

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: P560160

Luminaire Tested: **SDL-PA1-30-727-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
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-T2R-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2606.5 lumens
Efficiency: N/A
Efficacy: 86.6 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): 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

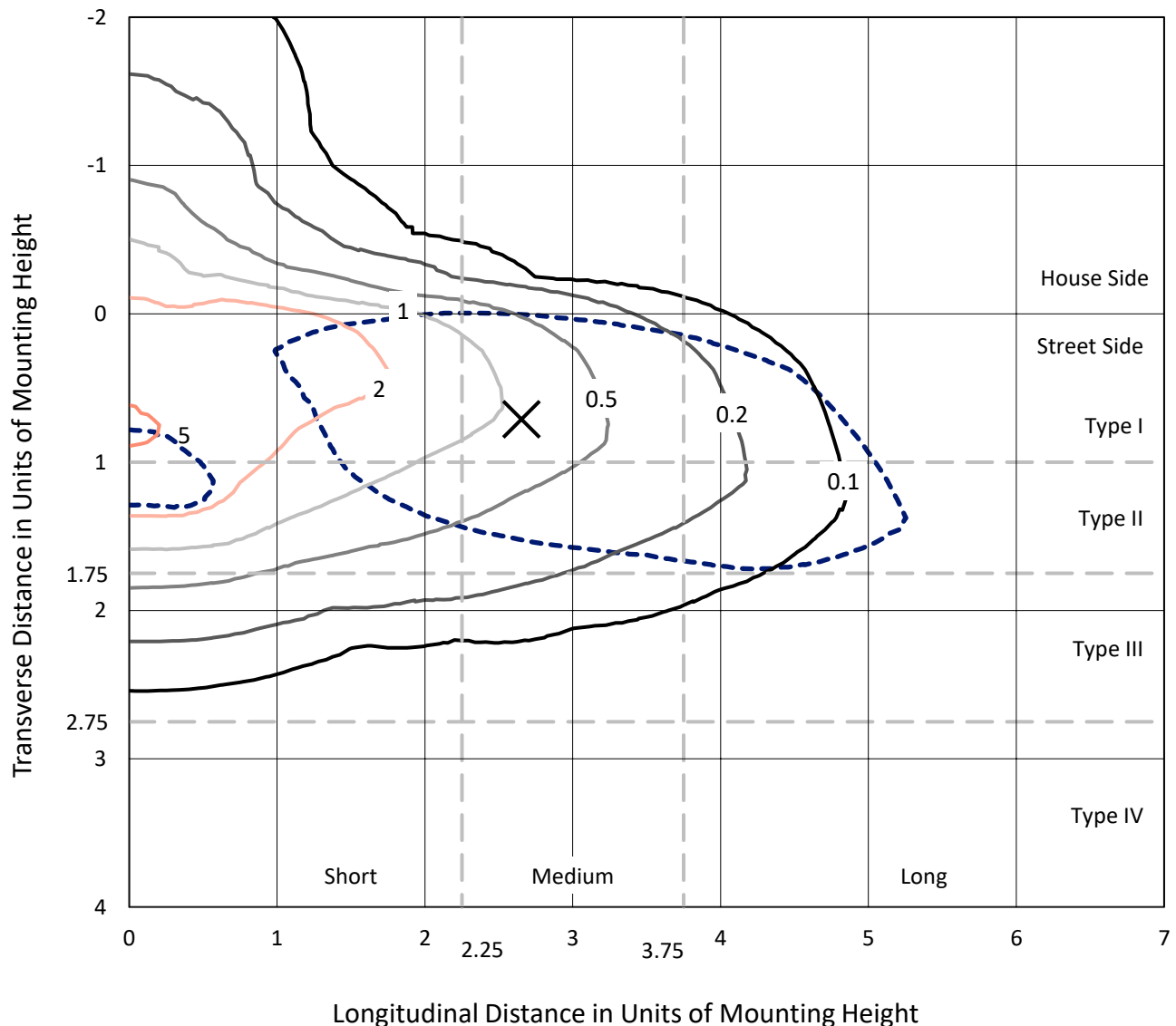


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

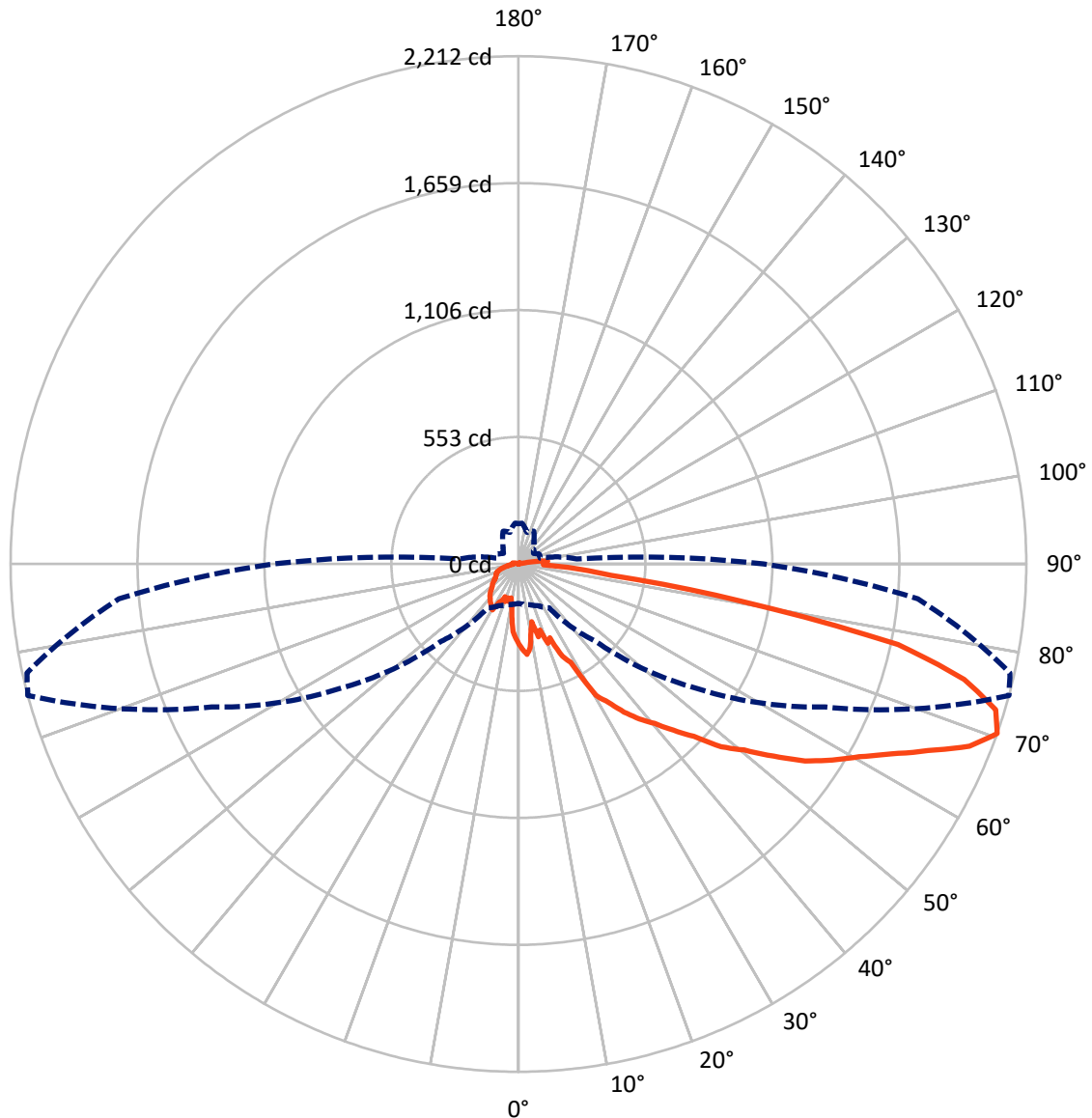


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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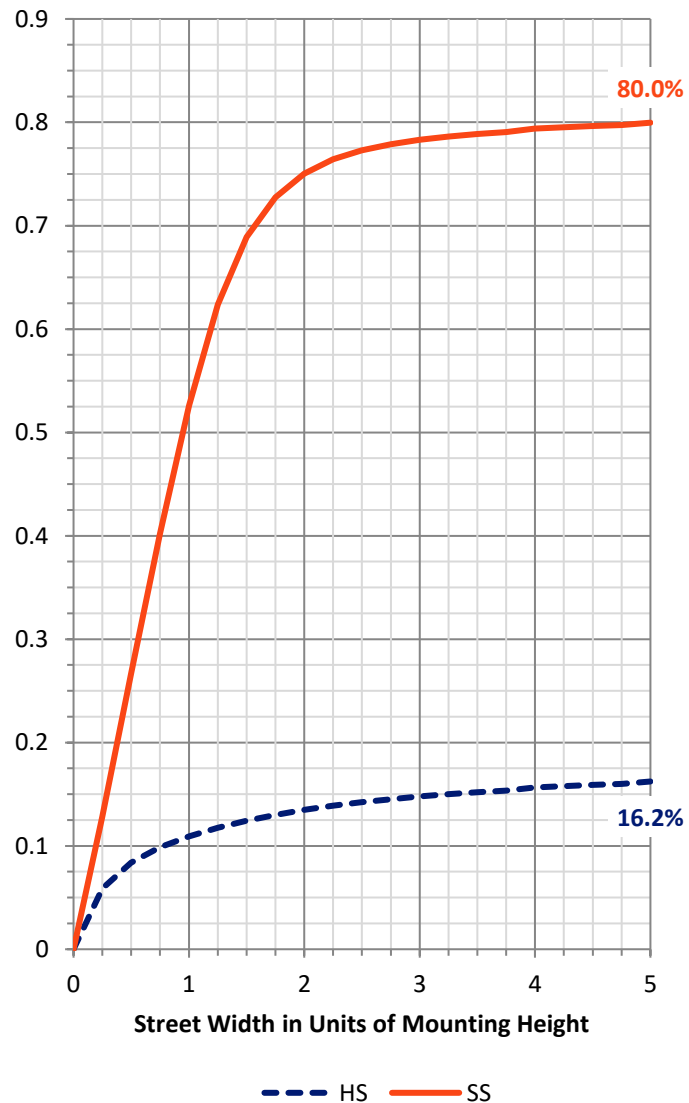
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.6	26.6	472.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2100.6	33.7	2134.3
	% Fixture	80.6	1.3	81.9
Total	Lumens	2546.2	60.3	2606.5
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	1.1
10°-20°	76.0	2.9
20°-30°	137.3	5.3
30°-40°	280.5	10.8
40°-50°	440.4	16.9
50°-60°	540.8	20.7
60°-70°	537.9	20.6
70°-80°	397.9	15.3
80°-90°	106.3	4.1
90°-100°	39.3	1.5
100°-110°	9.2	0.4
110°-120°	4.4	0.2
120°-130°	3.9	0.1
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2546.2	97.7
0°-180°	2606.5	100.0

Coefficient of Utilization



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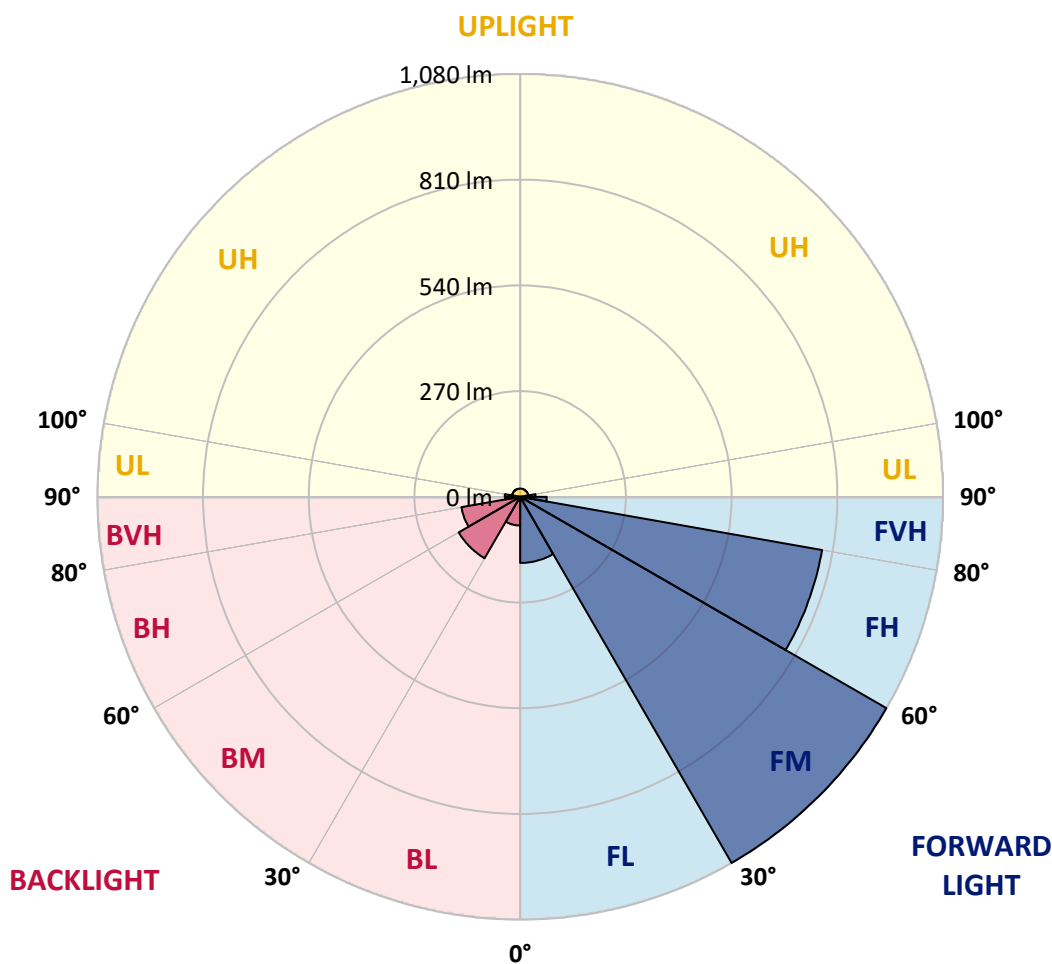
