

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: P560523

Luminaire Tested: **SDL-PA1-50-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560523
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-PA1-50-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5359.8 lumens
Efficiency: N/A
Efficacy: 102.3 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 - G2

Input Watts (W): 52.4
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

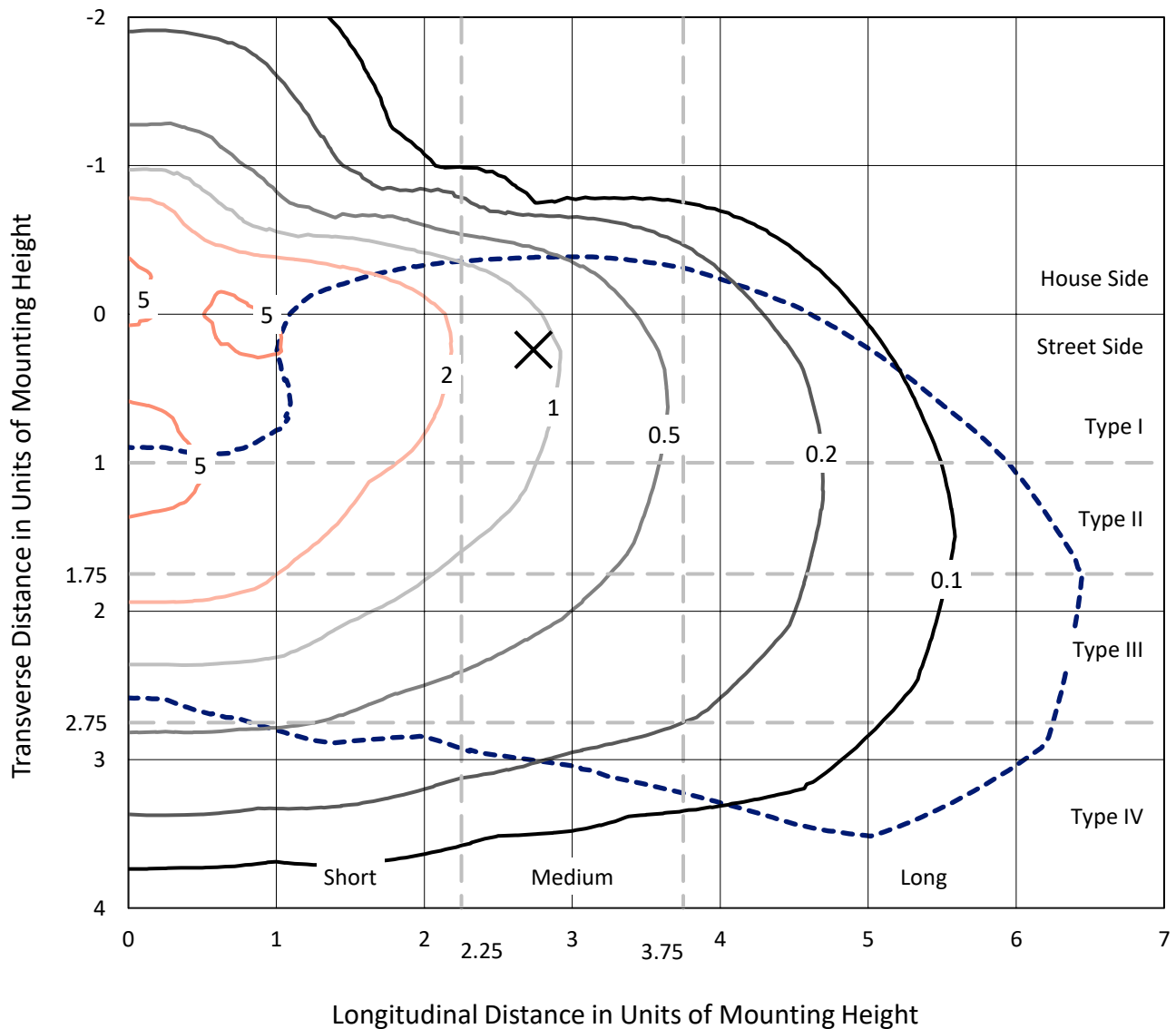


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

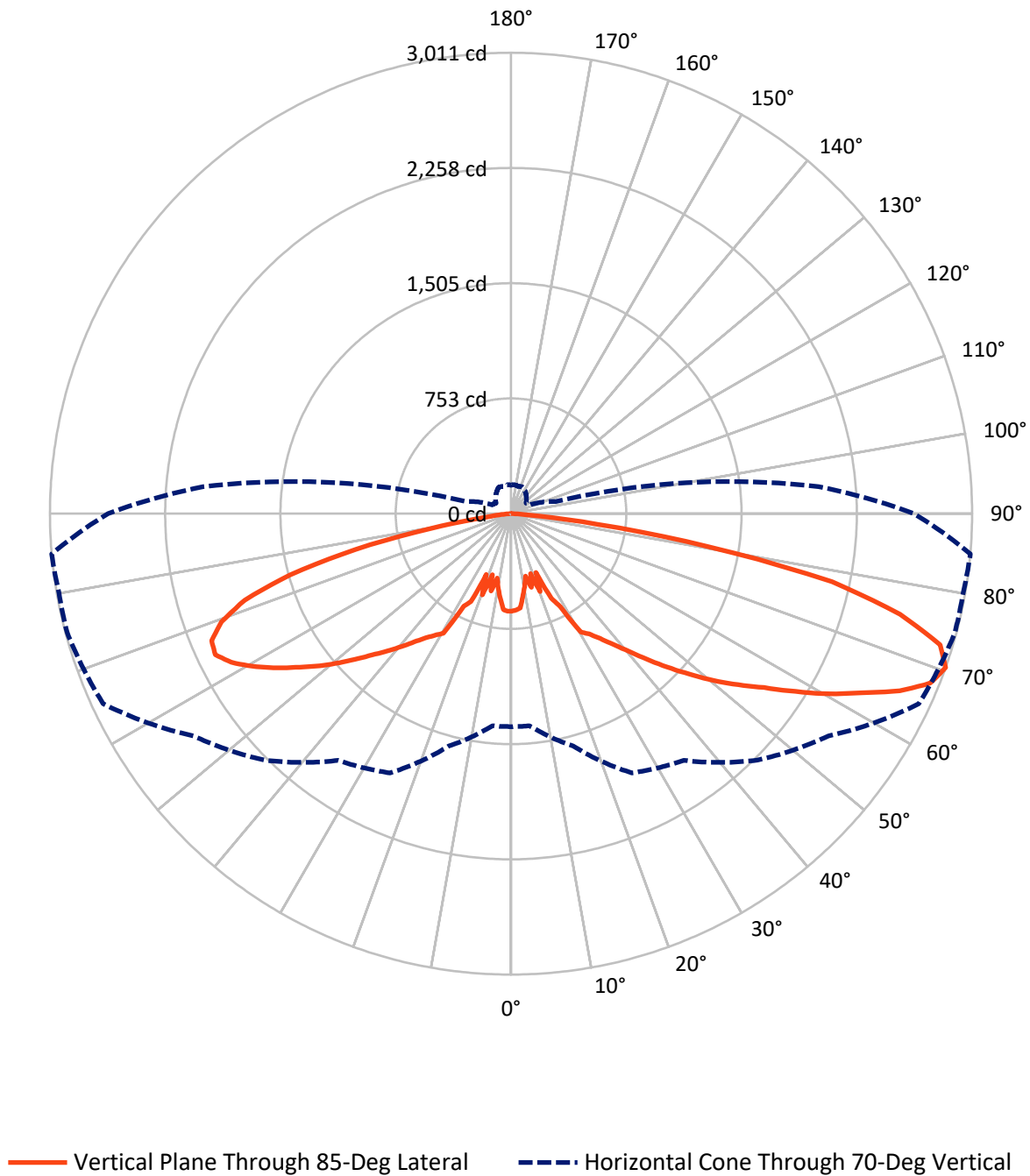


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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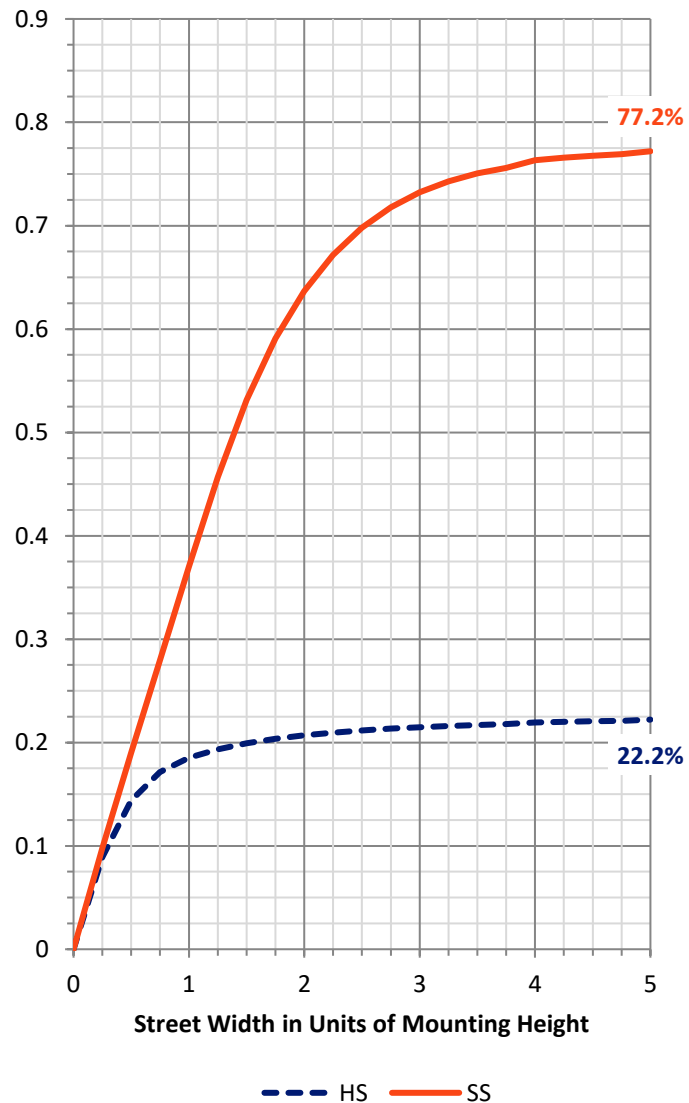
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.9	0.0	1211.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4147.9	0.0	4147.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	5359.8	0.0	5359.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.0
10°-20°	129.4	2.4
20°-30°	236.5	4.4
30°-40°	446.7	8.3
40°-50°	727.6	13.6
50°-60°	1122.5	20.9
60°-70°	1375.9	25.7
70°-80°	1077.5	20.1
80°-90°	191.9	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°	5359.8	100.0
0°-180°	5359.8	100.0

Coefficient of Utilization



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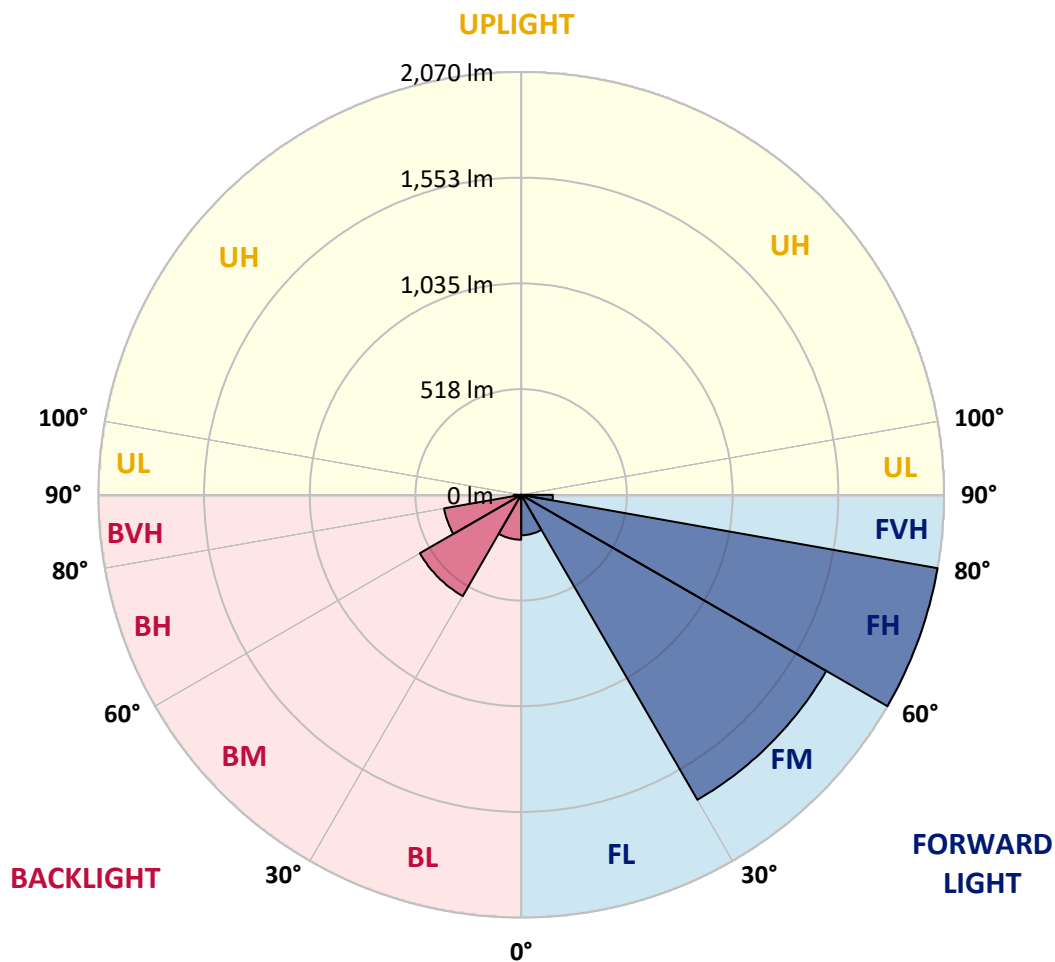
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.9	3.7			
FM	(30°-60°)	1724.4	32.2			
FH	(60°-80°)	2070.3	38.6			G2/5000
FVH	(80°-90°)	155.4	2.9			G2/225
BL	(0°-30°)	219.8	4.1	B1/500		
