

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: P560124

Luminaire Tested: **SDL-PA1-20-830-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560124
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-PA1-20-830-U-T3-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 2050.2 lumens
Efficiency: N/A
Efficacy: 97.6 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



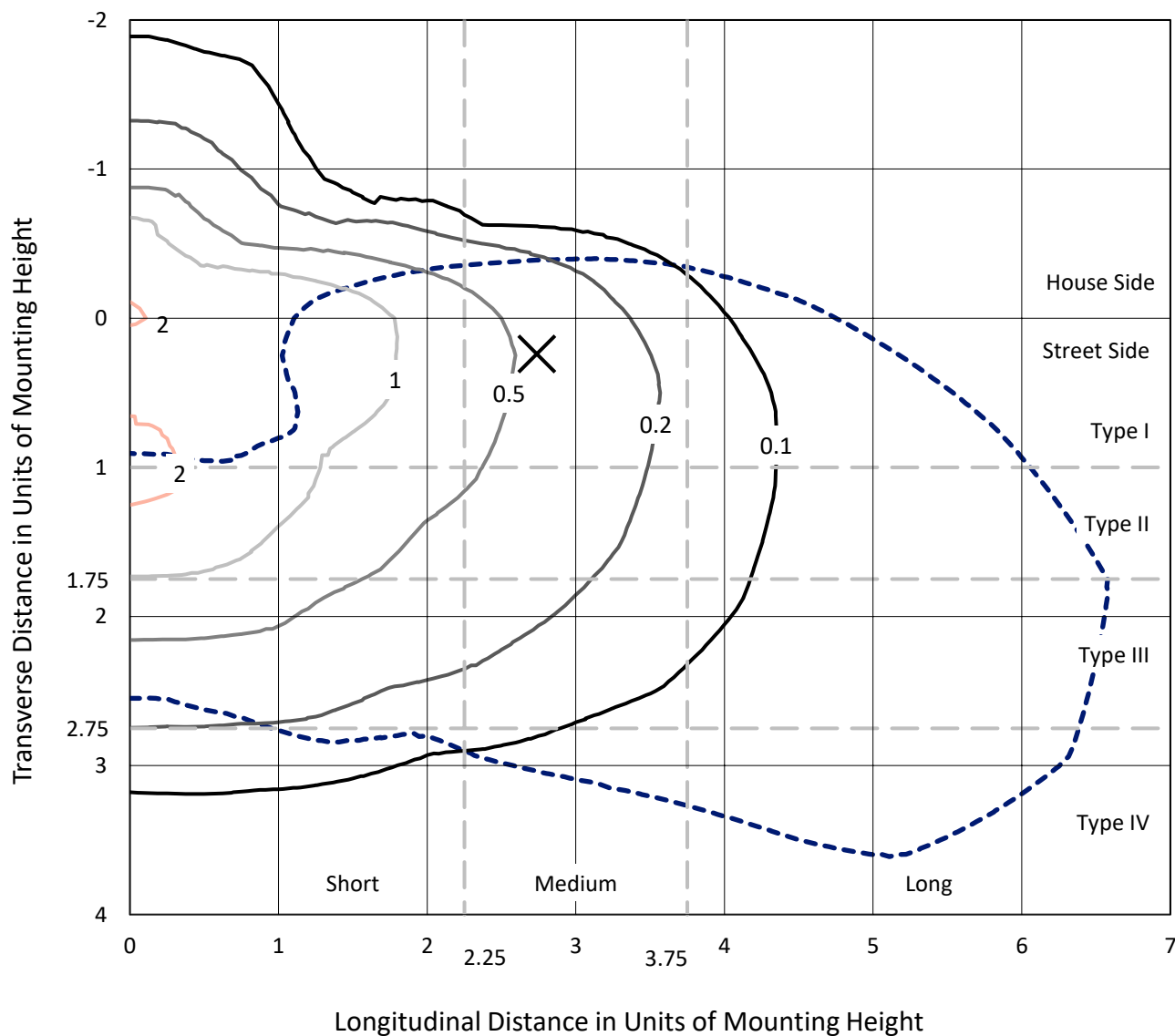
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

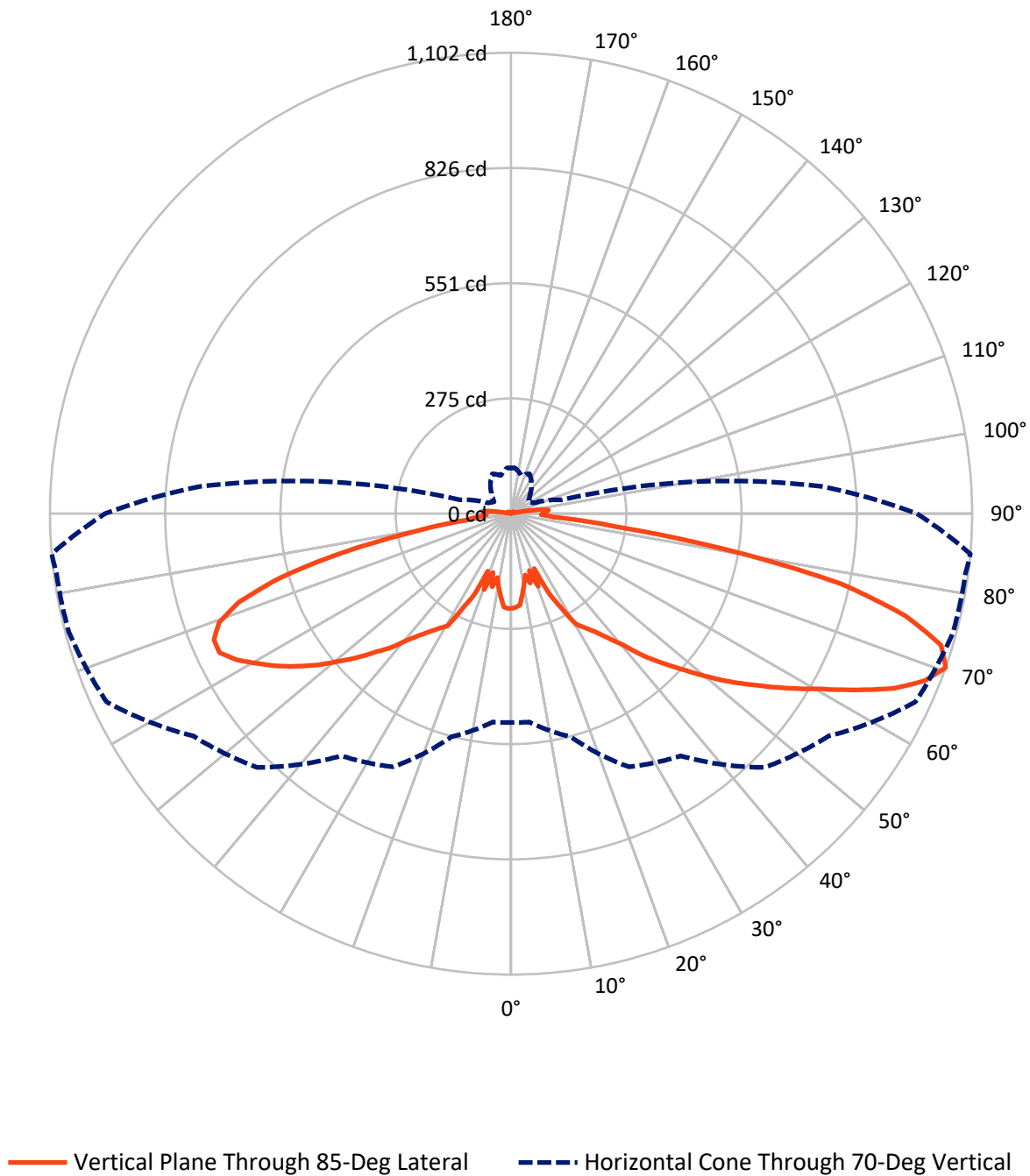


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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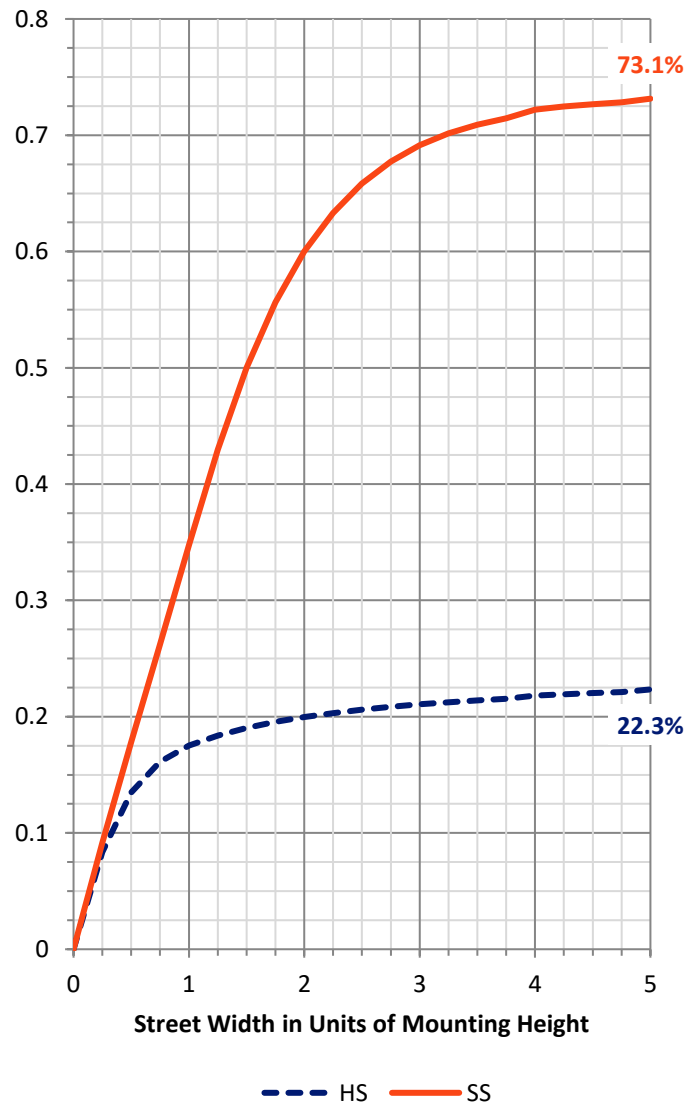
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.0	31.1	513.1
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1510.9	26.3	1537.1
	% Fixture	73.7	1.3	75.0
Total	Lumens	1992.9	57.4	2050.2
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.9
10°-20°	45.2	2.2
20°-30°	82.4	4.0
30°-40°	155.8	7.6
40°-50°	260.3	12.7
50°-60°	406.3	19.8
60°-70°	503.8	24.6
70°-80°	411.6	20.1
80°-90°	109.0	5.3
90°-100°	41.4	2.0
100°-110°	8.8	0.4
110°-120°	2.9	0.1
120°-130°	2.2	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°	1992.9	97.2
0°-180°	2050.2	100.0

Coefficient of Utilization



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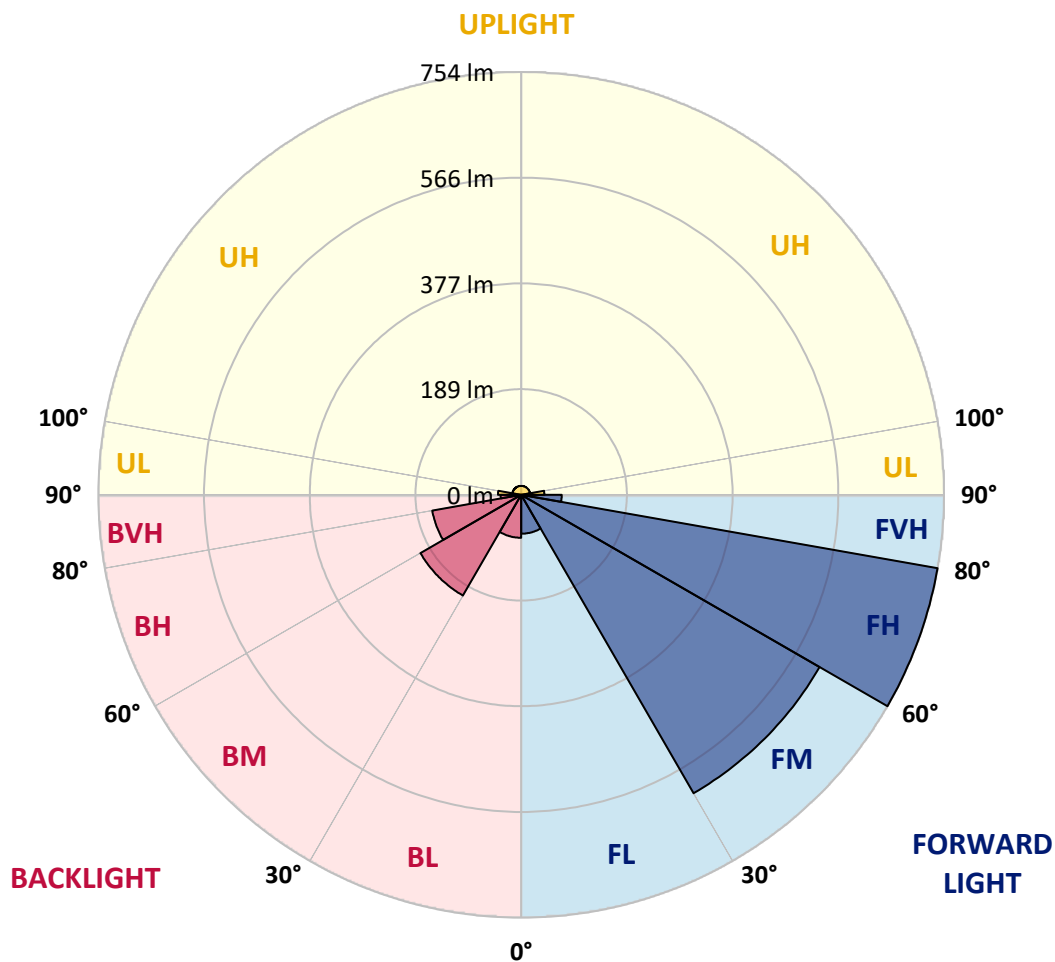
