

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: P559974

Luminaire Tested: **SDL-PA1-20-722-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-722-U-T4W-A
Description: Springdale
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1868.6 lumens
Efficiency: N/A
Efficacy: 89.0 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

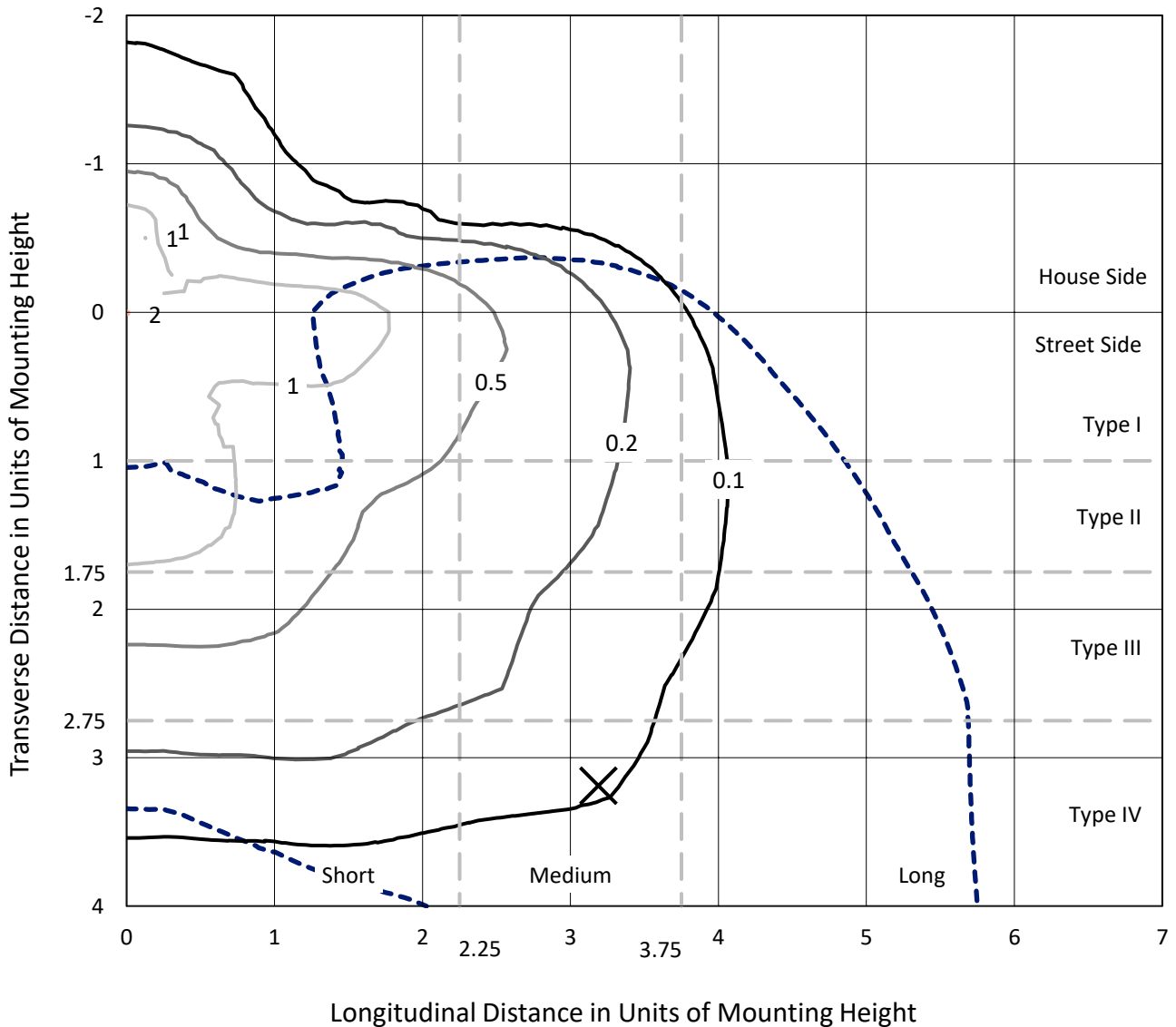


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Iso-Footcandle Lines of Horizontal Illumination

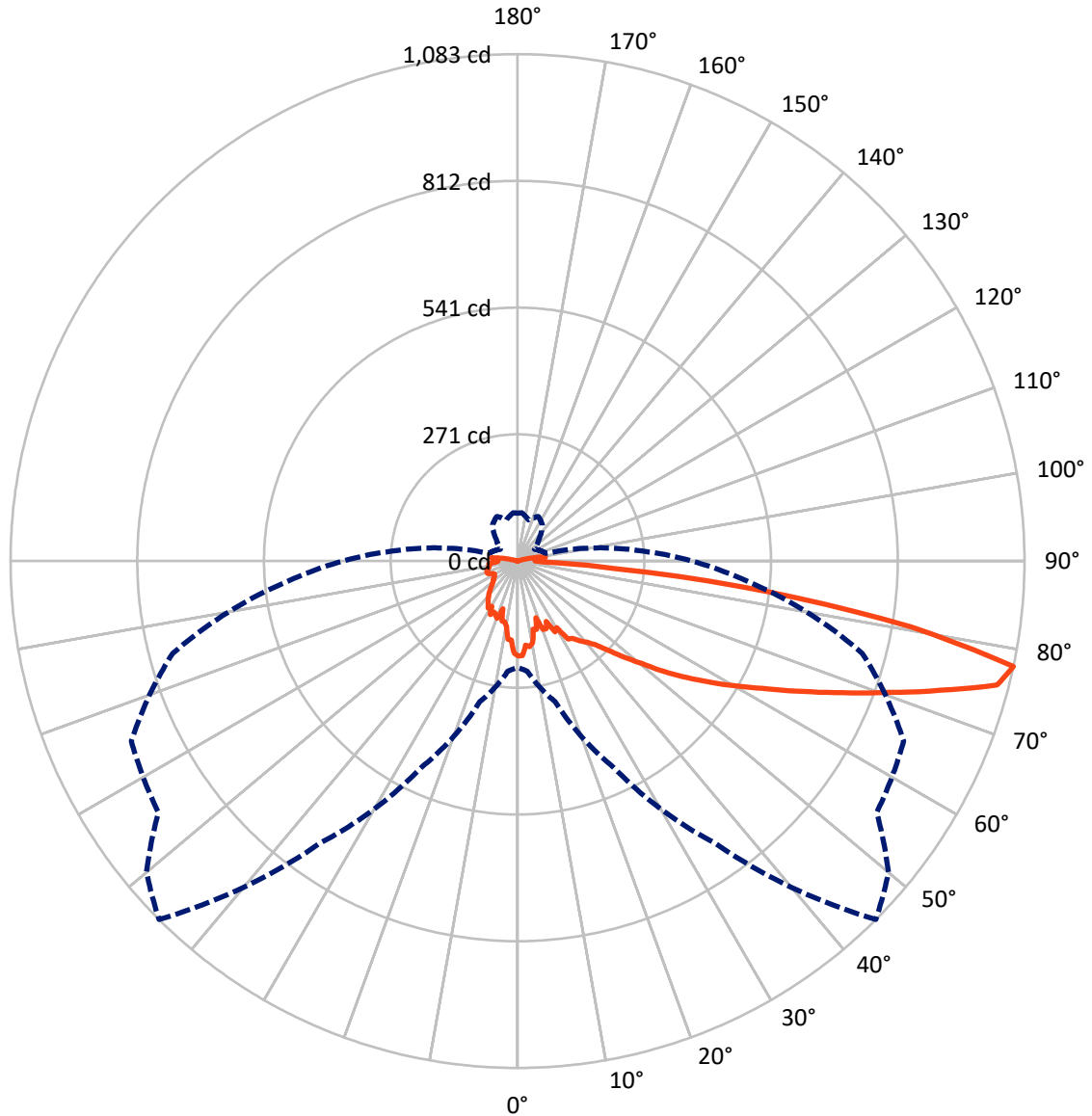
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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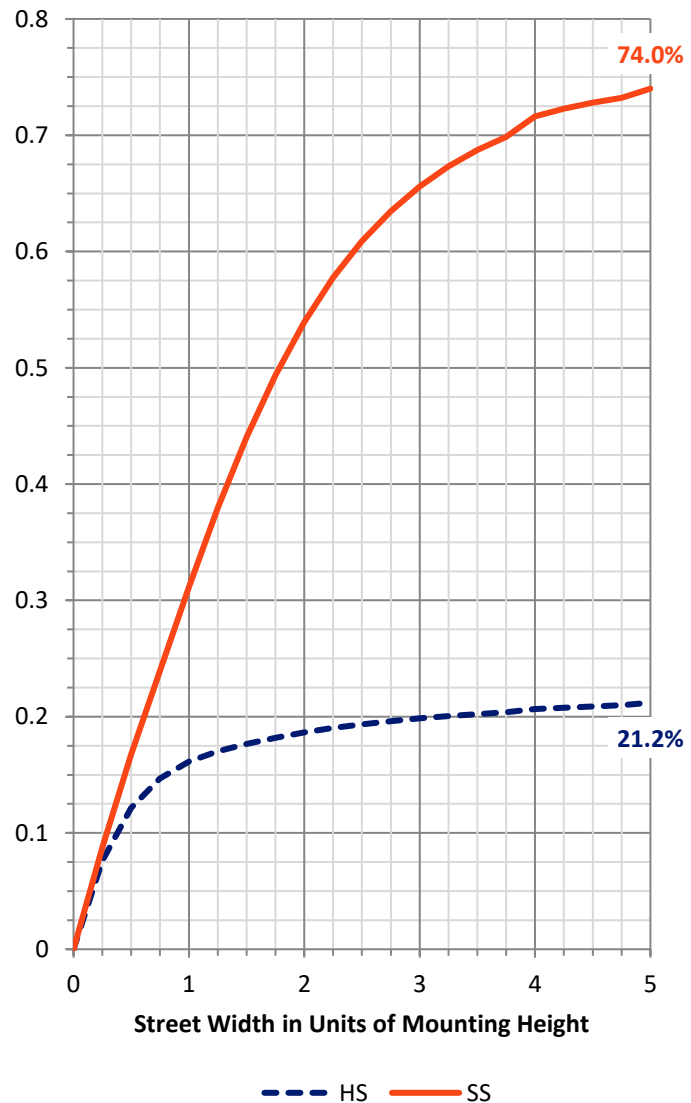
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	418.2	31.2	449.4
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	1394.0	25.2	1419.2
	% Fixture	74.6	1.3	75.9
Total	Lumens	1812.2	56.4	1868.6
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.9
10°-20°	41.8	2.2
20°-30°	72.3	3.9
30°-40°	128.0	6.9
40°-50°	198.5	10.6
50°-60°	319.6	17.1
60°-70°	469.9	25.1
70°-80°	452.5	24.2
80°-90°	112.8	6.0
90°-100°	42.1	2.3
100°-110°	9.3	0.5
110°-120°	2.0	0.1
120°-130°	1.7	0.1
130°-140°	0.7	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1812.2	97.0
0°-180°	1868.6	100.0



