

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: P560802

Luminaire Tested: **SDL-PA1-60-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560802
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-PA1-60-827-U-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA 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: 5236.9 lumens
Efficiency: N/A
Efficacy: 83.9 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

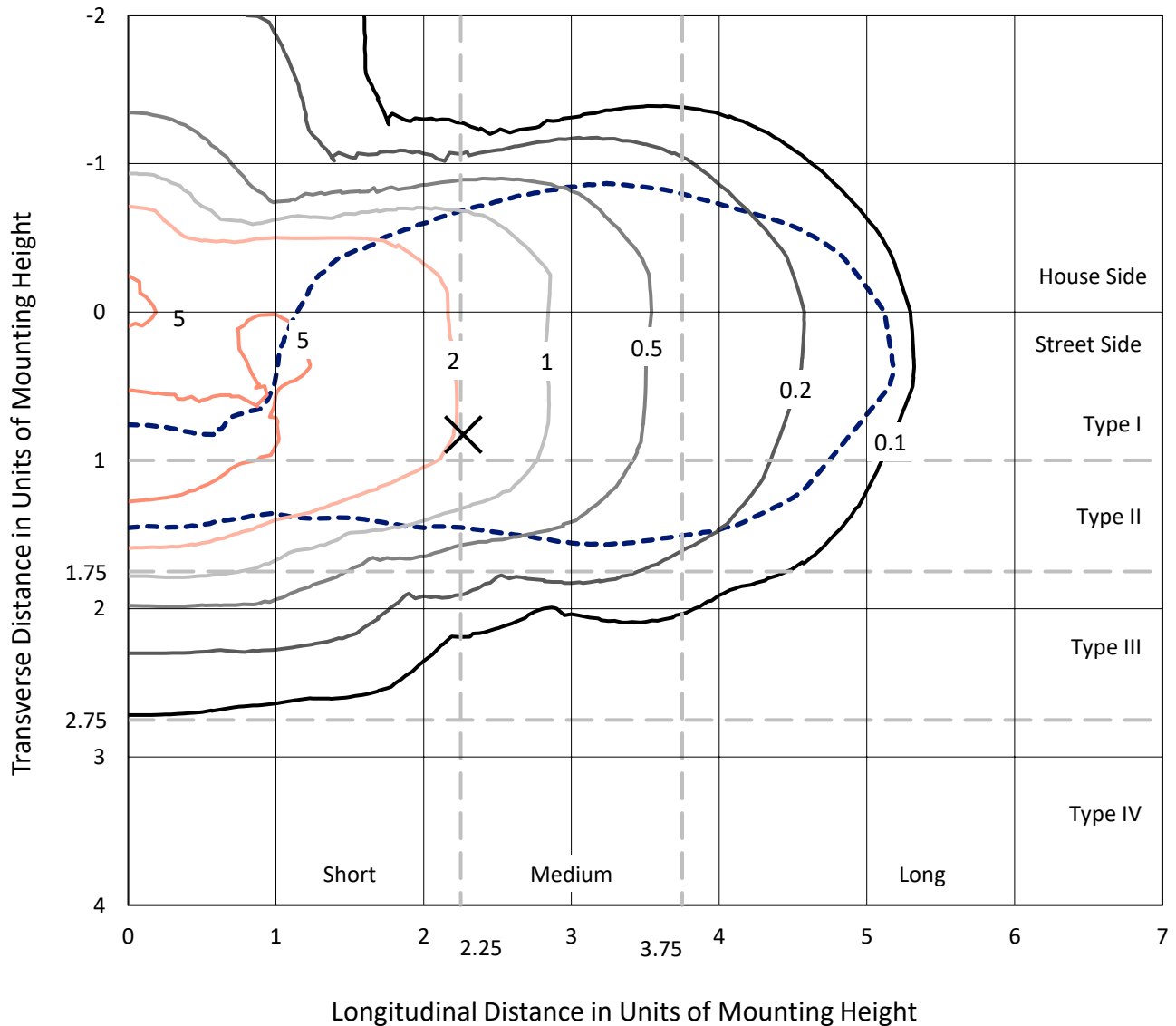
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560802
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

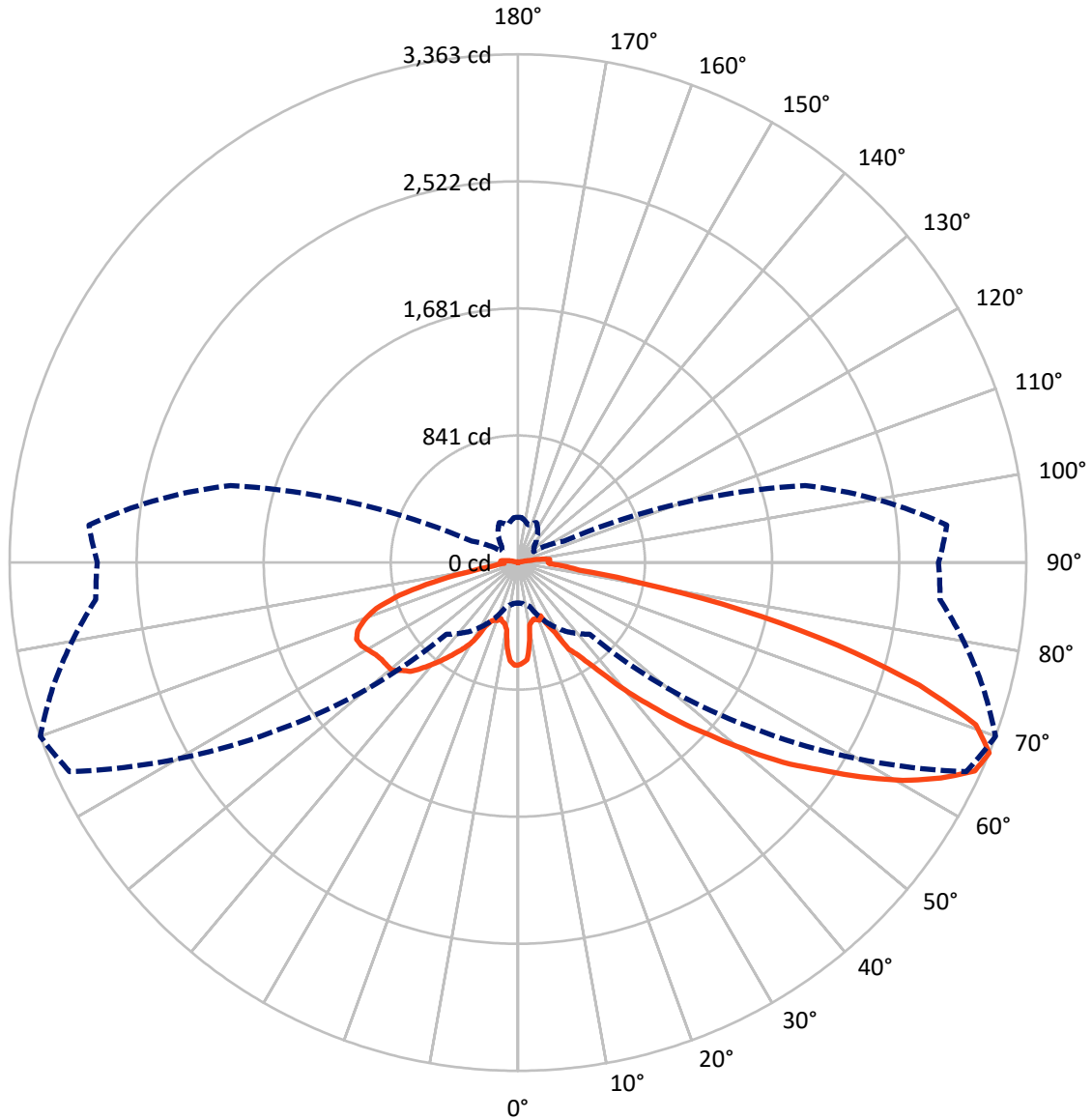
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P560802
CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560802

CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

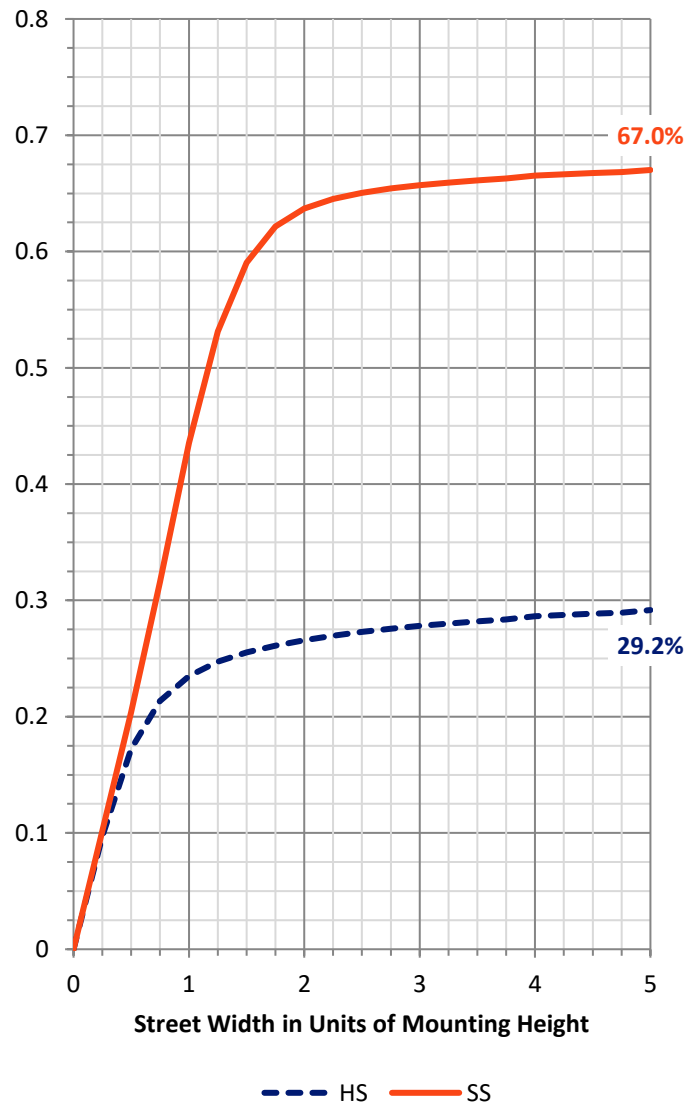
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1575.1	61.8	1636.9
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	3540.3	59.7	3600.0
	% Fixture	67.6	1.1	68.7
Total	Lumens	5115.4	121.5	5236.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.0
10°-20°	125.6	2.4
20°-30°	222.9	4.3
30°-40°	469.6	9.0
40°-50°	878.0	16.8
50°-60°	1216.0	23.2
60°-70°	1172.6	22.4
70°-80°	770.9	14.7
80°-90°	205.4	3.9
90°-100°	84.3	1.6
100°-110°	18.4	0.4
110°-120°	8.0	0.2
120°-130°	5.7	0.1
130°-140°	2.6	0.0
140°-150°	1.4	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5115.4	97.7
0°-180°	5236.9	100.0



