

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: P560696

Luminaire Tested: **SDL-PA1-60-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560696
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-PA1-60-727-U-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 5869.1 lumens
Efficiency: N/A
Efficacy: 94.1 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: B1 - U3 - G2

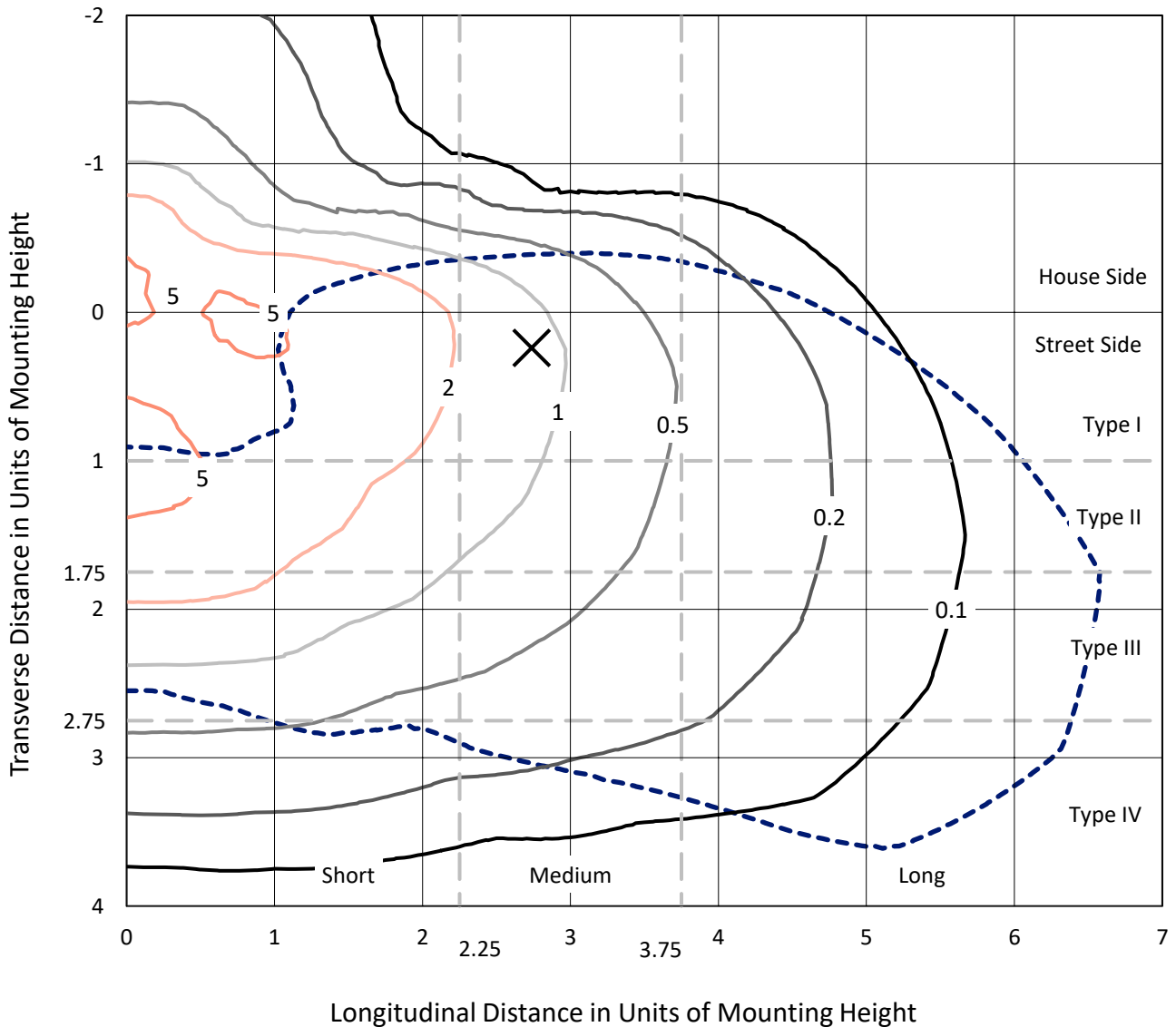
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560696
 CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

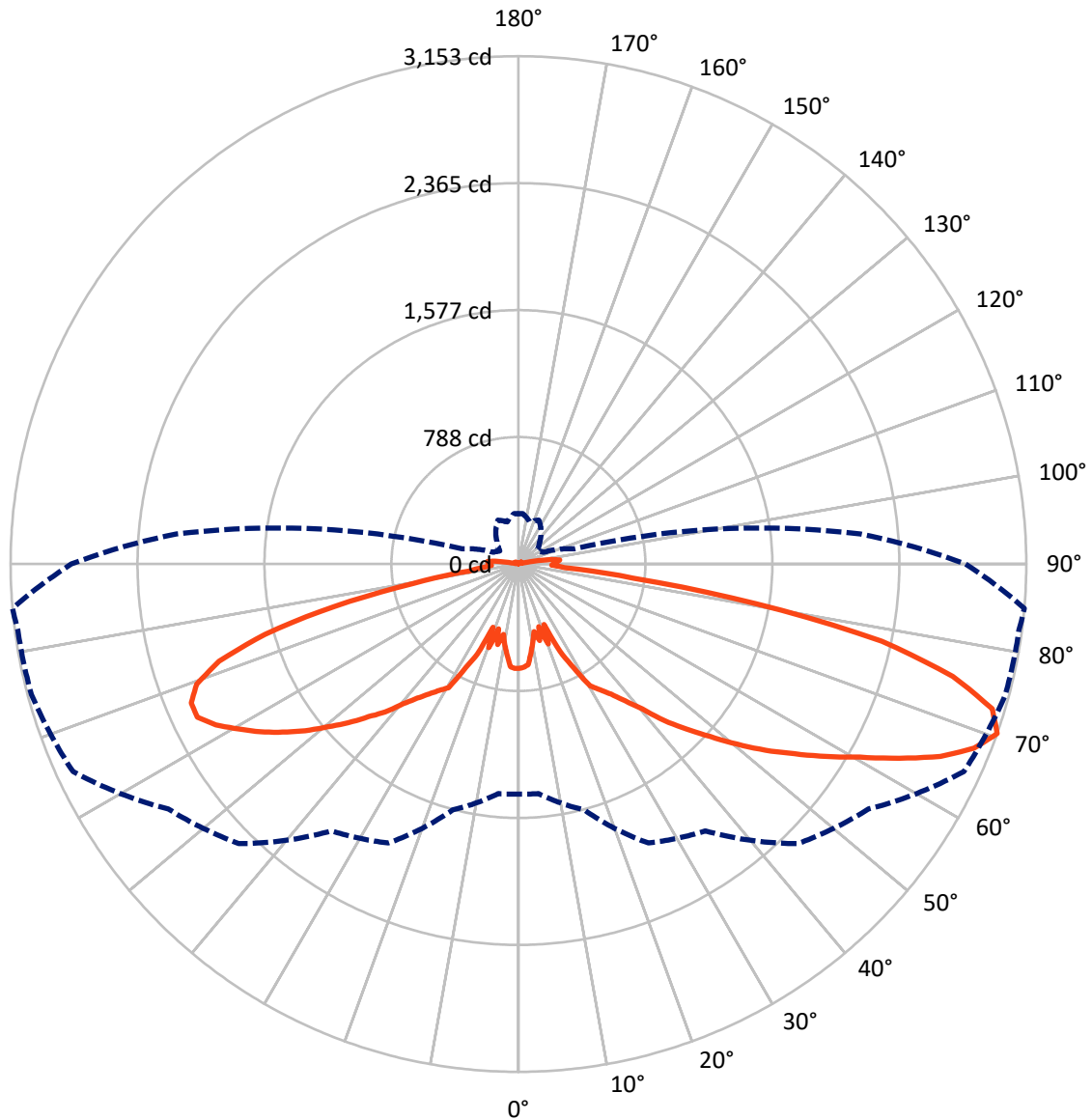
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560696
CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560696
 CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

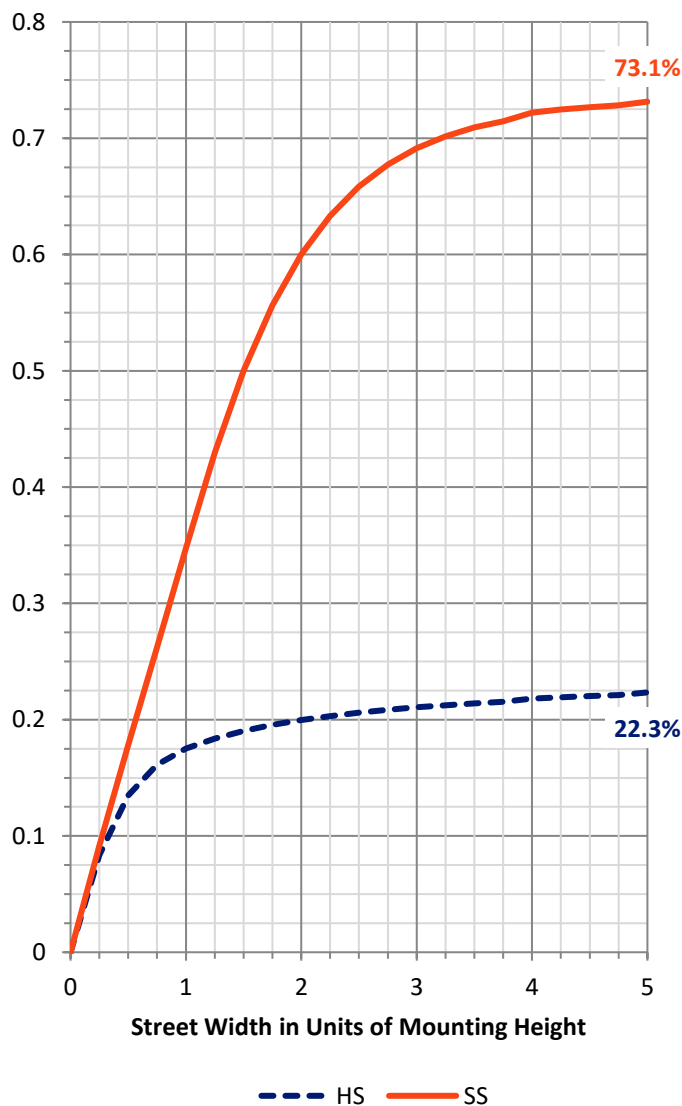
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.9	88.9	1468.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4325.2	75.1	4400.3
	% Fixture	73.7	1.3	75.0
Total	Lumens	5705.0	164.1	5869.1
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.9
10°-20°	129.5	2.2
20°-30°	235.9	4.0
30°-40°	445.9	7.6
40°-50°	745.2	12.7
50°-60°	1163.1	19.8
60°-70°	1442.3	24.6
70°-80°	1178.4	20.1
80°-90°	311.9	5.3
90°-100°	118.4	2.0
100°-110°	25.2	0.4
110°-120°	8.2	0.1
120°-130°	6.4	0.1
130°-140°	3.0	0.1
140°-150°	1.5	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5705.0	97.2
0°-180°	5869.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560696

