

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: P561183

Luminaire Tested: **SDL-PA1-80-830-U-T3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561183  
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-PA1-80-830-U-T3  
Description: Springdale  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7385.3 lumens  
Efficiency: N/A  
Efficacy: 90.1 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: B2 - U0 - G2

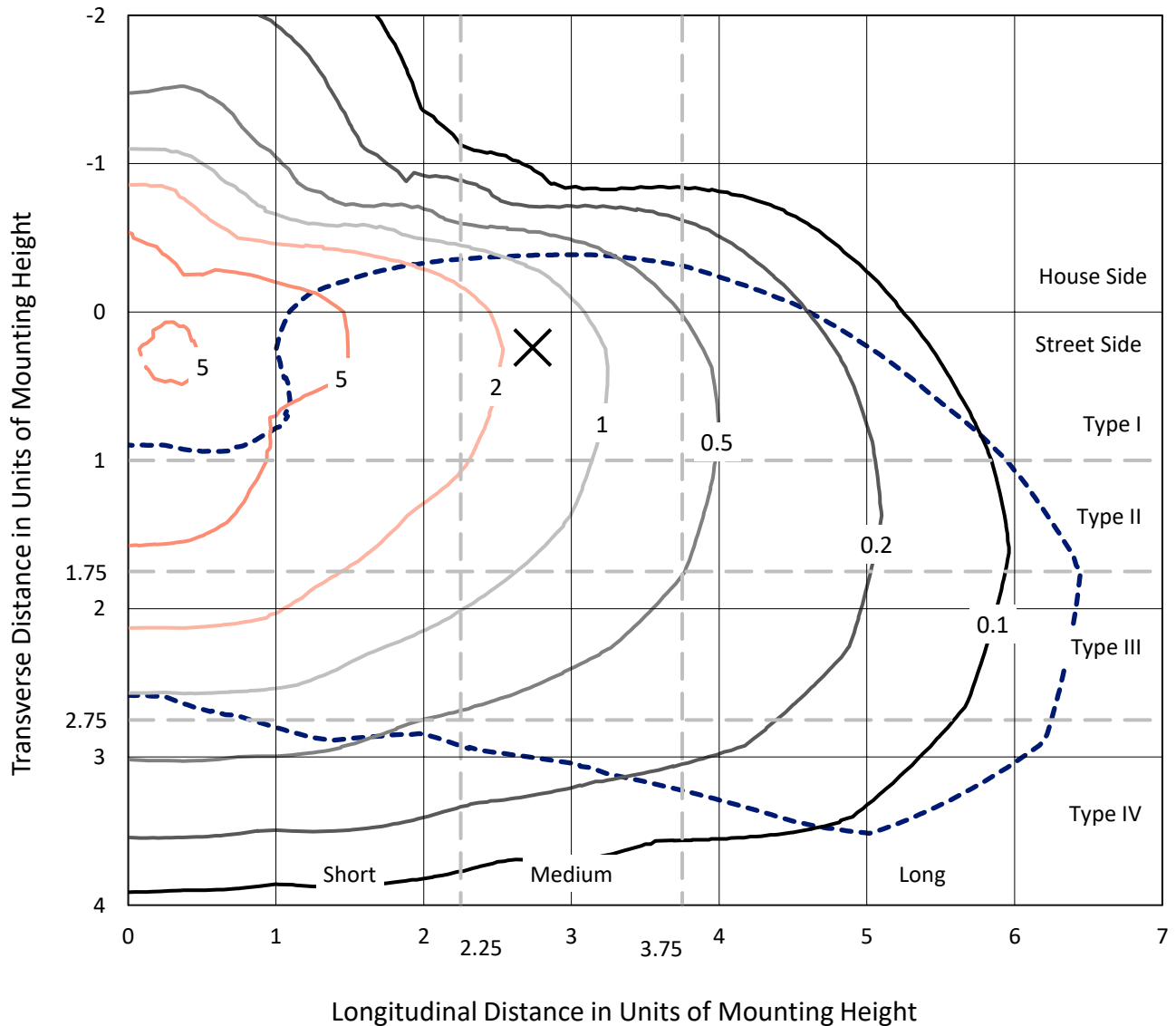
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

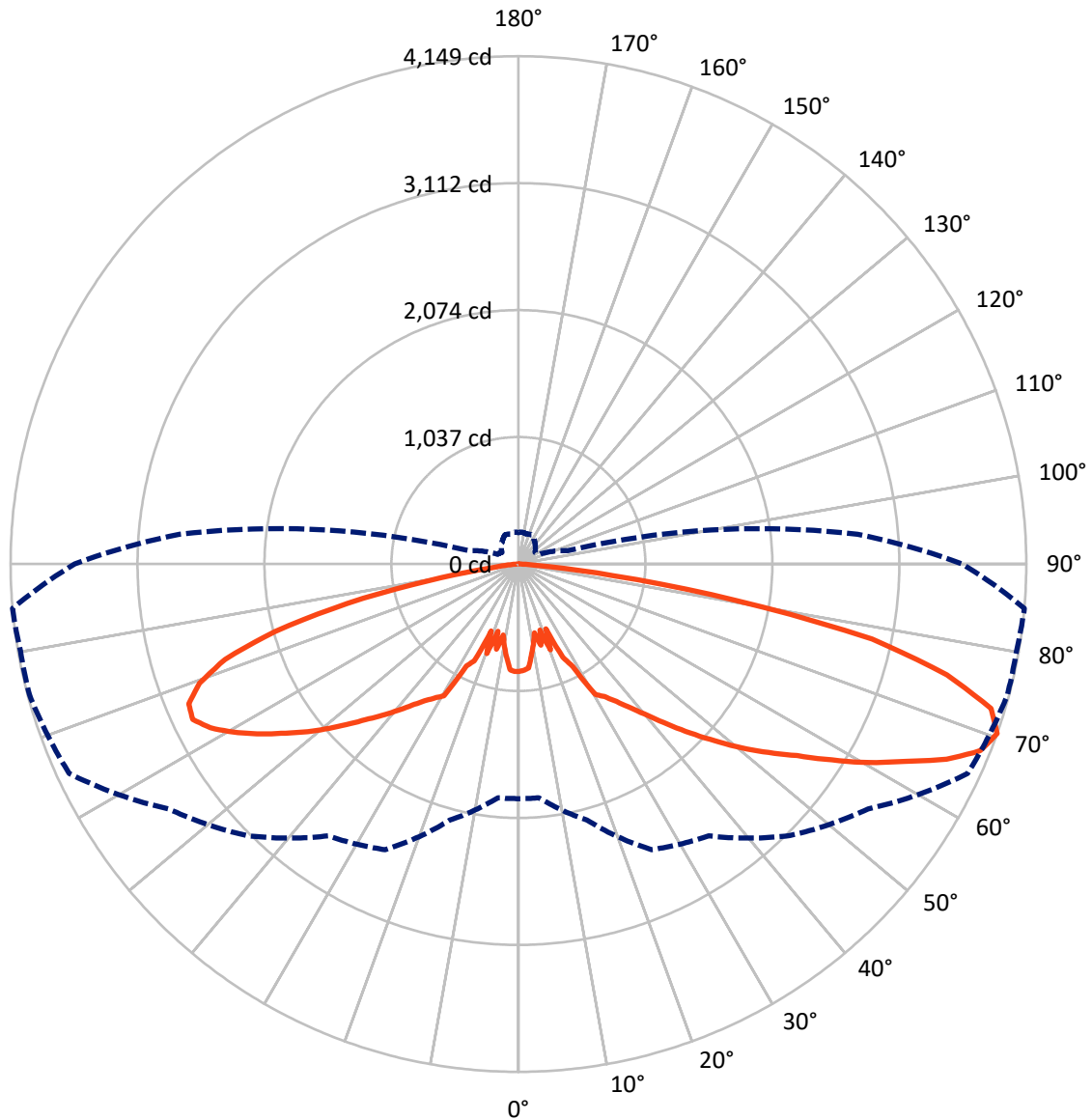
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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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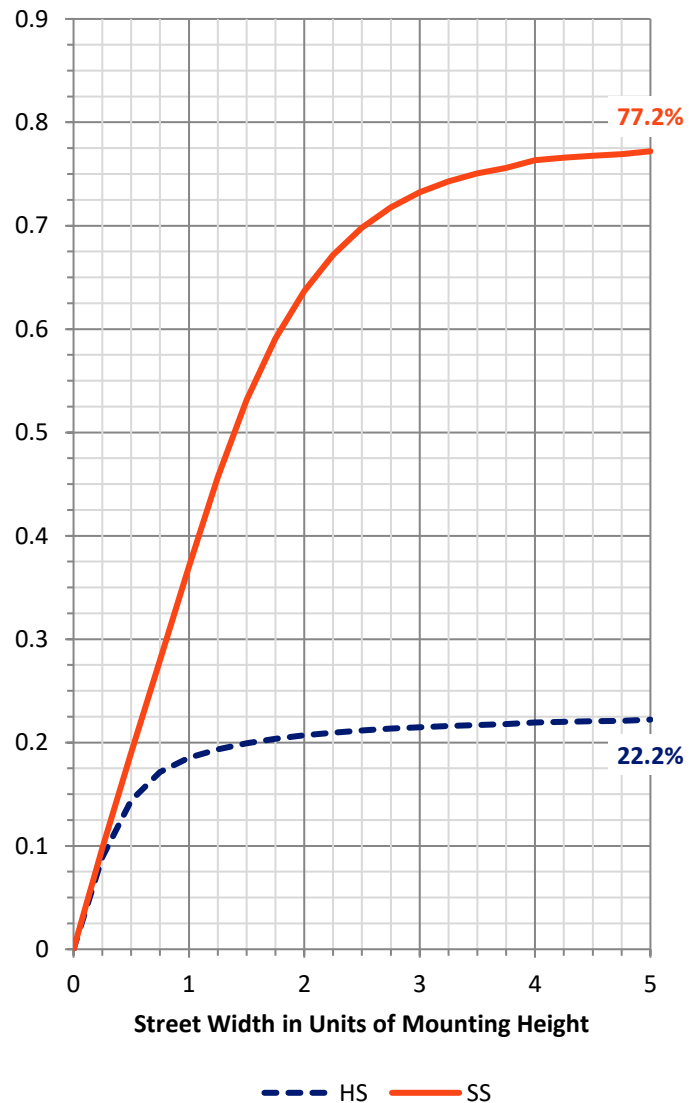
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1669.8	0.0	1669.8
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	5715.5	0.0	5715.5
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	7385.3	0.0	7385.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.3	1.0
10°-20°	178.3	2.4
20°-30°	325.9	4.4
30°-40°	615.5	8.3
40°-50°	1002.6	13.6
50°-60°	1546.7	20.9
60°-70°	1895.8	25.7
70°-80°	1484.7	20.1
80°-90°	264.4	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°	7385.3	100.0
0°-180°	7385.3	100.0



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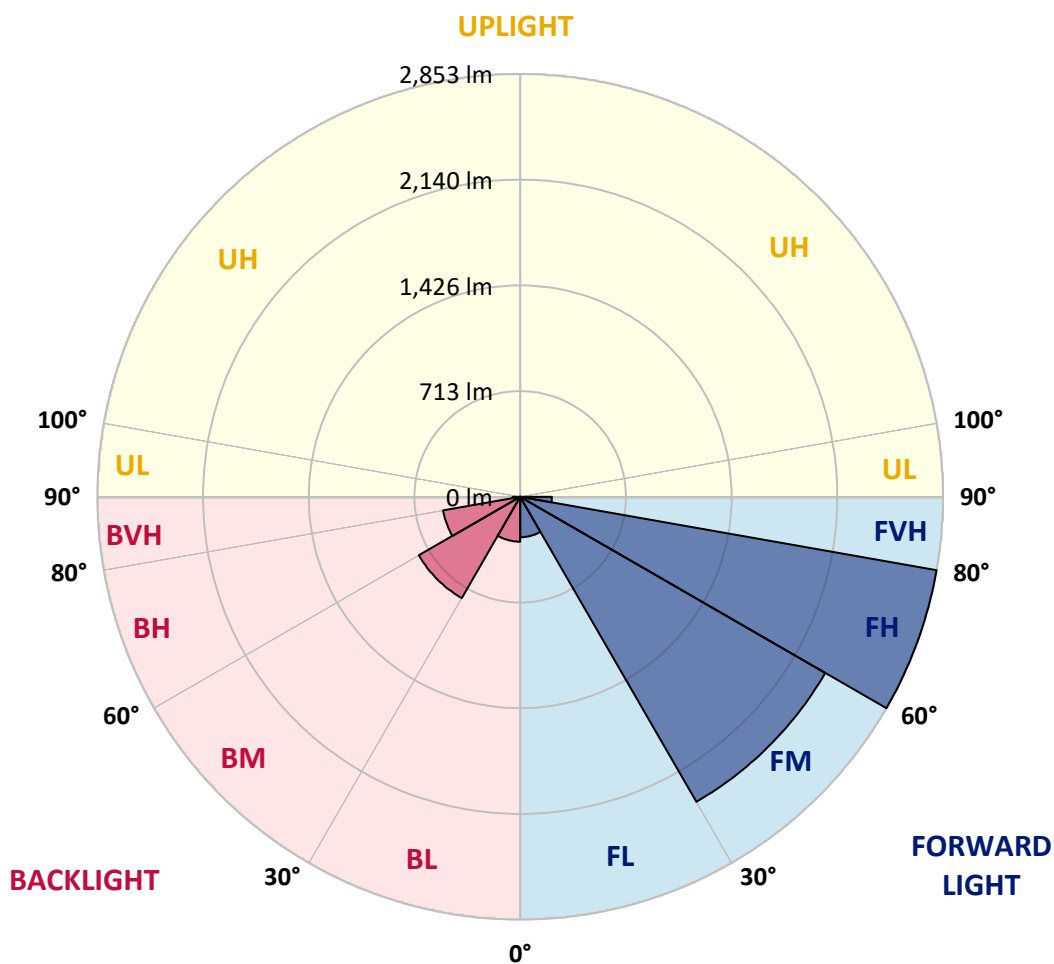
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.7	3.7			
FM (30°-60°)	2376.0	32.2			
FH (60°-80°)	2852.7	38.6			G2/5000
FVH (80°-90°)	214.1	2.9			G2/225
