

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: P560172

Luminaire Tested: **SDL-PA1-30-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560172
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-PA1-30-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA 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: 2933.2 lumens
Efficiency: N/A
Efficacy: 97.4 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 - U3 - G2

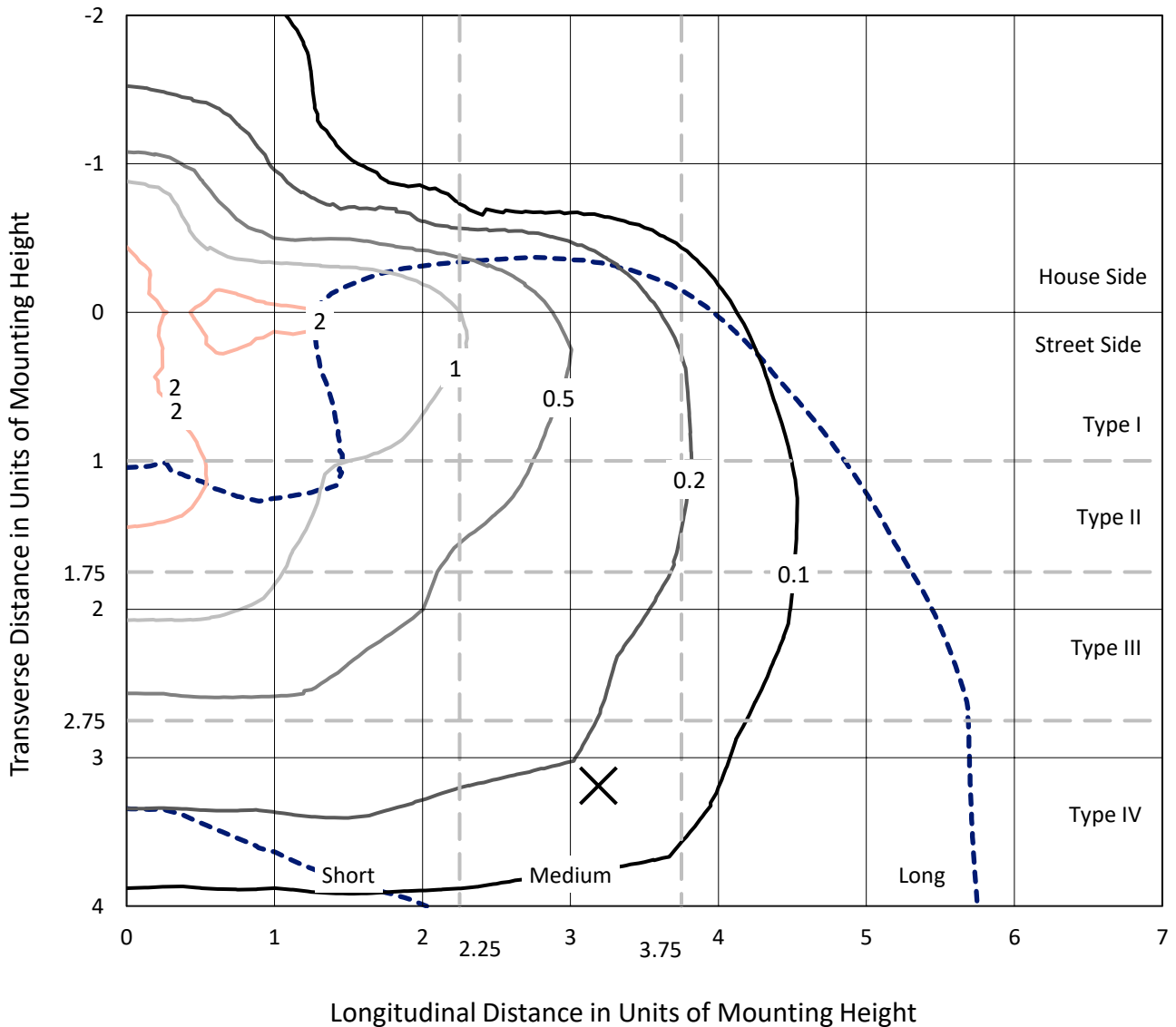
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

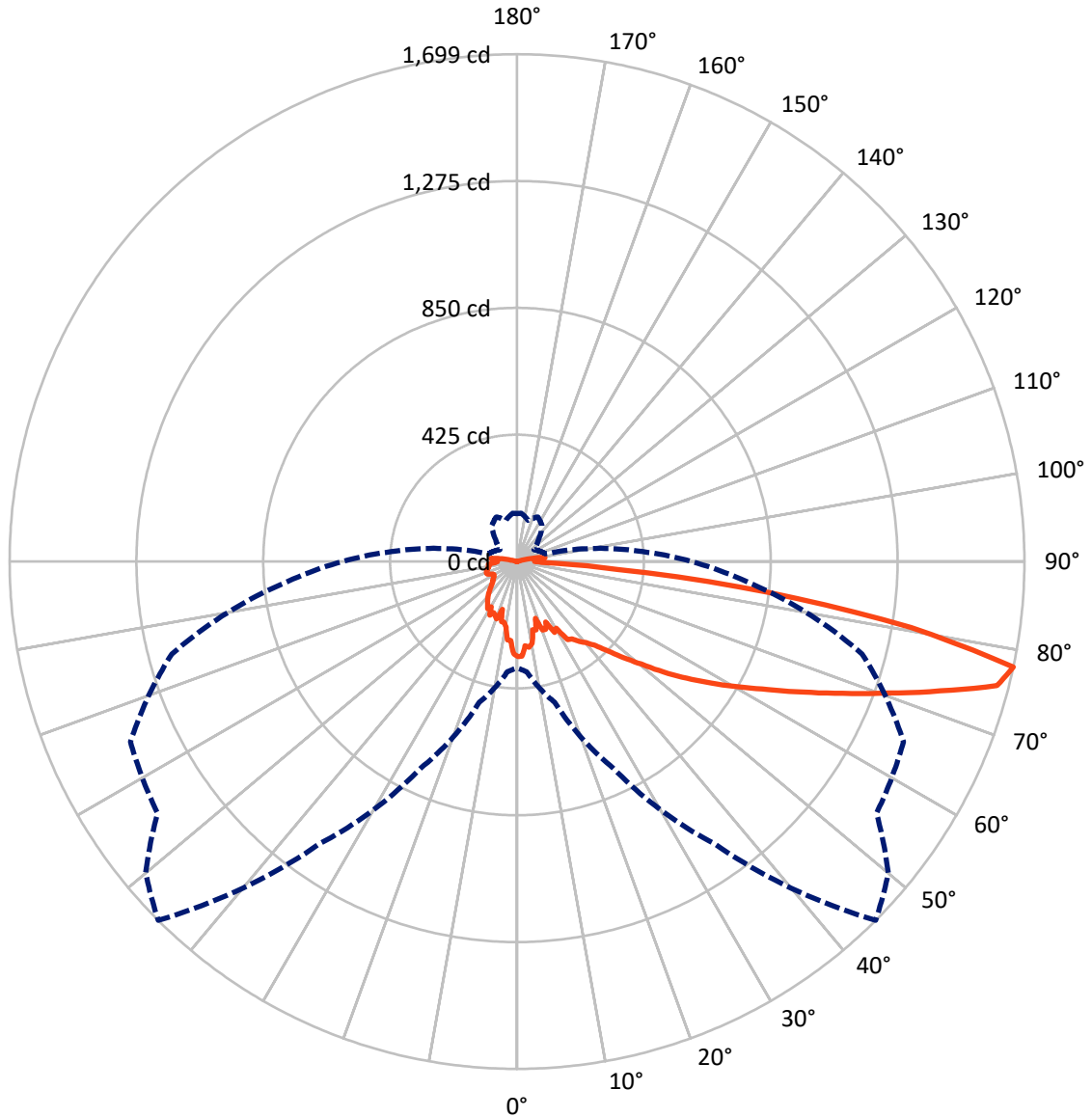
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 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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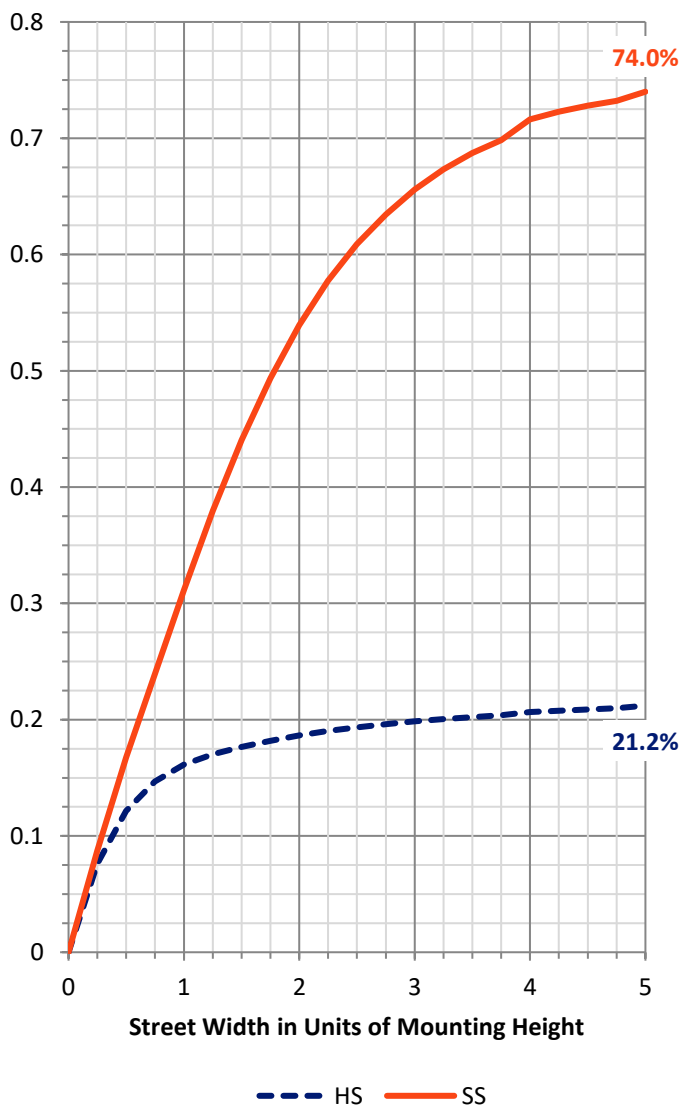
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.5	49.0	705.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	2188.0	39.7	2227.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	2844.5	88.7	2933.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	0.9
10°-20°	65.6	2.2
20°-30°	113.4	3.9
30°-40°	201.0	6.9
40°-50°	311.6	10.6
50°-60°	501.6	17.1
60°-70°	737.6	25.1
70°-80°	710.2	24.2
80°-90°	177.1	6.0
90°-100°	66.0	2.3
100°-110°	14.6	0.5
110°-120°	3.2	0.1
120°-130°	2.6	0.1
130°-140°	1.2	0.0
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°	2844.5	97.0
0°-180°	2933.2	100.0

Coefficient of Utilization