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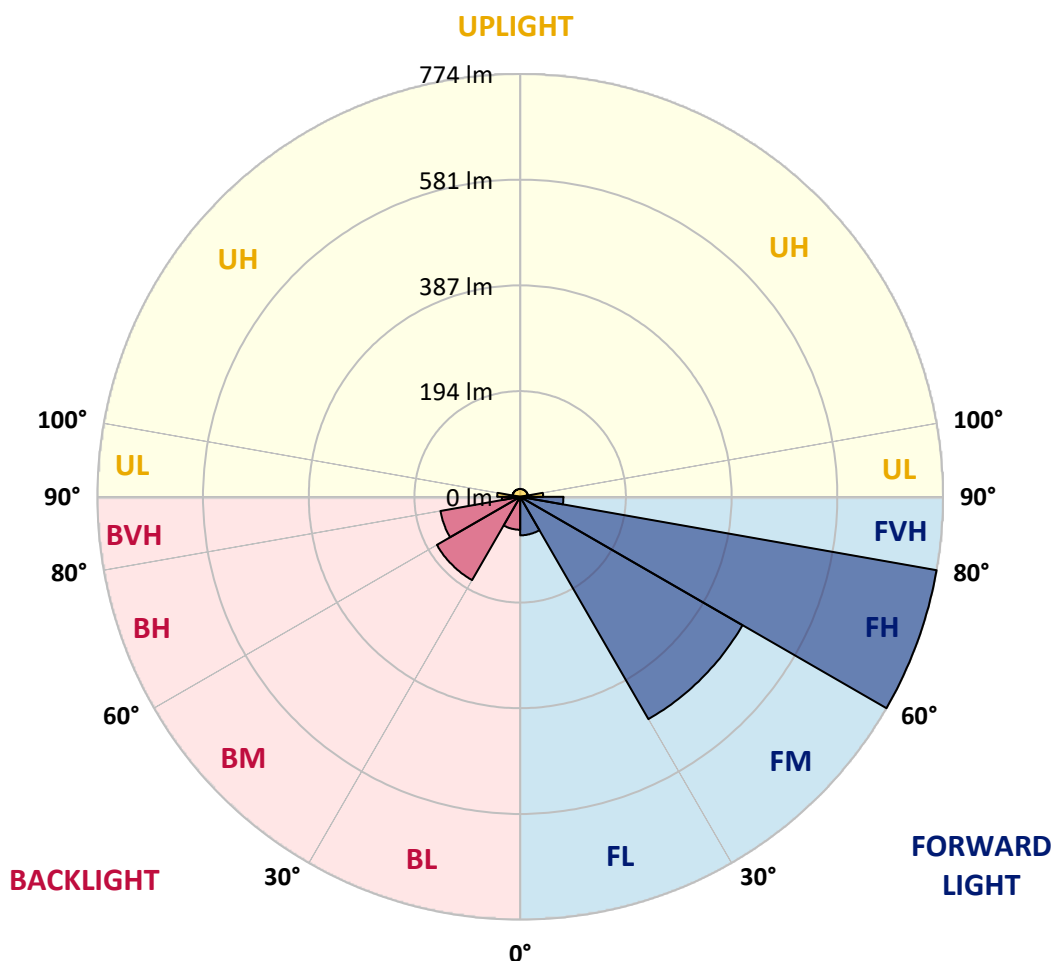
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.5	3.8			
FM	(30°-60°)	470.0	25.2			
FH	(60°-80°)	774.2	41.4			G1/1800
FVH	(80°-90°)	79.3	4.2			G1/100
BL	(0°-30°)	60.4	3.2	B0/110		
BM	(30°-60°)	176.1	9.4	B0/220		
BH	(60°-80°)	148.2	7.9	B1/500		G1/500
BVH	(80°-90°)	33.6	1.8			G1/100
UL	(90°-100°)	42.1	2.3		U2/50	
UH	(100°-180°)	14.3	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°	50°	55°	65°	75°	85°
0°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	184.5	202.1	199.2	201.4	201.4	202.1	202.9	202.9	203.6	202.9	202.9
5°	188.2	187.4	186.0	184.5	183.0	180.8	180.8	180.8	198.5	199.9	198.5
7.5°	175.7	191.1	189.6	186.7	186.7	184.5	181.5	178.6	173.5	172.0	174.2
10°	198.5	197.7	195.5	191.1	174.9	177.9	159.5	144.1	138.2	141.9	151.4
12.5°	176.4	188.9	194.0	194.0	173.5	149.2	133.0	141.9	136.7	122.0	133.0
15°	208.0	206.5	200.7	191.1	152.1	151.4	142.6	125.0	127.2	138.2	148.5
17.5°	177.9	177.9	199.2	182.3	156.6	127.2	126.4	140.4	128.6	122.7	128.6
20°	214.6	213.9	207.3	151.4	158.0	155.8	128.6	143.3	122.7	141.1	154.4
22.5°	182.3	180.8	191.1	181.5	150.7	157.3	120.5	136.0	146.3	129.4	119.8
25°	214.6	216.1	213.2	161.7	171.3	142.6	145.5	155.1	134.5	163.9	170.5
