

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: P560805

Luminaire Tested: **SDL-PA1-60-827-U-T2U**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560805  
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-PA1-60-827-U-T2U  
Description: Springdale  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5574.8 lumens  
Efficiency: N/A  
Efficacy: 89.3 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

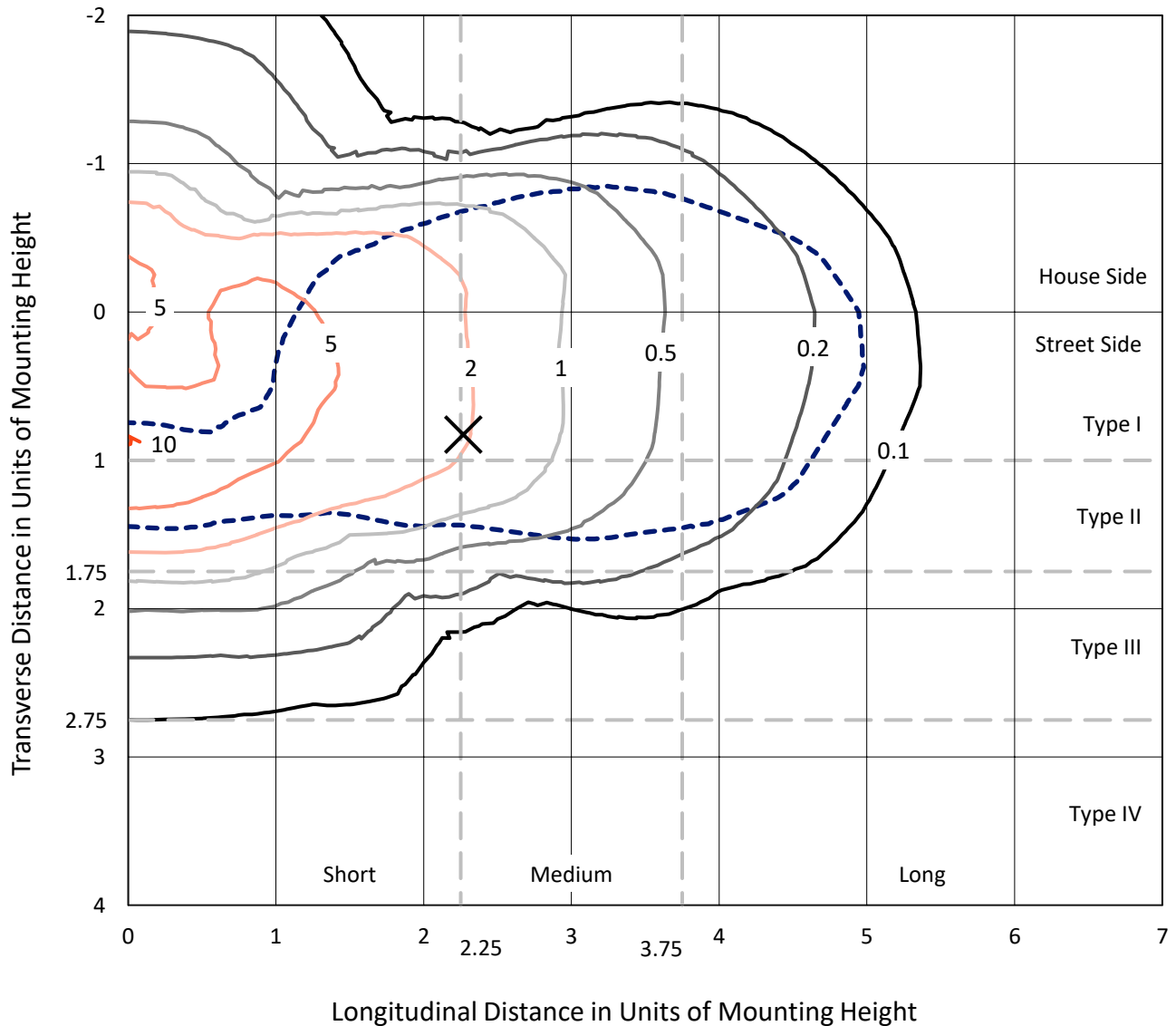
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

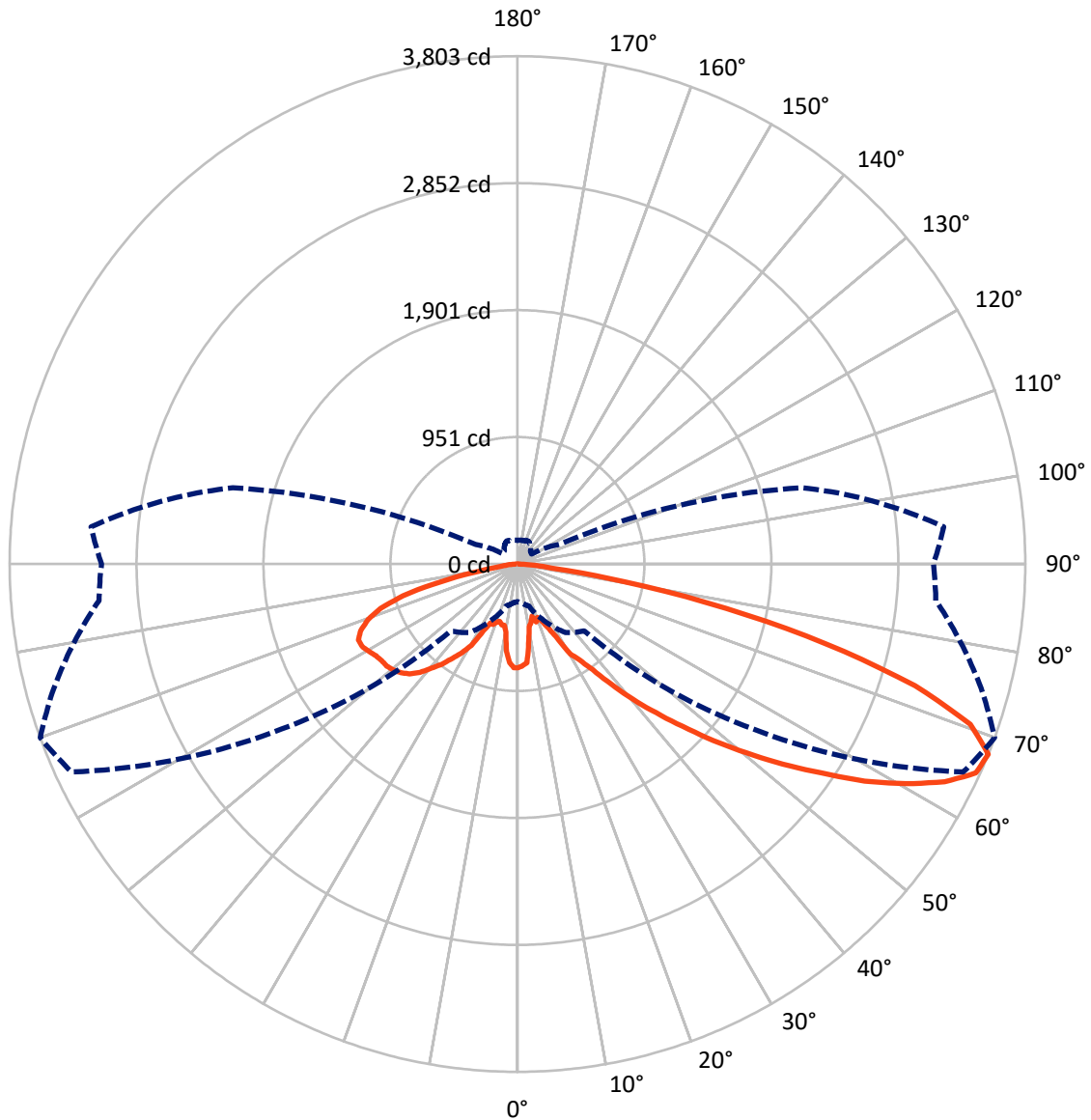
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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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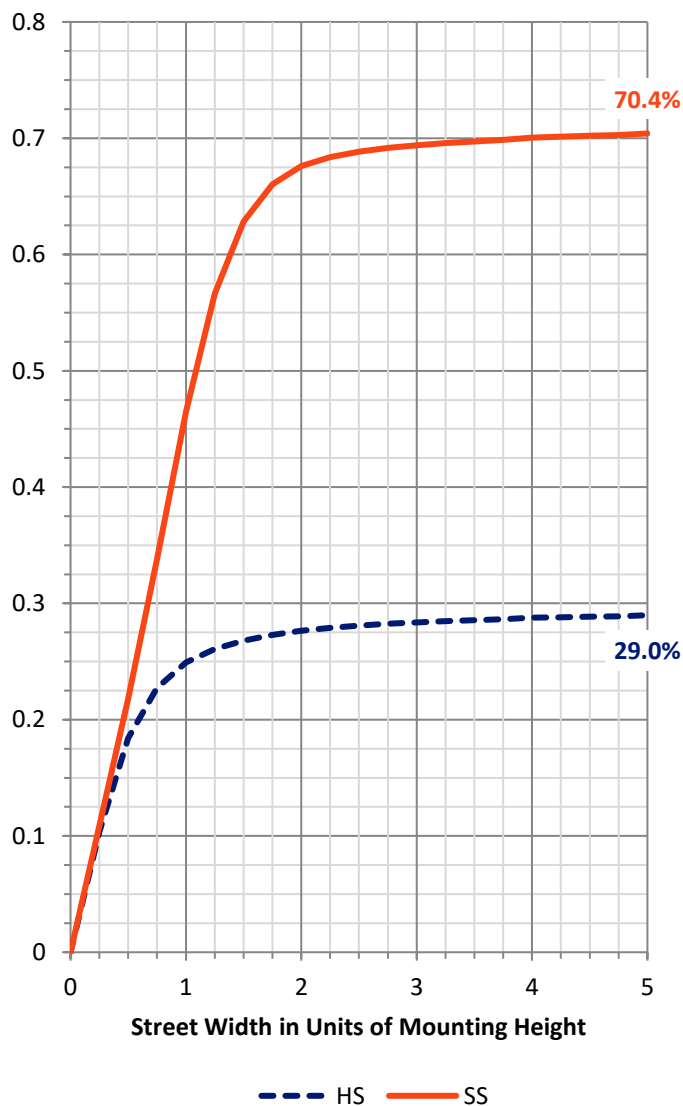
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1634.8	0.0	1634.8
	% Fixture	29.3	0.0	29.3
<b>Street Side</b>	Lumens	3939.9	0.0	3939.9
	% Fixture	70.7	0.0	70.7
<b>Total</b>	Lumens	5574.8	0.0	5574.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.2	1.1
10°-20°	146.0	2.6
20°-30°	259.3	4.7
30°-40°	548.2	9.8
40°-50°	1003.5	18.0
50°-60°	1369.0	24.6
60°-70°	1290.7	23.2
70°-80°	781.1	14.0
80°-90°	114.7	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°	5574.8	100.0
0°-180°	5574.8	100.0

**Coefficient of Utilization**



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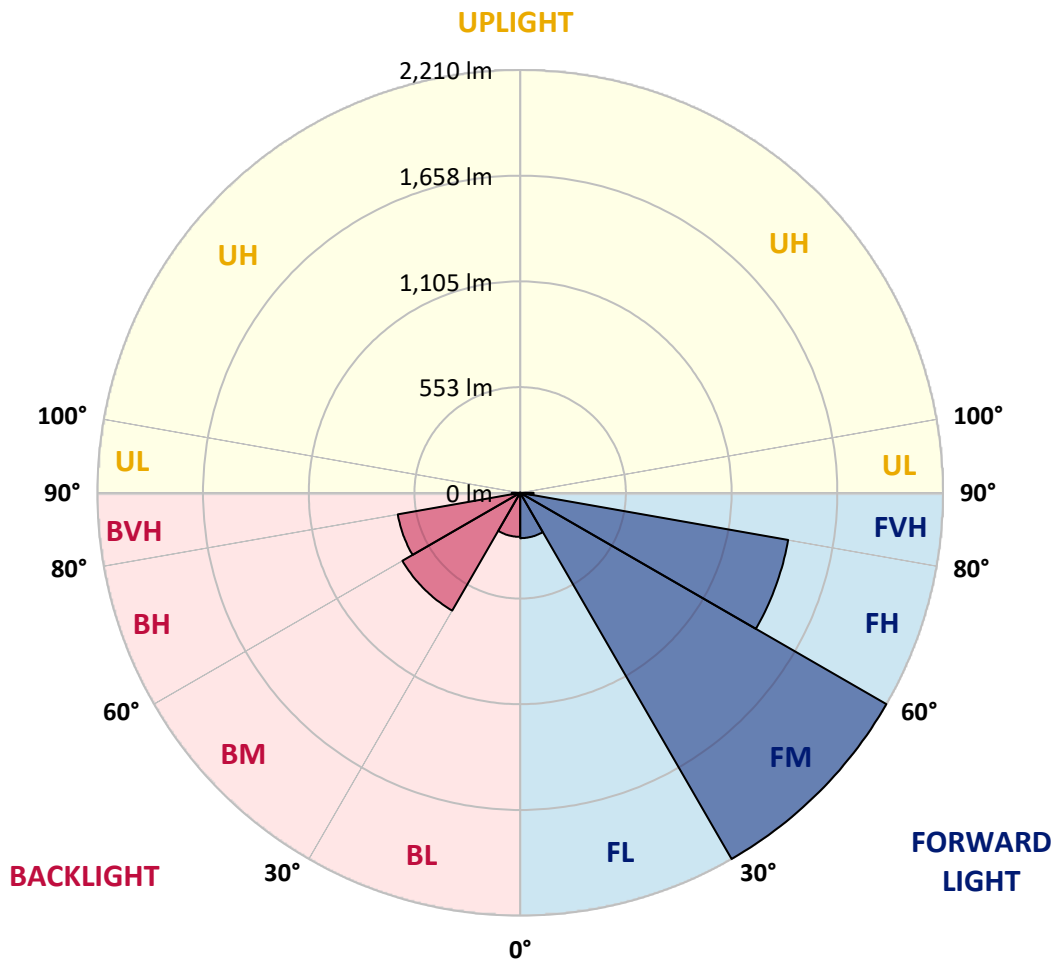
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.2	4.3			
FM (30°-60°)	2210.1	39.6			
FH (60°-80°)	1422.3	25.5			G1/1800
FVH (80°-90°)	70.4	1.3			G1/100
