

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: P560691

Luminaire Tested: **SDL-PA1-60-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210.2 lumens
Efficiency: N/A
Efficacy: 99.5 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: B1 - U0 - G2

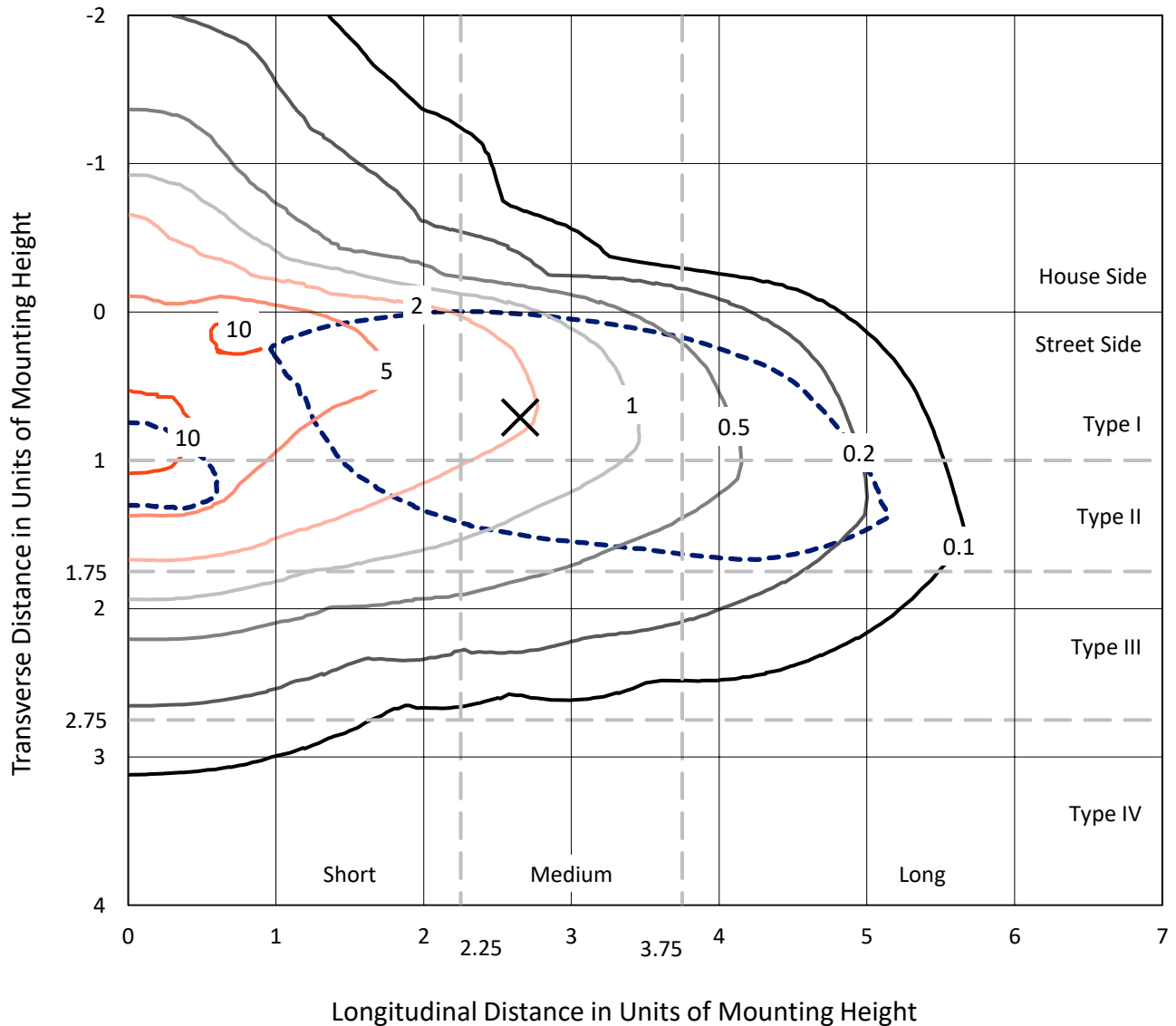
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

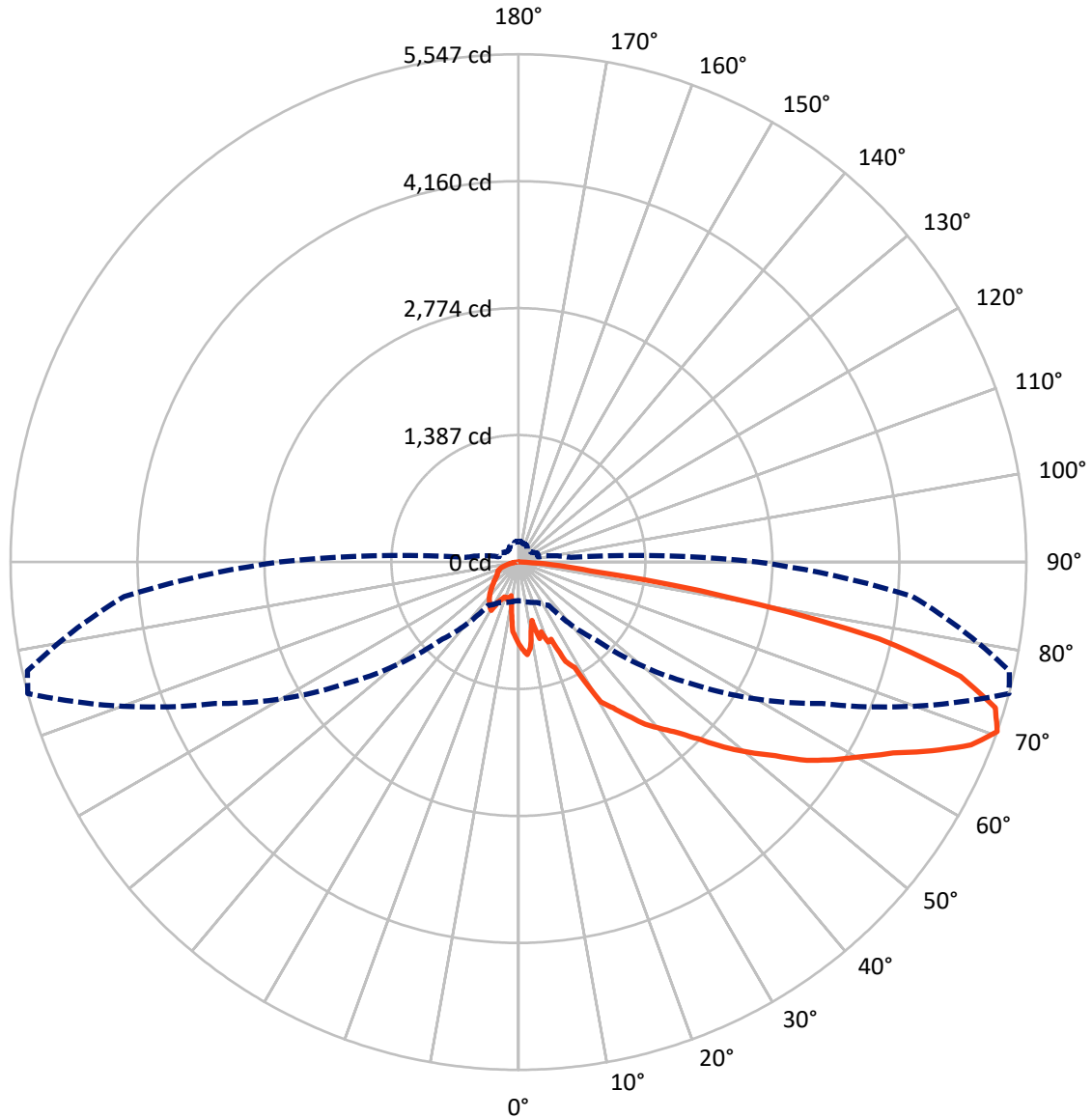
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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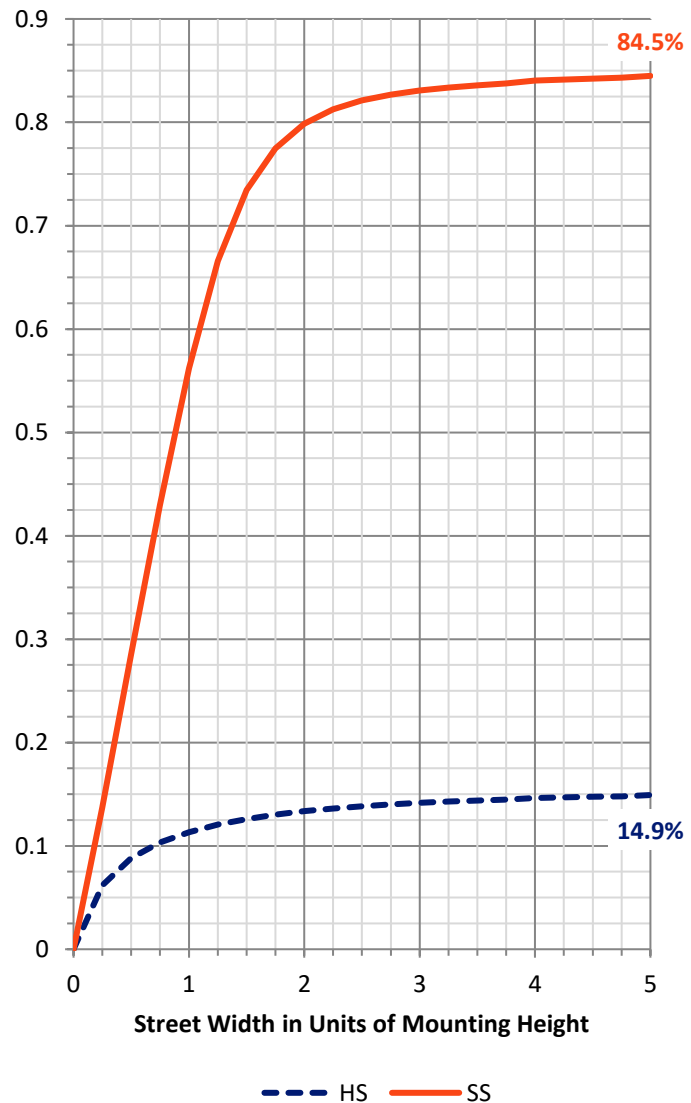
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	944.7	0.0	944.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5265.5	0.0	5265.5
	% Fixture	84.8	0.0	84.8
Total	Lumens	6210.2	0.0	6210.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.2
10°-20°	197.3	3.2
20°-30°	360.7	5.8
30°-40°	732.2	11.8
40°-50°	1123.8	18.1
50°-60°	1354.7	21.8
60°-70°	1310.2	21.1
70°-80°	908.8	14.6
80°-90°	148.4	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6210.2	100.0
0°-180°	6210.2	100.0



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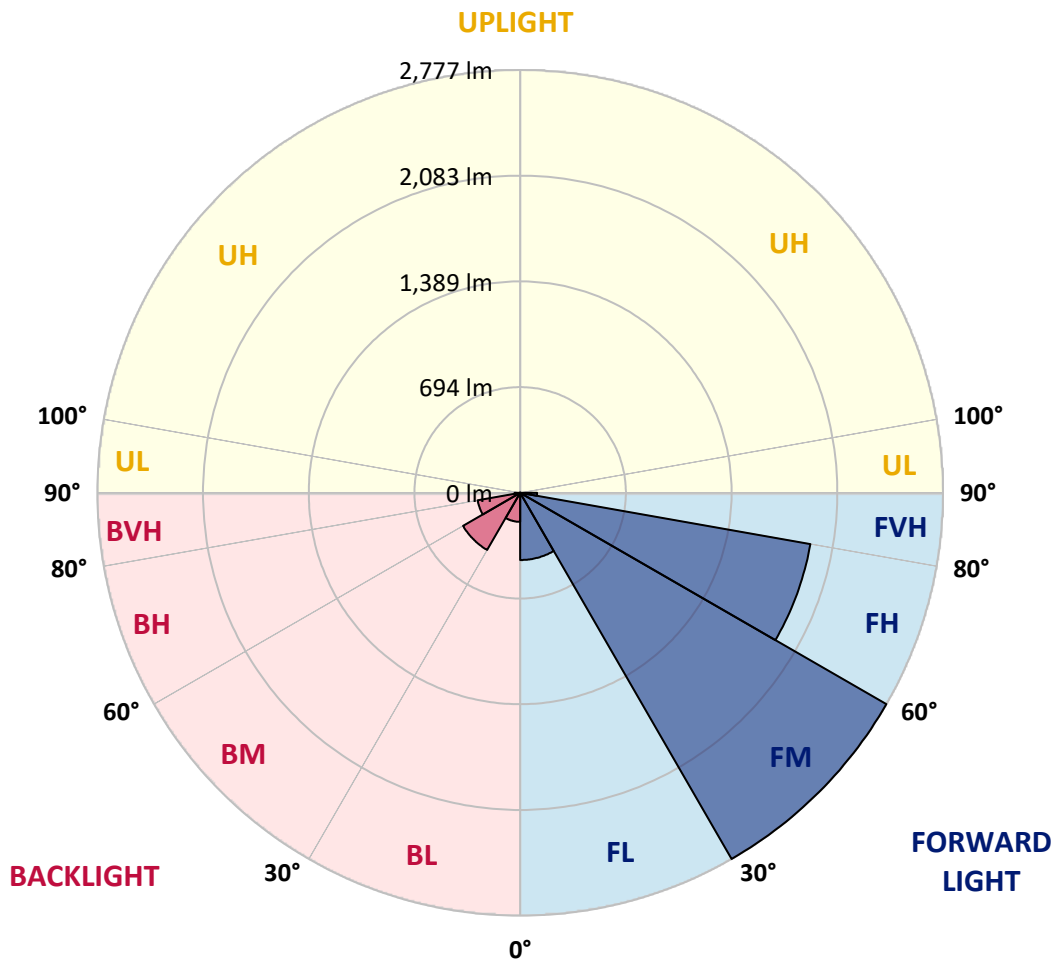
