

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: P560098

Luminaire Tested: **SDL-PA1-20-827-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560098
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-PA1-20-827-U-T2U-A
Description: Springdale
(1) 80 CRI, 2700K, 260mA 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: 1925.2 lumens
Efficiency: N/A
Efficacy: 91.7 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): 21
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

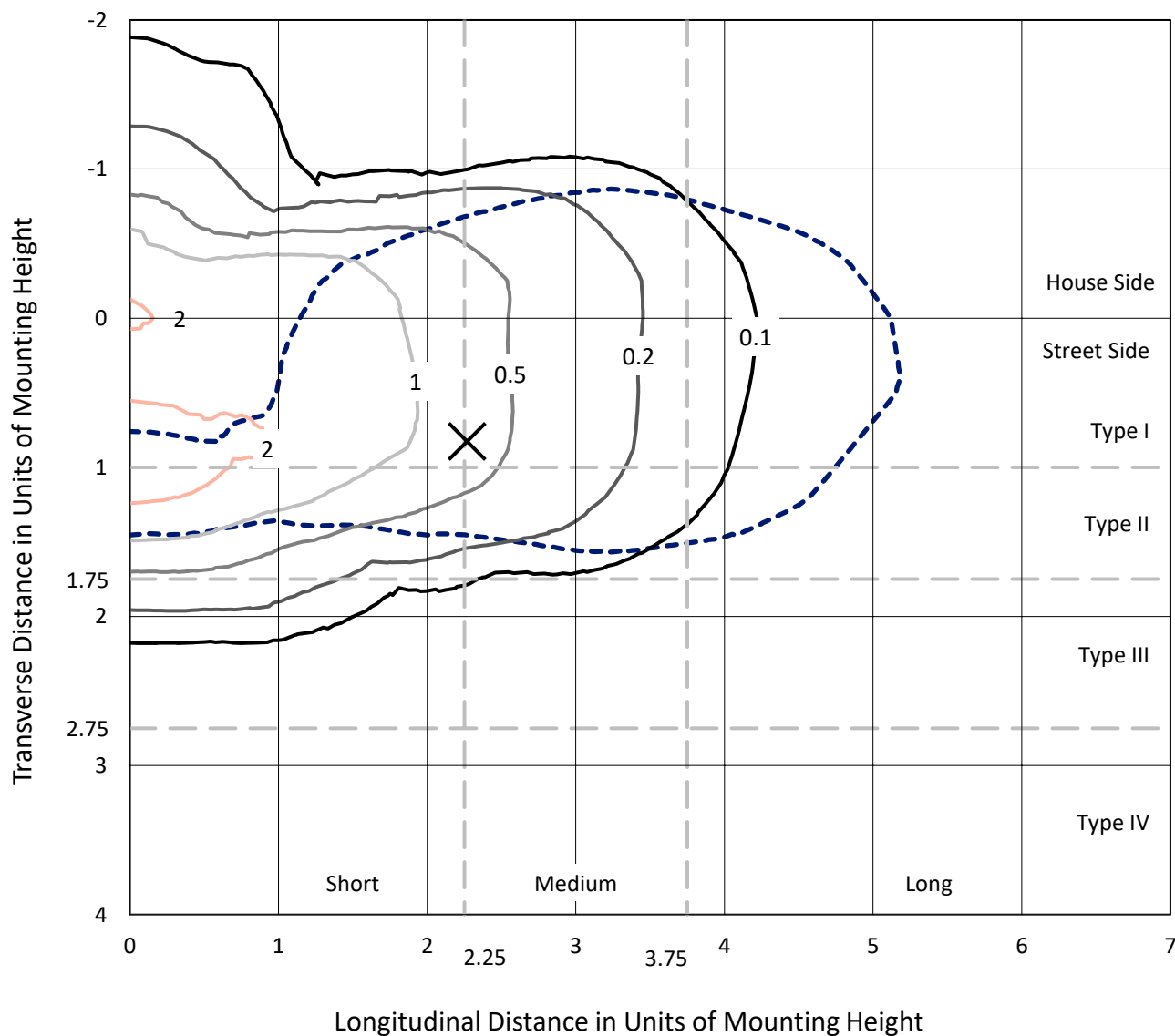


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

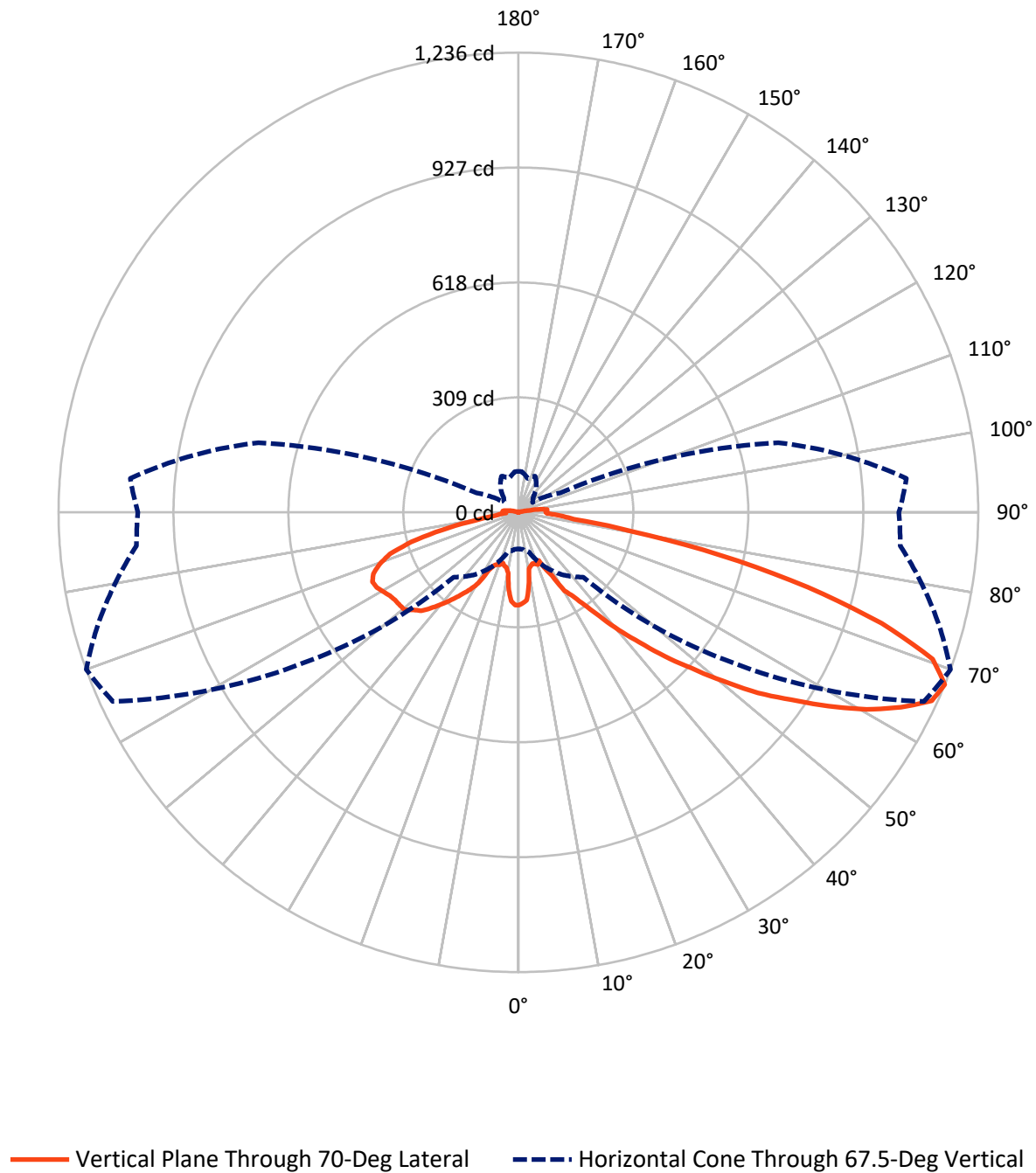


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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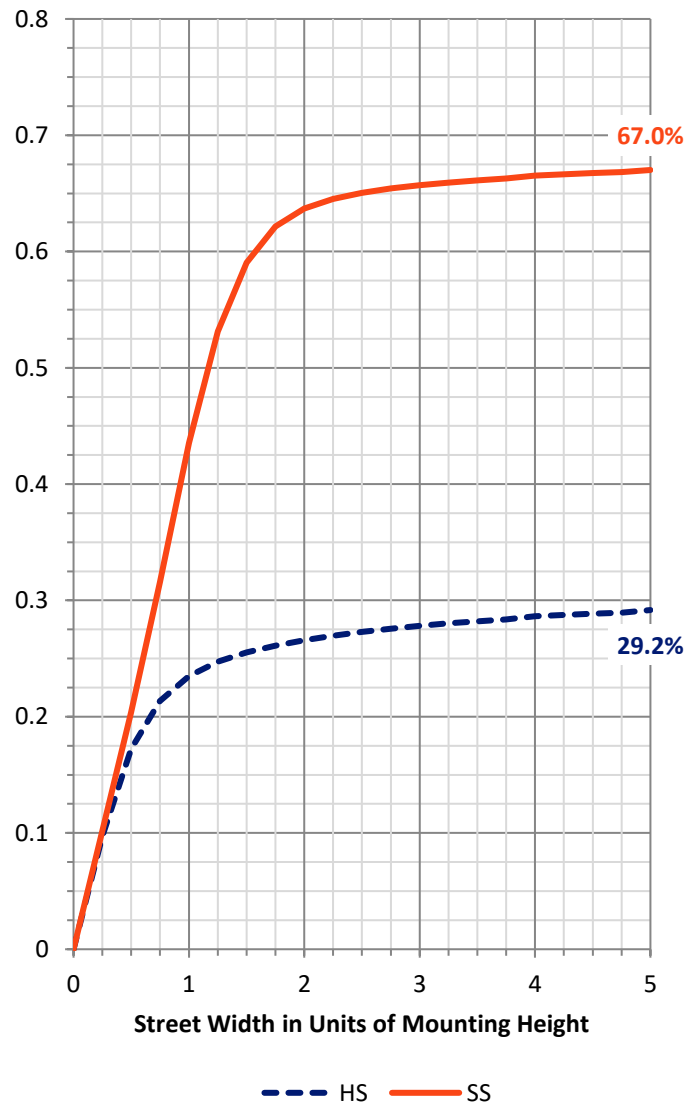
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.1	22.7	601.8
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1301.5	21.9	1323.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	1880.6	44.6	1925.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	1.0
10°-20°	46.2	2.4
20°-30°	81.9	4.3
30°-40°	172.7	9.0
40°-50°	322.8	16.8
50°-60°	447.1	23.2
60°-70°	431.1	22.4
70°-80°	283.4	14.7
80°-90°	75.5	3.9
90°-100°	31.0	1.6
100°-110°	6.8	0.4
110°-120°	2.9	0.2
120°-130°	2.1	0.1
130°-140°	0.9	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1880.6	97.7
0°-180°	1925.2	100.0

