

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: P560014

Luminaire Tested: **SDL-PA1-20-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560014
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-PA1-20-730-U-T3-A
Description: Springdale
(1) 70 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: 2349.6 lumens
Efficiency: N/A
Efficacy: 111.9 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



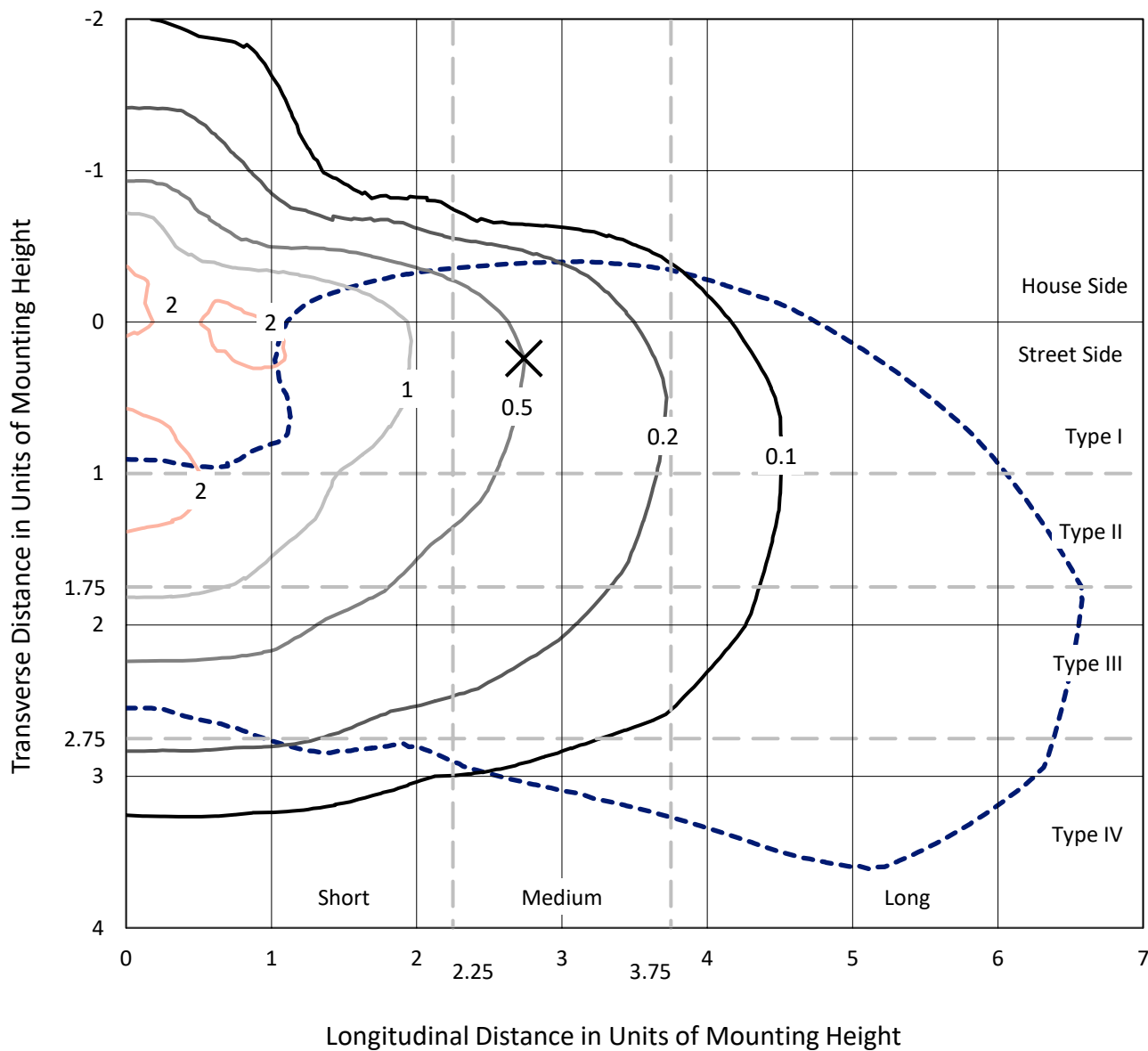
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



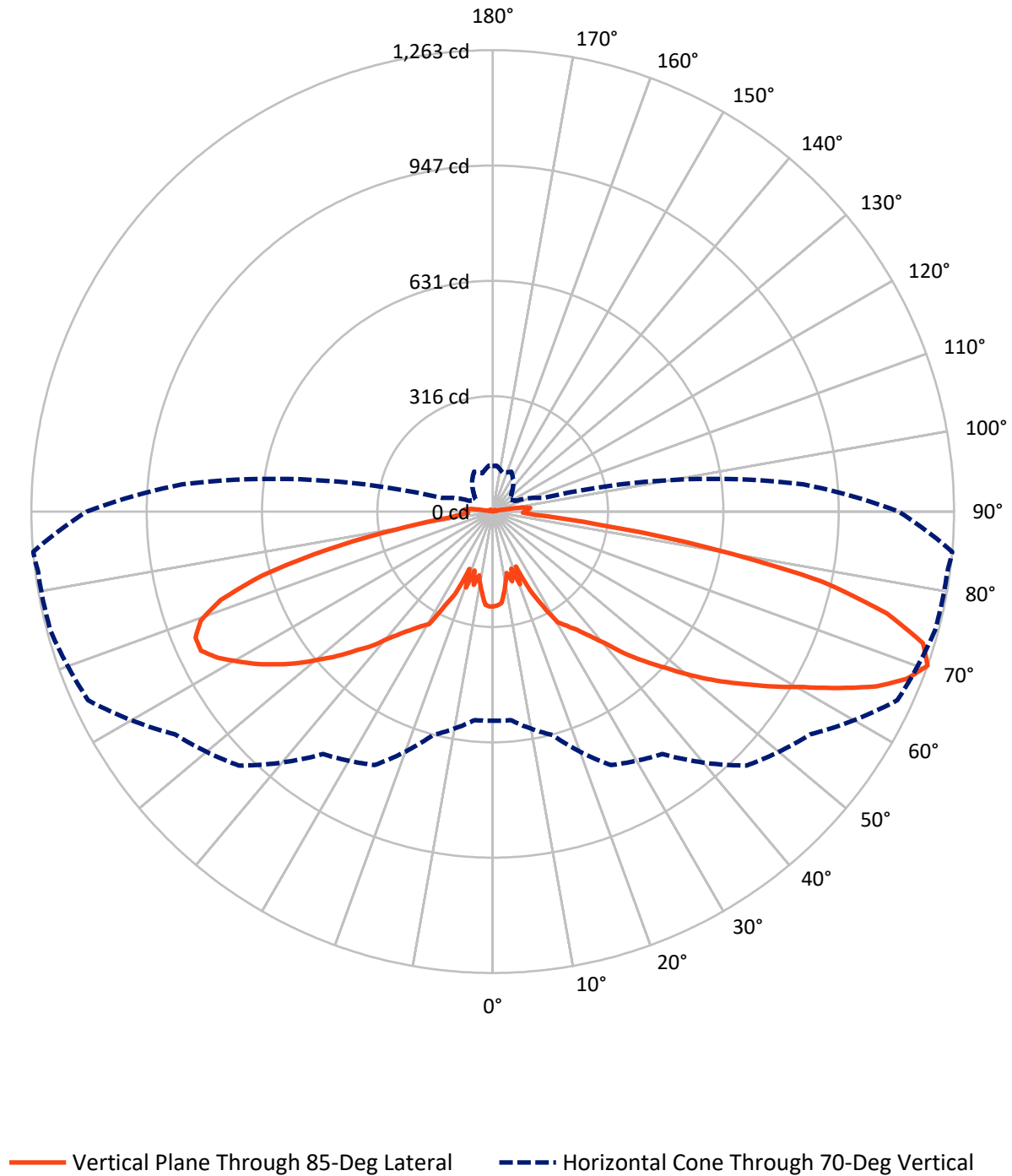
Based on 10 foot mounting height. Maximum calculated value = 2.7 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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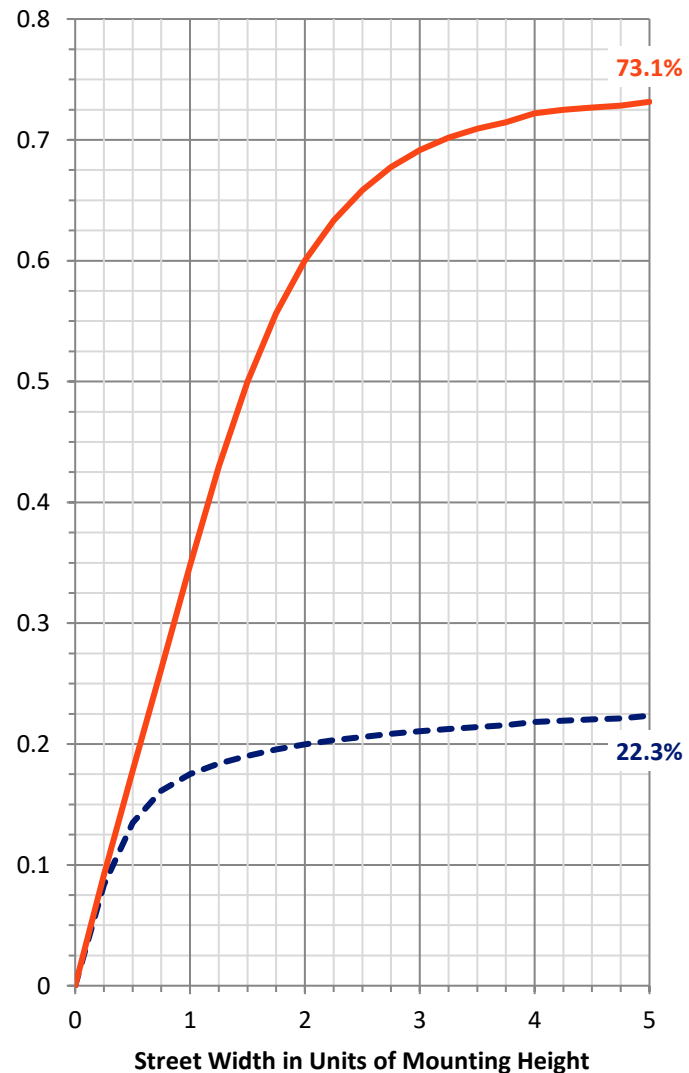
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	552.4	35.6	588.0
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1731.6	30.0	1761.6
	% Fixture	73.7	1.3	75.0
Total	Lumens	2284.0	65.6	2349.6
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.9
10°-20°	51.8	2.2
20°-30°	94.4	4.0
30°-40°	178.5	7.6
40°-50°	298.3	12.7
50°-60°	465.6	19.8
60°-70°	577.4	24.6
70°-80°	471.8	20.1
80°-90°	124.9	5.3
90°-100°	47.4	2.0
100°-110°	10.1	0.4
110°-120°	3.3	0.1
120°-130°	2.5	0.1
130°-140°	1.2	0.1
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°	2284.0	97.2
0°-180°	2349.6	100.0



