

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: P560634

Luminaire Tested: **SDL-PA1-50-827-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-T4W-A
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4362.8 lumens
Efficiency: N/A
Efficacy: 83.3 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): 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

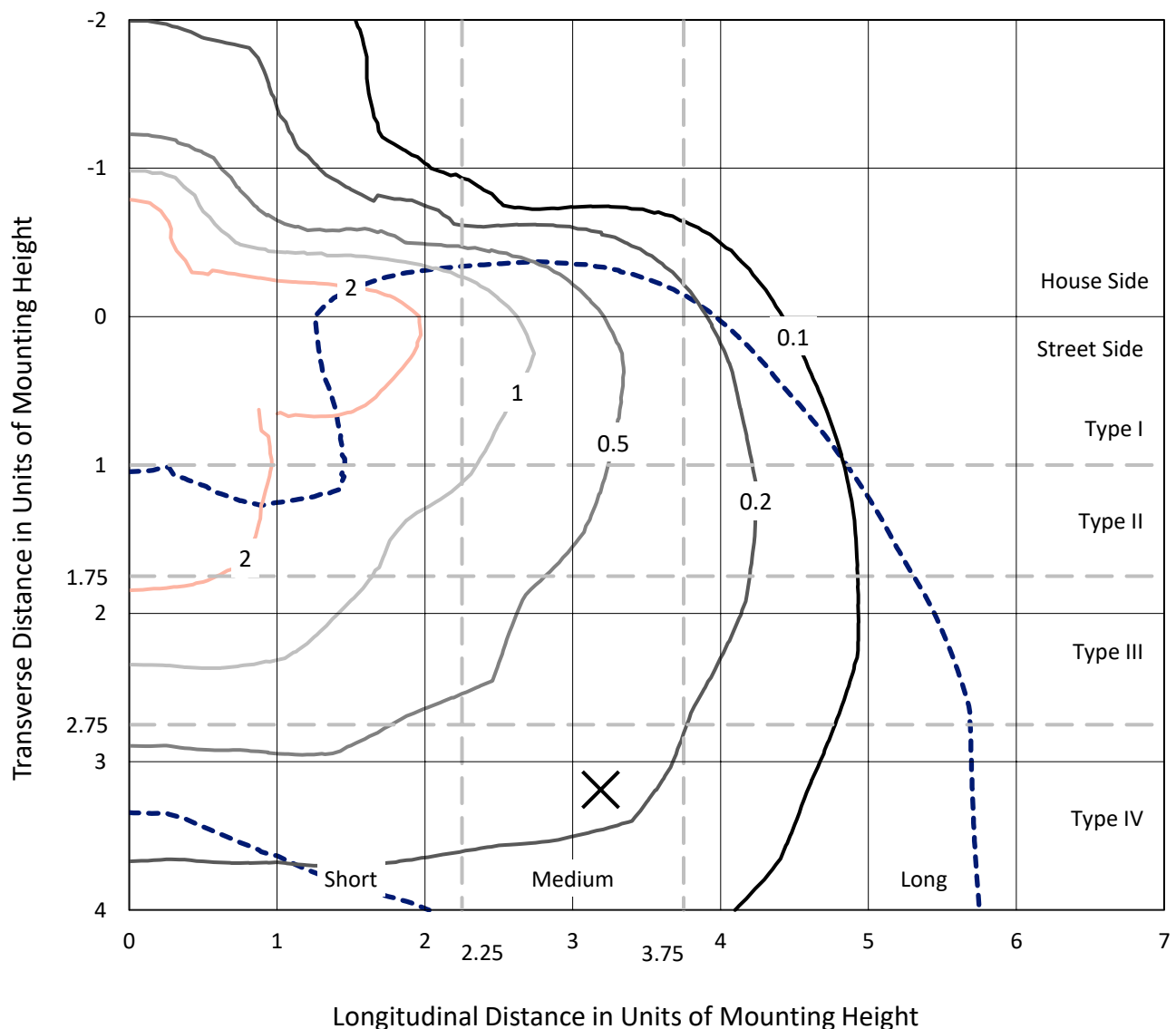


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

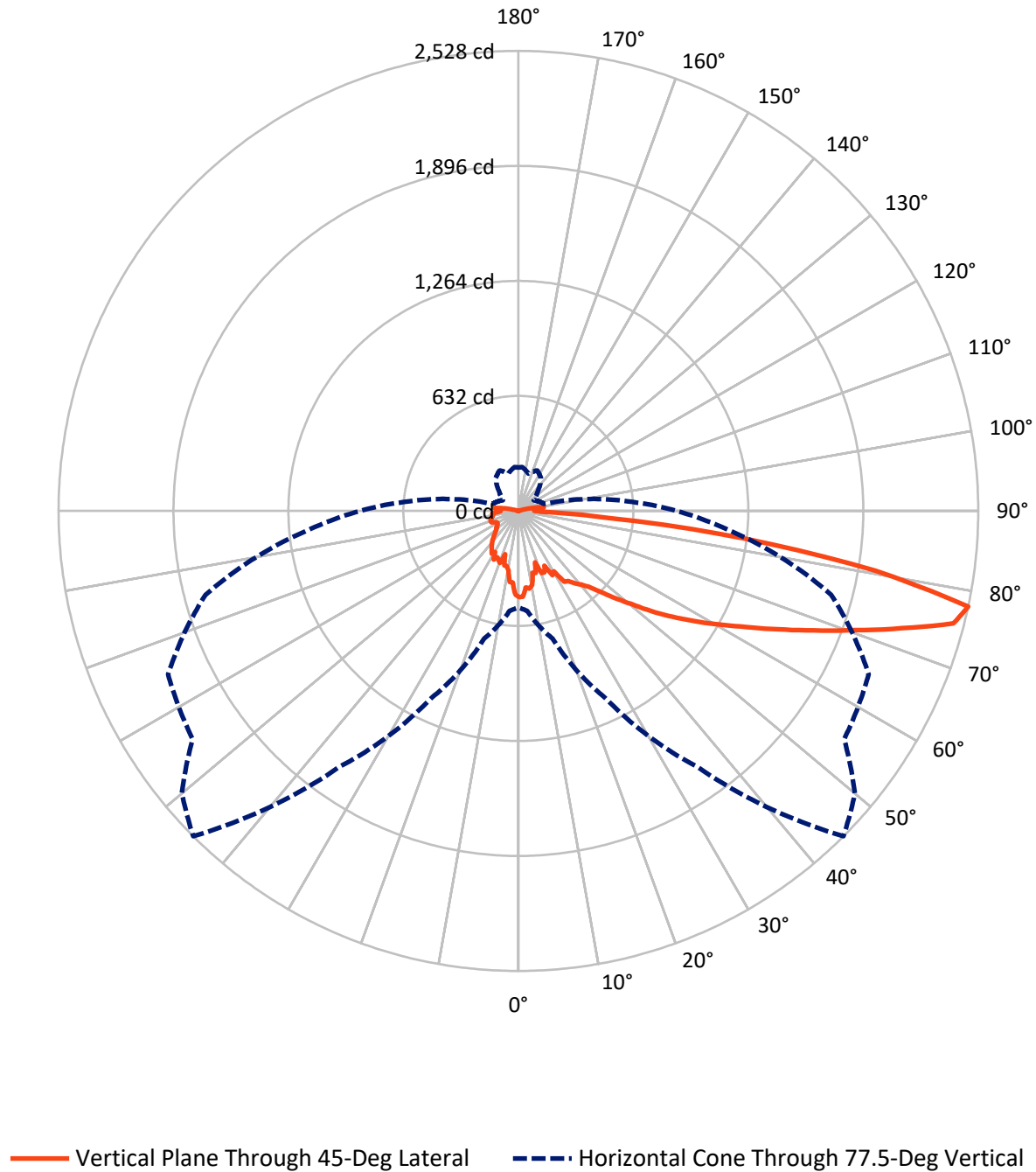


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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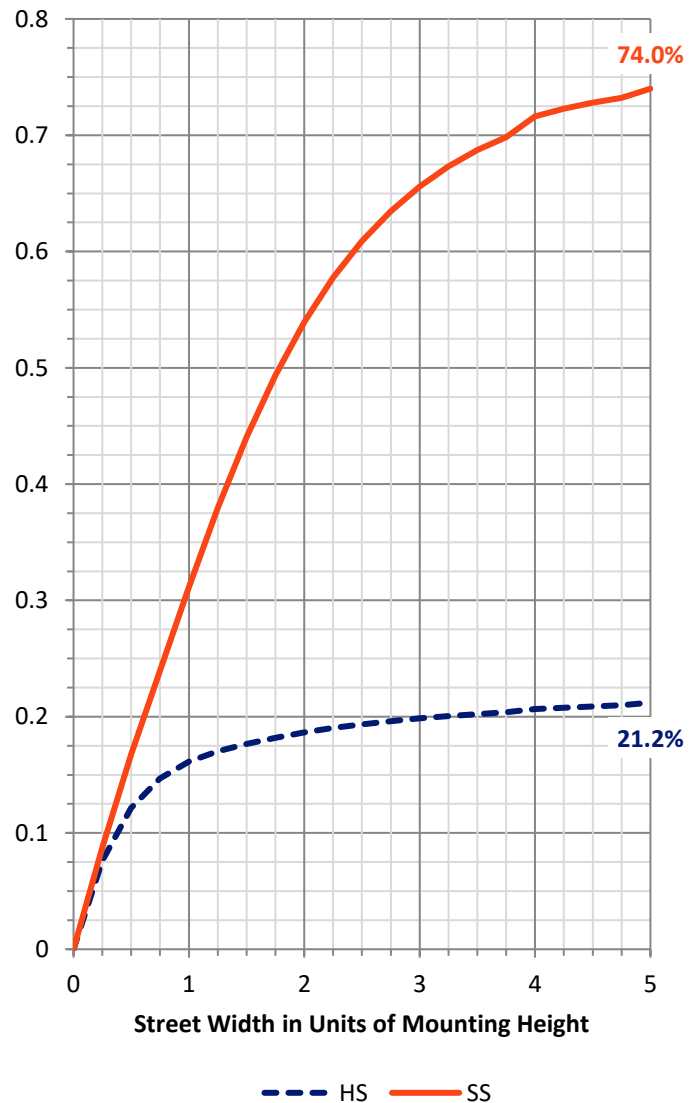
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.5	72.8	1049.3
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3254.6	58.9	3313.5
	% Fixture	74.6	1.3	75.9
Total	Lumens	4231.1	131.7	4362.8
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	0.9
10°-20°	97.5	2.2
20°-30°	168.7	3.9
30°-40°	299.0	6.9
40°-50°	463.4	10.6
50°-60°	746.1	17.1
60°-70°	1097.2	25.1
70°-80°	1056.4	24.2
80°-90°	263.4	6.0
90°-100°	98.2	2.3
100°-110°	21.7	0.5
110°-120°	4.7	0.1
120°-130°	3.9	0.1
130°-140°	1.7	0.0
140°-150°	0.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4231.1	97.0
0°-180°	4362.8	100.0



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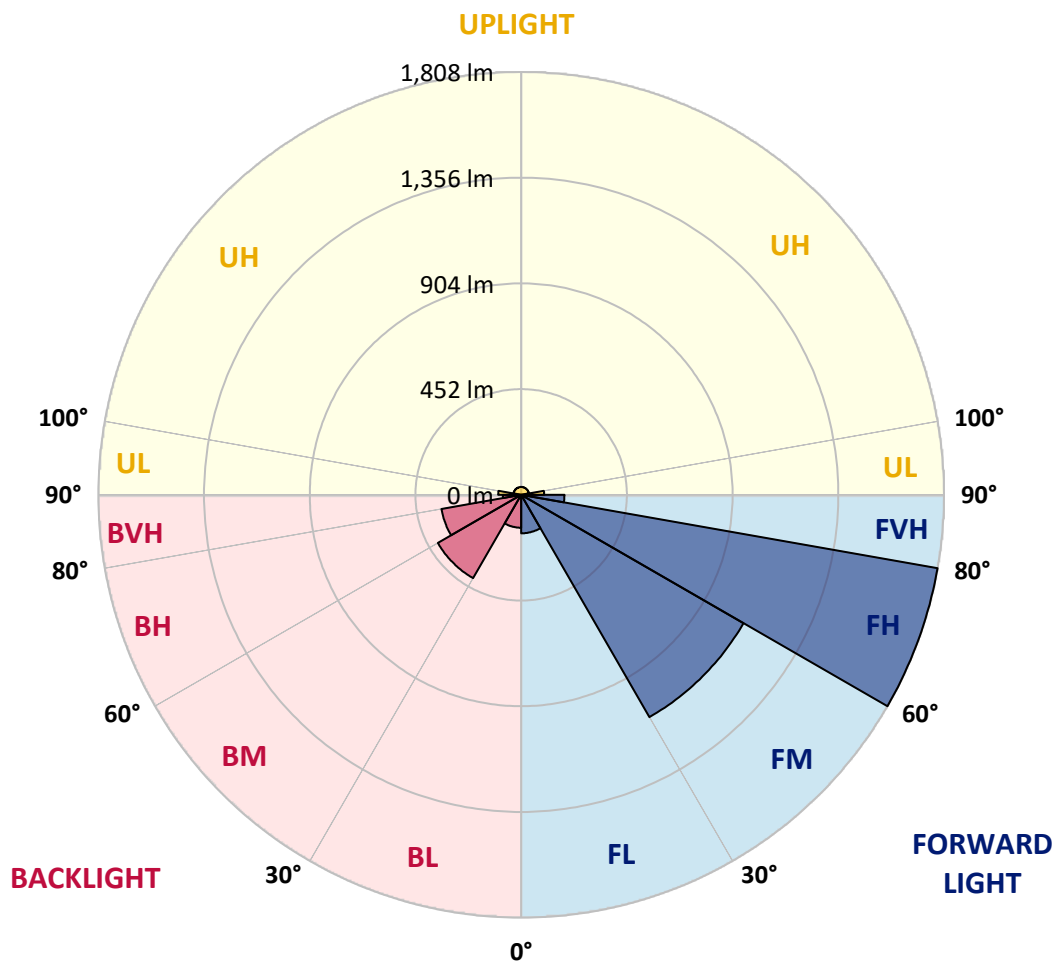
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.7	3.8			