BM	(30°-60°)	572.5	10.7	B1/1000		
BH	(60°-80°)	383.1	7.1	B1/500		G1/500
BVH	(80°-90°)	36.5	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°	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7
2.5°	525.0	572.0	572.0	572.0	581.8	589.6	593.6	595.5	603.4	609.2	613.2
5°	489.7	491.7	491.7	491.7	493.7	495.6	497.6	499.5	503.5	505.4	511.3
7.5°	411.4	419.2	434.9	448.6	458.4	468.2	476.0	481.9	485.8	489.7	491.7
10°	458.4	458.4	458.4	458.4	458.4	458.4	434.9	411.4	413.3	413.3	401.6
12.5°	384.0	395.7	413.3	429.0	442.7	454.5	438.8	423.1	393.8	364.4	364.4
15°	444.7	444.7	442.7	440.8	415.3	389.8	366.3	342.8	358.5	374.2	346.7
17.5°	382.0	384.0	407.5	429.0	425.1	419.2	397.7	374.2	336.9	297.8	336.9
20°	489.7	483.9	472.1	460.4	405.5	350.7	360.4	370.2	380.0	387.9	387.9
22.5°	450.6	454.5	462.3	470.2	464.3	456.4	399.6	342.8	376.1	409.4	380.0
25°	617.1	617.1	593.6	570.1	511.3	450.6	460.4	468.2	411.4	352.6	401.6
27.5°	570.1	566.1	556.3	544.6	556.3	566.1	515.2	462.3	478.0	493.7	452.5
30°	758.1	758.1	748.3	738.5	654.3	568.1	562.2	554.4	521.1	485.8	509.3
32.5°	909.0	907.0	861.9	816.9	769.9	720.9	670.0	617.1	613.2	609.2	605.3
35°	1089.2	1089.2	1063.7	1038.3	934.4	828.6	767.9	707.2	689.6	671.9	685.6
37.5°	1191.1	1204.8	1195.0	1183.2	1069.6	954.0	869.8	783.6	766.0	748.3	754.2
40°	1332.1	1328.2	1326.2	1322.3	1191.1	1059.8	969.7	877.6	865.9	854.1	854.1
42.5°	1545.6	1524.1	1500.6	1475.1	1341.9	1208.7	1108.8	1006.9	985.4	961.9	963.8
45°	1839.5	1816.0	1761.1	1704.3	1569.1	1434.0	1300.8	1167.5	1130.3	1091.1	1087.2