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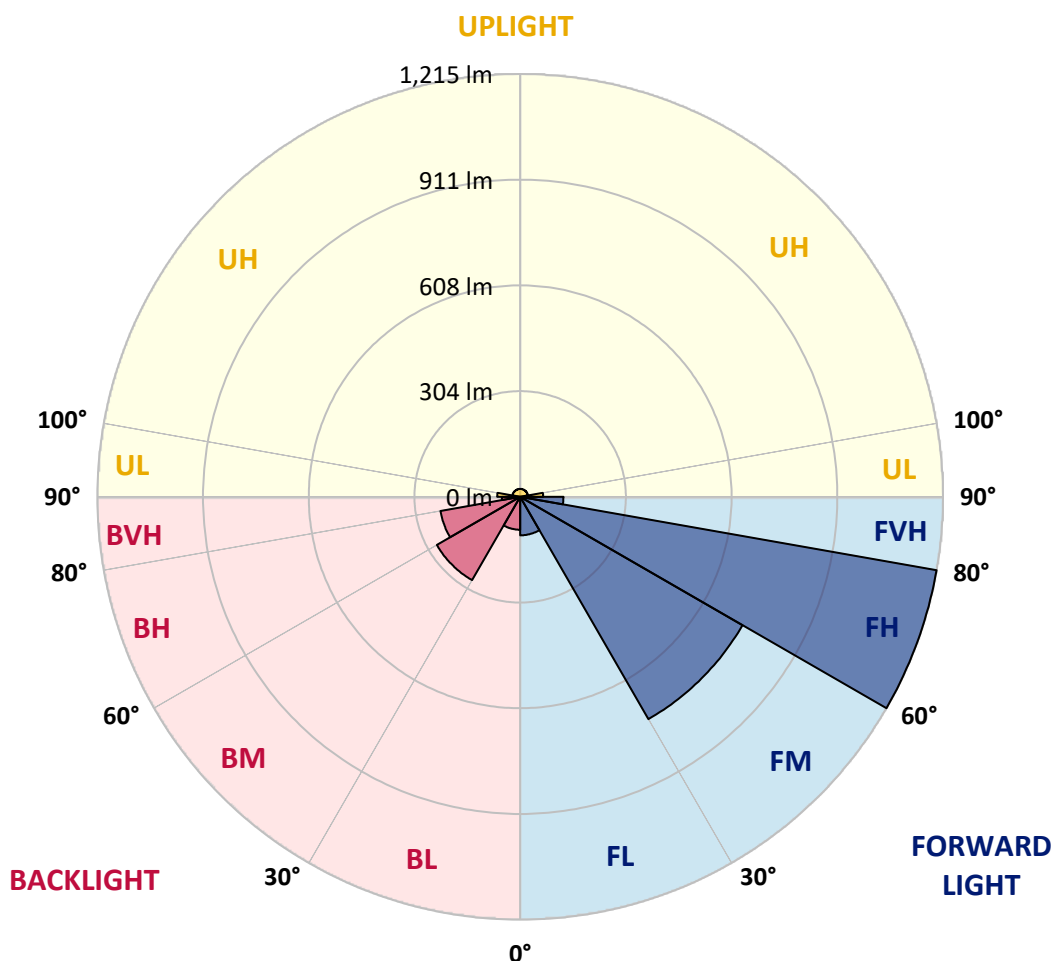
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.7	3.8			
FM (30°-60°)	737.7	25.2			
FH (60°-80°)	1215.2	41.4			G1/1800
FVH (80°-90°)	124.4	4.2			G2/225
BL (0°-30°)	94.8	3.2	B0/110		
BM (30°-60°)	276.4	9.4	B1/1000		
BH (60°-80°)	232.6	7.9	B1/500		G1/500
BVH (80°-90°)	52.7	1.8			G1/100
UL (90°-100°)	66.0	2.3		U3/500	
UH (100°-180°)	22.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4
2.5°	289.6	317.3	312.7	316.1	316.1	317.3	318.4	318.4	319.6	318.4	318.4
5°	295.3	294.2	291.9	289.6	287.3	283.8	283.8	283.8	311.5	313.8	311.5
7.5°	275.7	300.0	297.7	293.0	293.0	289.6	285.0	280.3	272.3	270.0	273.4
10°	311.5	310.3	306.9	300.0	274.6	279.2	250.4	226.1	216.9	222.7	237.7
12.5°	276.9	296.5	304.6	304.6	272.3	234.2	208.8	222.7	214.6	191.5	208.8
15°	326.5	324.2	315.0	300.0	238.8	237.7	223.8	196.1	199.6	216.9	233.0
17.5°	279.2	279.2	312.7	286.1	245.7	199.6	198.4	220.4	201.9	192.7	201.9
20°	336.9	335.7	325.3	237.7	248.0	244.6	201.9	225.0	192.7	221.5	242.3
22.5°	286.1	283.8	300.0	285.0	236.5	246.9	189.2	213.4	229.6	203.1	188.1
25°	336.9	339.2	334.6	253.8	268.8	223.8	228.4	243.4	211.1	257.3	267.7
27.5°	296.5	296.5	283.8	283.8	249.2	268.8	214.6	228.4	251.5	278.0	326.5
30°	363.4	364.6	356.5	273.4	275.7	258.4	249.2	265.4	302.3	361.1	383.0
32.5°	444.2	444.2	381.9	326.5	276.9	311.5	263.0	289.6	342.6	372.6	401.5
