

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: P559970

Luminaire Tested: **SDL-PA1-20-722-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559970
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-PA1-20-722-U-T3-A
Description: Springdale
(1) 70 CRI, 2200K, 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: 1896.5 lumens
Efficiency: N/A
Efficacy: 90.3 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

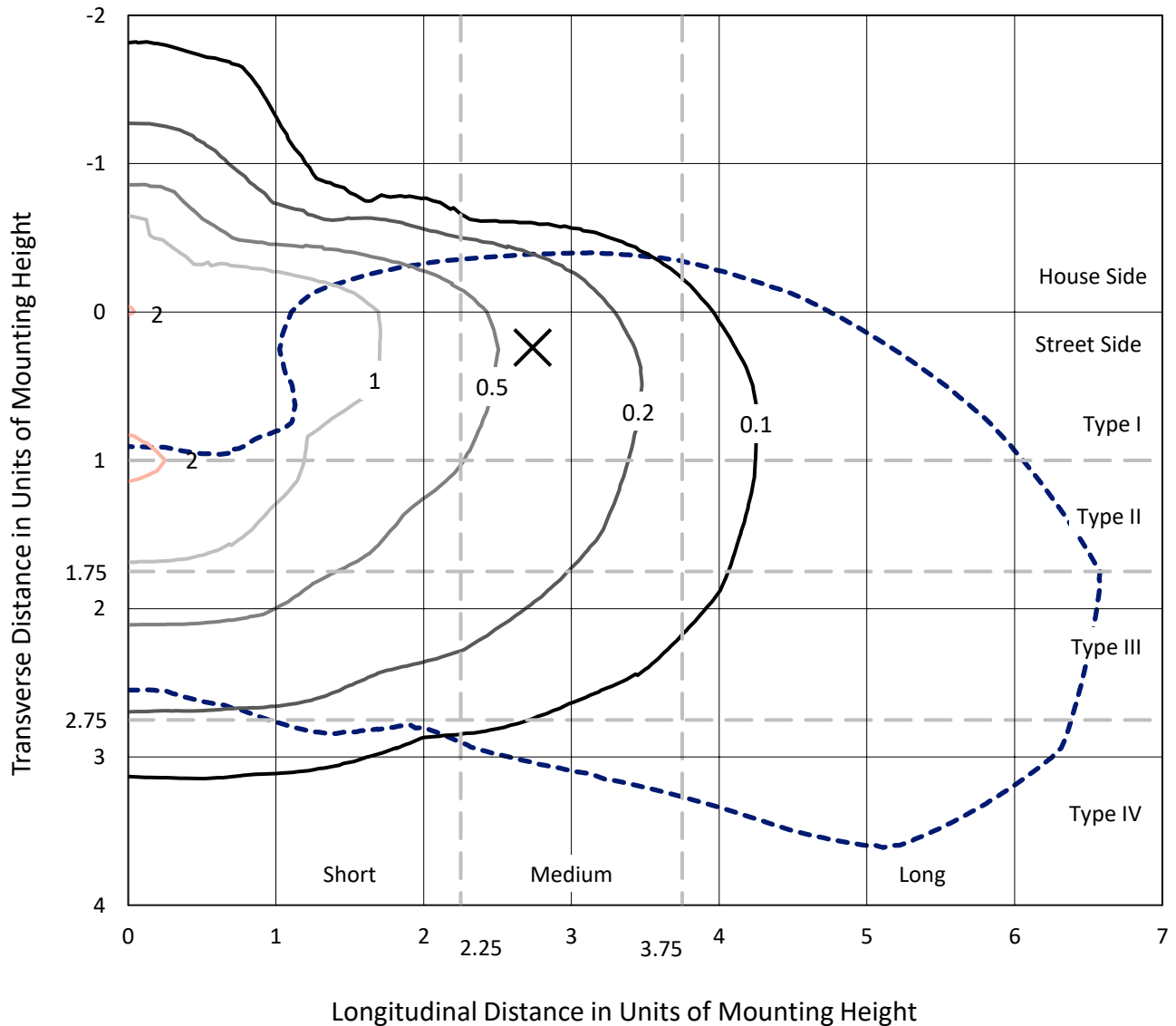
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

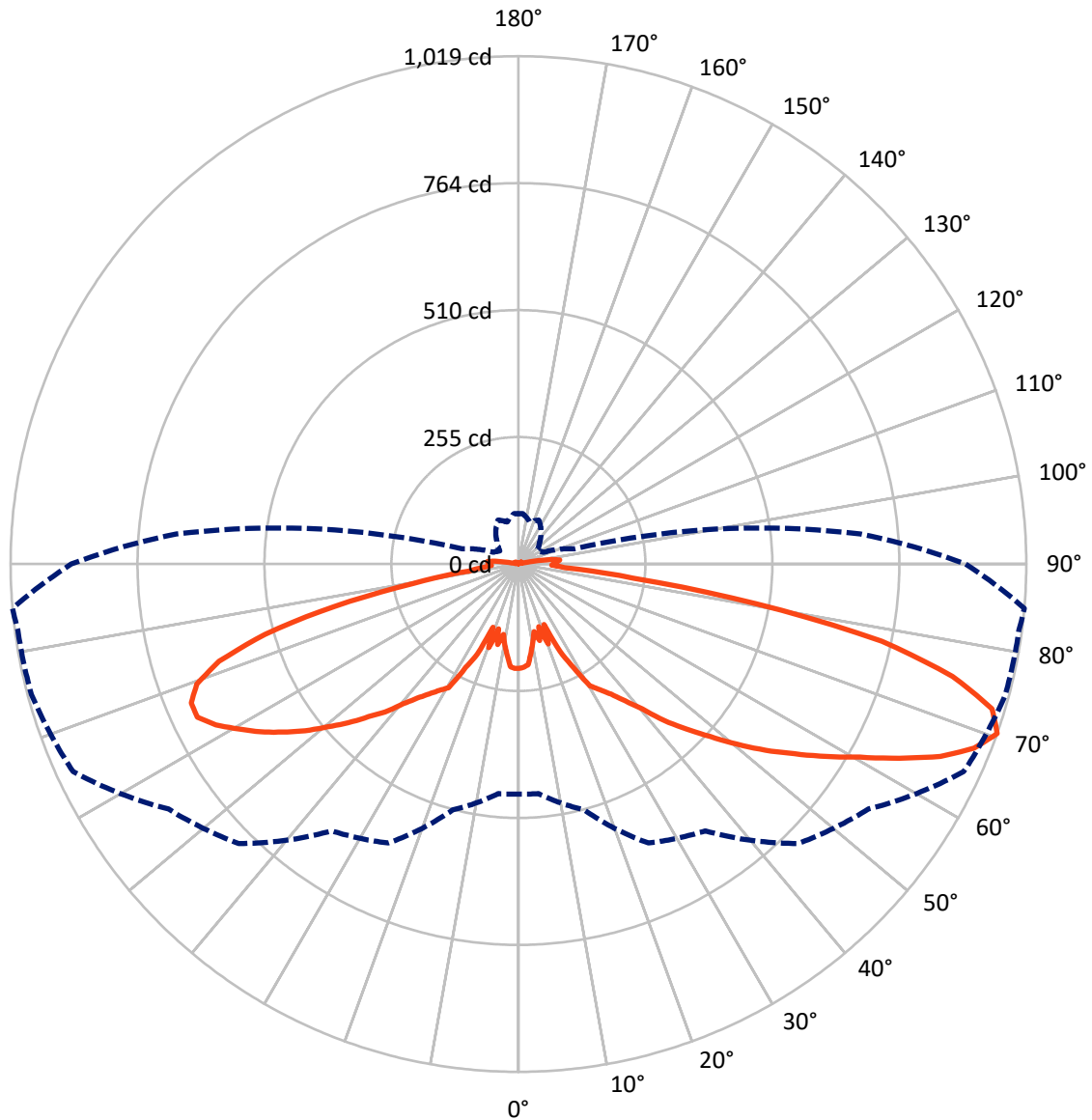
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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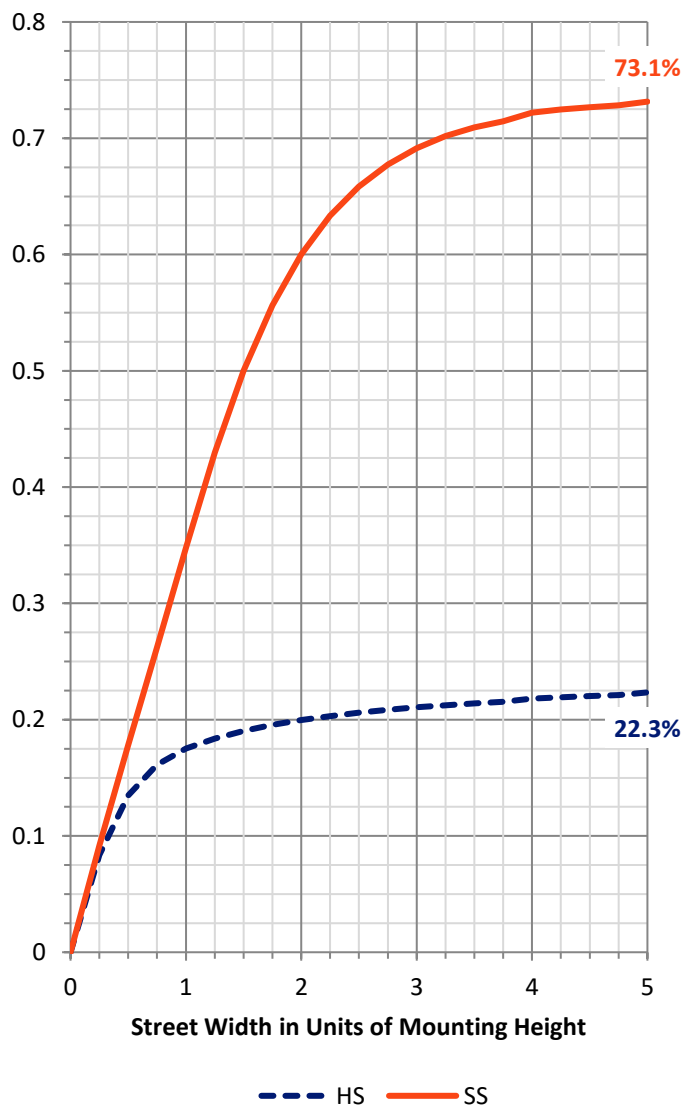
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.9	28.7	474.6
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1397.7	24.2	1421.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	1843.6	52.9	1896.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.9
10°-20°	41.8	2.2
20°-30°	76.2	4.0
30°-40°	144.1	7.6
40°-50°	240.8	12.7
50°-60°	375.9	19.8
60°-70°	466.1	24.6
70°-80°	380.8	20.1
80°-90°	100.8	5.3
90°-100°	38.3	2.0
100°-110°	8.1	0.4
110°-120°	2.6	0.1
120°-130°	2.0	0.1
130°-140°	1.0	0.1
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1843.6	97.2
0°-180°	1896.5	100.0

Coefficient of Utilization