BL (0°-30°)	302.9	4.1	B1/500		
BM (30°-60°)	788.8	10.7	B1/1000		
BH (60°-80°)	527.9	7.1	B2/1000		G2/1000
BVH (80°-90°)	50.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2.5°	723.4	788.2	788.2	788.2	801.7	812.5	817.9	820.6	831.4	839.5	844.9
5°	674.8	677.5	677.5	677.5	680.2	682.9	685.6	688.3	693.7	696.4	704.5
7.5°	566.8	577.6	599.2	618.1	631.6	645.1	655.9	664.0	669.4	674.8	677.5
10°	631.6	631.6	631.6	631.6	631.6	631.6	599.2	566.8	569.5	569.5	553.4
12.5°	529.1	545.3	569.5	591.1	610.0	626.2	604.6	583.0	542.6	502.1	502.1
15°	612.7	612.7	610.0	607.3	572.2	537.2	504.8	472.4	494.0	515.6	477.8
17.5°	526.4	529.1	561.5	591.1	585.7	577.6	548.0	515.6	464.3	410.3	464.3
20°	674.8	666.7	650.5	634.3	558.8	483.2	496.7	510.2	523.7	534.5	534.5
22.5°	620.8	626.2	637.0	647.8	639.7	628.9	550.7	472.4	518.3	564.1	523.7
25°	850.3	850.3	817.9	785.5	704.5	620.8	634.3	645.1	566.8	485.9	553.4
27.5°	785.5	780.1	766.6	750.4	766.6	780.1	709.9	637.0	658.6	680.2	623.5
30°	1044.6	1044.6	1031.1	1017.6	901.6	782.8	774.7	763.9	718.0	669.4	701.8
32.5°	1252.5	1249.8	1187.7	1125.6	1060.8	993.3	923.2	850.3	844.9	839.5	834.1
35°	1500.8	1500.8	1465.7	1430.6	1287.6	1141.8	1058.1	974.4	950.1	925.9	944.7
37.5°	1641.2	1660.1	1646.6	1630.4	1473.8	1314.5	1198.5	1079.7	1055.4	1031.1	1039.2
40°	1835.5	1830.1	1827.4	1822.0	1641.2	1460.3	1336.1	1209.3	1193.1	1176.9	1176.9
42.5°	2129.7	2100.0	2067.6	2032.6	1849.0	1665.5	1527.8	1387.4	1357.7	1325.3	1328.0
45°	2534.6	2502.2	2426.7	2348.4	2162.1	1975.9	1792.3	1608.8	1557.5	1503.5	1498.1
47.5°	2783.0	2747.9	2710.1	2669.6	2469.8	2270.1	2081.1	1889.5	1813.9	1738.3	1708.6