47.5°	2019.7	1994.2	1966.8	1937.4	1792.5	1647.5	1510.4	1371.3	1316.4	1261.6	1240.0
50°	2205.8	2182.3	2160.7	2139.2	2011.9	1884.5	1747.4	1610.3	1524.1	1437.9	1400.7
52.5°	2382.1	2339.0	2317.5	2295.9	2188.2	2078.5	1935.5	1792.5	1727.8	1663.2	1582.8
55°	2468.3	2415.4	2407.6	2397.8	2317.5	2235.2	2098.1	1960.9	1888.4	1814.0	1733.7
57.5°	2346.8	2350.8	2393.9	2437.0	2391.9	2346.8	2217.5	2088.3	2015.8	1943.3	1882.6
60°	2237.1	2266.5	2319.4	2372.3	2376.2	2378.2	2309.6	2241.1	2160.7	2080.4	2033.4
62.5°	2086.3	2107.8	2190.1	2270.4	2331.2	2389.9	2319.4	2248.9	2221.5	2192.1	2162.7
65°	1882.6	1888.4	1982.5	2074.5	2184.2	2292.0	2237.1	2182.3	2229.3	2274.4	2278.3
67.5°	1633.8	1651.4	1743.5	1835.6	1968.8	2100.0	2098.1	2096.1	2196.0	2293.9	2362.5
70°	1390.9	1390.9	1481.0	1571.1	1720.0	1868.9	1917.8	1966.8	2121.6	2276.3	2403.7
72.5°	1048.0	1097.0	1144.0	1191.1	1357.6	1522.1	1629.9	1737.6	1968.8	2198.0	2391.9
75°	577.9	581.8	623.0	664.1	830.6	997.1	1159.7	1322.3	1631.8	1941.3	2246.9
77.5°	190.0	184.1	207.7	229.2	327.1	423.1	560.3	697.4	1038.3	1379.1	1870.8
80°	105.8	107.7	115.6	123.4	154.8	184.1	250.7	317.4	462.3	605.3	1189.1
82.5°	70.5	72.5	80.3	88.2	101.9	115.6	152.8	188.1	201.8	213.5	536.8
85°	45.1	47.0	50.9	54.9	58.8	60.7	86.2	111.7	101.9	92.1	160.6
87.5°	9.8	9.8	11.8	11.8	13.7	15.7	19.6	23.5	21.5	17.6	23.5
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°	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7
2.5°	615.1	619.0	621.0	623.0	624.9	628.8	630.8	632.7	636.7	638.6	638.6
5°	517.2	552.4	585.7	597.5	609.2	615.1	619.0	624.9	628.8	632.7	636.7