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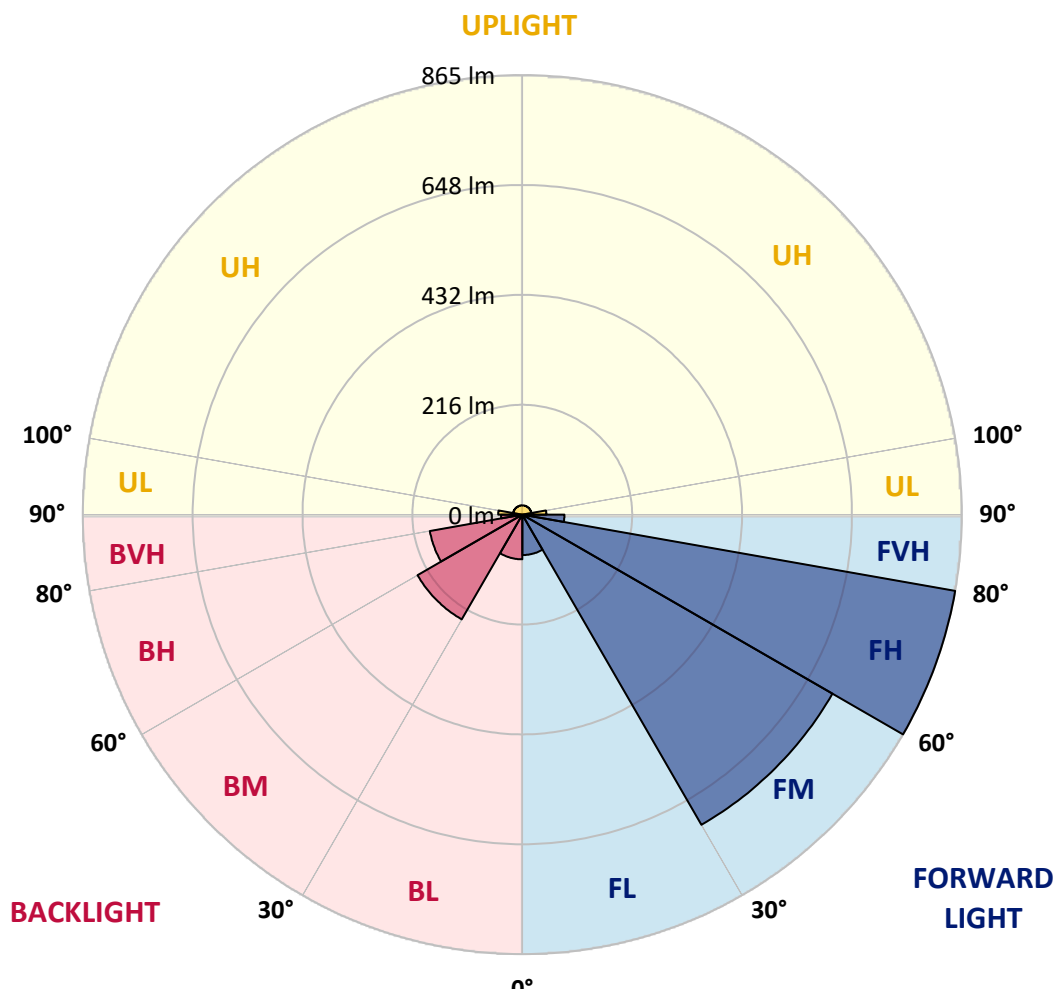
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.6	3.4			
FM	(30°-60°)	704.5	30.0			
FH	(60°-80°)	864.6	36.8			G1/1800
FVH	(80°-90°)	82.8	3.5			G1/100
BL	(0°-30°)	87.9	3.7	B0/110		
BM	(30°-60°)	238.0	10.1	B1/1000		
BH	(60°-80°)	184.6	7.9	B1/500		G1/500
BVH	(80°-90°)	42.0	1.8			G1/100
UL	(90°-100°)	47.4	2.0		U2/50	
UH	(100°-180°)	18.2	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°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	215.0	235.9	232.3	238.6	242.3	247.8	251.4	253.2	255.0	256.9	256.9
5°	199.5	200.4	201.3	202.2	204.0	206.8	209.5	238.6	247.8	251.4	251.4
7.5°	182.2	181.3	184.9	189.5	195.8	199.5	202.2	203.1	213.1	221.3	223.2
10°	181.3	182.2	182.2	184.0	173.1	172.2	159.4	160.3	174.0	194.9	195.8
12.5°	157.6	162.1	172.2	179.4	168.5	151.2	148.5	155.8	145.7	171.2	172.2
15°	175.8	174.9	174.9	167.6	142.1	149.4	133.0	138.5	169.4	193.1	197.7
17.5°	153.0	151.2	169.4	164.0	147.6	124.8	149.4	147.6	153.0	166.7	164.0
20°	192.2	190.4	186.7	142.1	149.4	156.7	152.1	142.1	179.4	200.4	212.2
22.5°	179.4	181.3	190.4	180.4	153.9	161.2	143.9	174.9	169.4	161.2	163.0
25°	245.0	243.2	234.1	176.7	184.0	150.3	175.8	155.8	215.0	238.6	240.5
27.5°	225.9	223.2	216.8	222.3	186.7	196.7	171.2	204.0	237.7	279.6	292.4
30°	299.7	296.9	289.7	224.1	222.3	194.9	207.7	250.5	320.6	352.5	351.6
32.5°	386.2	366.2	321.5	286.9	237.7	253.2	237.7	295.1	341.6	372.5	372.5