35°	494.9	489.2	461.5	366.9	298.8	318.4	297.7	308.0	355.3	399.2	419.9
37.5°	567.6	565.3	537.6	402.6	320.7	339.2	309.2	320.7	378.4	418.8	443.0
40°	668.0	656.5	632.2	464.9	347.3	357.6	323.0	336.9	406.1	444.2	473.0
42.5°	747.6	749.9	732.6	538.8	391.1	384.2	347.3	357.6	436.1	483.4	515.7
45°	821.4	819.1	822.6	627.6	445.3	426.9	389.9	391.1	474.2	531.9	575.7
47.5°	872.2	871.0	879.1	710.7	514.5	481.1	437.3	432.6	518.0	614.9	657.6
50°	933.3	929.9	925.3	799.5	593.0	539.9	499.6	483.4	574.5	708.4	761.4
52.5°	1008.3	1000.3	985.3	868.7	679.5	614.9	569.9	548.0	650.7	813.4	881.4
55°	1079.9	1068.3	1055.6	946.0	759.1	689.9	641.5	628.8	749.9	921.8	1009.5
57.5°	1150.2	1144.5	1134.1	1048.7	860.7	768.4	714.1	711.8	865.3	1026.8	1146.8
60°	1216.0	1206.8	1220.6	1159.5	955.3	851.4	793.7	811.0	992.2	1131.8	1299.1
62.5°	1256.4	1252.9	1282.9	1261.0	1042.9	943.7	884.9	914.9	1114.5	1234.5	1434.0
65°	1196.4	1205.6	1324.4	1324.4	1144.5	1053.3	995.6	1014.1	1229.8	1338.3	1557.5
67.5°	1086.8	1099.5	1261.0	1360.2	1235.6	1176.8	1116.8	1127.2	1332.5	1422.5	1657.9
70°	993.3	1002.6	1152.5	1362.5	1293.3	1319.8	1233.3	1224.1	1412.1	1492.9	1694.8
72.5°	911.4	924.1	1047.6	1348.7	1349.8	1482.5	1371.7	1316.4	1484.8	1519.4	1577.1
75°	722.2	716.4	856.0	1186.0	1368.3	1660.2	1534.4	1419.0	1520.6	1428.3	1236.8
77.5°	355.3	370.3	488.0	763.7	1154.9	1699.4	1623.3	1469.8	1428.3	1196.4	771.8
80°	105.0	108.4	136.1	273.4	663.4	1338.3	1340.6	1216.0	1074.1	699.1	348.4