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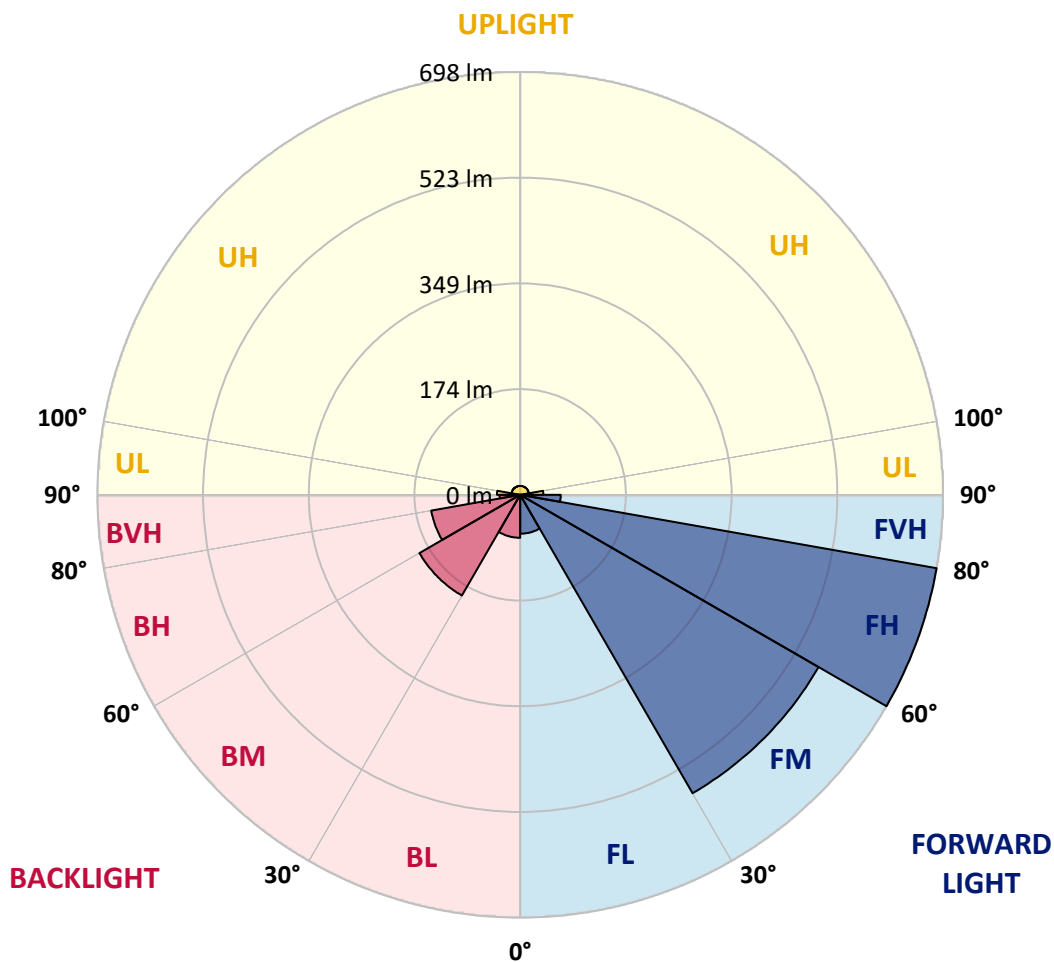
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.2	3.4			
FM	(30°-60°)	568.7	30.0			
FH	(60°-80°)	697.9	36.8			G1/1800
FVH	(80°-90°)	66.9	3.5			G1/100
BL	(0°-30°)	70.9	3.7	B0/110		
BM	(30°-60°)	192.1	10.1	B0/220		
BH	(60°-80°)	149.0	7.9	B1/500		G1/500
BVH	(80°-90°)	33.9	1.8			G1/100
UL	(90°-100°)	38.3	2.0		U2/50	
UH	(100°-180°)	14.7	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	173.5	190.4	187.5	192.6	195.6	200.0	202.9	204.4	205.9	207.3	207.3
5°	161.0	161.8	162.5	163.2	164.7	166.9	169.1	192.6	200.0	202.9	202.9
7.5°	147.0	146.3	149.3	152.9	158.1	161.0	163.2	164.0	172.0	178.7	180.1
10°	146.3	147.0	147.0	148.5	139.7	139.0	128.7	129.4	140.4	157.3	158.1
12.5°	127.2	130.9	139.0	144.8	136.0	122.1	119.8	125.7	117.6	138.2	139.0
15°	141.9	141.2	141.2	135.3	114.7	120.6	107.3	111.8	136.8	155.9	159.5
17.5°	123.5	122.1	136.8	132.3	119.1	100.7	120.6	119.1	123.5	134.6	132.3
20°	155.1	153.7	150.7	114.7	120.6	126.5	122.8	114.7	144.8	161.8	171.3
22.5°	144.8	146.3	153.7	145.6	124.3	130.1	116.2	141.2	136.8	130.1	131.6
25°	197.8	196.3	189.0	142.6	148.5	121.3	141.9	125.7	173.5	192.6	194.1
27.5°	182.3	180.1	175.0	179.4	150.7	158.8	138.2	164.7	191.9	225.7	236.0
30°	241.9	239.7	233.8	180.9	179.4	157.3	167.6	202.2	258.8	284.5	283.8
32.5°	311.7	295.6	259.5	231.6	191.9	204.4	191.9	238.2	275.7	300.7	300.7
