

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: P559802

Luminaire Tested: **SDL-PA1-100-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8320.9 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

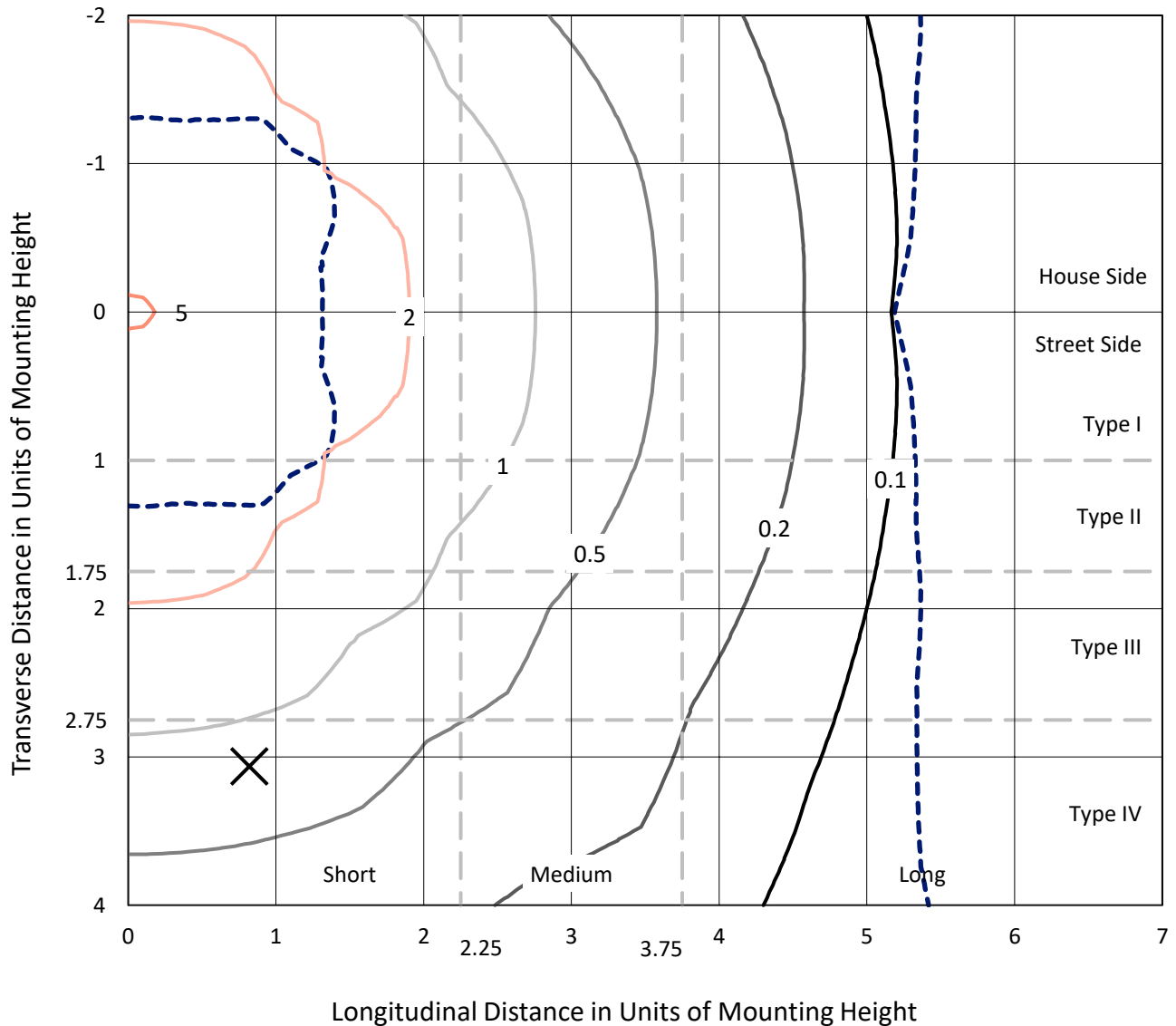
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

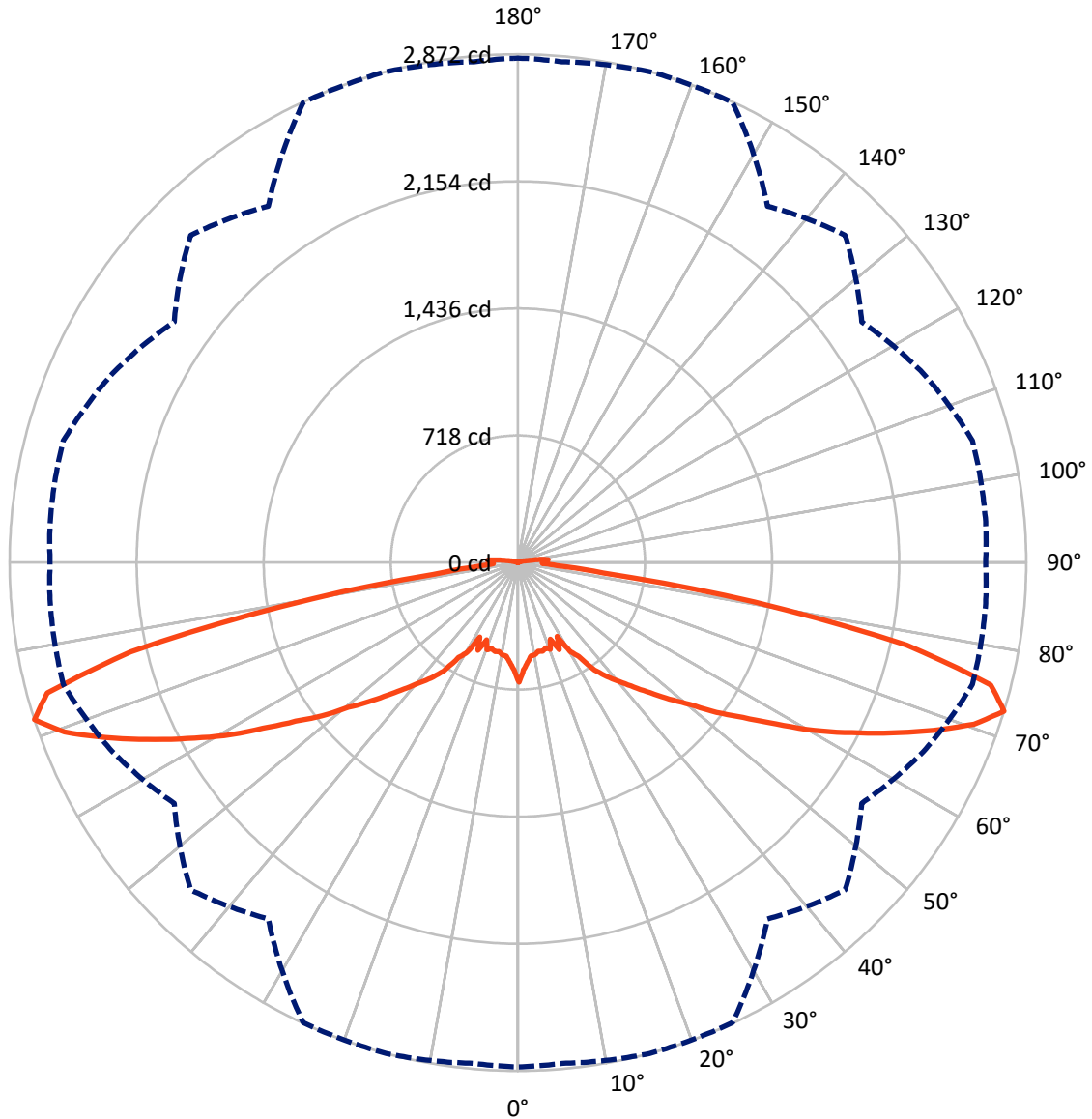
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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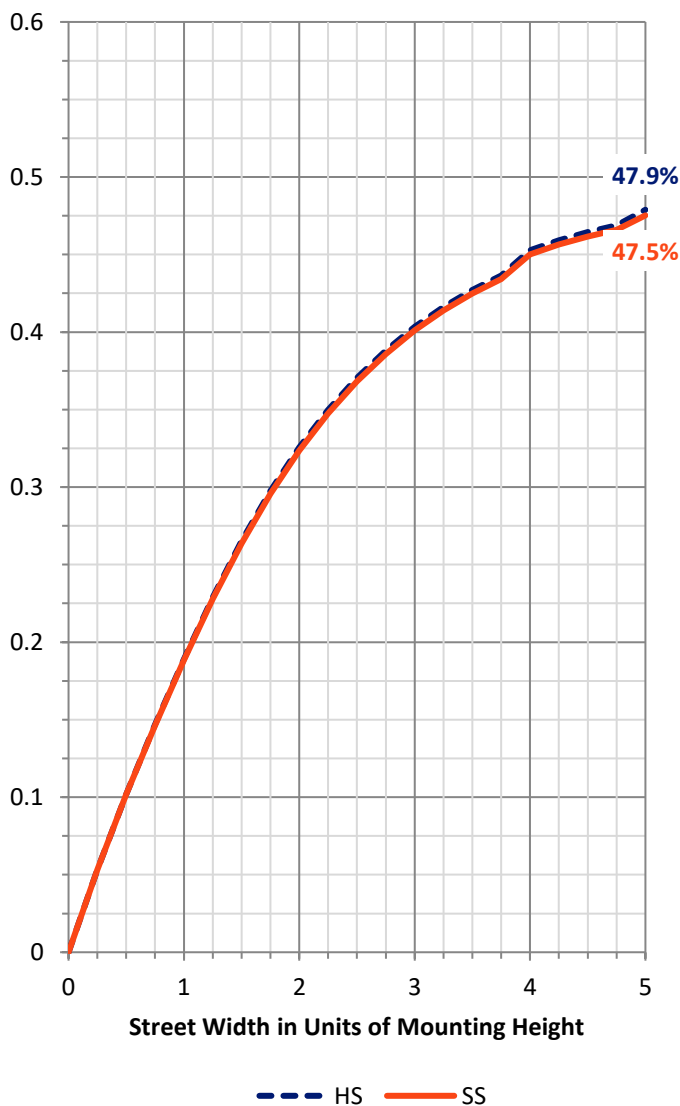
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4034.1	126.3	4160.4
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4034.1	126.3	4160.4
	% Fixture	48.5	1.5	50.0
Total	Lumens	8068.2	252.6	8320.9
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	0.6
10°-20°	122.7	1.5
20°-30°	215.6	2.6
30°-40°	416.1	5.0
40°-50°	723.2	8.7
50°-60°	1274.5	15.3
60°-70°	2153.1	25.9
70°-80°	2531.1	30.4
80°-90°	578.5	7.0
90°-100°	190.9	2.3
100°-110°	45.0	0.5
110°-120°	7.3	0.1
120°-130°	5.8	0.1
130°-140°	2.4	0.0
140°-150°	0.5	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8068.2	97.0
0°-180°	8320.9	100.0

Coefficient of Utilization



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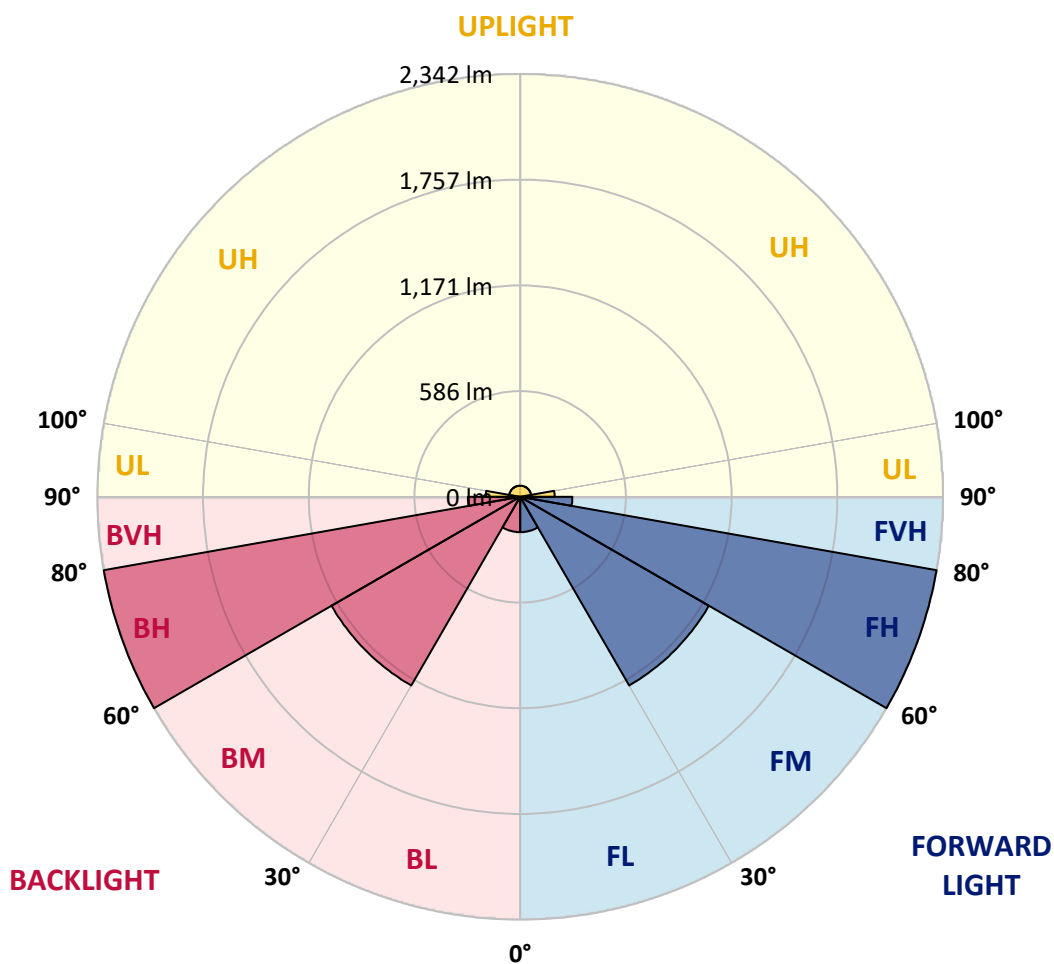