Coefficient of Utilization



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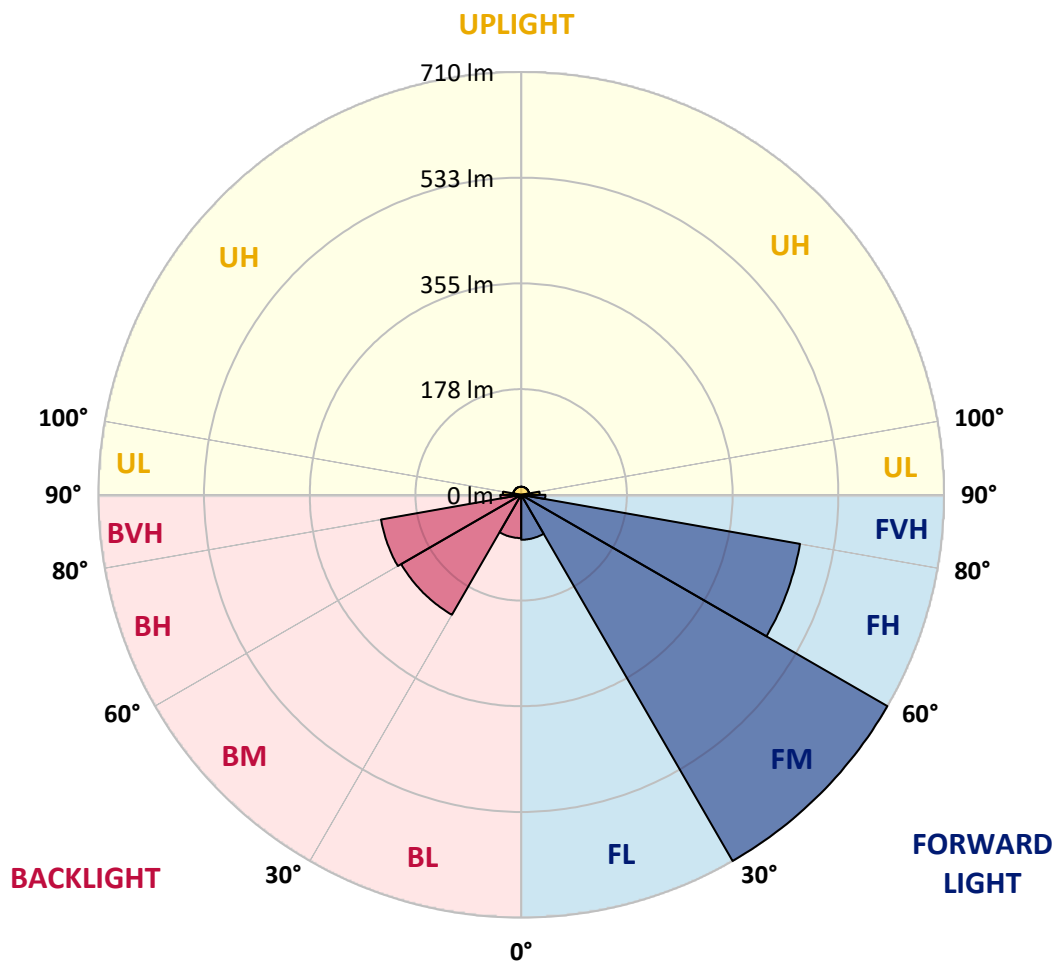
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.4	3.9			
FM	(30°-60°)	710.0	36.9			
FH	(60°-80°)	475.4	24.7			G0/660
FVH	(80°-90°)	40.6	2.1			G1/100
BL	(0°-30°)	72.6	3.8	B0/110		
BM	(30°-60°)	232.5	12.1	B1/1000		
BH	(60°-80°)	239.0	12.4	B1/500		G1/500
BVH	(80°-90°)	34.9	1.8			G1/100
UL	(90°-100°)	31.0	1.6		U2/50	
UH	(100°-180°)	13.6	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°	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
2.5°	208.0	224.9	219.8	235.9	239.6	243.3	244.0	244.8	244.0	244.8	246.2
5°	196.2	197.0	197.7	199.2	199.2	200.7	203.6	234.5	237.4	239.6	242.5
7.5°	163.9	171.3	185.2	190.4	192.6	195.5	197.0	197.0	199.9	207.3	212.4
10°	182.3	180.8	181.5	182.3	172.0	169.8	154.3	152.1	154.3	159.5	183.7
12.5°	152.9	160.2	175.7	179.3	166.8	147.7	145.5	148.5	147.7	133.0	155.8
15°	177.1	176.4	174.9	172.0	139.6	146.3	125.7	127.2	142.6	152.9	174.2
17.5°	154.3	153.6	174.2	168.3	147.0	113.9	143.3	133.0	145.5	134.5	144.1
20°	191.8	191.1	188.9	140.4	149.9	151.4	138.9	128.6	149.9	155.1	174.9
22.5°	174.2	174.2	188.2	184.5	152.1	160.2	132.3	156.6	140.4	142.6	132.3
25°	239.6	237.4	234.5	171.3	183.0	147.0	163.9	144.1	167.6	181.5	190.4
27.5°	232.3	227.8	224.9	227.1	183.7	192.6	162.4	179.3	193.3	199.2	222.0
30°	326.3	320.5	311.6	238.1	228.6	197.0	196.2	222.0	244.8	263.1	275.6
