

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: P561051

Luminaire Tested: **SDL-PA1-80-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561051
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-PA1-80-727-U-T3
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7772.8 lumens
Efficiency: N/A
Efficacy: 94.8 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 - G3

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



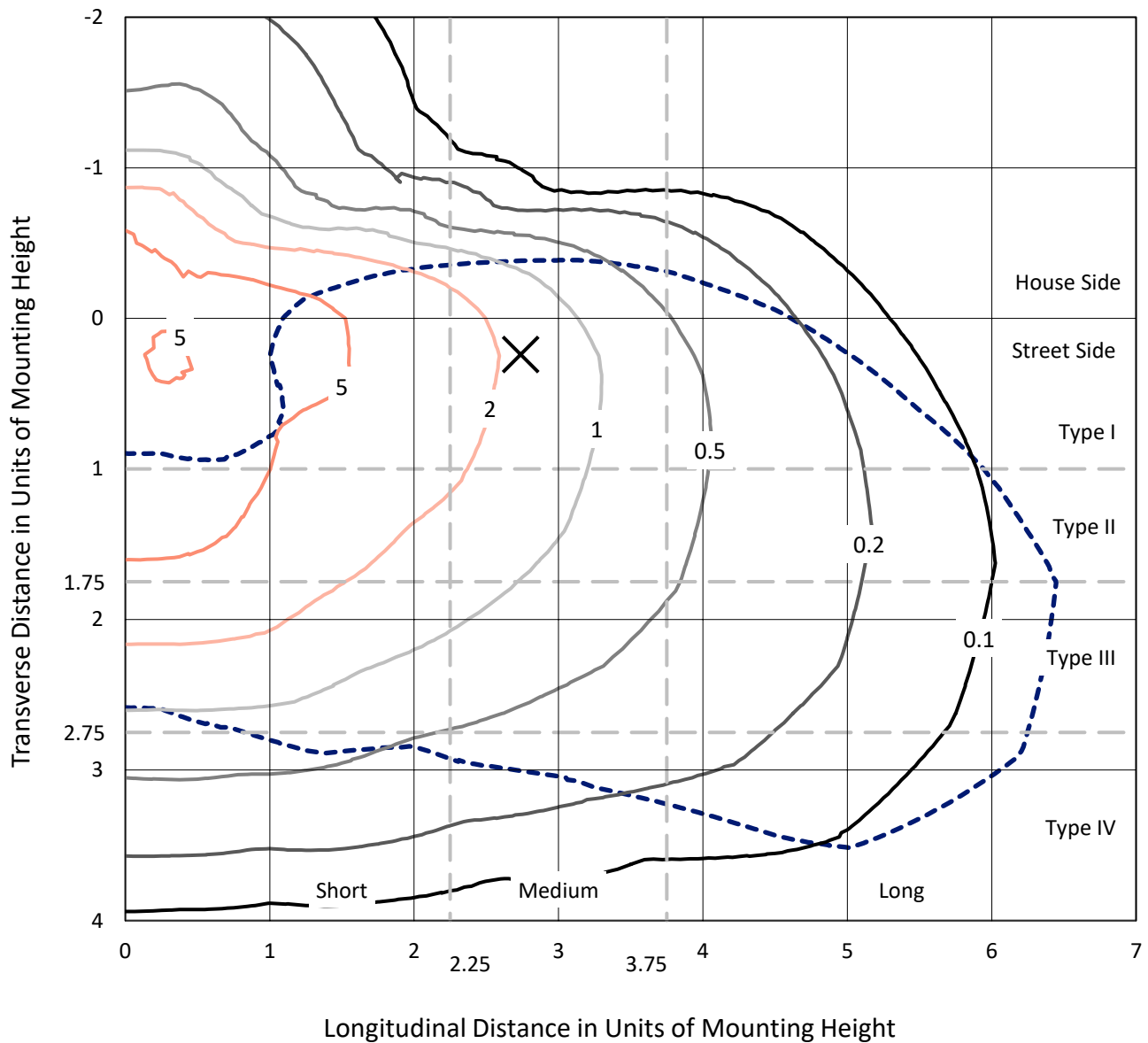
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

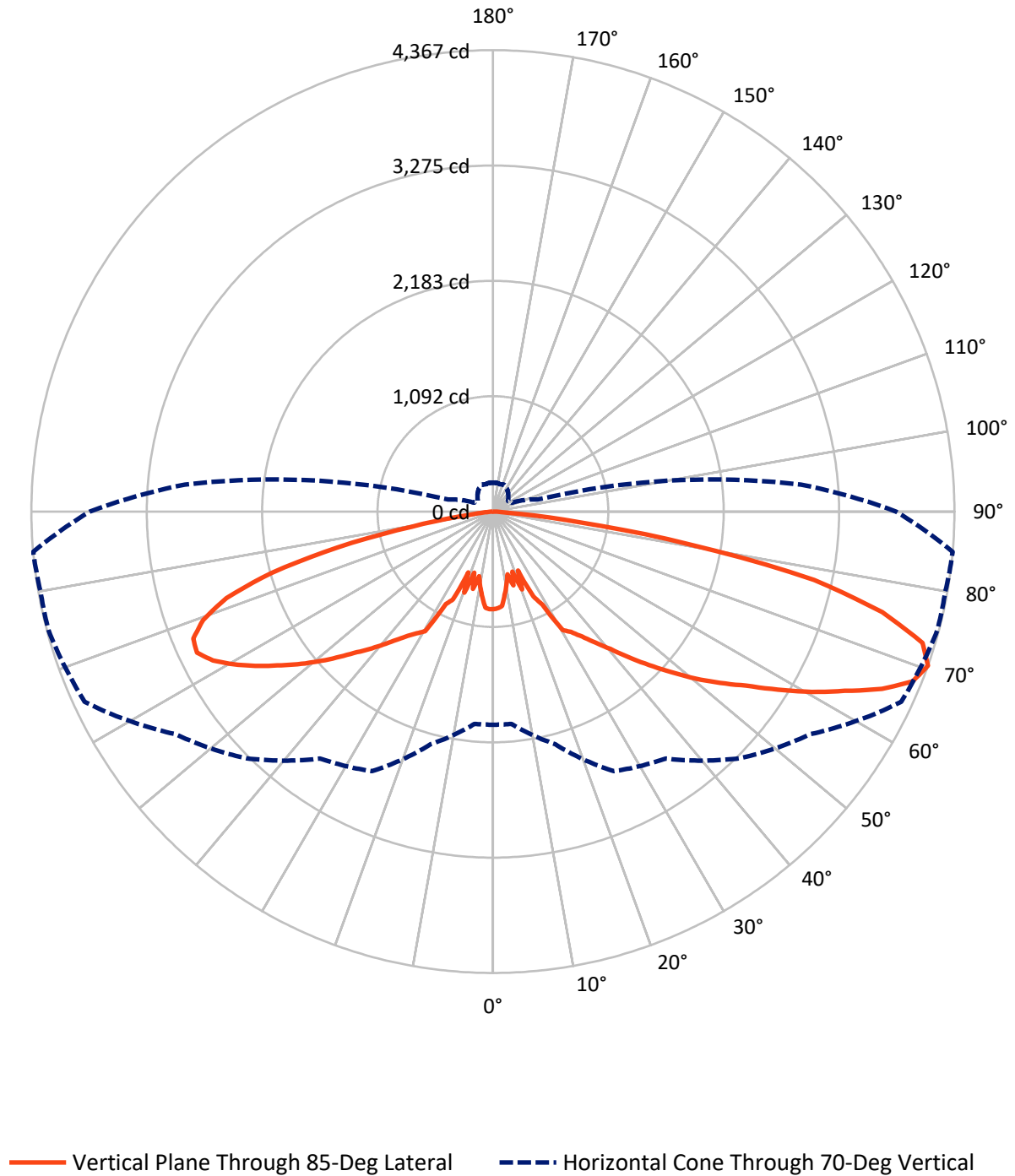


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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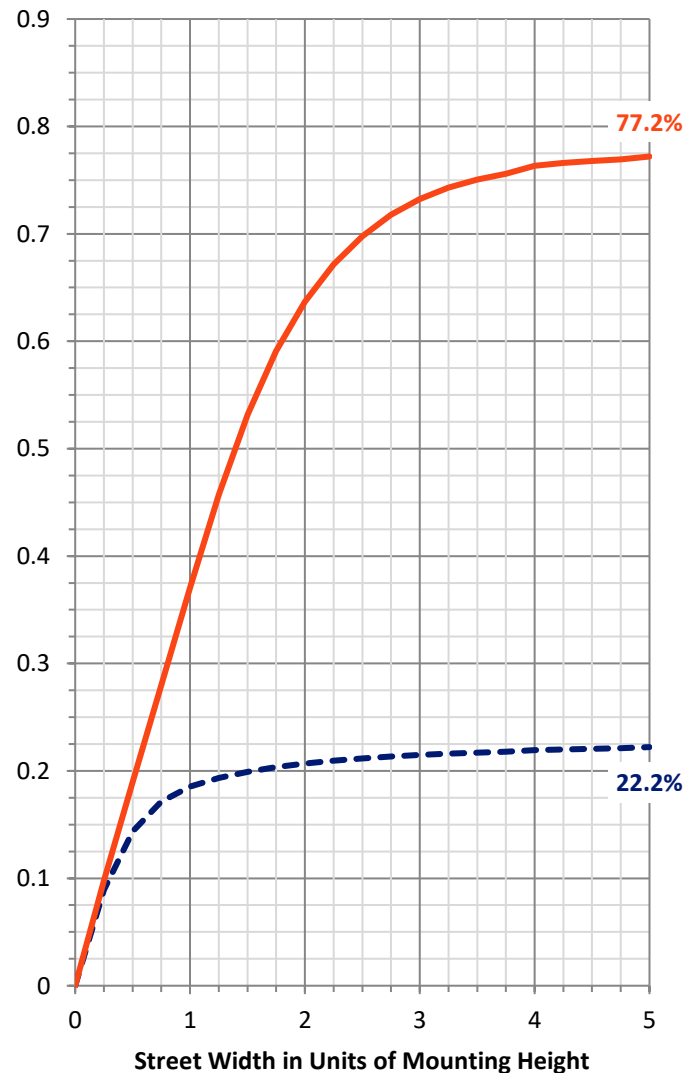
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1757.5	0.0	1757.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6015.3	0.0	6015.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	7772.8	0.0	7772.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.0
10°-20°	187.7	2.4
20°-30°	343.0	4.4
30°-40°	647.8	8.3
40°-50°	1055.2	13.6
50°-60°	1627.9	20.9
60°-70°	1995.3	25.7
70°-80°	1562.6	20.1
80°-90°	278.2	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°	7772.8	100.0
0°-180°	7772.8	100.0



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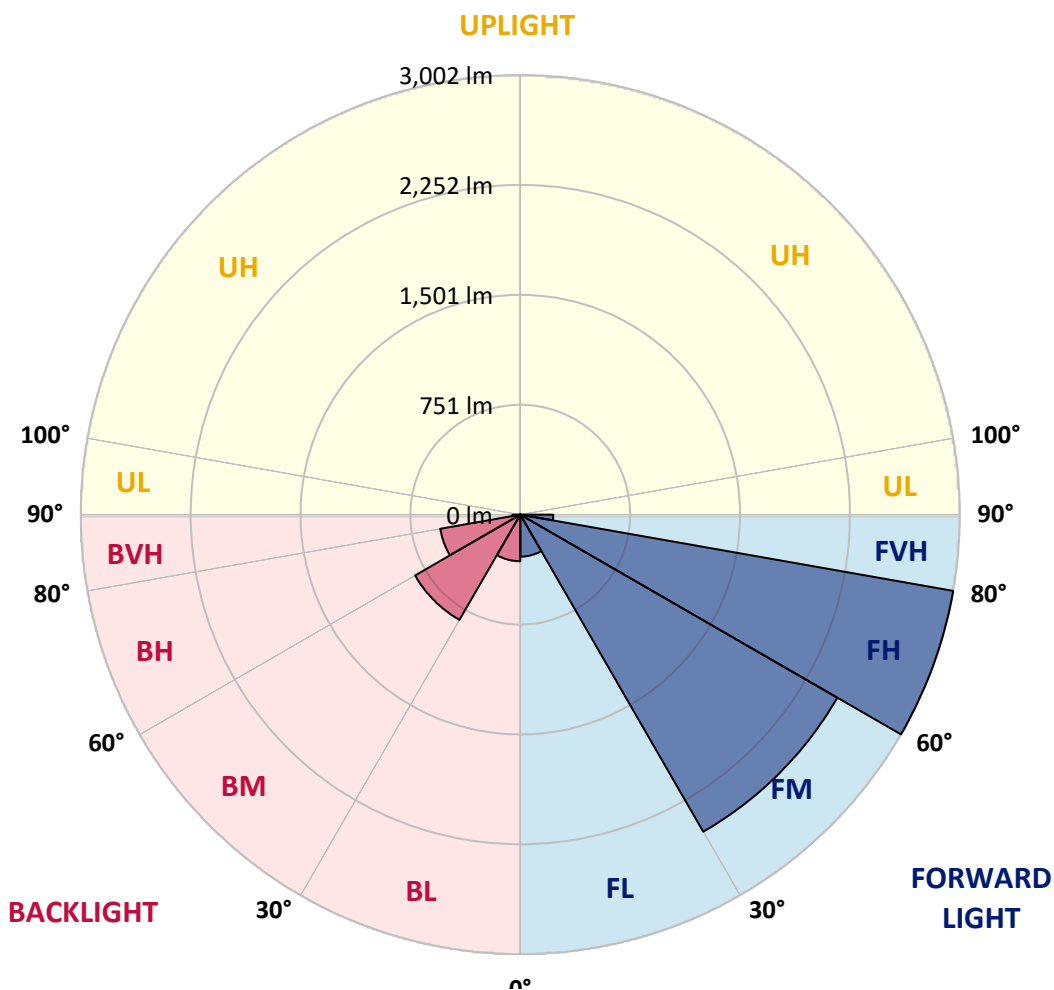
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.0	3.7			
FM	(30°-60°)	2500.7	32.2			
FH	(60°-80°)	3002.3	38.6			G2/5000
FVH	(80°-90°)	225.3	2.9			G3/500
BL	(0°-30°)	318.8	4.1	B1/500		
BM	(30°-60°)	830.2	10.7	B1/1000		