7.5°	493.7	495.6	497.6	511.3	525.0	536.8	548.5	552.4	562.2	556.3	548.5
10°	387.9	389.8	389.8	403.5	417.3	458.4	485.8	491.7	497.6	474.1	448.6
12.5°	362.4	372.2	382.0	376.1	370.2	399.6	419.2	427.1	431.0	415.3	399.6
15°	317.4	327.1	335.0	380.0	425.1	464.3	499.5	509.3	521.1	495.6	468.2
17.5°	376.1	372.2	366.3	374.2	382.0	391.8	411.4	417.3	417.3	425.1	432.9
20°	387.9	344.8	301.7	382.0	462.3	497.6	542.6	558.3	562.2	540.7	519.1
22.5°	348.7	397.7	446.6	436.8	427.1	417.3	417.3	423.1	429.0	432.9	436.8
25°	448.6	407.5	366.3	460.4	554.4	591.6	613.2	623.0	630.8	603.4	574.0
27.5°	411.4	466.2	519.1	560.3	601.4	642.5	687.6	730.7	677.8	652.3	626.9
30°	530.9	575.9	621.0	718.9	816.9	869.8	897.2	897.2	897.2	860.0	820.8
32.5°	601.4	679.8	758.1	811.0	861.9	914.8	936.4	936.4	936.4	891.3	844.3
35°	697.4	760.1	822.8	883.5	944.2	985.4	1001.0	995.2	983.4	922.7	861.9
37.5°	760.1	844.3	928.5	991.2	1052.0	1077.4	1083.3	1065.7	1048.0	967.7	885.5
40°	854.1	946.2	1036.3	1102.9	1169.5	1191.1	1179.3	1155.8	1124.4	1016.7	909.0
42.5°	963.8	1055.9	1148.0	1226.3	1302.7	1316.4	1298.8	1261.6	1206.7	1059.8	910.9
45°	1083.3	1175.4	1265.5	1353.6	1441.8	1451.6	1428.1	1373.2	1292.9	1100.9	909.0
47.5°	1216.5	1289.0	1361.5	1486.9	1612.2	1600.5	1565.2	1502.5	1396.7	1149.9	901.1
50°	1363.4	1420.3	1475.1	1631.8	1788.5	1753.3	1714.1	1645.5	1506.4	1206.7	905.0
52.5°	1500.6	1555.4	1610.3	1772.9	1933.5	1900.2	1857.1	1796.4	1618.1	1267.5	914.8
55°	1653.4	1712.1	1770.9	1943.3	2115.7	2058.9	2004.0	1964.8	1727.8	1318.4	909.0
57.5°	1819.9	1894.3	1968.8	2127.4	2284.2	2223.4	2192.1	2141.1	1849.3	1379.1	909.0
