

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: P560901

Luminaire Tested: **SDL-PA1-70-730-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-730-U-T4W
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7699.2 lumens
Efficiency: N/A
Efficacy: 106.6 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): 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

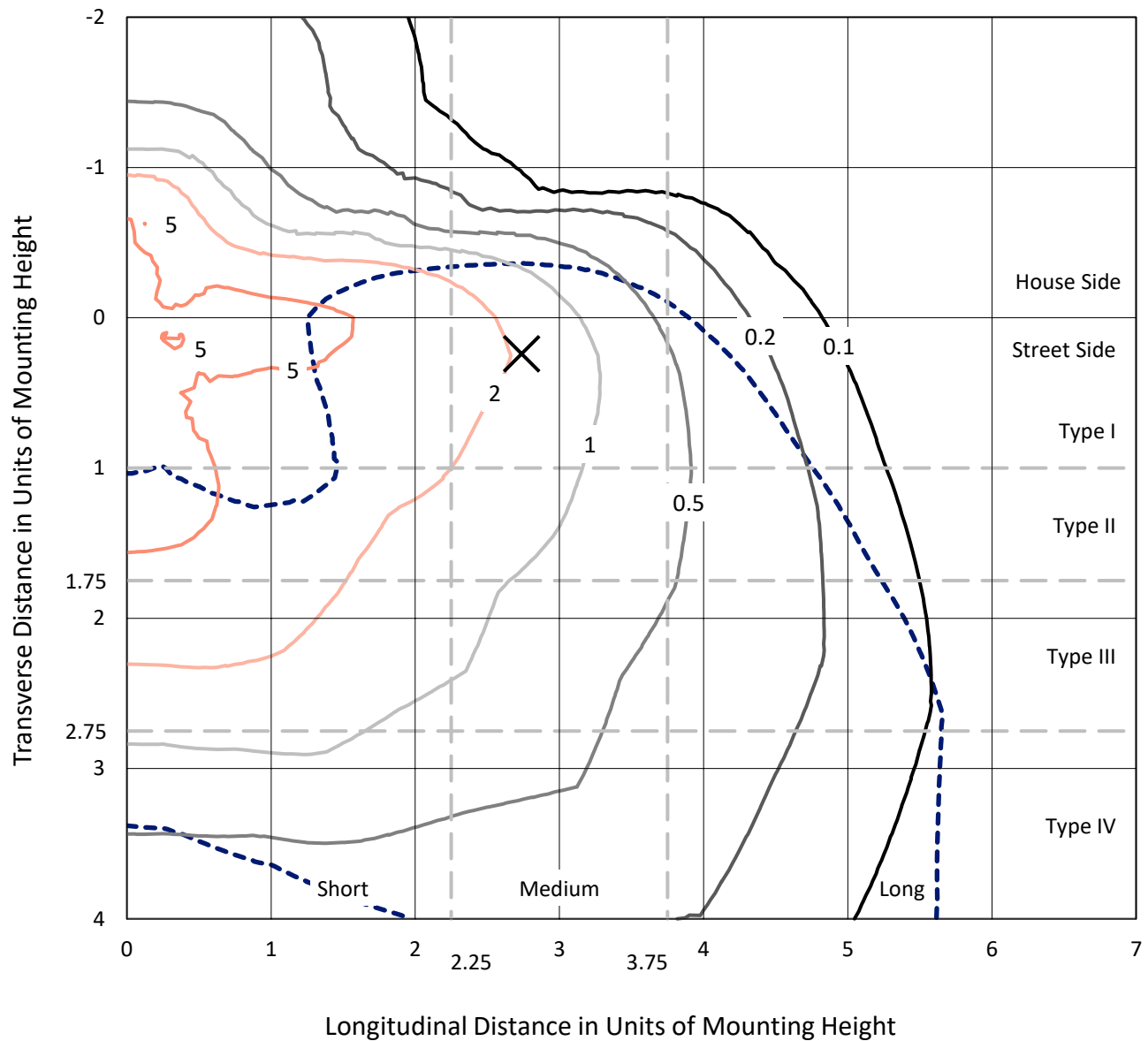


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

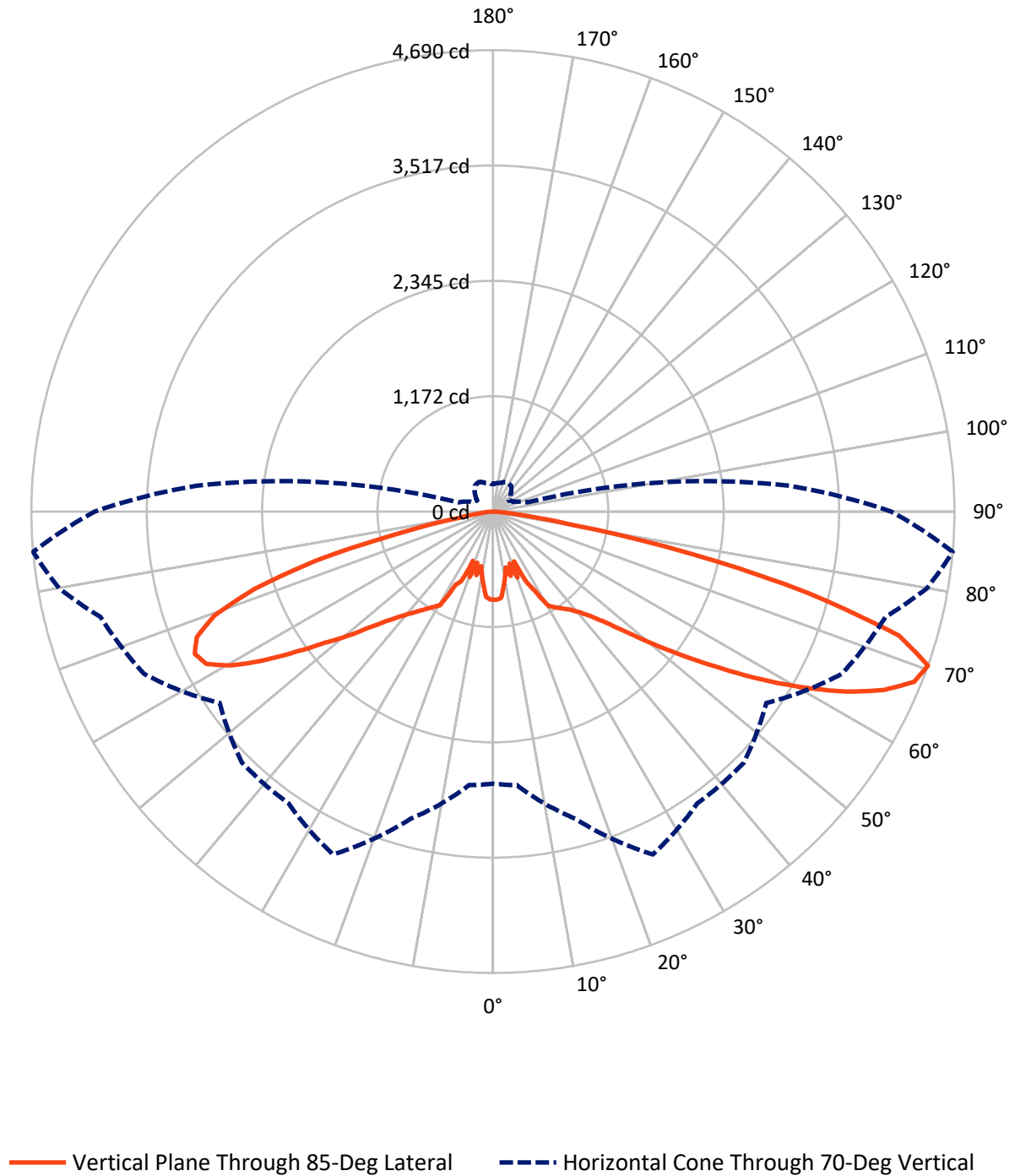


Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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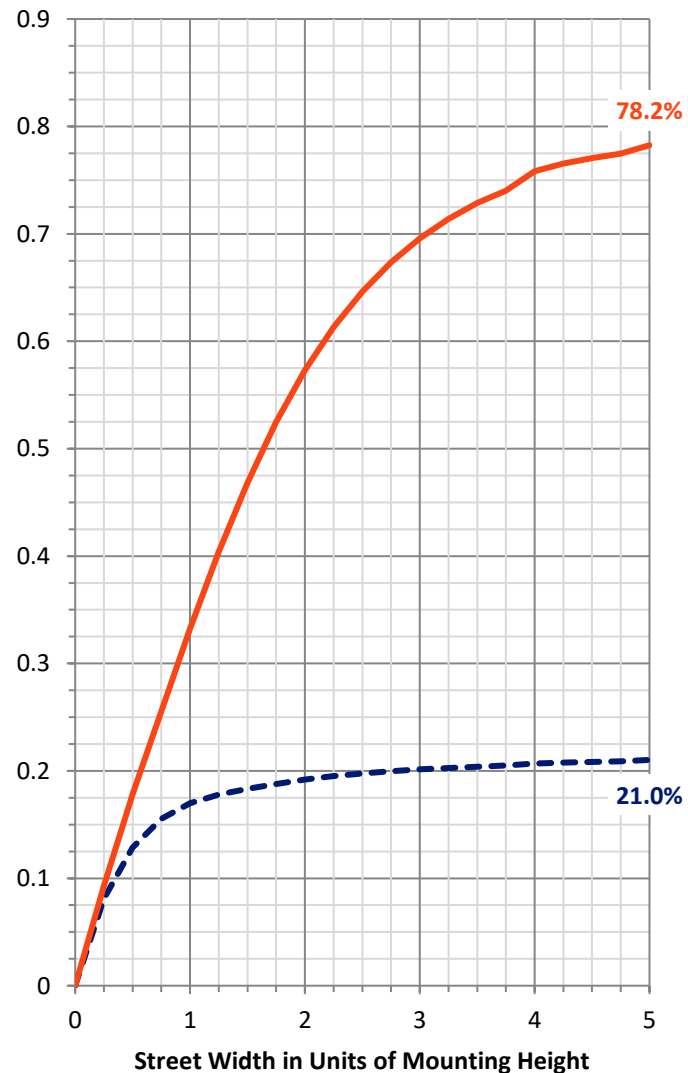
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1655.4	0.0	1655.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6043.8	0.0	6043.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	7699.2	0.0	7699.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.0
10°-20°	187.4	2.4
20°-30°	327.6	4.3
30°-40°	577.0	7.5
40°-50°	870.4	11.3
50°-60°	1384.6	18.0
60°-70°	2030.3	26.4
70°-80°	1903.9	24.7
80°-90°	343.8	4.5
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°	7699.2	100.0
0°-180°	7699.2	100.0