BL (0°-30°)	230.3	4.1	B1/500		
BM (30°-60°)	710.7	12.7	B1/1000		
BH (60°-80°)	649.5	11.7	B2/1000		G2/1000
BVH (80°-90°)	44.4	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°	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2
2.5°	651.9	657.9	698.0	738.1	740.1	740.1	742.1	744.1	750.1	754.2	758.2
5°	607.7	611.7	611.7	611.7	613.8	615.8	617.8	617.8	621.8	623.8	627.8
7.5°	509.5	549.6	563.6	575.6	583.7	589.7	593.7	597.7	601.7	605.7	609.7
10°	579.7	579.7	581.7	581.7	581.7	579.7	539.5	497.4	517.5	537.5	507.5
12.5°	477.4	485.4	521.5	555.6	565.6	573.6	553.6	531.5	495.4	459.3	455.3
15°	567.6	567.6	567.6	565.6	529.5	491.4	453.3	413.2	437.2	461.3	425.2
17.5°	491.4	491.4	521.5	549.6	547.6	543.6	509.5	473.4	417.2	359.0	405.2
20°	619.8	617.8	607.7	595.7	521.5	447.3	463.3	479.4	483.4	485.4	471.3
22.5°	553.6	555.6	567.6	579.7	581.7	583.7	497.4	409.2	459.3	509.5	461.3
25°	770.2	766.2	748.1	728.1	645.8	561.6	577.7	593.7	511.5	427.2	479.4
27.5°	732.1	720.1	712.0	704.0	718.1	732.1	655.9	577.7	595.7	613.8	547.6
30°	1047.0	1047.0	1026.9	1004.9	880.5	754.2	734.1	714.0	665.9	615.8	627.8
32.5°	1325.8	1325.8	1251.6	1175.4	1101.1	1026.9	928.7	830.4	810.3	788.3	768.2
35°	1668.8	1658.7	1616.6	1572.5	1412.0	1251.6	1125.2	998.9	958.7	918.6	898.6
37.5°	1989.7	1967.6	1909.5	1849.3	1680.8	1510.3	1343.8	1177.4	1133.2	1089.1	1045.0
40°	2254.4	2242.4	2202.3	2160.2	1969.6	1779.1	1590.5	1400.0	1341.8	1283.7	1219.5
42.5°	2497.1	2487.1	2451.0	2412.9	2224.4	2033.8	1855.3	1674.8	1588.5	1502.3	1426.1
45°	2675.6	2659.6	2635.5	2609.5	2459.0	2306.6	2126.1	1943.6	1909.5	1875.4	1726.9
