

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: P560336

Luminaire Tested: **SDL-PA1-40-727-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560336
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-PA1-40-727-U-T2R-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA 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: 3399.6 lumens
Efficiency: N/A
Efficacy: 86.3 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 - G1

Input Watts (W): 39.4
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



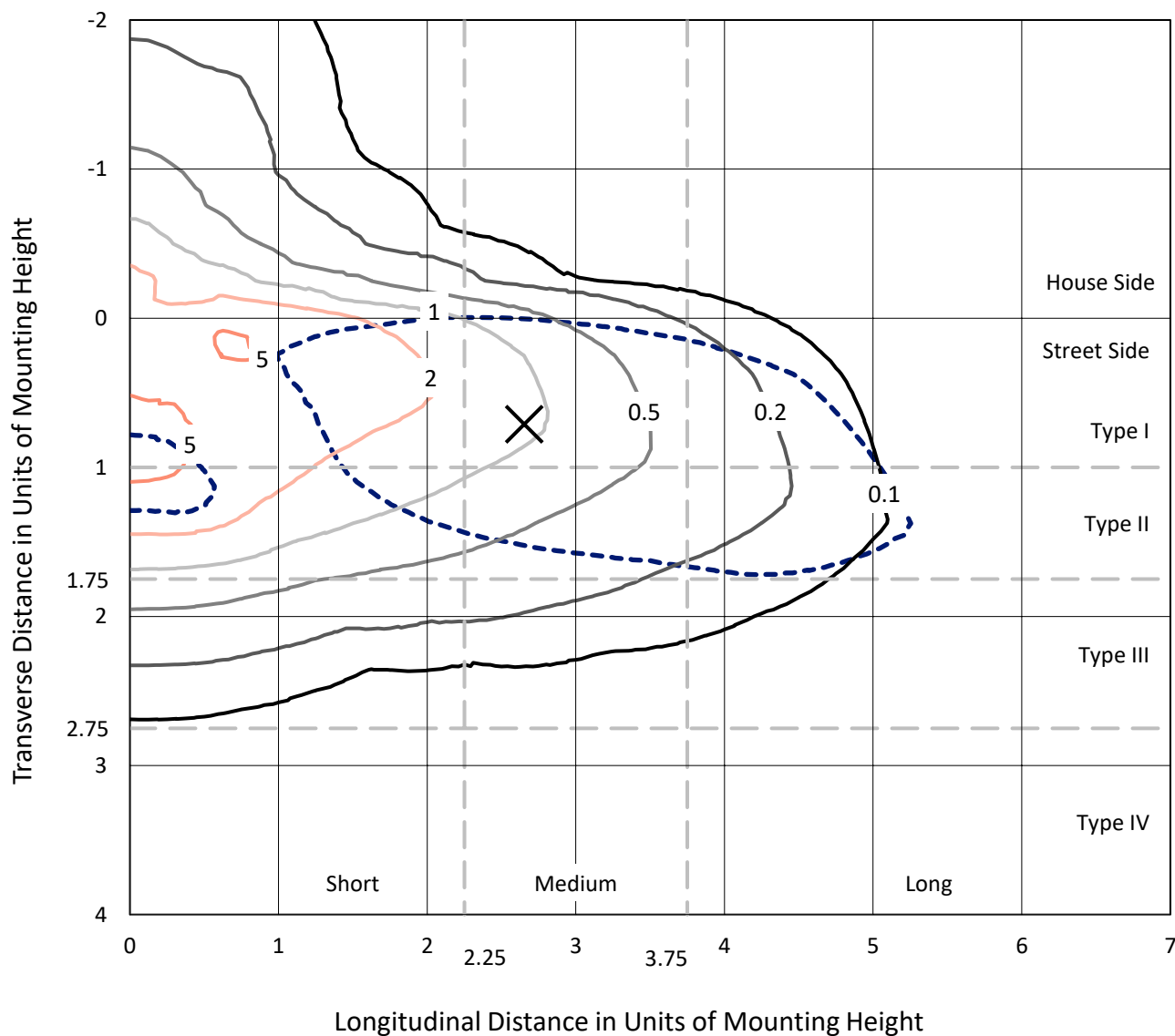
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

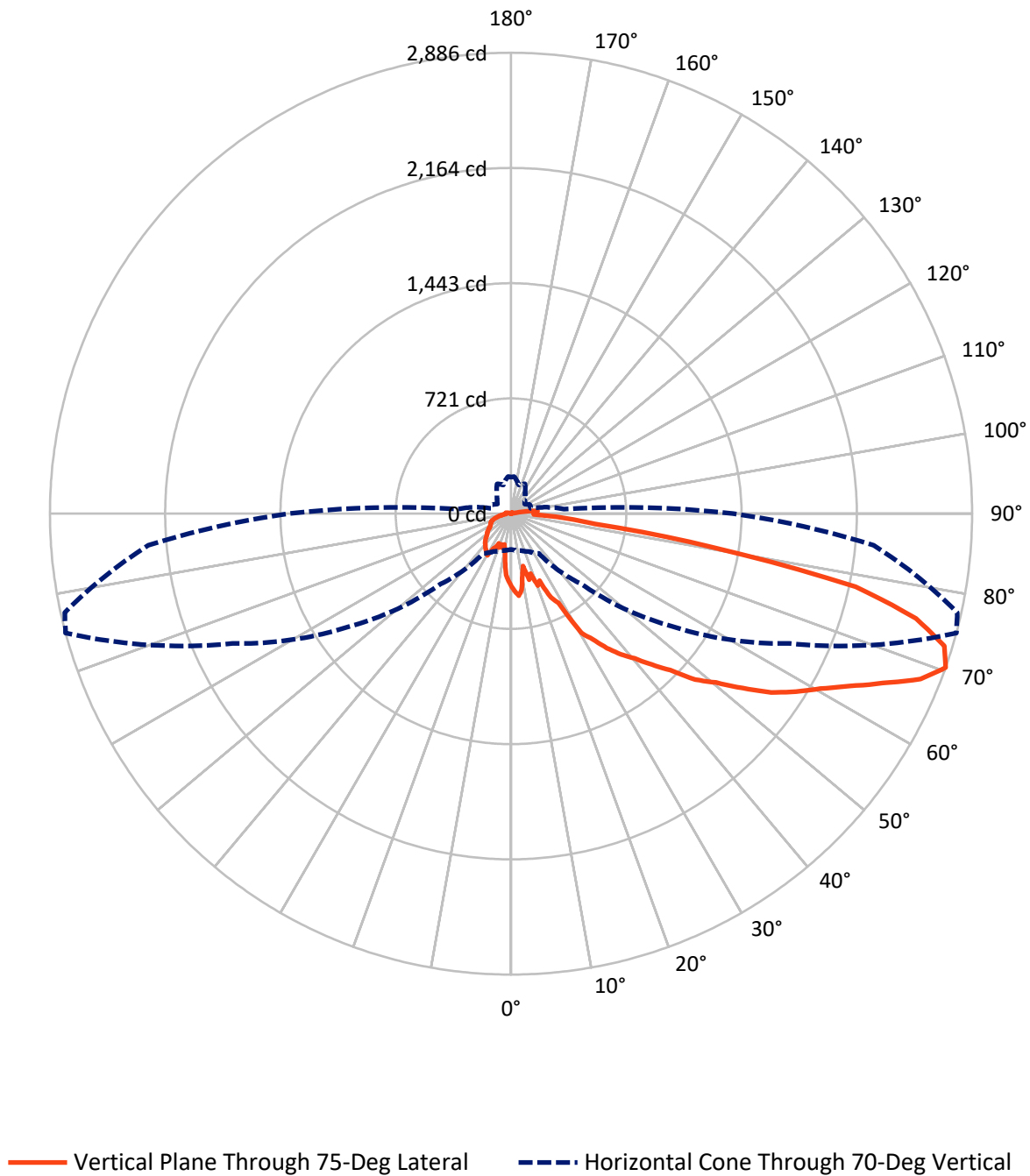


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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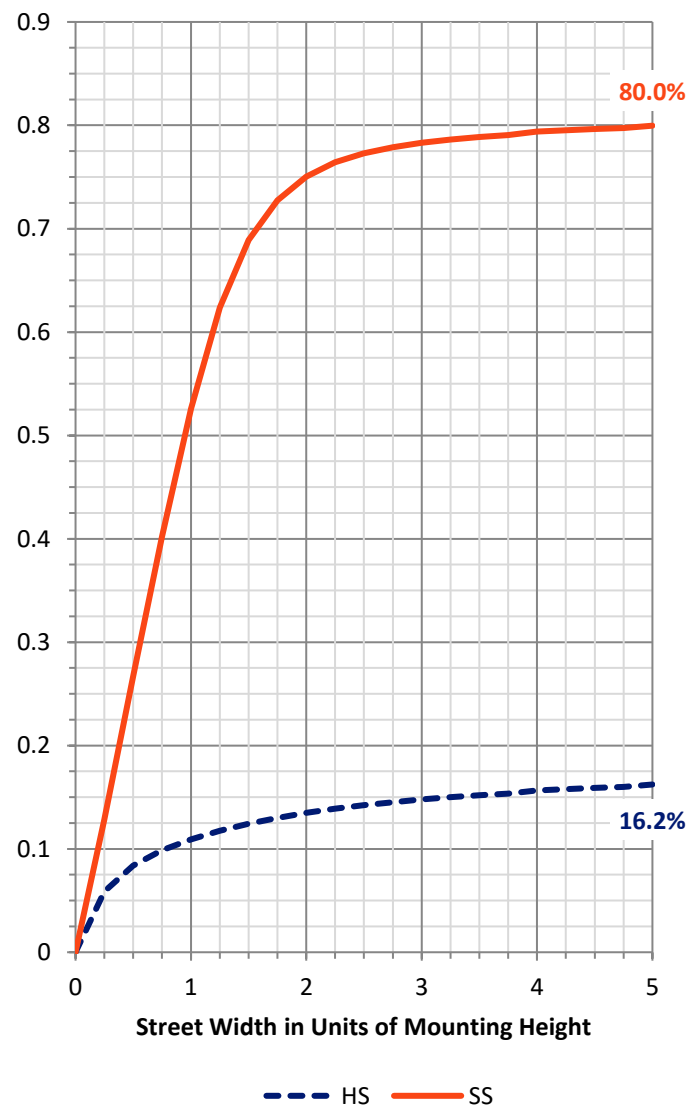
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.2	34.8	615.9
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2739.7	44.0	2783.6
	% Fixture	80.6	1.3	81.9
Total	Lumens	3320.8	78.7	3399.6
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	1.1
10°-20°	99.2	2.9
20°-30°	179.0	5.3
30°-40°	365.8	10.8
40°-50°	574.4	16.9
50°-60°	705.4	20.7
60°-70°	701.5	20.6
70°-80°	518.9	15.3
80°-90°	138.6	4.1
90°-100°	51.3	1.5
100°-110°	12.0	0.4
110°-120°	5.7	0.2
120°-130°	5.1	0.1
130°-140°	2.5	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3320.8	97.7
0°-180°	3399.6	100.0

Coefficient of Utilization