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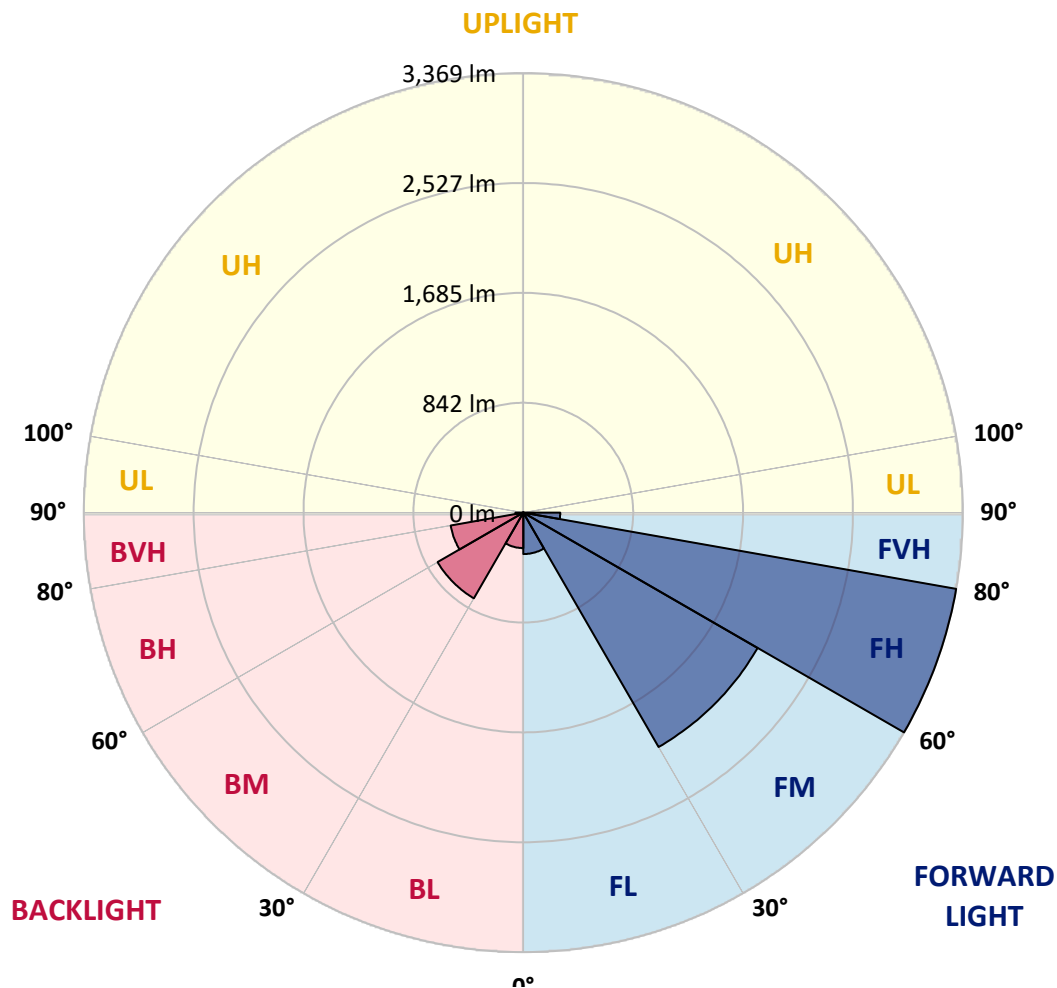
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.5	4.1			
FM	(30°-60°)	2074.2	26.9			
FH	(60°-80°)	3369.1	43.8			G2/5000
FVH	(80°-90°)	283.1	3.7			G3/500
BL	(0°-30°)	271.8	3.5	B1/500		
BM	(30°-60°)	757.8	9.8	B1/1000		
BH	(60°-80°)	565.1	7.3	B2/1000		G2/1000
BVH	(80°-90°)	60.7	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-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	812.9	847.0	864.0	881.1	886.8	892.5	892.5	889.6	889.6	889.6	895.3
5°	827.1	824.2	824.2	824.2	821.4	818.6	815.7	810.0	807.2	801.5	798.7
7.5°	758.9	815.7	818.6	821.4	821.4	818.6	824.2	829.9	824.2	815.7	804.3
10°	901.0	898.1	892.5	886.8	878.2	869.7	804.3	736.1	741.8	747.5	693.5
12.5°	781.6	835.6	858.3	881.1	883.9	883.9	838.4	790.1	727.6	665.1	639.5
15°	955.0	949.3	937.9	926.6	849.8	770.2	724.8	679.3	679.3	679.3	602.5
17.5°	804.3	801.5	852.7	903.8	875.4	847.0	781.6	716.2	619.6	520.1	582.7
20°	986.2	986.2	972.0	957.8	827.1	693.5	702.0	707.7	710.5	710.5	682.1
22.5°	827.1	821.4	827.1	829.9	829.9	829.9	710.5	591.2	656.5	719.1	653.7
25°	986.2	989.1	986.2	983.4	864.0	741.8	761.7	781.6	690.7	596.9	659.4
27.5°	861.2	858.3	844.1	829.9	832.8	835.6	773.1	707.7	744.7	781.6	716.2
