

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: P559988

Luminaire Tested: **SDL-PA1-20-727-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559988
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-PA1-20-727-U-T2U-A
Description: Springdale
(1) 70 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: 2190.3 lumens
Efficiency: N/A
Efficacy: 104.3 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 - 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

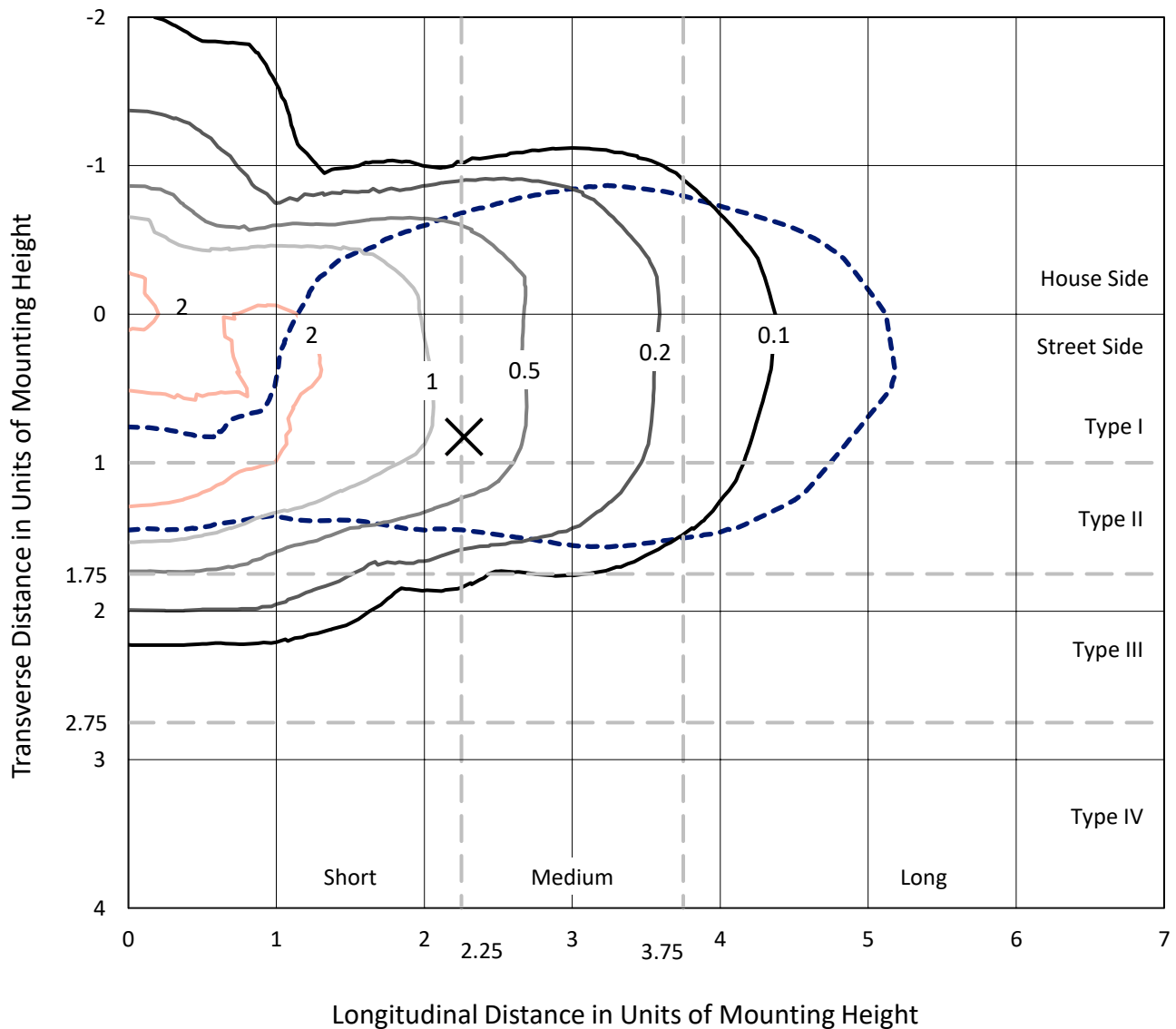


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

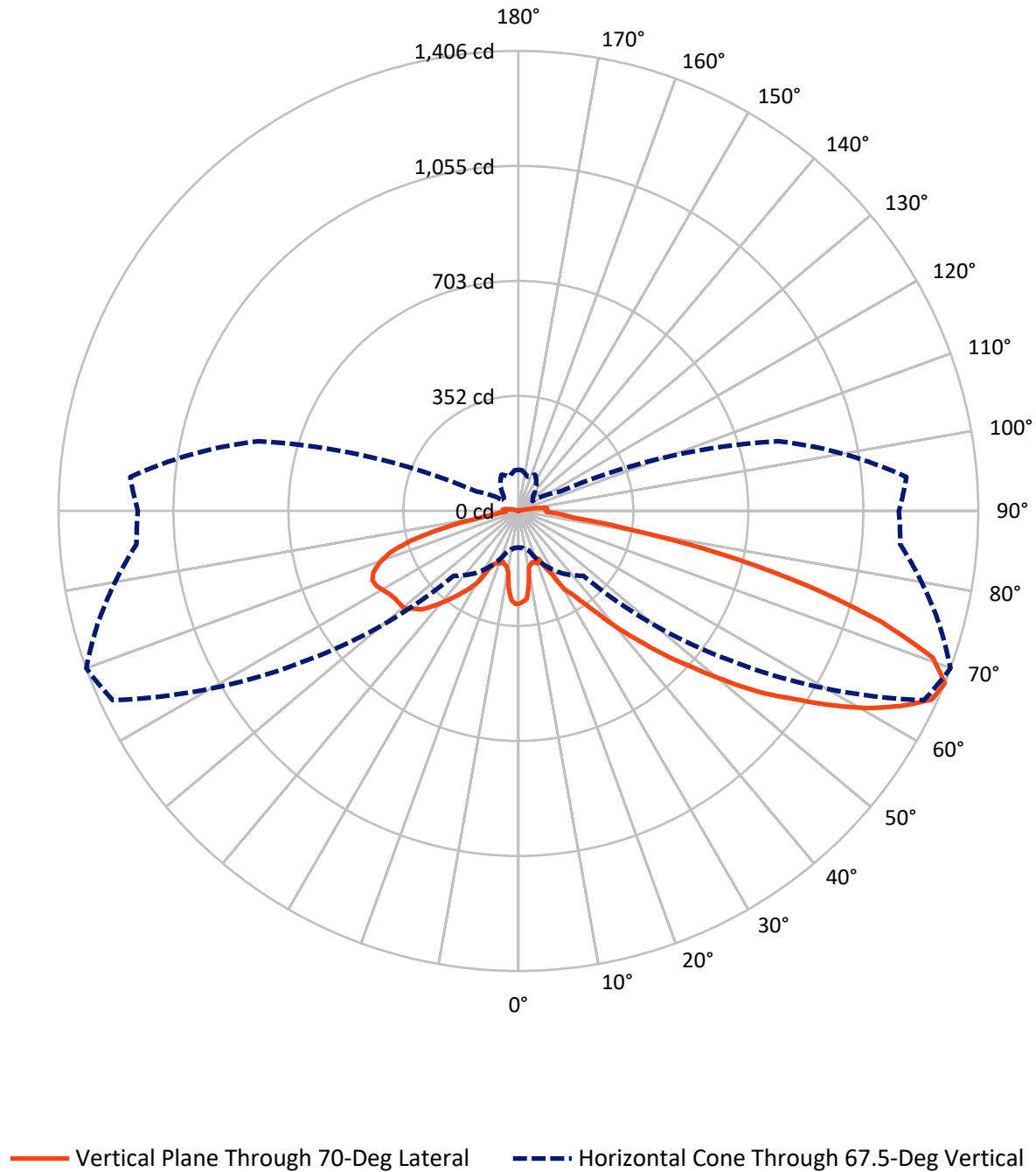


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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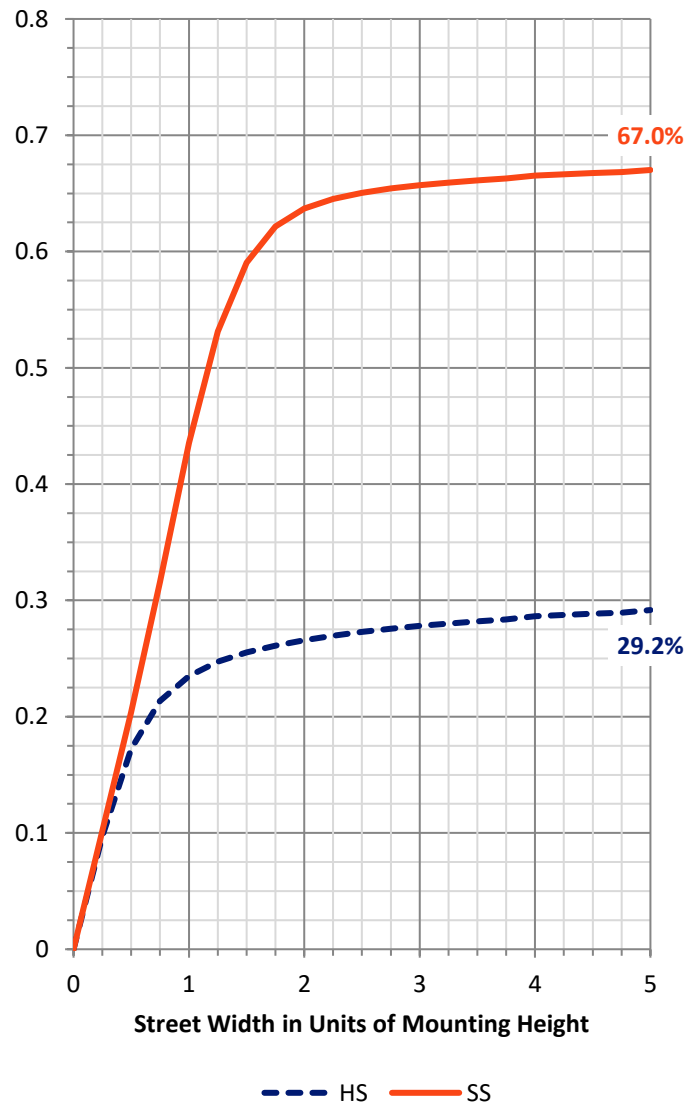
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.8	25.8	684.6
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1480.7	24.9	1505.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	2139.5	50.8	2190.3
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	1.0
10°-20°	52.5	2.4
20°-30°	93.2	4.3
30°-40°	196.4	9.0
40°-50°	367.2	16.8
50°-60°	508.6	23.2
60°-70°	490.4	22.4
70°-80°	322.4	14.7
80°-90°	85.9	3.9
90°-100°	35.2	1.6
100°-110°	7.7	0.4
110°-120°	3.3	0.2
120°-130°	2.4	0.1
130°-140°	1.1	0.0
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2139.5	97.7
0°-180°	2190.3	100.0