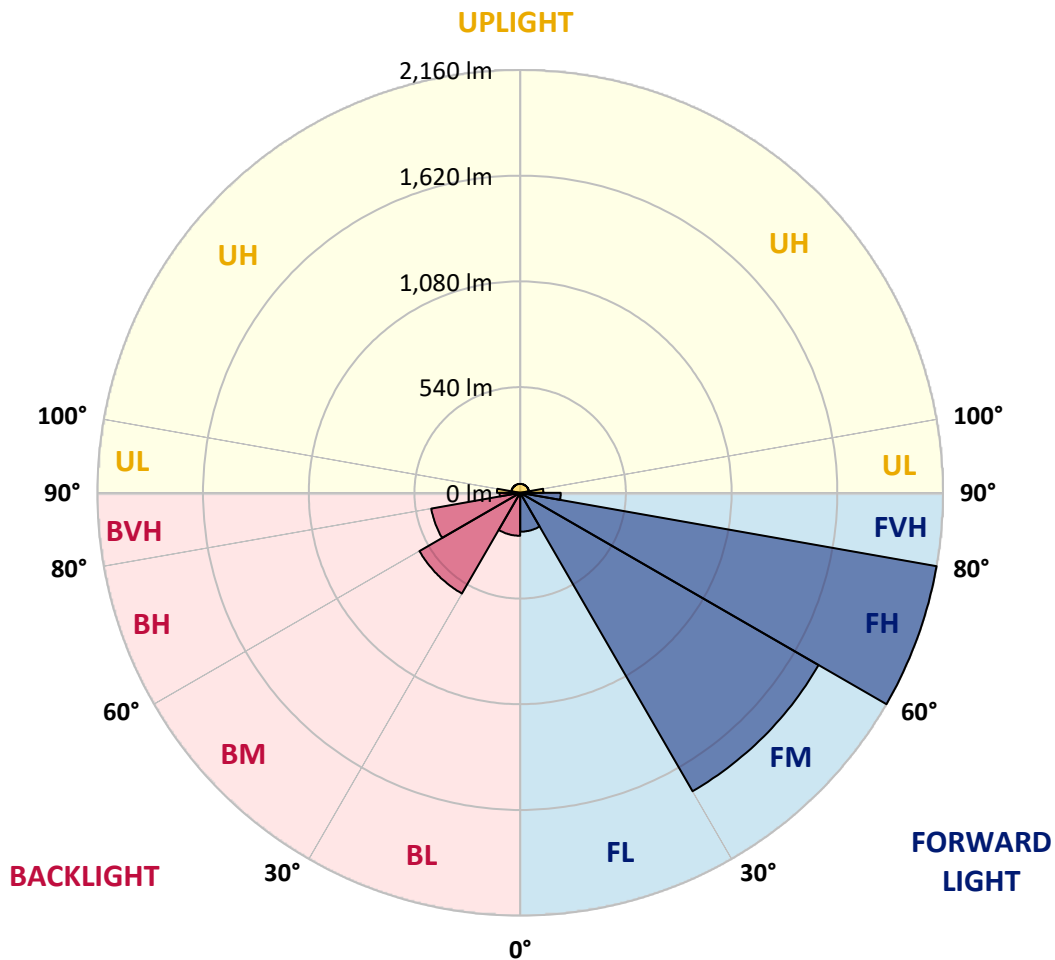
CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.8	3.4			
FM (30°-60°)	1759.8	30.0			
FH (60°-80°)	2159.7	36.8			G2/5000
FVH (80°-90°)	206.9	3.5			G2/225
BL (0°-30°)	219.5	3.7	B1/500		
BM (30°-60°)	594.4	10.1	B1/1000		
BH (60°-80°)	461.1	7.9	B1/500		G1/500
BVH (80°-90°)	105.0	1.8			G2/225
UL (90°-100°)	118.4	2.0		U3/500	
UH (100°-180°)	45.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P560696

CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4
2.5°	536.9	589.3	580.2	596.1	605.2	618.9	628.0	632.5	637.1	641.6	641.6
5°	498.3	500.5	502.8	505.1	509.6	516.5	523.3	596.1	618.9	628.0	628.0
7.5°	455.0	452.8	461.9	473.2	489.2	498.3	505.1	507.4	532.4	552.9	557.4
10°	452.8	455.0	455.0	459.6	432.3	430.0	398.2	400.4	434.6	486.9	489.2
12.5°	393.6	405.0	430.0	448.2	420.9	377.7	370.9	389.1	364.0	427.7	430.0
15°	439.1	436.8	436.8	418.6	354.9	373.1	332.2	345.8	423.2	482.3	493.7
17.5°	382.2	377.7	423.2	409.5	368.6	311.7	373.1	368.6	382.2	416.4	409.5
20°	480.1	475.5	466.4	354.9	373.1	391.3	380.0	354.9	448.2	500.5	530.1
22.5°	448.2	452.8	475.5	450.5	384.5	402.7	359.5	436.8	423.2	402.7	407.3
25°	612.0	607.5	584.7	441.4	459.6	375.4	439.1	389.1	536.9	596.1	600.7
27.5°	564.3	557.4	541.5	555.2	466.4	491.4	427.7	509.6	593.8	698.5	730.3
30°	748.5	741.7	723.5	559.7	555.2	486.9	518.7	625.7	800.9	880.5	878.2
32.5°	964.7	914.6	803.1	716.7	593.8	632.5	593.8	737.2	853.2	930.6	930.6