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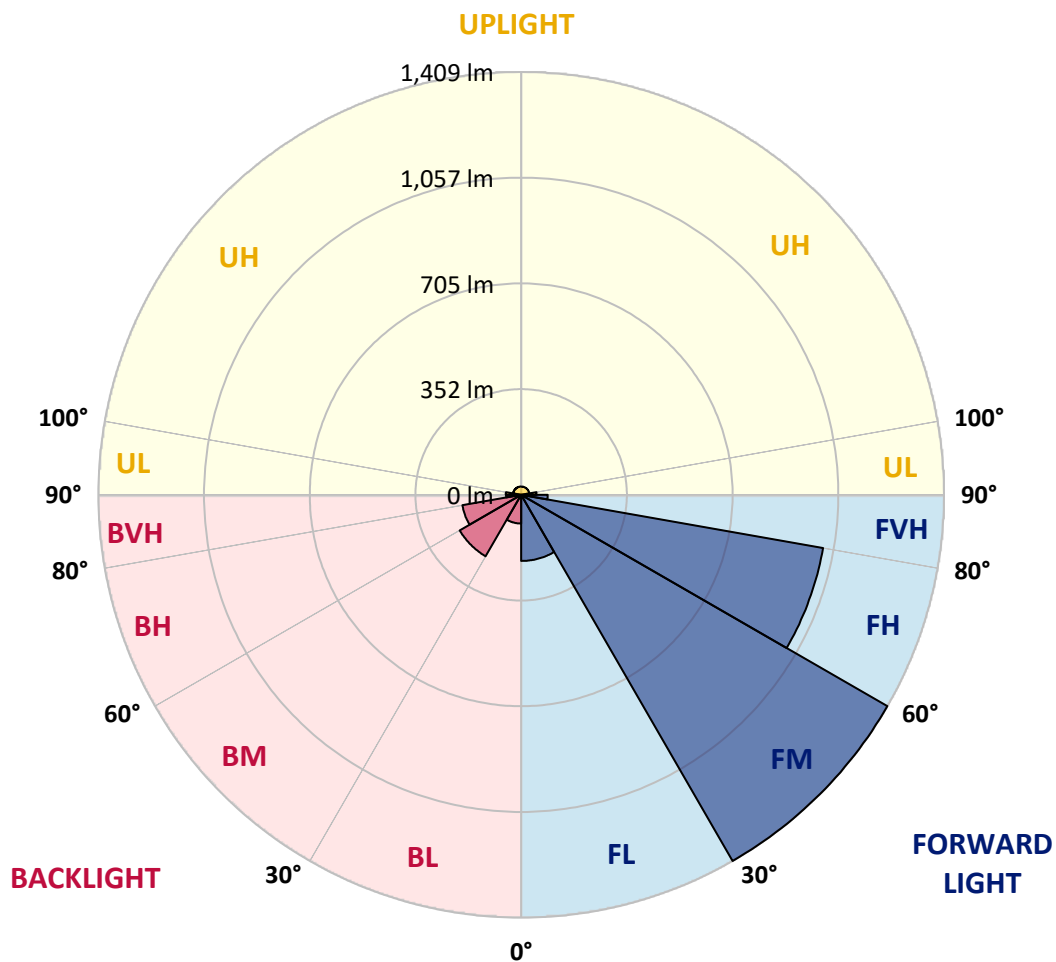
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.3	6.5			
FM	(30°-60°)	1409.2	41.5			
FH	(60°-80°)	1021.7	30.1			G1/1800
FVH	(80°-90°)	88.5	2.6			G1/100
BL	(0°-30°)	95.8	2.8	B0/110		
BM	(30°-60°)	236.5	7.0	B1/1000		
BH	(60°-80°)	198.8	5.8	B1/500		G1/500
BVH	(80°-90°)	50.1	1.5			G1/100
UL	(90°-100°)	51.3	1.5		U3/500	
UH	(100°-180°)	27.5	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7
2.5°	472.9	499.5	511.5	524.8	536.7	530.1	519.4	503.5	488.9	483.6	467.6
5°	522.1	519.4	518.1	514.1	507.5	495.5	480.9	538.0	515.5	506.2	479.6
7.5°	459.7	532.7	540.7	548.7	546.0	531.4	512.8	461.0	480.9	469.0	435.7
10°	561.9	561.9	559.3	561.9	531.4	507.5	434.4	403.9	389.2	421.1	390.6
12.5°	478.3	520.8	573.9	584.5	538.0	471.6	441.1	426.4	336.1	332.1	356.0
15°	556.6	563.3	564.6	567.3	458.3	494.2	407.8	378.6	429.1	417.1	421.1
17.5°	447.7	454.3	540.7	535.4	492.9	394.6	476.9	427.8	394.6	379.9	374.6
20°	563.3	564.6	560.6	453.0	475.6	515.5	446.4	433.1	480.9	479.6	459.7
22.5°	479.6	480.9	495.5	546.0	491.5	520.8	449.0	540.7	455.7	457.0	354.7
25°	641.7	643.0	629.7	486.2	552.7	488.9	544.7	486.2	581.9	563.3	519.4
27.5°	673.5	624.4	573.9	603.1	527.4	607.1	518.1	588.5	632.4	628.4	635.0
30°	854.2	856.9	822.3	660.3	617.7	599.1	597.8	698.8	866.2	872.8	762.6
32.5°	1157.1	1141.2	971.1	814.4	665.6	730.7	670.9	809.0	936.6	932.6	817.0
35°	1295.3	1279.3	1215.6	1005.7	769.2	789.1	757.2	860.9	1033.6	1003.0	871.5