Coefficient of Utilization



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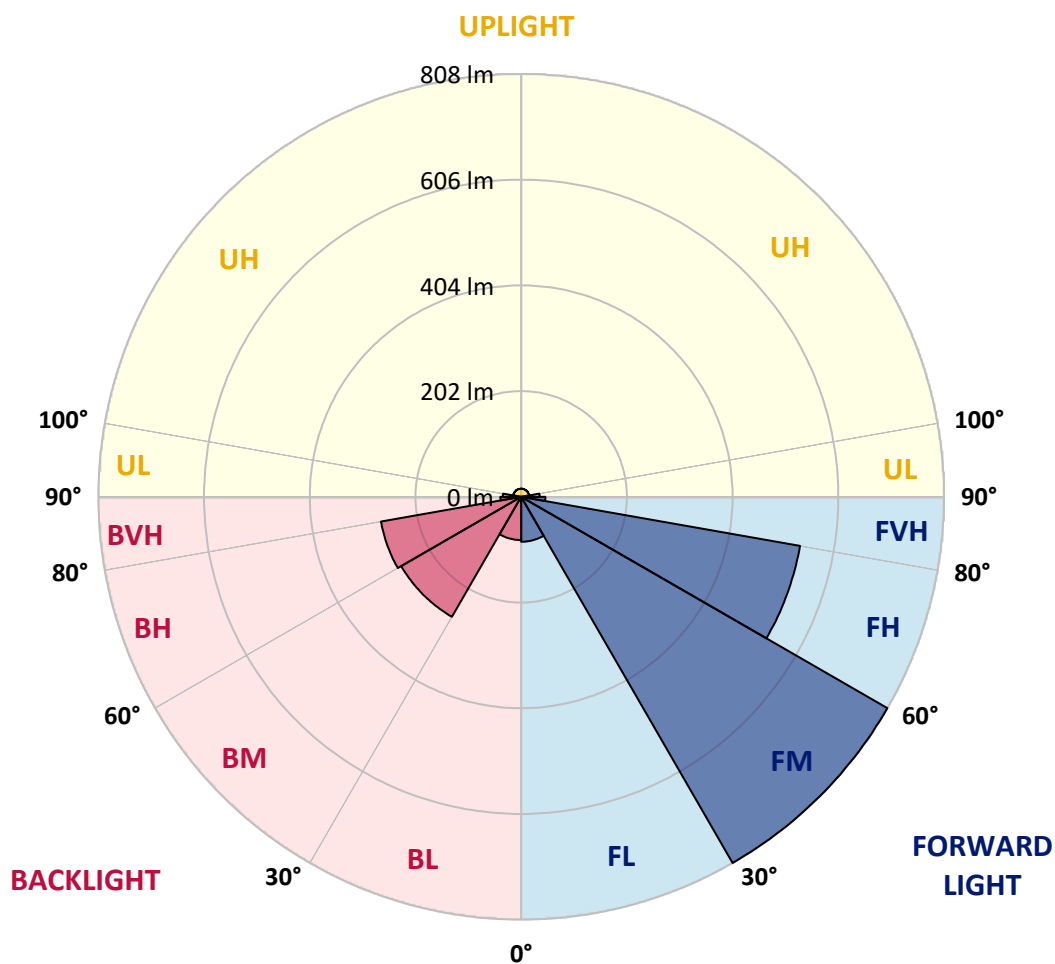
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.8	3.9			
FM	(30°-60°)	807.8	36.9			
FH	(60°-80°)	540.9	24.7			G0/660
FVH	(80°-90°)	46.2	2.1			G1/100
BL	(0°-30°)	82.6	3.8	B0/110		
BM	(30°-60°)	264.5	12.1	B1/1000		
BH	(60°-80°)	272.0	12.4	B1/500		G1/500
BVH	(80°-90°)	39.7	1.8			G1/100
UL	(90°-100°)	35.2	1.6		U2/50	
UH	(100°-180°)	15.5	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°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	236.6	255.9	250.0	268.4	272.6	276.8	277.6	278.4	277.6	278.4	280.1
5°	223.3	224.1	224.9	226.6	226.6	228.3	231.6	266.7	270.1	272.6	275.9
7.5°	186.5	194.8	210.7	216.6	219.1	222.4	224.1	224.1	227.4	235.8	241.7
10°	207.4	205.7	206.5	207.4	195.7	193.2	175.6	173.1	175.6	181.4	209.0
12.5°	173.9	182.3	199.8	204.0	189.8	168.1	165.6	168.9	168.1	151.3	177.3
15°	201.5	200.7	199.0	195.7	158.9	166.4	143.0	144.7	162.2	173.9	198.2
17.5°	175.6	174.8	198.2	191.5	167.2	129.6	163.1	151.3	165.6	153.0	163.9
20°	218.2	217.4	214.9	159.7	170.6	172.3	158.0	146.3	170.6	176.4	199.0
22.5°	198.2	198.2	214.1	209.9	173.1	182.3	150.5	178.1	159.7	162.2	150.5
25°	272.6	270.1	266.7	194.8	208.2	167.2	186.5	163.9	190.6	206.5	216.6
27.5°	264.2	259.2	255.9	258.4	209.0	219.1	184.8	204.0	219.9	226.6	252.5
