

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: P561036

Luminaire Tested: **SDL-PA1-80-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-727-U-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7260.2 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - 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

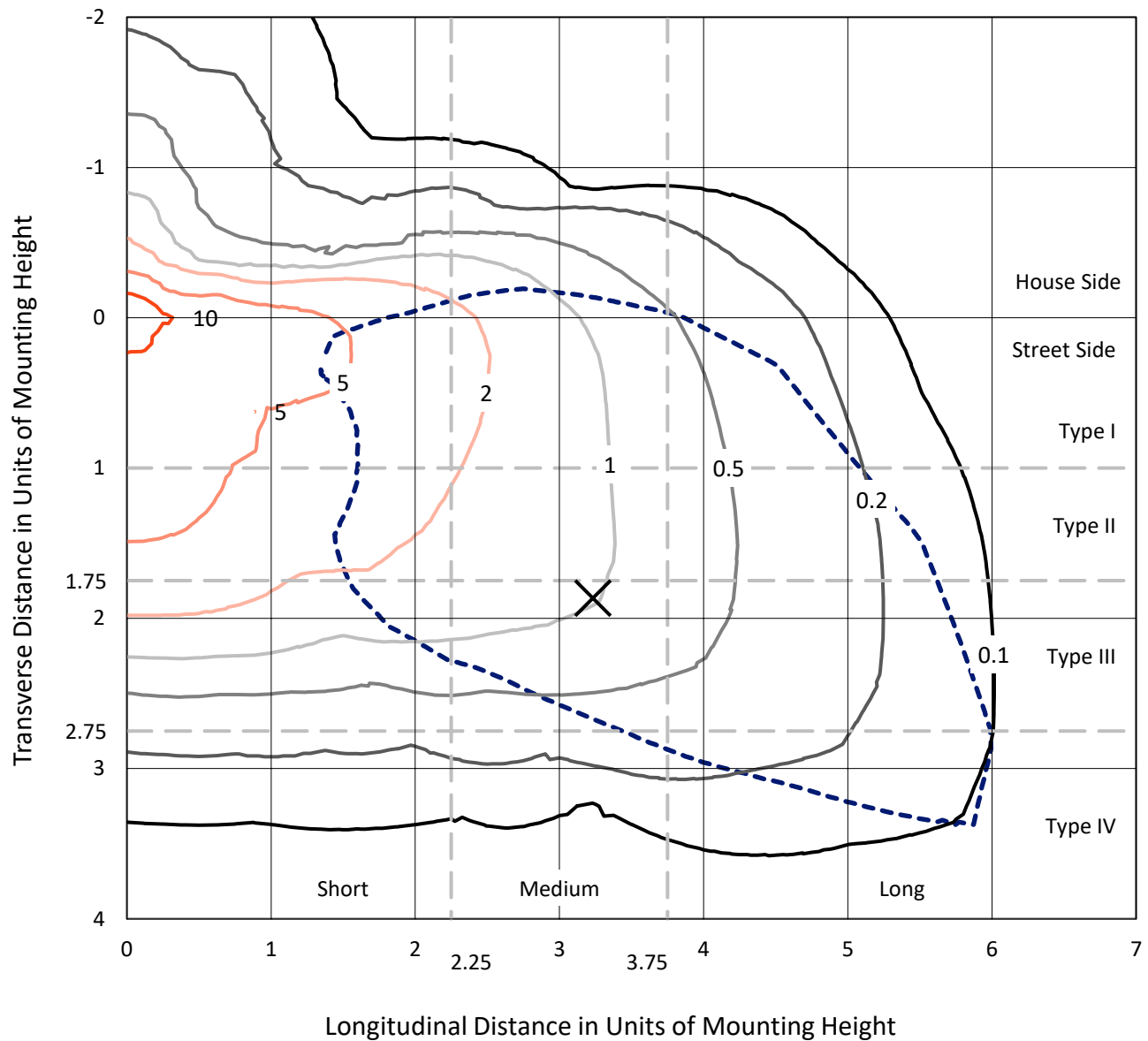


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

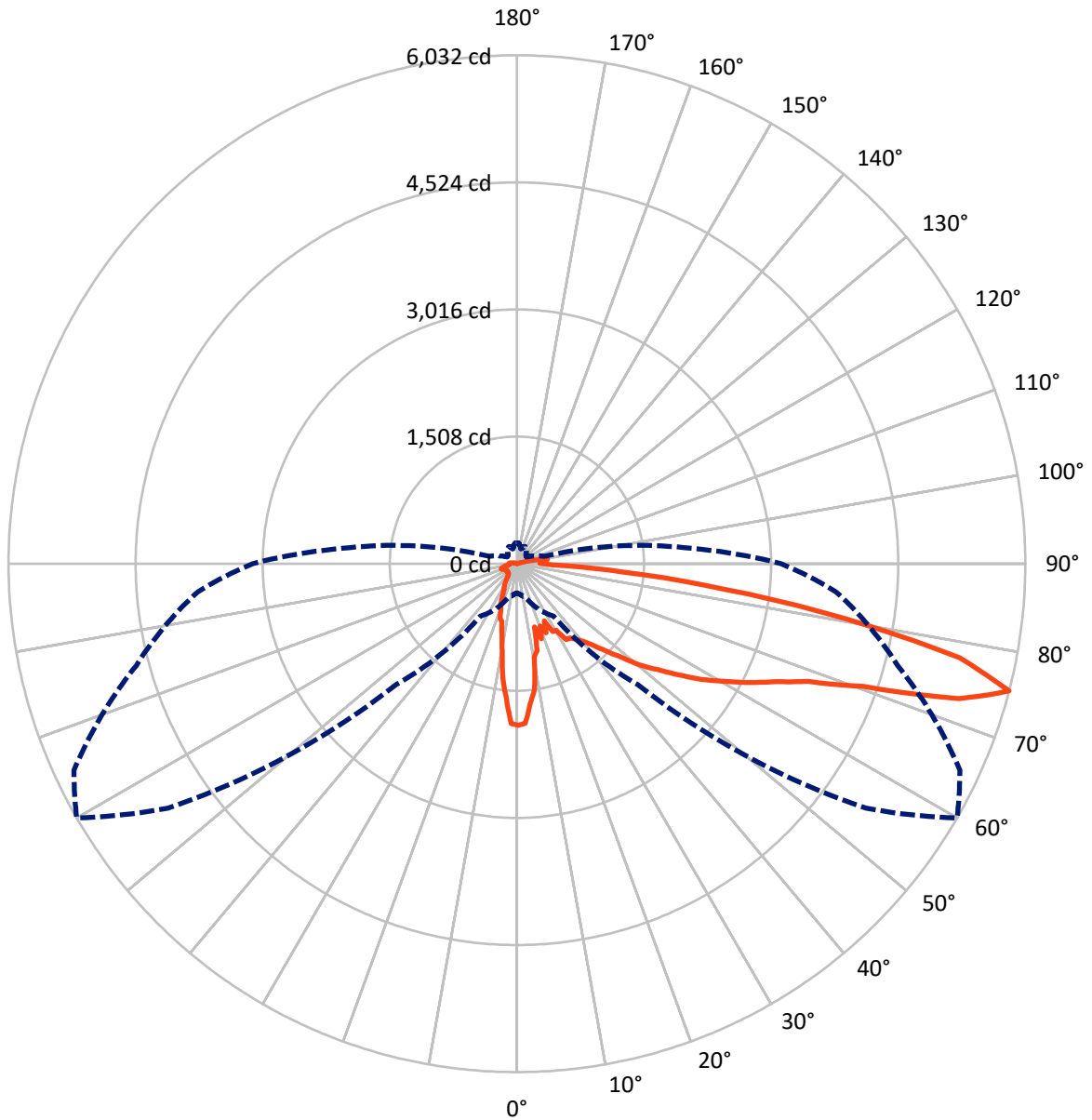


Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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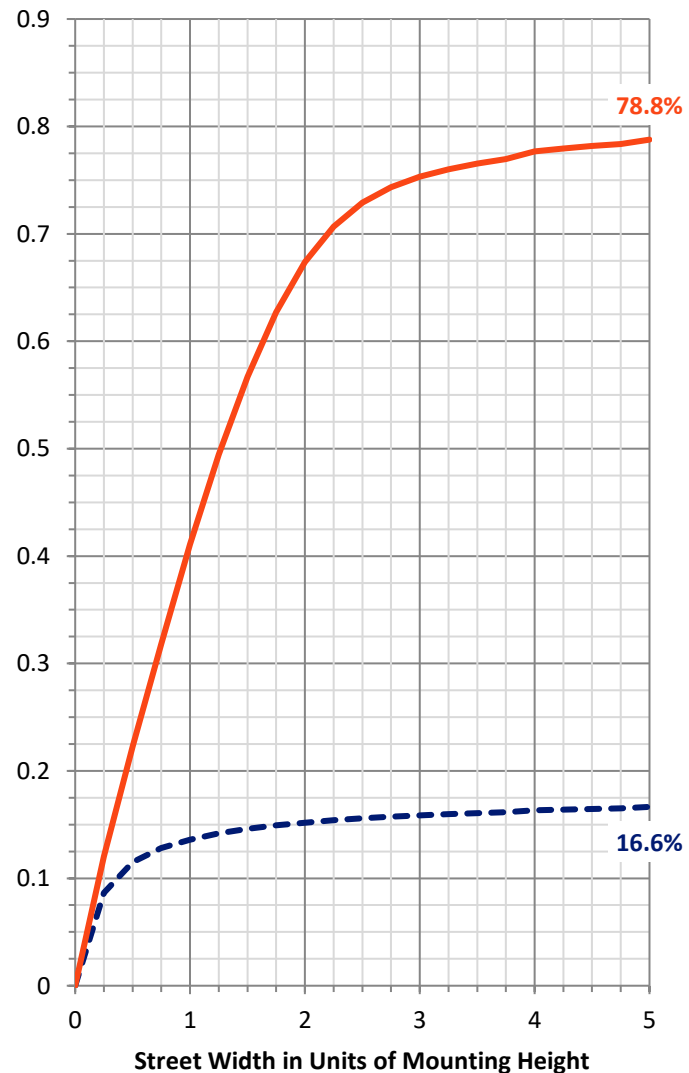
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1274.6	96.6	1371.2
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5786.8	102.2	5889.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	7061.4	198.8	7260.2
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	1.9
10°-20°	251.1	3.5
20°-30°	325.4	4.5
30°-40°	542.3	7.5
40°-50°	868.2	12.0
50°-60°	1333.0	18.4
60°-70°	1665.6	22.9
70°-80°	1519.1	20.9
80°-90°	415.7	5.7
90°-100°	139.6	1.9
100°-110°	31.7	0.4
110°-120°	10.1	0.1
120°-130°	9.4	0.1
130°-140°	4.4	0.1
140°-150°	1.9	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7061.4	97.3
0°-180°	7260.2	100.0



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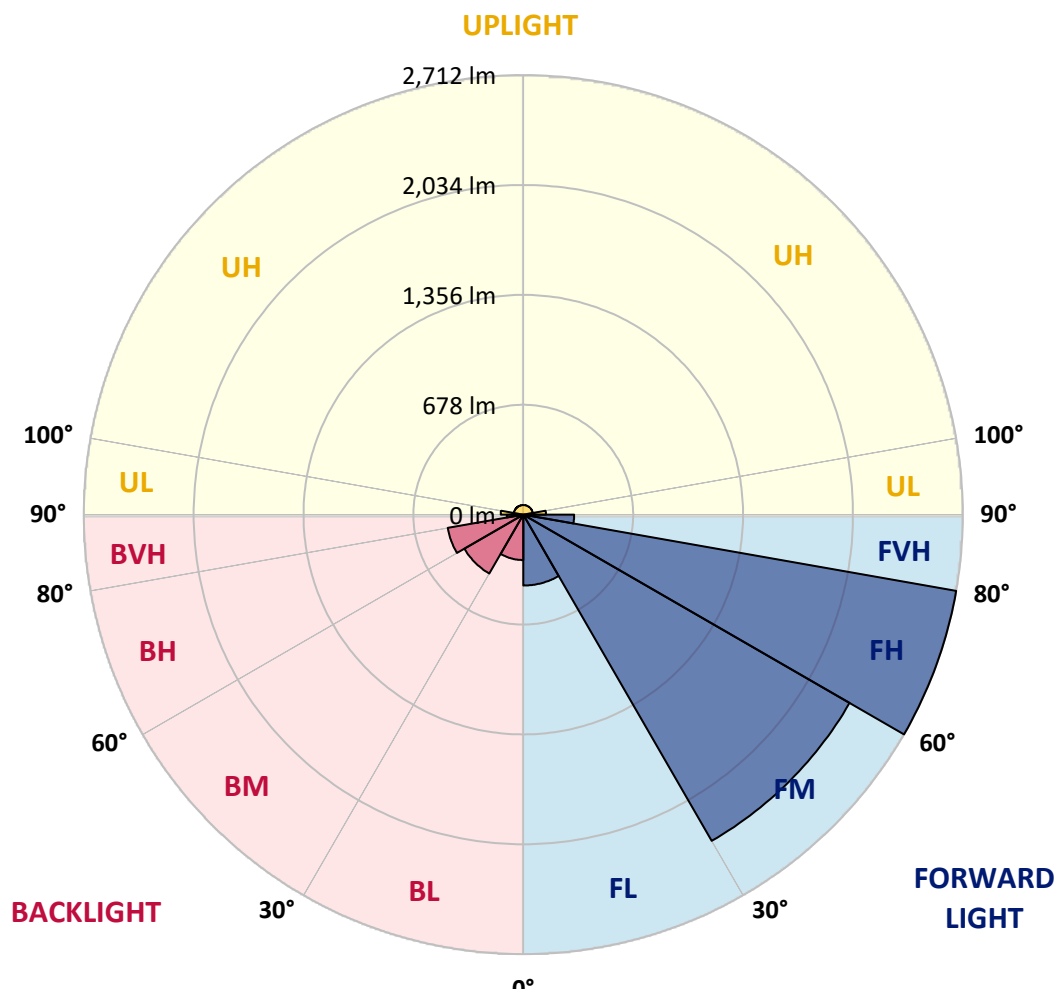
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.3	6.0			
FM	(30°-60°)	2324.1	32.0			
FH	(60°-80°)	2711.8	37.4			G2/5000
FVH	(80°-90°)	313.7	4.3			G3/500
