

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: P560809

Luminaire Tested: **SDL-PA1-60-827-U-T3**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560809  
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-PA1-60-827-U-T3  
Description: Springdale  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5488.8 lumens  
Efficiency: N/A  
Efficacy: 88.0 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 - G2

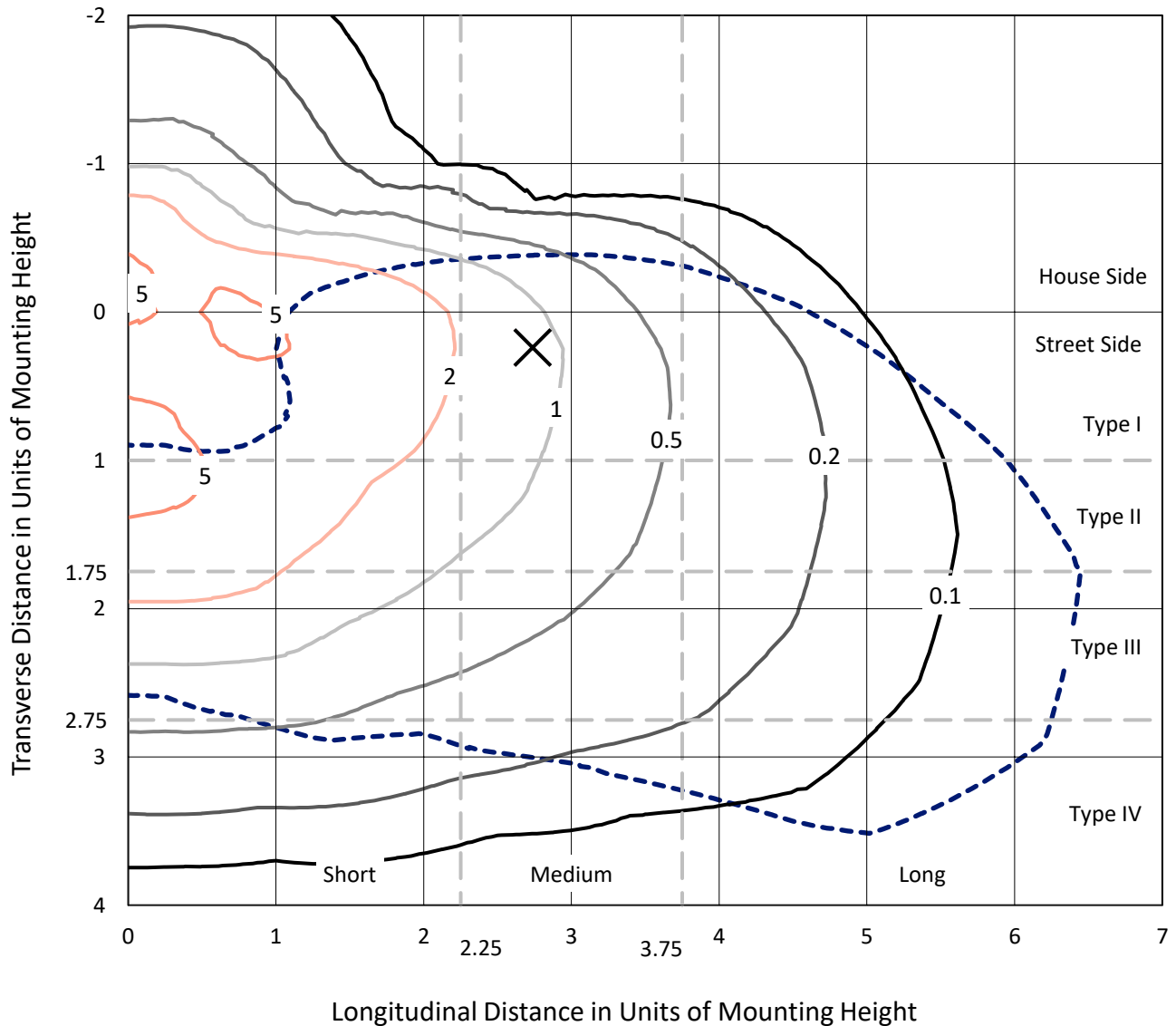
Input Watts (W): 62.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

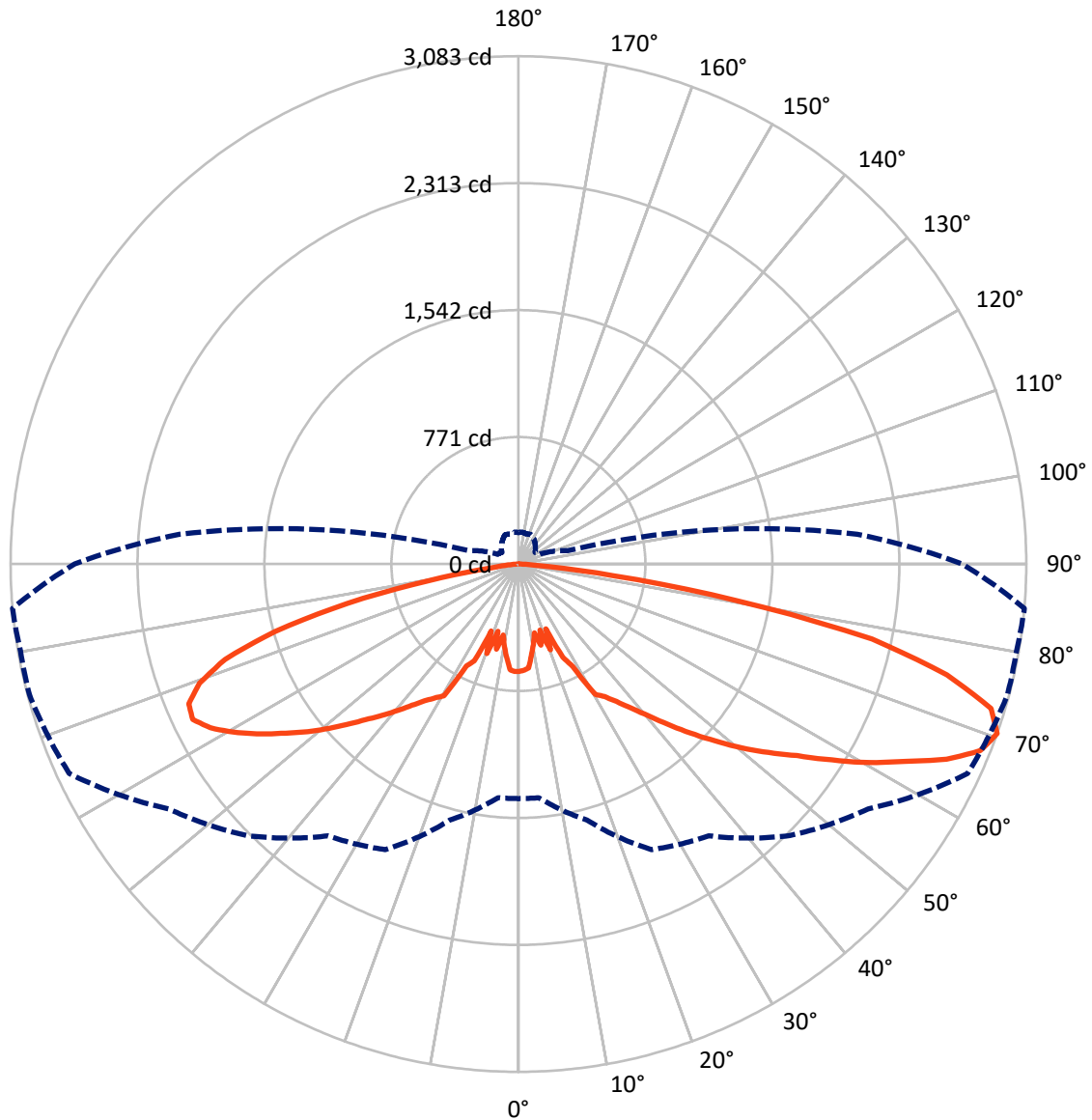
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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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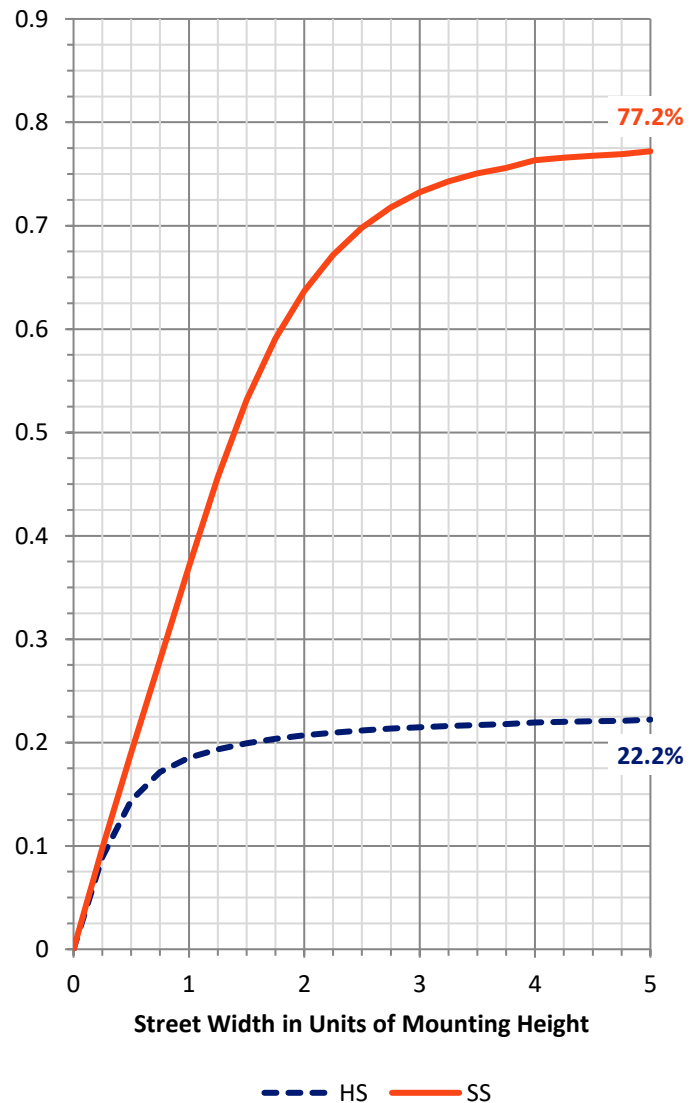
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1241.0	0.0	1241.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	4247.8	0.0	4247.8
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	5488.8	0.0	5488.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	1.0
10°-20°	132.5	2.4
20°-30°	242.2	4.4
30°-40°	457.4	8.3
40°-50°	745.1	13.6
50°-60°	1149.5	20.9
60°-70°	1409.0	25.7
70°-80°	1103.5	20.1
80°-90°	196.5	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°	5488.8	100.0
0°-180°	5488.8	100.0



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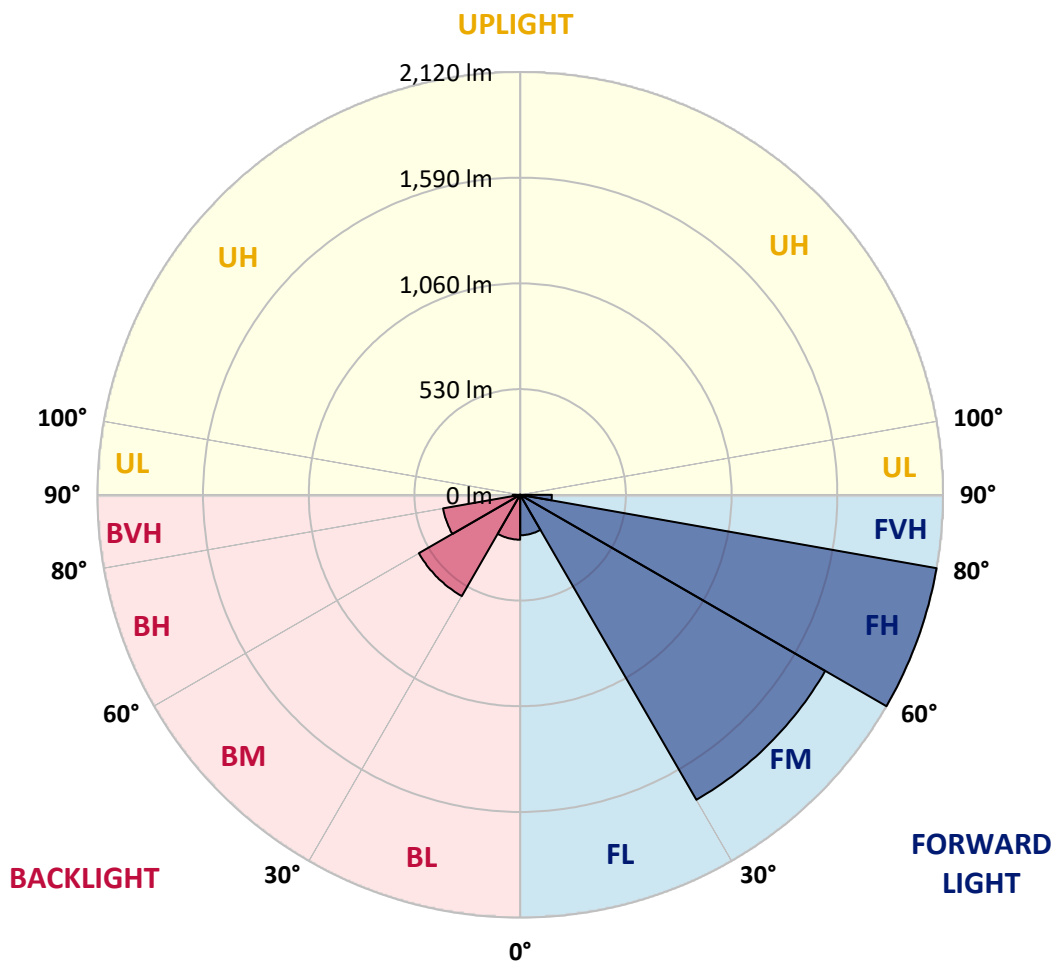
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.6	3.7			
FM (30°-60°)	1765.9	32.2			
FH (60°-80°)	2120.1	38.6			G2/5000
FVH (80°-90°)	159.1	2.9			G2/225
