

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: P560274

Luminaire Tested: **SDL-PA1-30-827-U-T2U-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560274  
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-PA1-30-827-U-T2U-A  
Description: Springdale  
(1) 80 CRI, 2700K, 375mA 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: 2656.3 lumens  
Efficiency: N/A  
Efficacy: 88.2 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

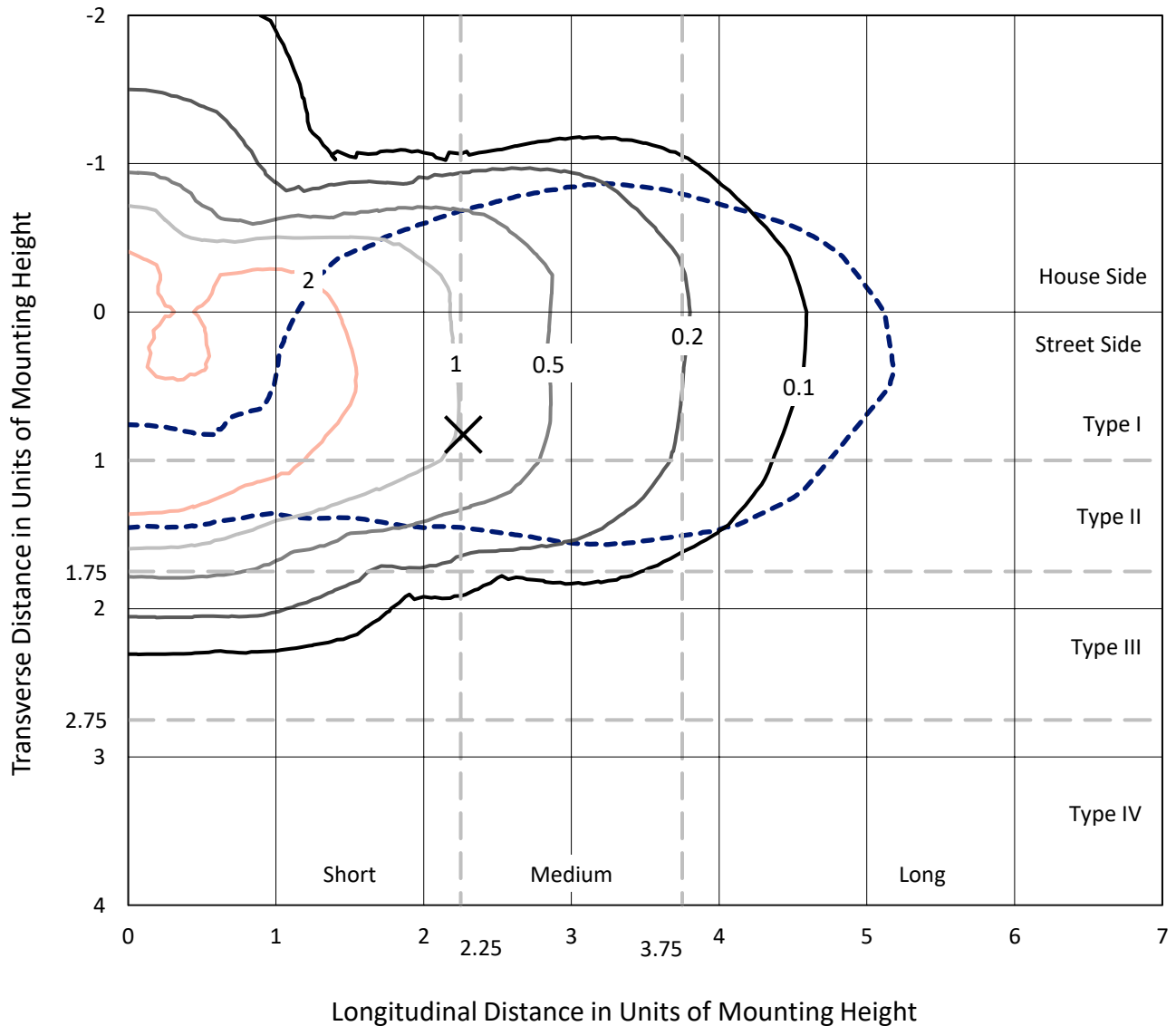
Input Watts (W): 30.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

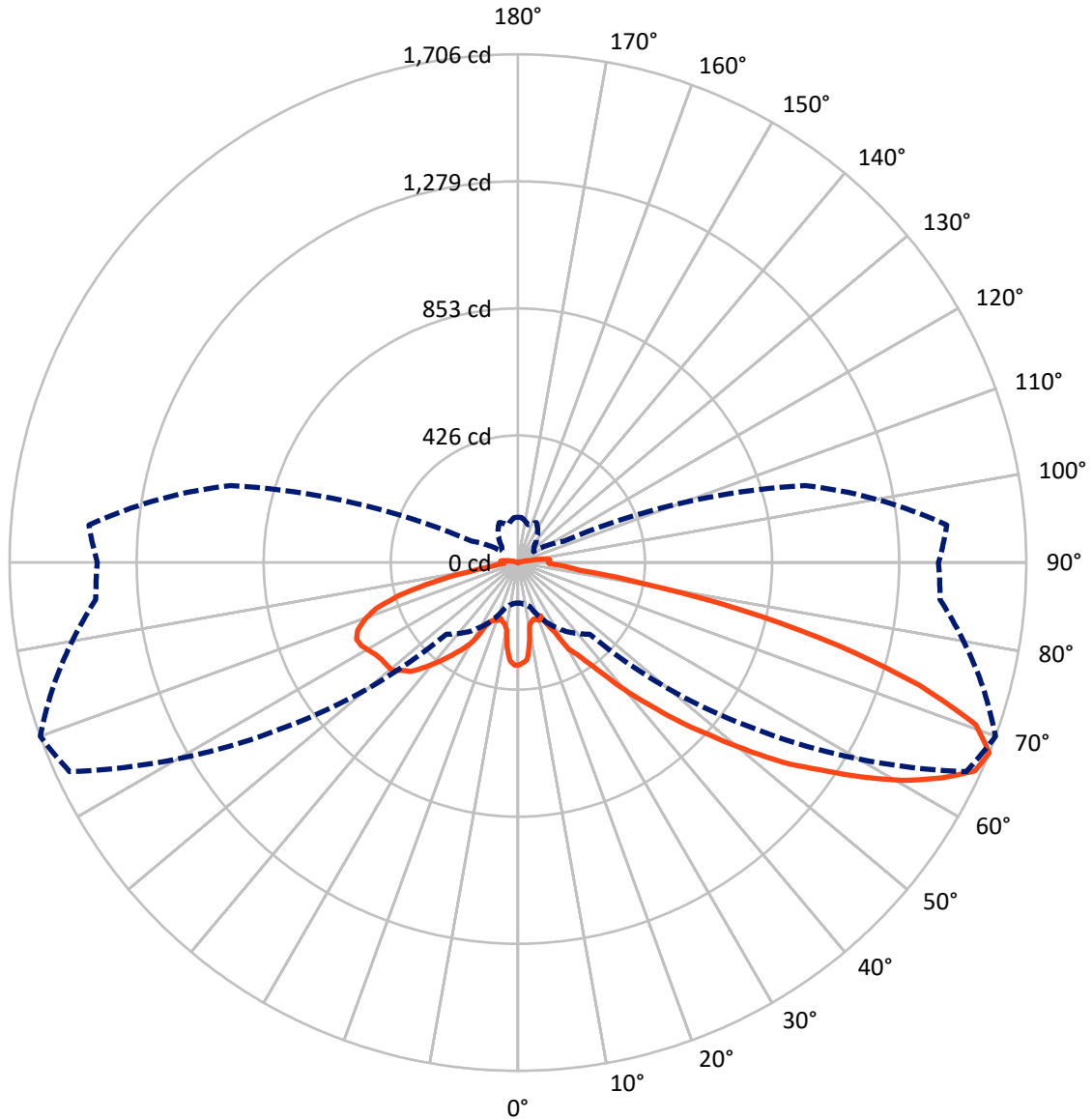
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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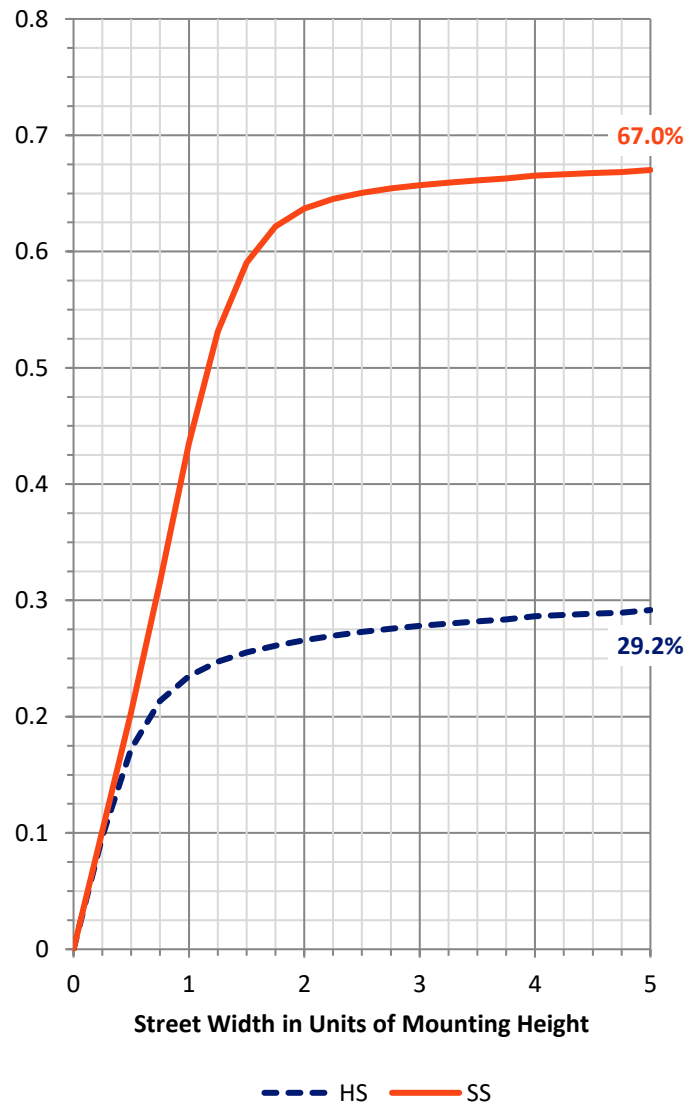
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	798.9	31.3	830.3
	% Fixture	30.1	1.2	31.3
<b>Street Side</b>	Lumens	1795.7	30.3	1826.0
	% Fixture	67.6	1.1	68.7
<b>Total</b>	Lumens	2594.7	61.6	2656.3
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	1.0
10°-20°	63.7	2.4
20°-30°	113.1	4.3
30°-40°	238.2	9.0
40°-50°	445.4	16.8
50°-60°	616.8	23.2
60°-70°	594.8	22.4
70°-80°	391.0	14.7
80°-90°	104.2	3.9
90°-100°	42.7	1.6
100°-110°	9.3	0.4
110°-120°	4.0	0.2
120°-130°	2.9	0.1
130°-140°	1.3	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2594.7	97.7
0°-180°	2656.3	100.0