30°	371.3	364.6	354.5	270.9	260.0	224.1	223.3	252.5	278.4	299.3	313.6
32.5°	473.3	474.9	423.1	363.7	287.6	299.3	265.9	296.0	304.4	326.1	334.5
35°	607.1	590.3	557.7	454.0	350.4	338.6	309.4	337.8	346.2	367.1	372.1
37.5°	712.4	713.3	663.1	546.0	419.8	409.7	358.7	388.0	403.0	426.4	418.1
40°	813.6	817.8	777.6	640.5	507.6	480.0	418.1	452.4	473.3	487.5	473.3
42.5°	903.9	903.1	875.5	745.0	589.5	573.6	480.8	525.1	543.5	556.9	546.0
45°	975.0	972.5	947.4	830.3	686.5	708.2	562.7	608.7	628.0	643.0	616.3
47.5°	999.2	985.8	975.0	892.2	776.8	827.0	663.9	689.8	712.4	738.3	694.9
50°	973.3	955.7	959.9	921.5	852.9	926.5	772.6	783.5	811.1	833.7	769.3
52.5°	865.4	861.3	884.7	892.2	885.5	1002.6	894.7	863.8	918.1	920.6	846.2
55°	723.3	718.3	773.5	804.4	854.6	1032.7	998.4	976.6	1011.8	1007.6	914.8
57.5°	582.8	579.5	629.6	680.6	767.6	1015.9	1071.1	1100.4	1118.0	1094.5	978.3
60°	390.5	397.2	483.3	551.9	628.0	915.6	1098.7	1215.8	1224.2	1174.0	1045.2
62.5°	249.2	258.4	313.6	425.6	469.1	743.4	1078.7	1318.6	1313.6	1245.9	1107.1
65°	159.7	163.1	189.8	288.5	336.1	492.5	989.2	1388.9	1389.7	1310.3	1156.4
67.5°	112.0	112.9	125.4	179.8	232.5	280.1	804.4	1368.8	1406.4	1332.0	1172.3
70°	100.3	101.2	104.5	122.1	176.4	173.9	487.5	1223.3	1344.6	1303.6	1148.1
72.5°	89.5	90.3	96.2	106.2	135.5	136.3	233.3	974.1	1162.3	1202.4	1076.1
75°	74.4	76.1	82.8	99.5	104.5	114.6	156.4	684.8	914.8	1036.0	990.9
