

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: P559995

Luminaire Tested: **SDL-PA1-20-727-U-T3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-727-U-T3  
Description: Springdale  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2295.7 lumens  
Efficiency: N/A  
Efficacy: 109.3 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 - U0 - G1

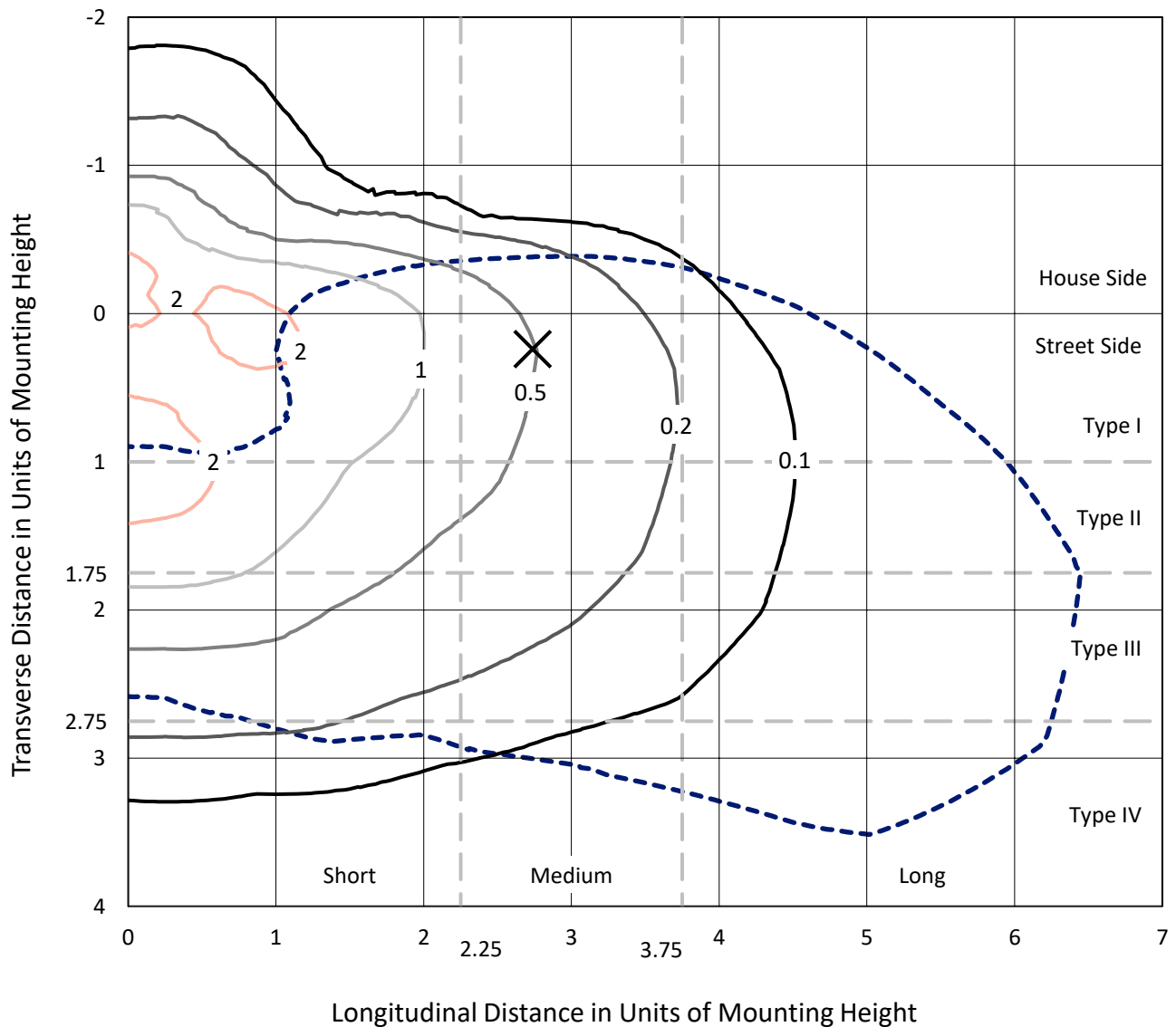
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

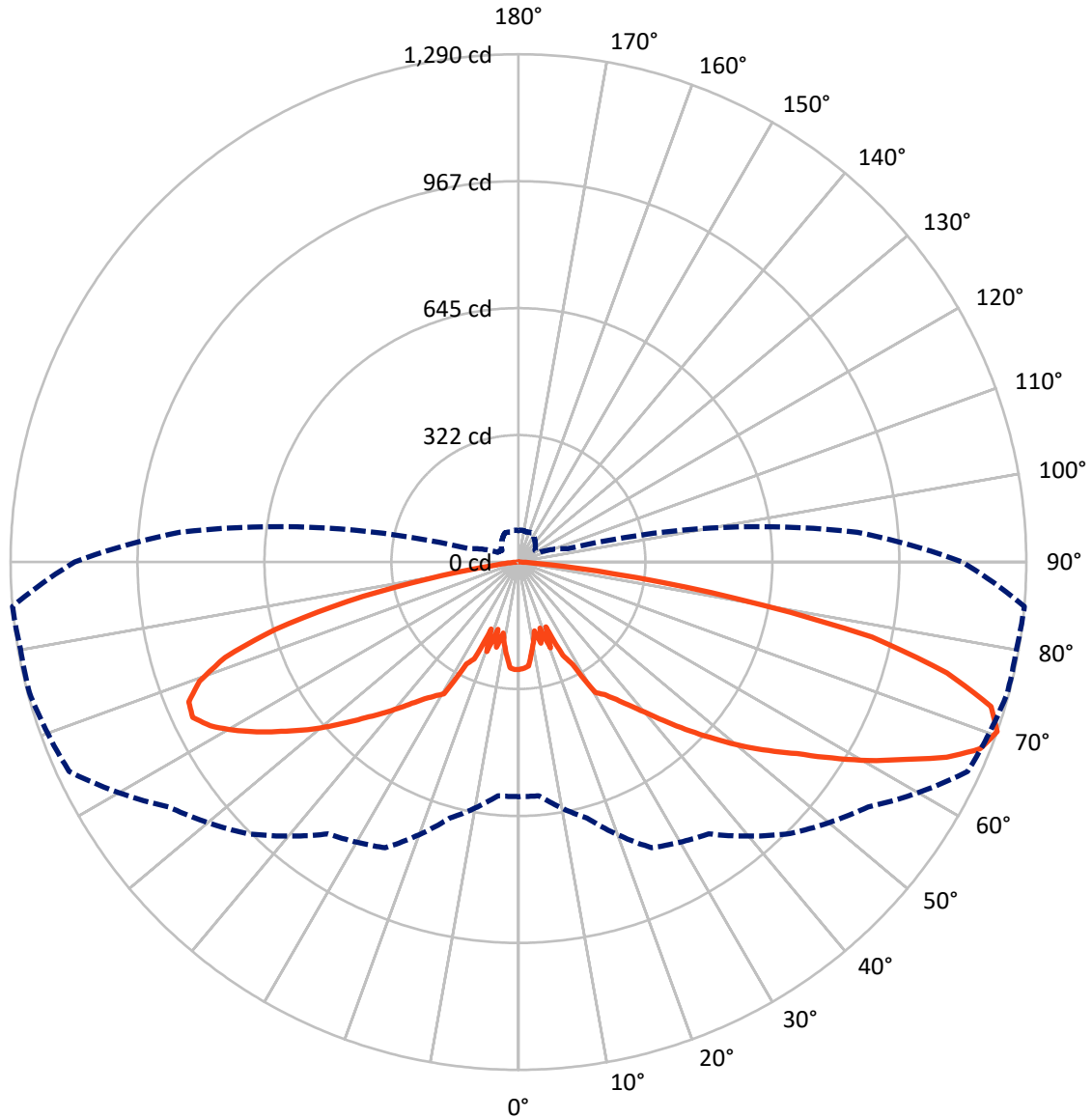
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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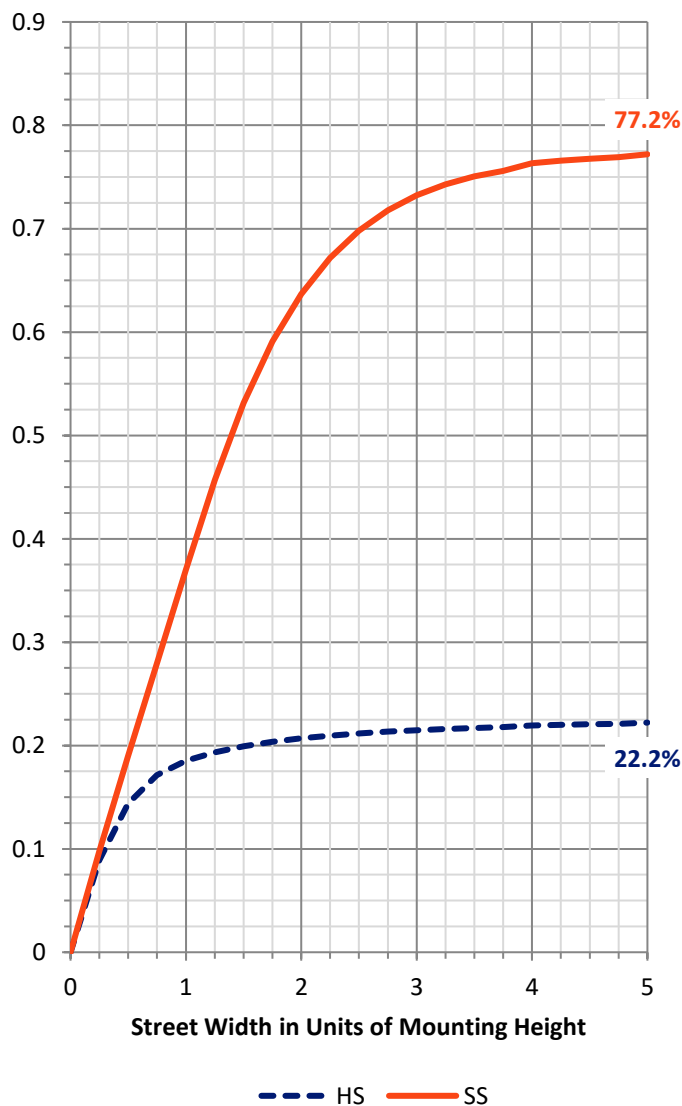
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	519.1	0.0	519.1
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	1776.6	0.0	1776.6
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	2295.7	0.0	2295.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.2	1.0
10°-20°	55.4	2.4
20°-30°	101.3	4.4
30°-40°	191.3	8.3
40°-50°	311.7	13.6
50°-60°	480.8	20.9
60°-70°	589.3	25.7
70°-80°	461.5	20.1
80°-90°	82.2	3.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2295.7	100.0
0°-180°	2295.7	100.0

**Coefficient of Utilization**



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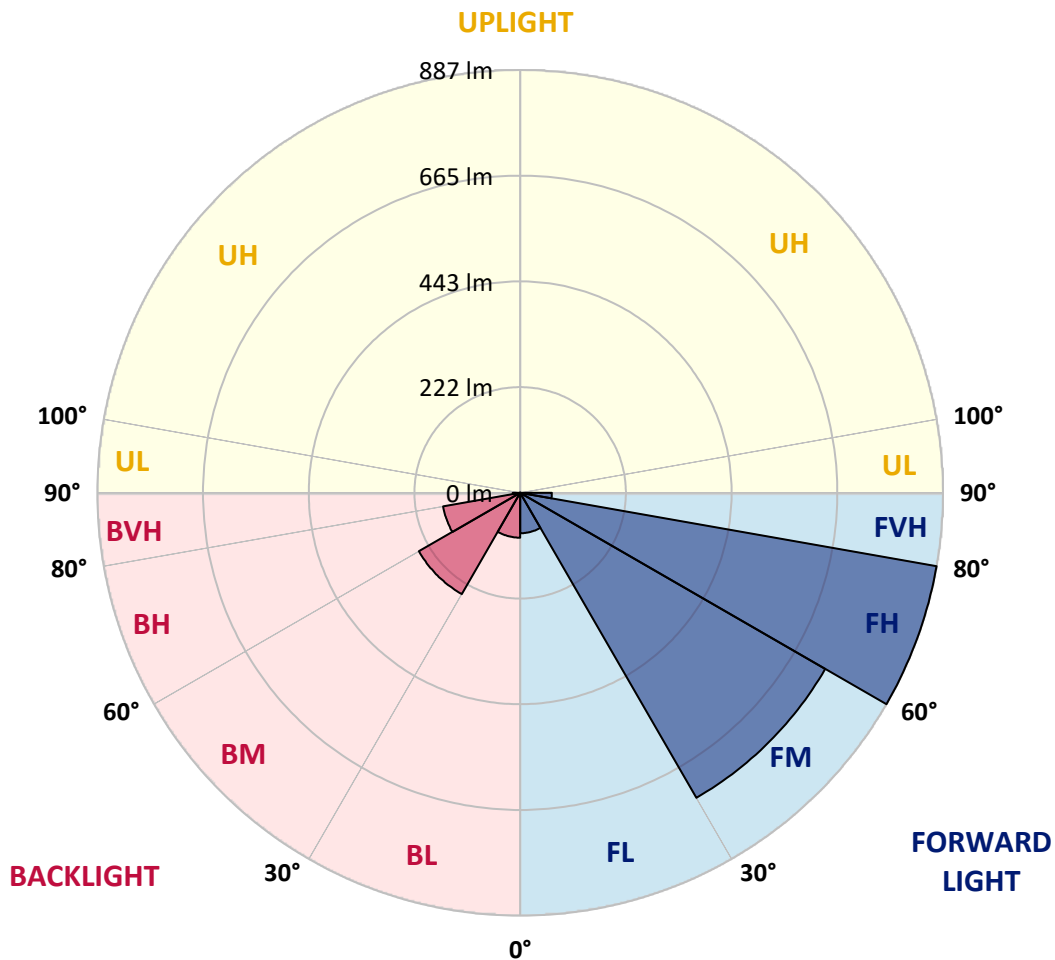
CATALOG NUMBER: SDL-PA1-20-727-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	84.8	3.7			
FM (30°-60°)	738.6	32.2			
FH (60°-80°)	886.7	38.6			G1/1800
FVH (80°-90°)	66.6	2.9			G1/100