BH	(60°-80°)	555.6	7.1	B2/1000		G2/1000
BVH	(80°-90°)	52.9	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-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	761.4	829.5	829.5	829.5	843.7	855.1	860.8	863.6	875.0	883.5	889.2
5°	710.2	713.1	713.1	713.1	715.9	718.7	721.6	724.4	730.1	733.0	741.5
7.5°	596.6	608.0	630.7	650.6	664.8	679.0	690.3	698.9	704.5	710.2	713.1
10°	664.8	664.8	664.8	664.8	664.8	664.8	630.7	596.6	599.4	599.4	582.4
12.5°	556.8	573.9	599.4	622.2	642.0	659.1	636.4	613.6	571.0	528.4	528.4
15°	644.9	644.9	642.0	639.2	602.3	565.3	531.2	497.2	519.9	542.6	502.8
17.5°	554.0	556.8	590.9	622.2	616.5	608.0	576.7	542.6	488.6	431.8	488.6
20°	710.2	701.7	684.7	667.6	588.1	508.5	522.7	536.9	551.1	562.5	562.5
22.5°	653.4	659.1	670.5	681.8	673.3	661.9	579.5	497.2	545.5	593.7	551.1
25°	894.9	894.9	860.8	826.7	741.5	653.4	667.6	679.0	596.6	511.4	582.4
27.5°	826.7	821.0	806.8	789.8	806.8	821.0	747.2	670.5	693.2	715.9	656.2
30°	1099.4	1099.4	1085.2	1071.0	948.9	823.9	815.3	804.0	755.7	704.5	738.6
32.5°	1318.2	1315.3	1250.0	1184.7	1116.5	1045.4	971.6	894.9	889.2	883.5	877.8
35°	1579.5	1579.5	1542.6	1505.7	1355.1	1201.7	1113.6	1025.6	1000.0	974.4	994.3
37.5°	1727.3	1747.2	1732.9	1715.9	1551.1	1383.5	1261.4	1136.4	1110.8	1085.2	1093.7
40°	1931.8	1926.1	1923.3	1917.6	1727.3	1536.9	1406.2	1272.7	1255.7	1238.6	1238.6
42.5°	2241.5	2210.2	2176.1	2139.2	1946.0	1752.8	1607.9	1460.2	1429.0	1394.9	1397.7
45°	2667.6	2633.5	2554.0	2471.6	2275.6	2079.5	1886.4	1693.2	1639.2	1582.4	1576.7
47.5°	2929.0	2892.0	2852.3	2809.6	2599.4	2389.2	2190.3	1988.6	1909.1	1829.5	1798.3