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.9	6.5			
FM	(30°-60°)	1080.5	41.5			
FH	(60°-80°)	783.3	30.1			G1/1800
FVH	(80°-90°)	67.9	2.6			G1/100
BL	(0°-30°)	73.4	2.8	B0/110		
BM	(30°-60°)	181.3	7.0	B0/220		
BH	(60°-80°)	152.4	5.8	B1/500		G1/500
BVH	(80°-90°)	38.4	1.5			G1/100
UL	(90°-100°)	39.3	1.5		U2/50	
UH	(100°-180°)	21.0	0.8		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°	75°	77.5°	85°
0°	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4
2.5°	362.6	383.0	392.2	402.3	411.5	406.4	398.3	386.0	374.8	370.8	358.5
5°	400.3	398.3	397.3	394.2	389.1	379.9	368.7	412.5	395.2	388.1	367.7
7.5°	352.4	408.5	414.6	420.7	418.6	407.4	393.2	353.5	368.7	359.6	334.1
10°	430.9	430.9	428.8	430.9	407.4	389.1	333.1	309.7	298.5	322.9	299.5
12.5°	366.7	399.3	440.0	448.2	412.5	361.6	338.2	327.0	257.7	254.7	273.0
15°	426.8	431.9	432.9	434.9	351.4	378.9	312.7	290.3	329.0	319.8	322.9
17.5°	343.3	348.4	414.6	410.5	377.9	302.5	365.7	328.0	302.5	291.3	287.2
20°	431.9	432.9	429.8	347.3	364.7	395.2	342.2	332.1	368.7	367.7	352.4
22.5°	367.7	368.7	379.9	418.6	376.9	399.3	344.3	414.6	349.4	350.4	272.0
25°	492.0	493.0	482.8	372.8	423.7	374.8	417.6	372.8	446.1	431.9	398.3
27.5°	516.4	478.7	440.0	462.4	404.4	465.5	397.3	451.2	484.9	481.8	486.9
30°	655.0	657.0	630.5	506.2	473.6	459.4	458.4	535.8	664.1	669.2	584.7
32.5°	887.2	875.0	744.6	624.4	510.3	560.2	514.4	620.3	718.1	715.1	626.4
35°	993.1	980.9	932.0	771.1	589.8	605.0	580.6	660.1	792.5	769.0	668.2