47.5°	2731.8	2703.7	2699.7	2695.7	2575.4	2455.0	2310.6	2166.2	2172.2	2178.2	2005.7
50°	2649.6	2607.5	2625.5	2643.6	2595.4	2545.3	2433.0	2320.6	2370.8	2418.9	2282.5
52.5°	2350.7	2340.7	2386.8	2430.9	2443.0	2455.0	2430.9	2404.9	2497.1	2589.4	2539.3
55°	1939.5	1983.7	2047.9	2112.0	2162.2	2210.3	2280.5	2350.7	2509.2	2667.6	2703.7
57.5°	1528.4	1574.5	1648.7	1722.9	1781.1	1839.3	1983.7	2128.1	2366.8	2605.4	2767.9
60°	1028.9	1077.1	1199.4	1319.8	1402.0	1484.2	1614.6	1745.0	2045.8	2346.7	2675.6
62.5°	686.0	669.9	772.2	872.5	1004.9	1137.3	1195.4	1251.6	1566.5	1879.4	2410.9
65°	421.2	423.2	463.3	501.4	647.9	792.3	838.4	882.5	1061.0	1239.5	1963.6
67.5°	282.8	288.8	306.9	324.9	395.1	465.3	545.6	625.8	667.9	708.0	1432.1
70°	250.7	252.7	260.7	268.8	288.8	308.9	383.1	457.3	433.2	407.2	812.3
72.5°	220.6	222.6	236.7	248.7	258.7	268.8	312.9	357.0	328.9	300.9	405.2
75°	180.5	186.5	200.6	212.6	232.7	250.7	260.7	270.8	256.7	240.7	260.7
77.5°	148.4	152.4	162.5	172.5	192.6	210.6	220.6	230.7	208.6	186.5	198.6
80°	116.3	118.3	126.4	134.4	150.4	164.5	176.5	186.5	166.5	144.4	150.4
82.5°	70.2	72.2	84.2	94.3	108.3	120.3	128.4	134.4	140.4	144.4	126.4
85°	38.1	38.1	46.1	54.2	56.2	58.2	66.2	72.2	90.3	106.3	92.3
87.5°	6.0	6.0	8.0	8.0	12.0	14.0	16.0	16.0	18.1	18.1	20.1
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°	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2
2.5°	760.2	762.2	762.2	762.2	764.2	766.2	768.2	768.2	770.2	772.2	774.2
5°	631.8	684.0	734.1	742.1	748.1	752.1	756.2	758.2	762.2	766.2	768.2
