

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: P560164

Luminaire Tested: **SDL-PA1-30-727-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-727-U-T2U-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022 lumens
Efficiency: N/A
Efficacy: 100.4 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 - U2 - G1

Input Watts (W): 30.1
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

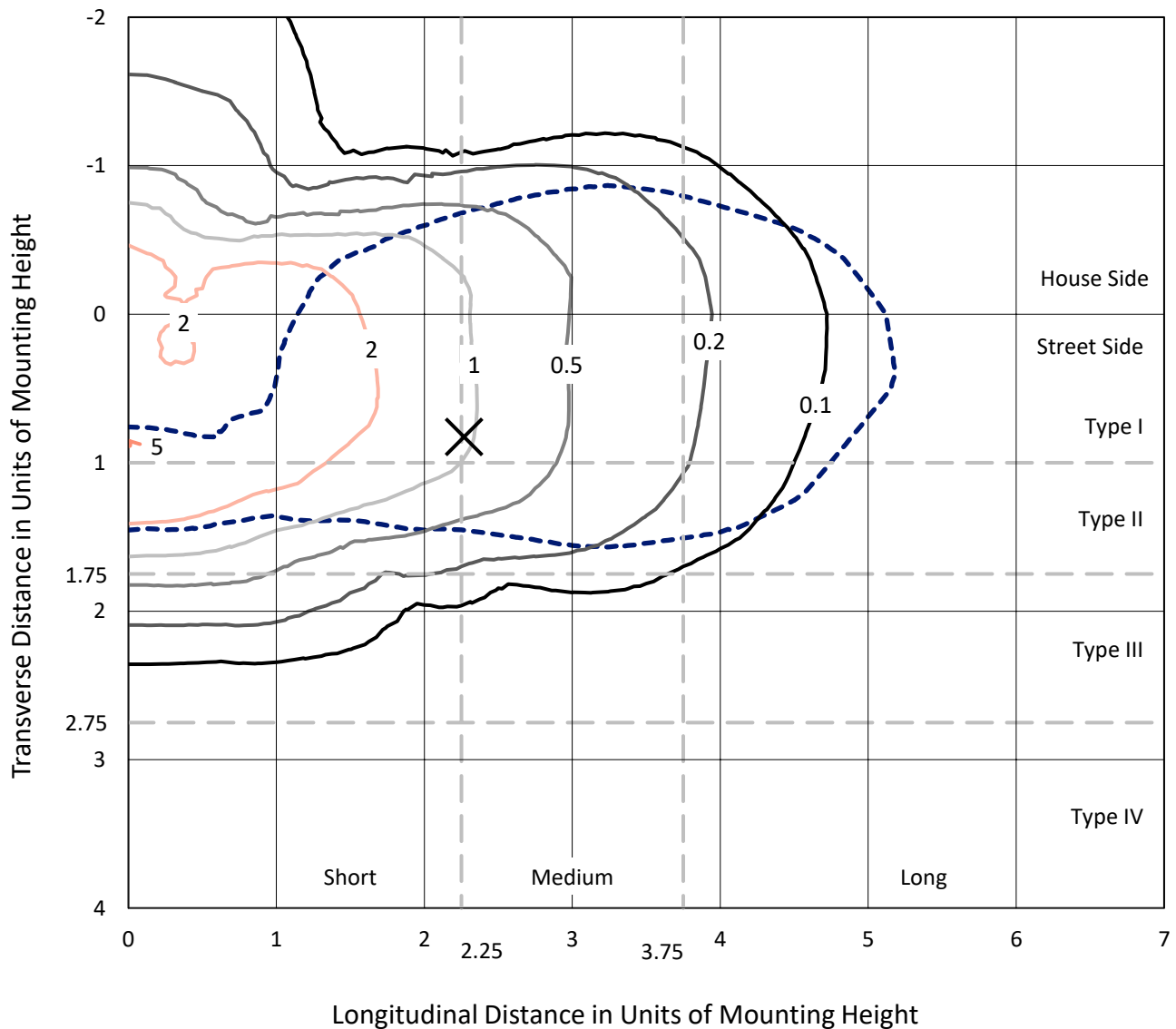


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

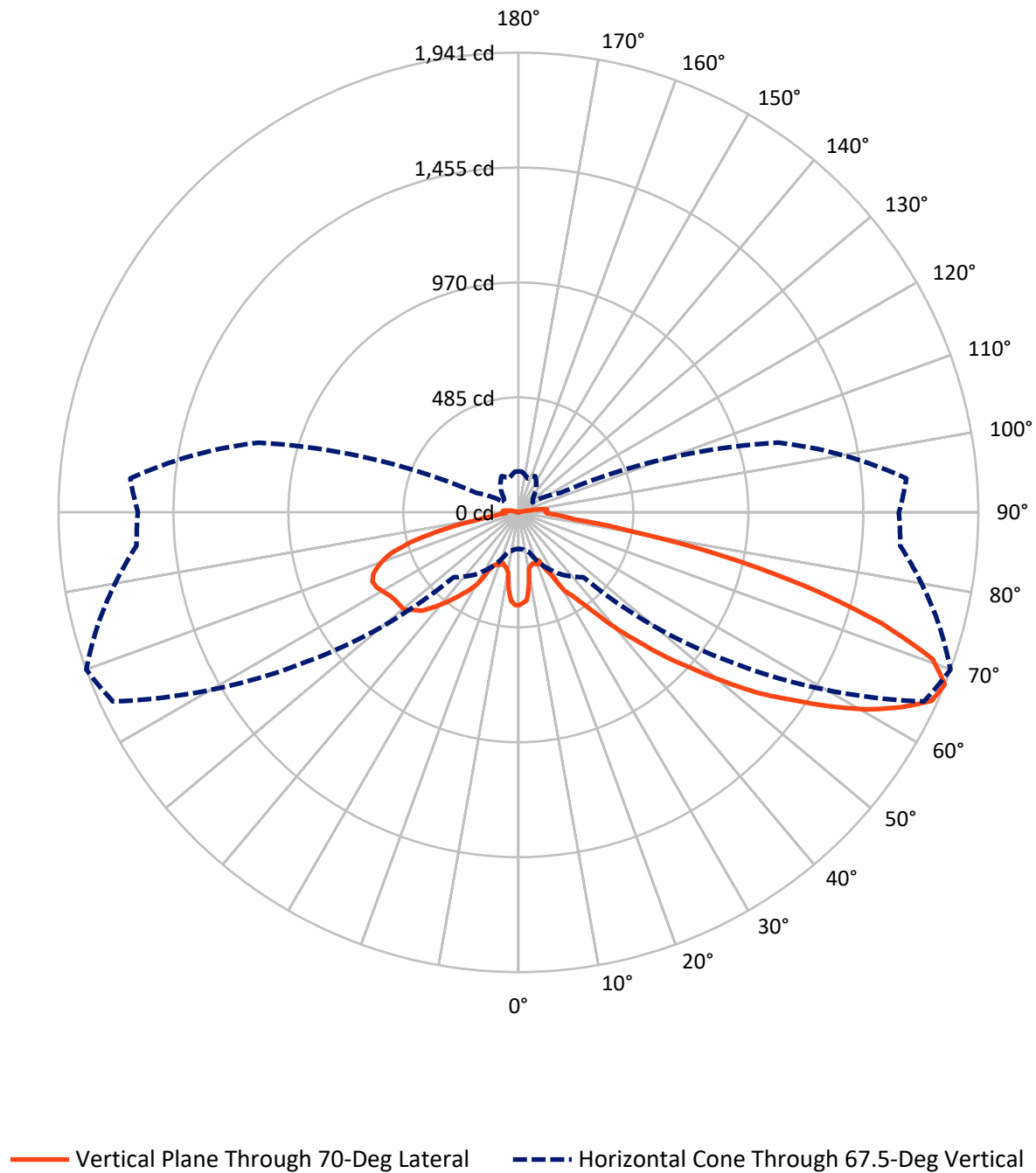


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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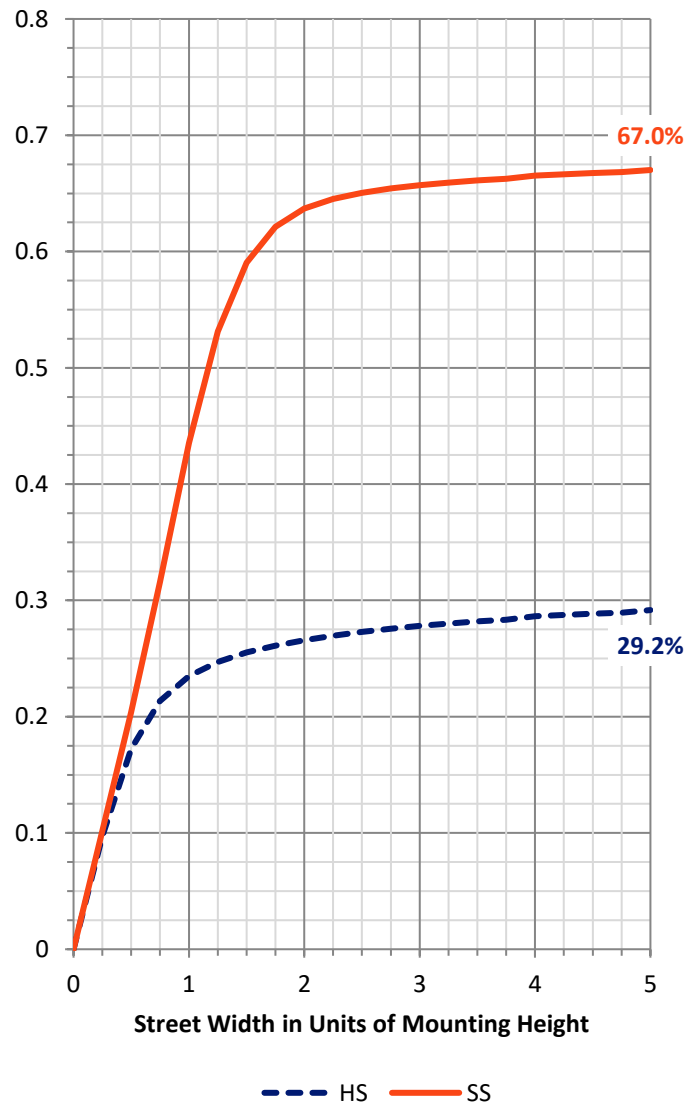
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	908.9	35.7	944.6
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2042.9	34.5	2077.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	2951.8	70.2	3022.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	1.0
10°-20°	72.5	2.4
20°-30°	128.6	4.3
30°-40°	271.0	9.0
40°-50°	506.7	16.8
50°-60°	701.7	23.2
60°-70°	676.6	22.4
70°-80°	444.8	14.7
80°-90°	118.5	3.9
90°-100°	48.6	1.6
100°-110°	10.6	0.4
110°-120°	4.6	0.2
120°-130°	3.3	0.1
130°-140°	1.5	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2951.8	97.7
0°-180°	3022.0	100.0

Coefficient of Utilization



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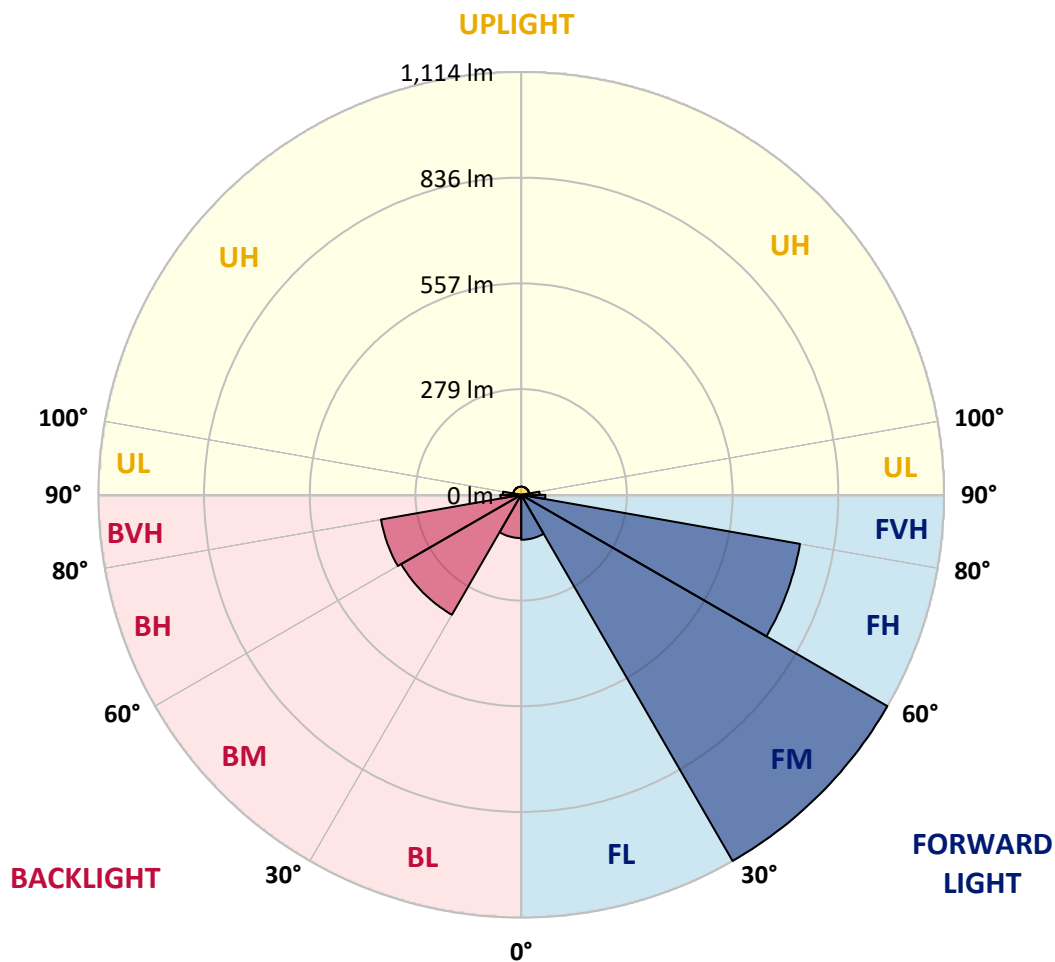