32.5°	416.0	417.5	371.9	319.7	252.8	263.1	233.7	260.2	267.5	286.6	294.0
35°	533.6	518.9	490.2	399.1	308.0	297.7	271.9	296.9	304.3	322.7	327.1
37.5°	626.2	627.0	582.9	480.0	369.0	360.1	315.3	341.0	354.3	374.8	367.5
40°	715.2	718.8	683.5	563.0	446.1	421.9	367.5	397.6	416.0	428.5	416.0
42.5°	794.5	793.8	769.5	654.9	518.2	504.2	422.6	461.6	477.7	489.5	480.0
45°	857.0	854.8	832.7	729.9	603.4	622.5	494.7	535.1	552.0	565.2	541.7
47.5°	878.3	866.6	857.0	784.2	682.8	726.9	583.6	606.4	626.2	649.0	610.8
50°	855.5	840.1	843.8	810.0	749.7	814.4	679.1	688.7	712.9	732.8	676.2
52.5°	760.7	757.0	777.6	784.2	778.4	881.3	786.4	759.3	807.0	809.2	743.8
55°	635.8	631.4	679.9	707.1	751.2	907.7	877.6	858.5	889.3	885.7	804.1
57.5°	512.3	509.4	553.5	598.3	674.7	893.0	941.5	967.3	982.7	962.1	859.9
60°	343.2	349.1	424.8	485.1	552.0	804.8	965.8	1068.7	1076.0	1031.9	918.7
62.5°	219.0	227.1	275.6	374.1	412.3	653.4	948.1	1159.1	1154.7	1095.1	973.1
65°	140.4	143.3	166.8	253.6	295.5	432.9	869.5	1220.8	1221.6	1151.7	1016.5
67.5°	98.5	99.2	110.2	158.0	204.3	246.2	707.1	1203.2	1236.3	1170.8	1030.5
70°	88.2	88.9	91.9	107.3	155.1	152.9	428.5	1075.3	1181.9	1145.9	1009.1
72.5°	78.6	79.4	84.5	93.3	119.1	119.8	205.1	856.3	1021.6	1056.9	945.9
75°	65.4	66.9	72.8	87.5	91.9	100.7	137.4	602.0	804.1	910.7	871.0
77.5°	55.1	55.9	60.3	74.2	80.1	81.6	117.6	333.7	555.7	670.3	767.3