30°	1054.5	1057.3	1048.8	1037.4	918.0	798.7	793.0	784.4	758.9	733.3	756.0
32.5°	1273.3	1273.3	1185.2	1097.1	1023.2	946.5	883.9	821.4	847.0	872.6	844.1
35°	1389.8	1384.2	1355.7	1324.5	1188.0	1048.8	963.5	875.4	883.9	889.6	889.6
37.5°	1597.3	1594.5	1554.7	1514.9	1330.1	1142.6	1031.7	918.0	935.1	949.3	929.4
40°	1856.0	1856.0	1824.7	1790.6	1554.7	1315.9	1159.6	1003.3	1000.5	994.8	972.0
42.5°	2106.1	2114.6	2094.7	2074.8	1799.1	1523.4	1318.8	1114.1	1088.6	1063.0	1040.2
45°	2270.9	2282.3	2299.3	2316.4	2043.5	1770.7	1531.9	1290.4	1242.0	1190.9	1151.1
47.5°	2438.6	2421.6	2444.3	2467.0	2234.0	2000.9	1739.4	1477.9	1398.4	1318.8	1276.1
50°	2594.9	2589.2	2597.8	2606.3	2415.9	2225.4	1955.4	1685.4	1588.8	1489.3	1441.0
52.5°	2799.6	2779.7	2768.3	2756.9	2594.9	2432.9	2177.1	1918.5	1804.8	1688.3	1631.4
55°	2995.7	2987.2	2970.1	2950.2	2810.9	2671.7	2401.7	2131.6	2012.3	1892.9	1827.5
57.5°	3197.5	3191.8	3188.9	3186.1	3063.9	2941.7	2666.0	2387.4	2251.0	2111.8	2057.8
60°	3387.9	3390.7	3413.5	3433.4	3339.6	3245.8	2967.3	2688.7	2515.3	2339.1	2285.1
62.5°	3501.6	3510.1	3567.0	3621.0	3569.8	3518.6	3231.6	2941.7	2759.8	2575.0	2538.1
65°	3356.6	3399.3	3564.1	3729.0	3729.0	3729.0	3467.5	3203.2	3044.0	2884.8	2853.6