82.5°	58.8	60.0	78.5	118.8	272.3	848.0	882.6	730.3	475.3	258.4	174.2
85°	31.1	32.3	40.4	62.3	138.4	338.0	358.8	279.2	229.6	168.4	128.1
87.5°	15.0	15.0	13.8	20.8	50.8	81.9	91.1	103.8	92.3	86.5	106.1
90°	12.7	12.7	10.4	11.5	27.7	58.8	71.5	79.6	72.7	79.6	116.5
92.5°	13.8	13.8	10.4	11.5	30.0	65.8	78.5	88.8	77.3	85.4	129.2
95°	12.7	13.8	9.2	10.4	30.0	80.8	94.6	96.9	79.6	93.4	138.4
97.5°	10.4	10.4	6.9	8.1	26.5	94.6	103.8	100.4	70.4	71.5	110.8
100°	8.1	8.1	4.6	6.9	18.5	76.1	88.8	84.2	46.1	11.5	27.7
102.5°	6.9	6.9	3.5	5.8	8.1	36.9	47.3	46.1	27.7	6.9	5.8
105°	6.9	6.9	3.5	4.6	4.6	10.4	16.2	20.8	11.5	3.5	5.8
107.5°	6.9	6.9	3.5	2.3	2.3	4.6	5.8	5.8	5.8	3.5	6.9
110°	8.1	8.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	6.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6.9	6.9	2.3	2.3	1.2	2.3	2.3	2.3	2.3	3.5	6.9
115°	5.8	5.8	1.2	2.3	1.2	1.2	2.3	1.2	2.3	2.3	5.8
117.5°	5.8	4.6	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	6.9
120°	5.8	5.8	2.3	1.2	1.2	1.2	1.2	1.2	2.3	4.6	8.1
122.5°	5.8	5.8	2.3	1.2	0.0	1.2	1.2	1.2	2.3	4.6	9.2
125°	6.9	5.8	2.3	1.2	0.0	0.0	1.2	1.2	1.2	4.6	8.1
127.5°	5.8	4.6	2.3	1.2	0.0	0.0	1.2	1.2	1.2	3.5	6.9
130°	5.8	4.6	2.3	0.0	0.0	0.0	1.2	1.2	1.2	3.5	5.8
132.5°	4.6	3.5	2.3	0.0	0.0	0.0	1.2	1.2	1.2	2.3	4.6
135°	3.5	3.5	1.2	0.0	1.2	0.0	1.2	1.2	1.2	1.2	3.5
137.5°	2.3	2.3	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
140°	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