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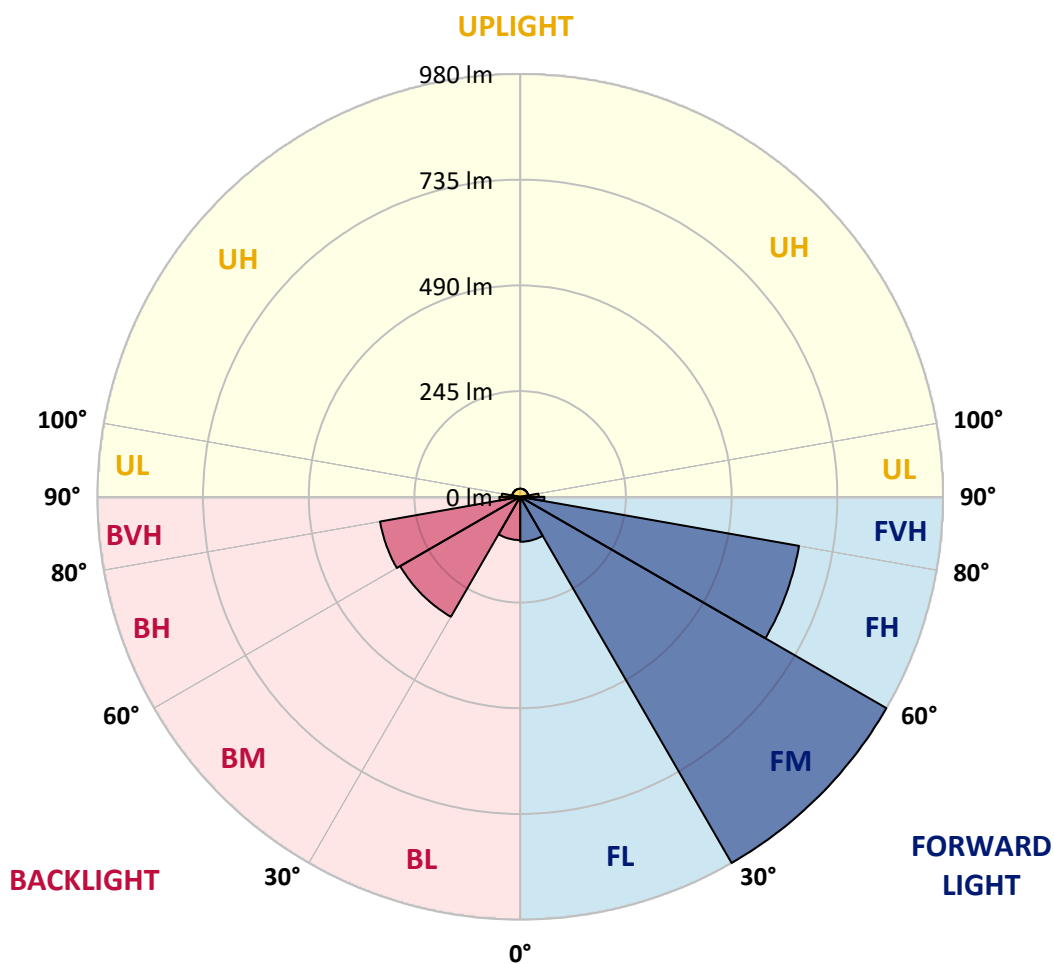
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.1	3.9			
FM	(30°-60°)	979.6	36.9			
FH	(60°-80°)	656.0	24.7			G0/660
FVH	(80°-90°)	56.1	2.1			G1/100
BL	(0°-30°)	100.2	3.8	B0/110		
BM	(30°-60°)	320.8	12.1	B1/1000		
BH	(60°-80°)	329.8	12.4	B1/500		G1/500
BVH	(80°-90°)	48.1	1.8			G1/100
UL	(90°-100°)	42.7	1.6		U2/50	
UH	(100°-180°)	18.8	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°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	287.0	310.3	303.2	325.5	330.6	335.7	336.7	337.7	336.7	337.7	339.7
5°	270.8	271.8	272.8	274.8	274.8	276.8	280.9	323.5	327.5	330.6	334.6
7.5°	226.1	236.3	255.5	262.6	265.7	269.7	271.8	271.8	275.8	286.0	293.1
10°	251.5	249.5	250.5	251.5	237.3	234.3	213.0	209.9	213.0	220.1	253.5
12.5°	210.9	221.1	242.4	247.4	230.2	203.8	200.8	204.8	203.8	183.5	215.0
15°	244.4	243.4	241.3	237.3	192.7	201.8	173.4	175.4	196.7	210.9	240.3
17.5°	213.0	211.9	240.3	232.2	202.8	157.2	197.7	183.5	200.8	185.6	198.8
20°	264.7	263.7	260.6	193.7	206.9	208.9	191.7	177.5	206.9	214.0	241.3
22.5°	240.3	240.3	259.6	254.5	209.9	221.1	182.5	216.0	193.7	196.7	182.5
25°	330.6	327.5	323.5	236.3	252.5	202.8	226.1	198.8	231.2	250.5	262.6
27.5°	320.4	314.4	310.3	313.3	253.5	265.7	224.1	247.4	266.7	274.8	306.2