7.5°	613.8	613.8	613.8	599.7	651.9	657.9	663.9	667.9	671.9	667.9	661.9
10°	475.4	475.4	473.4	477.4	499.4	537.5	573.6	577.7	581.7	549.6	515.5
12.5°	449.3	455.3	461.3	451.3	411.2	445.3	479.4	485.4	487.4	459.3	429.2
15°	387.1	389.1	391.1	405.2	487.4	521.5	555.6	561.6	567.6	537.5	505.4
17.5°	449.3	435.2	419.2	457.3	425.2	447.3	467.3	419.2	463.3	455.3	447.3
20°	457.3	409.2	359.0	427.2	499.4	533.5	565.6	569.6	571.6	547.6	521.5
22.5°	413.2	459.3	505.4	459.3	431.2	427.2	423.2	421.2	423.2	437.2	449.3
25°	531.5	473.4	415.2	521.5	587.7	603.7	619.8	611.7	607.7	577.7	547.6
27.5°	481.4	527.5	571.6	615.8	635.8	657.9	677.9	684.0	651.9	619.8	587.7
30°	637.8	665.9	692.0	782.2	848.4	868.5	888.5	868.5	856.4	816.3	774.2
32.5°	746.1	802.3	858.5	856.4	918.6	934.7	948.7	922.6	900.6	856.4	810.3
35°	878.5	914.6	950.7	970.8	1033.0	1039.0	1045.0	1010.9	978.8	926.6	874.5
37.5°	1000.9	1047.0	1091.1	1141.3	1195.4	1183.4	1169.3	1127.2	1075.1	1035.0	994.8
40°	1153.3	1209.5	1265.6	1329.8	1361.9	1343.8	1323.8	1259.6	1209.5	1167.3	1125.2
42.5°	1347.9	1408.0	1466.2	1522.4	1534.4	1514.3	1492.3	1422.1	1345.8	1303.7	1259.6
45°	1576.5	1624.6	1672.8	1730.9	1755.0	1718.9	1680.8	1592.6	1502.3	1442.1	1382.0
47.5°	1831.2	1853.3	1875.4	1975.6	2007.7	1947.6	1885.4	1789.1	1662.8	1584.5	1504.3
50°	2146.1	2140.1	2132.1	2220.3	2294.6	2194.3	2092.0	1979.7	1855.3	1745.0	1632.7
52.5°	2489.1	2430.9	2370.8	2489.1	2525.2	2404.9	2284.5	2164.2	2039.8	1897.4	1753.0
55°	2739.8	2707.7	2675.6	2759.9	2755.9	2615.5	2473.1	2330.7	2228.4	2037.8	1847.3
57.5°	2928.4	2956.5	2982.5	3066.8	2970.5	2810.0	2649.6	2507.2	2418.9	2180.2	1941.5