50°	3198.8	3164.8	3133.5	3102.3	2917.6	2732.9	2534.1	2335.2	2210.2	2085.2	2031.2
52.5°	3454.5	3392.0	3360.8	3329.5	3173.3	3014.2	2806.8	2599.4	2505.7	2411.9	2295.4
55°	3579.5	3502.8	3491.5	3477.3	3360.8	3241.5	3042.6	2843.7	2738.6	2630.7	2514.2
57.5°	3403.4	3409.1	3471.6	3534.1	3468.7	3403.4	3215.9	3028.4	2923.3	2818.2	2730.1
60°	3244.3	3286.9	3363.6	3440.3	3446.0	3448.8	3349.4	3250.0	3133.5	3017.0	2948.8
62.5°	3025.6	3056.8	3176.1	3292.6	3380.7	3465.9	3363.6	3261.3	3221.6	3179.0	3136.3
65°	2730.1	2738.6	2875.0	3008.5	3167.6	3323.8	3244.3	3164.8	3232.9	3298.3	3304.0
67.5°	2369.3	2394.9	2528.4	2661.9	2855.1	3045.4	3042.6	3039.8	3184.6	3326.7	3426.1
70°	2017.0	2017.0	2147.7	2278.4	2494.3	2710.2	2781.2	2852.3	3076.7	3301.1	3485.8
72.5°	1519.9	1590.9	1659.1	1727.3	1968.7	2207.4	2363.6	2519.9	2855.1	3187.5	3468.7
75°	838.1	843.7	903.4	963.1	1204.5	1446.0	1681.8	1917.6	2366.5	2815.3	3258.5
77.5°	275.6	267.0	301.1	332.4	474.4	613.6	812.5	1011.4	1505.7	2000.0	2713.1
80°	153.4	156.2	167.6	179.0	224.4	267.0	363.6	460.2	670.5	877.8	1724.4
82.5°	102.3	105.1	116.5	127.8	147.7	167.6	221.6	272.7	292.6	309.7	778.4
85°	65.3	68.2	73.9	79.5	85.2	88.1	125.0	161.9	147.7	133.5	233.0
87.5°	14.2	14.2	17.0	17.0	19.9	22.7	28.4	34.1	31.2	25.6	34.1
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°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	892.0	897.7	900.6	903.4	906.2	911.9	914.8	917.6	923.3	926.1	926.1
5°	750.0	801.1	849.4	866.5	883.5	892.0	897.7	906.2	911.9	917.6	923.3
7.5°	715.9	718.7	721.6	741.5	761.4	778.4	795.5	801.1	815.3	806.8	795.5