50°	3039.4	3007.0	2977.3	2947.6	2772.2	2596.7	2407.8	2218.8	2100.0	1981.3	1930.0
52.5°	3282.3	3222.9	3193.2	3163.6	3015.1	2863.9	2666.9	2469.8	2380.8	2291.7	2181.0
55°	3401.1	3328.2	3317.4	3303.9	3193.2	3079.9	2890.9	2702.0	2602.1	2499.5	2388.9
57.5°	3233.7	3239.1	3298.5	3357.9	3295.8	3233.7	3055.6	2877.4	2777.6	2677.7	2594.0
60°	3082.6	3123.1	3195.9	3268.8	3274.2	3276.9	3182.5	3088.0	2977.3	2866.6	2801.9
62.5°	2874.7	2904.4	3017.8	3128.5	3212.1	3293.1	3195.9	3098.8	3061.0	3020.5	2980.0
65°	2594.0	2602.1	2731.7	2858.5	3009.7	3158.2	3082.6	3007.0	3071.8	3133.9	3139.3
67.5°	2251.2	2275.5	2402.4	2529.2	2712.8	2893.6	2890.9	2888.2	3025.9	3160.9	3255.3
70°	1916.5	1916.5	2040.7	2164.8	2370.0	2575.1	2642.6	2710.1	2923.3	3136.6	3312.0
72.5°	1444.1	1511.6	1576.4	1641.2	1870.6	2097.3	2245.8	2394.3	2712.8	3028.6	3295.8
75°	796.3	801.7	858.4	915.1	1144.5	1373.9	1598.0	1822.0	2248.5	2675.0	3096.1
77.5°	261.8	253.7	286.1	315.8	450.8	583.0	772.0	960.9	1430.6	1900.3	2577.8
80°	145.8	148.5	159.3	170.1	213.2	253.7	345.5	437.3	637.0	834.1	1638.5
82.5°	97.2	99.9	110.7	121.5	140.4	159.3	210.5	259.1	278.0	294.2	739.6
85°	62.1	64.8	70.2	75.6	81.0	83.7	118.8	153.9	140.4	126.9	221.3
87.5°	13.5	13.5	16.2	16.2	18.9	21.6	27.0	32.4	29.7	24.3	32.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2.5°	847.6	853.0	855.7	858.4	861.1	866.5	869.2	871.9	877.3	880.0	880.0
5°	712.6	761.2	807.1	823.3	839.5	847.6	853.0	861.1	866.5	871.9	877.3
7.5°	680.2	682.9	685.6	704.5	723.4	739.6	755.8	761.2	774.7	766.6	755.8