BL	(0°-30°)	280.2	3.9	B1/500		
BM	(30°-60°)	419.4	5.8	B1/1000		
BH	(60°-80°)	472.9	6.5	B1/500		G1/500
BVH	(80°-90°)	102.0	1.4			G2/225
UL	(90°-100°)	139.6	1.9		U3/500	
UH	(100°-180°)	59.2	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3
2.5°	1608.6	1758.7	1744.6	1860.7	1860.7	1886.2	1897.5	1894.7	1906.0	1917.3	1914.5
5°	1481.2	1484.0	1495.3	1520.8	1529.3	1537.8	1566.1	1665.3	1832.4	1872.0	1872.0
7.5°	1223.5	1291.4	1376.4	1390.6	1441.5	1467.0	1498.2	1503.8	1390.6	1594.5	1614.3
10°	1240.5	1243.3	1237.6	1268.8	1232.0	1217.8	1118.7	1124.3	1135.7	1212.1	1365.1
12.5°	971.4	1028.0	1149.8	1206.5	1115.8	1016.7	1011.1	1059.2	1079.0	965.7	1203.6
15°	1110.2	1115.8	1118.7	1121.5	832.6	965.7	844.0	776.0	869.5	1096.0	1246.1
17.5°	869.5	875.1	1008.2	1005.4	917.6	742.0	917.6	937.4	900.6	931.8	1042.2
20°	1019.6	1022.4	1013.9	787.3	804.3	909.1	790.2	787.3	832.6	1073.4	1212.1
22.5°	838.3	827.0	824.1	900.6	818.5	875.1	767.5	889.3	965.7	957.2	914.8
25°	1050.7	1047.9	1005.4	784.5	838.3	742.0	897.8	753.3	835.5	1158.3	1212.1
27.5°	982.7	943.1	872.3	906.3	781.7	869.5	798.7	911.9	962.9	1189.5	1404.7
30°	1271.6	1243.3	1161.2	914.8	863.8	801.5	855.3	914.8	1096.0	1532.2	1605.8
32.5°	1679.4	1648.3	1353.7	1121.5	906.3	948.8	900.6	1073.4	1209.3	1563.3	1620.0
35°	1804.0	1761.6	1617.1	1359.4	1039.4	1008.2	960.1	1081.9	1226.3	1645.4	1645.4
37.5°	1874.8	1872.0	1804.0	1501.0	1172.5	1155.5	1033.7	1135.7	1294.3	1724.7	1707.8
40°	1886.2	1900.3	1931.5	1625.6	1331.1	1294.3	1130.0	1209.3	1390.6	1821.0	1787.1