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.8	2.4			
FM (30°-60°)	1206.9	14.5			
FH (60°-80°)	2342.1	28.1			G2/5000
FVH (80°-90°)	289.3	3.5			G3/500
BL (0°-30°)	195.8	2.4	B1/500		
BM (30°-60°)	1206.9	14.5	B2/2500		
BH (60°-80°)	2342.1	28.1	B3/2500		G2/5000
BVH (80°-90°)	289.3	3.5			G3/500
UL (90°-100°)	190.9	2.3		U3/500	
UH (100°-180°)	61.7	0.7		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	676.5	676.5	676.5	676.5	676.5	676.5	676.5	676.5	676.5	676.5	676.5
2.5°	598.2	610.8	607.6	629.6	648.4	654.6	667.1	667.1	670.3	670.3	670.3
5°	566.9	566.9	566.9	566.9	566.9	563.8	576.3	632.7	651.5	654.6	651.5
7.5°	491.7	507.4	532.5	541.9	551.3	548.1	541.9	507.4	560.7	566.9	570.1
10°	529.3	529.3	529.3	523.1	498.0	476.1	451.0	426.0	435.4	491.7	491.7
12.5°	469.8	466.7	513.7	519.9	473.0	413.4	394.7	404.0	375.9	429.1	429.1
15°	529.3	529.3	519.9	488.6	391.5	413.4	350.8	353.9	400.9	463.6	463.6
17.5°	451.0	454.2	507.4	476.1	426.0	332.0	388.4	350.8	360.2	394.7	397.8
20°	538.7	538.7	523.1	407.2	400.9	413.4	357.1	347.7	400.9	463.6	466.7
22.5°	463.6	463.6	469.8	473.0	413.4	407.2	357.1	404.0	379.0	379.0	422.8
25°	560.7	560.7	545.0	432.2	454.2	394.7	413.4	379.0	463.6	510.5	510.5