FM	(30°-60°)	1097.3	25.2			
FH	(60°-80°)	1807.6	41.4			G2/5000
FVH	(80°-90°)	185.0	4.2			G2/225
BL	(0°-30°)	140.9	3.2	B1/500		
BM	(30°-60°)	411.2	9.4	B1/1000		
BH	(60°-80°)	346.0	7.9	B1/500		G1/500
BVH	(80°-90°)	78.4	1.8			G1/100
UL	(90°-100°)	98.2	2.3		U3/500	
UH	(100°-180°)	33.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6
2.5°	430.7	471.9	465.1	470.2	470.2	471.9	473.6	473.6	475.4	473.6	473.6
5°	439.3	437.6	434.2	430.7	427.3	422.2	422.2	422.2	463.3	466.8	463.3
7.5°	410.1	446.2	442.7	435.9	435.9	430.7	423.9	417.0	405.0	401.6	406.7
10°	463.3	461.6	456.5	446.2	408.4	415.3	372.4	336.4	322.6	331.2	353.5
12.5°	411.9	441.0	453.0	453.0	405.0	348.4	310.6	331.2	319.2	284.9	310.6
15°	485.6	482.2	468.5	446.2	355.2	353.5	332.9	291.7	296.9	322.6	346.6
17.5°	415.3	415.3	465.1	425.6	365.5	296.9	295.2	327.8	300.3	286.6	300.3
20°	501.1	499.4	483.9	353.5	369.0	363.8	300.3	334.6	286.6	329.5	360.4
22.5°	425.6	422.2	446.2	423.9	351.8	367.2	281.4	317.5	341.5	302.0	279.7
25°	501.1	504.5	497.7	377.5	399.8	332.9	339.8	362.1	314.0	382.7	398.1
27.5°	441.0	441.0	422.2	422.2	370.7	399.8	319.2	339.8	374.1	413.6	485.6
30°	540.6	542.3	530.3	406.7	410.1	384.4	370.7	394.7	449.6	537.1	569.7
32.5°	660.7	660.7	568.0	485.6	411.9	463.3	391.3	430.7	509.7	554.3	597.2
35°	736.2	727.6	686.4	545.7	444.5	473.6	442.7	458.2	528.6	593.8	624.7
37.5°	844.3	840.9	799.7	598.9	477.1	504.5	459.9	477.1	562.9	622.9	659.0
40°	993.6	976.4	940.4	691.6	516.5	532.0	480.5	501.1	604.1	660.7	703.6