35°	439.0	435.4	411.7	333.4	276.9	276.0	273.3	325.2	377.1	399.0	397.1
37.5°	483.7	490.1	472.7	386.2	312.4	319.7	306.1	366.2	420.8	433.6	431.8
40°	545.6	543.8	534.7	431.8	356.2	355.2	345.2	415.4	469.1	478.2	473.7
42.5°	637.6	627.6	600.3	492.8	402.6	402.6	384.4	461.8	528.3	529.2	532.0
45°	750.6	746.0	697.7	587.5	462.7	461.8	431.8	511.0	588.4	593.0	584.8
47.5°	828.9	815.2	791.6	674.0	555.6	534.7	489.1	559.3	660.4	656.7	640.3
50°	906.3	895.4	873.5	768.8	652.2	610.3	542.9	609.4	729.6	719.6	704.1
52.5°	972.8	958.2	934.6	846.2	736.9	704.1	604.8	654.9	799.7	783.4	768.8
55°	1011.1	981.0	982.8	915.4	800.7	774.2	674.0	728.7	868.1	844.4	832.5
57.5°	963.7	961.9	991.9	958.2	859.0	832.5	747.8	802.5	939.1	908.1	902.7
60°	916.3	921.8	964.6	971.0	904.5	885.4	811.6	907.2	1008.3	974.6	974.6
62.5°	850.8	866.2	926.4	975.5	909.1	937.3	878.1	996.5	1083.9	1053.0	1063.0
65°	776.1	776.1	845.3	938.2	894.5	971.9	951.9	1094.0	1150.4	1132.2	1153.2
67.5°	674.0	675.9	747.8	865.3	868.1	989.2	1011.1	1170.5	1219.7	1206.0	1221.5
70°	572.0	572.9	633.1	765.1	809.8	982.8	1062.1	1221.5	1253.4	1255.2	1262.5
72.5°	428.1	443.6	500.1	621.2	708.7	956.4	1088.5	1236.1	1252.5	1255.2	1231.5
75°	230.5	237.7	300.6	404.4	526.5	848.0	1080.3	1220.6	1208.7	1176.9	1114.9
77.5°	80.2	83.8	105.7	176.7	298.8	600.3	1002.0	1153.2	1114.9	1014.7	923.6
80°	51.9	51.9	57.4	84.7	135.7	284.2	777.9	988.3	898.1	684.1	599.4