BL (0°-30°)	94.1	4.1	B0/110		
BM (30°-60°)	245.2	10.7	B1/1000		
BH (60°-80°)	164.1	7.1	B1/500		G1/500
BVH (80°-90°)	15.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	224.9	245.0	245.0	245.0	249.2	252.6	254.2	255.1	258.4	260.9	262.6
5°	209.8	210.6	210.6	210.6	211.4	212.3	213.1	214.0	215.6	216.5	219.0
7.5°	176.2	179.6	186.3	192.1	196.3	200.5	203.9	206.4	208.1	209.8	210.6
10°	196.3	196.3	196.3	196.3	196.3	196.3	186.3	176.2	177.0	177.0	172.0
12.5°	164.5	169.5	177.0	183.8	189.6	194.7	187.9	181.2	168.6	156.1	156.1
15°	190.5	190.5	189.6	188.8	177.9	167.0	156.9	146.8	153.5	160.3	148.5
17.5°	163.6	164.5	174.5	183.8	182.1	179.6	170.3	160.3	144.3	127.5	144.3
20°	209.8	207.2	202.2	197.2	173.7	150.2	154.4	158.6	162.8	166.1	166.1
22.5°	193.0	194.7	198.0	201.4	198.9	195.5	171.2	146.8	161.1	175.4	162.8
25°	264.3	264.3	254.2	244.2	219.0	193.0	197.2	200.5	176.2	151.0	172.0
27.5°	244.2	242.5	238.3	233.3	238.3	242.5	220.7	198.0	204.7	211.4	193.8
30°	324.7	324.7	320.5	316.3	280.2	243.3	240.8	237.5	223.2	208.1	218.2
32.5°	389.3	388.5	369.2	349.9	329.7	308.8	287.0	264.3	262.6	260.9	259.3
35°	466.5	466.5	455.6	444.7	400.2	354.9	328.9	302.9	295.3	287.8	293.7
37.5°	510.1	516.0	511.8	506.8	458.1	408.6	372.5	335.6	328.1	320.5	323.0
40°	570.6	568.9	568.0	566.4	510.1	453.9	415.3	375.9	370.9	365.8	365.8
42.5°	662.0	652.8	642.7	631.8	574.8	517.7	474.9	431.3	422.0	412.0	412.8
45°	787.9	777.8	754.3	730.0	672.1	614.2	557.1	500.1	484.1	467.4	465.7