60°	3002.6	3147.0	3289.4	3339.5	3193.1	3012.6	2830.1	2689.7	2615.5	2326.7	2037.8
62.5°	2942.4	3261.3	3580.2	3590.3	3397.7	3195.1	2992.6	2878.2	2840.1	2485.1	2128.1
65°	2687.7	3213.2	3736.7	3772.8	3556.2	3343.6	3128.9	3044.7	3068.8	2633.5	2196.3
67.5°	2154.2	2920.3	3684.5	3802.9	3594.3	3369.6	3145.0	3114.9	3205.2	2705.7	2206.3
70°	1217.5	2244.4	3269.3	3598.3	3488.0	3265.3	3040.7	3054.7	3189.1	2665.6	2142.1
72.5°	507.5	1552.4	2597.4	3112.9	3209.2	3020.6	2830.1	2882.2	2974.5	2477.1	1977.7
75°	280.8	990.8	1700.9	2386.8	2683.7	2633.5	2581.4	2639.5	2595.4	2114.0	1632.7
77.5°	208.6	535.5	862.5	1598.6	2019.8	2134.1	2246.4	2274.5	2027.8	1544.4	1061.0
80°	156.4	254.7	351.0	816.3	1083.1	1287.7	1492.3	1365.9	1193.4	834.4	475.4
82.5°	108.3	146.4	184.5	262.8	421.2	485.4	547.6	521.5	391.1	274.8	156.4
85°	76.2	96.3	116.3	144.4	180.5	144.4	108.3	88.3	102.3	94.3	86.2
87.5°	20.1	20.1	18.1	20.1	14.0	12.0	10.0	8.0	8.0	8.0	8.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2	776.2
2.5°	776.2	778.2	778.2	778.2	778.2	776.2	766.2	756.2	732.1	708.0	700.0
5°	742.1	716.0	696.0	675.9	675.9	675.9	679.9	684.0	686.0	688.0	690.0
7.5°	661.9	659.9	667.9	675.9	681.9	688.0	692.0	696.0	688.0	679.9	661.9
10°	517.5	517.5	527.5	535.5	549.6	563.6	603.7	643.8	677.9	712.0	718.1
12.5°	469.3	507.5	485.4	461.3	511.5	561.6	605.7	647.9	681.9	714.0	688.0
15°	471.3	435.2	443.3	451.3	505.4	559.6	519.5	477.4	557.6	635.8	653.9
17.5°	449.3	451.3	487.4	523.5	469.3	413.2	483.4	553.6	583.7	611.7	585.7