37.5°	1412.2	1409.5	1356.4	1108.0	874.1	903.4	809.0	924.6	1117.3	1085.4	927.3
40°	1513.1	1503.8	1457.3	1199.6	981.8	983.1	874.1	1001.7	1191.7	1199.6	981.8
42.5°	1596.8	1588.9	1550.3	1291.3	1045.5	1053.5	943.2	1080.1	1291.3	1305.9	1066.8
45°	1631.4	1635.4	1608.8	1373.7	1102.6	1117.3	1025.6	1159.8	1397.6	1409.5	1142.5
47.5°	1656.6	1658.0	1651.3	1441.4	1163.8	1170.4	1106.6	1231.5	1551.7	1527.8	1231.5
50°	1599.5	1594.2	1600.8	1493.2	1216.9	1224.9	1174.4	1305.9	1661.9	1631.4	1324.5
52.5°	1449.4	1456.0	1525.1	1466.6	1234.2	1250.1	1238.1	1371.0	1814.7	1790.8	1457.3
55°	1072.1	1101.3	1300.6	1357.7	1232.8	1260.7	1296.6	1494.5	1975.5	1939.6	1570.3
57.5°	867.5	867.5	984.4	1171.7	1165.1	1254.1	1356.4	1578.2	2103.0	2077.8	1683.2
60°	696.1	696.1	759.9	929.9	1033.6	1220.9	1417.5	1701.8	2223.9	2209.3	1782.8
62.5°	546.0	544.7	597.8	693.5	847.6	1147.8	1449.4	1808.1	2375.3	2372.7	1942.2
65°	394.6	399.9	445.0	504.8	665.6	1011.0	1448.0	1903.7	2557.3	2565.3	2121.6
67.5°	292.3	294.9	320.2	364.0	457.0	838.3	1384.3	1970.1	2763.3	2750.0	2235.8
70°	224.5	228.5	239.1	261.7	304.2	623.1	1230.2	1923.6	2885.5	2860.2	2278.4
72.5°	188.6	190.0	188.6	200.6	203.3	422.5	985.7	1747.0	2835.0	2795.1	2161.4
75°	160.7	159.4	158.1	160.7	150.1	279.0	706.8	1478.6	2617.1	2548.0	1909.0
77.5°	138.2	136.8	131.5	132.8	119.6	205.9	482.2	1159.8	2205.3	2043.2	1434.8
80°	114.2	114.2	110.3	110.3	101.0	156.8	308.2	799.7	1284.6	1155.8	746.6
82.5°	89.0	87.7	87.7	90.3	86.4	122.2	201.9	398.5	530.1	496.9	349.4