47.5°	865.1	854.2	842.4	829.8	767.7	705.6	646.9	587.3	563.8	540.3	531.1
50°	944.8	934.7	925.5	916.2	861.7	807.2	748.4	689.7	652.8	615.9	599.9
52.5°	1020.3	1001.8	992.6	983.4	937.2	890.2	829.0	767.7	740.0	712.4	678.0
55°	1057.2	1034.6	1031.2	1027.0	992.6	957.4	898.6	839.9	808.8	777.0	742.6
57.5°	1005.2	1006.9	1025.3	1043.8	1024.5	1005.2	949.8	894.4	863.4	832.3	806.3
60°	958.2	970.8	993.4	1016.1	1017.8	1018.6	989.2	959.9	925.5	891.1	870.9
62.5°	893.6	902.8	938.1	972.5	998.5	1023.6	993.4	963.2	951.5	938.9	926.3
65°	806.3	808.8	849.1	888.6	935.5	981.7	958.2	934.7	954.8	974.1	975.8
67.5°	699.8	707.3	746.8	786.2	843.2	899.5	898.6	897.8	940.6	982.5	1011.9
70°	595.7	595.7	634.3	672.9	736.7	800.5	821.4	842.4	908.7	975.0	1029.5
72.5°	448.9	469.9	490.0	510.1	581.5	651.9	698.1	744.2	843.2	941.4	1024.5
75°	247.5	249.2	266.8	284.4	355.8	427.1	496.7	566.4	698.9	831.5	962.4
77.5°	81.4	78.9	88.9	98.2	140.1	181.2	240.0	298.7	444.7	590.7	801.3
80°	45.3	46.1	49.5	52.9	66.3	78.9	107.4	135.9	198.0	259.3	509.3
82.5°	30.2	31.0	34.4	37.8	43.6	49.5	65.4	80.5	86.4	91.5	229.9
85°	19.3	20.1	21.8	23.5	25.2	26.0	36.9	47.8	43.6	39.4	68.8
87.5°	4.2	4.2	5.0	5.0	5.9	6.7	8.4	10.1	9.2	7.6	10.1
90°	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	263.5	265.1	266.0	266.8	267.7	269.3	270.2	271.0	272.7	273.5	273.5
5°	221.5	236.6	250.9	255.9	260.9	263.5	265.1	267.7	269.3	271.0	272.7
7.5°	211.4	212.3	213.1	219.0	224.9	229.9	234.9	236.6	240.8	238.3	234.9