30°	450.2	442.1	430.0	328.6	315.4	271.8	270.8	306.2	337.7	363.0	380.3
32.5°	574.0	576.0	513.1	441.1	348.8	363.0	322.5	359.0	369.1	395.5	405.6
35°	736.2	715.9	676.4	550.6	424.9	410.7	375.2	409.7	419.8	445.2	451.3
37.5°	864.0	865.0	804.2	662.2	509.1	496.9	435.0	470.5	488.8	517.2	507.0
40°	986.7	991.8	943.1	776.8	615.5	582.1	507.0	548.6	574.0	591.2	574.0
42.5°	1096.2	1095.2	1061.7	903.5	714.9	695.7	583.1	636.8	659.1	675.4	662.2
45°	1182.4	1179.4	1148.9	1007.0	832.6	858.9	682.5	738.2	761.6	779.8	747.4
47.5°	1211.8	1195.6	1182.4	1082.0	942.1	1002.9	805.2	836.6	864.0	895.4	842.7
50°	1180.4	1159.1	1164.2	1117.5	1034.4	1123.6	937.0	950.2	983.6	1011.0	932.9
52.5°	1049.6	1044.5	1072.9	1082.0	1073.9	1215.9	1085.1	1047.5	1113.5	1116.5	1026.2
55°	877.2	871.1	938.0	975.5	1036.4	1252.4	1210.8	1184.4	1227.0	1222.0	1109.4
57.5°	706.8	702.8	763.6	825.5	930.9	1232.1	1299.0	1334.5	1355.8	1327.4	1186.5
60°	473.6	481.7	586.1	669.3	761.6	1110.4	1332.5	1474.5	1484.6	1423.8	1267.6
62.5°	302.2	313.3	380.3	516.2	568.9	901.5	1308.2	1599.2	1593.1	1511.0	1342.6
65°	193.7	197.7	230.2	349.9	407.7	597.3	1199.6	1684.4	1685.4	1589.1	1402.5
67.5°	135.9	136.9	152.1	218.0	281.9	339.7	975.5	1660.0	1705.7	1615.4	1421.7
70°	121.7	122.7	126.8	148.1	214.0	210.9	591.2	1483.6	1630.6	1580.9	1392.3
72.5°	108.5	109.5	116.6	128.8	164.3	165.3	282.9	1181.4	1409.6	1458.2	1305.1