20°	461.3	399.1	441.3	483.4	521.5	557.6	521.5	483.4	493.4	503.4	571.6
22.5°	487.4	525.5	489.4	453.3	497.4	539.5	521.5	503.4	535.5	565.6	537.5
25°	485.4	421.2	481.4	541.5	501.4	459.3	481.4	503.4	487.4	469.3	521.5
27.5°	559.6	531.5	515.5	497.4	519.5	541.5	495.4	449.3	449.3	449.3	443.3
30°	700.0	625.8	593.7	559.6	505.4	451.3	435.2	419.2	421.2	423.2	453.3
32.5°	782.2	754.2	657.9	561.6	511.5	461.3	419.2	377.1	381.1	385.1	423.2
35°	854.4	832.4	704.0	573.6	491.4	407.2	371.1	333.0	351.0	367.0	399.1
37.5°	936.7	876.5	702.0	525.5	437.2	349.0	326.9	304.9	316.9	326.9	347.0
40°	1010.9	894.6	684.0	471.3	383.1	292.8	282.8	270.8	280.8	290.8	302.9
42.5°	1091.1	920.6	657.9	393.1	322.9	252.7	248.7	244.7	254.7	264.8	272.8
45°	1153.3	924.6	623.8	320.9	274.8	228.7	228.7	226.6	236.7	244.7	248.7
47.5°	1193.4	880.5	569.6	256.7	236.7	216.6	218.6	218.6	226.6	232.7	234.7
50°	1221.5	808.3	517.5	226.6	216.6	206.6	206.6	206.6	214.6	220.6	224.6
52.5°	1241.5	728.1	469.3	208.6	204.6	198.6	198.6	196.6	206.6	216.6	218.6
55°	1247.6	645.8	421.2	194.6	190.5	186.5	190.5	192.6	204.6	214.6	216.6
57.5°	1261.6	581.7	381.1	180.5	178.5	176.5	182.5	188.5	200.6	212.6	212.6
60°	1289.7	539.5	353.0	166.5	166.5	166.5	176.5	184.5	196.6	208.6	206.6
62.5°	1315.8	501.4	326.9	152.4	154.4	156.4	168.5	180.5	192.6	204.6	202.6
65°	1319.8	441.3	290.8	140.4	144.4	146.4	160.5	174.5	186.5	198.6	194.6
67.5°	1275.6	345.0	236.7	128.4	134.4	138.4	154.4	168.5	180.5	190.5	186.5
70°	1195.4	246.7	182.5	118.3	124.4	128.4	144.4	158.5	168.5	178.5	174.5
72.5°	1077.1	176.5	142.4	108.3	112.3	116.3	130.4	144.4	156.4	166.5	162.5