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.4	7.1			
FM (30°-60°)	2777.4	44.7			
FH (60°-80°)	1935.6	31.2			G2/5000
FVH (80°-90°)	111.1	1.8			G2/225
BL (0°-30°)	190.7	3.1	B1/500		
BM (30°-60°)	433.3	7.0	B1/1000		
BH (60°-80°)	283.4	4.6	B1/500		G1/500
BVH (80°-90°)	37.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5
2.5°	931.7	1020.8	977.4	1027.7	1052.8	1036.8	1023.1	988.8	959.2	947.7	918.0
5°	1027.7	1025.4	1014.0	1009.4	988.8	963.7	943.2	1057.3	1016.2	995.7	943.2
7.5°	911.2	988.8	1045.9	1075.6	1075.6	1045.9	1014.0	874.7	945.4	927.2	851.8
10°	1144.1	1144.1	1141.8	1144.1	938.6	988.8	849.5	790.2	765.0	824.4	765.0
12.5°	972.9	1057.3	1153.3	1187.5	1093.9	934.0	870.1	835.8	655.4	641.7	678.3
15°	1144.1	1151.0	1160.1	1020.8	867.8	991.1	758.2	751.3	867.8	847.2	856.4
17.5°	918.0	927.2	1125.9	1100.7	1009.4	751.3	945.4	845.0	801.6	774.2	771.9
20°	1157.8	1162.4	1160.1	870.1	931.7	1023.1	979.7	744.5	934.0	945.4	956.9
22.5°	979.7	982.0	993.4	1107.6	943.2	1066.5	883.8	1109.9	915.8	943.2	712.5
25°	1317.7	1317.7	1276.6	998.0	1141.8	972.9	1075.6	954.6	1201.2	1169.2	1071.1
27.5°	1228.6	1219.5	1171.5	1235.5	1029.9	1230.9	1064.2	1198.9	1304.0	1258.3	1299.4