37.5°	1082.8	1080.7	1040.0	849.5	670.2	692.6	620.3	708.9	856.6	832.2	711.0
40°	1160.2	1153.1	1117.4	919.8	752.7	753.8	670.2	768.0	913.7	919.8	752.7
42.5°	1224.4	1218.2	1188.7	990.1	801.6	807.8	723.2	828.1	990.1	1001.3	817.9
45°	1250.8	1253.9	1233.5	1053.2	845.4	856.6	786.4	889.2	1071.6	1080.7	876.0
47.5°	1270.2	1271.2	1266.1	1105.2	892.3	897.4	848.5	944.2	1189.7	1171.4	944.2
50°	1226.4	1222.3	1227.4	1144.9	933.0	939.2	900.4	1001.3	1274.3	1250.8	1015.5
52.5°	1111.3	1116.4	1169.4	1124.5	946.3	958.5	949.3	1051.2	1391.4	1373.1	1117.4
55°	822.0	844.4	997.2	1041.0	945.3	966.7	994.2	1145.9	1514.7	1487.2	1204.0
57.5°	665.1	665.1	754.8	898.4	893.3	961.6	1040.0	1210.1	1612.4	1593.1	1290.6
60°	533.7	533.7	582.6	713.0	792.5	936.1	1086.8	1304.8	1705.1	1693.9	1367.0
62.5°	418.6	417.6	458.4	531.7	649.9	880.1	1111.3	1386.3	1821.3	1819.2	1489.2
65°	302.5	306.6	341.2	387.1	510.3	775.2	1110.3	1459.7	1960.8	1966.9	1626.7
67.5°	224.1	226.1	245.5	279.1	350.4	642.7	1061.4	1510.6	2118.7	2108.5	1714.3
70°	172.1	175.2	183.3	200.7	233.3	477.7	943.2	1474.9	2212.4	2193.0	1746.9
72.5°	144.6	145.7	144.6	153.8	155.8	323.9	755.8	1339.5	2173.7	2143.1	1657.3
75°	123.3	122.2	121.2	123.3	115.1	213.9	541.9	1133.7	2006.6	1953.7	1463.7
77.5°	105.9	104.9	100.8	101.9	91.7	157.9	369.8	889.2	1690.9	1566.6	1100.1
80°	87.6	87.6	84.5	84.5	77.4	120.2	236.3	613.2	985.0	886.2	572.5
82.5°	68.2	67.2	67.2	69.3	66.2	93.7	154.8	305.6	406.4	381.0	267.9
