

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: P560010

Luminaire Tested: **SDL-PA1-20-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560010
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-PA1-20-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 2385.1 lumens
Efficiency: N/A
Efficacy: 113.6 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



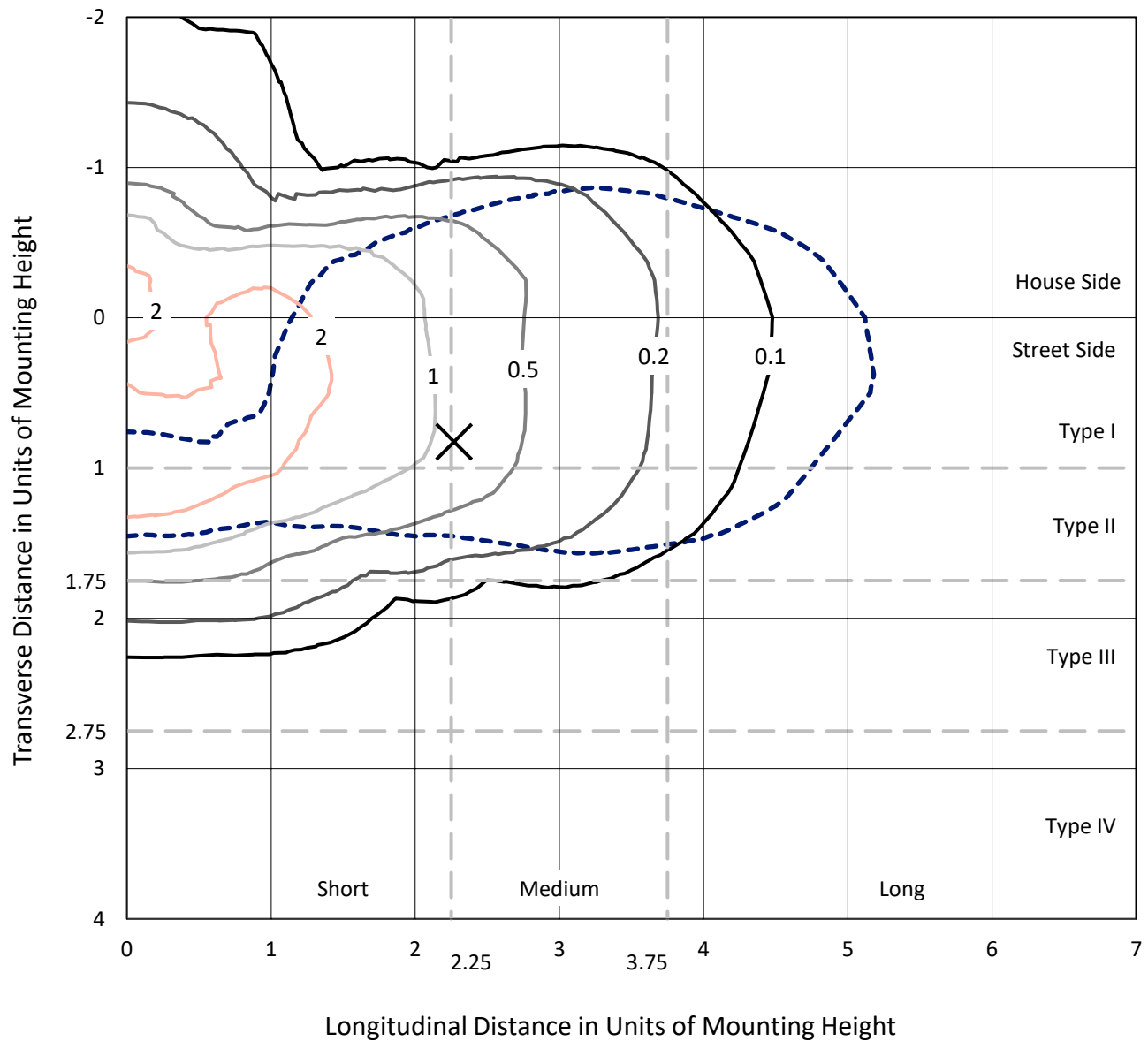
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



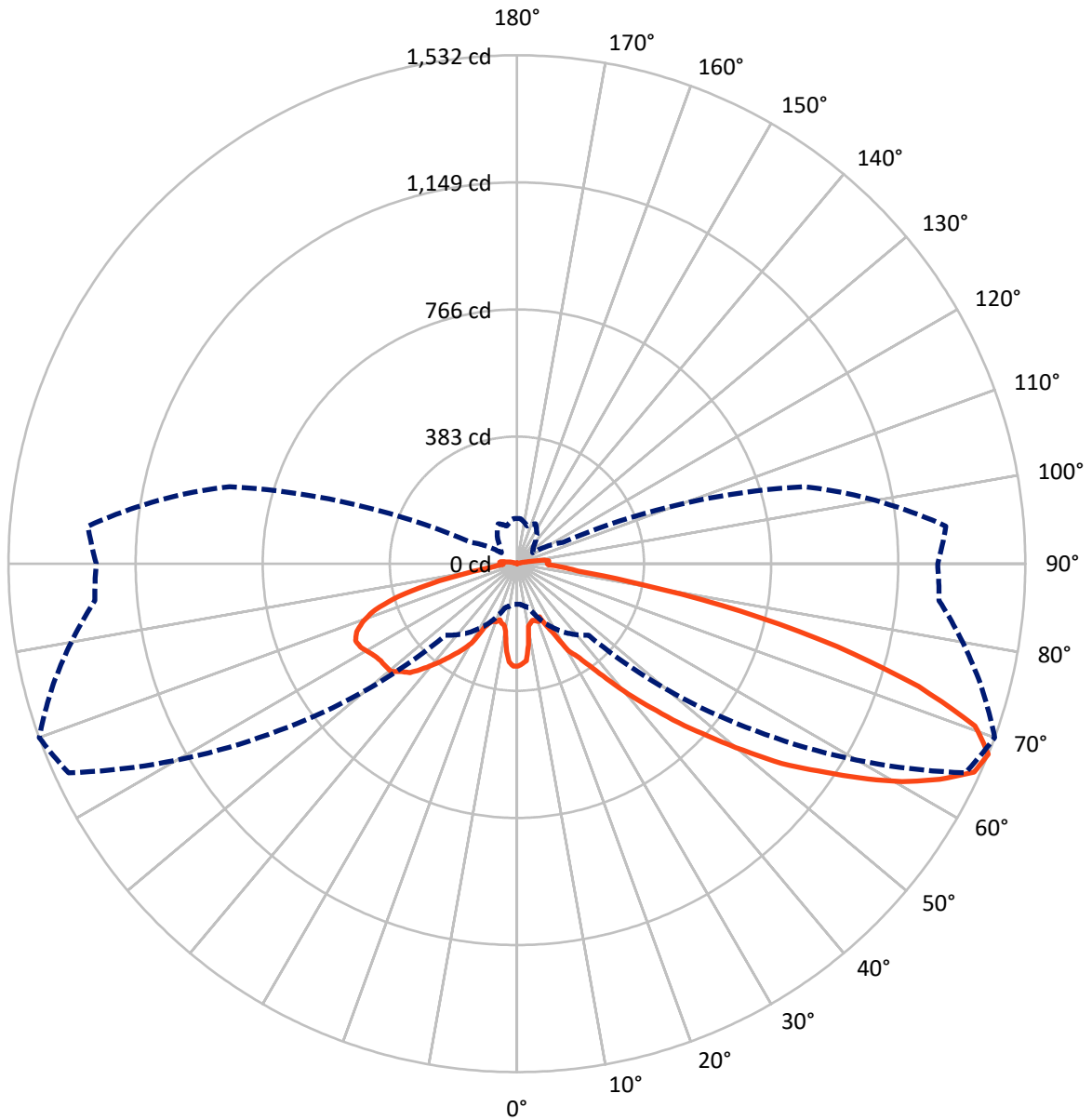
Based on 10 foot mounting height. Maximum calculated value = 4 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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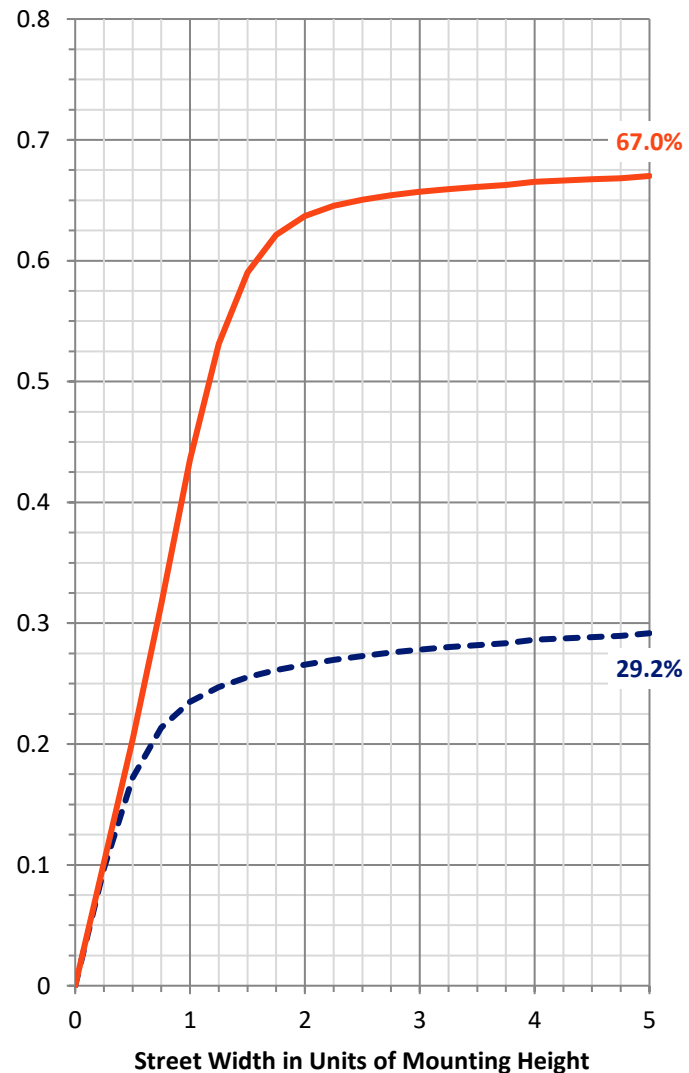
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.4	28.1	745.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1612.4	27.2	1639.6
	% Fixture	67.6	1.1	68.7
Total	Lumens	2329.8	55.3	2385.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.7	1.0
10°-20°	57.2	2.4
20°-30°	101.5	4.3
30°-40°	213.9	9.0
40°-50°	399.9	16.8
50°-60°	553.8	23.2
60°-70°	534.0	22.4
70°-80°	351.1	14.7
80°-90°	93.6	3.9
90°-100°	38.4	1.6
100°-110°	8.4	0.4
110°-120°	3.6	0.2
120°-130°	2.6	0.1
130°-140°	1.2	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2329.8	97.7
0°-180°	2385.1	100.0



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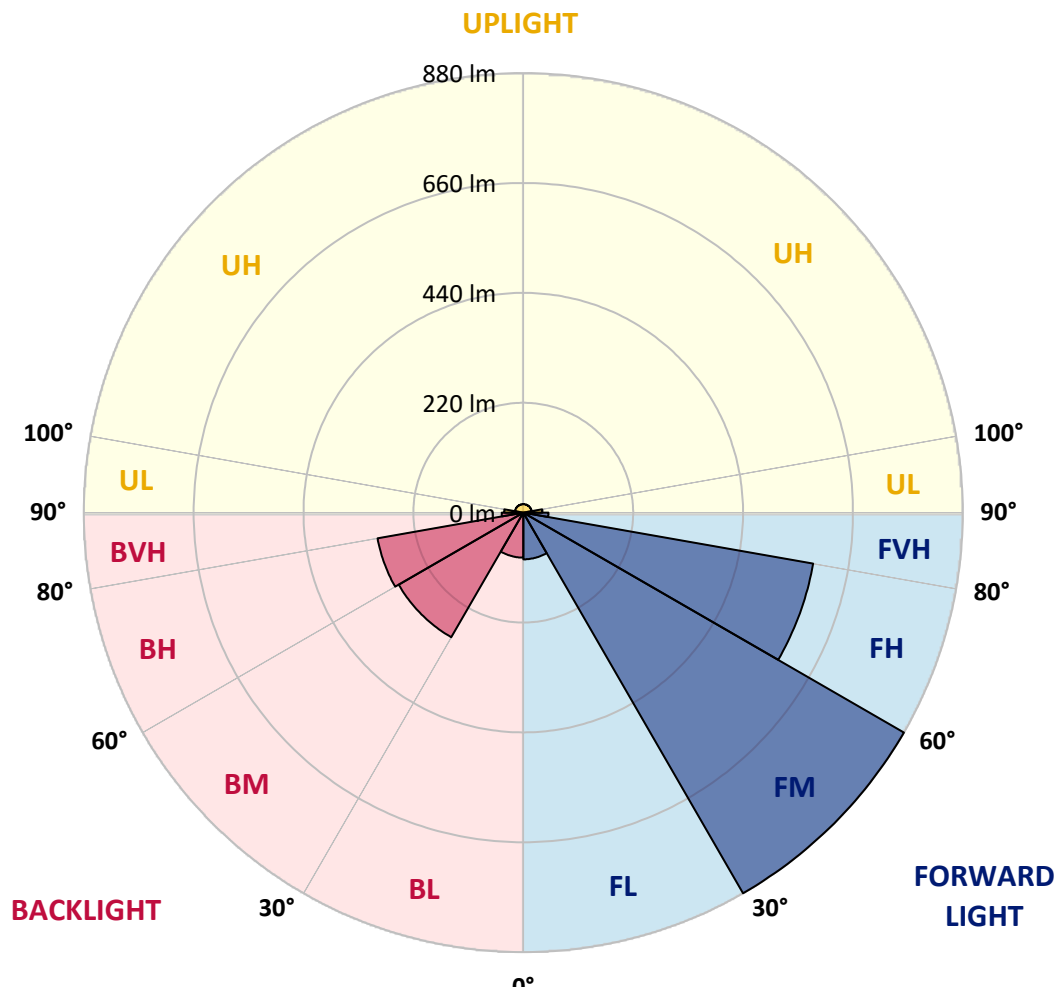