42.5°	1112.0	1115.4	1089.7	801.4	581.7	571.5	516.5	532.0	648.7	719.0	767.1
45°	1221.8	1218.4	1223.6	933.5	662.4	634.9	580.0	581.7	705.3	791.1	856.3
47.5°	1297.4	1295.6	1307.6	1057.1	765.4	715.6	650.4	643.5	770.5	914.7	978.2
50°	1388.3	1383.2	1376.3	1189.2	882.1	803.1	743.1	719.0	854.6	1053.7	1132.6
52.5°	1499.9	1487.8	1465.5	1292.2	1010.8	914.7	847.7	815.1	967.9	1209.8	1311.1
55°	1606.2	1589.1	1570.2	1407.2	1129.2	1026.2	954.1	935.3	1115.4	1371.1	1501.6
57.5°	1710.9	1702.3	1686.9	1559.9	1280.2	1142.9	1062.3	1058.8	1287.1	1527.3	1705.8
60°	1808.7	1795.0	1815.6	1724.7	1420.9	1266.5	1180.7	1206.4	1475.8	1683.5	1932.3
62.5°	1868.8	1863.7	1908.3	1875.7	1551.3	1403.7	1316.2	1360.8	1657.7	1836.2	2133.1
65°	1779.6	1793.3	1970.1	1970.1	1702.3	1566.8	1481.0	1508.4	1829.3	1990.6	2316.7
67.5°	1616.5	1635.4	1875.7	2023.3	1837.9	1750.4	1661.2	1676.6	1982.1	2115.9	2466.0
70°	1477.5	1491.3	1714.4	2026.7	1923.7	1963.2	1834.5	1820.8	2100.5	2220.6	2520.9
72.5°	1355.7	1374.6	1558.2	2006.1	2007.8	2205.2	2040.4	1958.0	2208.6	2260.1	2345.9
75°	1074.3	1065.7	1273.3	1764.1	2035.3	2469.4	2282.4	2110.8	2261.8	2124.5	1839.6
77.5°	528.6	550.9	725.9	1136.0	1717.8	2527.8	2414.5	2186.3	2124.5	1779.6	1148.1
80°	156.2	161.3	202.5	406.7	986.7	1990.6	1994.1	1808.7	1597.7	1039.9	518.3
82.5°	87.5	89.2	116.7	176.8	405.0	1261.3	1312.8	1086.3	707.0	384.4	259.1
85°	46.3	48.1	60.1	92.7	205.9	502.8	533.7	415.3	341.5	250.5	190.5
