

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: P560512

Luminaire Tested: **SDL-PA1-50-727-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T2R-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4410.8 lumens
Efficiency: N/A
Efficacy: 84.2 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 - U3 - G2

Input Watts (W): 52.4
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

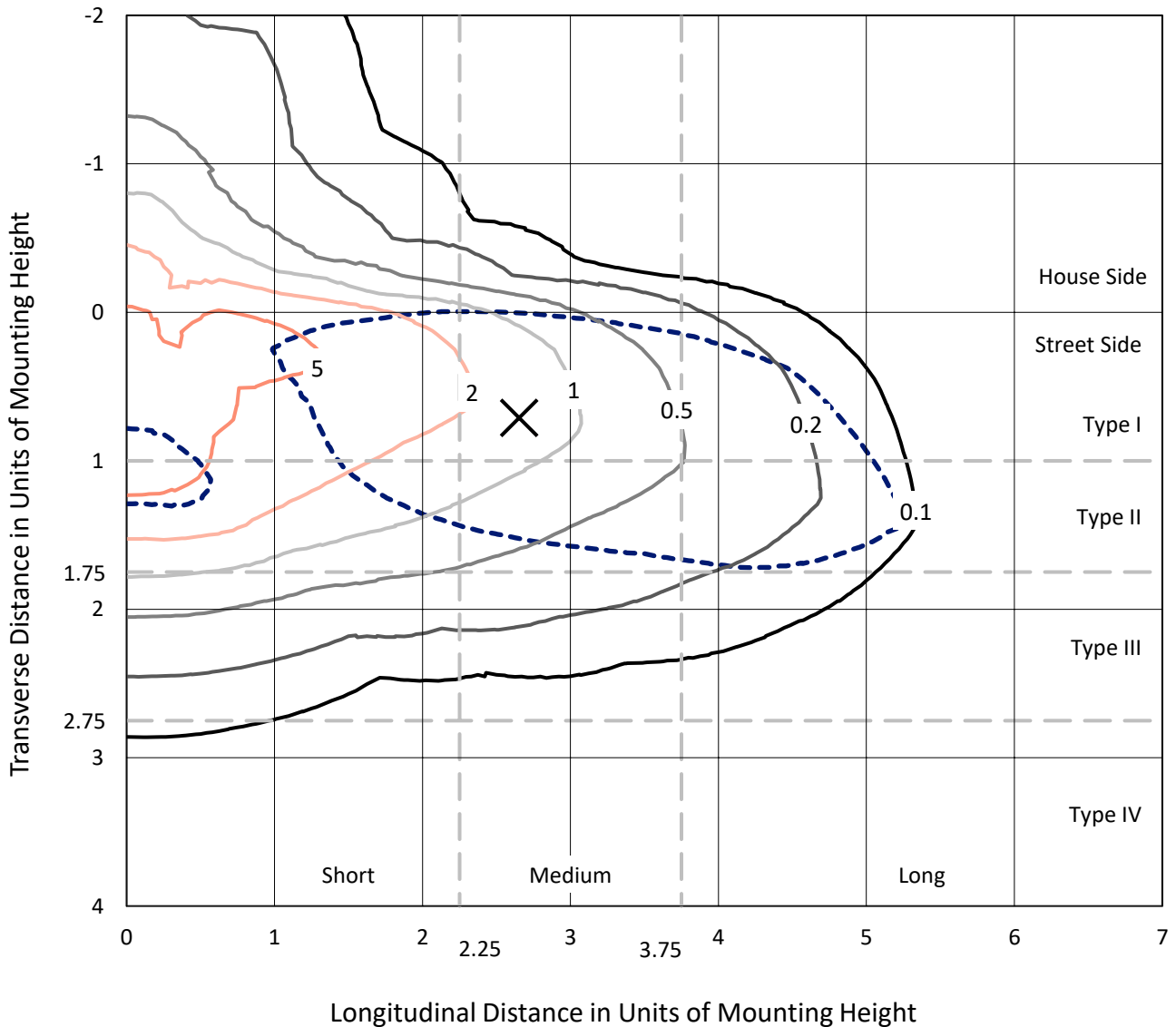


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Iso-Footcandle Lines of Horizontal Illumination

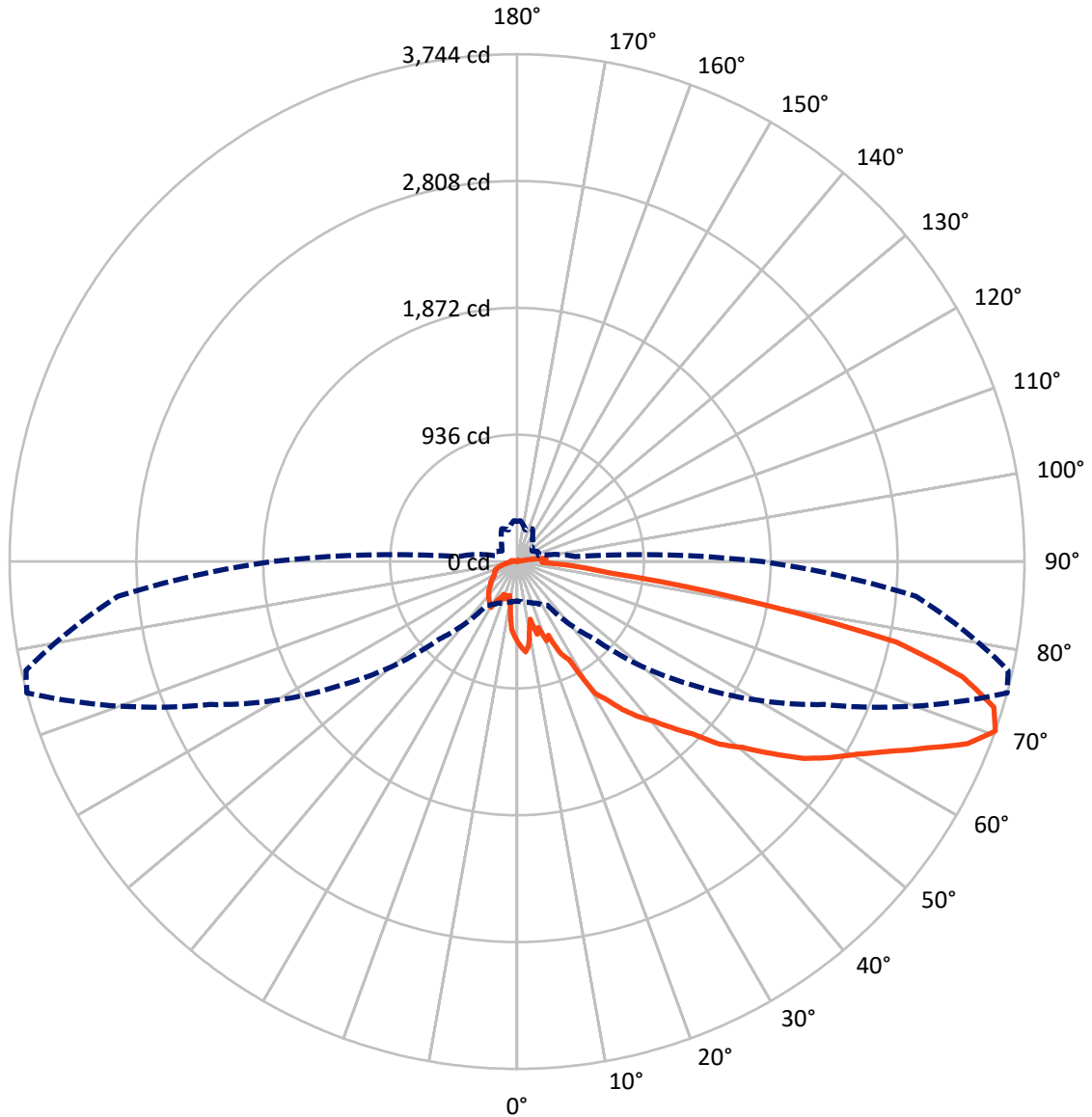
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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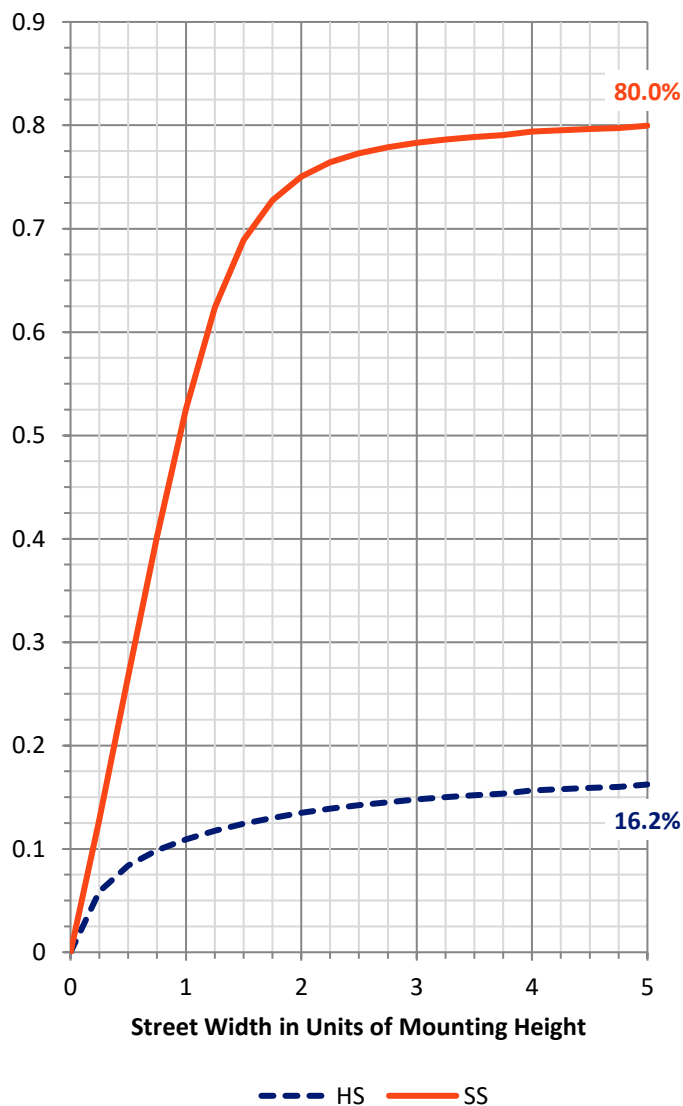
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.1	45.0	799.1
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	3554.7	57.0	3611.7
	% Fixture	80.6	1.3	81.9
Total	Lumens	4308.7	102.1	4410.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.1
10°-20°	128.6	2.9
20°-30°	232.3	5.3
30°-40°	474.6	10.8
40°-50°	745.3	16.9
50°-60°	915.2	20.7
60°-70°	910.2	20.6
70°-80°	673.3	15.3
80°-90°	179.9	4.1
90°-100°	66.5	1.5
100°-110°	15.6	0.4
110°-120°	7.3	0.2
120°-130°	6.5	0.1
130°-140°	3.2	0.1
140°-150°	1.6	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4308.7	97.7
0°-180°	4410.8	100.0

Coefficient of Utilization



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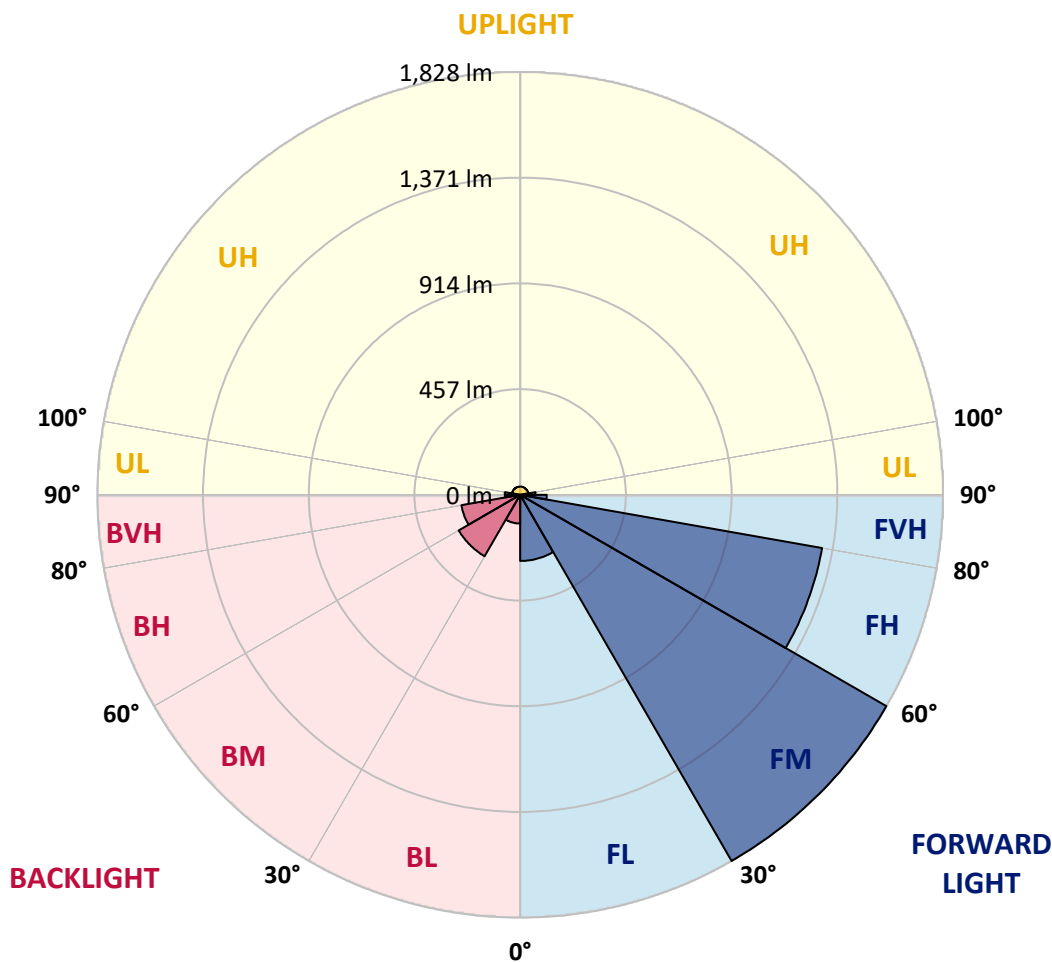