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.5	3.9			
FM	(30°-60°)	879.6	36.9			
FH	(60°-80°)	589.0	24.7			G0/660
FVH	(80°-90°)	50.3	2.1			G1/100
BL	(0°-30°)	90.0	3.8	B0/110		
BM	(30°-60°)	288.0	12.1	B1/1000		
BH	(60°-80°)	296.1	12.4	B1/500		G1/500
BVH	(80°-90°)	43.2	1.8			G1/100
UL	(90°-100°)	38.4	1.6		U2/50	
UH	(100°-180°)	16.9	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°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7
2.5°	257.7	278.6	272.3	292.3	296.8	301.4	302.3	303.2	302.3	303.2	305.0
5°	243.1	244.0	244.9	246.8	246.8	248.6	252.2	290.5	294.1	296.8	300.5
7.5°	203.1	212.2	229.5	235.8	238.6	242.2	244.0	244.0	247.7	256.8	263.2
10°	225.8	224.0	224.9	225.8	213.1	210.3	191.2	188.5	191.2	197.6	227.6
12.5°	189.4	198.5	217.6	222.2	206.7	183.0	180.3	183.9	183.0	164.8	193.0
15°	219.4	218.5	216.7	213.1	173.0	181.2	155.7	157.5	176.6	189.4	215.8
17.5°	191.2	190.3	215.8	208.5	182.1	141.1	177.6	164.8	180.3	166.6	178.5
20°	237.7	236.7	234.0	173.9	185.8	187.6	172.1	159.3	185.8	192.1	216.7
22.5°	215.8	215.8	233.1	228.6	188.5	198.5	163.9	193.9	173.9	176.6	163.9
25°	296.8	294.1	290.5	212.2	226.7	182.1	203.1	178.5	207.6	224.9	235.8
27.5°	287.7	282.3	278.6	281.4	227.6	238.6	201.2	222.2	239.5	246.8	275.0
30°	404.3	397.0	386.1	295.0	283.2	244.0	243.1	275.0	303.2	326.0	341.5
32.5°	515.4	517.2	460.7	396.1	313.2	326.0	289.6	322.3	331.4	355.1	364.2