85°	47.8	47.8	54.5	61.1	59.8	74.4	154.1	235.1	313.5	302.9	195.3
87.5°	14.6	14.6	15.9	19.9	21.3	39.9	97.0	114.2	142.1	156.8	154.1
90°	15.9	14.6	10.6	12.0	13.3	29.2	90.3	110.3	143.5	159.4	163.4
92.5°	18.6	17.3	10.6	10.6	13.3	23.9	86.4	107.6	156.8	172.7	176.7
95°	19.9	18.6	10.6	10.6	13.3	21.3	77.1	106.3	167.4	188.6	188.6
97.5°	18.6	17.3	8.0	9.3	12.0	18.6	59.8	87.7	116.9	128.9	148.8
100°	15.9	15.9	5.3	8.0	10.6	13.3	34.5	47.8	34.5	33.2	33.2
102.5°	14.6	14.6	5.3	6.6	8.0	9.3	15.9	25.2	8.0	9.3	12.0
105°	14.6	15.9	4.0	5.3	5.3	5.3	8.0	13.3	6.6	8.0	12.0
107.5°	14.6	15.9	4.0	4.0	5.3	4.0	4.0	5.3	6.6	8.0	13.3
110°	13.3	13.3	2.7	4.0	4.0	4.0	2.7	4.0	6.6	9.3	13.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	9.3	9.3	2.7	4.0	4.0	4.0	2.7	4.0	6.6	9.3	13.3
115°	6.6	5.3	2.7	4.0	2.7	4.0	2.7	4.0	6.6	9.3	12.0
117.5°	5.3	4.0	2.7	2.7	2.7	2.7	1.3	4.0	8.0	10.6	14.6
120°	5.3	5.3	2.7	2.7	2.7	2.7	1.3	4.0	12.0	13.3	18.6
122.5°	5.3	5.3	2.7	2.7	2.7	2.7	1.3	2.7	10.6	14.6	19.9
125°	5.3	5.3	2.7	2.7	2.7	2.7	1.3	2.7	9.3	13.3	17.3
127.5°	5.3	5.3	2.7	1.3	2.7	2.7	2.7	2.7	8.0	10.6	14.6
130°	5.3	5.3	2.7	1.3	2.7	2.7	2.7	2.7	6.6	8.0	12.0
132.5°	4.0	4.0	2.7	1.3	2.7	1.3	1.3	2.7	5.3	6.6	9.3
135°	2.7	2.7	2.7	1.3	2.7	1.3	1.3	1.3	2.7	4.0	6.6
137.5°	1.3	2.7	1.3	1.3	2.7	1.3	1.3	1.3	1.3	1.3	2.7
140°	1.3	1.3	1.3	1.3	2.7	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	2.7	2.7	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	4.0	2.7	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	5.3	4.0	2.7	1.3	1.3	1.3	1.3	1.3