BL (0°-30°)	225.1	4.1	B1/500		
BM (30°-60°)	586.2	10.7	B1/1000		
BH (60°-80°)	392.4	7.1	B1/500		G1/500
BVH (80°-90°)	37.4	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-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0
2.5°	537.6	585.8	585.8	585.8	595.8	603.8	607.9	609.9	617.9	623.9	627.9
5°	501.5	503.5	503.5	503.5	505.5	507.5	509.6	511.6	515.6	517.6	523.6
7.5°	421.3	429.3	445.4	459.4	469.4	479.5	487.5	493.5	497.5	501.5	503.5
10°	469.4	469.4	469.4	469.4	469.4	469.4	445.4	421.3	423.3	423.3	411.3
12.5°	393.2	405.2	423.3	439.3	453.4	465.4	449.4	433.3	403.2	373.1	373.1
15°	455.4	455.4	453.4	451.4	425.3	399.2	375.1	351.1	367.1	383.2	355.1
17.5°	391.2	393.2	417.3	439.3	435.3	429.3	407.2	383.2	345.1	304.9	345.1
20°	501.5	495.5	483.5	471.4	415.3	359.1	369.1	379.2	389.2	397.2	397.2
22.5°	461.4	465.4	473.4	481.5	475.5	467.4	409.2	351.1	385.2	419.3	389.2
25°	631.9	631.9	607.9	583.8	523.6	461.4	471.4	479.5	421.3	361.1	411.3
27.5°	583.8	579.8	569.7	557.7	569.7	579.8	527.6	473.4	489.5	505.5	463.4
30°	776.4	776.4	766.3	756.3	670.0	581.8	575.8	567.7	533.6	497.5	521.6
32.5°	930.8	928.8	882.7	836.6	788.4	738.3	686.1	631.9	627.9	623.9	619.9
35°	1115.4	1115.4	1089.3	1063.2	956.9	848.6	786.4	724.2	706.2	688.1	702.1
37.5°	1219.7	1233.8	1223.7	1211.7	1095.3	977.0	890.7	802.4	784.4	766.3	772.4
40°	1364.2	1360.1	1358.1	1354.1	1219.7	1085.3	993.0	898.7	886.7	874.7	874.7
42.5°	1582.8	1560.8	1536.7	1510.6	1374.2	1237.8	1135.5	1031.1	1009.1	985.0	987.0
45°	1883.7	1859.7	1803.5	1745.3	1606.9	1468.5	1332.1	1195.6	1157.5	1117.4	1113.4