10°	534.5	537.2	537.2	556.1	574.9	631.6	669.4	677.5	685.6	653.2	618.1
12.5°	499.4	512.9	526.4	518.3	510.2	550.7	577.6	588.4	593.8	572.2	550.7
15°	437.3	450.8	461.6	523.7	585.7	639.7	688.3	701.8	718.0	682.9	645.1
17.5°	518.3	512.9	504.8	515.6	526.4	539.9	566.8	574.9	574.9	585.7	596.5
20°	534.5	475.1	415.7	526.4	637.0	685.6	747.7	769.3	774.7	745.0	715.3
22.5°	480.5	548.0	615.4	601.9	588.4	574.9	574.9	583.0	591.1	596.5	601.9
25°	618.1	561.5	504.8	634.3	763.9	815.2	844.9	858.4	869.2	831.4	790.9
27.5°	566.8	642.4	715.3	772.0	828.7	885.4	947.4	1006.8	934.0	898.9	863.8
30°	731.5	793.6	855.7	990.6	1125.6	1198.5	1236.3	1236.3	1236.3	1185.0	1131.0
32.5°	828.7	936.6	1044.6	1117.5	1187.7	1260.6	1290.3	1290.3	1290.3	1228.2	1163.4
35°	960.9	1047.3	1133.7	1217.4	1301.1	1357.7	1379.3	1371.2	1355.0	1271.4	1187.7
37.5°	1047.3	1163.4	1279.5	1365.8	1449.5	1484.6	1492.7	1468.4	1444.1	1333.4	1220.1
40°	1176.9	1303.8	1427.9	1519.7	1611.5	1641.2	1625.0	1592.6	1549.4	1400.9	1252.5
42.5°	1328.0	1454.9	1581.8	1689.7	1795.0	1813.9	1789.6	1738.3	1662.8	1460.3	1255.2
45°	1492.7	1619.6	1743.7	1865.2	1986.7	2000.2	1967.8	1892.2	1781.5	1517.0	1252.5
47.5°	1676.3	1776.1	1876.0	2048.8	2221.5	2205.3	2156.7	2070.3	1924.6	1584.5	1241.7
50°	1878.7	1957.0	2032.6	2248.5	2464.4	2415.9	2361.9	2267.4	2075.7	1662.8	1247.1
52.5°	2067.6	2143.2	2218.8	2442.8	2664.2	2618.3	2558.9	2475.2	2229.6	1746.4	1260.6
55°	2278.2	2359.2	2440.1	2677.7	2915.2	2836.9	2761.4	2707.4	2380.8	1816.6	1252.5
57.5°	2507.6	2610.2	2712.8	2931.4	3147.4	3063.7	3020.5	2950.3	2548.1	1900.3	1252.5