80°	44.1	44.1	47.8	58.8	66.1	66.9	105.1	176.4	308.0	405.7	533.6
82.5°	28.7	29.4	33.8	44.1	49.2	66.1	93.3	128.6	150.7	195.5	242.5
85°	18.4	18.4	21.3	25.0	29.4	50.7	82.3	106.6	112.5	122.7	110.2
87.5°	8.8	8.8	8.1	9.6	11.0	19.1	57.3	75.7	76.4	75.0	80.8
90°	7.3	7.3	5.9	6.6	7.3	10.3	43.4	74.2	73.5	76.4	83.8
92.5°	8.1	8.1	5.9	6.6	7.3	8.8	31.6	75.0	77.2	80.8	88.9
95°	8.8	8.8	5.9	5.9	6.6	8.1	19.8	64.7	77.9	81.6	91.9
97.5°	8.1	8.1	4.4	5.1	5.9	7.3	12.5	48.5	61.0	63.9	72.8
100°	7.3	7.3	3.7	4.4	5.1	5.9	8.1	25.0	26.5	19.8	27.9
102.5°	6.6	7.3	2.9	3.7	3.7	3.7	5.1	11.8	11.8	6.6	7.3
105°	6.6	7.3	2.9	2.9	2.2	2.9	2.9	4.4	5.1	3.7	5.9
107.5°	7.3	7.3	2.9	2.9	2.2	2.2	2.2	2.9	3.7	2.9	5.9
110°	6.6	6.6	2.2	2.9	1.5	1.5	1.5	2.2	2.9	2.9	6.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.4	4.4	2.2	2.9	1.5	1.5	1.5	2.2	2.9	3.7	8.1
115°	3.7	2.9	1.5	2.2	1.5	1.5	1.5	2.2	2.2	2.9	6.6
117.5°	3.7	2.9	1.5	1.5	0.7	1.5	1.5	2.2	2.2	2.9	5.9
120°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	1.5	2.2	3.7	6.6
122.5°	4.4	3.7	1.5	1.5	0.7	0.7	0.7	1.5	2.2	3.7	6.6
125°	4.4	4.4	2.2	1.5	0.7	0.7	0.7	1.5	2.2	2.9	5.9
127.5°	4.4	3.7	2.2	1.5	0.7	0.7	0.7	0.7	1.5	2.2	5.1
130°	3.7	3.7	2.2	0.7	0.7	0.7	0.7	0.7	1.5	1.5	3.7
132.5°	2.9	2.9	2.2	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.9
135°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
137.5°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