10°	562.5	565.3	565.3	585.2	605.1	664.8	704.5	713.1	721.6	687.5	650.6
12.5°	525.6	539.8	554.0	545.5	536.9	579.5	608.0	619.3	625.0	602.3	579.5
15°	460.2	474.4	485.8	551.1	616.5	673.3	724.4	738.6	755.7	718.7	679.0
17.5°	545.5	539.8	531.2	542.6	554.0	568.2	596.6	605.1	605.1	616.5	627.8
20°	562.5	500.0	437.5	554.0	670.5	721.6	786.9	809.7	815.3	784.1	752.8
22.5°	505.7	576.7	647.7	633.5	619.3	605.1	605.1	613.6	622.2	627.8	633.5
25°	650.6	590.9	531.2	667.6	804.0	858.0	889.2	903.4	914.8	875.0	832.4
27.5°	596.6	676.1	752.8	812.5	872.2	931.8	997.2	1059.7	982.9	946.0	909.1
30°	769.9	835.2	900.6	1042.6	1184.7	1261.4	1301.1	1301.1	1301.1	1247.2	1190.3
32.5°	872.2	985.8	1099.4	1176.1	1250.0	1326.7	1357.9	1357.9	1357.9	1292.6	1224.4
35°	1011.4	1102.3	1193.2	1281.2	1369.3	1429.0	1451.7	1443.2	1426.1	1338.1	1250.0
37.5°	1102.3	1224.4	1346.6	1437.5	1525.6	1562.5	1571.0	1545.4	1519.9	1403.4	1284.1
40°	1238.6	1372.2	1502.8	1599.4	1696.0	1727.3	1710.2	1676.1	1630.7	1474.4	1318.2
42.5°	1397.7	1531.2	1664.8	1778.4	1889.2	1909.1	1883.5	1829.5	1750.0	1536.9	1321.0
45°	1571.0	1704.5	1835.2	1963.1	2090.9	2105.1	2071.0	1991.5	1875.0	1596.6	1318.2
47.5°	1764.2	1869.3	1974.4	2156.2	2338.1	2321.0	2269.9	2179.0	2025.6	1667.6	1306.8
50°	1977.3	2059.6	2139.2	2366.5	2593.7	2542.6	2485.8	2386.4	2184.6	1750.0	1312.5
52.5°	2176.1	2255.7	2335.2	2571.0	2804.0	2755.7	2693.2	2605.1	2346.6	1838.1	1326.7
55°	2397.7	2482.9	2568.2	2818.2	3068.2	2985.8	2906.2	2849.4	2505.7	1911.9	1318.2
57.5°	2639.2	2747.1	2855.1	3085.2	3312.5	3224.4	3179.0	3105.1	2681.8	2000.0	1318.2