82.5°	36.4	37.3	41.9	56.5	87.4	122.1	404.4	501.9	494.6	340.7	286.9
85°	26.4	27.3	29.1	32.8	60.1	75.6	157.6	241.4	223.2	122.1	114.8
87.5°	11.8	13.7	11.8	14.6	23.7	46.5	75.6	74.7	71.0	81.1	82.9
90°	9.1	9.1	7.3	8.2	16.4	41.9	70.1	67.4	72.0	88.4	87.4
92.5°	9.1	9.1	7.3	8.2	15.5	41.9	73.8	65.6	74.7	94.7	95.6
95°	9.1	10.0	7.3	7.3	12.8	42.8	78.3	70.1	79.2	102.9	102.9
97.5°	8.2	8.2	5.5	6.4	10.0	39.2	78.3	60.1	58.3	82.9	82.0
100°	6.4	7.3	3.6	5.5	7.3	23.7	58.3	37.3	16.4	19.1	29.1
102.5°	6.4	6.4	3.6	4.6	5.5	10.0	31.0	21.9	4.6	6.4	6.4
105°	6.4	7.3	3.6	3.6	3.6	4.6	14.6	10.9	3.6	5.5	6.4
107.5°	7.3	7.3	2.7	2.7	2.7	2.7	5.5	4.6	3.6	6.4	7.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	6.4	6.4	2.7	2.7	1.8	1.8	1.8	2.7	3.6	5.5	6.4
115°	4.6	4.6	1.8	2.7	1.8	1.8	1.8	2.7	2.7	4.6	5.5
117.5°	4.6	3.6	1.8	1.8	0.9	1.8	1.8	2.7	3.6	6.4	6.4
120°	4.6	4.6	1.8	0.9	0.9	0.9	0.9	1.8	4.6	7.3	8.2
122.5°	4.6	4.6	1.8	0.9	0.9	0.9	0.9	1.8	4.6	7.3	8.2
125°	5.5	4.6	2.7	0.9	0.9	0.9	0.9	0.9	3.6	6.4	7.3
127.5°	4.6	4.6	2.7	0.9	0.9	0.9	0.9	0.9	2.7	5.5	6.4
130°	4.6	4.6	2.7	0.9	0.9	0.9	0.9	0.9	2.7	4.6	4.6
132.5°	3.6	3.6	2.7	0.9	0.9	0.9	0.9	0.9	1.8	3.6	3.6
135°	3.6	3.6	1.8	0.9	0.9	0.9	0.9	0.9	0.9	2.7	2.7
137.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.0	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.0	0.0	0.0	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°	2.7	2.7	2.7	1.8	1.8	0.9	1.8	0.9	0.9	0.9	0.9