27.5°	491.7	491.7	473.0	491.7	438.5	469.8	413.4	447.9	498.0	601.4	607.6
30°	598.2	598.2	582.6	488.6	485.5	457.3	460.4	519.9	642.1	707.9	707.9
32.5°	726.7	729.8	632.7	560.7	491.7	526.2	501.1	592.0	670.3	739.2	742.3
35°	779.9	779.9	745.5	651.5	535.6	554.4	545.0	626.4	720.4	776.8	776.8
37.5°	842.5	842.5	817.5	698.5	588.8	613.9	570.1	673.4	776.8	826.9	820.6
40°	908.3	898.9	883.3	748.6	645.2	651.5	613.9	723.5	830.0	880.1	880.1
42.5°	989.8	989.8	961.6	833.2	701.6	711.0	654.6	786.2	908.3	967.8	971.0
45°	1080.6	1077.5	1049.3	927.1	770.5	786.2	723.5	870.7	1005.4	1061.8	1068.1
47.5°	1187.1	1187.1	1152.6	1027.3	858.2	873.9	801.8	955.3	1124.4	1174.6	1180.8
50°	1299.8	1290.4	1259.1	1143.2	974.1	967.8	889.5	1049.3	1249.7	1284.2	1296.7
52.5°	1431.4	1418.9	1406.3	1274.8	1102.5	1105.6	1002.3	1149.5	1393.8	1412.6	1418.9
55°	1562.9	1553.5	1544.1	1437.7	1243.5	1262.3	1152.6	1287.3	1537.9	1550.4	1562.9
57.5°	1710.2	1719.5	1719.5	1619.3	1403.2	1450.2	1315.5	1459.6	1710.2	1700.8	1697.6
60°	1923.1	1904.3	1926.3	1835.4	1622.5	1660.0	1516.0	1669.4	1876.2	1838.6	1829.2
62.5°	2095.4	2092.3	2117.3	2076.6	1826.0	1920.0	1713.3	1869.9	2032.8	2001.4	2004.6
65°	2292.7	2289.6	2320.9	2302.1	2039.0	2158.0	1929.4	2095.4	2220.7	2186.2	2180.0