87.5°	22.3	22.3	20.6	30.9	75.5	121.8	135.6	154.4	137.3	128.7	157.9
90°	18.9	18.9	15.4	17.2	41.2	87.5	106.4	118.4	108.1	118.4	173.3
92.5°	20.6	20.6	15.4	17.2	44.6	97.8	116.7	132.1	115.0	127.0	192.2
95°	18.9	20.6	13.7	15.4	44.6	120.1	140.7	144.2	118.4	139.0	205.9
97.5°	15.4	15.4	10.3	12.0	39.5	140.7	154.4	149.3	104.7	106.4	164.7
100°	12.0	12.0	6.9	10.3	27.5	113.3	132.1	125.3	68.6	17.2	41.2
102.5°	10.3	10.3	5.1	8.6	12.0	54.9	70.4	68.6	41.2	10.3	8.6
105°	10.3	10.3	5.1	6.9	6.9	15.4	24.0	30.9	17.2	5.1	8.6
107.5°	10.3	10.3	5.1	3.4	3.4	6.9	8.6	8.6	8.6	5.1	10.3
110°	12.0	12.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	10.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.3	10.3	3.4	3.4	1.7	3.4	3.4	3.4	3.4	5.1	10.3
115°	8.6	8.6	1.7	3.4	1.7	1.7	3.4	1.7	3.4	3.4	8.6
117.5°	8.6	6.9	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	10.3
120°	8.6	8.6	3.4	1.7	1.7	1.7	1.7	1.7	3.4	6.9	12.0
122.5°	8.6	8.6	3.4	1.7	0.0	1.7	1.7	1.7	3.4	6.9	13.7
125°	10.3	8.6	3.4	1.7	0.0	0.0	1.7	1.7	1.7	6.9	12.0
127.5°	8.6	6.9	3.4	1.7	0.0	0.0	1.7	1.7	1.7	5.1	10.3
130°	8.6	6.9	3.4	0.0	0.0	0.0	1.7	1.7	1.7	5.1	8.6
132.5°	6.9	5.1	3.4	0.0	0.0	0.0	1.7	1.7	1.7	3.4	6.9
135°	5.1	5.1	1.7	0.0	1.7	0.0	1.7	1.7	1.7	1.7	5.1
137.5°	3.4	3.4	1.7	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
140°	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
142.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	5.1	5.1	5.1	3.4	1.7	1.7	1.7	3.4	1.7	1.7	1.7