35°	1096.7	1087.6	1028.4	832.7	691.7	689.4	682.6	812.3	941.9	996.5	992.0
37.5°	1208.1	1224.1	1180.8	964.7	780.4	798.6	764.5	914.6	1051.1	1083.0	1078.4
40°	1362.9	1358.3	1335.5	1078.4	889.6	887.3	862.3	1037.5	1171.7	1194.5	1183.1
42.5°	1592.6	1567.6	1499.4	1230.9	1005.6	1005.6	960.1	1153.5	1319.6	1321.9	1328.7
45°	1874.8	1863.4	1742.8	1467.5	1155.8	1153.5	1078.4	1276.4	1469.8	1481.2	1460.7
47.5°	2070.4	2036.3	1977.2	1683.7	1387.9	1335.5	1221.8	1397.0	1649.5	1640.4	1599.5
50°	2263.8	2236.5	2181.9	1920.3	1629.1	1524.4	1356.0	1522.1	1822.4	1797.4	1758.7
52.5°	2429.9	2393.5	2334.4	2113.7	1840.6	1758.7	1510.7	1635.9	1997.6	1956.7	1920.3
55°	2525.5	2450.4	2455.0	2286.6	1999.9	1933.9	1683.7	1820.2	2168.3	2109.1	2079.5
57.5°	2407.2	2402.6	2477.7	2393.5	2145.5	2079.5	1867.9	2004.5	2345.7	2268.4	2254.7
60°	2288.9	2302.5	2409.4	2425.4	2259.3	2211.5	2027.2	2266.1	2518.7	2434.5	2434.5
62.5°	2125.0	2163.7	2313.9	2436.8	2270.7	2341.2	2193.3	2489.1	2707.5	2630.1	2655.2
65°	1938.5	1938.5	2111.4	2343.5	2234.3	2427.7	2377.6	2732.5	2873.6	2828.1	2880.4
67.5°	1683.7	1688.2	1867.9	2161.5	2168.3	2470.9	2525.5	2923.6	3046.5	3012.4	3051.1
70°	1428.8	1431.1	1581.3	1911.2	2022.7	2455.0	2652.9	3051.1	3130.7	3135.2	3153.4
72.5°	1069.3	1108.0	1249.1	1551.7	1770.1	2389.0	2718.9	3087.5	3128.4	3135.2	3076.1
75°	575.6	593.8	750.8	1010.2	1315.1	2118.2	2698.4	3048.8	3019.2	2939.6	2784.9
77.5°	200.2	209.3	263.9	441.4	746.3	1499.4	2502.7	2880.4	2784.9	2534.6	2307.1