35°	354.4	351.4	332.3	269.1	223.5	222.8	220.6	262.5	304.4	322.0	320.6
37.5°	390.4	395.6	381.6	311.7	252.2	258.1	247.0	295.6	339.7	350.0	348.5
40°	440.4	438.9	431.6	348.5	287.5	286.7	278.7	335.3	378.7	386.0	382.3
42.5°	514.7	506.6	484.5	397.8	325.0	325.0	310.3	372.8	426.4	427.2	429.4
45°	605.8	602.2	563.2	474.2	373.5	372.8	348.5	412.5	475.0	478.6	472.0
47.5°	669.1	658.0	638.9	544.1	448.5	431.6	394.8	451.4	533.1	530.1	516.9
50°	731.6	722.7	705.1	620.6	526.4	492.6	438.2	491.9	588.9	580.8	568.3
52.5°	785.2	773.5	754.4	683.0	594.8	568.3	488.2	528.6	645.5	632.3	620.6
55°	816.1	791.9	793.3	738.9	646.3	625.0	544.1	588.2	700.7	681.6	672.0
57.5°	777.9	776.4	800.7	773.5	693.3	672.0	603.6	647.8	758.0	733.0	728.6
60°	739.7	744.1	778.6	783.8	730.1	714.7	655.1	732.3	813.9	786.7	786.7
62.5°	686.7	699.2	747.7	787.5	733.8	756.6	708.8	804.4	874.9	849.9	858.0
65°	626.4	626.4	682.3	757.3	722.0	784.5	768.3	883.0	928.6	913.9	930.8
67.5°	544.1	545.6	603.6	698.5	700.7	798.5	816.1	944.8	984.5	973.5	986.0
70°	461.7	462.5	511.0	617.6	653.6	793.3	857.3	986.0	1011.7	1013.2	1019.1
72.5°	345.6	358.1	403.7	501.4	572.0	772.0	878.6	997.7	1011.0	1013.2	994.1
75°	186.0	191.9	242.6	326.5	425.0	684.5	872.0	985.2	975.7	949.9	899.9
77.5°	64.7	67.6	85.3	142.6	241.2	484.5	808.8	930.8	899.9	819.1	745.5
80°	41.9	41.9	46.3	68.4	109.6	229.4	627.9	797.7	725.0	552.2	483.8
