

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: P561003

Luminaire Tested: **SDL-PA1-70-830-U-T2U**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561003  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-70-830-U-T2U  
Description: Springdale  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6833.2 lumens  
Efficiency: N/A  
Efficacy: 94.6 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: B2 - U0 - G2

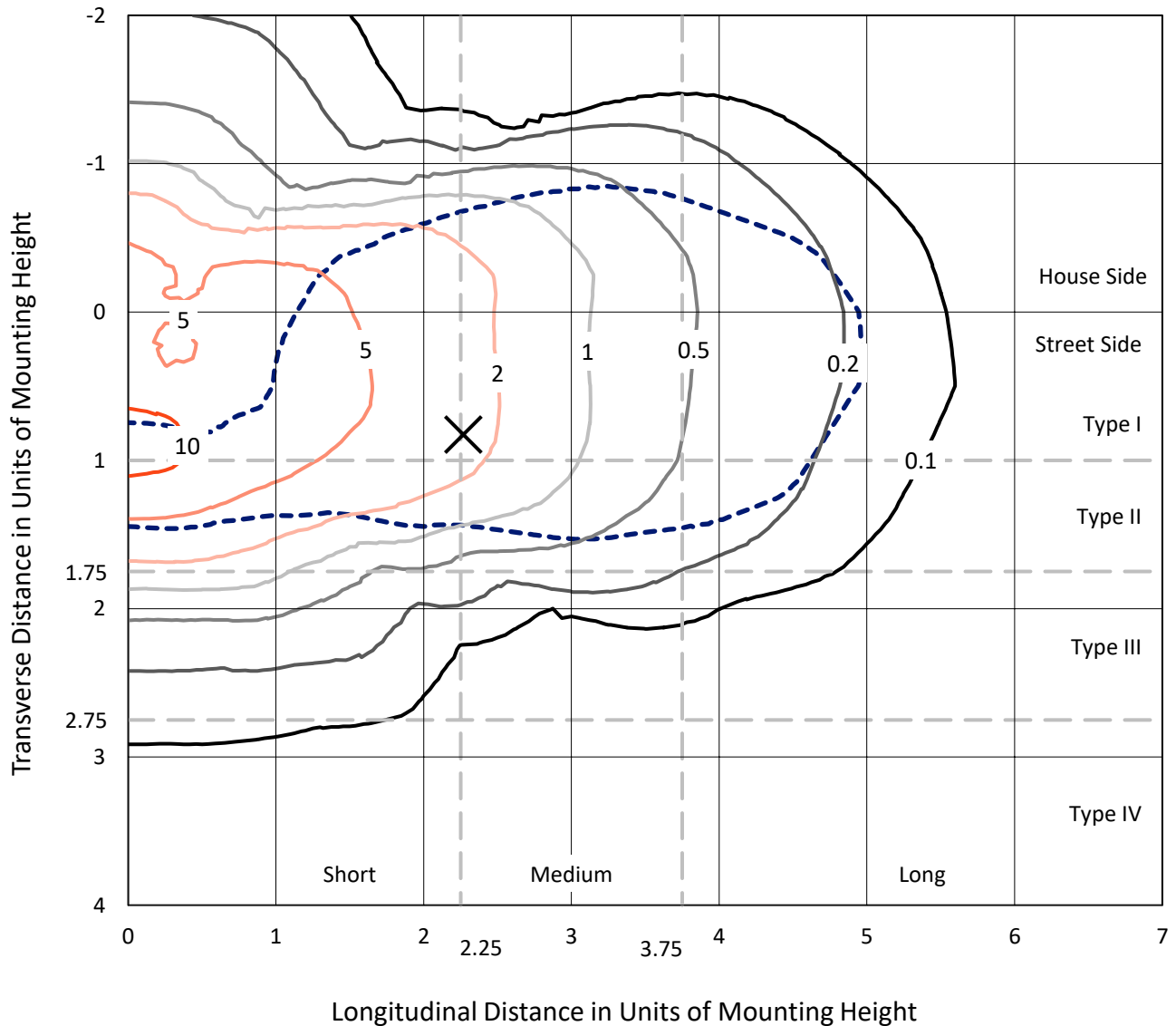
Input Watts (W): 72.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

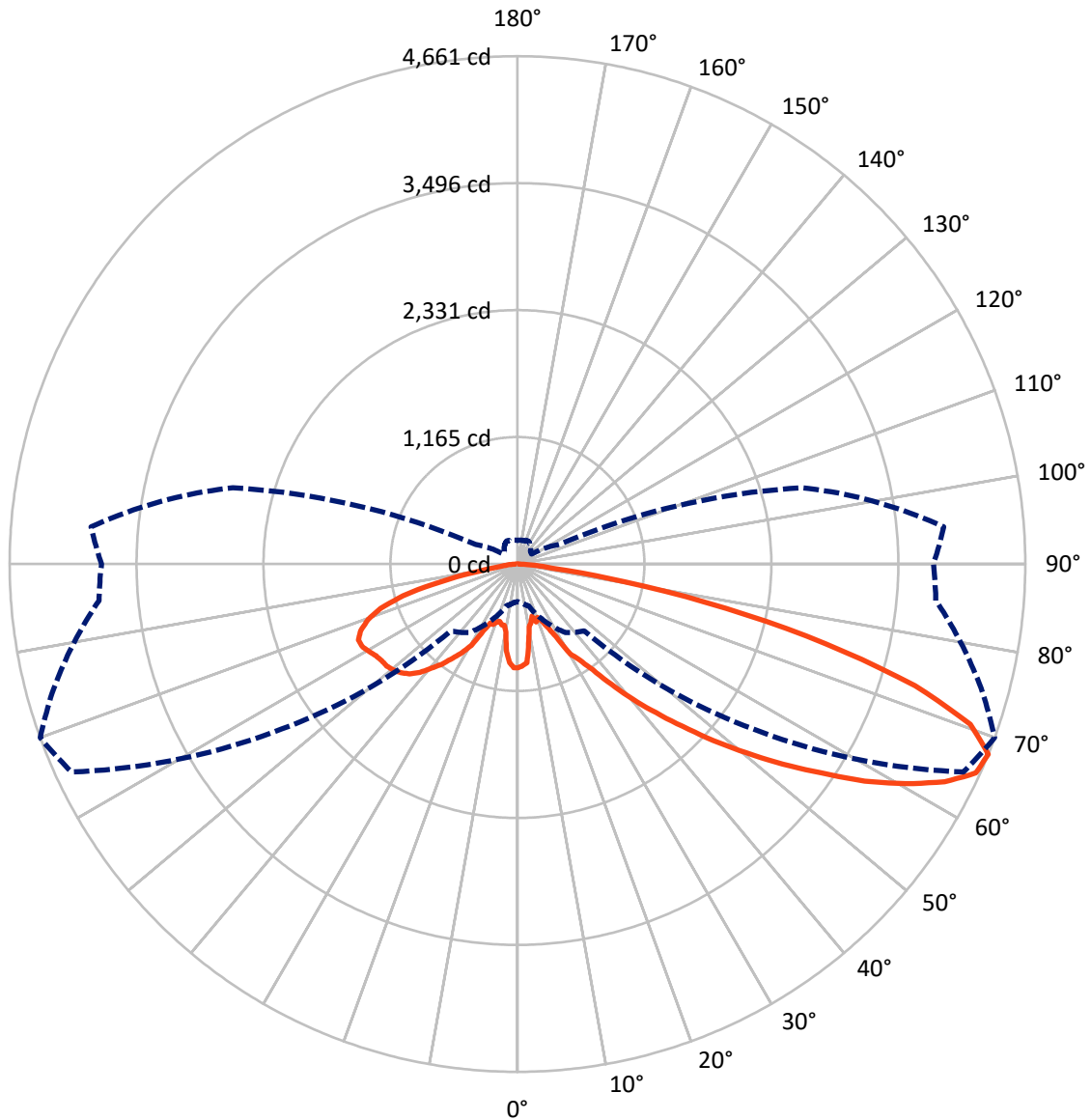
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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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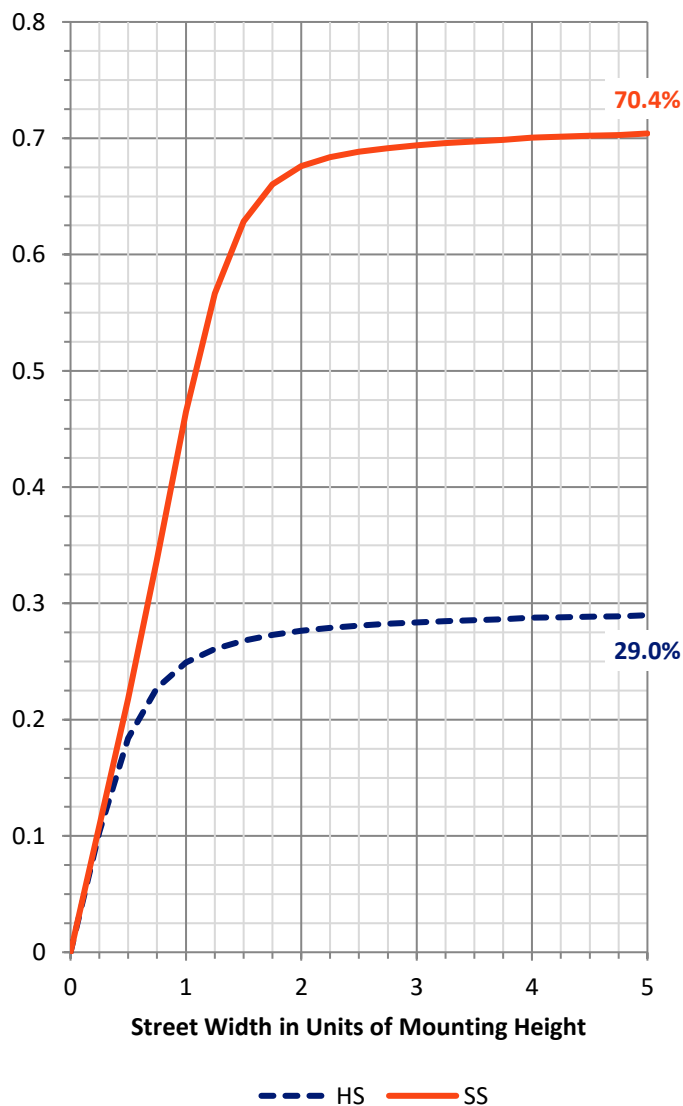
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2003.9	0.0	2003.9
	% Fixture	29.3	0.0	29.3
<b>Street Side</b>	Lumens	4829.3	0.0	4829.3
	% Fixture	70.7	0.0	70.7
<b>Total</b>	Lumens	6833.2	0.0	6833.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.2	1.1
10°-20°	178.9	2.6
20°-30°	317.9	4.7
30°-40°	671.9	9.8
40°-50°	1230.1	18.0
50°-60°	1678.1	24.6
60°-70°	1582.0	23.2
70°-80°	957.4	14.0
80°-90°	140.6	2.1
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°	6833.2	100.0
0°-180°	6833.2	100.0

**Coefficient of Utilization**



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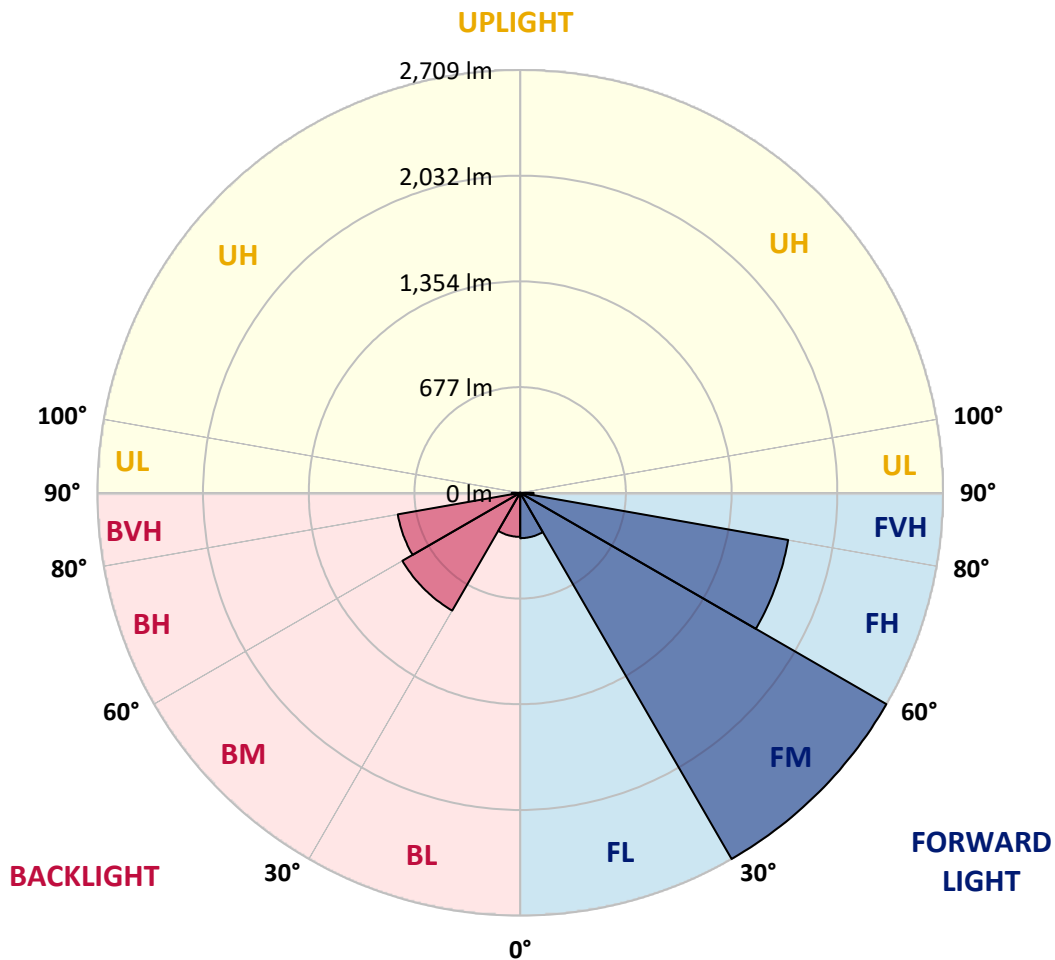
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.8	4.3			
FM (30°-60°)	2709.0	39.6			
FH (60°-80°)	1743.3	25.5			G1/1800