60°	2880.7	3011.3	3142.0	3343.7	3545.4	3474.4	3465.9	3363.6	2846.6	2065.3	1281.2
62.5°	3093.7	3289.8	3485.8	3644.9	3801.1	3732.9	3735.8	3616.5	3000.0	2079.5	1156.2
65°	3309.6	3562.5	3812.5	3929.0	4045.4	3997.1	4045.4	3832.4	3102.3	2022.7	943.2
67.5°	3522.7	3801.1	4079.5	4167.6	4255.7	4227.3	4284.1	3903.4	3079.5	1875.0	667.6
70°	3670.4	3965.9	4261.3	4306.8	4352.3	4346.6	4366.5	3815.3	2926.1	1684.7	440.3
72.5°	3750.0	4028.4	4304.0	4323.8	4340.9	4332.4	4250.0	3539.8	2650.6	1477.3	304.0
75°	3698.8	3968.7	4238.6	4198.8	4159.1	4079.5	3804.0	3048.3	2173.3	1198.9	224.4
77.5°	3426.1	3718.7	4011.3	3909.1	3804.0	3571.0	3107.9	2284.1	1511.4	843.7	173.3
80°	2571.0	2931.8	3292.6	3170.4	3045.4	2554.0	1892.0	1278.4	781.2	457.4	133.5
82.5°	1244.3	1446.0	1647.7	1616.5	1585.2	1173.3	818.2	460.2	224.4	164.8	105.1
85°	329.5	488.6	647.7	619.3	590.9	312.5	136.4	119.3	88.1	82.4	73.9
87.5°	39.8	45.5	48.3	34.1	17.0	14.2	14.2	8.5	8.5	11.4	11.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3	923.3
2.5°	931.8	934.7	934.7	934.7	934.7	934.7	911.9	889.2	883.5	877.8	866.5
5°	897.7	869.3	849.4	829.5	829.5	826.7	835.2	843.7	849.4	852.3	855.1
7.5°	798.3	801.1	818.2	832.4	846.6	858.0	866.5	872.2	866.5	858.0	823.9
10°	653.4	656.2	670.5	681.8	701.7	718.7	767.0	812.5	866.5	920.5	934.7
12.5°	622.2	661.9	639.2	616.5	679.0	738.6	801.1	860.8	903.4	943.2	914.8
15°	633.5	588.1	596.6	605.1	681.8	758.5	713.1	664.8	778.4	892.0	917.6
17.5°	630.7	630.7	673.3	715.9	644.9	571.0	676.1	778.4	823.9	866.5	832.4
20°	673.3	590.9	622.2	650.6	707.4	761.4	715.9	670.5	687.5	704.5	815.3