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.4	3.4			
FM	(30°-60°)	614.7	30.0			
FH	(60°-80°)	754.4	36.8			G1/1800
FVH	(80°-90°)	72.3	3.5			G1/100
BL	(0°-30°)	76.7	3.7	B0/110		
BM	(30°-60°)	207.6	10.1	B0/220		
BH	(60°-80°)	161.1	7.9	B1/500		G1/500
BVH	(80°-90°)	36.7	1.8			G1/100
UL	(90°-100°)	41.4	2.0		U2/50	
UH	(100°-180°)	16.0	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°	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5
2.5°	187.6	205.8	202.7	208.2	211.4	216.2	219.4	220.9	222.5	224.1	224.1
5°	174.1	174.9	175.6	176.4	178.0	180.4	182.8	208.2	216.2	219.4	219.4
7.5°	159.0	158.2	161.3	165.3	170.9	174.1	176.4	177.2	186.0	193.1	194.7
10°	158.2	159.0	159.0	160.5	151.0	150.2	139.1	139.9	151.8	170.1	170.9
12.5°	137.5	141.5	150.2	156.6	147.0	131.9	129.5	135.9	127.2	149.4	150.2
15°	153.4	152.6	152.6	146.2	124.0	130.3	116.0	120.8	147.8	168.5	172.5
17.5°	133.5	131.9	147.8	143.1	128.8	108.9	130.3	128.8	133.5	145.4	143.1
20°	167.7	166.1	162.9	124.0	130.3	136.7	132.7	124.0	156.6	174.9	185.2
22.5°	156.6	158.2	166.1	157.4	134.3	140.7	125.6	152.6	147.8	140.7	142.3
25°	213.8	212.2	204.3	154.2	160.5	131.1	153.4	135.9	187.6	208.2	209.8
27.5°	197.1	194.7	189.2	193.9	162.9	171.7	149.4	178.0	207.4	244.0	255.1
30°	261.5	259.1	252.7	195.5	193.9	170.1	181.2	218.6	279.8	307.6	306.8
32.5°	337.0	319.5	280.6	250.4	207.4	220.9	207.4	257.5	298.0	325.1	325.1