82.5°	29.4	30.1	33.8	45.6	70.6	98.5	326.5	405.1	399.2	275.0	231.6
85°	21.3	22.1	23.5	26.5	48.5	61.0	127.2	194.8	180.1	98.5	92.6
87.5°	9.6	11.0	9.6	11.8	19.1	37.5	61.0	60.3	57.3	65.4	66.9
90°	7.4	7.4	5.9	6.6	13.2	33.8	56.6	54.4	58.1	71.3	70.6
92.5°	7.4	7.4	5.9	6.6	12.5	33.8	59.6	52.9	60.3	76.5	77.2
95°	7.4	8.1	5.9	5.9	10.3	34.6	63.2	56.6	64.0	83.1	83.1
97.5°	6.6	6.6	4.4	5.1	8.1	31.6	63.2	48.5	47.1	66.9	66.2
100°	5.1	5.9	2.9	4.4	5.9	19.1	47.1	30.1	13.2	15.4	23.5
102.5°	5.1	5.1	2.9	3.7	4.4	8.1	25.0	17.6	3.7	5.1	5.1
105°	5.1	5.9	2.9	2.9	2.9	3.7	11.8	8.8	2.9	4.4	5.1
107.5°	5.9	5.9	2.2	2.2	2.2	2.2	4.4	3.7	2.9	5.1	5.9
110°	5.9	5.9	2.2	2.2	1.5	1.5	2.2	2.2	2.9	5.1	5.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	5.1	5.1	2.2	2.2	1.5	1.5	1.5	2.2	2.9	4.4	5.1
115°	3.7	3.7	1.5	2.2	1.5	1.5	1.5	2.2	2.2	3.7	4.4
117.5°	3.7	2.9	1.5	1.5	0.7	1.5	1.5	2.2	2.9	5.1	5.1
120°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	1.5	3.7	5.9	6.6
122.5°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	1.5	3.7	5.9	6.6
125°	4.4	3.7	2.2	0.7	0.7	0.7	0.7	0.7	2.9	5.1	5.9
127.5°	3.7	3.7	2.2	0.7	0.7	0.7	0.7	0.7	2.2	4.4	5.1
130°	3.7	3.7	2.2	0.7	0.7	0.7	0.7	0.7	2.2	3.7	3.7
132.5°	2.9	2.9	2.2	0.7	0.7	0.7	0.7	0.7	1.5	2.9	2.9
135°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	0.7	0.7	2.2	2.2
137.5°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