67.5°	2483.8	2493.2	2530.8	2555.8	2211.3	2364.8	2136.1	2308.4	2405.5	2349.1	2355.4
70°	2718.7	2703.0	2734.4	2737.5	2352.2	2515.1	2295.9	2443.1	2562.1	2524.5	2518.2
72.5°	2850.3	2840.9	2872.2	2869.0	2458.7	2615.3	2371.0	2527.6	2659.2	2652.9	2643.5
75°	2706.2	2718.7	2759.4	2815.8	2465.0	2671.7	2361.6	2471.3	2574.6	2540.2	2530.8
77.5°	2123.6	2148.7	2245.7	2427.4	2299.0	2649.8	2195.6	2167.4	2189.4	2148.7	2123.6
80°	1127.6	1149.5	1356.2	1666.3	1844.8	2302.1	1844.8	1575.5	1343.7	1177.7	1036.7
82.5°	360.2	388.4	485.5	767.4	1165.2	1603.7	1068.1	604.5	416.6	357.1	335.1
85°	197.3	203.6	219.3	297.6	410.3	648.4	435.4	256.8	225.5	216.1	213.0
87.5°	166.0	169.1	137.8	169.1	197.3	203.6	197.3	140.9	144.1	159.7	156.6
90°	175.4	175.4	140.9	166.0	197.3	200.5	197.3	147.2	144.1	169.1	166.0
92.5°	191.1	191.1	159.7	178.5	219.3	213.0	213.0	153.5	159.7	181.7	181.7
95°	203.6	200.5	172.3	181.7	231.8	238.0	231.8	162.9	172.3	197.3	197.3
97.5°	150.3	144.1	125.3	162.9	219.3	250.6	231.8	153.5	134.7	150.3	147.2
100°	72.0	68.9	65.8	122.2	172.3	191.1	166.0	109.6	59.5	37.6	37.6
102.5°	15.7	15.7	43.9	84.6	100.2	100.2	90.8	75.2	37.6	12.5	12.5
105°	12.5	15.7	31.3	47.0	50.1	28.2	43.9	47.0	21.9	12.5	12.5