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.4	3.9			
FM	(30°-60°)	1114.5	36.9			
FH	(60°-80°)	746.2	24.7			G1/1800
FVH	(80°-90°)	63.8	2.1			G1/100
BL	(0°-30°)	114.0	3.8	B1/500		
BM	(30°-60°)	364.9	12.1	B1/1000		
BH	(60°-80°)	375.2	12.4	B1/500		G1/500
BVH	(80°-90°)	54.8	1.8			G1/100
UL	(90°-100°)	48.6	1.6		U2/50	
UH	(100°-180°)	21.6	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1
2.5°	326.5	353.0	344.9	370.3	376.1	381.9	383.0	384.2	383.0	384.2	386.5
5°	308.0	309.2	310.3	312.6	312.6	314.9	319.6	368.0	372.6	376.1	380.7
7.5°	257.3	268.8	290.7	298.8	302.3	306.9	309.2	309.2	313.8	325.3	333.4
10°	286.1	283.8	285.0	286.1	270.0	266.5	242.3	238.8	242.3	250.3	288.4
12.5°	240.0	251.5	275.7	281.5	261.9	231.9	228.4	233.0	231.9	208.8	244.6
15°	278.0	276.9	274.6	270.0	219.2	229.6	197.3	199.6	223.8	240.0	273.4
17.5°	242.3	241.1	273.4	264.2	230.7	178.8	225.0	208.8	228.4	211.1	226.1
20°	301.1	300.0	296.5	220.3	235.3	237.7	218.0	201.9	235.3	243.4	274.6
22.5°	273.4	273.4	295.3	289.6	238.8	251.5	207.7	245.7	220.3	223.8	207.7
25°	376.1	372.6	368.0	268.8	287.3	230.7	257.3	226.1	263.0	285.0	298.8
27.5°	364.6	357.6	353.0	356.5	288.4	302.3	255.0	281.5	303.4	312.6	348.4
30°	512.2	503.0	489.2	373.8	358.8	309.2	308.0	348.4	384.2	413.0	432.6
32.5°	653.0	655.3	583.8	501.8	396.9	413.0	366.9	408.4	419.9	449.9	461.5