35°	383.1	379.9	359.2	290.9	241.6	240.8	238.4	283.7	329.0	348.1	346.5
37.5°	422.0	427.6	412.5	337.0	272.6	279.0	267.0	319.5	367.2	378.3	376.7
40°	476.1	474.5	466.5	376.7	310.8	310.0	301.2	362.4	409.3	417.3	413.3
42.5°	556.3	547.6	523.8	430.0	351.3	351.3	335.4	403.0	461.0	461.8	464.2
45°	654.9	650.9	608.8	512.6	403.7	403.0	376.7	445.9	513.4	517.4	510.3
47.5°	723.3	711.3	690.7	588.1	484.8	466.5	426.8	488.0	576.2	573.0	558.7
50°	790.8	781.3	762.2	670.8	569.1	532.5	473.7	531.7	636.6	627.9	614.4
52.5°	848.8	836.1	815.4	738.4	643.0	614.4	527.7	571.4	697.8	683.5	670.8
55°	882.2	856.0	857.6	798.8	698.6	675.6	588.1	635.8	757.4	736.8	726.4
57.5°	840.9	839.3	865.5	836.1	749.5	726.4	652.5	700.2	819.4	792.4	787.6
60°	799.6	804.3	841.7	847.2	789.2	772.5	708.2	791.6	879.8	850.4	850.4
62.5°	742.3	755.8	808.3	851.2	793.2	817.8	766.2	869.5	945.8	918.8	927.5
65°	677.2	677.2	737.6	818.6	780.5	848.0	830.5	954.5	1003.8	987.9	1006.2
67.5°	588.1	589.7	652.5	755.0	757.4	863.1	882.2	1021.3	1064.2	1052.3	1065.8
70°	499.1	499.9	552.4	667.6	706.6	857.6	926.7	1065.8	1093.6	1095.2	1101.6
72.5°	373.5	387.1	436.3	542.0	618.3	834.5	949.8	1078.5	1092.8	1095.2	1074.5
75°	201.1	207.4	262.3	352.9	459.4	739.9	942.6	1065.0	1054.7	1026.9	972.8
77.5°	69.9	73.1	92.2	154.2	260.7	523.8	874.3	1006.2	972.8	885.4	805.9