152.5°	2.7	2.7	3.6	1.8	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°	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	257.8	259.6	260.5	263.2	263.2	263.2	256.9	241.4	241.4	242.3	243.2
5°	254.1	256.0	259.6	246.8	234.1	233.2	237.7	240.5	241.4	242.3	240.5
7.5°	225.0	228.6	226.8	227.7	234.1	240.5	245.9	242.3	233.2	226.8	228.6
10°	200.4	204.0	184.0	185.8	193.1	211.3	241.4	251.4	257.8	260.5	260.5
12.5°	175.8	178.5	161.2	186.7	174.0	202.2	235.0	259.6	235.0	225.0	225.0
15°	201.3	206.8	185.8	165.8	169.4	204.9	180.4	247.8	255.0	256.9	258.7
17.5°	172.2	168.5	172.2	174.9	190.4	159.4	206.8	233.2	218.6	213.1	215.9
20°	216.8	220.4	201.3	172.2	174.0	203.1	184.0	208.6	248.7	249.6	251.4
22.5°	164.9	169.4	180.4	204.9	179.4	196.7	194.0	216.8	203.1	204.0	211.3
25°	242.3	245.9	226.8	183.1	195.8	177.6	195.8	193.1	227.7	229.5	229.5
27.5°	296.9	288.7	247.8	206.8	172.2	187.6	176.7	184.0	175.8	200.4	204.0
30°	353.4	353.4	321.5	230.5	182.2	159.4	161.2	174.9	194.9	198.6	198.6
32.5°	370.7	369.8	328.8	249.6	179.4	164.9	148.5	164.9	199.5	216.8	218.6
35°	395.3	391.7	341.6	243.2	173.1	150.3	140.3	165.8	191.3	194.0	192.2
37.5°	426.3	417.2	357.1	231.4	158.5	141.2	134.8	149.4	171.2	171.2	171.2
40°	464.5	450.0	362.5	215.0	143.0	129.3	123.0	138.5	153.0	144.8	142.1
42.5°	516.5	494.6	367.1	203.1	129.3	119.3	111.1	125.7	133.0	128.4	126.6
45°	564.7	532.0	374.4	190.4	118.4	110.2	102.9	115.7	121.1	116.6	115.7