42.5°	1979.6	2005.1	2075.9	1789.9	1489.7	1455.7	1243.3	1316.9	1495.3	1962.6	1954.1
45°	2129.7	2155.2	2217.5	1971.1	1628.5	1605.8	1427.4	1472.7	1665.3	2211.9	2132.6
47.5°	2441.3	2446.9	2421.4	2121.2	1778.6	1778.6	1605.8	1648.3	1818.2	2441.3	2364.8
50°	2752.8	2718.8	2605.5	2299.7	1928.7	1971.1	1789.9	1889.0	1991.0	2673.5	2568.7
52.5°	2925.6	2919.9	2767.0	2435.6	2058.9	2141.1	2002.3	2087.3	2149.6	2908.6	2761.3
55°	2931.2	2922.7	2817.9	2500.7	2180.7	2316.7	2214.7	2325.1	2370.5	3092.6	3024.7
57.5°	2837.8	2860.4	2806.6	2537.6	2240.2	2486.6	2472.4	2591.4	2614.0	3310.7	3205.9
60°	2690.5	2687.7	2752.8	2571.5	2330.8	2648.0	2710.3	2832.1	2953.9	3477.8	3367.4
62.5°	2322.3	2347.8	2531.9	2571.5	2429.9	2857.6	2976.5	3104.0	3254.1	3630.7	3511.8
65°	1818.2	1832.4	2121.2	2384.6	2458.3	3138.0	3245.6	3373.0	3531.6	3786.5	3673.2
67.5°	1098.9	1192.3	1441.5	1962.6	2313.8	3475.0	3673.2	3727.0	3817.7	3962.1	3911.1
70°	625.9	654.2	773.2	1234.8	1931.5	3582.6	4460.5	4364.3	4270.8	4304.8	4208.5
72.5°	475.8	492.8	546.6	730.7	1155.5	3163.4	5123.3	5480.1	5077.9	4661.6	4200.0
75°	345.5	362.5	416.3	589.1	759.0	2027.8	5055.3	6032.4	5800.1	4678.6	3797.8
77.5°	215.2	218.1	249.2	501.3	682.5	1016.7	3956.4	5372.5	5474.4	4369.9	3149.3
80°	150.1	152.9	158.6	269.0	628.7	815.6	2656.5	3945.1	4089.5	3041.7	1605.8
82.5°	107.6	113.3	118.9	158.6	407.8	778.8	1653.9	2483.7	2189.2	1101.7	651.4
85°	56.6	62.3	76.5	96.3	164.3	846.8	991.2	1263.1	999.7	447.5	388.0
87.5°	22.7	19.8	17.0	25.5	45.3	325.7	385.2	424.8	328.5	252.1	308.7