22.5°	701.7	767.0	696.0	622.2	673.3	724.4	715.9	707.4	758.5	809.7	781.2
25°	733.0	630.7	681.8	730.1	673.3	613.6	659.1	701.7	687.5	673.3	761.4
27.5°	840.9	769.9	704.5	639.2	673.3	704.5	670.5	633.5	647.7	661.9	656.2
30°	1017.0	840.9	758.5	676.1	633.5	588.1	590.9	593.7	610.8	627.8	676.1
32.5°	1062.5	900.6	781.2	661.9	633.5	605.1	579.5	551.1	576.7	602.3	659.1
35°	1073.9	894.9	767.0	639.2	593.7	548.3	531.2	514.2	556.8	599.4	650.6
37.5°	1068.2	849.4	713.1	576.7	542.6	508.5	500.0	488.6	517.0	542.6	579.5
40°	1054.0	789.8	653.4	517.0	488.6	460.2	454.5	448.9	468.7	488.6	511.4
42.5°	1028.4	733.0	596.6	460.2	440.3	420.5	414.8	406.2	423.3	440.3	448.9
45°	997.2	676.1	548.3	417.6	403.4	386.4	377.8	366.5	383.5	397.7	400.6
47.5°	965.9	622.2	505.7	386.4	375.0	360.8	352.3	340.9	355.1	366.5	369.3
50°	940.3	565.3	460.2	355.1	343.7	332.4	323.9	315.3	329.5	340.9	340.9
52.5°	926.1	522.7	420.5	318.2	312.5	306.8	304.0	298.3	309.7	321.0	323.9
55°	892.0	463.1	375.0	284.1	286.9	286.9	284.1	278.4	301.1	321.0	329.5
57.5°	855.1	392.0	326.7	258.5	264.2	269.9	272.7	275.6	301.1	323.9	335.2
60°	806.8	332.4	284.1	235.8	244.3	250.0	264.2	275.6	298.3	321.0	326.7
62.5°	721.6	284.1	250.0	215.9	227.3	238.6	255.7	272.7	289.8	306.8	306.8
65°	596.6	247.2	224.4	198.9	215.9	230.1	250.0	269.9	284.1	295.5	292.6
67.5°	446.0	221.6	204.5	184.7	204.5	221.6	238.6	255.7	272.7	289.8	284.1
70°	321.0	198.9	187.5	173.3	190.3	207.4	224.4	241.5	258.5	275.6	272.7
72.5°	244.3	181.8	170.5	159.1	176.1	190.3	210.2	230.1	247.2	264.2	258.5
75°	196.0	164.8	156.2	144.9	161.9	179.0	198.9	215.9	233.0	250.0	244.3