27.5°	188.9	188.9	180.8	180.8	158.8	171.3	136.7	145.5	160.2	177.1	208.0
30°	231.5	232.3	227.1	174.2	175.7	164.6	158.8	169.1	192.6	230.1	244.0
32.5°	283.0	283.0	243.3	208.0	176.4	198.5	167.6	184.5	218.3	237.4	255.8
35°	315.3	311.6	294.0	233.7	190.4	202.9	189.6	196.2	226.4	254.3	267.5
37.5°	361.6	360.2	342.5	256.5	204.3	216.1	197.0	204.3	241.1	266.8	282.2
40°	425.6	418.2	402.8	296.2	221.2	227.9	205.8	214.6	258.7	283.0	301.4
42.5°	476.3	477.8	466.7	343.3	249.2	244.8	221.2	227.9	277.8	308.0	328.6
45°	523.3	521.9	524.1	399.8	283.7	272.0	248.4	249.2	302.1	338.8	366.8
47.5°	555.7	554.9	560.1	452.8	327.8	306.5	278.6	275.6	330.0	391.8	419.0
50°	594.6	592.4	589.5	509.4	377.8	344.0	318.3	308.0	366.0	451.3	485.1
52.5°	642.4	637.3	627.7	553.5	432.9	391.8	363.1	349.1	414.6	518.2	561.6
55°	688.0	680.6	672.5	602.7	483.6	439.5	408.7	400.6	477.8	587.3	643.1
57.5°	732.8	729.1	722.5	668.1	548.3	489.5	455.0	453.5	551.3	654.2	730.6
60°	774.7	768.8	777.6	738.7	608.6	542.4	505.7	516.7	632.1	721.1	827.6
62.5°	800.4	798.2	817.3	803.4	664.5	601.2	563.8	582.9	710.0	786.5	913.6
65°	762.2	768.1	843.8	843.8	729.1	671.1	634.3	646.1	783.5	852.6	992.3
67.5°	692.4	700.5	803.4	866.6	787.2	749.7	711.5	718.1	848.9	906.3	1056.2