90°	19.8	17.0	11.3	14.2	19.8	116.1	243.6	271.9	226.6	246.4	311.5
92.5°	19.8	17.0	11.3	11.3	19.8	116.1	291.7	297.4	235.1	252.1	325.7
95°	19.8	19.8	11.3	11.3	19.8	104.8	345.5	339.9	243.6	266.2	345.5
97.5°	19.8	19.8	8.5	11.3	19.8	70.8	356.8	368.2	237.9	189.8	286.0
100°	19.8	19.8	8.5	8.5	17.0	45.3	249.2	269.0	175.6	62.3	70.8
102.5°	19.8	19.8	8.5	8.5	11.3	31.2	110.5	133.1	104.8	19.8	22.7
105°	19.8	22.7	5.7	5.7	8.5	17.0	48.1	53.8	42.5	14.2	25.5
107.5°	22.7	25.5	5.7	5.7	5.7	8.5	17.0	19.8	11.3	11.3	25.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	19.8	17.0	2.8	5.7	5.7	5.7	5.7	5.7	5.7	11.3	28.3
115°	11.3	8.5	2.8	5.7	5.7	5.7	2.8	5.7	8.5	11.3	25.5
117.5°	11.3	8.5	2.8	2.8	2.8	5.7	2.8	2.8	8.5	14.2	31.2
120°	8.5	8.5	2.8	2.8	2.8	2.8	2.8	5.7	5.7	19.8	42.5
122.5°	8.5	8.5	2.8	2.8	2.8	2.8	2.8	5.7	5.7	19.8	42.5
125°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	5.7	5.7	17.0	39.6
127.5°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	5.7	5.7	14.2	31.2
130°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	5.7	2.8	14.2	25.5
132.5°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	2.8	8.5	19.8
135°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	2.8	5.7	14.2
137.5°	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7
140°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.7	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8
150°	5.7	5.7	11.3	8.5	5.7	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	11.3	11.3	11.3	8.5	2.8	2.8	5.7	8.5	2.8	2.8	2.8
155°	8.5	8.5	8.5	2.8	2.8	2.8	2.8	2.8	5.7	8.5	8.5