35°	837.6	814.5	769.5	626.4	483.4	467.2	426.9	466.1	477.6	506.5	513.4
37.5°	982.9	984.1	914.9	753.3	579.1	565.3	494.9	535.3	556.1	588.4	576.8
40°	1122.5	1128.3	1072.9	883.7	700.3	662.2	576.8	624.1	653.0	672.6	653.0
42.5°	1247.1	1246.0	1207.9	1027.9	813.3	791.4	663.4	724.5	749.9	768.3	753.3
45°	1345.2	1341.7	1307.1	1145.6	947.2	977.2	776.4	839.9	866.4	887.2	850.2
47.5°	1378.6	1360.2	1345.2	1231.0	1071.8	1141.0	916.0	951.8	982.9	1018.7	958.7
50°	1342.9	1318.6	1324.4	1271.3	1176.7	1278.3	1066.0	1081.0	1119.1	1150.2	1061.4
52.5°	1194.0	1188.3	1220.6	1231.0	1221.7	1383.2	1234.4	1191.7	1266.7	1270.2	1167.5
55°	997.9	991.0	1067.1	1109.8	1179.0	1424.8	1377.5	1347.5	1395.9	1390.2	1262.1
57.5°	804.1	799.5	868.7	939.1	1059.1	1401.7	1477.8	1518.2	1542.4	1510.1	1349.8
60°	538.8	548.0	666.8	761.4	866.4	1263.3	1515.9	1677.4	1689.0	1619.7	1442.1
62.5°	343.8	356.5	432.6	587.2	647.2	1025.6	1488.2	1819.3	1812.4	1719.0	1527.4
65°	220.3	225.0	261.9	398.0	463.8	679.5	1364.8	1916.2	1917.4	1807.8	1595.5
67.5°	154.6	155.7	173.0	248.0	320.7	386.5	1109.8	1888.5	1940.5	1837.8	1617.4
70°	138.4	139.6	144.2	168.4	243.4	240.0	672.6	1687.8	1855.1	1798.6	1584.0
72.5°	123.4	124.6	132.7	146.5	186.9	188.0	321.9	1344.0	1603.6	1659.0	1484.8
75°	102.7	105.0	114.2	137.3	144.2	158.1	215.7	944.8	1262.1	1429.4	1367.1
77.5°	86.5	87.7	94.6	116.5	125.7	128.1	184.6	523.8	872.2	1052.1	1204.4