152.5°	5.1	5.1	5.1	3.4	0.0	0.0	1.7	1.7	3.4	1.7	1.7
155°	3.4	3.4	3.4	0.0	0.0	0.0	1.7	1.7	1.7	3.4	3.4
157.5°	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6	473.6
2.5°	471.9	470.2	468.5	466.8	463.3	459.9	451.3	415.3	415.3	417.0	417.0
5°	463.3	461.6	456.5	423.9	405.0	394.7	398.1	398.1	398.1	399.8	403.3
7.5°	405.0	403.3	379.3	377.5	384.4	393.0	398.1	389.5	372.4	372.4	372.4
10°	353.5	351.8	308.9	300.3	308.9	329.5	382.7	393.0	399.8	401.6	405.0
12.5°	308.9	303.7	266.0	293.4	274.6	308.9	356.9	396.4	360.4	353.5	353.5
15°	343.2	341.5	296.9	257.4	259.1	308.9	283.2	372.4	393.0	396.4	398.1
17.5°	300.3	296.9	272.9	271.1	286.6	248.8	314.0	355.2	338.1	343.2	343.2
20°	358.7	356.9	312.3	259.1	255.7	303.7	278.0	322.6	384.4	396.4	398.1
22.5°	278.0	278.0	286.6	303.7	276.3	290.0	296.9	341.5	329.5	336.4	356.9
25°	394.7	391.3	346.6	272.9	296.9	279.7	310.6	324.3	381.0	394.7	398.1
27.5°	478.8	470.2	372.4	307.2	267.7	300.3	298.6	314.0	322.6	375.8	382.7
30°	564.6	556.0	478.8	344.9	278.0	259.1	284.9	336.4	387.8	396.4	403.3
32.5°	595.5	588.6	489.1	365.5	279.7	276.3	283.2	336.4	425.6	459.9	466.8
35°	628.1	619.5	499.4	356.9	272.9	257.4	267.7	346.6	423.9	446.2	451.3
37.5°	667.6	652.1	511.4	339.8	254.0	243.7	255.7	315.8	403.3	425.6	429.0
40°	717.3	701.9	526.8	320.9	235.1	226.5	233.4	293.4	353.5	372.4	381.0
42.5°	792.8	763.7	533.7	305.5	217.9	209.4	216.2	264.3	310.6	322.6	327.8