30°	1726.5	1737.9	1676.2	1283.4	1253.7	1180.7	1226.3	1420.5	1774.4	1749.3	1562.0
32.5°	2311.1	2203.8	1922.9	1662.5	1370.2	1441.0	1370.2	1676.2	1900.0	1904.6	1653.4
35°	2594.3	2585.1	2464.1	1961.7	1575.7	1575.7	1536.9	1749.3	2062.2	2032.5	1751.6
37.5°	2820.4	2806.7	2722.2	2217.5	1760.7	1751.6	1626.0	1861.2	2247.2	2171.8	1858.9
40°	3012.2	2993.9	2920.8	2395.6	1961.7	1918.3	1735.6	1989.1	2391.0	2397.9	1961.7
42.5°	3140.1	3133.2	3080.7	2557.7	2128.4	2050.8	1881.8	2153.5	2544.0	2582.9	2089.6
45°	3240.6	3238.3	3192.6	2735.9	2247.2	2171.8	2037.1	2276.8	2754.1	2777.0	2226.6
47.5°	3252.0	3261.1	3261.1	2824.9	2329.4	2279.1	2196.9	2386.5	3021.3	2973.4	2386.5
50°	3133.2	3142.4	3199.5	2973.4	2400.2	2368.2	2333.9	2518.9	3265.7	3194.9	2555.5
52.5°	2829.5	2850.0	3005.3	2900.3	2436.7	2434.4	2461.8	2690.2	3514.6	3439.2	2779.3
55°	2176.4	2190.1	2576.0	2685.6	2425.3	2450.4	2557.7	2902.6	3822.9	3756.7	3014.5
57.5°	1662.5	1701.4	1943.4	2279.1	2299.7	2436.7	2619.4	3051.0	4071.8	4005.6	3231.4
60°	1338.2	1365.6	1507.2	1801.8	2030.2	2377.3	2703.9	3236.0	4313.9	4281.9	3464.4
62.5°	1048.2	1066.5	1164.7	1358.8	1648.8	2238.0	2756.4	3437.0	4592.5	4576.5	3768.1