60°	2737.1	2861.2	2985.4	3177.1	3368.7	3301.2	3293.1	3195.9	2704.7	1962.4	1217.4
62.5°	2939.5	3125.8	3312.0	3463.2	3611.6	3546.9	3549.6	3436.2	2850.4	1975.9	1098.6
65°	3144.7	3384.9	3622.4	3733.1	3843.8	3797.9	3843.8	3641.3	2947.6	1921.9	896.2
67.5°	3347.1	3611.6	3876.2	3959.8	4043.5	4016.5	4070.5	3708.8	2926.0	1781.5	634.3
70°	3487.5	3768.2	4048.9	4092.1	4135.3	4129.9	4148.8	3625.1	2780.3	1600.7	418.4
72.5°	3563.0	3827.6	4089.4	4108.3	4124.5	4116.4	4038.1	3363.3	2518.4	1403.6	288.8
75°	3514.5	3770.9	4027.3	3989.5	3951.7	3876.2	3614.3	2896.3	2064.9	1139.1	213.2
77.5°	3255.3	3533.4	3811.4	3714.2	3614.3	3393.0	2953.0	2170.2	1436.0	801.7	164.7
80°	2442.8	2785.7	3128.5	3012.4	2893.6	2426.7	1797.7	1214.7	742.3	434.6	126.9
82.5°	1182.3	1373.9	1565.6	1535.9	1506.2	1114.8	777.4	437.3	213.2	156.6	99.9
85°	313.1	464.3	615.4	588.4	561.5	296.9	129.6	113.4	83.7	78.3	70.2
87.5°	37.8	43.2	45.9	32.4	16.2	13.5	13.5	8.1	8.1	10.8	10.8
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°	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3	877.3
2.5°	885.4	888.1	888.1	888.1	888.1	888.1	866.5	844.9	839.5	834.1	823.3
5°	853.0	826.0	807.1	788.2	788.2	785.5	793.6	801.7	807.1	809.8	812.5
7.5°	758.5	761.2	777.4	790.9	804.4	815.2	823.3	828.7	823.3	815.2	782.8
10°	620.8	623.5	637.0	647.8	666.7	682.9	728.8	772.0	823.3	874.6	888.1
12.5°	591.1	628.9	607.3	585.7	645.1	701.8	761.2	817.9	858.4	896.2	869.2
15°	601.9	558.8	566.8	574.9	647.8	720.7	677.5	631.6	739.6	847.6	871.9
17.5°	599.2	599.2	639.7	680.2	612.7	542.6	642.4	739.6	782.8	823.3	790.9