10°	166.1	167.0	167.0	172.8	178.7	196.3	208.1	210.6	213.1	203.1	192.1
12.5°	155.2	159.4	163.6	161.1	158.6	171.2	179.6	182.9	184.6	177.9	171.2
15°	135.9	140.1	143.5	162.8	182.1	198.9	214.0	218.2	223.2	212.3	200.5
17.5°	161.1	159.4	156.9	160.3	163.6	167.8	176.2	178.7	178.7	182.1	185.4
20°	166.1	147.7	129.2	163.6	198.0	213.1	232.4	239.1	240.8	231.6	222.3
22.5°	149.4	170.3	191.3	187.1	182.9	178.7	178.7	181.2	183.8	185.4	187.1
25°	192.1	174.5	156.9	197.2	237.5	253.4	262.6	266.8	270.2	258.4	245.8
27.5°	176.2	199.7	222.3	240.0	257.6	275.2	294.5	313.0	290.3	279.4	268.5
30°	227.4	246.7	266.0	307.9	349.9	372.5	384.3	384.3	384.3	368.3	351.6
32.5°	257.6	291.2	324.7	347.4	369.2	391.8	401.1	401.1	401.1	381.8	361.6
35°	298.7	325.6	352.4	378.4	404.4	422.0	428.8	426.2	421.2	395.2	369.2
37.5°	325.6	361.6	397.7	424.6	450.6	461.5	464.0	456.4	448.9	414.5	379.3
40°	365.8	405.3	443.9	472.4	500.9	510.1	505.1	495.0	481.6	435.5	389.3
42.5°	412.8	452.2	491.7	525.2	558.0	563.8	556.3	540.3	516.9	453.9	390.2
45°	464.0	503.4	542.0	579.8	617.5	621.7	611.7	588.2	553.8	471.5	389.3
47.5°	521.1	552.1	583.1	636.8	690.5	685.5	670.4	643.6	598.2	492.5	386.0
50°	584.0	608.3	631.8	698.9	766.1	751.0	734.2	704.8	645.2	516.9	387.6
52.5°	642.7	666.2	689.7	759.3	828.1	813.9	795.4	769.4	693.1	542.9	391.8
55°	708.2	733.3	758.5	832.3	906.2	881.8	858.3	841.6	740.0	564.7	389.3
57.5°	779.5	811.4	843.2	911.2	978.3	952.3	938.9	917.1	792.1	590.7	389.3
60°	850.8	889.4	928.0	987.6	1047.1	1026.2	1023.6	993.4	840.7	610.0	378.4