157.5°	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3	1917.3
2.5°	1906.0	1911.7	1906.0	1900.3	1894.7	1877.7	1761.6	1620.0	1608.6	1620.0	1614.3
5°	1857.9	1857.9	1855.0	1659.6	1543.5	1509.5	1501.0	1492.5	1475.5	1467.0	1472.7
7.5°	1603.0	1594.5	1495.3	1319.8	1430.2	1390.6	1367.9	1356.6	1186.6	1124.3	1130.0
10°	1339.6	1339.6	1113.0	1050.7	1045.0	1062.0	1178.2	1169.7	1147.0	1132.8	1147.0
12.5°	1155.5	1203.6	883.6	945.9	767.5	849.6	928.9	985.6	812.8	764.7	773.2
15°	1226.3	1209.3	971.4	742.0	676.9	713.7	572.1	716.5	705.2	682.5	679.7
17.5°	1070.5	982.7	810.0	696.7	668.4	504.1	490.0	506.9	464.5	424.8	444.6
20°	1164.0	1115.8	858.1	620.2	515.4	458.8	345.5	322.9	410.7	430.5	427.6
22.5°	971.4	810.0	702.4	617.4	416.3	328.5	260.6	286.0	305.9	325.7	334.2
25°	1141.3	1053.5	767.5	461.6	337.0	240.7	235.1	212.4	320.0	365.3	362.5
27.5°	1316.9	1192.3	739.2	433.3	243.6	206.7	189.8	215.2	223.7	252.1	269.0
30°	1472.7	1322.6	855.3	402.2	203.9	155.8	169.9	175.6	218.1	235.1	235.1
32.5°	1467.0	1285.8	764.7	342.7	167.1	141.6	141.6	167.1	192.6	232.2	235.1
35°	1464.2	1257.4	682.5	266.2	147.3	124.6	130.3	158.6	192.6	215.2	218.1
37.5°	1498.2	1249.0	600.4	215.2	133.1	118.9	124.6	150.1	206.7	229.4	229.4
40°	1549.2	1254.6	518.3	184.1	127.4	116.1	118.9	158.6	186.9	206.7	206.7
42.5°	1704.9	1336.7	447.5	169.9	127.4	113.3	113.3	147.3	189.8	223.7	226.6
45°	1821.0	1401.9	393.7	169.9	124.6	107.6	118.9	147.3	167.1	246.4	263.4
47.5°	2008.0	1520.8	342.7	169.9	124.6	104.8	110.5	144.4	175.6	283.2	294.5