80°	45.3	45.3	50.1	73.9	118.4	248.0	678.7	862.3	783.7	596.9	523.0
82.5°	31.8	32.6	36.6	49.3	76.3	106.5	352.9	437.9	431.6	297.2	250.4
85°	23.0	23.8	25.4	28.6	52.5	66.0	137.5	210.6	194.7	106.5	100.1
87.5°	10.3	11.9	10.3	12.7	20.7	40.5	66.0	65.2	62.0	70.7	72.3
90°	7.9	7.9	6.4	7.2	14.3	36.6	61.2	58.8	62.8	77.1	76.3
92.5°	7.9	7.9	6.4	7.2	13.5	36.6	64.4	57.2	65.2	82.7	83.5
95°	7.9	8.7	6.4	6.4	11.1	37.4	68.4	61.2	69.1	89.8	89.8
97.5°	7.2	7.2	4.8	5.6	8.7	34.2	68.4	52.5	50.9	72.3	71.5
100°	5.6	6.4	3.2	4.8	6.4	20.7	50.9	32.6	14.3	16.7	25.4
102.5°	5.6	5.6	3.2	4.0	4.8	8.7	27.0	19.1	4.0	5.6	5.6
105°	5.6	6.4	3.2	3.2	3.2	4.0	12.7	9.5	3.2	4.8	5.6
107.5°	6.4	6.4	2.4	2.4	2.4	2.4	4.8	4.0	3.2	5.6	6.4
110°	6.4	6.4	2.4	2.4	1.6	1.6	2.4	2.4	3.2	5.6	6.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	5.6	5.6	2.4	2.4	1.6	1.6	1.6	2.4	3.2	4.8	5.6
115°	4.0	4.0	1.6	2.4	1.6	1.6	1.6	2.4	2.4	4.0	4.8
117.5°	4.0	3.2	1.6	1.6	0.8	1.6	1.6	2.4	3.2	5.6	5.6
120°	4.0	4.0	1.6	0.8	0.8	0.8	0.8	1.6	4.0	6.4	7.2
122.5°	4.0	4.0	1.6	0.8	0.8	0.8	0.8	1.6	4.0	6.4	7.2
125°	4.8	4.0	2.4	0.8	0.8	0.8	0.8	0.8	3.2	5.6	6.4
127.5°	4.0	4.0	2.4	0.8	0.8	0.8	0.8	0.8	2.4	4.8	5.6
130°	4.0	4.0	2.4	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.0
132.5°	3.2	3.2	2.4	0.8	0.8	0.8	0.8	0.8	1.6	3.2	3.2
135°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	0.8	0.8	2.4	2.4
