

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: P559992

Luminaire Tested: **SDL-PA1-20-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2157.6 lumens
Efficiency: N/A
Efficacy: 102.7 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 - 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

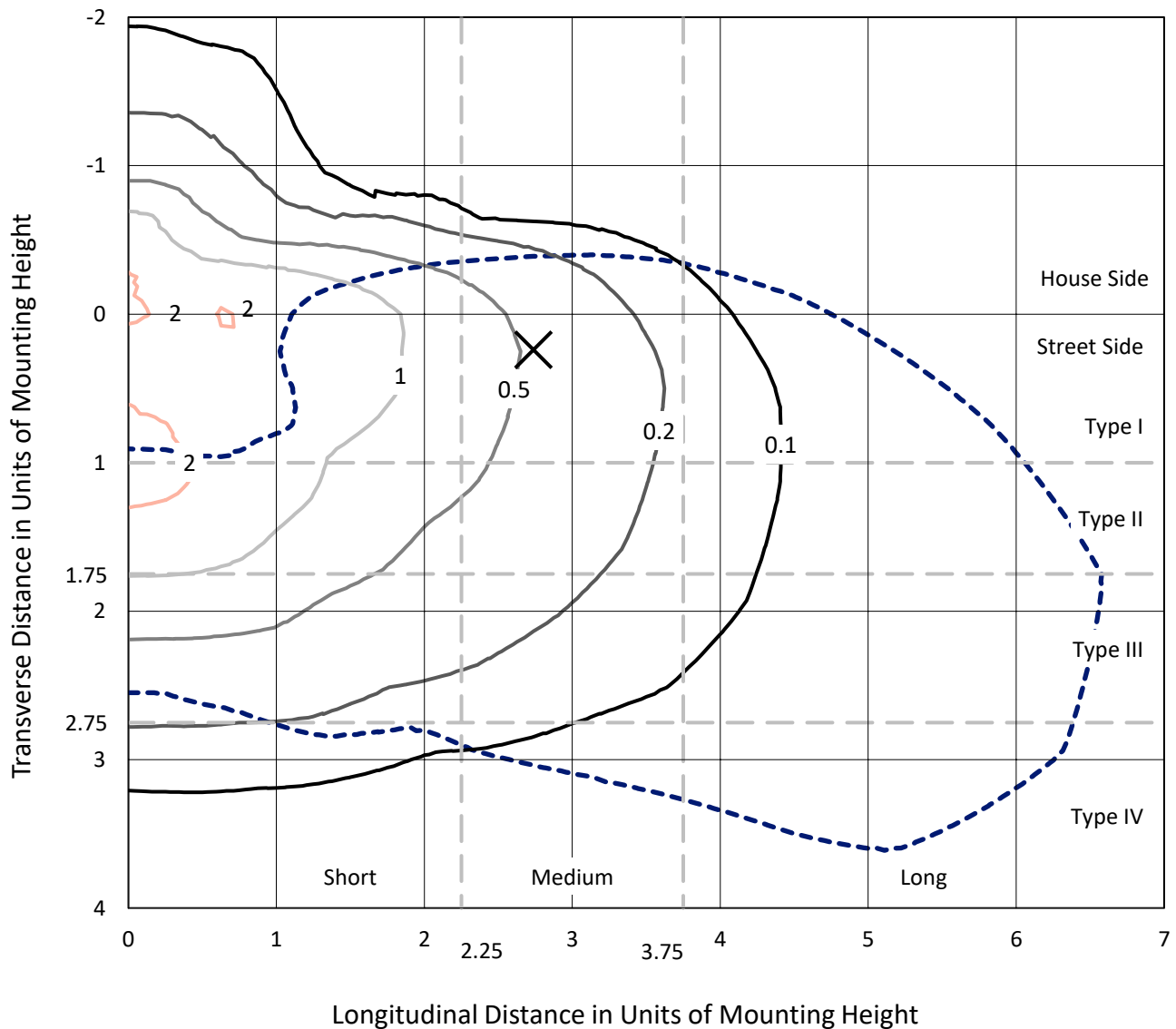


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

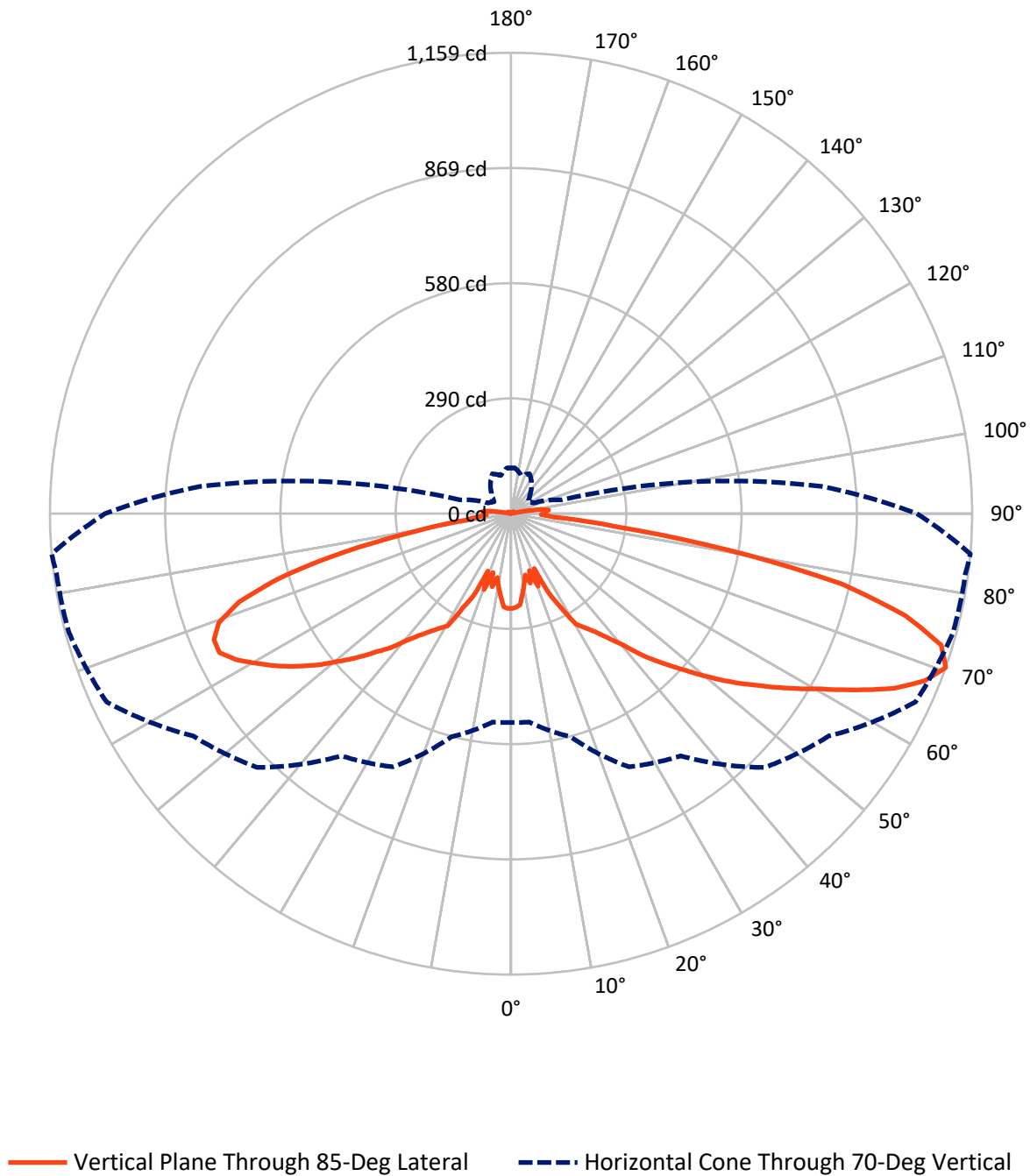


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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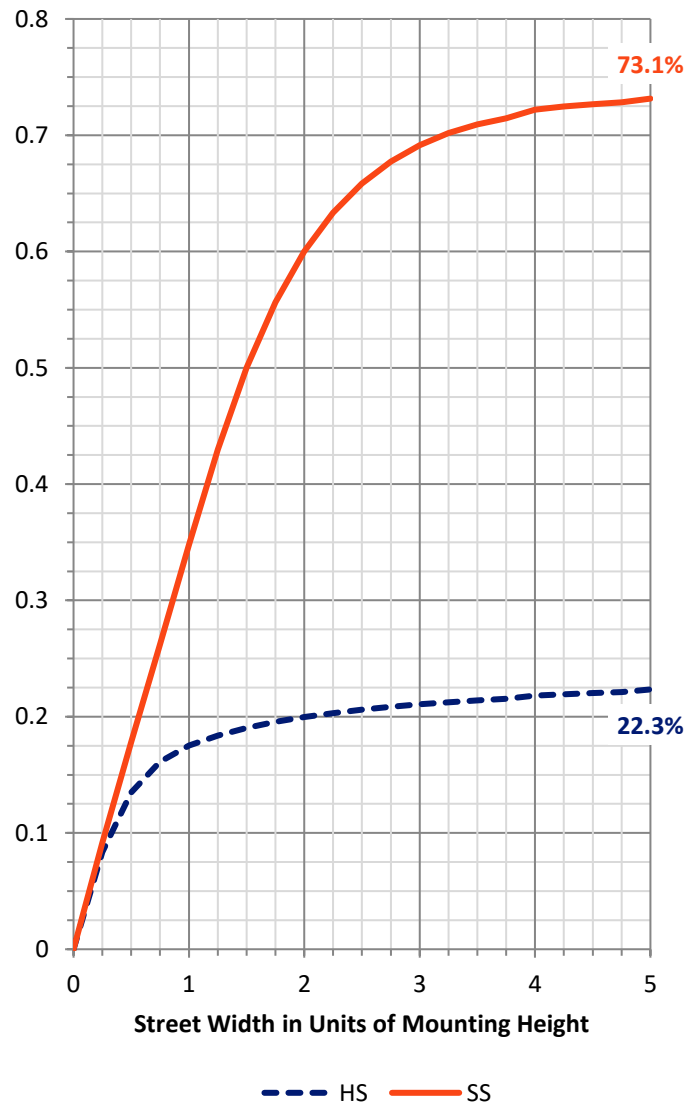
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.3	32.6	539.9
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1590.1	27.6	1617.7
	% Fixture	73.7	1.3	75.0
Total	Lumens	2097.4	60.2	2157.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.9
10°-20°	47.6	2.2
20°-30°	86.7	4.0
30°-40°	163.9	7.6
40°-50°	274.0	12.7
50°-60°	427.6	19.8
60°-70°	530.3	24.6
70°-80°	433.2	20.1
80°-90°	114.7	5.3
90°-100°	43.5	2.0
100°-110°	9.3	0.4
110°-120°	3.0	0.1
120°-130°	2.3	0.1
130°-140°	1.1	0.1
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°	2097.4	97.2
0°-180°	2157.6	100.0

Coefficient of Utilization