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.9	6.5			
FM (30°-60°)	1828.4	41.5			
FH (60°-80°)	1325.6	30.1			G1/1800
FVH (80°-90°)	114.8	2.6			G2/225
BL (0°-30°)	124.3	2.8	B1/500		
BM (30°-60°)	306.8	7.0	B1/1000		
BH (60°-80°)	257.9	5.8	B1/500		G1/500
BVH (80°-90°)	65.0	1.5			G1/100
UL (90°-100°)	66.5	1.5		U3/500	
UH (100°-180°)	35.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2
2.5°	613.6	648.1	663.6	680.9	696.4	687.8	674.0	653.3	634.3	627.4	606.7
5°	677.4	674.0	672.2	667.1	658.4	642.9	624.0	698.1	668.8	656.7	622.3
7.5°	596.4	691.2	701.5	711.9	708.4	689.5	665.3	598.1	624.0	608.5	565.4
10°	729.1	729.1	725.7	729.1	689.5	658.4	563.6	524.0	505.0	546.4	506.8
12.5°	620.5	675.7	744.6	758.4	698.1	611.9	572.3	553.3	436.1	430.9	461.9
15°	722.2	730.8	732.6	736.0	594.7	641.2	529.2	491.3	556.8	541.2	546.4
17.5°	580.9	589.5	701.5	694.6	639.5	511.9	618.8	555.0	511.9	493.0	486.1
20°	730.8	732.6	727.4	587.8	617.1	668.8	579.2	561.9	624.0	622.3	596.4
22.5°	622.3	624.0	642.9	708.4	637.8	675.7	582.6	701.5	591.2	592.9	460.2
25°	832.5	834.3	817.0	630.9	717.1	634.3	706.7	630.9	755.0	730.8	674.0
27.5°	873.9	810.1	744.6	782.6	684.3	787.7	672.2	763.6	820.5	815.3	823.9
30°	1108.3	1111.8	1067.0	856.7	801.5	777.4	775.7	906.7	1123.8	1132.5	989.4
32.5°	1501.3	1480.6	1260.0	1056.6	863.6	948.0	870.5	1049.7	1215.2	1210.0	1060.1
35°	1680.6	1659.9	1577.2	1304.8	998.0	1023.9	982.5	1116.9	1341.0	1301.4	1130.7
37.5°	1832.3	1828.8	1759.9	1437.6	1134.2	1172.1	1049.7	1199.7	1449.6	1408.3	1203.1