REPORT NUMBER: P560802

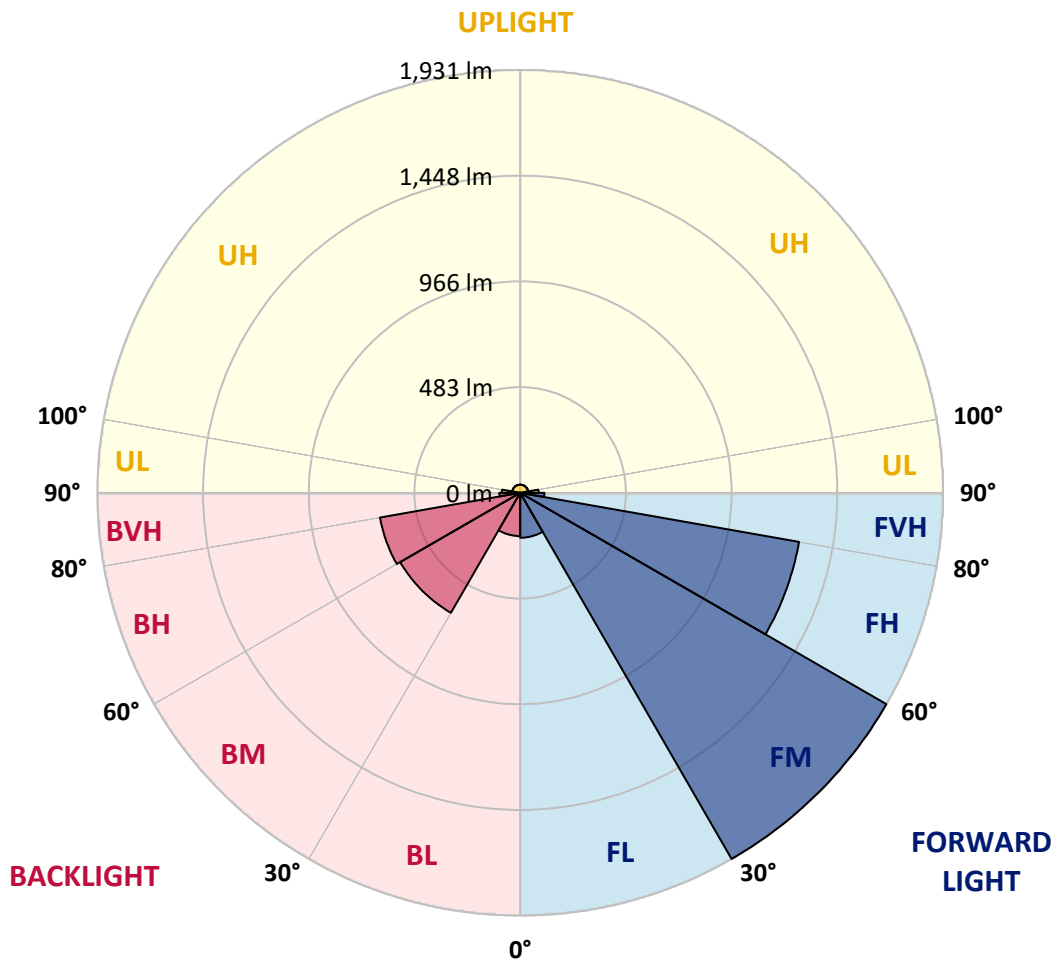
CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.2	3.9			
FM	(30°-60°)	1931.3	36.9			
FH	(60°-80°)	1293.2	24.7			G1/1800
FVH	(80°-90°)	110.5	2.1			G2/225
BL	(0°-30°)	197.6	3.8	B1/500		
BM	(30°-60°)	632.4	12.1	B1/1000		
BH	(60°-80°)	650.2	12.4	B2/1000		G2/1000
BVH	(80°-90°)	94.9	1.8			G1/100
UL	(90°-100°)	84.3	1.6		U3/500	
UH	(100°-180°)	37.3	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium





REPORT NUMBER: P560802
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	565.8	611.8	597.8	641.8	651.7	661.7	663.7	665.7	663.7	665.7	669.7
5°	533.8	535.8	537.8	541.8	541.8	545.8	553.8	637.8	645.8	651.7	659.7
7.5°	445.8	465.8	503.8	517.8	523.8	531.8	535.8	535.8	543.8	563.8	577.8
10°	495.8	491.8	493.8	495.8	467.8	461.8	419.8	413.8	419.8	433.8	499.8
12.5°	415.8	435.8	477.8	487.8	453.8	401.8	395.8	403.8	401.8	361.9	423.8
15°	481.8	479.8	475.8	467.8	379.9	397.8	341.9	345.9	387.9	415.8	473.8
17.5°	419.8	417.8	473.8	457.8	399.8	309.9	389.8	361.9	395.8	365.9	391.8
20°	521.8	519.8	513.8	381.9	407.8	411.8	377.9	349.9	407.8	421.8	475.8
22.5°	473.8	473.8	511.8	501.8	413.8	435.8	359.9	425.8	381.9	387.9	359.9
25°	651.7	645.8	637.8	465.8	497.8	399.8	445.8	391.8	455.8	493.8	517.8
27.5°	631.8	619.8	611.8	617.8	499.8	523.8	441.8	487.8	525.8	541.8	603.8
30°	887.7	871.7	847.7	647.8	621.8	535.8	533.8	603.8	665.7	715.7	749.7
32.5°	1131.6	1135.6	1011.6	869.7	687.7	715.7	635.8	707.7	727.7	779.7	799.7