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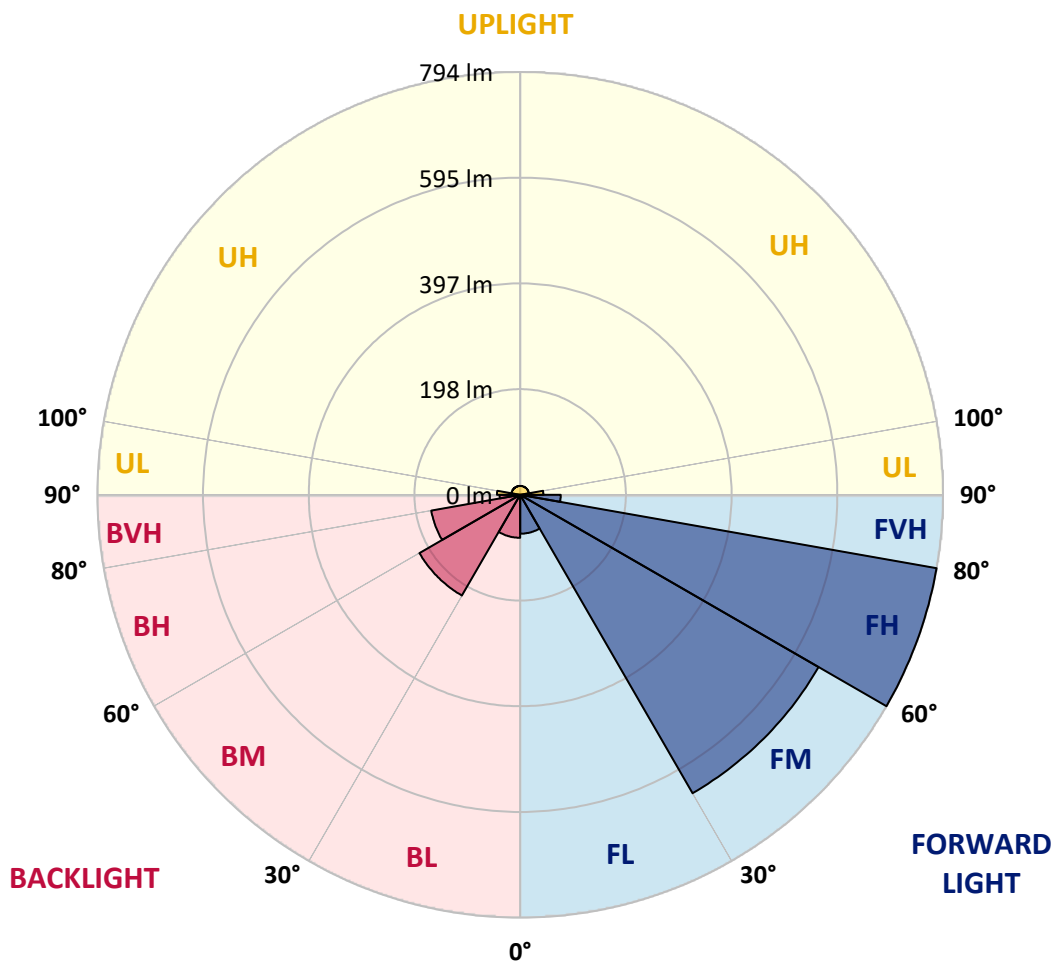
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.1	3.4			
FM	(30°-60°)	647.0	30.0			
FH	(60°-80°)	794.0	36.8			G1/1800
FVH	(80°-90°)	76.1	3.5			G1/100
BL	(0°-30°)	80.7	3.7	B0/110		
BM	(30°-60°)	218.5	10.1	B0/220		
BH	(60°-80°)	169.5	7.9	B1/500		G1/500
BVH	(80°-90°)	38.6	1.8			G1/100
UL	(90°-100°)	43.5	2.0		U2/50	
UH	(100°-180°)	16.7	0.8		U2/50	

BUG Rating: B1-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	197.4	216.6	213.3	219.2	222.5	227.5	230.9	232.5	234.2	235.9	235.9
5°	183.2	184.0	184.9	185.7	187.4	189.9	192.4	219.2	227.5	230.9	230.9
7.5°	167.3	166.5	169.8	174.0	179.8	183.2	185.7	186.5	195.7	203.3	204.9
10°	166.5	167.3	167.3	169.0	158.9	158.1	146.4	147.2	159.8	179.0	179.8
12.5°	144.7	148.9	158.1	164.8	154.7	138.9	136.3	143.0	133.8	157.3	158.1
15°	161.4	160.6	160.6	153.9	130.5	137.2	122.1	127.1	155.6	177.3	181.5
17.5°	140.5	138.9	155.6	150.6	135.5	114.6	137.2	135.5	140.5	153.1	150.6
20°	176.5	174.8	171.5	130.5	137.2	143.9	139.7	130.5	164.8	184.0	194.9
22.5°	164.8	166.5	174.8	165.6	141.4	148.1	132.2	160.6	155.6	148.1	149.7
25°	225.0	223.3	215.0	162.3	169.0	138.0	161.4	143.0	197.4	219.2	220.8