35°	661.1	642.9	607.3	494.4	381.5	368.8	336.9	367.9	377.0	399.7	405.2
37.5°	775.8	776.7	722.1	594.6	457.1	446.2	390.6	422.5	438.9	464.4	455.3
40°	886.0	890.5	846.8	697.5	552.7	522.7	455.3	492.6	515.4	530.9	515.4
42.5°	984.3	983.4	953.4	811.3	641.9	624.6	523.6	571.8	591.9	606.4	594.6
45°	1061.7	1059.0	1031.7	904.2	747.6	771.2	612.8	662.9	683.8	700.2	671.1
47.5°	1088.1	1073.6	1061.7	971.6	845.9	900.5	723.0	751.2	775.8	804.0	756.7
50°	1059.9	1040.8	1045.3	1003.4	928.8	1008.9	841.4	853.2	883.2	907.8	837.7
52.5°	942.4	937.9	963.4	971.6	964.3	1091.8	974.3	940.6	999.8	1002.5	921.5
55°	787.6	782.2	842.3	876.0	930.6	1124.5	1087.2	1063.5	1101.8	1097.2	996.2
57.5°	634.7	631.0	685.7	741.2	835.9	1106.3	1166.4	1198.3	1217.4	1191.9	1065.4
60°	425.2	432.5	526.3	601.0	683.8	997.1	1196.5	1324.0	1333.1	1278.4	1138.2
62.5°	271.3	281.4	341.5	463.5	510.8	809.5	1174.6	1436.0	1430.5	1356.7	1205.6
65°	173.9	177.6	206.7	314.1	366.0	536.3	1077.2	1512.4	1513.4	1426.8	1259.3
67.5°	122.0	122.9	136.6	195.8	253.1	305.0	876.0	1490.6	1531.6	1450.5	1276.6
70°	109.3	110.2	113.8	132.9	192.1	189.4	530.9	1332.2	1464.2	1419.6	1250.2
72.5°	97.4	98.3	104.7	115.6	147.5	148.4	254.0	1060.8	1265.7	1309.4	1171.9
75°	81.0	82.9	90.1	108.4	113.8	124.7	170.3	745.7	996.2	1128.2	1079.0
77.5°	68.3	69.2	74.7	92.0	99.3	101.1	145.7	413.4	688.4	830.4	950.6
80°	54.6	54.6	59.2	72.8	82.0	82.9	130.2	218.5	381.5	502.6	661.1