65°	751.3	769.6	856.4	984.3	1274.3	1975.4	2731.3	3628.8	4967.0	4951.0	4062.7
67.5°	548.1	552.7	609.7	696.5	904.3	1598.6	2608.0	3749.8	5332.4	5300.4	4288.8
70°	422.5	427.1	454.5	486.4	577.8	1210.4	2320.2	3658.5	5547.1	5492.3	4323.0
72.5°	342.6	342.6	354.0	370.0	395.1	790.2	1822.4	3299.9	5446.6	5339.3	4037.6
75°	287.7	287.7	294.6	290.0	276.3	493.3	1267.4	2756.4	4987.6	4852.8	3514.6
77.5°	242.1	239.8	239.8	242.1	214.7	335.7	774.2	2123.8	4030.7	3900.5	2605.7
80°	198.7	198.7	198.7	198.7	175.8	239.8	461.3	1409.0	2315.7	2021.1	1194.4
82.5°	146.2	148.4	155.3	155.3	146.2	175.8	239.8	589.2	792.4	701.1	422.5
85°	68.5	70.8	91.3	95.9	93.6	86.8	125.6	264.9	370.0	335.7	98.2
87.5°	2.3	2.3	9.1	20.6	18.3	13.7	25.1	36.5	13.7	16.0	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5	897.5
2.5°	897.5	876.9	829.0	787.9	744.5	714.8	648.6	600.6	575.5	570.9	577.8
5°	902.1	856.4	760.5	639.4	548.1	525.2	516.1	513.8	511.5	511.5	511.5
7.5°	794.7	735.3	591.5	502.4	516.1	516.1	516.1	509.3	468.2	449.9	449.9
10°	701.1	623.4	440.8	406.5	408.8	429.3	484.1	541.2	552.7	554.9	557.2
12.5°	607.5	532.1	374.5	395.1	356.3	422.5	500.1	557.2	502.4	475.0	475.0