47.5°	622.1	578.4	375.3	178.5	110.2	102.9	97.5	108.4	112.0	112.0	111.1
50°	681.3	623.0	382.6	168.5	102.0	95.6	94.7	102.9	105.7	103.8	102.9
52.5°	748.7	673.1	385.3	155.8	92.0	87.4	92.0	97.5	105.7	106.6	106.6
55°	820.7	719.6	383.5	138.5	84.7	82.9	89.3	101.1	108.4	102.9	102.0
57.5°	890.8	766.0	384.4	119.3	77.4	81.1	90.2	105.7	111.1	104.8	102.0
60°	953.7	807.9	371.6	102.0	72.0	76.5	93.8	110.2	108.4	110.2	107.5
62.5°	1031.1	851.7	335.2	91.1	67.4	74.7	93.8	112.9	105.7	112.9	112.9
65°	1094.9	884.5	283.3	82.0	63.8	74.7	94.7	113.9	102.9	114.8	114.8
67.5°	1122.2	883.5	204.9	74.7	59.2	72.9	94.7	117.5	105.7	118.4	117.5
70°	1111.3	853.5	144.8	69.2	56.5	73.8	98.4	120.2	108.4	125.7	124.8
72.5°	1037.5	782.4	104.8	64.7	52.8	70.1	101.1	123.9	111.1	136.6	136.6
75°	913.6	654.0	84.7	60.1	49.2	69.2	102.0	125.7	112.9	138.5	138.5
77.5°	698.6	470.0	71.0	55.6	45.5	67.4	101.1	128.4	112.0	138.5	138.5
80°	419.0	267.8	59.2	50.1	46.5	66.5	102.9	128.4	112.0	136.6	136.6
82.5°	193.1	123.0	52.8	41.9	43.7	65.6	104.8	126.6	107.5	136.6	131.2
85°	107.5	86.5	45.5	35.5	39.2	61.9	99.3	113.9	96.6	112.9	111.1
87.5°	80.2	67.4	29.1	18.2	25.5	43.7	76.5	90.2	72.9	87.4	86.5
90°	85.6	71.0	26.4	18.2	27.3	40.1	72.0	80.2	67.4	81.1	80.2
92.5°	92.0	74.7	26.4	19.1	31.0	43.7	72.0	78.3	66.5	73.8	74.7
95°	96.6	77.4	25.5	21.0	32.8	47.4	70.1	72.0	61.0	63.8	66.5
97.5°	75.6	58.3	22.8	21.9	31.9	38.3	57.4	56.5	41.9	39.2	39.2