80°	69.2	69.2	75.0	92.3	103.8	105.0	165.0	276.9	483.4	636.8	837.6
82.5°	45.0	46.1	53.1	69.2	77.3	103.8	146.5	201.9	236.5	306.9	380.7
85°	28.8	28.8	33.5	39.2	46.1	79.6	129.2	167.3	176.5	192.7	173.0
87.5°	13.8	13.8	12.7	15.0	17.3	30.0	90.0	118.8	120.0	117.7	126.9
90°	11.5	11.5	9.2	10.4	11.5	16.2	68.1	116.5	115.4	120.0	131.5
92.5°	12.7	12.7	9.2	10.4	11.5	13.8	49.6	117.7	121.1	126.9	139.6
95°	13.8	13.8	9.2	9.2	10.4	12.7	31.1	101.5	122.3	128.1	144.2
97.5°	12.7	12.7	6.9	8.1	9.2	11.5	19.6	76.1	95.8	100.4	114.2
100°	11.5	11.5	5.8	6.9	8.1	9.2	12.7	39.2	41.5	31.1	43.8
102.5°	10.4	11.5	4.6	5.8	5.8	5.8	8.1	18.5	18.5	10.4	11.5
105°	10.4	11.5	4.6	4.6	3.5	4.6	4.6	6.9	8.1	5.8	9.2
107.5°	11.5	11.5	4.6	4.6	3.5	3.5	3.5	4.6	5.8	4.6	9.2
110°	10.4	10.4	3.5	4.6	2.3	2.3	2.3	3.5	4.6	4.6	10.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.9	6.9	3.5	4.6	2.3	2.3	2.3	3.5	4.6	5.8	12.7
115°	5.8	4.6	2.3	3.5	2.3	2.3	2.3	3.5	3.5	4.6	10.4
117.5°	5.8	4.6	2.3	2.3	1.2	2.3	2.3	3.5	3.5	4.6	9.2
120°	5.8	5.8	2.3	1.2	1.2	1.2	1.2	2.3	3.5	5.8	10.4
122.5°	6.9	5.8	2.3	2.3	1.2	1.2	1.2	2.3	3.5	5.8	10.4
125°	6.9	6.9	3.5	2.3	1.2	1.2	1.2	2.3	3.5	4.6	9.2
127.5°	6.9	5.8	3.5	2.3	1.2	1.2	1.2	1.2	2.3	3.5	8.1
130°	5.8	5.8	3.5	1.2	1.2	1.2	1.2	1.2	2.3	2.3	5.8
132.5°	4.6	4.6	3.5	1.2	1.2	1.2	1.2	1.2	1.2	2.3	4.6
135°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