27.5°	207.4	204.9	199.1	204.1	171.5	180.7	157.3	187.4	218.3	256.8	268.5
30°	275.2	272.7	266.0	205.8	204.1	179.0	190.7	230.0	294.4	323.7	322.9
32.5°	354.7	336.3	295.3	263.5	218.3	232.5	218.3	271.0	313.7	342.1	342.1
35°	403.2	399.8	378.1	306.1	254.3	253.4	250.9	298.6	346.3	366.4	364.7
37.5°	444.2	450.0	434.1	354.7	286.9	293.6	281.0	336.3	386.4	398.2	396.5
40°	501.0	499.4	491.0	396.5	327.1	326.2	317.0	381.4	430.8	439.1	435.0
42.5°	585.5	576.3	551.2	452.5	369.7	369.7	353.0	424.1	485.1	486.0	488.5
45°	689.2	685.1	640.7	539.5	424.9	424.1	396.5	469.3	540.4	544.5	537.0
47.5°	761.2	748.6	726.9	619.0	510.2	491.0	449.2	513.6	606.4	603.1	588.0
50°	832.3	822.2	802.2	706.0	598.9	560.4	498.5	559.6	670.0	660.8	646.6
52.5°	893.3	880.0	858.2	777.1	676.7	646.6	555.4	601.4	734.4	719.4	706.0
55°	928.5	900.9	902.5	840.6	735.2	711.0	619.0	669.2	797.1	775.4	764.5
57.5°	885.0	883.3	910.9	880.0	788.8	764.5	686.7	736.9	862.4	833.9	828.9
60°	841.5	846.5	885.8	891.7	830.6	813.0	745.3	833.1	926.0	895.0	895.0
62.5°	781.3	795.5	850.7	895.8	834.8	860.7	806.3	915.1	995.4	966.9	976.1
65°	712.7	712.7	776.2	861.6	821.4	892.5	874.1	1004.6	1056.4	1039.7	1059.0
67.5°	619.0	620.7	686.7	794.6	797.1	908.4	928.5	1074.8	1120.0	1107.5	1121.7