100°	23.7	16.4	20.0	22.8	19.1	18.2	33.7	40.1	24.6	16.4	15.5
102.5°	7.3	6.4	18.2	21.9	14.6	8.2	18.2	25.5	18.2	2.7	3.6
105°	7.3	7.3	11.8	18.2	10.0	3.6	7.3	13.7	10.9	2.7	2.7
107.5°	7.3	6.4	4.6	10.0	3.6	2.7	3.6	3.6	3.6	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.3	7.3	3.6	3.6	2.7	2.7	1.8	1.8	2.7	6.4	6.4
115°	6.4	6.4	3.6	2.7	1.8	2.7	1.8	1.8	2.7	7.3	7.3
117.5°	7.3	7.3	3.6	2.7	1.8	1.8	1.8	0.9	2.7	8.2	9.1
120°	9.1	8.2	4.6	1.8	1.8	1.8	1.8	1.8	3.6	7.3	8.2
122.5°	9.1	9.1	4.6	1.8	0.9	0.9	0.9	1.8	3.6	7.3	8.2
125°	8.2	8.2	4.6	1.8	0.9	0.9	0.9	0.9	3.6	6.4	6.4
127.5°	7.3	7.3	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	4.6	5.5
132.5°	4.6	4.6	2.7	1.8	0.9	0.9	0.9	0.9	2.7	3.6	4.6
135°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6
137.5°	1.8	1.8	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	0.0	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	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	0.9	0.9	0.9	1.8	1.8	2.7	1.8
152.5°	0.9	0.9	0.9	1.8	0.9	0.0	0.0	1.8	1.8	2.7	2.7
155°	2.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	1.8	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
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°	7.3	7.3	2.7	2.7	1.8	1.8	2.7	2.7	3.6	6.4	7.3
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110°	7.3	7.3	3.6	3.6	2.7	2.7	2.7	1.8	1.8	4.6	4.6
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(END OF REPORT)