FVH (80°-90°)	86.2	1.3			G1/100
BL (0°-30°)	282.2	4.1	B1/500		
BM (30°-60°)	871.1	12.7	B1/1000		
BH (60°-80°)	796.1	11.7	B2/1000		G2/1000
BVH (80°-90°)	54.4	0.8			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4
2.5°	799.0	806.4	855.5	904.7	907.2	907.2	909.6	912.1	919.5	924.4	929.3
5°	744.9	749.8	749.8	749.8	752.3	754.8	757.2	757.2	762.1	764.6	769.5
7.5°	624.5	673.6	690.8	705.6	715.4	722.8	727.7	732.6	737.5	742.5	747.4
10°	710.5	710.5	713.0	713.0	713.0	710.5	661.3	609.7	634.3	658.9	622.0
12.5°	585.1	595.0	639.2	681.0	693.3	703.1	678.5	651.5	607.2	563.0	558.1
15°	695.7	695.7	695.7	693.3	649.0	602.3	555.6	506.4	535.9	565.4	521.2
17.5°	602.3	602.3	639.2	673.6	671.2	666.2	624.5	580.2	511.4	440.1	496.6
20°	759.7	757.2	744.9	730.2	639.2	548.2	567.9	587.6	592.5	595.0	577.7
22.5°	678.5	681.0	695.7	710.5	713.0	715.4	609.7	501.5	563.0	624.5	565.4
25°	944.1	939.1	917.0	892.4	791.6	688.4	708.0	727.7	626.9	523.7	587.6
27.5°	897.3	882.6	872.8	862.9	880.1	897.3	803.9	708.0	730.2	752.3	671.2
30°	1283.3	1283.3	1258.7	1231.7	1079.3	924.4	899.8	875.2	816.2	754.8	769.5
32.5°	1625.1	1625.1	1534.1	1440.7	1349.7	1258.7	1138.3	1017.8	993.2	966.2	941.6
35°	2045.5	2033.2	1981.5	1927.4	1730.8	1534.1	1379.2	1224.3	1175.2	1126.0	1101.4
37.5°	2438.8	2411.8	2340.5	2266.7	2060.2	1851.2	1647.2	1443.1	1389.0	1335.0	1280.9
40°	2763.3	2748.6	2699.4	2647.8	2414.2	2180.7	1949.6	1716.0	1644.7	1573.4	1494.8
42.5°	3060.8	3048.5	3004.3	2957.5	2726.5	2492.9	2274.1	2052.8	1947.1	1841.4	1748.0
45°	3279.6	3259.9	3230.4	3198.5	3014.1	2827.2	2606.0	2382.3	2340.5	2298.7	2116.7