140°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
150°	1.5	1.5	2.9	2.2	1.5	0.7	1.5	0.7	0.7	0.7	0.7
152.5°	2.2	2.2	2.9	2.2	0.7	0.7	0.7	1.5	0.7	0.7	0.7
155°	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.2
157.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	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°	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2	249.2
2.5°	247.0	247.0	249.2	249.9	249.2	248.4	244.0	230.8	222.7	223.4	223.4
5°	243.3	244.0	246.2	233.0	216.8	218.3	220.5	221.2	221.2	222.7	222.7
7.5°	214.6	215.4	209.5	211.7	216.8	220.5	222.0	218.3	206.5	202.1	202.1
10°	186.0	186.0	165.4	166.1	172.0	183.0	217.6	221.2	224.9	225.6	224.9
12.5°	157.3	158.0	141.1	162.4	155.1	174.9	200.7	222.0	205.1	188.2	190.4
15°	175.7	177.1	158.8	139.6	143.3	172.7	149.9	205.8	207.3	207.3	207.3
17.5°	141.1	149.2	140.4	144.1	158.8	130.1	169.8	188.2	172.7	168.3	168.3
20°	175.7	175.7	160.2	138.9	147.0	169.0	150.7	167.6	197.0	197.0	196.2
22.5°	130.8	130.8	140.4	161.0	147.7	166.8	159.5	173.5	156.6	156.6	161.0
25°	188.9	186.7	170.5	142.6	168.3	154.3	160.2	151.4	177.1	179.3	177.9
27.5°	227.8	226.4	183.0	163.9	158.0	164.6	144.1	141.1	136.0	156.6	154.3
30°	269.7	266.1	239.6	197.7	173.5	138.9	130.1	135.2	149.9	150.7	149.9
32.5°	289.6	281.5	252.1	236.7	177.1	143.3	116.9	120.5	149.2	158.0	158.0
35°	316.8	308.0	274.9	258.0	176.4	126.4	103.6	116.9	134.5	135.2	135.2