60°	1986.4	2076.5	2166.6	2305.7	2444.8	2395.8	2389.9	2319.4	1962.9	1424.2	883.5
62.5°	2133.3	2268.5	2403.7	2513.4	2621.1	2574.1	2576.0	2493.8	2068.7	1434.0	797.3
65°	2282.2	2456.5	2628.9	2709.2	2789.6	2756.3	2789.6	2642.6	2139.2	1394.8	650.4
67.5°	2429.1	2621.1	2813.1	2873.8	2934.5	2914.9	2954.1	2691.6	2123.5	1292.9	460.4
70°	2531.0	2734.7	2938.4	2969.8	3001.1	2997.2	3010.9	2630.9	2017.7	1161.7	303.6
72.5°	2585.8	2777.8	2967.8	2981.5	2993.3	2987.4	2930.6	2440.9	1827.7	1018.7	209.6
75°	2550.6	2736.7	2922.8	2895.4	2867.9	2813.1	2623.1	2102.0	1498.6	826.7	154.8
77.5°	2362.5	2564.3	2766.1	2695.5	2623.1	2462.4	2143.1	1575.0	1042.2	581.8	119.5
80°	1772.9	2021.7	2270.4	2186.2	2100.0	1761.1	1304.7	881.5	538.7	315.4	92.1
82.5°	858.0	997.1	1136.2	1114.7	1093.1	809.1	564.2	317.4	154.8	113.6	72.5
85°	227.2	336.9	446.6	427.1	407.5	215.5	94.0	82.3	60.7	56.8	50.9
87.5°	27.4	31.3	33.3	23.5	11.8	9.8	9.8	5.9	5.9	7.8	7.8
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°	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7
2.5°	642.5	644.5	644.5	644.5	644.5	644.5	628.8	613.2	609.2	605.3	597.5
5°	619.0	599.4	585.7	572.0	572.0	570.1	575.9	581.8	585.7	587.7	589.6
7.5°	550.5	552.4	564.2	574.0	583.8	591.6	597.5	601.4	597.5	591.6	568.1
10°	450.6	452.5	462.3	470.2	483.9	495.6	528.9	560.3	597.5	634.7	644.5
12.5°	429.0	456.4	440.8	425.1	468.2	509.3	552.4	593.6	623.0	650.4	630.8
15°	436.8	405.5	411.4	417.3	470.2	523.0	491.7	458.4	536.8	615.1	632.7
17.5°	434.9	434.9	464.3	493.7	444.7	393.8	466.2	536.8	568.1	597.5	574.0