45°	890.6	839.2	544.0	284.9	202.5	190.5	200.8	242.0	264.3	264.3	264.3
47.5°	1010.8	928.4	549.1	267.7	183.6	173.3	183.6	219.7	231.7	224.8	223.1
50°	1158.4	1041.7	574.9	247.1	168.2	159.6	176.8	193.9	199.1	202.5	202.5
52.5°	1331.7	1172.1	590.3	226.5	157.9	152.7	169.9	181.9	183.6	187.1	187.1
55°	1520.4	1314.5	598.9	207.6	151.0	144.2	163.0	175.0	175.0	178.5	178.5
57.5°	1716.1	1479.3	621.2	193.9	144.2	137.3	156.2	176.8	169.9	176.8	178.5
60°	1922.0	1632.0	602.3	180.2	133.9	132.1	157.9	188.8	187.1	195.6	197.3
62.5°	2115.9	1753.8	518.3	168.2	127.0	133.9	176.8	212.8	207.6	221.4	221.4
65°	2225.8	1795.0	381.0	161.3	121.8	144.2	195.6	236.8	219.7	226.5	223.1
67.5°	2249.8	1753.8	274.6	152.7	120.1	161.3	209.4	242.0	217.9	224.8	224.8
70°	2193.1	1657.7	221.4	145.9	118.4	163.0	212.8	242.0	219.7	235.1	231.7
72.5°	1937.4	1410.6	188.8	139.0	118.4	159.6	217.9	243.7	224.8	250.5	245.4
75°	1460.4	1055.4	166.5	132.1	111.5	154.4	221.4	245.4	217.9	245.4	242.0
77.5°	868.3	602.3	147.6	123.6	103.0	149.3	217.9	245.4	212.8	242.0	238.5
80°	367.2	283.2	125.3	108.1	94.4	142.4	214.5	243.7	204.2	235.1	230.0
82.5°	231.7	192.2	106.4	89.2	92.7	140.7	216.2	240.3	200.8	236.8	219.7
85°	187.1	157.9	91.0	75.5	85.8	144.2	207.6	217.9	173.3	204.2	199.1
87.5°	157.9	132.1	41.2	32.6	63.5	111.5	157.9	163.0	125.3	159.6	152.7
90°	173.3	144.2	39.5	27.5	56.6	97.8	145.9	142.4	120.1	152.7	151.0
92.5°	188.8	152.7	37.8	29.2	63.5	106.4	159.6	144.2	127.0	154.4	152.7
