.0	944.5	904.2	1081.8	1243.2	1280.9	1275.5
40°	1611.9	1606.5	1579.6	1275.5	1052.2	1049.5	1019.9	1227.1	1385.8	1412.7	1399.3
42.5°	1883.7	1854.1	1773.3	1455.8	1189.4	1189.4	1135.6	1364.3	1560.7	1563.4	1571.5
45°	2217.3	2203.9	2061.3	1735.7	1367.0	1364.3	1275.5	1509.6	1738.3	1751.8	1727.6
47.5°	2448.7	2408.4	2338.4	1991.3	1641.5	1579.6	1445.0	1652.2	1950.9	1940.2	1891.7
50°	2677.5	2645.2	2580.6	2271.1	1926.7	1802.9	1603.8	1800.2	2155.4	2125.8	2080.1
52.5°	2873.9	2830.9	2760.9	2499.9	2177.0	2080.1	1786.8	1934.8	2362.6	2314.2	2271.1
55°	2986.9	2898.1	2903.5	2704.4	2365.3	2287.3	1991.3	2152.7	2564.5	2494.5	2459.5
57.5°	2847.0	2841.6	2930.4	2830.9	2537.6	2459.5	2209.3	2370.7	2774.4	2682.9	2666.7
60°	2707.1	2723.2	2849.7	2868.5	2672.1	2615.6	2397.6	2680.2	2978.9	2879.3	2879.3
62.5°	2513.3	2559.1	2736.7	2882.0	2685.6	2769.0	2594.1	2943.9	3202.2	3110.7	3140.3
65°	2292.7	2292.7	2497.2	2771.7	2642.5	2871.2	2812.0	3231.8	3398.6	3344.8	3406.7
67.5°	1991.3	1996.7	2209.3	2556.4	2564.5	2922.4	2986.9	3457.9	3603.2	3562.8	3608.5
70°	1689.9	1692.6	1870.2	2260.4	2392.2	2903.5	3137.6	3608.5	3702.7	3708.1	3729.6
72.5°	1264.7	1310.5	1477.3	1835.2	2093.5	2825.5	3215.7	3651.6	3700.0	3708.1	3638.1
75°	680.8	702.3	888.0	1194.8	1555.4	2505.3	3191.4	3605.9	3570.9	3476.7	3293.7
77.5°	236.8	247.6	312.1	522.0	882.6	1773.3	2960.0	3406.7	3293.7	2997.7	2728.6
80°	153.4	153.4	169.5	250.3	400.9	839.6	2298.1	2919.7	2653.3	2020.9	1770.6
82.5°	107.6	110.3	123.8	166.8	258.3	360.6	1194.8	1482.7	1461.2	1006.4	847.6
85°	78.0	80.7	86.1	96.9	177.6	223.3	465.5	713.1	659.3	360.6	339.1
87.5°	35.0	40.4	35.0	43.1	70.0	137.2	223.3	220.7	209.9	239.5	244.9
90°	26.9	26.9	21.5	24.2	48.4	123.8	207.2	199.1	212.6	261.0	258.3
92.5°	26.9	26.9	21.5	24.2	45.7	123.8	218.0	193.7	220.7	279.9	282.5
95°	26.9	29.6	21.5	21.5	37.7	126.5	231.4	207.2	234.1	304.1	304.1
97.5°	24.2	24.2	16.1	18.8	29.6	115.7	231.4	177.6	172.2	244.9	242.2
100°	18.8	21.5	10.8	16.1	21.5	70.0	172.2	110.3	48.4	56.5	86.1
102.5°	18.8	18.8	10.8	13.5	16.1	29.6	91.5	64.6	13.5	18.8	18.8
105°	18.8	21.5	10.8	10.8	10.8	13.5	43.1	32.3	10.8	16.1	18.8
107.5°	21.5	21.5	8.1	8.1	8.1	8.1	16.1	13.5	10.8	18.8	21.5
110°	21.5	21.5	8.1	8.1	5.4	5.4	8.1	8.1	10.8	18.8	21.5



REPORT NUMBER: P561180  
 CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	18.8	18.8	8.1	8.1	5.4	5.4	5.4	8.1	10.8	16.1	18.8
115°	13.5	13.5	5.4	8.1	5.4	5.4	5.4	8.1	8.1	13.5	16.1
117.5°	13.5	10.8	5.4	5.4	2.7	5.4	5.4	8.1	10.8	18.8	18.8
120°	13.5	13.5	5.4	2.7	2.7	2.7	2.7	5.4	13.5	21.5	24.2