62.5°	913.7	971.6	1029.5	1076.5	1122.7	1102.5	1103.4	1068.1	886.0	614.2	341.5
65°	977.5	1052.2	1126.0	1160.4	1194.8	1180.5	1194.8	1131.9	916.2	597.4	278.6
67.5°	1040.4	1122.7	1204.9	1230.9	1256.9	1248.5	1265.3	1152.9	909.5	553.8	197.2
70°	1084.1	1171.3	1258.6	1272.0	1285.4	1283.7	1289.6	1126.8	864.2	497.6	130.1
72.5°	1107.5	1189.8	1271.2	1277.0	1282.1	1279.6	1255.2	1045.5	782.8	436.3	89.8
75°	1092.4	1172.2	1251.9	1240.1	1228.4	1204.9	1123.5	900.3	641.9	354.1	66.3
77.5°	1011.9	1098.3	1184.7	1154.5	1123.5	1054.7	917.9	674.6	446.4	249.2	51.2
80°	759.3	865.9	972.5	936.4	899.5	754.3	558.8	377.6	230.7	135.1	39.4
82.5°	367.5	427.1	486.6	477.4	468.2	346.5	241.6	135.9	66.3	48.7	31.0
85°	97.3	144.3	191.3	182.9	174.5	92.3	40.3	35.2	26.0	24.3	21.8
87.5°	11.7	13.4	14.3	10.1	5.0	4.2	4.2	2.5	2.5	3.4	3.4
90°	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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	275.2	276.0	276.0	276.0	276.0	276.0	269.3	262.6	260.9	259.3	255.9
5°	265.1	256.7	250.9	245.0	245.0	244.2	246.7	249.2	250.9	251.7	252.6
7.5°	235.8	236.6	241.6	245.8	250.0	253.4	255.9	257.6	255.9	253.4	243.3
10°	193.0	193.8	198.0	201.4	207.2	212.3	226.5	240.0	255.9	271.9	276.0
12.5°	183.8	195.5	188.8	182.1	200.5	218.2	236.6	254.2	266.8	278.6	270.2
15°	187.1	173.7	176.2	178.7	201.4	224.0	210.6	196.3	229.9	263.5	271.0
17.5°	186.3	186.3	198.9	211.4	190.5	168.6	199.7	229.9	243.3	255.9	245.8