80°	129.7	129.7	143.3	211.6	339.0	709.9	1943.0	2468.6	2243.4	1708.7	1497.1
82.5°	91.0	93.3	104.7	141.1	218.4	304.9	1010.2	1253.6	1235.4	850.9	716.7
85°	66.0	68.3	72.8	81.9	150.2	188.8	393.6	602.9	557.4	304.9	286.7
87.5°	29.6	34.1	29.6	36.4	59.2	116.0	188.8	186.6	177.5	202.5	207.0
90°	22.8	22.8	18.2	20.5	41.0	104.7	175.2	168.4	179.7	220.7	218.4
92.5°	22.8	22.8	18.2	20.5	38.7	104.7	184.3	163.8	186.6	236.6	238.9
95°	22.8	25.0	18.2	18.2	31.9	106.9	195.7	175.2	197.9	257.1	257.1
97.5°	20.5	20.5	13.7	15.9	25.0	97.8	195.7	150.2	145.6	207.0	204.8
100°	15.9	18.2	9.1	13.7	18.2	59.2	145.6	93.3	41.0	47.8	72.8
102.5°	15.9	15.9	9.1	11.4	13.7	25.0	77.4	54.6	11.4	15.9	15.9
105°	15.9	18.2	9.1	9.1	9.1	11.4	36.4	27.3	9.1	13.7	15.9
107.5°	18.2	18.2	6.8	6.8	6.8	6.8	13.7	11.4	9.1	15.9	18.2
110°	18.2	18.2	6.8	6.8	4.6	4.6	6.8	6.8	9.1	15.9	18.2



REPORT NUMBER: P560696
 CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	15.9	15.9	6.8	6.8	4.6	4.6	4.6	6.8	9.1	13.7	15.9
115°	11.4	11.4	4.6	6.8	4.6	4.6	4.6	6.8	6.8	11.4	13.7
117.5°	11.4	9.1	4.6	4.6	2.3	4.6	4.6	6.8	9.1	15.9	15.9
120°	11.4	11.4	4.6	2.3	2.3	2.3	2.3	4.6	11.4	18.2	20.5
122.5°	11.4	11.4	4.6	2.3	2.3	2.3	2.3	4.6	11.4	18.2	20.5
125°	13.7	11.4	6.8	2.3	2.3	2.3	2.3	2.3	9.1	15.9	18.2
127.5°	11.4	11.4	6.8	2.3	2.3	2.3	2.3	2.3	6.8	13.7	15.9
130°	11.4	11.4	6.8	2.3	2.3	2.3	2.3	2.3	6.8	11.4	11.4
132.5°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	2.3	4.6	9.1	9.1
135°	9.1	9.1	4.6	2.3	2.3	2.3	2.3	2.3	2.3	6.8	6.8