122.5°	13.5	13.5	5.4	2.7	2.7	2.7	2.7	5.4	13.5	21.5	24.2
125°	16.1	13.5	8.1	2.7	2.7	2.7	2.7	2.7	10.8	18.8	21.5
127.5°	13.5	13.5	8.1	2.7	2.7	2.7	2.7	2.7	8.1	16.1	18.8
130°	13.5	13.5	8.1	2.7	2.7	2.7	2.7	2.7	8.1	13.5	13.5
132.5°	10.8	10.8	8.1	2.7	2.7	2.7	2.7	2.7	5.4	10.8	10.8
135°	10.8	10.8	5.4	2.7	2.7	2.7	2.7	2.7	2.7	8.1	8.1
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
140°	0.0	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.1	8.1	8.1	5.4	5.4	2.7	5.4	2.7	2.7	2.7	2.7
152.5°	8.1	8.1	10.8	5.4	2.7	2.7	2.7	5.4	2.7	2.7	2.7
155°	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4	8.1
157.5°	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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: P561180  
 CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9	766.9
2.5°	761.5	766.9	769.6	777.7	777.7	777.7	758.8	713.1	713.1	715.8	718.5
5°	750.8	756.2	766.9	729.2	691.6	688.9	702.3	710.4	713.1	715.8	710.4
7.5°	664.7	675.4	670.0	672.7	691.6	710.4	726.6	715.8	688.9	670.0	675.4
10°	592.0	602.8	543.6	549.0	570.5	624.3	713.1	742.7	761.5	769.6	769.6
12.5°	519.4	527.4	476.3	551.6	514.0	597.4	694.3	766.9	694.3	664.7	664.7
15°	594.7	610.8	549.0	489.7	500.5	605.5	532.8	731.9	753.5	758.8	764.2
17.5°	508.6	497.8	508.6	516.7	562.4	470.9	610.8	688.9	645.8	629.7	637.8
20°	640.4	651.2	594.7	508.6	514.0	600.1	543.6	616.2	734.6	737.3	742.7
22.5°	487.1	500.5	532.8	605.5	530.1	581.2	573.2	640.4	600.1	602.8	624.3
25°	715.8	726.6	670.0	540.9	578.6	524.7	578.6	570.5	672.7	678.1	678.1
27.5°	877.2	853.0	731.9	610.8	508.6	554.3	522.0	543.6	519.4	592.0	602.8
30°	1044.1	1044.1	949.9	680.8	538.2	470.9	476.3	516.7	575.9	586.6	586.6
32.5°	1095.2	1092.5	971.4	737.3	530.1	487.1	438.6	487.1	589.3	640.4	645.8
35°	1167.9	1157.1	1009.1	718.5	511.3	444.0	414.4	489.7	565.1	573.2	567.8
37.5°	1259.4	1232.4	1054.8	683.5	468.2	417.1	398.3	441.3	505.9	505.9	505.9
40°	1372.4	1329.3	1071.0	635.1	422.5	382.1	363.3	409.0	452.1	427.9	419.8
42.5°	1525.8	1461.2	1084.4	600.1	382.1	352.5	328.3	371.3	392.9	379.4	374.0
45°	1668.4	1571.5	1106.0	562.4	349.8	325.6	304.1	341.7	357.9	344.4	341.7
47.5°	1837.9	1708.7	1108.7	527.4	325.6	304.1	287.9	320.2	331.0	331.0	328.3
50°	2012.8	1840.6	1130.2	497.8	301.4	282.5	279.9	304.1	312.1	306.8	304.1
52.5°	2211.9	1988.6	1138.3	460.1	271.8	258.3	271.8	287.9	312.1	314.8	314.8
55°	2424.5	2125.8	1132.9	409.0	250.3	244.9	263.7	298.7	320.2	304.1	301.4
57.5°	2631.7	2263.1	1135.6	352.5	228.7	239.5	266.4	312.1	328.3	309.5	301.4