150°	6.6	6.6	6.6	5.3	4.0	2.7	4.0	1.3	1.3	1.3	1.3
152.5°	6.6	6.6	8.0	4.0	2.7	1.3	1.3	5.3	4.0	2.7	2.7
155°	5.3	4.0	4.0	1.3	1.3	1.3	1.3	1.3	4.0	5.3	5.3
157.5°	1.3	1.3	2.7	1.3	1.3	1.3	1.3	1.3	2.7	1.3	1.3
160°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7	455.7
2.5°	458.3	447.7	422.5	403.9	381.3	361.3	344.1	305.6	298.9	294.9	293.6
5°	458.3	435.7	386.6	326.8	280.3	269.7	264.4	264.4	261.7	263.0	264.4
7.5°	406.5	376.0	301.6	255.1	263.0	263.0	264.4	257.7	236.5	239.1	235.1
10°	356.0	317.5	227.2	207.2	227.2	228.5	259.1	271.0	275.0	276.3	276.3
12.5°	328.1	273.7	196.6	203.3	183.3	209.9	247.1	276.3	251.1	237.8	237.8
15°	377.3	324.2	220.5	178.0	180.7	209.9	187.3	261.7	271.0	273.7	273.7
17.5°	338.8	285.6	201.9	183.3	201.9	172.7	211.2	240.5	229.8	217.9	216.5
20°	406.5	337.4	225.8	179.3	178.0	204.6	187.3	196.6	245.8	247.1	245.8
22.5°	316.2	269.7	200.6	203.3	178.0	195.3	184.7	203.3	194.0	192.6	194.0
25°	438.4	349.4	231.2	175.4	186.0	172.7	186.0	171.4	205.9	208.6	209.9
27.5°	536.7	417.1	245.8	190.0	162.1	176.7	166.1	171.4	159.4	166.1	168.7
30°	639.0	486.2	300.2	209.9	171.4	151.4	154.1	152.8	172.7	171.4	168.7
32.5°	672.2	495.5	287.0	219.2	170.0	152.8	140.8	150.1	164.7	176.7	178.0
35°	705.4	502.2	276.3	209.9	166.1	143.5	138.2	154.1	166.1	167.4	171.4
37.5°	744.0	507.5	265.7	196.6	154.1	140.8	136.8	143.5	170.0	167.4	163.4
40°	779.8	510.1	252.4	184.7	140.8	138.2	127.5	143.5	150.1	155.4	158.1