35°	1451.4	1411.5	1333.5	1085.6	837.7	809.7	739.7	807.7	827.7	877.7	889.7
37.5°	1703.3	1705.3	1585.4	1305.5	1003.6	979.6	857.7	927.6	963.6	1019.6	999.6
40°	1945.2	1955.2	1859.3	1531.4	1213.5	1147.6	999.6	1081.6	1131.6	1165.6	1131.6
42.5°	2161.2	2159.2	2093.2	1781.3	1409.5	1371.5	1149.6	1255.5	1299.5	1331.5	1305.5
45°	2331.1	2325.1	2265.1	1985.2	1641.4	1693.3	1345.5	1455.4	1501.4	1537.4	1473.4
47.5°	2389.1	2357.1	2331.1	2133.2	1857.3	1977.2	1587.4	1649.4	1703.3	1765.3	1661.4
50°	2327.1	2285.1	2295.1	2203.2	2039.2	2215.1	1847.3	1873.3	1939.3	1993.2	1839.3
52.5°	2069.2	2059.2	2115.2	2133.2	2117.2	2397.1	2139.2	2065.2	2195.2	2201.2	2023.2
55°	1729.3	1717.3	1849.3	1923.3	2043.2	2469.0	2387.1	2335.1	2419.1	2409.1	2187.2
57.5°	1393.5	1385.5	1505.4	1627.4	1835.3	2429.1	2561.0	2631.0	2673.0	2617.0	2339.1
60°	933.6	949.6	1155.6	1319.5	1501.4	2189.2	2627.0	2906.9	2926.9	2806.9	2499.0
62.5°	595.8	617.8	749.7	1017.6	1121.6	1777.3	2579.0	3152.8	3140.8	2978.9	2647.0
65°	381.9	389.8	453.8	689.7	803.7	1177.5	2365.1	3320.7	3322.7	3132.8	2764.9
67.5°	267.9	269.9	299.9	429.8	555.8	669.7	1923.3	3272.7	3362.7	3184.8	2802.9
70°	239.9	241.9	249.9	291.9	421.8	415.8	1165.6	2924.9	3214.8	3116.8	2744.9
72.5°	213.9	215.9	229.9	253.9	323.9	325.9	557.8	2329.1	2778.9	2874.9	2573.0
75°	177.9	181.9	197.9	237.9	249.9	273.9	373.9	1637.4	2187.2	2477.0	2369.1
77.5°	149.9	151.9	163.9	201.9	217.9	221.9	319.9	907.7	1511.4	1823.3	2087.2