40°	1963.3	1951.2	1890.9	1556.5	1273.8	1275.5	1134.2	1299.7	1546.1	1556.5	1273.8
42.5°	2071.9	2061.5	2011.5	1675.4	1356.5	1366.9	1223.8	1401.4	1675.4	1694.4	1384.1
45°	2116.7	2121.9	2087.4	1782.3	1430.7	1449.6	1330.7	1504.8	1813.3	1828.8	1482.4
47.5°	2149.4	2151.2	2142.5	1870.2	1509.9	1518.6	1435.8	1597.9	2013.3	1982.2	1597.9
50°	2075.3	2068.4	2077.0	1937.4	1578.9	1589.2	1523.7	1694.4	2156.3	2116.7	1718.5
52.5°	1880.5	1889.2	1978.8	1903.0	1601.3	1622.0	1606.5	1778.8	2354.6	2323.5	1890.9
55°	1391.0	1428.9	1687.5	1761.6	1599.6	1635.8	1682.3	1939.1	2563.1	2516.6	2037.4
57.5°	1125.6	1125.6	1277.3	1520.3	1511.7	1627.2	1759.9	2047.7	2728.6	2695.8	2183.9
60°	903.2	903.2	985.9	1206.6	1341.0	1584.1	1839.2	2208.0	2885.5	2866.5	2313.2
62.5°	708.4	706.7	775.7	899.8	1099.7	1489.3	1880.5	2345.9	3082.0	3078.5	2520.0
65°	511.9	518.8	577.4	655.0	863.6	1311.7	1878.8	2470.0	3318.1	3328.4	2752.7
67.5°	379.2	382.7	415.4	472.3	592.9	1087.6	1796.1	2556.2	3585.3	3568.0	2901.0
70°	291.3	296.5	310.3	339.6	394.7	808.4	1596.1	2495.9	3743.8	3711.1	2956.1
72.5°	244.8	246.5	244.8	260.3	263.7	548.1	1279.0	2266.6	3678.3	3626.6	2804.4
75°	208.6	206.8	205.1	208.6	194.8	362.0	917.0	1918.5	3395.7	3306.0	2476.9
77.5°	179.3	177.5	170.6	172.4	155.1	267.2	625.7	1504.8	2861.3	2651.0	1861.6
80°	148.2	148.2	143.1	143.1	131.0	203.4	399.9	1037.7	1666.8	1499.6	968.7
82.5°	115.5	113.8	113.8	117.2	112.0	158.6	262.0	517.1	687.8	644.7	453.3
85°	62.1	62.1	70.7	79.3	77.6	96.5	199.9	305.1	406.8	393.0	253.4