85°	36.7	36.7	41.8	46.9	45.8	57.0	118.2	180.3	240.4	232.2	149.7
87.5°	11.2	11.2	12.2	15.3	16.3	30.6	74.4	87.6	109.0	120.2	118.2
90°	12.2	11.2	8.1	9.2	10.2	22.4	69.3	84.5	110.0	122.2	125.3
92.5°	14.3	13.2	8.1	8.1	10.2	18.3	66.2	82.5	120.2	132.4	135.5
95°	15.3	14.3	8.1	8.1	10.2	16.3	59.1	81.5	128.3	144.6	144.6
97.5°	14.3	13.2	6.1	7.1	9.2	14.3	45.8	67.2	89.6	98.8	114.1
100°	12.2	12.2	4.1	6.1	8.1	10.2	26.5	36.7	26.5	25.5	25.5
102.5°	11.2	11.2	4.1	5.1	6.1	7.1	12.2	19.4	6.1	7.1	9.2
105°	11.2	12.2	3.1	4.1	4.1	4.1	6.1	10.2	5.1	6.1	9.2
107.5°	11.2	12.2	3.1	3.1	4.1	3.1	3.1	4.1	5.1	6.1	10.2
110°	10.2	10.2	2.0	3.1	3.1	3.1	2.0	3.1	5.1	7.1	10.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7.1	7.1	2.0	3.1	3.1	3.1	2.0	3.1	5.1	7.1	10.2
115°	5.1	4.1	2.0	3.1	2.0	3.1	2.0	3.1	5.1	7.1	9.2
117.5°	4.1	3.1	2.0	2.0	2.0	2.0	1.0	3.1	6.1	8.1	11.2
120°	4.1	4.1	2.0	2.0	2.0	2.0	1.0	3.1	9.2	10.2	14.3
122.5°	4.1	4.1	2.0	2.0	2.0	2.0	1.0	2.0	8.1	11.2	15.3
125°	4.1	4.1	2.0	2.0	2.0	2.0	1.0	2.0	7.1	10.2	13.2
127.5°	4.1	4.1	2.0	1.0	2.0	2.0	2.0	2.0	6.1	8.1	11.2
130°	4.1	4.1	2.0	1.0	2.0	2.0	2.0	2.0	5.1	6.1	9.2
132.5°	3.1	3.1	2.0	1.0	2.0	1.0	1.0	2.0	4.1	5.1	7.1
135°	2.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	3.1	5.1
137.5°	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	3.1	2.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	4.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0
150°	5.1	5.1	5.1	4.1	3.1	2.0	3.1	1.0	1.0	1.0	1.0