47.5°	2068.3	2042.2	2014.1	1984.1	1835.6	1687.1	1546.7	1404.3	1348.1	1291.9	1269.9
50°	2258.9	2234.8	2212.8	2190.7	2060.3	1929.9	1789.5	1649.0	1560.8	1472.5	1434.4
52.5°	2439.4	2395.3	2373.2	2351.2	2240.8	2128.5	1982.0	1835.6	1769.4	1703.2	1620.9
55°	2527.7	2473.5	2465.5	2455.5	2373.2	2289.0	2148.6	2008.1	1933.9	1857.7	1775.4
57.5°	2403.3	2407.3	2451.5	2495.6	2449.5	2403.3	2270.9	2138.5	2064.3	1990.1	1927.9
60°	2291.0	2321.1	2375.2	2429.4	2433.4	2435.4	2365.2	2295.0	2212.8	2130.5	2082.4
62.5°	2136.5	2158.6	2242.8	2325.1	2387.3	2447.5	2375.2	2303.0	2274.9	2244.8	2214.8
65°	1927.9	1933.9	2030.2	2124.5	2236.8	2347.2	2291.0	2234.8	2283.0	2329.1	2333.1
67.5°	1673.1	1691.2	1785.4	1879.7	2016.2	2150.6	2148.6	2146.5	2248.9	2349.2	2419.4
70°	1424.3	1424.3	1516.6	1608.9	1761.4	1913.8	1964.0	2014.1	2172.6	2331.1	2461.5
72.5°	1073.3	1123.4	1171.6	1219.7	1390.2	1558.8	1669.1	1779.4	2016.2	2250.9	2449.5
75°	591.8	595.8	637.9	680.1	850.6	1021.1	1187.6	1354.1	1671.1	1988.1	2301.0
77.5°	194.6	188.6	212.6	234.7	335.0	433.3	573.8	714.2	1063.2	1412.3	1915.8
80°	108.3	110.3	118.4	126.4	158.5	188.6	256.8	325.0	473.4	619.9	1217.7
82.5°	72.2	74.2	82.3	90.3	104.3	118.4	156.5	192.6	206.6	218.7	549.7
85°	46.1	48.1	52.2	56.2	60.2	62.2	88.3	114.3	104.3	94.3	164.5
87.5°	10.0	10.0	12.0	12.0	14.0	16.0	20.1	24.1	22.1	18.1	24.1
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°	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0
2.5°	629.9	633.9	635.9	637.9	640.0	644.0	646.0	648.0	652.0	654.0	654.0
5°	529.6	565.7	599.8	611.9	623.9	629.9	633.9	640.0	644.0	648.0	652.0