87.5°	19.0	19.0	20.7	25.9	27.6	51.7	125.8	148.2	184.4	203.4	199.9
90°	20.7	19.0	13.8	15.5	17.2	37.9	117.2	143.1	186.2	206.8	212.0
92.5°	24.1	22.4	13.8	13.8	17.2	31.0	112.0	139.6	203.4	224.1	229.3
95°	25.9	24.1	13.8	13.8	17.2	27.6	100.0	137.9	217.2	244.8	244.8
97.5°	24.1	22.4	10.3	12.1	15.5	24.1	77.6	113.8	151.7	167.2	193.1
100°	20.7	20.7	6.9	10.3	13.8	17.2	44.8	62.1	44.8	43.1	43.1
102.5°	19.0	19.0	6.9	8.6	10.3	12.1	20.7	32.8	10.3	12.1	15.5
105°	19.0	20.7	5.2	6.9	6.9	6.9	10.3	17.2	8.6	10.3	15.5
107.5°	19.0	20.7	5.2	5.2	6.9	5.2	5.2	6.9	8.6	10.3	17.2
110°	17.2	17.2	3.4	5.2	5.2	5.2	3.4	5.2	8.6	12.1	17.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	12.1	12.1	3.4	5.2	5.2	5.2	3.4	5.2	8.6	12.1	17.2
115°	8.6	6.9	3.4	5.2	3.4	5.2	3.4	5.2	8.6	12.1	15.5
117.5°	6.9	5.2	3.4	3.4	3.4	3.4	1.7	5.2	10.3	13.8	19.0
120°	6.9	6.9	3.4	3.4	3.4	3.4	1.7	5.2	15.5	17.2	24.1
122.5°	6.9	6.9	3.4	3.4	3.4	3.4	1.7	3.4	13.8	19.0	25.9
125°	6.9	6.9	3.4	3.4	3.4	3.4	1.7	3.4	12.1	17.2	22.4
127.5°	6.9	6.9	3.4	1.7	3.4	3.4	3.4	3.4	10.3	13.8	19.0
130°	6.9	6.9	3.4	1.7	3.4	3.4	3.4	3.4	8.6	10.3	15.5
132.5°	5.2	5.2	3.4	1.7	3.4	1.7	1.7	3.4	6.9	8.6	12.1
135°	3.4	3.4	3.4	1.7	3.4	1.7	1.7	1.7	3.4	5.2	8.6
137.5°	1.7	3.4	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	3.4
140°	1.7	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7
145°	1.7	1.7	1.7	1.7	5.2	3.4	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	1.7	1.7	6.9	5.2	3.4	1.7	1.7	1.7	1.7	1.7
150°	8.6	8.6	8.6	6.9	5.2	3.4	5.2	1.7	1.7	1.7	1.7