47.5°	3348.4	3314.0	3309.1	3304.2	3156.7	3009.2	2832.2	2655.2	2662.5	2669.9	2458.5
50°	3247.6	3196.0	3218.1	3240.3	3181.3	3119.8	2982.1	2844.5	2905.9	2964.9	2797.7
52.5°	2881.3	2869.0	2925.6	2979.7	2994.4	3009.2	2979.7	2947.7	3060.8	3173.9	3112.4
55°	2377.3	2431.4	2510.1	2588.8	2650.2	2709.2	2795.3	2881.3	3075.6	3269.8	3314.0
57.5°	1873.4	1929.9	2020.9	2111.8	2183.1	2254.4	2431.4	2608.4	2901.0	3193.6	3392.7
60°	1261.2	1320.2	1470.2	1617.7	1718.5	1819.3	1979.1	2138.9	2507.6	2876.4	3279.6
62.5°	840.8	821.1	946.5	1069.4	1231.7	1394.0	1465.3	1534.1	1920.1	2303.6	2955.1
65°	516.3	518.7	567.9	614.6	794.1	971.1	1027.6	1081.7	1300.5	1519.3	2406.8
67.5°	346.6	354.0	376.1	398.3	484.3	570.4	668.7	767.0	818.7	867.8	1755.4
70°	307.3	309.8	319.6	329.4	354.0	378.6	469.6	560.5	531.0	499.1	995.7
72.5°	270.4	272.9	290.1	304.9	317.1	329.4	383.5	437.6	403.2	368.8	496.6
75°	221.3	228.6	245.8	260.6	285.2	307.3	319.6	331.9	314.7	295.0	319.6
77.5°	181.9	186.8	199.1	211.4	236.0	258.1	270.4	282.7	255.7	228.6	243.4
80°	142.6	145.1	154.9	164.7	184.4	201.6	216.3	228.6	204.1	177.0	184.4
82.5°	86.0	88.5	103.3	115.5	132.8	147.5	157.3	164.7	172.1	177.0	154.9
85°	46.7	46.7	56.5	66.4	68.8	71.3	81.1	88.5	110.6	130.3	113.1
87.5°	7.4	7.4	9.8	9.8	14.8	17.2	19.7	19.7	22.1	22.1	24.6
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°	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4
2.5°	931.8	934.2	934.2	934.2	936.7	939.1	941.6	941.6	944.1	946.5	949.0
5°	774.4	838.3	899.8	909.6	917.0	921.9	926.8	929.3	934.2	939.1	941.6
7.5°	752.3	752.3	752.3	735.1	799.0	806.4	813.8	818.7	823.6	818.7	811.3