7.5°	505.5	507.5	509.6	523.6	537.6	549.7	561.7	565.7	575.8	569.7	561.7
10°	397.2	399.2	399.2	413.3	427.3	469.4	497.5	503.5	509.6	485.5	459.4
12.5°	371.1	381.2	391.2	385.2	379.2	409.2	429.3	437.3	441.3	425.3	409.2
15°	325.0	335.0	343.0	389.2	435.3	475.5	511.6	521.6	533.6	507.5	479.5
17.5°	385.2	381.2	375.1	383.2	391.2	401.2	421.3	427.3	427.3	435.3	443.4
20°	397.2	353.1	308.9	391.2	473.4	509.6	555.7	571.7	575.8	553.7	531.6
22.5°	357.1	407.2	457.4	447.4	437.3	427.3	427.3	433.3	439.3	443.4	447.4
25°	459.4	417.3	375.1	471.4	567.7	605.8	627.9	637.9	646.0	617.9	587.8
27.5°	421.3	477.5	531.6	573.8	615.9	658.0	704.1	748.3	694.1	668.0	642.0
30°	543.7	589.8	635.9	736.2	836.6	890.7	918.8	918.8	918.8	880.7	840.6
32.5°	615.9	696.1	776.4	830.5	882.7	936.9	958.9	958.9	958.9	912.8	864.6
35°	714.2	778.4	842.6	904.8	967.0	1009.1	1025.1	1019.1	1007.1	944.9	882.7
37.5°	778.4	864.6	950.9	1015.1	1077.3	1103.4	1109.4	1091.3	1073.3	991.0	906.8
40°	874.7	969.0	1061.2	1129.4	1197.7	1219.7	1207.7	1183.6	1151.5	1041.2	930.8
42.5°	987.0	1081.3	1175.6	1255.8	1334.1	1348.1	1330.1	1291.9	1235.8	1085.3	932.8
45°	1109.4	1203.7	1296.0	1386.2	1476.5	1486.5	1462.5	1406.3	1324.0	1127.4	930.8
47.5°	1245.8	1320.0	1394.3	1522.6	1651.0	1639.0	1602.9	1538.7	1430.4	1177.6	922.8
50°	1396.3	1454.4	1510.6	1671.1	1831.6	1795.5	1755.4	1685.1	1542.7	1235.8	926.8
52.5°	1536.7	1592.9	1649.0	1815.5	1980.0	1945.9	1901.8	1839.6	1657.1	1298.0	936.9
55°	1693.2	1753.3	1813.5	1990.1	2166.6	2108.4	2052.3	2012.1	1769.4	1350.1	930.8
57.5°	1863.7	1939.9	2016.2	2178.6	2339.1	2276.9	2244.8	2192.7	1893.8	1412.3	930.8