42.5°	843.6	526.1	241.8	174.0	131.5	131.5	122.2	134.2	154.1	156.8	155.4
45°	890.1	520.8	227.2	164.7	122.2	116.9	119.6	146.1	155.4	171.4	168.7
47.5°	956.5	534.1	209.9	150.1	114.2	107.6	112.9	142.1	159.4	171.4	174.0
50°	1021.6	531.4	195.3	138.2	108.9	102.3	124.9	138.2	156.8	176.7	176.7
52.5°	1106.6	535.4	188.6	127.5	102.3	102.3	128.9	139.5	160.7	174.0	174.0
55°	1182.4	520.8	172.7	123.5	101.0	98.3	130.2	144.8	162.1	174.0	175.4
57.5°	1238.1	491.5	160.7	119.6	99.6	101.0	130.2	156.8	151.4	174.0	178.0
60°	1299.3	459.7	150.1	119.6	99.6	105.0	134.2	166.1	166.1	182.0	182.0
62.5°	1383.0	439.7	144.8	120.9	97.0	108.9	146.1	180.7	167.4	192.6	194.0
65°	1453.4	413.2	140.8	126.2	98.3	114.2	152.8	192.6	175.4	204.6	203.3
67.5°	1454.7	373.3	135.5	131.5	99.6	118.2	152.8	200.6	184.7	215.2	211.2
70°	1390.9	333.5	127.5	131.5	103.6	122.2	152.8	205.9	186.0	232.5	228.5
72.5°	1254.1	272.3	115.6	126.2	110.3	127.5	160.7	204.6	186.0	251.1	247.1
75°	1066.8	217.9	99.6	115.6	110.3	134.2	166.1	203.3	179.3	239.1	231.2
77.5°	811.7	178.0	83.7	101.0	105.0	136.8	166.1	200.6	174.0	223.2	217.9
80°	418.5	124.9	67.8	86.4	98.3	134.2	164.7	190.0	155.4	197.9	195.3
82.5°	229.8	91.7	54.5	63.8	82.4	126.2	159.4	171.4	136.8	162.1	155.4
85°	148.8	66.4	43.8	51.8	69.1	105.0	134.2	135.5	97.0	116.9	110.3
87.5°	111.6	38.5	27.9	31.9	47.8	58.5	85.0	87.7	61.1	71.7	67.8
90°	116.9	38.5	29.2	33.2	42.5	43.8	62.4	66.4	47.8	54.5	54.5
92.5°	124.9	38.5	30.6	34.5	38.5	34.5	49.2	54.5	39.9	43.8	42.5
95°	127.5	37.2	33.2	35.9	34.5	27.9	39.9	43.8	33.2	33.2	33.2