140°	0.0	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.0	0.0	0.0	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°	2.2	2.2	2.2	1.5	1.5	0.7	1.5	0.7	0.7	0.7	0.7
152.5°	2.2	2.2	2.9	1.5	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°	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.7	0.7	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	208.1	209.5	210.3	212.5	212.5	212.5	207.3	194.8	194.8	195.6	196.3
5°	205.1	206.6	209.5	199.3	189.0	188.2	191.9	194.1	194.8	195.6	194.1
7.5°	181.6	184.5	183.1	183.8	189.0	194.1	198.5	195.6	188.2	183.1	184.5
10°	161.8	164.7	148.5	150.0	155.9	170.6	194.8	202.9	208.1	210.3	210.3
12.5°	141.9	144.1	130.1	150.7	140.4	163.2	189.7	209.5	189.7	181.6	181.6
15°	162.5	166.9	150.0	133.8	136.8	165.4	145.6	200.0	205.9	207.3	208.8
17.5°	139.0	136.0	139.0	141.2	153.7	128.7	166.9	188.2	176.5	172.0	174.3
20°	175.0	177.9	162.5	139.0	140.4	164.0	148.5	168.4	200.7	201.5	202.9
22.5°	133.1	136.8	145.6	165.4	144.8	158.8	156.6	175.0	164.0	164.7	170.6
25°	195.6	198.5	183.1	147.8	158.1	143.4	158.1	155.9	183.8	185.3	185.3
27.5°	239.7	233.1	200.0	166.9	139.0	151.5	142.6	148.5	141.9	161.8	164.7
30°	285.3	285.3	259.5	186.0	147.0	128.7	130.1	141.2	157.3	160.3	160.3
32.5°	299.2	298.5	265.4	201.5	144.8	133.1	119.8	133.1	161.0	175.0	176.5
35°	319.1	316.2	275.7	196.3	139.7	121.3	113.2	133.8	154.4	156.6	155.1
37.5°	344.1	336.7	288.2	186.8	127.9	114.0	108.8	120.6	138.2	138.2	138.2