67.5°	3032.6	3075.3	3311.2	3544.2	3666.4	3788.7	3618.1	3447.6	3339.6	3228.7	3188.9
70°	2765.5	2791.0	3012.7	3231.6	3538.5	3845.5	3734.7	3621.0	3615.3	3606.8	3498.7
72.5°	2540.9	2597.8	2779.7	2958.7	3382.2	3805.7	3802.9	3800.0	3916.6	4033.1	3825.6
75°	2032.2	2026.5	2197.0	2367.6	2845.0	3319.7	3586.9	3851.2	4186.6	4519.1	4200.8
77.5°	906.7	969.2	1131.2	1293.2	1722.4	2148.7	2663.1	3177.6	3916.6	4652.7	4328.7
80°	258.6	272.9	318.3	361.0	562.8	761.7	1301.7	1838.9	2768.3	3694.9	3476.0
82.5°	136.4	142.1	170.5	196.1	253.0	307.0	511.6	713.4	1512.1	2307.9	2108.9
85°	65.4	59.7	76.7	91.0	122.2	153.5	235.9	318.3	585.5	852.7	736.1
87.5°	14.2	14.2	17.1	17.1	25.6	34.1	51.2	68.2	65.4	59.7	71.1
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°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	898.1	901.0	903.8	901.0	898.1	895.3	895.3	892.5	892.5	889.6	883.9
5°	795.8	835.6	875.4	878.2	881.1	881.1	878.2	875.4	869.7	866.9	861.2
7.5°	793.0	778.8	764.6	767.4	770.2	773.1	773.1	764.6	761.7	739.0	716.2
10°	636.7	622.4	608.2	616.8	625.3	656.5	673.6	667.9	662.2	622.4	579.8
12.5°	613.9	608.2	602.5	559.9	517.3	554.2	579.8	577.0	568.4	531.5	494.5
15°	525.8	528.6	528.6	577.0	625.3	656.5	679.3	673.6	667.9	622.4	577.0