80°	120.0	120.0	129.9	159.9	179.9	181.9	285.9	479.8	837.7	1103.6	1451.4
82.5°	78.0	80.0	92.0	120.0	133.9	179.9	253.9	349.9	409.8	531.8	659.7
85°	50.0	50.0	58.0	68.0	80.0	137.9	223.9	289.9	305.9	333.9	299.9
87.5°	24.0	24.0	22.0	26.0	30.0	52.0	155.9	205.9	207.9	203.9	219.9
90°	20.0	20.0	16.0	18.0	20.0	28.0	118.0	201.9	199.9	207.9	227.9
92.5°	22.0	22.0	16.0	18.0	20.0	24.0	86.0	203.9	209.9	219.9	241.9
95°	24.0	24.0	16.0	16.0	18.0	22.0	54.0	175.9	211.9	221.9	249.9
97.5°	22.0	22.0	12.0	14.0	16.0	20.0	34.0	131.9	165.9	173.9	197.9
100°	20.0	20.0	10.0	12.0	14.0	16.0	22.0	68.0	72.0	54.0	76.0
102.5°	18.0	20.0	8.0	10.0	10.0	10.0	14.0	32.0	32.0	18.0	20.0
105°	18.0	20.0	8.0	8.0	6.0	8.0	8.0	12.0	14.0	10.0	16.0
107.5°	20.0	20.0	8.0	8.0	6.0	6.0	6.0	8.0	10.0	8.0	16.0
110°	18.0	18.0	6.0	8.0	4.0	4.0	4.0	6.0	8.0	8.0	18.0



REPORT NUMBER: P560802

CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.0	12.0	6.0	8.0	4.0	4.0	4.0	6.0	8.0	10.0	22.0
115°	10.0	8.0	4.0	6.0	4.0	4.0	4.0	6.0	6.0	8.0	18.0
117.5°	10.0	8.0	4.0	4.0	2.0	4.0	4.0	6.0	6.0	8.0	16.0
120°	10.0	10.0	4.0	2.0	2.0	2.0	2.0	4.0	6.0	10.0	18.0
122.5°	12.0	10.0	4.0	4.0	2.0	2.0	2.0	4.0	6.0	10.0	18.0
125°	12.0	12.0	6.0	4.0	2.0	2.0	2.0	4.0	6.0	8.0	16.0
127.5°	12.0	10.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	6.0	14.0
130°	10.0	10.0	6.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	10.0
132.5°	8.0	8.0	6.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0
135°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0