95°	195.6	156.2	36.0	30.9	75.5	116.7	169.9	140.7	133.9	142.4	140.7
97.5°	147.6	113.3	34.3	32.6	78.9	132.1	159.6	118.4	87.5	87.5	85.8
100°	37.8	37.8	30.9	30.9	53.2	96.1	121.8	87.5	49.8	37.8	39.5
102.5°	10.3	12.0	27.5	29.2	29.2	42.9	68.6	56.6	32.6	5.1	5.1
105°	10.3	10.3	18.9	22.3	15.4	13.7	27.5	30.9	24.0	3.4	5.1
107.5°	10.3	10.3	8.6	12.0	5.1	6.9	6.9	8.6	8.6	3.4	3.4
110°	12.0	10.3	5.1	5.1	3.4	3.4	3.4	3.4	3.4	6.9	6.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.0	10.3	5.1	3.4	3.4	3.4	3.4	3.4	3.4	8.6	8.6
115°	10.3	8.6	5.1	3.4	3.4	3.4	3.4	1.7	3.4	10.3	10.3
117.5°	12.0	10.3	5.1	3.4	1.7	3.4	3.4	1.7	3.4	12.0	12.0
120°	13.7	12.0	5.1	3.4	1.7	1.7	1.7	1.7	5.1	12.0	12.0
122.5°	13.7	13.7	6.9	1.7	1.7	1.7	1.7	1.7	5.1	12.0	12.0
125°	13.7	12.0	5.1	1.7	1.7	1.7	0.0	1.7	5.1	12.0	13.7
127.5°	10.3	10.3	5.1	1.7	1.7	1.7	0.0	1.7	5.1	10.3	12.0
130°	8.6	8.6	3.4	1.7	1.7	1.7	0.0	1.7	5.1	10.3	10.3
132.5°	6.9	6.9	3.4	1.7	1.7	0.0	0.0	0.0	5.1	8.6	8.6
135°	5.1	5.1	1.7	1.7	1.7	0.0	0.0	0.0	3.4	6.9	6.9
137.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	3.4	3.4
140°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7
147.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	3.4	1.7	3.4
152.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	3.4	3.4	3.4
155°	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	1.7	3.4	3.4
157.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.7	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)