137.5°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
150°	2.3	2.3	4.6	3.5	2.3	1.2	2.3	1.2	1.2	1.2	1.2
152.5°	3.5	3.5	4.6	3.5	1.2	1.2	1.2	2.3	1.2	1.2	1.2
155°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	2.3	3.5
157.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1	391.1
2.5°	387.6	387.6	391.1	392.2	391.1	389.9	383.0	362.2	349.6	350.7	350.7
5°	381.9	383.0	386.5	365.7	340.3	342.6	346.1	347.3	347.3	349.6	349.6
7.5°	336.9	338.0	328.8	332.3	340.3	346.1	348.4	342.6	324.2	317.3	317.3
10°	291.9	291.9	259.6	260.7	270.0	287.3	341.5	347.3	353.0	354.2	353.0
12.5°	246.9	248.0	221.5	255.0	243.4	274.6	314.9	348.4	321.9	295.3	298.8
15°	275.7	278.0	249.2	219.2	225.0	271.1	235.3	323.0	325.3	325.3	325.3
17.5°	221.5	234.2	220.3	226.1	249.2	204.2	266.5	295.3	271.1	264.2	264.2
20°	275.7	275.7	251.5	218.0	230.7	265.3	236.5	263.0	309.2	309.2	308.0
22.5°	205.4	205.4	220.3	252.7	231.9	261.9	250.3	272.3	245.7	245.7	252.7
25°	296.5	293.0	267.6	223.8	264.2	242.3	251.5	237.7	278.0	281.5	279.2
27.5°	357.6	355.3	287.3	257.3	248.0	258.4	226.1	221.5	213.4	245.7	242.3
30°	423.4	417.6	376.1	310.3	272.3	218.0	204.2	212.3	235.3	236.5	235.3
32.5°	454.5	441.9	395.7	371.5	278.0	225.0	183.4	189.2	234.2	248.0	248.0
35°	497.2	483.4	431.5	404.9	276.9	198.4	162.7	183.4	211.1	212.3	212.3
37.5°	556.1	535.3	491.5	424.5	258.4	175.4	150.0	162.7	182.3	188.0	190.4
40°	624.1	597.6	558.4	437.2	231.9	147.7	133.8	150.0	165.0	160.4	160.4