60°	2817.4	2386.9	1097.9	301.4	212.6	226.0	277.2	325.6	320.2	325.6	317.5
62.5°	3046.1	2516.0	990.3	269.1	199.1	220.7	277.2	333.7	312.1	333.7	333.7
65°	3234.5	2612.9	836.9	242.2	188.4	220.7	279.9	336.4	304.1	339.1	339.1
67.5°	3315.2	2610.2	605.5	220.7	174.9	215.3	279.9	347.1	312.1	349.8	347.1
70°	3282.9	2521.4	427.9	204.5	166.8	218.0	290.6	355.2	320.2	371.3	368.7
72.5°	3065.0	2311.5	309.5	191.1	156.1	207.2	298.7	366.0	328.3	403.6	403.6
75°	2699.0	1932.1	250.3	177.6	145.3	204.5	301.4	371.3	333.7	409.0	409.0
77.5°	2063.9	1388.5	209.9	164.1	134.5	199.1	298.7	379.4	331.0	409.0	409.0
80°	1237.8	791.1	174.9	148.0	137.2	196.4	304.1	379.4	331.0	403.6	403.6
82.5°	570.5	363.3	156.1	123.8	129.2	193.7	309.5	374.0	317.5	403.6	387.5
85°	317.5	255.6	134.5	104.9	115.7	183.0	293.3	336.4	285.2	333.7	328.3
87.5°	236.8	199.1	86.1	53.8	75.3	129.2	226.0	266.4	215.3	258.3	255.6
90°	252.9	209.9	78.0	53.8	80.7	118.4	212.6	236.8	199.1	239.5	236.8
92.5°	271.8	220.7	78.0	56.5	91.5	129.2	212.6	231.4	196.4	218.0	220.7
95°	285.2	228.7	75.3	61.9	96.9	139.9	207.2	212.6	180.3	188.4	196.4
97.5°	223.3	172.2	67.3	64.6	94.2	113.0	169.5	166.8	123.8	115.7	115.7
100°	70.0	48.4	59.2	67.3	56.5	53.8	99.6	118.4	72.7	48.4	45.7
102.5°	21.5	18.8	53.8	64.6	43.1	24.2	53.8	75.3	53.8	8.1	10.8
105°	21.5	21.5	35.0	53.8	29.6	10.8	21.5	40.4	32.3	8.1	8.1
107.5°	21.5	18.8	13.5	29.6	10.8	8.1	10.8	10.8	10.8	8.1	8.1
110°	21.5	21.5	10.8	10.8	8.1	8.1	8.1	5.4	5.4	13.5	13.5



REPORT NUMBER: P561180  
 CATALOG NUMBER: SDL-PA1-80-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.5	21.5	10.8	10.8	8.1	8.1	5.4	5.4	8.1	18.8	18.8
115°	18.8	18.8	10.8	8.1	5.4	8.1	5.4	5.4	8.1	21.5	21.5
117.5°	21.5	21.5	10.8	8.1	5.4	5.4	5.4	2.7	8.1	24.2	26.9
120°	26.9	24.2	13.5	5.4	5.4	5.4	5.4	5.4	10.8	21.5	24.2
122.5°	26.9	26.9	13.5	5.4	2.7	2.7	2.7	5.4	10.8	21.5	24.2
125°	24.2	24.2	13.5	5.4	2.7	2.7	2.7	2.7	10.8	18.8	18.8
127.5°	21.5	21.5	10.8	5.4	2.7	2.7	2.7	2.7	8.1	16.1	18.8
130°	16.1	16.1	8.1	5.4	2.7	2.7	2.7	2.7	8.1	13.5	16.1
132.5°	13.5	13.5	8.1	5.4	2.7	2.7	2.7	2.7	8.1	10.8	13.5
135°	8.1	8.1	5.4	2.7	2.7	2.7	2.7	2.7	5.4	8.1	10.8
137.5°	5.4	5.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4
140°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	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	2.7	2.7	2.7	5.4	5.4	8.1	5.4
152.5°	2.7	2.7	2.7	5.4	2.7	0.0	0.0	5.4	5.4	8.1	8.1
155°	8.1	8.1	5.4	2.7	2.7	0.0	0.0	0.0	5.4	5.4	5.4
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
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)