60°	2034.2	2126.5	2218.8	2361.2	2503.6	2453.5	2447.5	2375.2	2010.1	1458.4	904.8
62.5°	2184.7	2323.1	2461.5	2573.9	2684.2	2636.0	2638.0	2553.8	2118.5	1468.5	816.5
65°	2337.1	2515.7	2692.2	2774.5	2856.7	2822.6	2856.7	2706.3	2190.7	1428.4	666.0
67.5°	2487.6	2684.2	2880.8	2943.0	3005.2	2985.1	3025.2	2756.4	2174.6	1324.0	471.4
70°	2591.9	2800.5	3009.2	3041.3	3073.4	3069.4	3083.4	2694.2	2066.3	1189.6	310.9
72.5°	2648.1	2844.7	3039.3	3053.3	3065.4	3059.3	3001.2	2499.6	1871.7	1043.2	214.7
75°	2612.0	2802.6	2993.1	2965.0	2937.0	2880.8	2686.2	2152.6	1534.7	846.6	158.5
77.5°	2419.4	2626.0	2832.6	2760.4	2686.2	2521.7	2194.7	1612.9	1067.3	595.8	122.4
80°	1815.5	2070.3	2325.1	2238.8	2150.6	1803.5	1336.1	902.8	551.7	323.0	94.3
82.5°	878.7	1021.1	1163.6	1141.5	1119.4	828.5	577.8	325.0	158.5	116.4	74.2
85°	232.7	345.1	457.4	437.3	417.3	220.7	96.3	84.3	62.2	58.2	52.2
87.5°	28.1	32.1	34.1	24.1	12.0	10.0	10.0	6.0	6.0	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°	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0	652.0
2.5°	658.0	660.0	660.0	660.0	660.0	660.0	644.0	627.9	623.9	619.9	611.9
5°	633.9	613.9	599.8	585.8	585.8	583.8	589.8	595.8	599.8	601.8	603.8
7.5°	563.7	565.7	577.8	587.8	597.8	605.8	611.9	615.9	611.9	605.8	581.8
10°	461.4	463.4	473.4	481.5	495.5	507.5	541.7	573.8	611.9	650.0	660.0
12.5°	439.3	467.4	451.4	435.3	479.5	521.6	565.7	607.9	637.9	666.0	646.0
15°	447.4	415.3	421.3	427.3	481.5	535.6	503.5	469.4	549.7	629.9	648.0
17.5°	445.4	445.4	475.5	505.5	455.4	403.2	477.5	549.7	581.8	611.9	587.8