152.5°	8.6	8.6	10.3	5.2	3.4	1.7	1.7	6.9	5.2	3.4	3.4
155°	6.9	5.2	5.2	1.7	1.7	1.7	1.7	1.7	5.2	6.9	6.9
157.5°	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	3.4	1.7	1.7
160°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2
2.5°	594.7	580.9	548.1	524.0	494.7	468.8	446.4	396.4	387.8	382.7	380.9
5°	594.7	565.4	501.6	424.0	363.7	349.9	343.0	343.0	339.6	341.3	343.0
7.5°	527.4	487.8	391.3	330.9	341.3	341.3	343.0	334.4	306.8	310.3	305.1
10°	461.9	412.0	294.8	268.9	294.8	296.5	336.1	351.6	356.8	358.5	358.5
12.5°	425.8	355.1	255.1	263.7	237.9	272.3	320.6	358.5	325.8	308.5	308.5
15°	489.5	420.6	286.1	231.0	234.4	272.3	243.0	339.6	351.6	355.1	355.1
17.5°	439.5	370.6	262.0	237.9	262.0	224.1	274.1	312.0	298.2	282.7	281.0
20°	527.4	437.8	293.0	232.7	231.0	265.4	243.0	255.1	318.9	320.6	318.9
22.5°	410.2	349.9	260.3	263.7	231.0	253.4	239.6	263.7	251.7	249.9	251.7
25°	568.8	453.3	299.9	227.5	241.3	224.1	241.3	222.4	267.2	270.6	272.3
27.5°	696.4	541.2	318.9	246.5	210.3	229.3	215.5	222.4	206.8	215.5	218.9
30°	829.1	630.9	389.6	272.3	222.4	196.5	199.9	198.2	224.1	222.4	218.9
32.5°	872.2	642.9	372.3	284.4	220.6	198.2	182.7	194.8	213.7	229.3	231.0
35°	915.3	651.6	358.5	272.3	215.5	186.2	179.3	199.9	215.5	217.2	222.4
37.5°	965.3	658.4	344.7	255.1	199.9	182.7	177.5	186.2	220.6	217.2	212.0
40°	1011.8	661.9	327.5	239.6	182.7	179.3	165.5	186.2	194.8	201.7	205.1
42.5°	1094.5	682.6	313.7	225.8	170.6	170.6	158.6	174.1	199.9	203.4	201.7
45°	1154.9	675.7	294.8	213.7	158.6	151.7	155.1	189.6	201.7	222.4	218.9