137.5°	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
150°	6.8	6.8	6.8	4.6	4.6	2.3	4.6	2.3	2.3	2.3	2.3
152.5°	6.8	6.8	9.1	4.6	2.3	2.3	2.3	4.6	2.3	2.3	2.3
155°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	4.6	4.6	6.8
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P560696
 CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4	648.4
2.5°	643.9	648.4	650.7	657.5	657.5	657.5	641.6	602.9	602.9	605.2	607.5
5°	634.8	639.3	648.4	616.6	584.7	582.5	593.8	600.7	602.9	605.2	600.7
7.5°	562.0	571.1	566.5	568.8	584.7	600.7	614.3	605.2	582.5	566.5	571.1
10°	500.5	509.6	459.6	464.1	482.3	527.8	602.9	628.0	643.9	650.7	650.7
12.5°	439.1	445.9	402.7	466.4	434.6	505.1	587.0	648.4	587.0	562.0	562.0
15°	502.8	516.5	464.1	414.1	423.2	511.9	450.5	618.9	637.1	641.6	646.2
17.5°	430.0	420.9	430.0	436.8	475.5	398.2	516.5	582.5	546.1	532.4	539.2
20°	541.5	550.6	502.8	430.0	434.6	507.4	459.6	521.0	621.1	623.4	628.0
22.5°	411.8	423.2	450.5	511.9	448.2	491.4	484.6	541.5	507.4	509.6	527.8
25°	605.2	614.3	566.5	457.3	489.2	443.7	489.2	482.3	568.8	573.4	573.4
27.5°	741.7	721.2	618.9	516.5	430.0	468.7	441.4	459.6	439.1	500.5	509.6
30°	882.8	882.8	803.1	575.6	455.0	398.2	402.7	436.8	486.9	496.0	496.0
32.5°	926.0	923.7	821.4	623.4	448.2	411.8	370.9	411.8	498.3	541.5	546.1
35°	987.4	978.3	853.2	607.5	432.3	375.4	350.4	414.1	477.8	484.6	480.1
37.5°	1064.8	1042.0	891.9	577.9	395.9	352.7	336.7	373.1	427.7	427.7	427.7
40°	1160.4	1124.0	905.5	536.9	357.2	323.1	307.2	345.8	382.2	361.8	354.9