10°	582.7	582.7	580.2	585.1	612.2	658.9	703.1	708.0	713.0	673.6	631.8
12.5°	550.7	558.1	565.4	553.2	504.0	545.8	587.6	595.0	597.4	563.0	526.1
15°	474.5	476.9	479.4	496.6	597.4	639.2	681.0	688.4	695.7	658.9	619.5
17.5°	550.7	533.5	513.8	560.5	521.2	548.2	572.8	513.8	567.9	558.1	548.2
20°	560.5	501.5	440.1	523.7	612.2	654.0	693.3	698.2	700.7	671.2	639.2
22.5°	506.4	563.0	619.5	563.0	528.6	523.7	518.7	516.3	518.7	535.9	550.7
25°	651.5	580.2	508.9	639.2	720.3	740.0	759.7	749.8	744.9	708.0	671.2
27.5°	590.0	646.6	700.7	754.8	779.3	806.4	831.0	838.3	799.0	759.7	720.3
30°	781.8	816.2	848.2	958.8	1039.9	1064.5	1089.1	1064.5	1049.8	1000.6	949.0
32.5°	914.6	983.4	1052.2	1049.8	1126.0	1145.7	1162.9	1130.9	1103.9	1049.8	993.2
35°	1076.8	1121.1	1165.3	1189.9	1266.1	1273.5	1280.9	1239.1	1199.7	1135.8	1071.9
37.5°	1226.8	1283.3	1337.4	1398.9	1465.3	1450.5	1433.3	1381.7	1317.7	1268.6	1219.4
40°	1413.6	1482.5	1551.3	1630.0	1669.3	1647.2	1622.6	1543.9	1482.5	1430.8	1379.2
42.5°	1652.1	1725.9	1797.1	1866.0	1880.7	1856.2	1829.1	1743.1	1649.6	1598.0	1543.9
45°	1932.4	1991.4	2050.4	2121.7	2151.2	2106.9	2060.2	1952.0	1841.4	1767.6	1693.9
47.5°	2244.6	2271.6	2298.7	2421.6	2460.9	2387.2	2311.0	2193.0	2038.1	1942.2	1843.9
50°	2630.6	2623.2	2613.4	2721.5	2812.5	2689.6	2564.2	2426.5	2274.1	2138.9	2001.2
52.5°	3051.0	2979.7	2905.9	3051.0	3095.2	2947.7	2800.2	2652.7	2500.3	2325.7	2148.7
55°	3358.3	3318.9	3279.6	3382.9	3377.9	3205.9	3031.3	2856.8	2731.4	2497.8	2264.3
57.5°	3589.4	3623.8	3655.8	3759.0	3641.0	3444.3	3247.6	3073.1	2964.9	2672.4	2379.8