137.5°	1.6	1.6	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	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
150°	2.4	2.4	2.4	1.6	1.6	0.8	1.6	0.8	0.8	0.8	0.8
152.5°	2.4	2.4	3.2	1.6	0.8	0.8	0.8	1.6	0.8	0.8	0.8
155°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
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°	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5	226.5
2.5°	224.9	226.5	227.3	229.7	229.7	229.7	224.1	210.6	210.6	211.4	212.2
5°	221.7	223.3	226.5	215.4	204.3	203.5	207.4	209.8	210.6	211.4	209.8
7.5°	196.3	199.5	197.9	198.7	204.3	209.8	214.6	211.4	203.5	197.9	199.5
10°	174.9	178.0	160.5	162.1	168.5	184.4	210.6	219.4	224.9	227.3	227.3
12.5°	153.4	155.8	140.7	162.9	151.8	176.4	205.1	226.5	205.1	196.3	196.3
15°	175.6	180.4	162.1	144.7	147.8	178.8	157.4	216.2	222.5	224.1	225.7
17.5°	150.2	147.0	150.2	152.6	166.1	139.1	180.4	203.5	190.7	186.0	188.4
20°	189.2	192.3	175.6	150.2	151.8	177.2	160.5	182.0	217.0	217.8	219.4
22.5°	143.9	147.8	157.4	178.8	156.6	171.7	169.3	189.2	177.2	178.0	184.4
25°	211.4	214.6	197.9	159.8	170.9	155.0	170.9	168.5	198.7	200.3	200.3
27.5°	259.1	251.9	216.2	180.4	150.2	163.7	154.2	160.5	153.4	174.9	178.0
30°	308.4	308.4	280.6	201.1	159.0	139.1	140.7	152.6	170.1	173.3	173.3
32.5°	323.5	322.7	286.9	217.8	156.6	143.9	129.5	143.9	174.1	189.2	190.7
35°	344.9	341.8	298.0	212.2	151.0	131.1	122.4	144.7	166.9	169.3	167.7