20°	475.5	417.3	439.3	459.4	499.5	537.6	505.5	473.4	485.5	497.5	575.8
22.5°	495.5	541.7	491.5	439.3	475.5	511.6	505.5	499.5	535.6	571.7	551.7
25°	517.6	445.4	481.5	515.6	475.5	433.3	465.4	495.5	485.5	475.5	537.6
27.5°	593.8	543.7	497.5	451.4	475.5	497.5	473.4	447.4	457.4	467.4	463.4
30°	718.2	593.8	535.6	477.5	447.4	415.3	417.3	419.3	431.3	443.4	477.5
32.5°	750.3	635.9	551.7	467.4	447.4	427.3	409.2	389.2	407.2	425.3	465.4
35°	758.3	631.9	541.7	451.4	419.3	387.2	375.1	363.1	393.2	423.3	459.4
37.5°	754.3	599.8	503.5	407.2	383.2	359.1	353.1	345.1	365.1	383.2	409.2
40°	744.3	557.7	461.4	365.1	345.1	325.0	321.0	317.0	331.0	345.1	361.1
42.5°	726.2	517.6	421.3	325.0	310.9	296.9	292.9	286.9	298.9	310.9	317.0
45°	704.1	477.5	387.2	294.9	284.9	272.8	266.8	258.8	270.8	280.9	282.9
47.5°	682.1	439.3	357.1	272.8	264.8	254.8	248.8	240.7	250.8	258.8	260.8
50°	664.0	399.2	325.0	250.8	242.7	234.7	228.7	222.7	232.7	240.7	240.7
52.5°	654.0	369.1	296.9	224.7	220.7	216.7	214.7	210.6	218.7	226.7	228.7
55°	629.9	327.0	264.8	200.6	202.6	202.6	200.6	196.6	212.6	226.7	232.7
57.5°	603.8	276.8	230.7	182.6	186.6	190.6	192.6	194.6	212.6	228.7	236.7
60°	569.7	234.7	200.6	166.5	172.5	176.5	186.6	194.6	210.6	226.7	230.7
62.5°	509.6	200.6	176.5	152.5	160.5	168.5	180.6	192.6	204.6	216.7	216.7
65°	421.3	174.5	158.5	140.4	152.5	162.5	176.5	190.6	200.6	208.6	206.6
67.5°	315.0	156.5	144.4	130.4	144.4	156.5	168.5	180.6	192.6	204.6	200.6
70°	226.7	140.4	132.4	122.4	134.4	146.4	158.5	170.5	182.6	194.6	192.6
72.5°	172.5	128.4	120.4	112.3	124.4	134.4	148.5	162.5	174.5	186.6	182.6