70°	632.9	638.7	734.3	868.1	824.0	840.9	785.7	779.9	899.7	951.1	1079.7
72.5°	580.7	588.7	667.4	859.2	860.0	944.5	873.9	838.7	946.0	968.0	1004.8
75°	460.1	456.4	545.4	755.6	871.7	1057.7	977.6	904.1	968.8	910.0	787.9
77.5°	226.4	235.9	310.9	486.6	735.8	1082.7	1034.2	936.4	910.0	762.2	491.7
80°	66.9	69.1	86.7	174.2	422.6	852.6	854.1	774.7	684.3	445.4	222.0
82.5°	37.5	38.2	50.0	75.7	173.5	540.2	562.3	465.3	302.8	164.6	111.0
85°	19.8	20.6	25.7	39.7	88.2	215.4	228.6	177.9	146.3	107.3	81.6
87.5°	9.6	9.6	8.8	13.2	32.3	52.2	58.1	66.2	58.8	55.1	67.6
90°	8.1	8.1	6.6	7.4	17.6	37.5	45.6	50.7	46.3	50.7	74.2
92.5°	8.8	8.8	6.6	7.4	19.1	41.9	50.0	56.6	49.2	54.4	82.3
95°	8.1	8.8	5.9	6.6	19.1	51.5	60.3	61.7	50.7	59.5	88.2
97.5°	6.6	6.6	4.4	5.1	16.9	60.3	66.2	63.9	44.8	45.6	70.6
100°	5.1	5.1	2.9	4.4	11.8	48.5	56.6	53.7	29.4	7.4	17.6
102.5°	4.4	4.4	2.2	3.7	5.1	23.5	30.1	29.4	17.6	4.4	3.7
105°	4.4	4.4	2.2	2.9	2.9	6.6	10.3	13.2	7.4	2.2	3.7
107.5°	4.4	4.4	2.2	1.5	1.5	2.9	3.7	3.7	3.7	2.2	4.4
110°	5.1	5.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	4.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	4.4	4.4	1.5	1.5	0.7	1.5	1.5	1.5	1.5	2.2	4.4
115°	3.7	3.7	0.7	1.5	0.7	0.7	1.5	0.7	1.5	1.5	3.7
117.5°	3.7	2.9	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	4.4