82.5°	35.5	36.4	41.9	54.6	61.0	82.0	115.6	159.3	186.7	242.2	300.5
85°	22.8	22.8	26.4	31.0	36.4	62.8	102.0	132.0	139.3	152.1	136.6
87.5°	10.9	10.9	10.0	11.8	13.7	23.7	71.0	93.8	94.7	92.9	100.2
90°	9.1	9.1	7.3	8.2	9.1	12.7	53.7	92.0	91.1	94.7	103.8
92.5°	10.0	10.0	7.3	8.2	9.1	10.9	39.2	92.9	95.6	100.2	110.2
95°	10.9	10.9	7.3	7.3	8.2	10.0	24.6	80.1	96.5	101.1	113.8
97.5°	10.0	10.0	5.5	6.4	7.3	9.1	15.5	60.1	75.6	79.2	90.1
100°	9.1	9.1	4.6	5.5	6.4	7.3	10.0	31.0	32.8	24.6	34.6
102.5°	8.2	9.1	3.6	4.6	4.6	4.6	6.4	14.6	14.6	8.2	9.1
105°	8.2	9.1	3.6	3.6	2.7	3.6	3.6	5.5	6.4	4.6	7.3
107.5°	9.1	9.1	3.6	3.6	2.7	2.7	2.7	3.6	4.6	3.6	7.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.5	5.5	2.7	3.6	1.8	1.8	1.8	2.7	3.6	4.6	10.0
115°	4.6	3.6	1.8	2.7	1.8	1.8	1.8	2.7	2.7	3.6	8.2
117.5°	4.6	3.6	1.8	1.8	0.9	1.8	1.8	2.7	2.7	3.6	7.3
120°	4.6	4.6	1.8	0.9	0.9	0.9	0.9	1.8	2.7	4.6	8.2
122.5°	5.5	4.6	1.8	1.8	0.9	0.9	0.9	1.8	2.7	4.6	8.2
125°	5.5	5.5	2.7	1.8	0.9	0.9	0.9	1.8	2.7	3.6	7.3
127.5°	5.5	4.6	2.7	1.8	0.9	0.9	0.9	0.9	1.8	2.7	6.4
130°	4.6	4.6	2.7	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.6
132.5°	3.6	3.6	2.7	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.6
135°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
137.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
150°	1.8	1.8	3.6	2.7	1.8	0.9	1.8	0.9	0.9	0.9	0.9
152.5°	2.7	2.7	3.6	2.7	0.9	0.9	0.9	1.8	0.9	0.9	0.9