137.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	4.0	4.0	8.0	6.0	4.0	2.0	4.0	2.0	2.0	2.0	2.0
152.5°	6.0	6.0	8.0	6.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0
155°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0
157.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	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: P560802
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	671.7	671.7	677.7	679.7	677.7	675.7	663.7	627.8	605.8	607.8	607.8
5°	661.7	663.7	669.7	633.8	589.8	593.8	599.8	601.8	601.8	605.8	605.8
7.5°	583.8	585.8	569.8	575.8	589.8	599.8	603.8	593.8	561.8	549.8	549.8
10°	505.8	505.8	449.8	451.8	467.8	497.8	591.8	601.8	611.8	613.8	611.8
12.5°	427.8	429.8	383.9	441.8	421.8	475.8	545.8	603.8	557.8	511.8	517.8
15°	477.8	481.8	431.8	379.9	389.8	469.8	407.8	559.8	563.8	563.8	563.8
17.5°	383.9	405.8	381.9	391.8	431.8	353.9	461.8	511.8	469.8	457.8	457.8
20°	477.8	477.8	435.8	377.9	399.8	459.8	409.8	455.8	535.8	535.8	533.8
22.5°	355.9	355.9	381.9	437.8	401.8	453.8	433.8	471.8	425.8	425.8	437.8
25°	513.8	507.8	463.8	387.9	457.8	419.8	435.8	411.8	481.8	487.8	483.8
27.5°	619.8	615.8	497.8	445.8	429.8	447.8	391.8	383.9	369.9	425.8	419.8
30°	733.7	723.7	651.7	537.8	471.8	377.9	353.9	367.9	407.8	409.8	407.8
32.5°	787.7	765.7	685.7	643.8	481.8	389.8	317.9	327.9	405.8	429.8	429.8
35°	861.7	837.7	747.7	701.7	479.8	343.9	281.9	317.9	365.9	367.9	367.9
37.5°	963.6	927.6	851.7	735.7	447.8	303.9	259.9	281.9	315.9	325.9	329.9