75°	888.5	142.4	120.3	98.3	102.3	104.3	118.3	130.4	142.4	152.4	146.4
77.5°	589.7	116.3	102.3	88.3	90.3	92.3	104.3	114.3	124.4	132.4	128.4
80°	284.8	94.3	86.2	76.2	78.2	78.2	88.3	98.3	106.3	112.3	110.3
82.5°	116.3	74.2	68.2	62.2	62.2	62.2	72.2	80.2	88.3	94.3	90.3
85°	72.2	58.2	54.2	48.1	46.1	44.1	48.1	52.1	56.2	58.2	56.2
87.5°	10.0	10.0	12.0	14.0	12.0	8.0	12.0	16.0	16.0	14.0	12.0
90°	0.0	0.0	6.0	6.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	776.2	776.2	776.2	776.2
2.5°	692.0	692.0	692.0	696.0
5°	690.0	690.0	690.0	694.0
7.5°	643.8	623.8	603.7	605.7
10°	722.1	724.1	724.1	726.1
12.5°	659.9	627.8	595.7	599.7
15°	671.9	671.9	669.9	671.9
17.5°	559.6	549.6	539.5	539.5
20°	639.8	639.8	639.8	639.8
22.5°	509.5	507.5	505.4	507.5
25°	573.6	575.6	575.6	573.6
27.5°	437.2	463.3	487.4	489.4
30°	481.4	481.4	481.4	481.4
32.5°	461.3	481.4	501.4	503.4
35°	429.2	427.2	425.2	431.2
37.5°	365.0	361.0	357.0	357.0
40°	314.9	306.9	298.9	298.9
42.5°	278.8	272.8	264.8	262.8
45°	252.7	246.7	238.7	238.7
47.5°	234.7	230.7	226.6	224.6
50°	226.6	222.6	218.6	218.6
52.5°	220.6	218.6	214.6	214.6
55°	216.6	214.6	210.6	210.6
57.5°	212.6	210.6	206.6	206.6
60°	204.6	202.6	200.6	200.6
62.5°	198.6	196.6	194.6	194.6
65°	190.5	190.5	188.5	186.5
67.5°	180.5	180.5	180.5	176.5
70°	168.5	168.5	168.5	164.5
72.5°	156.4	156.4	154.4	148.4
75°	140.4	138.4	136.4	132.4
77.5°	124.4	120.3	116.3	114.3
80°	106.3	102.3	98.3	94.3
82.5°	84.2	82.2	78.2	68.2
85°	52.1	46.1	38.1	34.1
87.5°	10.0	8.0	6.0	2.0
90°	0.0	0.0	0.0	0.0

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