145°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.5	3.5	3.5	2.3	1.2	1.2	1.2	2.3	1.2	1.2	1.2
152.5°	3.5	3.5	3.5	2.3	0.0	0.0	1.2	1.2	2.3	1.2	1.2
155°	2.3	2.3	2.3	0.0	0.0	0.0	1.2	1.2	1.2	2.3	2.3
157.5°	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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°	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4	318.4
2.5°	317.3	316.1	315.0	313.8	311.5	309.2	303.4	279.2	279.2	280.3	280.3
5°	311.5	310.3	306.9	285.0	272.3	265.4	267.7	267.7	267.7	268.8	271.1
7.5°	272.3	271.1	255.0	253.8	258.4	264.2	267.7	261.9	250.4	250.4	250.4
10°	237.7	236.5	207.7	201.9	207.7	221.5	257.3	264.2	268.8	270.0	272.3
12.5°	207.7	204.2	178.8	197.3	184.6	207.7	240.0	266.5	242.3	237.7	237.7
15°	230.7	229.6	199.6	173.1	174.2	207.7	190.4	250.4	264.2	266.5	267.7
17.5°	201.9	199.6	183.4	182.3	192.7	167.3	211.1	238.8	227.3	230.7	230.7
20°	241.1	240.0	210.0	174.2	171.9	204.2	186.9	216.9	258.4	266.5	267.7
22.5°	186.9	186.9	192.7	204.2	185.7	195.0	199.6	229.6	221.5	226.1	240.0
25°	265.4	263.0	233.0	183.4	199.6	188.1	208.8	218.0	256.1	265.4	267.7
27.5°	321.9	316.1	250.4	206.5	180.0	201.9	200.7	211.1	216.9	252.7	257.3
30°	379.6	373.8	321.9	231.9	186.9	174.2	191.5	226.1	260.7	266.5	271.1
32.5°	400.3	395.7	328.8	245.7	188.1	185.7	190.4	226.1	286.1	309.2	313.8
35°	422.3	416.5	335.7	240.0	183.4	173.1	180.0	233.0	285.0	300.0	303.4
37.5°	448.8	438.4	343.8	228.4	170.7	163.8	171.9	212.3	271.1	286.1	288.4