75°	90.3	92.3	100.4	120.7	126.8	138.9	189.6	830.5	1109.4	1256.4	1201.7
77.5°	76.1	77.1	83.2	102.4	110.5	112.6	162.3	460.4	766.6	924.8	1058.7
80°	60.8	60.8	65.9	81.1	91.3	92.3	145.0	243.4	424.9	559.8	736.2
82.5°	39.5	40.6	46.6	60.8	67.9	91.3	128.8	177.5	207.9	269.7	334.6
85°	25.4	25.4	29.4	34.5	40.6	70.0	113.6	147.0	155.2	169.3	152.1
87.5°	12.2	12.2	11.2	13.2	15.2	26.4	79.1	104.4	105.5	103.4	111.5
90°	10.1	10.1	8.1	9.1	10.1	14.2	59.8	102.4	101.4	105.5	115.6
92.5°	11.2	11.2	8.1	9.1	10.1	12.2	43.6	103.4	106.5	111.5	122.7
95°	12.2	12.2	8.1	8.1	9.1	11.2	27.4	89.2	107.5	112.6	126.8
97.5°	11.2	11.2	6.1	7.1	8.1	10.1	17.2	66.9	84.2	88.2	100.4
100°	10.1	10.1	5.1	6.1	7.1	8.1	11.2	34.5	36.5	27.4	38.5
102.5°	9.1	10.1	4.1	5.1	5.1	5.1	7.1	16.2	16.2	9.1	10.1
105°	9.1	10.1	4.1	4.1	3.0	4.1	4.1	6.1	7.1	5.1	8.1
107.5°	10.1	10.1	4.1	4.1	3.0	3.0	3.0	4.1	5.1	4.1	8.1
110°	9.1	9.1	3.0	4.1	2.0	2.0	2.0	3.0	4.1	4.1	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.1	6.1	3.0	4.1	2.0	2.0	2.0	3.0	4.1	5.1	11.2
115°	5.1	4.1	2.0	3.0	2.0	2.0	2.0	3.0	3.0	4.1	9.1
117.5°	5.1	4.1	2.0	2.0	1.0	2.0	2.0	3.0	3.0	4.1	8.1
120°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	2.0	3.0	5.1	9.1
122.5°	6.1	5.1	2.0	2.0	1.0	1.0	1.0	2.0	3.0	5.1	9.1
125°	6.1	6.1	3.0	2.0	1.0	1.0	1.0	2.0	3.0	4.1	8.1
127.5°	6.1	5.1	3.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	7.1