37.5°	354.3	341.0	313.1	270.5	164.6	111.7	95.5	103.6	116.1	119.8	121.3
40°	397.6	380.7	355.7	278.6	147.7	94.1	85.3	95.5	105.1	102.2	102.2
42.5°	458.6	433.6	397.6	291.1	126.4	83.1	77.9	87.5	94.1	95.5	94.8
45°	516.0	485.1	446.9	295.5	102.9	75.0	72.8	83.1	89.7	87.5	87.5
47.5°	580.6	541.7	483.6	285.2	84.5	70.6	72.8	80.1	83.1	86.7	86.7
50°	644.6	602.7	537.3	269.0	75.0	67.6	72.8	77.2	83.1	85.3	84.5
52.5°	702.7	665.9	569.6	240.3	69.8	65.4	70.6	77.2	84.5	88.2	88.2
55°	765.9	728.4	599.0	214.6	65.4	61.0	72.8	80.1	82.3	84.5	84.5
57.5°	813.6	784.2	631.4	191.8	62.5	61.0	74.2	83.8	83.1	85.3	85.3
60°	871.7	846.0	660.8	180.8	58.1	58.1	77.2	90.4	84.5	91.1	91.1
62.5°	933.4	918.0	689.4	172.7	53.7	56.6	77.9	95.5	87.5	97.8	98.5
65°	993.0	995.9	715.9	153.6	50.0	56.6	79.4	102.2	90.4	103.6	105.1
67.5°	1023.1	1047.4	723.2	123.5	46.3	55.9	83.8	107.3	94.8	109.5	110.2
70°	1017.2	1048.8	706.3	91.1	43.4	58.8	90.4	111.7	97.0	116.9	116.9
72.5°	965.8	988.6	656.4	69.1	40.4	56.6	91.9	113.2	98.5	128.6	128.6
75°	893.0	869.5	540.2	57.3	38.2	56.6	89.7	111.7	97.0	125.7	124.9
77.5°	774.7	696.0	372.6	50.7	36.0	54.4	83.8	108.8	92.6	116.9	118.3
80°	496.9	428.5	190.4	44.1	38.2	52.2	80.8	100.7	86.0	104.4	105.1
82.5°	226.4	190.4	86.7	39.0	37.5	47.0	73.5	89.7	75.0	88.9	88.2
85°	95.5	97.0	68.4	33.1	33.1	36.7	54.4	69.8	58.1	62.5	61.0
87.5°	74.2	71.3	47.0	19.8	21.3	16.2	35.3	50.0	38.2	40.4	39.7