75°	138.4	116.4	110.3	102.3	114.3	126.4	140.4	152.5	164.5	176.5	172.5
77.5°	114.3	104.3	98.3	92.3	102.3	112.3	126.4	140.4	152.5	162.5	158.5
80°	92.3	88.3	84.3	78.2	90.3	100.3	114.3	126.4	136.4	146.4	140.4
82.5°	72.2	70.2	68.2	64.2	74.2	84.3	98.3	112.3	120.4	128.4	124.4
85°	54.2	54.2	52.2	50.2	58.2	64.2	72.2	78.2	86.3	92.3	88.3
87.5°	8.0	8.0	12.0	14.0	14.0	14.0	20.1	26.1	26.1	24.1	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):**

	165°	170°	175°	180°
0°	652.0	652.0	652.0	652.0
2.5°	603.8	603.8	603.8	605.8
5°	605.8	607.9	607.9	611.9
7.5°	555.7	553.7	551.7	551.7
10°	668.0	672.1	674.1	678.1
12.5°	623.9	599.8	575.8	575.8
15°	666.0	670.0	672.1	676.1
17.5°	563.7	561.7	559.7	555.7
20°	652.0	656.0	658.0	658.0
22.5°	531.6	531.6	529.6	529.6
25°	599.8	599.8	599.8	603.8
27.5°	457.4	471.4	485.5	503.5
30°	511.6	513.6	515.6	515.6
32.5°	505.5	531.6	557.7	561.7
35°	495.5	495.5	493.5	495.5
37.5°	435.3	429.3	421.3	425.3
40°	375.1	361.1	347.1	345.1
42.5°	323.0	310.9	296.9	296.9
45°	284.9	276.8	266.8	262.8
47.5°	260.8	252.8	244.7	242.7
50°	238.7	230.7	222.7	222.7
52.5°	230.7	224.7	216.7	214.7
55°	238.7	226.7	214.7	210.6
57.5°	242.7	228.7	214.7	208.6
60°	232.7	224.7	214.7	206.6
62.5°	214.7	210.6	206.6	202.6
65°	202.6	202.6	200.6	196.6
67.5°	196.6	198.6	198.6	194.6
70°	188.6	192.6	194.6	190.6
72.5°	178.5	180.6	180.6	174.5
75°	166.5	164.5	162.5	158.5
77.5°	152.5	150.5	146.4	142.4
80°	134.4	132.4	130.4	124.4
82.5°	118.4	122.4	124.4	102.3
85°	82.3	74.2	66.2	54.2
87.5°	16.0	12.0	6.0	6.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)