40°	482.2	471.9	354.2	215.7	158.1	152.3	156.9	197.3	237.7	250.4	256.1
42.5°	533.0	513.4	358.8	205.4	146.5	140.8	145.4	177.7	208.8	216.9	220.4
45°	598.8	564.2	365.7	191.5	136.1	128.1	135.0	162.7	177.7	177.7	177.7
47.5°	679.5	624.1	369.2	180.0	123.4	116.5	123.4	147.7	155.7	151.1	150.0
50°	778.7	700.3	386.5	166.1	113.1	107.3	118.8	130.4	133.8	136.1	136.1
52.5°	895.3	788.0	396.9	152.3	106.1	102.7	114.2	122.3	123.4	125.8	125.8
55°	1022.2	883.7	402.6	139.6	101.5	96.9	109.6	117.7	117.7	120.0	120.0
57.5°	1153.7	994.5	417.6	130.4	96.9	92.3	105.0	118.8	114.2	118.8	120.0
60°	1292.1	1097.2	404.9	121.1	90.0	88.8	106.1	126.9	125.8	131.5	132.7
62.5°	1422.5	1179.1	348.4	113.1	85.4	90.0	118.8	143.1	139.6	148.8	148.8
65°	1496.3	1206.8	256.1	108.4	81.9	96.9	131.5	159.2	147.7	152.3	150.0
67.5°	1512.5	1179.1	184.6	102.7	80.8	108.4	140.8	162.7	146.5	151.1	151.1
70°	1474.4	1114.5	148.8	98.1	79.6	109.6	143.1	162.7	147.7	158.1	155.7
72.5°	1302.5	948.3	126.9	93.4	79.6	107.3	146.5	163.8	151.1	168.4	165.0
75°	981.8	709.5	111.9	88.8	75.0	103.8	148.8	165.0	146.5	165.0	162.7
77.5°	583.8	404.9	99.2	83.1	69.2	100.4	146.5	165.0	143.1	162.7	160.4
80°	246.9	190.4	84.2	72.7	63.5	95.8	144.2	163.8	137.3	158.1	154.6
82.5°	155.7	129.2	71.5	60.0	62.3	94.6	145.4	161.5	135.0	159.2	147.7
85°	125.8	106.1	61.1	50.8	57.7	96.9	139.6	146.5	116.5	137.3	133.8
87.5°	106.1	88.8	27.7	21.9	42.7	75.0	106.1	109.6	84.2	107.3	102.7