130°	5.1	5.1	3.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.1
132.5°	4.1	4.1	3.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
137.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	4.1	3.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	3.0	3.0	4.1	3.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0
157.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	340.7	340.7	343.8	344.8	343.8	342.8	336.7	318.4	307.3	308.3	308.3
5°	335.7	336.7	339.7	321.5	299.2	301.2	304.2	305.2	305.2	307.3	307.3
7.5°	296.1	297.1	289.0	292.1	299.2	304.2	306.2	301.2	285.0	278.9	278.9
10°	256.6	256.6	228.2	229.2	237.3	252.5	300.2	305.2	310.3	311.3	310.3
12.5°	217.0	218.0	194.7	224.1	214.0	241.3	276.8	306.2	282.9	259.6	262.6
15°	242.4	244.4	219.0	192.7	197.7	238.3	206.9	283.9	286.0	286.0	286.0
17.5°	194.7	205.9	193.7	198.8	219.0	179.5	234.3	259.6	238.3	232.2	232.2
20°	242.4	242.4	221.1	191.7	202.8	233.2	207.9	231.2	271.8	271.8	270.8
22.5°	180.5	180.5	193.7	222.1	203.8	230.2	220.1	239.3	216.0	216.0	222.1
25°	260.6	257.6	235.3	196.7	232.2	213.0	221.1	208.9	244.4	247.4	245.4
27.5°	314.4	312.3	252.5	226.1	218.0	227.2	198.8	194.7	187.6	216.0	213.0
30°	372.2	367.1	330.6	272.8	239.3	191.7	179.5	186.6	206.9	207.9	206.9
32.5°	399.5	388.4	347.8	326.5	244.4	197.7	161.2	166.3	205.9	218.0	218.0
35°	437.1	424.9	379.3	355.9	243.4	174.4	143.0	161.2	185.6	186.6	186.6