37.5°	372.0	364.0	311.6	201.9	138.3	123.2	117.6	130.3	149.4	149.4	149.4
40°	405.3	392.6	316.3	187.6	124.8	112.9	107.3	120.8	133.5	126.4	124.0
42.5°	450.6	431.6	320.3	177.2	112.9	104.1	97.0	109.7	116.0	112.1	110.5
45°	492.8	464.2	326.7	166.1	103.3	96.2	89.8	100.9	105.7	101.7	100.9
47.5°	542.8	504.7	327.5	155.8	96.2	89.8	85.0	94.6	97.8	97.8	97.0
50°	594.5	543.6	333.8	147.0	89.0	83.5	82.7	89.8	92.2	90.6	89.8
52.5°	653.3	587.3	336.2	135.9	80.3	76.3	80.3	85.0	92.2	93.0	93.0
55°	716.1	627.9	334.6	120.8	73.9	72.3	77.9	88.2	94.6	89.8	89.0
57.5°	777.3	668.4	335.4	104.1	67.6	70.7	78.7	92.2	97.0	91.4	89.0
60°	832.1	705.0	324.3	89.0	62.8	66.8	81.9	96.2	94.6	96.2	93.8
62.5°	899.7	743.1	292.5	79.5	58.8	65.2	81.9	98.6	92.2	98.6	98.6
65°	955.3	771.7	247.2	71.5	55.6	65.2	82.7	99.3	89.8	100.1	100.1
67.5°	979.2	770.9	178.8	65.2	51.7	63.6	82.7	102.5	92.2	103.3	102.5
70°	969.6	744.7	126.4	60.4	49.3	64.4	85.8	104.9	94.6	109.7	108.9
72.5°	905.3	682.7	91.4	56.4	46.1	61.2	88.2	108.1	97.0	119.2	119.2
75°	797.2	570.7	73.9	52.5	42.9	60.4	89.0	109.7	98.6	120.8	120.8
77.5°	609.6	410.1	62.0	48.5	39.7	58.8	88.2	112.1	97.8	120.8	120.8
80°	365.6	233.7	51.7	43.7	40.5	58.0	89.8	112.1	97.8	119.2	119.2
82.5°	168.5	107.3	46.1	36.6	38.1	57.2	91.4	110.5	93.8	119.2	114.4
85°	93.8	75.5	39.7	31.0	34.2	54.0	86.6	99.3	84.2	98.6	97.0
87.5°	69.9	58.8	25.4	15.9	22.3	38.1	66.8	78.7	63.6	76.3	75.5