60°	3680.3	3857.4	4031.9	4093.4	3913.9	3692.6	3468.9	3296.8	3205.9	2851.8	2497.8
62.5°	3606.6	3997.5	4388.4	4400.7	4164.7	3916.4	3668.0	3527.9	3481.2	3046.1	2608.4
65°	3294.4	3938.5	4580.1	4624.4	4358.9	4098.3	3835.2	3732.0	3761.5	3228.0	2692.0
67.5°	2640.4	3579.5	4516.2	4661.3	4405.6	4130.2	3854.9	3818.0	3928.6	3316.5	2704.3
70°	1492.3	2751.0	4007.3	4410.5	4275.3	4002.4	3727.1	3744.3	3909.0	3267.3	2625.7
72.5°	622.0	1902.9	3183.7	3815.6	3933.6	3702.5	3468.9	3532.8	3645.9	3036.2	2424.1
75°	344.2	1214.5	2084.8	2925.6	3289.4	3228.0	3164.1	3235.4	3181.3	2591.2	2001.2
77.5°	255.7	656.4	1057.1	1959.4	2475.7	2615.8	2753.5	2787.9	2485.5	1893.0	1300.5
80°	191.8	312.2	430.2	1000.6	1327.6	1578.3	1829.1	1674.2	1462.8	1022.7	582.7
82.5°	132.8	179.5	226.2	322.1	516.3	595.0	671.2	639.2	479.4	336.8	191.8
85°	93.4	118.0	142.6	177.0	221.3	177.0	132.8	108.2	125.4	115.5	105.7
87.5°	24.6	24.6	22.1	24.6	17.2	14.8	12.3	9.8	9.8	9.8	9.8
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°	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4	951.4
2.5°	951.4	953.9	953.9	953.9	953.9	951.4	939.1	926.8	897.3	867.8	858.0
5°	909.6	877.7	853.1	828.5	828.5	828.5	833.4	838.3	840.8	843.3	845.7
7.5°	811.3	808.8	818.7	828.5	835.9	843.3	848.2	853.1	843.3	833.4	811.3
10°	634.3	634.3	646.6	656.4	673.6	690.8	740.0	789.2	831.0	872.8	880.1
12.5°	575.3	622.0	595.0	565.4	626.9	688.4	742.5	794.1	835.9	875.2	843.3
15°	577.7	533.5	543.3	553.2	619.5	685.9	636.7	585.1	683.5	779.3	801.5
17.5°	550.7	553.2	597.4	641.7	575.3	506.4	592.5	678.5	715.4	749.8	717.9