20°	464.3	407.5	429.0	448.6	487.8	525.0	493.7	462.3	474.1	485.8	562.2
22.5°	483.9	528.9	479.9	429.0	464.3	499.5	493.7	487.8	523.0	558.3	538.7
25°	505.4	434.9	470.2	503.5	464.3	423.1	454.5	483.9	474.1	464.3	525.0
27.5°	579.9	530.9	485.8	440.8	464.3	485.8	462.3	436.8	446.6	456.4	452.5
30°	701.3	579.9	523.0	466.2	436.8	405.5	407.5	409.4	421.2	432.9	466.2
32.5°	732.7	621.0	538.7	456.4	436.8	417.3	399.6	380.0	397.7	415.3	454.5
35°	740.5	617.1	528.9	440.8	409.4	378.1	366.3	354.6	384.0	413.3	448.6
37.5°	736.6	585.7	491.7	397.7	374.2	350.7	344.8	336.9	356.5	374.2	399.6
40°	726.8	544.6	450.6	356.5	336.9	317.4	313.4	309.5	323.2	336.9	352.6
42.5°	709.1	505.4	411.4	317.4	303.6	289.9	286.0	280.1	291.9	303.6	309.5
45°	687.6	466.2	378.1	288.0	278.2	266.4	260.5	252.7	264.5	274.3	276.2
47.5°	666.0	429.0	348.7	266.4	258.6	248.8	242.9	235.1	244.9	252.7	254.7
50°	648.4	389.8	317.4	244.9	237.0	229.2	223.3	217.4	227.2	235.1	235.1
52.5°	638.6	360.4	289.9	219.4	215.5	211.6	209.6	205.7	213.5	221.4	223.3
55°	615.1	319.3	258.6	195.9	197.9	197.9	195.9	192.0	207.7	221.4	227.2
57.5°	589.6	270.3	225.3	178.3	182.2	186.1	188.1	190.0	207.7	223.3	231.2
60°	556.3	229.2	195.9	162.6	168.5	172.4	182.2	190.0	205.7	221.4	225.3
62.5°	497.6	195.9	172.4	148.9	156.7	164.6	176.3	188.1	199.8	211.6	211.6
65°	411.4	170.4	154.8	137.1	148.9	158.7	172.4	186.1	195.9	203.7	201.8
67.5°	307.6	152.8	141.0	127.3	141.0	152.8	164.6	176.3	188.1	199.8	195.9
70°	221.4	137.1	129.3	119.5	131.3	143.0	154.8	166.5	178.3	190.0	188.1
72.5°	168.5	125.4	117.5	109.7	121.5	131.3	145.0	158.7	170.4	182.2	178.3