90°	116.5	96.9	26.5	18.5	38.1	65.8	98.1	95.8	80.8	102.7	101.5
92.5°	126.9	102.7	25.4	19.6	42.7	71.5	107.3	96.9	85.4	103.8	102.7
95°	131.5	105.0	24.2	20.8	50.8	78.5	114.2	94.6	90.0	95.8	94.6
97.5°	99.2	76.1	23.1	21.9	53.1	88.8	107.3	79.6	58.8	58.8	57.7
100°	25.4	25.4	20.8	20.8	35.8	64.6	81.9	58.8	33.5	25.4	26.5
102.5°	6.9	8.1	18.5	19.6	19.6	28.8	46.1	38.1	21.9	3.5	3.5
105°	6.9	6.9	12.7	15.0	10.4	9.2	18.5	20.8	16.2	2.3	3.5
107.5°	6.9	6.9	5.8	8.1	3.5	4.6	4.6	5.8	5.8	2.3	2.3
110°	8.1	6.9	3.5	3.5	2.3	2.3	2.3	2.3	2.3	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	6.9	3.5	2.3	2.3	2.3	2.3	2.3	2.3	5.8	5.8
115°	6.9	5.8	3.5	2.3	2.3	2.3	2.3	1.2	2.3	6.9	6.9
117.5°	8.1	6.9	3.5	2.3	1.2	2.3	2.3	1.2	2.3	8.1	8.1
120°	9.2	8.1	3.5	2.3	1.2	1.2	1.2	1.2	3.5	8.1	8.1
122.5°	9.2	9.2	4.6	1.2	1.2	1.2	1.2	1.2	3.5	8.1	8.1
125°	9.2	8.1	3.5	1.2	1.2	1.2	0.0	1.2	3.5	8.1	9.2
127.5°	6.9	6.9	3.5	1.2	1.2	1.2	0.0	1.2	3.5	6.9	8.1
130°	5.8	5.8	2.3	1.2	1.2	1.2	0.0	1.2	3.5	6.9	6.9
132.5°	4.6	4.6	2.3	1.2	1.2	0.0	0.0	0.0	3.5	5.8	5.8
135°	3.5	3.5	1.2	1.2	1.2	0.0	0.0	0.0	2.3	4.6	4.6
137.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	2.3	2.3
140°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	2.3	1.2	2.3
152.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	2.3	2.3	2.3
155°	2.3	2.3	2.3	1.2	1.2	0.0	0.0	0.0	1.2	2.3	2.3
157.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	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)