152.5°	5.1	5.1	6.1	3.1	2.0	1.0	1.0	4.1	3.1	2.0	2.0
155°	4.1	3.1	3.1	1.0	1.0	1.0	1.0	1.0	3.1	4.1	4.1
157.5°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4	349.4
2.5°	351.4	343.3	323.9	309.7	292.3	277.1	263.8	234.3	229.2	226.1	225.1
5°	351.4	334.1	296.4	250.6	214.9	206.8	202.7	202.7	200.7	201.7	202.7
7.5°	311.7	288.3	231.2	195.6	201.7	201.7	202.7	197.6	181.3	183.3	180.3
10°	273.0	243.4	174.2	158.9	174.2	175.2	198.6	207.8	210.9	211.9	211.9
12.5°	251.6	209.8	150.8	155.8	140.6	160.9	189.5	211.9	192.5	182.3	182.3
15°	289.3	248.5	169.1	136.5	138.5	160.9	143.6	200.7	207.8	209.8	209.8
17.5°	259.7	219.0	154.8	140.6	154.8	132.4	162.0	184.4	176.2	167.1	166.0
20°	311.7	258.7	173.2	137.5	136.5	156.9	143.6	150.8	188.4	189.5	188.4
22.5°	242.4	206.8	153.8	155.8	136.5	149.7	141.6	155.8	148.7	147.7	148.7
25°	336.1	267.9	177.2	134.5	142.6	132.4	142.6	131.4	157.9	159.9	160.9
27.5°	411.5	319.8	188.4	145.7	124.3	135.5	127.3	131.4	122.2	127.3	129.4
30°	489.9	372.8	230.2	160.9	131.4	116.1	118.2	117.1	132.4	131.4	129.4
32.5°	515.4	379.9	220.0	168.1	130.4	117.1	108.0	115.1	126.3	135.5	136.5
35°	540.9	385.0	211.9	160.9	127.3	110.0	105.9	118.2	127.3	128.3	131.4
37.5°	570.4	389.1	203.7	150.8	118.2	108.0	104.9	110.0	130.4	128.3	125.3
40°	597.9	391.1	193.5	141.6	108.0	105.9	97.8	110.0	115.1	119.2	121.2
42.5°	646.8	403.4	185.4	133.4	100.8	100.8	93.7	102.9	118.2	120.2	119.2