77.5°	161.9	147.7	139.2	130.7	144.9	159.1	179.0	198.9	215.9	230.1	224.4
80°	130.7	125.0	119.3	110.8	127.8	142.0	161.9	179.0	193.2	207.4	198.9
82.5°	102.3	99.4	96.6	90.9	105.1	119.3	139.2	159.1	170.5	181.8	176.1
85°	76.7	76.7	73.9	71.0	82.4	90.9	102.3	110.8	122.2	130.7	125.0
87.5°	11.4	11.4	17.0	19.9	19.9	19.9	28.4	36.9	36.9	34.1	28.4
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):

	165°	170°	175°	180°
0°	923.3	923.3	923.3	923.3
2.5°	855.1	855.1	855.1	858.0
5°	858.0	860.8	860.8	866.5
7.5°	786.9	784.1	781.2	781.2
10°	946.0	951.7	954.5	960.2
12.5°	883.5	849.4	815.3	815.3
15°	943.2	948.9	951.7	957.4
17.5°	798.3	795.5	792.6	786.9
20°	923.3	929.0	931.8	931.8
22.5°	752.8	752.8	750.0	750.0
25°	849.4	849.4	849.4	855.1
27.5°	647.7	667.6	687.5	713.1
30°	724.4	727.3	730.1	730.1
32.5°	715.9	752.8	789.8	795.5
35°	701.7	701.7	698.9	701.7
37.5°	616.5	608.0	596.6	602.3
40°	531.2	511.4	491.5	488.6
42.5°	457.4	440.3	420.5	420.5
45°	403.4	392.0	377.8	372.2
47.5°	369.3	358.0	346.6	343.7
50°	338.1	326.7	315.3	315.3
52.5°	326.7	318.2	306.8	304.0
55°	338.1	321.0	304.0	298.3
57.5°	343.7	323.9	304.0	295.5
60°	329.5	318.2	304.0	292.6
62.5°	304.0	298.3	292.6	286.9
65°	286.9	286.9	284.1	278.4
67.5°	278.4	281.2	281.2	275.6
70°	267.0	272.7	275.6	269.9
72.5°	252.8	255.7	255.7	247.2
75°	235.8	233.0	230.1	224.4
77.5°	215.9	213.1	207.4	201.7
80°	190.3	187.5	184.7	176.1
82.5°	167.6	173.3	176.1	144.9
85°	116.5	105.1	93.7	76.7
87.5°	22.7	17.0	8.5	8.5
90°	0.0	0.0	0.0	0.0



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