40°	1081.6	1035.6	967.6	757.7	401.8	255.9	231.9	259.9	285.9	277.9	277.9
42.5°	1247.5	1179.5	1081.6	791.7	343.9	225.9	211.9	237.9	255.9	259.9	257.9
45°	1403.5	1319.5	1215.5	803.7	279.9	203.9	197.9	225.9	243.9	237.9	237.9
47.5°	1579.4	1473.4	1315.5	775.7	229.9	191.9	197.9	217.9	225.9	235.9	235.9
50°	1753.3	1639.4	1461.4	731.7	203.9	183.9	197.9	209.9	225.9	231.9	229.9
52.5°	1911.3	1811.3	1549.4	653.7	189.9	177.9	191.9	209.9	229.9	239.9	239.9
55°	2083.2	1981.2	1629.4	583.8	177.9	165.9	197.9	217.9	223.9	229.9	229.9
57.5°	2213.1	2133.2	1717.3	521.8	169.9	165.9	201.9	227.9	225.9	231.9	231.9
60°	2371.1	2301.1	1797.3	491.8	157.9	157.9	209.9	245.9	229.9	247.9	247.9
62.5°	2539.0	2497.0	1875.3	469.8	145.9	153.9	211.9	259.9	237.9	265.9	267.9
65°	2701.0	2709.0	1947.2	417.8	135.9	153.9	215.9	277.9	245.9	281.9	285.9
67.5°	2782.9	2848.9	1967.2	335.9	126.0	151.9	227.9	291.9	257.9	297.9	299.9
70°	2766.9	2852.9	1921.3	247.9	118.0	159.9	245.9	303.9	263.9	317.9	317.9
72.5°	2627.0	2689.0	1785.3	187.9	110.0	153.9	249.9	307.9	267.9	349.9	349.9
75°	2429.1	2365.1	1469.4	155.9	104.0	153.9	243.9	303.9	263.9	341.9	339.9
77.5°	2107.2	1893.3	1013.6	137.9	98.0	147.9	227.9	295.9	251.9	317.9	321.9
80°	1351.5	1165.6	517.8	120.0	104.0	141.9	219.9	273.9	233.9	283.9	285.9
82.5°	615.8	517.8	235.9	106.0	102.0	128.0	199.9	243.9	203.9	241.9	239.9
85°	259.9	263.9	185.9	90.0	90.0	100.0	147.9	189.9	157.9	169.9	165.9
87.5°	201.9	193.9	128.0	54.0	58.0	44.0	96.0	135.9	104.0	110.0	108.0