42.5°	1290.0	1235.4	916.9	507.4	323.1	298.1	277.6	314.0	332.2	320.8	316.3
45°	1410.6	1328.7	935.1	475.5	295.8	275.3	257.1	289.0	302.6	291.2	289.0
47.5°	1554.0	1444.8	937.4	445.9	275.3	257.1	243.4	270.8	279.9	279.9	277.6
50°	1701.9	1556.2	955.6	420.9	254.8	238.9	236.6	257.1	263.9	259.4	257.1
52.5°	1870.2	1681.4	962.4	389.1	229.8	218.4	229.8	243.4	263.9	266.2	266.2
55°	2050.0	1797.4	957.9	345.8	211.6	207.0	223.0	252.5	270.8	257.1	254.8
57.5°	2225.2	1913.5	960.1	298.1	193.4	202.5	225.2	263.9	277.6	261.6	254.8
60°	2382.1	2018.1	928.3	254.8	179.7	191.1	234.3	275.3	270.8	275.3	268.5
62.5°	2575.5	2127.3	837.3	227.5	168.4	186.6	234.3	282.1	263.9	282.1	282.1
65°	2734.8	2209.2	707.6	204.8	159.3	186.6	236.6	284.4	257.1	286.7	286.7
67.5°	2803.1	2207.0	511.9	186.6	147.9	182.0	236.6	293.5	263.9	295.8	293.5
70°	2775.8	2131.9	361.8	172.9	141.1	184.3	245.7	300.3	270.8	314.0	311.7
72.5°	2591.5	1954.4	261.6	161.5	132.0	175.2	252.5	309.4	277.6	341.3	341.3
75°	2282.0	1633.6	211.6	150.2	122.9	172.9	254.8	314.0	282.1	345.8	345.8
77.5°	1745.1	1174.0	177.5	138.8	113.8	168.4	252.5	320.8	279.9	345.8	345.8
80°	1046.6	668.9	147.9	125.1	116.0	166.1	257.1	320.8	279.9	341.3	341.3
82.5°	482.3	307.2	132.0	104.7	109.2	163.8	261.6	316.3	268.5	341.3	327.6
85°	268.5	216.1	113.8	88.7	97.8	154.7	248.0	284.4	241.2	282.1	277.6
87.5°	200.2	168.4	72.8	45.5	63.7	109.2	191.1	225.2	182.0	218.4	216.1
90°	213.9	177.5	66.0	45.5	68.3	100.1	179.7	200.2	168.4	202.5	200.2