155°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7
157.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	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°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7
2.5°	305.9	305.9	308.7	309.6	308.7	307.8	302.3	285.9	275.9	276.8	276.8
5°	301.4	302.3	305.0	288.6	268.6	270.4	273.2	274.1	274.1	275.9	275.9
7.5°	265.9	266.8	259.5	262.2	268.6	273.2	275.0	270.4	255.9	250.4	250.4
10°	230.4	230.4	204.9	205.8	213.1	226.7	269.5	274.1	278.6	279.5	278.6
12.5°	194.9	195.8	174.8	201.2	192.1	216.7	248.6	275.0	254.0	233.1	235.8
15°	217.6	219.4	196.7	173.0	177.6	214.0	185.8	255.0	256.8	256.8	256.8
17.5°	174.8	184.8	173.9	178.5	196.7	161.2	210.3	233.1	214.0	208.5	208.5
20°	217.6	217.6	198.5	172.1	182.1	209.4	186.7	207.6	244.0	244.0	243.1
22.5°	162.1	162.1	173.9	199.4	183.0	206.7	197.6	214.9	193.9	193.9	199.4
25°	234.0	231.3	211.3	176.6	208.5	191.2	198.5	187.6	219.4	222.2	220.4
27.5°	282.3	280.5	226.7	203.1	195.8	204.0	178.5	174.8	168.5	193.9	191.2
30°	334.2	329.6	296.8	244.9	214.9	172.1	161.2	167.5	185.8	186.7	185.8
32.5°	358.8	348.7	312.3	293.2	219.4	177.6	144.8	149.3	184.8	195.8	195.8
35°	392.5	381.5	340.5	319.6	218.5	156.6	128.4	144.8	166.6	167.5	167.5
37.5°	438.9	422.5	387.9	335.1	204.0	138.4	118.4	128.4	143.9	148.4	150.2
40°	492.6	471.7	440.7	345.1	183.0	116.6	105.6	118.4	130.2	126.6	126.6