90°	74.7	62.0	23.0	15.9	23.8	35.0	62.8	69.9	58.8	70.7	69.9
92.5°	80.3	65.2	23.0	16.7	27.0	38.1	62.8	68.4	58.0	64.4	65.2
95°	84.2	67.6	22.3	18.3	28.6	41.3	61.2	62.8	53.3	55.6	58.0
97.5°	66.0	50.9	19.9	19.1	27.8	33.4	50.1	49.3	36.6	34.2	34.2
100°	20.7	14.3	17.5	19.9	16.7	15.9	29.4	35.0	21.5	14.3	13.5
102.5°	6.4	5.6	15.9	19.1	12.7	7.2	15.9	22.3	15.9	2.4	3.2
105°	6.4	6.4	10.3	15.9	8.7	3.2	6.4	11.9	9.5	2.4	2.4
107.5°	6.4	5.6	4.0	8.7	3.2	2.4	3.2	3.2	3.2	2.4	2.4
110°	6.4	6.4	3.2	3.2	2.4	2.4	2.4	1.6	1.6	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.4	6.4	3.2	3.2	2.4	2.4	1.6	1.6	2.4	5.6	5.6
115°	5.6	5.6	3.2	2.4	1.6	2.4	1.6	1.6	2.4	6.4	6.4
117.5°	6.4	6.4	3.2	2.4	1.6	1.6	1.6	0.8	2.4	7.2	7.9
120°	7.9	7.2	4.0	1.6	1.6	1.6	1.6	1.6	3.2	6.4	7.2
122.5°	7.9	7.9	4.0	1.6	0.8	0.8	0.8	1.6	3.2	6.4	7.2
125°	7.2	7.2	4.0	1.6	0.8	0.8	0.8	0.8	3.2	5.6	5.6
127.5°	6.4	6.4	3.2	1.6	0.8	0.8	0.8	0.8	2.4	4.8	5.6
130°	4.8	4.8	2.4	1.6	0.8	0.8	0.8	0.8	2.4	4.0	4.8
132.5°	4.0	4.0	2.4	1.6	0.8	0.8	0.8	0.8	2.4	3.2	4.0
135°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
137.5°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
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	1.6	1.6	2.4	1.6
152.5°	0.8	0.8	0.8	1.6	0.8	0.0	0.0	1.6	1.6	2.4	2.4
155°	2.4	2.4	1.6	0.8	0.8	0.0	0.0	0.0	1.6	1.6	1.6
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)