20°	198.9	174.5	183.8	192.1	208.9	224.9	211.4	198.0	203.1	208.1	240.8
22.5°	207.2	226.5	205.6	183.8	198.9	214.0	211.4	208.9	224.0	239.1	230.7
25°	216.5	186.3	201.4	215.6	198.9	181.2	194.7	207.2	203.1	198.9	224.9
27.5°	248.4	227.4	208.1	188.8	198.9	208.1	198.0	187.1	191.3	195.5	193.8
30°	300.4	248.4	224.0	199.7	187.1	173.7	174.5	175.4	180.4	185.4	199.7
32.5°	313.8	266.0	230.7	195.5	187.1	178.7	171.2	162.8	170.3	177.9	194.7
35°	317.2	264.3	226.5	188.8	175.4	161.9	156.9	151.9	164.5	177.0	192.1
37.5°	315.5	250.9	210.6	170.3	160.3	150.2	147.7	144.3	152.7	160.3	171.2
40°	311.3	233.3	193.0	152.7	144.3	135.9	134.2	132.6	138.4	144.3	151.0
42.5°	303.7	216.5	176.2	135.9	130.1	124.2	122.5	120.0	125.0	130.1	132.6
45°	294.5	199.7	161.9	123.3	119.1	114.1	111.6	108.2	113.3	117.5	118.3
47.5°	285.3	183.8	149.4	114.1	110.8	106.6	104.0	100.7	104.9	108.2	109.1
50°	277.7	167.0	135.9	104.9	101.5	98.2	95.7	93.1	97.3	100.7	100.7
52.5°	273.5	154.4	124.2	94.0	92.3	90.6	89.8	88.1	91.5	94.8	95.7
55°	263.5	136.8	110.8	83.9	84.7	84.7	83.9	82.2	88.9	94.8	97.3
57.5°	252.6	115.8	96.5	76.4	78.0	79.7	80.5	81.4	88.9	95.7	99.0
60°	238.3	98.2	83.9	69.6	72.2	73.8	78.0	81.4	88.1	94.8	96.5
62.5°	213.1	83.9	73.8	63.8	67.1	70.5	75.5	80.5	85.6	90.6	90.6
65°	176.2	73.0	66.3	58.7	63.8	68.0	73.8	79.7	83.9	87.3	86.4
67.5°	131.7	65.4	60.4	54.5	60.4	65.4	70.5	75.5	80.5	85.6	83.9
70°	94.8	58.7	55.4	51.2	56.2	61.3	66.3	71.3	76.4	81.4	80.5
72.5°	72.2	53.7	50.3	47.0	52.0	56.2	62.1	68.0	73.0	78.0	76.4