40°	375.0	363.2	292.6	173.5	115.4	104.4	99.3	111.8	123.5	116.9	114.7
42.5°	416.9	399.2	296.3	164.0	104.4	96.3	89.7	101.5	107.3	103.7	102.2
45°	455.9	429.4	302.2	153.7	95.6	89.0	83.1	93.4	97.8	94.1	93.4
47.5°	502.2	466.9	302.9	144.1	89.0	83.1	78.7	87.5	90.4	90.4	89.7
50°	550.0	502.9	308.8	136.0	82.3	77.2	76.5	83.1	85.3	83.8	83.1
52.5°	604.4	543.3	311.0	125.7	74.3	70.6	74.3	78.7	85.3	86.0	86.0
55°	662.5	580.8	309.5	111.8	68.4	66.9	72.1	81.6	87.5	83.1	82.3
57.5°	719.1	618.3	310.3	96.3	62.5	65.4	72.8	85.3	89.7	84.6	82.3
60°	769.8	652.2	300.0	82.3	58.1	61.8	75.7	89.0	87.5	89.0	86.8
62.5°	832.3	687.5	270.6	73.5	54.4	60.3	75.7	91.2	85.3	91.2	91.2
65°	883.8	713.9	228.7	66.2	51.5	60.3	76.5	91.9	83.1	92.6	92.6
67.5°	905.8	713.2	165.4	60.3	47.8	58.8	76.5	94.8	85.3	95.6	94.8
70°	897.0	688.9	116.9	55.9	45.6	59.6	79.4	97.1	87.5	101.5	100.7
72.5°	837.4	631.6	84.6	52.2	42.6	56.6	81.6	100.0	89.7	110.3	110.3
75°	737.5	527.9	68.4	48.5	39.7	55.9	82.3	101.5	91.2	111.8	111.8
77.5°	563.9	379.4	57.3	44.9	36.8	54.4	81.6	103.7	90.4	111.8	111.8
80°	338.2	216.2	47.8	40.4	37.5	53.7	83.1	103.7	90.4	110.3	110.3
82.5°	155.9	99.3	42.6	33.8	35.3	52.9	84.6	102.2	86.8	110.3	105.9
85°	86.8	69.8	36.8	28.7	31.6	50.0	80.1	91.9	77.9	91.2	89.7
87.5°	64.7	54.4	23.5	14.7	20.6	35.3	61.8	72.8	58.8	70.6	69.8
90°	69.1	57.3	21.3	14.7	22.1	32.4	58.1	64.7	54.4	65.4	64.7
92.5°	74.3	60.3	21.3	15.4	25.0	35.3	58.1	63.2	53.7	59.6	60.3