42.5°	719.9	680.7	624.1	456.8	198.4	130.4	122.3	137.3	147.7	150.0	148.8
45°	809.9	761.4	701.4	463.8	161.5	117.7	114.2	130.4	140.7	137.3	137.3
47.5°	911.4	850.2	759.1	447.6	132.7	110.8	114.2	125.7	130.4	136.1	136.1
50°	1011.8	946.0	843.3	422.2	117.7	106.1	114.2	121.1	130.4	133.8	132.7
52.5°	1102.9	1045.2	894.1	377.2	109.6	102.7	110.8	121.1	132.7	138.4	138.4
55°	1202.1	1143.3	940.2	336.9	102.7	95.8	114.2	125.7	129.2	132.7	132.7
57.5°	1277.1	1231.0	991.0	301.1	98.1	95.8	116.5	131.5	130.4	133.8	133.8
60°	1368.2	1327.9	1037.1	283.8	91.1	91.1	121.1	141.9	132.7	143.1	143.1
62.5°	1465.1	1440.9	1082.1	271.1	84.2	88.8	122.3	150.0	137.3	153.4	154.6
65°	1558.6	1563.2	1123.7	241.1	78.4	88.8	124.6	160.4	141.9	162.7	165.0
67.5°	1605.9	1644.0	1135.2	193.8	72.7	87.7	131.5	168.4	148.8	171.9	173.0
70°	1596.7	1646.3	1108.7	143.1	68.1	92.3	141.9	175.4	152.3	183.4	183.4
72.5°	1515.9	1551.7	1030.2	108.4	63.5	88.8	144.2	177.7	154.6	201.9	201.9
75°	1401.7	1364.8	847.9	90.0	60.0	88.8	140.7	175.4	152.3	197.3	196.1
77.5°	1216.0	1092.5	584.9	79.6	56.5	85.4	131.5	170.7	145.4	183.4	185.7
80°	779.9	672.6	298.8	69.2	60.0	81.9	126.9	158.1	135.0	163.8	165.0
82.5°	355.3	298.8	136.1	61.1	58.8	73.8	115.4	140.7	117.7	139.6	138.4
85°	150.0	152.3	107.3	51.9	51.9	57.7	85.4	109.6	91.1	98.1	95.8
87.5°	116.5	111.9	73.8	31.1	33.5	25.4	55.4	78.4	60.0	63.5	62.3