120°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.9	5.1
122.5°	3.7	3.7	1.5	0.7	0.0	0.7	0.7	0.7	1.5	2.9	5.9
125°	4.4	3.7	1.5	0.7	0.0	0.0	0.7	0.7	0.7	2.9	5.1
127.5°	3.7	2.9	1.5	0.7	0.0	0.0	0.7	0.7	0.7	2.2	4.4
130°	3.7	2.9	1.5	0.0	0.0	0.0	0.7	0.7	0.7	2.2	3.7
132.5°	2.9	2.2	1.5	0.0	0.0	0.0	0.7	0.7	0.7	1.5	2.9
135°	2.2	2.2	0.7	0.0	0.7	0.0	0.7	0.7	0.7	0.7	2.2
137.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
140°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	2.2	2.2	2.2	1.5	0.7	0.7	0.7	1.5	0.7	0.7	0.7
152.5°	2.2	2.2	2.2	1.5	0.0	0.0	0.7	0.7	1.5	0.7	0.7
155°	1.5	1.5	1.5	0.0	0.0	0.0	0.7	0.7	0.7	1.5	1.5
157.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9	202.9
2.5°	202.1	201.4	200.7	199.9	198.5	197.0	193.3	177.9	177.9	178.6	178.6
5°	198.5	197.7	195.5	181.5	173.5	169.1	170.5	170.5	170.5	171.3	172.7
7.5°	173.5	172.7	162.4	161.7	164.6	168.3	170.5	166.8	159.5	159.5	159.5
10°	151.4	150.7	132.3	128.6	132.3	141.1	163.9	168.3	171.3	172.0	173.5
12.5°	132.3	130.1	113.9	125.7	117.6	132.3	152.9	169.8	154.4	151.4	151.4
15°	147.0	146.3	127.2	110.3	111.0	132.3	121.3	159.5	168.3	169.8	170.5
17.5°	128.6	127.2	116.9	116.1	122.7	106.6	134.5	152.1	144.8	147.0	147.0
20°	153.6	152.9	133.8	111.0	109.5	130.1	119.1	138.2	164.6	169.8	170.5