20°	565.4	489.2	540.9	592.5	639.2	683.5	639.2	592.5	604.8	617.1	700.7
22.5°	597.4	644.1	599.9	555.6	609.7	661.3	639.2	617.1	656.4	693.3	658.9
25°	595.0	516.3	590.0	663.8	614.6	563.0	590.0	617.1	597.4	575.3	639.2
27.5°	685.9	651.5	631.8	609.7	636.7	663.8	607.2	550.7	550.7	550.7	543.3
30°	858.0	767.0	727.7	685.9	619.5	553.2	533.5	513.8	516.3	518.7	555.6
32.5°	958.8	924.4	806.4	688.4	626.9	565.4	513.8	462.2	467.1	472.0	518.7
35°	1047.3	1020.3	862.9	703.1	602.3	499.1	454.8	408.1	430.2	449.9	489.2
37.5°	1148.1	1074.4	860.5	644.1	535.9	427.8	400.7	373.7	388.4	400.7	425.3
40°	1239.1	1096.5	838.3	577.7	469.6	358.9	346.6	331.9	344.2	356.5	371.2
42.5°	1337.4	1128.4	806.4	481.9	395.8	309.8	304.9	299.9	312.2	324.5	334.4
45°	1413.6	1133.4	764.6	393.4	336.8	280.3	280.3	277.8	290.1	299.9	304.9
47.5°	1462.8	1079.3	698.2	314.7	290.1	265.5	268.0	268.0	277.8	285.2	287.6
50°	1497.2	990.8	634.3	277.8	265.5	253.2	253.2	253.2	263.1	270.4	275.3
52.5°	1521.8	892.4	575.3	255.7	250.8	243.4	243.4	240.9	253.2	265.5	268.0
55°	1529.2	791.6	516.3	238.5	233.6	228.6	233.6	236.0	250.8	263.1	265.5
57.5°	1546.4	713.0	467.1	221.3	218.8	216.3	223.7	231.1	245.8	260.6	260.6
60°	1580.8	661.3	432.7	204.1	204.1	204.1	216.3	226.2	240.9	255.7	253.2
62.5°	1612.8	614.6	400.7	186.8	189.3	191.8	206.5	221.3	236.0	250.8	248.3
65°	1617.7	540.9	356.5	172.1	177.0	179.5	196.7	213.9	228.6	243.4	238.5
67.5°	1563.6	422.9	290.1	157.3	164.7	169.6	189.3	206.5	221.3	233.6	228.6
70°	1465.3	302.4	223.7	145.1	152.4	157.3	177.0	194.2	206.5	218.8	213.9
72.5°	1320.2	216.3	174.6	132.8	137.7	142.6	159.8	177.0	191.8	204.1	199.1