37.5°	488.8	470.5	432.0	373.2	227.2	154.1	131.8	143.0	160.2	165.3	167.3
40°	548.6	525.3	490.8	384.3	203.8	129.8	117.6	131.8	145.0	141.0	141.0
42.5°	632.8	598.3	548.6	401.6	174.4	114.6	107.5	120.7	129.8	131.8	130.8
45°	711.9	669.3	616.6	407.7	142.0	103.4	100.4	114.6	123.7	120.7	120.7
47.5°	801.1	747.4	667.3	393.5	116.6	97.4	100.4	110.5	114.6	119.7	119.7
50°	889.3	831.5	741.3	371.2	103.4	93.3	100.4	106.5	114.6	117.6	116.6
52.5°	969.5	918.7	785.9	331.6	96.3	90.3	97.4	106.5	116.6	121.7	121.7
55°	1056.7	1004.9	826.5	296.1	90.3	84.2	100.4	110.5	113.6	116.6	116.6
57.5°	1122.6	1082.0	871.1	264.7	86.2	84.2	102.4	115.6	114.6	117.6	117.6
60°	1202.7	1167.2	911.7	249.5	80.1	80.1	106.5	124.7	116.6	125.7	125.7
62.5°	1287.9	1266.6	951.2	238.3	74.0	78.1	107.5	131.8	120.7	134.9	135.9
65°	1370.0	1374.1	987.7	211.9	69.0	78.1	109.5	141.0	124.7	143.0	145.0
67.5°	1411.6	1445.1	997.8	170.4	63.9	77.1	115.6	148.1	130.8	151.1	152.1
70°	1403.5	1447.1	974.5	125.7	59.8	81.1	124.7	154.1	133.9	161.2	161.2
72.5°	1332.5	1363.9	905.6	95.3	55.8	78.1	126.8	156.2	135.9	177.5	177.5
75°	1232.1	1199.6	745.3	79.1	52.7	78.1	123.7	154.1	133.9	173.4	172.4
77.5°	1068.8	960.3	514.1	70.0	49.7	75.0	115.6	150.1	127.8	161.2	163.3
80°	685.5	591.2	262.6	60.8	52.7	72.0	111.5	138.9	118.6	144.0	145.0
82.5°	312.3	262.6	119.7	53.7	51.7	64.9	101.4	123.7	103.4	122.7	121.7