22.5°	119.1	119.1	122.7	130.1	118.3	124.2	127.2	146.3	141.1	144.1	152.9
25°	169.1	167.6	148.5	116.9	127.2	119.8	133.0	138.9	163.2	169.1	170.5
27.5°	205.1	201.4	159.5	131.6	114.7	128.6	127.9	134.5	138.2	161.0	163.9
30°	241.8	238.1	205.1	147.7	119.1	111.0	122.0	144.1	166.1	169.8	172.7
32.5°	255.1	252.1	209.5	156.6	119.8	118.3	121.3	144.1	182.3	197.0	199.9
35°	269.0	265.3	213.9	152.9	116.9	110.3	114.7	148.5	181.5	191.1	193.3
37.5°	285.9	279.3	219.0	145.5	108.8	104.4	109.5	135.2	172.7	182.3	183.8
40°	307.2	300.6	225.7	137.4	100.7	97.0	100.0	125.7	151.4	159.5	163.2
42.5°	339.6	327.1	228.6	130.8	93.3	89.7	92.6	113.2	133.0	138.2	140.4
45°	381.5	359.4	233.0	122.0	86.7	81.6	86.0	103.6	113.2	113.2	113.2
47.5°	432.9	397.6	235.2	114.7	78.6	74.2	78.6	94.1	99.2	96.3	95.6
50°	496.1	446.2	246.2	105.8	72.0	68.4	75.7	83.1	85.3	86.7	86.7
52.5°	570.4	502.0	252.8	97.0	67.6	65.4	72.8	77.9	78.6	80.1	80.1
55°	651.2	563.0	256.5	88.9	64.7	61.7	69.8	75.0	75.0	76.4	76.4
57.5°	735.0	633.6	266.1	83.1	61.7	58.8	66.9	75.7	72.8	75.7	76.4
60°	823.2	699.0	258.0	77.2	57.3	56.6	67.6	80.9	80.1	83.8	84.5
62.5°	906.3	751.2	222.0	72.0	54.4	57.3	75.7	91.1	88.9	94.8	94.8
65°	953.3	768.8	163.2	69.1	52.2	61.7	83.8	101.4	94.1	97.0	95.6