50°	2194.9	1639.8	320.0	169.9	124.6	102.0	124.6	138.8	175.6	294.5	303.0
52.5°	2393.1	1787.1	305.9	169.9	124.6	107.6	135.9	167.1	189.8	263.4	260.6
55°	2597.0	1917.3	297.4	175.6	124.6	107.6	147.3	155.8	161.4	203.9	209.6
57.5°	2786.8	2075.9	314.4	175.6	121.8	113.3	138.8	152.9	141.6	178.4	181.3
60°	2936.9	2220.4	356.8	169.9	118.9	113.3	141.6	167.1	158.6	195.4	201.1
62.5°	3109.6	2373.3	456.0	172.8	118.9	116.1	158.6	181.3	161.4	192.6	203.9
65°	3336.2	2605.5	566.4	189.8	121.8	121.8	161.4	195.4	161.4	189.8	189.8
67.5°	3591.1	2820.8	566.4	220.9	130.3	130.3	161.4	206.7	172.8	189.8	189.8
70°	3778.0	2832.1	467.3	243.6	141.6	138.8	167.1	215.2	175.6	209.6	206.7
72.5°	3571.3	2523.4	388.0	240.7	152.9	144.4	189.8	220.9	178.4	237.9	235.1
75°	3135.1	2081.6	337.0	215.2	138.8	147.3	198.2	226.6	181.3	249.2	243.6
77.5°	2472.4	1518.0	286.0	181.3	121.8	141.6	203.9	232.2	186.9	263.4	260.6
80°	1198.0	761.8	232.2	152.9	110.5	135.9	203.9	229.4	184.1	271.9	271.9
82.5°	540.9	379.5	158.6	104.8	110.5	138.8	209.6	232.2	184.1	266.2	263.4
85°	351.2	260.6	102.0	82.1	110.5	158.6	212.4	220.9	175.6	246.4	246.4
87.5°	263.4	181.3	53.8	51.0	121.8	172.8	212.4	203.9	169.9	232.2	226.6
90°	269.0	192.6	56.6	51.0	130.3	175.6	212.4	201.1	164.3	209.6	209.6
92.5°	291.7	212.4	65.1	56.6	133.1	158.6	201.1	181.3	152.9	181.3	178.4
95°	317.2	237.9	76.5	65.1	116.1	116.1	158.6	147.3	130.3	138.8	138.8
97.5°	232.2	169.9	68.0	70.8	87.8	73.6	104.8	99.1	68.0	62.3	59.5
100°	68.0	56.6	62.3	68.0	62.3	53.8	79.3	76.5	45.3	22.7	22.7