47.5°	1241.1	692.9	272.3	194.8	148.2	139.6	146.5	184.4	206.8	222.4	225.8
50°	1325.5	689.5	253.4	179.3	141.3	132.7	162.0	179.3	203.4	229.3	229.3
52.5°	1435.8	694.6	244.8	165.5	132.7	132.7	167.2	181.0	208.6	225.8	225.8
55°	1534.1	675.7	224.1	160.3	131.0	127.6	168.9	187.9	210.3	225.8	227.5
57.5°	1606.5	637.8	208.6	155.1	129.3	131.0	168.9	203.4	196.5	225.8	231.0
60°	1685.8	596.4	194.8	155.1	129.3	136.2	174.1	215.5	215.5	236.1	236.1
62.5°	1794.4	570.5	187.9	156.9	125.8	141.3	189.6	234.4	217.2	249.9	251.7
65°	1885.7	536.1	182.7	163.8	127.6	148.2	198.2	249.9	227.5	265.4	263.7
67.5°	1887.4	484.4	175.8	170.6	129.3	153.4	198.2	260.3	239.6	279.2	274.1
70°	1804.7	432.6	165.5	170.6	134.4	158.6	198.2	267.2	241.3	301.6	296.5
72.5°	1627.2	353.4	150.0	163.8	143.1	165.5	208.6	265.4	241.3	325.8	320.6
75°	1384.1	282.7	129.3	150.0	143.1	174.1	215.5	263.7	232.7	310.3	299.9
77.5°	1053.2	231.0	108.6	131.0	136.2	177.5	215.5	260.3	225.8	289.6	282.7
80°	543.0	162.0	87.9	112.0	127.6	174.1	213.7	246.5	201.7	256.8	253.4
82.5°	298.2	118.9	70.7	82.7	106.9	163.8	206.8	222.4	177.5	210.3	201.7
85°	193.1	86.2	56.9	67.2	89.6	136.2	174.1	175.8	125.8	151.7	143.1
87.5°	144.8	50.0	36.2	41.4	62.1	75.8	110.3	113.8	79.3	93.1	87.9
90°	151.7	50.0	37.9	43.1	55.2	56.9	81.0	86.2	62.1	70.7	70.7
92.5°	162.0	50.0	39.6	44.8	50.0	44.8	63.8	70.7	51.7	56.9	55.2
95°	165.5	48.3	43.1	46.5	44.8	36.2	51.7	56.9	43.1	43.1	43.1
97.5°	120.7	34.5	43.1	46.5	41.4	29.3	39.6	44.8	27.6	22.4	22.4