90°	123.4	121.1	78.4	32.3	24.2	15.0	41.5	61.1	45.0	40.4	39.2
92.5°	131.5	130.4	87.7	34.6	24.2	12.7	35.8	49.6	32.3	27.7	26.5
95°	140.7	140.7	95.8	36.9	24.2	12.7	32.3	38.1	24.2	18.5	17.3
97.5°	111.9	114.2	81.9	38.1	23.1	12.7	28.8	31.1	18.5	10.4	10.4
100°	45.0	49.6	45.0	38.1	20.8	10.4	23.1	24.2	12.7	5.8	5.8
102.5°	10.4	12.7	31.1	33.5	16.2	6.9	15.0	15.0	8.1	3.5	3.5
105°	10.4	9.2	20.8	26.5	9.2	4.6	6.9	9.2	4.6	2.3	2.3
107.5°	10.4	10.4	9.2	12.7	4.6	3.5	3.5	3.5	2.3	2.3	2.3
110°	11.5	10.4	4.6	4.6	3.5	3.5	2.3	2.3	1.2	6.9	8.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.8	12.7	5.8	4.6	3.5	3.5	2.3	2.3	3.5	11.5	11.5
115°	11.5	10.4	5.8	3.5	3.5	3.5	2.3	1.2	3.5	12.7	12.7
117.5°	10.4	9.2	5.8	3.5	2.3	3.5	2.3	1.2	3.5	12.7	12.7
120°	11.5	10.4	5.8	3.5	2.3	2.3	2.3	1.2	3.5	11.5	11.5
122.5°	11.5	11.5	6.9	2.3	2.3	1.2	2.3	1.2	3.5	10.4	10.4
125°	10.4	9.2	5.8	2.3	1.2	1.2	1.2	1.2	4.6	9.2	10.4
127.5°	9.2	8.1	4.6	2.3	1.2	1.2	1.2	1.2	3.5	6.9	8.1
130°	6.9	6.9	3.5	2.3	1.2	1.2	1.2	1.2	3.5	6.9	5.8
132.5°	4.6	4.6	3.5	2.3	1.2	1.2	1.2	1.2	3.5	4.6	4.6
135°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	2.3	1.2	1.2	2.3	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	3.5	3.5	2.3
155°	3.5	3.5	2.3	1.2	1.2	1.2	1.2	1.2	2.3	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	1.2	0.0
160°	0.0	0.0	1.2	1.2	1.2	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)