70°	525.3	526.1	581.3	702.6	743.6	902.5	975.3	1121.7	1151.0	1152.6	1159.3
72.5°	393.1	407.4	459.2	570.5	650.8	878.3	999.6	1135.1	1150.1	1152.6	1130.9
75°	211.6	218.3	276.0	371.4	483.5	778.7	992.0	1120.9	1110.0	1080.7	1023.8
77.5°	73.6	77.0	97.0	162.3	274.4	551.2	920.1	1059.0	1023.8	931.8	848.2
80°	47.7	47.7	52.7	77.8	124.6	261.0	714.3	907.6	824.7	628.2	550.4
82.5°	33.5	34.3	38.5	51.9	80.3	112.1	371.4	460.9	454.2	312.8	263.5
85°	24.3	25.1	26.8	30.1	55.2	69.4	144.7	221.7	204.9	112.1	105.4
87.5°	10.9	12.5	10.9	13.4	21.7	42.7	69.4	68.6	65.2	74.4	76.1
90°	8.4	8.4	6.7	7.5	15.1	38.5	64.4	61.9	66.1	81.1	80.3
92.5°	8.4	8.4	6.7	7.5	14.2	38.5	67.8	60.2	68.6	87.0	87.8
95°	8.4	9.2	6.7	6.7	11.7	39.3	71.9	64.4	72.8	94.5	94.5
97.5°	7.5	7.5	5.0	5.9	9.2	36.0	71.9	55.2	53.5	76.1	75.3
100°	5.9	6.7	3.3	5.0	6.7	21.7	53.5	34.3	15.1	17.6	26.8
102.5°	5.9	5.9	3.3	4.2	5.0	9.2	28.4	20.1	4.2	5.9	5.9
105°	5.9	6.7	3.3	3.3	3.3	4.2	13.4	10.0	3.3	5.0	5.9
107.5°	6.7	6.7	2.5	2.5	2.5	2.5	5.0	4.2	3.3	5.9	6.7
110°	6.7	6.7	2.5	2.5	1.7	1.7	2.5	2.5	3.3	5.9	6.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	5.9	5.9	2.5	2.5	1.7	1.7	1.7	2.5	3.3	5.0	5.9
115°	4.2	4.2	1.7	2.5	1.7	1.7	1.7	2.5	2.5	4.2	5.0
117.5°	4.2	3.3	1.7	1.7	0.8	1.7	1.7	2.5	3.3	5.9	5.9