15°	765.0	657.7	433.9	347.1	351.7	422.5	381.4	516.1	552.7	554.9	557.2
17.5°	689.7	580.1	404.2	365.4	385.9	322.0	436.2	488.7	449.9	445.3	440.8
20°	838.1	689.7	422.5	363.1	360.8	390.5	370.0	370.0	502.4	502.4	502.4
22.5°	621.2	511.5	411.1	408.8	344.8	385.9	367.7	411.1	395.1	388.2	388.2
25°	911.2	721.6	449.9	358.5	370.0	340.3	379.1	338.0	417.9	422.5	422.5
27.5°	1093.9	847.2	488.7	397.4	340.3	365.4	312.9	340.3	322.0	324.3	324.3
30°	1304.0	993.4	607.5	415.6	349.4	301.4	310.6	294.6	349.4	342.6	340.3
32.5°	1361.1	1002.5	584.6	440.8	340.3	303.7	280.9	303.7	324.3	354.0	354.0
35°	1427.3	1011.7	552.7	420.2	333.4	283.2	278.6	303.7	328.9	319.7	319.7
37.5°	1489.0	1018.5	527.5	395.1	306.0	276.3	276.3	280.9	306.0	292.3	292.3
40°	1559.8	1020.8	497.8	367.7	283.2	271.8	255.8	260.3	262.6	253.5	251.2
42.5°	1639.7	1018.5	463.6	342.6	262.6	253.5	242.1	242.1	248.9	246.6	244.4
45°	1726.5	1016.2	427.1	312.9	239.8	228.4	221.5	248.9	260.3	260.3	255.8
47.5°	1831.5	1016.2	392.8	278.6	223.8	205.5	201.0	230.7	253.5	258.1	262.6
50°	1952.6	1011.7	360.8	253.5	207.8	191.8	198.7	228.4	246.6	253.5	251.2
52.5°	2110.1	1002.5	333.4	232.9	196.4	175.8	187.3	221.5	244.4	246.6	244.4