100°	32.8	17.2	41.4	44.8	36.2	24.1	34.5	34.5	17.2	12.1	12.1
102.5°	13.8	13.8	36.2	39.6	27.6	15.5	24.1	24.1	12.1	5.2	5.2
105°	13.8	10.3	25.9	29.3	19.0	8.6	12.1	13.8	8.6	5.2	5.2
107.5°	13.8	10.3	12.1	15.5	8.6	6.9	6.9	6.9	5.2	5.2	5.2
110°	15.5	10.3	6.9	8.6	6.9	5.2	5.2	5.2	5.2	6.9	8.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.2	12.1	6.9	8.6	6.9	5.2	5.2	5.2	6.9	15.5	15.5
115°	15.5	10.3	6.9	6.9	5.2	5.2	3.4	3.4	6.9	19.0	19.0
117.5°	17.2	12.1	6.9	6.9	5.2	3.4	3.4	3.4	8.6	22.4	22.4
120°	20.7	13.8	6.9	5.2	3.4	3.4	3.4	3.4	10.3	24.1	24.1
122.5°	22.4	15.5	6.9	5.2	3.4	1.7	3.4	5.2	12.1	24.1	24.1
125°	19.0	13.8	6.9	5.2	3.4	1.7	3.4	5.2	12.1	22.4	24.1
127.5°	17.2	12.1	6.9	3.4	3.4	1.7	1.7	5.2	10.3	17.2	20.7
130°	13.8	10.3	5.2	3.4	3.4	1.7	1.7	3.4	10.3	15.5	19.0
132.5°	12.1	8.6	5.2	3.4	3.4	1.7	1.7	3.4	10.3	13.8	13.8
135°	8.6	6.9	3.4	3.4	3.4	1.7	3.4	1.7	6.9	12.1	12.1
137.5°	5.2	3.4	3.4	3.4	3.4	1.7	1.7	1.7	5.2	6.9	6.9
140°	1.7	1.7	3.4	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4
142.5°	1.7	1.7	3.4	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4
145°	1.7	1.7	1.7	3.4	3.4	1.7	1.7	1.7	1.7	1.7	3.4
147.5°	1.7	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4
150°	1.7	1.7	1.7	3.4	3.4	1.7	1.7	3.4	3.4	3.4	3.4
152.5°	1.7	1.7	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4	3.4
155°	5.2	5.2	3.4	3.4	1.7	1.7	0.0	1.7	3.4	3.4	3.4
157.5°	1.7	1.7	3.4	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
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)