120°	4.2	4.2	1.7	0.8	0.8	0.8	0.8	1.7	4.2	6.7	7.5
122.5°	4.2	4.2	1.7	0.8	0.8	0.8	0.8	1.7	4.2	6.7	7.5
125°	5.0	4.2	2.5	0.8	0.8	0.8	0.8	0.8	3.3	5.9	6.7
127.5°	4.2	4.2	2.5	0.8	0.8	0.8	0.8	0.8	2.5	5.0	5.9
130°	4.2	4.2	2.5	0.8	0.8	0.8	0.8	0.8	2.5	4.2	4.2
132.5°	3.3	3.3	2.5	0.8	0.8	0.8	0.8	0.8	1.7	3.3	3.3
135°	3.3	3.3	1.7	0.8	0.8	0.8	0.8	0.8	0.8	2.5	2.5
137.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.0	0.0	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°	2.5	2.5	2.5	1.7	1.7	0.8	1.7	0.8	0.8	0.8	0.8
152.5°	2.5	2.5	3.3	1.7	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°	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4	238.4
2.5°	236.7	238.4	239.2	241.7	241.7	241.7	235.9	221.7	221.7	222.5	223.3
5°	233.4	235.0	238.4	226.7	215.0	214.1	218.3	220.8	221.7	222.5	220.8
7.5°	206.6	210.0	208.3	209.1	215.0	220.8	225.8	222.5	214.1	208.3	210.0
10°	184.0	187.4	169.0	170.6	177.3	194.1	221.7	230.9	236.7	239.2	239.2
12.5°	161.4	163.9	148.1	171.5	159.8	185.7	215.8	238.4	215.8	206.6	206.6
15°	184.9	189.9	170.6	152.2	155.6	188.2	165.6	227.5	234.2	235.9	237.6
17.5°	158.1	154.7	158.1	160.6	174.8	146.4	189.9	214.1	200.7	195.7	198.2
20°	199.1	202.4	184.9	158.1	159.8	186.5	169.0	191.5	228.4	229.2	230.9