42.5°	568.2	537.2	492.6	360.6	156.6	102.9	96.5	108.4	116.6	118.4	117.5
45°	639.2	601.0	553.6	366.0	127.5	92.9	90.1	102.9	111.1	108.4	108.4
47.5°	719.3	671.1	599.1	353.3	104.7	87.4	90.1	99.3	102.9	107.4	107.4
50°	798.6	746.7	665.6	333.3	92.9	83.8	90.1	95.6	102.9	105.6	104.7
52.5°	870.5	825.0	705.7	297.8	86.5	81.0	87.4	95.6	104.7	109.3	109.3
55°	948.8	902.4	742.1	265.9	81.0	75.6	90.1	99.3	102.0	104.7	104.7
57.5°	1008.0	971.6	782.2	237.7	77.4	75.6	92.0	103.8	102.9	105.6	105.6
60°	1079.9	1048.1	818.6	224.0	71.9	71.9	95.6	112.0	104.7	112.9	112.9
62.5°	1156.4	1137.3	854.1	214.0	66.5	70.1	96.5	118.4	108.4	121.1	122.0
65°	1230.2	1233.8	886.9	190.3	61.9	70.1	98.3	126.6	112.0	128.4	130.2
67.5°	1267.5	1297.5	896.0	153.0	57.4	69.2	103.8	132.9	117.5	135.7	136.6
70°	1260.2	1299.4	875.0	112.9	53.7	72.8	112.0	138.4	120.2	144.8	144.8
72.5°	1196.5	1224.7	813.1	85.6	50.1	70.1	113.8	140.2	122.0	159.3	159.3
75°	1106.3	1077.2	669.3	71.0	47.3	70.1	111.1	138.4	120.2	155.7	154.8
77.5°	959.7	862.3	461.7	62.8	44.6	67.4	103.8	134.8	114.7	144.8	146.6
80°	615.5	530.9	235.8	54.6	47.3	64.6	100.2	124.7	106.5	129.3	130.2
82.5°	280.5	235.8	107.4	48.3	46.4	58.3	91.1	111.1	92.9	110.2	109.3
85°	118.4	120.2	84.7	41.0	41.0	45.5	67.4	86.5	71.9	77.4	75.6
87.5°	92.0	88.3	58.3	24.6	26.4	20.0	43.7	61.9	47.3	50.1	49.2
90°	97.4	95.6	61.9	25.5	19.1	11.8	32.8	48.3	35.5	31.9	31.0
92.5°	103.8	102.9	69.2	27.3	19.1	10.0	28.2	39.2	25.5	21.9	20.9