107.5°	12.5	15.7	12.5	15.7	15.7	12.5	15.7	18.8	9.4	12.5	12.5
110°	15.7	15.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	12.5	15.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.7	15.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	12.5	15.7
115°	12.5	12.5	6.3	6.3	6.3	6.3	3.1	6.3	6.3	12.5	12.5
117.5°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	6.3	6.3	12.5	15.7
120°	15.7	12.5	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	15.7
122.5°	15.7	15.7	6.3	3.1	3.1	3.1	3.1	3.1	9.4	15.7	18.8
125°	15.7	12.5	6.3	3.1	3.1	3.1	3.1	3.1	6.3	15.7	15.7
127.5°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	3.1	6.3	12.5	15.7
130°	12.5	12.5	6.3	3.1	3.1	3.1	3.1	3.1	6.3	12.5	12.5
132.5°	9.4	9.4	6.3	3.1	3.1	0.0	3.1	3.1	6.3	9.4	9.4
135°	6.3	6.3	3.1	0.0	3.1	0.0	3.1	0.0	3.1	6.3	9.4
137.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
140°	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.1	0.0	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1
150°	3.1	3.1	6.3	3.1	3.1	0.0	3.1	3.1	0.0	0.0	3.1
152.5°	6.3	6.3	6.3	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	6.3	6.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
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)