90°	213.9	209.9	135.9	56.0	42.0	26.0	72.0	106.0	78.0	70.0	68.0
92.5°	227.9	225.9	151.9	60.0	42.0	22.0	62.0	86.0	56.0	48.0	46.0
95°	243.9	243.9	165.9	64.0	42.0	22.0	56.0	66.0	42.0	32.0	30.0
97.5°	193.9	197.9	141.9	66.0	40.0	22.0	50.0	54.0	32.0	18.0	18.0
100°	78.0	86.0	78.0	66.0	36.0	18.0	40.0	42.0	22.0	10.0	10.0
102.5°	18.0	22.0	54.0	58.0	28.0	12.0	26.0	26.0	14.0	6.0	6.0
105°	18.0	16.0	36.0	46.0	16.0	8.0	12.0	16.0	8.0	4.0	4.0
107.5°	18.0	18.0	16.0	22.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0
110°	20.0	18.0	8.0	8.0	6.0	6.0	4.0	4.0	2.0	12.0	14.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.0	22.0	10.0	8.0	6.0	6.0	4.0	4.0	6.0	20.0	20.0
115°	20.0	18.0	10.0	6.0	6.0	6.0	4.0	2.0	6.0	22.0	22.0
117.5°	18.0	16.0	10.0	6.0	4.0	6.0	4.0	2.0	6.0	22.0	22.0
120°	20.0	18.0	10.0	6.0	4.0	4.0	4.0	2.0	6.0	20.0	20.0
122.5°	20.0	20.0	12.0	4.0	4.0	2.0	4.0	2.0	6.0	18.0	18.0
125°	18.0	16.0	10.0	4.0	2.0	2.0	2.0	2.0	8.0	16.0	18.0
127.5°	16.0	14.0	8.0	4.0	2.0	2.0	2.0	2.0	6.0	12.0	14.0
130°	12.0	12.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	12.0	10.0
132.5°	8.0	8.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	8.0	8.0
135°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	4.0	2.0	2.0	4.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	6.0	6.0	4.0
155°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	0.0	0.0	2.0	0.0
160°	0.0	0.0	2.0	2.0	2.0	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)