97.5°	93.0	26.6	33.2	35.9	31.9	22.6	30.6	34.5	21.3	17.3	17.3
100°	25.2	13.3	31.9	34.5	27.9	18.6	26.6	26.6	13.3	9.3	9.3
102.5°	10.6	10.6	27.9	30.6	21.3	12.0	18.6	18.6	9.3	4.0	4.0
105°	10.6	8.0	19.9	22.6	14.6	6.6	9.3	10.6	6.6	4.0	4.0
107.5°	10.6	8.0	9.3	12.0	6.6	5.3	5.3	5.3	4.0	4.0	4.0
110°	12.0	8.0	5.3	6.6	5.3	4.0	4.0	4.0	4.0	5.3	6.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.3	9.3	5.3	6.6	5.3	4.0	4.0	4.0	5.3	12.0	12.0
115°	12.0	8.0	5.3	5.3	4.0	4.0	2.7	2.7	5.3	14.6	14.6
117.5°	13.3	9.3	5.3	5.3	4.0	2.7	2.7	2.7	6.6	17.3	17.3
120°	15.9	10.6	5.3	4.0	2.7	2.7	2.7	2.7	8.0	18.6	18.6
122.5°	17.3	12.0	5.3	4.0	2.7	1.3	2.7	4.0	9.3	18.6	18.6
125°	14.6	10.6	5.3	4.0	2.7	1.3	2.7	4.0	9.3	17.3	18.6
127.5°	13.3	9.3	5.3	2.7	2.7	1.3	1.3	4.0	8.0	13.3	15.9
130°	10.6	8.0	4.0	2.7	2.7	1.3	1.3	2.7	8.0	12.0	14.6
132.5°	9.3	6.6	4.0	2.7	2.7	1.3	1.3	2.7	8.0	10.6	10.6
135°	6.6	5.3	2.7	2.7	2.7	1.3	2.7	1.3	5.3	9.3	9.3
137.5°	4.0	2.7	2.7	2.7	2.7	1.3	1.3	1.3	4.0	5.3	5.3
140°	1.3	1.3	2.7	2.7	2.7	1.3	1.3	1.3	2.7	2.7	2.7
142.5°	1.3	1.3	2.7	2.7	2.7	1.3	1.3	1.3	2.7	2.7	2.7
145°	1.3	1.3	1.3	2.7	2.7	1.3	1.3	1.3	1.3	1.3	2.7
147.5°	1.3	1.3	1.3	2.7	1.3	1.3	1.3	1.3	1.3	1.3	2.7
150°	1.3	1.3	1.3	2.7	2.7	1.3	1.3	2.7	2.7	2.7	2.7
152.5°	1.3	1.3	2.7	2.7	1.3	1.3	1.3	2.7	2.7	2.7	2.7
155°	4.0	4.0	2.7	2.7	1.3	1.3	0.0	1.3	2.7	2.7	2.7
157.5°	1.3	1.3	2.7	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
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)