75°	57.9	48.7	46.1	42.8	47.8	52.9	58.7	63.8	68.8	73.8	72.2
77.5°	47.8	43.6	41.1	38.6	42.8	47.0	52.9	58.7	63.8	68.0	66.3
80°	38.6	36.9	35.2	32.7	37.8	42.0	47.8	52.9	57.1	61.3	58.7
82.5°	30.2	29.4	28.5	26.8	31.0	35.2	41.1	47.0	50.3	53.7	52.0
85°	22.7	22.7	21.8	21.0	24.3	26.8	30.2	32.7	36.1	38.6	36.9
87.5°	3.4	3.4	5.0	5.9	5.9	5.9	8.4	10.9	10.9	10.1	8.4
90°	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):**

	165°	170°	175°	180°
0°	272.7	272.7	272.7	272.7
2.5°	252.6	252.6	252.6	253.4
5°	253.4	254.2	254.2	255.9
7.5°	232.4	231.6	230.7	230.7
10°	279.4	281.1	281.9	283.6
12.5°	260.9	250.9	240.8	240.8
15°	278.6	280.2	281.1	282.8
17.5°	235.8	234.9	234.1	232.4
20°	272.7	274.4	275.2	275.2
22.5°	222.3	222.3	221.5	221.5
25°	250.9	250.9	250.9	252.6
27.5°	191.3	197.2	203.1	210.6
30°	214.0	214.8	215.6	215.6
32.5°	211.4	222.3	233.3	234.9
35°	207.2	207.2	206.4	207.2
37.5°	182.1	179.6	176.2	177.9
40°	156.9	151.0	145.2	144.3
42.5°	135.1	130.1	124.2	124.2
45°	119.1	115.8	111.6	109.9
47.5°	109.1	105.7	102.4	101.5
50°	99.8	96.5	93.1	93.1
52.5°	96.5	94.0	90.6	89.8
55°	99.8	94.8	89.8	88.1
57.5°	101.5	95.7	89.8	87.3
60°	97.3	94.0	89.8	86.4
62.5°	89.8	88.1	86.4	84.7
65°	84.7	84.7	83.9	82.2
67.5°	82.2	83.1	83.1	81.4
70°	78.9	80.5	81.4	79.7
72.5°	74.7	75.5	75.5	73.0
75°	69.6	68.8	68.0	66.3
77.5°	63.8	62.9	61.3	59.6
80°	56.2	55.4	54.5	52.0
82.5°	49.5	51.2	52.0	42.8
85°	34.4	31.0	27.7	22.7
87.5°	6.7	5.0	2.5	2.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)