85°	131.8	133.9	94.3	45.6	45.6	50.7	75.0	96.3	80.1	86.2	84.2
87.5°	102.4	98.4	64.9	27.4	29.4	22.3	48.7	69.0	52.7	55.8	54.8
90°	108.5	106.5	69.0	28.4	21.3	13.2	36.5	53.7	39.5	35.5	34.5
92.5°	115.6	114.6	77.1	30.4	21.3	11.2	31.4	43.6	28.4	24.3	23.3
95°	123.7	123.7	84.2	32.5	21.3	11.2	28.4	33.5	21.3	16.2	15.2
97.5°	98.4	100.4	72.0	33.5	20.3	11.2	25.4	27.4	16.2	9.1	9.1
100°	39.5	43.6	39.5	33.5	18.3	9.1	20.3	21.3	11.2	5.1	5.1
102.5°	9.1	11.2	27.4	29.4	14.2	6.1	13.2	13.2	7.1	3.0	3.0
105°	9.1	8.1	18.3	23.3	8.1	4.1	6.1	8.1	4.1	2.0	2.0
107.5°	9.1	9.1	8.1	11.2	4.1	3.0	3.0	3.0	2.0	2.0	2.0
110°	10.1	9.1	4.1	4.1	3.0	3.0	2.0	2.0	1.0	6.1	7.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.2	11.2	5.1	4.1	3.0	3.0	2.0	2.0	3.0	10.1	10.1
115°	10.1	9.1	5.1	3.0	3.0	3.0	2.0	1.0	3.0	11.2	11.2
117.5°	9.1	8.1	5.1	3.0	2.0	3.0	2.0	1.0	3.0	11.2	11.2
120°	10.1	9.1	5.1	3.0	2.0	2.0	2.0	1.0	3.0	10.1	10.1
122.5°	10.1	10.1	6.1	2.0	2.0	1.0	2.0	1.0	3.0	9.1	9.1
125°	9.1	8.1	5.1	2.0	1.0	1.0	1.0	1.0	4.1	8.1	9.1
127.5°	8.1	7.1	4.1	2.0	1.0	1.0	1.0	1.0	3.0	6.1	7.1
130°	6.1	6.1	3.0	2.0	1.0	1.0	1.0	1.0	3.0	6.1	5.1
132.5°	4.1	4.1	3.0	2.0	1.0	1.0	1.0	1.0	3.0	4.1	4.1
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	3.0	3.0	2.0
155°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	1.0	0.0
160°	0.0	0.0	1.0	1.0	1.0	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)