67.5°	963.6	751.2	117.6	65.4	51.5	69.1	89.7	103.6	93.3	96.3	96.3
70°	939.4	710.0	94.8	62.5	50.7	69.8	91.1	103.6	94.1	100.7	99.2
72.5°	829.8	604.2	80.9	59.5	50.7	68.4	93.3	104.4	96.3	107.3	105.1
75°	625.5	452.0	71.3	56.6	47.8	66.2	94.8	105.1	93.3	105.1	103.6
77.5°	371.9	258.0	63.2	52.9	44.1	63.9	93.3	105.1	91.1	103.6	102.2
80°	157.3	121.3	53.7	46.3	40.4	61.0	91.9	104.4	87.5	100.7	98.5
82.5°	99.2	82.3	45.6	38.2	39.7	60.3	92.6	102.9	86.0	101.4	94.1
85°	80.1	67.6	39.0	32.3	36.8	61.7	88.9	93.3	74.2	87.5	85.3
87.5°	67.6	56.6	17.6	14.0	27.2	47.8	67.6	69.8	53.7	68.4	65.4
90°	74.2	61.7	16.9	11.8	24.3	41.9	62.5	61.0	51.5	65.4	64.7
92.5°	80.9	65.4	16.2	12.5	27.2	45.6	68.4	61.7	54.4	66.2	65.4
95°	83.8	66.9	15.4	13.2	32.3	50.0	72.8	60.3	57.3	61.0	60.3
97.5°	63.2	48.5	14.7	14.0	33.8	56.6	68.4	50.7	37.5	37.5	36.8
100°	16.2	16.2	13.2	13.2	22.8	41.2	52.2	37.5	21.3	16.2	16.9
102.5°	4.4	5.1	11.8	12.5	12.5	18.4	29.4	24.3	14.0	2.2	2.2
105°	4.4	4.4	8.1	9.6	6.6	5.9	11.8	13.2	10.3	1.5	2.2
107.5°	4.4	4.4	3.7	5.1	2.2	2.9	2.9	3.7	3.7	1.5	1.5
110°	5.1	4.4	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.9	2.9



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CANDELA DISTRIBUTION (continued):

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