77.5°	62.7	63.5	68.6	84.5	91.1	92.8	133.8	379.6	632.1	762.6	873.0
80°	50.2	50.2	54.4	66.9	75.3	76.1	119.6	200.7	350.4	461.6	607.1
82.5°	32.6	33.4	38.5	50.2	56.0	75.3	106.2	146.3	171.4	222.4	275.9
85°	20.9	20.9	24.2	28.4	33.4	57.7	93.7	121.2	127.9	139.6	125.4
87.5°	10.0	10.0	9.2	10.9	12.5	21.7	65.2	86.1	87.0	85.3	92.0
90°	8.4	8.4	6.7	7.5	8.4	11.7	49.3	84.5	83.6	87.0	95.3
92.5°	9.2	9.2	6.7	7.5	8.4	10.0	36.0	85.3	87.8	92.0	101.2
95°	10.0	10.0	6.7	6.7	7.5	9.2	22.6	73.6	88.6	92.8	104.5
97.5°	9.2	9.2	5.0	5.9	6.7	8.4	14.2	55.2	69.4	72.7	82.8
100°	8.4	8.4	4.2	5.0	5.9	6.7	9.2	28.4	30.1	22.6	31.8
102.5°	7.5	8.4	3.3	4.2	4.2	4.2	5.9	13.4	13.4	7.5	8.4
105°	7.5	8.4	3.3	3.3	2.5	3.3	3.3	5.0	5.9	4.2	6.7
107.5°	8.4	8.4	3.3	3.3	2.5	2.5	2.5	3.3	4.2	3.3	6.7
110°	7.5	7.5	2.5	3.3	1.7	1.7	1.7	2.5	3.3	3.3	7.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.0	5.0	2.5	3.3	1.7	1.7	1.7	2.5	3.3	4.2	9.2
115°	4.2	3.3	1.7	2.5	1.7	1.7	1.7	2.5	2.5	3.3	7.5
117.5°	4.2	3.3	1.7	1.7	0.8	1.7	1.7	2.5	2.5	3.3	6.7
120°	4.2	4.2	1.7	0.8	0.8	0.8	0.8	1.7	2.5	4.2	7.5
122.5°	5.0	4.2	1.7	1.7	0.8	0.8	0.8	1.7	2.5	4.2	7.5
125°	5.0	5.0	2.5	1.7	0.8	0.8	0.8	1.7	2.5	3.3	6.7
127.5°	5.0	4.2	2.5	1.7	0.8	0.8	0.8	0.8	1.7	2.5	5.9
130°	4.2	4.2	2.5	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2
132.5°	3.3	3.3	2.5	0.8	0.8	0.8	0.8	0.8	0.8	1.7	3.3
135°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.5