20°	639.7	561.5	591.1	618.1	672.1	723.4	680.2	637.0	653.2	669.4	774.7
22.5°	666.7	728.8	661.3	591.1	639.7	688.3	680.2	672.1	720.7	769.3	742.3
25°	696.4	599.2	647.8	693.7	639.7	583.0	626.2	666.7	653.2	639.7	723.4
27.5°	799.0	731.5	669.4	607.3	639.7	669.4	637.0	601.9	615.4	628.9	623.5
30°	966.3	799.0	720.7	642.4	601.9	558.8	561.5	564.1	580.3	596.5	642.4
32.5°	1009.5	855.7	742.3	628.9	601.9	574.9	550.7	523.7	548.0	572.2	626.2
35°	1020.3	850.3	728.8	607.3	564.1	521.0	504.8	488.6	529.1	569.5	618.1
37.5°	1014.9	807.1	677.5	548.0	515.6	483.2	475.1	464.3	491.3	515.6	550.7
40°	1001.4	750.4	620.8	491.3	464.3	437.3	431.9	426.5	445.4	464.3	485.9
42.5°	977.1	696.4	566.8	437.3	418.4	399.5	394.1	386.0	402.2	418.4	426.5
45°	947.4	642.4	521.0	396.8	383.3	367.1	359.0	348.2	364.4	377.9	380.6
47.5°	917.8	591.1	480.5	367.1	356.3	342.8	334.7	323.9	337.4	348.2	350.9
50°	893.5	537.2	437.3	337.4	326.6	315.8	307.7	299.6	313.1	323.9	323.9
52.5°	880.0	496.7	399.5	302.3	296.9	291.5	288.8	283.4	294.2	305.0	307.7
55°	847.6	440.0	356.3	269.9	272.6	272.6	269.9	264.5	286.1	305.0	313.1
57.5°	812.5	372.5	310.4	245.6	251.0	256.4	259.1	261.8	286.1	307.7	318.5
60°	766.6	315.8	269.9	224.0	232.1	237.5	251.0	261.8	283.4	305.0	310.4
62.5°	685.6	269.9	237.5	205.1	215.9	226.7	242.9	259.1	275.3	291.5	291.5
65°	566.8	234.8	213.2	188.9	205.1	218.6	237.5	256.4	269.9	280.7	278.0
67.5°	423.8	210.5	194.3	175.5	194.3	210.5	226.7	242.9	259.1	275.3	269.9
70°	305.0	188.9	178.2	164.7	180.9	197.0	213.2	229.4	245.6	261.8	259.1
72.5°	232.1	172.8	162.0	151.2	167.4	180.9	199.7	218.6	234.8	251.0	245.6