55°	2247.2	970.6	306.0	223.8	187.3	166.7	180.4	219.2	239.8	239.8	239.8
57.5°	2363.6	924.9	283.2	217.0	185.0	164.4	178.1	217.0	230.7	237.5	237.5
60°	2505.2	867.8	267.2	214.7	182.7	162.1	175.8	214.7	226.1	235.2	235.2
62.5°	2651.4	819.8	258.1	214.7	175.8	164.4	175.8	214.7	223.8	235.2	232.9
65°	2770.1	758.2	248.9	219.2	173.6	164.4	175.8	214.7	221.5	232.9	232.9
67.5°	2763.3	673.7	237.5	230.7	175.8	166.7	175.8	212.4	217.0	232.9	228.4
70°	2608.0	575.5	219.2	228.4	182.7	166.7	173.6	205.5	207.8	228.4	221.5
72.5°	2327.1	465.9	194.1	214.7	182.7	169.0	169.0	196.4	196.4	219.2	205.5
75°	1948.0	358.5	159.9	189.5	173.6	173.6	159.9	185.0	180.4	194.1	180.4
77.5°	1452.4	271.8	123.3	157.6	157.6	171.3	153.0	171.3	164.4	166.7	159.9
80°	605.2	164.4	93.6	123.3	134.7	166.7	146.2	155.3	139.3	139.3	134.7
82.5°	251.2	105.0	63.9	77.6	91.3	148.4	139.3	132.5	114.2	105.0	98.2
85°	91.3	57.1	43.4	52.5	59.4	102.8	100.5	84.5	66.2	73.1	59.4
87.5°	6.9	9.1	9.1	11.4	11.4	13.7	22.8	22.8	13.7	11.4	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560691
 CATALOG NUMBER: SDL-PA1-60-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)