137.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
150°	1.7	1.7	3.3	2.5	1.7	0.8	1.7	0.8	0.8	0.8	0.8
152.5°	2.5	2.5	3.3	2.5	0.8	0.8	0.8	1.7	0.8	0.8	0.8
155°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5
157.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	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°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5
2.5°	281.0	281.0	283.5	284.3	283.5	282.6	277.6	262.6	253.4	254.2	254.2
5°	276.8	277.6	280.1	265.1	246.7	248.3	250.9	251.7	251.7	253.4	253.4
7.5°	244.2	245.0	238.3	240.8	246.7	250.9	252.5	248.3	235.0	229.9	229.9
10°	211.6	211.6	188.1	189.0	195.7	208.2	247.5	251.7	255.9	256.7	255.9
12.5°	178.9	179.8	160.5	184.8	176.4	199.0	228.3	252.5	233.3	214.1	216.6
15°	199.8	201.5	180.6	158.9	163.1	196.5	170.6	234.1	235.8	235.8	235.8
17.5°	160.5	169.7	159.7	163.9	180.6	148.0	193.2	214.1	196.5	191.5	191.5
20°	199.8	199.8	182.3	158.0	167.2	192.3	171.4	190.6	224.1	224.1	223.3
22.5°	148.8	148.8	159.7	183.1	168.1	189.8	181.4	197.3	178.1	178.1	183.1
25°	214.9	212.4	194.0	162.2	191.5	175.6	182.3	172.3	201.5	204.0	202.4
27.5°	259.2	257.5	208.2	186.5	179.8	187.3	163.9	160.5	154.7	178.1	175.6
30°	306.9	302.7	272.6	224.9	197.3	158.0	148.0	153.9	170.6	171.4	170.6
32.5°	329.5	320.3	286.8	269.2	201.5	163.1	133.0	137.1	169.7	179.8	179.8
35°	360.4	350.4	312.7	293.5	200.7	143.8	117.9	133.0	153.0	153.9	153.9