75°	186.3	156.6	148.5	137.7	153.9	170.1	188.9	205.1	221.3	237.5	232.1
77.5°	153.9	140.4	132.3	124.2	137.7	151.2	170.1	188.9	205.1	218.6	213.2
80°	124.2	118.8	113.4	105.3	121.5	135.0	153.9	170.1	183.6	197.0	188.9
82.5°	97.2	94.5	91.8	86.4	99.9	113.4	132.3	151.2	162.0	172.8	167.4
85°	72.9	72.9	70.2	67.5	78.3	86.4	97.2	105.3	116.1	124.2	118.8
87.5°	10.8	10.8	16.2	18.9	18.9	18.9	27.0	35.1	35.1	32.4	27.0
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°	877.3	877.3	877.3	877.3
2.5°	812.5	812.5	812.5	815.2
5°	815.2	817.9	817.9	823.3
7.5°	747.7	745.0	742.3	742.3
10°	898.9	904.3	907.0	912.4
12.5°	839.5	807.1	774.7	774.7
15°	896.2	901.6	904.3	909.7
17.5°	758.5	755.8	753.1	747.7
20°	877.3	882.7	885.4	885.4
22.5°	715.3	715.3	712.6	712.6
25°	807.1	807.1	807.1	812.5
27.5°	615.4	634.3	653.2	677.5
30°	688.3	691.0	693.7	693.7
32.5°	680.2	715.3	750.4	755.8
35°	666.7	666.7	664.0	666.7
37.5°	585.7	577.6	566.8	572.2
40°	504.8	485.9	467.0	464.3
42.5°	434.6	418.4	399.5	399.5
45°	383.3	372.5	359.0	353.6
47.5°	350.9	340.1	329.3	326.6
50°	321.2	310.4	299.6	299.6
52.5°	310.4	302.3	291.5	288.8
55°	321.2	305.0	288.8	283.4
57.5°	326.6	307.7	288.8	280.7
60°	313.1	302.3	288.8	278.0
62.5°	288.8	283.4	278.0	272.6
65°	272.6	272.6	269.9	264.5
67.5°	264.5	267.2	267.2	261.8
70°	253.7	259.1	261.8	256.4
72.5°	240.2	242.9	242.9	234.8
75°	224.0	221.3	218.6	213.2
77.5°	205.1	202.4	197.0	191.6
80°	180.9	178.2	175.5	167.4
82.5°	159.3	164.7	167.4	137.7
85°	110.7	99.9	89.1	72.9
87.5°	21.6	16.2	8.1	8.1
90°	0.0	0.0	0.0	0.0

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