22.5°	151.4	155.6	165.6	188.2	164.8	180.7	178.2	199.1	186.5	187.4	194.1
25°	222.5	225.8	208.3	168.1	179.8	163.1	179.8	177.3	209.1	210.8	210.8
27.5°	272.7	265.2	227.5	189.9	158.1	172.3	162.3	169.0	161.4	184.0	187.4
30°	324.5	324.5	295.3	211.6	167.3	146.4	148.1	160.6	179.0	182.3	182.3
32.5°	340.4	339.6	302.0	229.2	164.8	151.4	136.3	151.4	183.2	199.1	200.7
35°	363.0	359.7	313.7	223.3	158.9	138.0	128.8	152.2	175.7	178.2	176.5
37.5°	391.5	383.1	327.9	212.5	145.5	129.7	123.8	137.2	157.3	157.3	157.3
40°	426.6	413.2	332.9	197.4	131.3	118.8	112.9	127.1	140.5	133.0	130.5
42.5°	474.3	454.2	337.1	186.5	118.8	109.6	102.0	115.4	122.1	117.9	116.3
45°	518.6	488.5	343.8	174.8	108.7	101.2	94.5	106.2	111.2	107.1	106.2
47.5°	571.3	531.2	344.6	163.9	101.2	94.5	89.5	99.5	102.9	102.9	102.0
50°	625.7	572.1	351.3	154.7	93.7	87.8	87.0	94.5	97.0	95.4	94.5
52.5°	687.6	618.1	353.8	143.0	84.5	80.3	84.5	89.5	97.0	97.9	97.9
55°	753.6	660.8	352.1	127.1	77.8	76.1	82.0	92.8	99.5	94.5	93.7
57.5°	818.1	703.5	353.0	109.6	71.1	74.4	82.8	97.0	102.0	96.2	93.7
60°	875.8	741.9	341.3	93.7	66.1	70.3	86.2	101.2	99.5	101.2	98.7
62.5°	946.9	782.1	307.8	83.6	61.9	68.6	86.2	103.7	97.0	103.7	103.7
65°	1005.4	812.2	260.1	75.3	58.6	68.6	87.0	104.6	94.5	105.4	105.4