37.5°	403.0	388.0	356.2	307.7	187.3	127.1	108.7	117.9	132.1	136.3	138.0
40°	452.4	433.1	404.7	316.9	168.1	107.0	97.0	108.7	119.6	116.2	116.2
42.5°	521.8	493.3	452.4	331.1	143.8	94.5	88.6	99.5	107.0	108.7	107.9
45°	587.0	551.9	508.4	336.1	117.1	85.3	82.8	94.5	102.0	99.5	99.5
47.5°	660.6	616.3	550.2	324.4	96.2	80.3	82.8	91.1	94.5	98.7	98.7
50°	733.3	685.7	611.2	306.0	85.3	76.9	82.8	87.8	94.5	97.0	96.2
52.5°	799.4	757.6	648.0	273.4	79.4	74.4	80.3	87.8	96.2	100.3	100.3
55°	871.3	828.6	681.5	244.2	74.4	69.4	82.8	91.1	93.7	96.2	96.2
57.5°	925.6	892.2	718.3	218.2	71.1	69.4	84.5	95.3	94.5	97.0	97.0
60°	991.7	962.4	751.7	205.7	66.1	66.1	87.8	102.8	96.2	103.7	103.7
62.5°	1061.9	1044.4	784.3	196.5	61.0	64.4	88.6	108.7	99.5	111.2	112.0
65°	1129.7	1133.0	814.4	174.8	56.9	64.4	90.3	116.2	102.8	117.9	119.6
67.5°	1163.9	1191.5	822.8	140.5	52.7	63.5	95.3	122.1	107.9	124.6	125.4
70°	1157.3	1193.2	803.6	103.7	49.3	66.9	102.8	127.1	110.4	133.0	133.0
72.5°	1098.7	1124.6	746.7	78.6	46.0	64.4	104.5	128.8	112.0	146.3	146.3
75°	1015.9	989.2	614.6	65.2	43.5	64.4	102.0	127.1	110.4	143.0	142.1
77.5°	881.3	791.9	423.9	57.7	41.0	61.9	95.3	123.8	105.4	133.0	134.6
80°	565.3	487.5	216.6	50.2	43.5	59.4	92.0	114.6	97.8	118.7	119.6
82.5°	257.5	216.6	98.7	44.3	42.6	53.5	83.6	102.0	85.3	101.2	100.3
85°	108.7	110.4	77.8	37.6	37.6	41.8	61.9	79.4	66.1	71.1	69.4