45°	682.5	399.3	174.2	126.3	93.7	89.6	91.7	112.0	119.2	131.4	129.4
47.5°	733.4	409.5	160.9	115.1	87.6	82.5	86.6	109.0	122.2	131.4	133.4
50°	783.3	407.4	149.7	105.9	83.5	78.4	95.7	105.9	120.2	135.5	135.5
52.5°	848.5	410.5	144.6	97.8	78.4	78.4	98.8	107.0	123.3	133.4	133.4
55°	906.6	399.3	132.4	94.7	77.4	75.4	99.8	111.0	124.3	133.4	134.5
57.5°	949.3	376.9	123.3	91.7	76.4	77.4	99.8	120.2	116.1	133.4	136.5
60°	996.2	352.4	115.1	91.7	76.4	80.5	102.9	127.3	127.3	139.5	139.5
62.5°	1060.4	337.2	111.0	92.7	74.4	83.5	112.0	138.5	128.3	147.7	148.7
65°	1114.3	316.8	108.0	96.8	75.4	87.6	117.1	147.7	134.5	156.9	155.8
67.5°	1115.4	286.2	103.9	100.8	76.4	90.7	117.1	153.8	141.6	165.0	162.0
70°	1066.5	255.7	97.8	100.8	79.5	93.7	117.1	157.9	142.6	178.3	175.2
72.5°	961.6	208.8	88.6	96.8	84.5	97.8	123.3	156.9	142.6	192.5	189.5
75°	817.9	167.1	76.4	88.6	84.5	102.9	127.3	155.8	137.5	183.3	177.2
77.5°	622.4	136.5	64.2	77.4	80.5	104.9	127.3	153.8	133.4	171.1	167.1
80°	320.9	95.7	51.9	66.2	75.4	102.9	126.3	145.7	119.2	151.8	149.7
82.5°	176.2	70.3	41.8	48.9	63.2	96.8	122.2	131.4	104.9	124.3	119.2
85°	114.1	50.9	33.6	39.7	53.0	80.5	102.9	103.9	74.4	89.6	84.5
87.5°	85.6	29.5	21.4	24.4	36.7	44.8	65.2	67.2	46.9	55.0	51.9
90°	89.6	29.5	22.4	25.5	32.6	33.6	47.9	50.9	36.7	41.8	41.8
92.5°	95.7	29.5	23.4	26.5	29.5	26.5	37.7	41.8	30.6	33.6	32.6
95°	97.8	28.5	25.5	27.5	26.5	21.4	30.6	33.6	25.5	25.5	25.5
97.5°	71.3	20.4	25.5	27.5	24.4	17.3	23.4	26.5	16.3	13.2	13.2