102.5°	25.5	28.3	56.6	62.3	48.1	39.6	56.6	62.3	36.8	5.7	8.5
105°	22.7	19.8	39.6	48.1	28.3	22.7	28.3	39.6	22.7	5.7	5.7
107.5°	25.5	19.8	19.8	25.5	11.3	11.3	11.3	14.2	8.5	5.7	5.7



REPORT NUMBER: P561036

CATALOG NUMBER: SDL-PA1-80-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.5	19.8	11.3	11.3	8.5	8.5	5.7	5.7	8.5	14.2	14.2
115°	28.3	22.7	11.3	8.5	5.7	8.5	5.7	2.8	8.5	19.8	19.8
117.5°	34.0	25.5	8.5	8.5	5.7	5.7	5.7	2.8	8.5	25.5	28.3
120°	42.5	31.2	11.3	5.7	5.7	5.7	5.7	2.8	11.3	28.3	31.2
122.5°	42.5	34.0	11.3	5.7	5.7	2.8	2.8	5.7	11.3	28.3	31.2
125°	39.6	31.2	11.3	5.7	5.7	2.8	2.8	2.8	14.2	28.3	31.2
127.5°	31.2	28.3	11.3	5.7	2.8	2.8	2.8	5.7	11.3	25.5	25.5
130°	25.5	22.7	8.5	5.7	2.8	2.8	2.8	2.8	11.3	19.8	22.7
132.5°	19.8	17.0	8.5	5.7	2.8	2.8	2.8	2.8	11.3	19.8	19.8
135°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	2.8	8.5	14.2	17.0
137.5°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	5.7	8.5	8.5
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	5.7	5.7
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	5.7
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	5.7	5.7
155°	8.5	8.5	8.5	5.7	2.8	0.0	0.0	0.0	2.8	2.8	5.7
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
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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110°	25.5	25.5	5.7	5.7	5.7	8.5	5.7	5.7	8.5	11.3	28.3
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110°	25.5	19.8	11.3	11.3	8.5	8.5	8.5	5.7	5.7	5.7	5.7
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