95°	77.9	62.5	20.6	16.9	26.5	38.2	56.6	58.1	49.3	51.5	53.7
97.5°	61.0	47.1	18.4	17.6	25.7	30.9	46.3	45.6	33.8	31.6	31.6
100°	19.1	13.2	16.2	18.4	15.4	14.7	27.2	32.4	19.9	13.2	12.5
102.5°	5.9	5.1	14.7	17.6	11.8	6.6	14.7	20.6	14.7	2.2	2.9
105°	5.9	5.9	9.6	14.7	8.1	2.9	5.9	11.0	8.8	2.2	2.2
107.5°	5.9	5.1	3.7	8.1	2.9	2.2	2.9	2.9	2.9	2.2	2.2
110°	5.9	5.9	2.9	2.9	2.2	2.2	2.2	1.5	1.5	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.9	2.9	2.9	2.2	2.2	1.5	1.5	2.2	5.1	5.1
115°	5.1	5.1	2.9	2.2	1.5	2.2	1.5	1.5	2.2	5.9	5.9
117.5°	5.9	5.9	2.9	2.2	1.5	1.5	1.5	0.7	2.2	6.6	7.4
120°	7.4	6.6	3.7	1.5	1.5	1.5	1.5	1.5	2.9	5.9	6.6
122.5°	7.4	7.4	3.7	1.5	0.7	0.7	0.7	1.5	2.9	5.9	6.6
125°	6.6	6.6	3.7	1.5	0.7	0.7	0.7	0.7	2.9	5.1	5.1
127.5°	5.9	5.9	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	3.7	4.4
132.5°	3.7	3.7	2.2	1.5	0.7	0.7	0.7	0.7	2.2	2.9	3.7
135°	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9
137.5°	1.5	1.5	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	0.0	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	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	0.7	0.7	0.7	1.5	1.5	2.2	1.5
152.5°	0.7	0.7	0.7	1.5	0.7	0.0	0.0	1.5	1.5	2.2	2.2
155°	2.2	2.2	1.5	0.7	0.7	0.0	0.0	0.0	1.5	1.5	1.5
157.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	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

(END OF REPORT)