67.5°	1030.5	811.4	188.2	68.6	54.4	66.9	87.0	107.9	97.0	108.7	107.9
70°	1020.5	783.8	133.0	63.6	51.9	67.8	90.3	110.4	99.5	115.4	114.6
72.5°	952.7	718.5	96.2	59.4	48.5	64.4	92.8	113.8	102.0	125.5	125.5
75°	839.0	600.6	77.8	55.2	45.2	63.6	93.7	115.4	103.7	127.1	127.1
77.5°	641.6	431.6	65.2	51.0	41.8	61.9	92.8	117.9	102.9	127.1	127.1
80°	384.8	245.9	54.4	46.0	42.7	61.1	94.5	117.9	102.9	125.5	125.5
82.5°	177.3	112.9	48.5	38.5	40.1	60.2	96.2	116.3	98.7	125.5	120.4
85°	98.7	79.5	41.8	32.6	36.0	56.9	91.2	104.6	88.7	103.7	102.0
87.5°	73.6	61.9	26.8	16.7	23.4	40.1	70.3	82.8	66.9	80.3	79.5
90°	78.6	65.2	24.3	16.7	25.1	36.8	66.1	73.6	61.9	74.4	73.6
92.5°	84.5	68.6	24.3	17.6	28.4	40.1	66.1	71.9	61.1	67.8	68.6
95°	88.7	71.1	23.4	19.2	30.1	43.5	64.4	66.1	56.0	58.6	61.1
97.5°	69.4	53.5	20.9	20.1	29.3	35.1	52.7	51.9	38.5	36.0	36.0
100°	21.7	15.1	18.4	20.9	17.6	16.7	30.9	36.8	22.6	15.1	14.2
102.5°	6.7	5.9	16.7	20.1	13.4	7.5	16.7	23.4	16.7	2.5	3.3
105°	6.7	6.7	10.9	16.7	9.2	3.3	6.7	12.5	10.0	2.5	2.5
107.5°	6.7	5.9	4.2	9.2	3.3	2.5	3.3	3.3	3.3	2.5	2.5
110°	6.7	6.7	3.3	3.3	2.5	2.5	2.5	1.7	1.7	4.2	4.2



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CANDELA DISTRIBUTION (continued):

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