75°	1089.1	174.6	147.5	120.5	125.4	127.8	145.1	159.8	174.6	186.8	179.5
77.5°	722.8	142.6	125.4	108.2	110.6	113.1	127.8	140.1	152.4	162.3	157.3
80°	349.1	115.5	105.7	93.4	95.9	95.9	108.2	120.5	130.3	137.7	135.2
82.5°	142.6	91.0	83.6	76.2	76.2	76.2	88.5	98.3	108.2	115.5	110.6
85°	88.5	71.3	66.4	59.0	56.5	54.1	59.0	63.9	68.8	71.3	68.8
87.5°	12.3	12.3	14.8	17.2	14.8	9.8	14.8	19.7	19.7	17.2	14.8
90°	0.0	0.0	7.4	7.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	951.4	951.4	951.4	951.4
2.5°	848.2	848.2	848.2	853.1
5°	845.7	845.7	845.7	850.6
7.5°	789.2	764.6	740.0	742.5
10°	885.1	887.5	887.5	890.0
12.5°	808.8	769.5	730.2	735.1
15°	823.6	823.6	821.1	823.6
17.5°	685.9	673.6	661.3	661.3
20°	784.3	784.3	784.3	784.3
22.5°	624.5	622.0	619.5	622.0
25°	703.1	705.6	705.6	703.1
27.5°	535.9	567.9	597.4	599.9
30°	590.0	590.0	590.0	590.0
32.5°	565.4	590.0	614.6	617.1
35°	526.1	523.7	521.2	528.6
37.5°	447.4	442.5	437.6	437.6
40°	386.0	376.1	366.3	366.3
42.5°	341.7	334.4	324.5	322.1
45°	309.8	302.4	292.6	292.6
47.5°	287.6	282.7	277.8	275.3
50°	277.8	272.9	268.0	268.0
52.5°	270.4	268.0	263.1	263.1
55°	265.5	263.1	258.1	258.1
57.5°	260.6	258.1	253.2	253.2
60°	250.8	248.3	245.8	245.8
62.5°	243.4	240.9	238.5	238.5
65°	233.6	233.6	231.1	228.6
67.5°	221.3	221.3	221.3	216.3
70°	206.5	206.5	206.5	201.6
72.5°	191.8	191.8	189.3	181.9
75°	172.1	169.6	167.2	162.3
77.5°	152.4	147.5	142.6	140.1
80°	130.3	125.4	120.5	115.5
82.5°	103.3	100.8	95.9	83.6
85°	63.9	56.5	46.7	41.8
87.5°	12.3	9.8	7.4	2.5
90°	0.0	0.0	0.0	0.0

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