90°	78.6	77.2	50.0	20.6	15.4	9.6	26.5	39.0	28.7	25.7	25.0
92.5°	83.8	83.1	55.9	22.0	15.4	8.1	22.8	31.6	20.6	17.6	16.9
95°	89.7	89.7	61.0	23.5	15.4	8.1	20.6	24.3	15.4	11.8	11.0
97.5°	71.3	72.8	52.2	24.3	14.7	8.1	18.4	19.8	11.8	6.6	6.6
100°	28.7	31.6	28.7	24.3	13.2	6.6	14.7	15.4	8.1	3.7	3.7
102.5°	6.6	8.1	19.8	21.3	10.3	4.4	9.6	9.6	5.1	2.2	2.2
105°	6.6	5.9	13.2	16.9	5.9	2.9	4.4	5.9	2.9	1.5	1.5
107.5°	6.6	6.6	5.9	8.1	2.9	2.2	2.2	2.2	1.5	1.5	1.5
110°	7.3	6.6	2.9	2.9	2.2	2.2	1.5	1.5	0.7	4.4	5.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.1	3.7	2.9	2.2	2.2	1.5	1.5	2.2	7.3	7.3
115°	7.3	6.6	3.7	2.2	2.2	2.2	1.5	0.7	2.2	8.1	8.1
117.5°	6.6	5.9	3.7	2.2	1.5	2.2	1.5	0.7	2.2	8.1	8.1
120°	7.3	6.6	3.7	2.2	1.5	1.5	1.5	0.7	2.2	7.3	7.3
122.5°	7.3	7.3	4.4	1.5	1.5	0.7	1.5	0.7	2.2	6.6	6.6
125°	6.6	5.9	3.7	1.5	0.7	0.7	0.7	0.7	2.9	5.9	6.6
127.5°	5.9	5.1	2.9	1.5	0.7	0.7	0.7	0.7	2.2	4.4	5.1
130°	4.4	4.4	2.2	1.5	0.7	0.7	0.7	0.7	2.2	4.4	3.7
132.5°	2.9	2.9	2.2	1.5	0.7	0.7	0.7	0.7	2.2	2.9	2.9
135°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.2
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	1.5	0.7	0.7	1.5	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	1.5	0.7	0.7	0.7	0.7	2.2	2.2	1.5
155°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	1.5	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.0	0.7	0.0
160°	0.0	0.0	0.7	0.7	0.7	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)