100°	19.4	10.2	24.4	26.5	21.4	14.3	20.4	20.4	10.2	7.1	7.1
102.5°	8.1	8.1	21.4	23.4	16.3	9.2	14.3	14.3	7.1	3.1	3.1
105°	8.1	6.1	15.3	17.3	11.2	5.1	7.1	8.1	5.1	3.1	3.1
107.5°	8.1	6.1	7.1	9.2	5.1	4.1	4.1	4.1	3.1	3.1	3.1
110°	9.2	6.1	4.1	5.1	4.1	3.1	3.1	3.1	3.1	4.1	5.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.2	7.1	4.1	5.1	4.1	3.1	3.1	3.1	4.1	9.2	9.2
115°	9.2	6.1	4.1	4.1	3.1	3.1	2.0	2.0	4.1	11.2	11.2
117.5°	10.2	7.1	4.1	4.1	3.1	2.0	2.0	2.0	5.1	13.2	13.2
120°	12.2	8.1	4.1	3.1	2.0	2.0	2.0	2.0	6.1	14.3	14.3
122.5°	13.2	9.2	4.1	3.1	2.0	1.0	2.0	3.1	7.1	14.3	14.3
125°	11.2	8.1	4.1	3.1	2.0	1.0	2.0	3.1	7.1	13.2	14.3
127.5°	10.2	7.1	4.1	2.0	2.0	1.0	1.0	3.1	6.1	10.2	12.2
130°	8.1	6.1	3.1	2.0	2.0	1.0	1.0	2.0	6.1	9.2	11.2
132.5°	7.1	5.1	3.1	2.0	2.0	1.0	1.0	2.0	6.1	8.1	8.1
135°	5.1	4.1	2.0	2.0	2.0	1.0	2.0	1.0	4.1	7.1	7.1
137.5°	3.1	2.0	2.0	2.0	2.0	1.0	1.0	1.0	3.1	4.1	4.1
140°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
142.5°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
145°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0
147.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
150°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
152.5°	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
155°	3.1	3.1	2.0	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0
157.5°	1.0	1.0	2.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
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)