75°	135.2	113.6	107.7	99.9	111.7	123.4	137.1	148.9	160.6	172.4	168.5
77.5°	111.7	101.9	96.0	90.1	99.9	109.7	123.4	137.1	148.9	158.7	154.8
80°	90.1	86.2	82.3	76.4	88.2	97.9	111.7	123.4	133.2	143.0	137.1
82.5°	70.5	68.6	66.6	62.7	72.5	82.3	96.0	109.7	117.5	125.4	121.5
85°	52.9	52.9	50.9	49.0	56.8	62.7	70.5	76.4	84.2	90.1	86.2
87.5°	7.8	7.8	11.8	13.7	13.7	13.7	19.6	25.5	25.5	23.5	19.6
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):

	165°	170°	175°	180°
0°	636.7	636.7	636.7	636.7
2.5°	589.6	589.6	589.6	591.6
5°	591.6	593.6	593.6	597.5
7.5°	542.6	540.7	538.7	538.7
10°	652.3	656.3	658.2	662.1
12.5°	609.2	585.7	562.2	562.2
15°	650.4	654.3	656.3	660.2
17.5°	550.5	548.5	546.6	542.6
20°	636.7	640.6	642.5	642.5
22.5°	519.1	519.1	517.2	517.2
25°	585.7	585.7	585.7	589.6
27.5°	446.6	460.4	474.1	491.7
30°	499.5	501.5	503.5	503.5
32.5°	493.7	519.1	544.6	548.5
35°	483.9	483.9	481.9	483.9
37.5°	425.1	419.2	411.4	415.3
40°	366.3	352.6	338.9	336.9
42.5°	315.4	303.6	289.9	289.9
45°	278.2	270.3	260.5	256.6
47.5°	254.7	246.8	239.0	237.0
50°	233.1	225.3	217.4	217.4
52.5°	225.3	219.4	211.6	209.6
55°	233.1	221.4	209.6	205.7
57.5°	237.0	223.3	209.6	203.7
60°	227.2	219.4	209.6	201.8
62.5°	209.6	205.7	201.8	197.9
65°	197.9	197.9	195.9	192.0
67.5°	192.0	193.9	193.9	190.0
70°	184.1	188.1	190.0	186.1
72.5°	174.3	176.3	176.3	170.4
75°	162.6	160.6	158.7	154.8
77.5°	148.9	146.9	143.0	139.1
80°	131.3	129.3	127.3	121.5
82.5°	115.6	119.5	121.5	99.9
85°	80.3	72.5	64.6	52.9
87.5°	15.7	11.8	5.9	5.9
90°	0.0	0.0	0.0	0.0

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