87.5°	84.5	81.1	53.5	22.6	24.2	18.4	40.1	56.9	43.5	46.0	45.2
90°	89.5	87.8	56.9	23.4	17.6	10.9	30.1	44.3	32.6	29.3	28.4
92.5°	95.3	94.5	63.5	25.1	17.6	9.2	25.9	36.0	23.4	20.1	19.2
95°	102.0	102.0	69.4	26.8	17.6	9.2	23.4	27.6	17.6	13.4	12.5
97.5°	81.1	82.8	59.4	27.6	16.7	9.2	20.9	22.6	13.4	7.5	7.5
100°	32.6	36.0	32.6	27.6	15.1	7.5	16.7	17.6	9.2	4.2	4.2
102.5°	7.5	9.2	22.6	24.2	11.7	5.0	10.9	10.9	5.9	2.5	2.5
105°	7.5	6.7	15.1	19.2	6.7	3.3	5.0	6.7	3.3	1.7	1.7
107.5°	7.5	7.5	6.7	9.2	3.3	2.5	2.5	2.5	1.7	1.7	1.7
110°	8.4	7.5	3.3	3.3	2.5	2.5	1.7	1.7	0.8	5.0	5.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.0	9.2	4.2	3.3	2.5	2.5	1.7	1.7	2.5	8.4	8.4
115°	8.4	7.5	4.2	2.5	2.5	2.5	1.7	0.8	2.5	9.2	9.2
117.5°	7.5	6.7	4.2	2.5	1.7	2.5	1.7	0.8	2.5	9.2	9.2
120°	8.4	7.5	4.2	2.5	1.7	1.7	1.7	0.8	2.5	8.4	8.4
122.5°	8.4	8.4	5.0	1.7	1.7	0.8	1.7	0.8	2.5	7.5	7.5
125°	7.5	6.7	4.2	1.7	0.8	0.8	0.8	0.8	3.3	6.7	7.5
127.5°	6.7	5.9	3.3	1.7	0.8	0.8	0.8	0.8	2.5	5.0	5.9
130°	5.0	5.0	2.5	1.7	0.8	0.8	0.8	0.8	2.5	5.0	4.2
132.5°	3.3	3.3	2.5	1.7	0.8	0.8	0.8	0.8	2.5	3.3	3.3
135°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	1.7	0.8	0.8	1.7	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	2.5	2.5	1.7
155°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	1.7	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.8	0.0
160°	0.0	0.0	0.8	0.8	0.8	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)