95°	111.1	111.1	75.6	29.1	19.1	10.0	25.5	30.0	19.1	14.6	13.7
97.5°	88.3	90.1	64.6	30.0	18.2	10.0	22.8	24.6	14.6	8.2	8.2
100°	35.5	39.2	35.5	30.0	16.4	8.2	18.2	19.1	10.0	4.6	4.6
102.5°	8.2	10.0	24.6	26.4	12.7	5.5	11.8	11.8	6.4	2.7	2.7
105°	8.2	7.3	16.4	20.9	7.3	3.6	5.5	7.3	3.6	1.8	1.8
107.5°	8.2	8.2	7.3	10.0	3.6	2.7	2.7	2.7	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	10.0	4.6	3.6	2.7	2.7	1.8	1.8	2.7	9.1	9.1
115°	9.1	8.2	4.6	2.7	2.7	2.7	1.8	0.9	2.7	10.0	10.0
117.5°	8.2	7.3	4.6	2.7	1.8	2.7	1.8	0.9	2.7	10.0	10.0
120°	9.1	8.2	4.6	2.7	1.8	1.8	1.8	0.9	2.7	9.1	9.1
122.5°	9.1	9.1	5.5	1.8	1.8	0.9	1.8	0.9	2.7	8.2	8.2
125°	8.2	7.3	4.6	1.8	0.9	0.9	0.9	0.9	3.6	7.3	8.2
127.5°	7.3	6.4	3.6	1.8	0.9	0.9	0.9	0.9	2.7	5.5	6.4
130°	5.5	5.5	2.7	1.8	0.9	0.9	0.9	0.9	2.7	5.5	4.6
132.5°	3.6	3.6	2.7	1.8	0.9	0.9	0.9	0.9	2.7	3.6	3.6
135°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	1.8	0.9	0.9	1.8	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	2.7	2.7	1.8
155°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.9	0.0
160°	0.0	0.0	0.9	0.9	0.9	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



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110°	8.2	8.2	2.7	3.6	1.8	1.8	1.8	2.7	3.6	8.2
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110°	9.1	8.2	3.6	3.6	2.7	2.7	1.8	1.8	0.9	5.5	6.4
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(END OF REPORT)