92.5°	229.8	186.6	66.0	47.8	77.4	109.2	179.7	195.7	166.1	184.3	186.6
95°	241.2	193.4	63.7	52.3	81.9	118.3	175.2	179.7	152.4	159.3	166.1
97.5°	188.8	145.6	56.9	54.6	79.6	95.6	143.3	141.1	104.7	97.8	97.8
100°	59.2	41.0	50.1	56.9	47.8	45.5	84.2	100.1	61.4	41.0	38.7
102.5°	18.2	15.9	45.5	54.6	36.4	20.5	45.5	63.7	45.5	6.8	9.1
105°	18.2	18.2	29.6	45.5	25.0	9.1	18.2	34.1	27.3	6.8	6.8
107.5°	18.2	15.9	11.4	25.0	9.1	6.8	9.1	9.1	9.1	6.8	6.8
110°	18.2	18.2	9.1	9.1	6.8	6.8	6.8	4.6	4.6	11.4	11.4



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 CATALOG NUMBER: SDL-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.2	18.2	9.1	9.1	6.8	6.8	4.6	4.6	6.8	15.9	15.9
115°	15.9	15.9	9.1	6.8	4.6	6.8	4.6	4.6	6.8	18.2	18.2
117.5°	18.2	18.2	9.1	6.8	4.6	4.6	4.6	2.3	6.8	20.5	22.8
120°	22.8	20.5	11.4	4.6	4.6	4.6	4.6	4.6	9.1	18.2	20.5
122.5°	22.8	22.8	11.4	4.6	2.3	2.3	2.3	4.6	9.1	18.2	20.5
125°	20.5	20.5	11.4	4.6	2.3	2.3	2.3	2.3	9.1	15.9	15.9
127.5°	18.2	18.2	9.1	4.6	2.3	2.3	2.3	2.3	6.8	13.7	15.9
130°	13.7	13.7	6.8	4.6	2.3	2.3	2.3	2.3	6.8	11.4	13.7
132.5°	11.4	11.4	6.8	4.6	2.3	2.3	2.3	2.3	6.8	9.1	11.4
135°	6.8	6.8	4.6	2.3	2.3	2.3	2.3	2.3	4.6	6.8	9.1
137.5°	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	4.6	6.8	4.6
152.5°	2.3	2.3	2.3	4.6	2.3	0.0	0.0	4.6	4.6	6.8	6.8
155°	6.8	6.8	4.6	2.3	2.3	0.0	0.0	0.0	4.6	4.6	4.6
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
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)