17.5°	642.3	611.1	577.0	568.4	559.9	574.1	554.2	523.0	542.9	537.2	531.5
20°	650.9	574.1	494.5	574.1	653.7	673.6	716.2	713.4	704.9	665.1	625.3
22.5°	588.3	633.8	676.4	633.8	591.2	562.8	548.5	542.9	540.0	551.4	559.9
25°	721.9	636.7	548.5	653.7	756.0	778.8	790.1	781.6	778.8	727.6	676.4
27.5°	648.0	693.5	739.0	773.1	807.2	835.6	920.9	838.4	835.6	787.3	736.1
30°	775.9	824.2	872.6	960.7	1048.8	1097.1	1114.1	1108.5	1094.2	1017.5	940.8
32.5°	815.7	912.3	1006.1	1045.9	1082.9	1134.0	1159.6	1156.8	1142.6	1051.6	957.8
35°	889.6	960.7	1031.7	1085.7	1136.9	1185.2	1207.9	1216.5	1199.4	1085.7	969.2
37.5°	909.5	1000.5	1091.4	1148.2	1205.1	1242.0	1261.9	1287.5	1267.6	1131.2	991.9
40°	949.3	1057.3	1162.5	1219.3	1273.3	1307.4	1341.5	1372.8	1347.2	1182.4	1014.7
42.5°	1014.7	1125.5	1233.5	1298.9	1361.4	1409.7	1449.5	1492.2	1443.8	1230.7	1014.7
45°	1111.3	1213.6	1315.9	1404.0	1489.3	1549.0	1605.8	1665.5	1568.9	1293.2	1014.7
47.5°	1233.5	1333.0	1429.6	1568.9	1708.2	1762.2	1830.4	1887.2	1730.9	1372.8	1014.7
50°	1389.8	1500.7	1611.5	1796.3	1978.2	2029.3	2114.6	2157.2	1946.9	1495.0	1040.2
52.5°	1571.7	1694.0	1813.3	2029.3	2245.3	2330.6	2444.3	2472.7	2165.8	1617.2	1065.8
55°	1762.2	1927.0	2089.0	2327.8	2563.7	2646.1	2808.1	2830.8	2447.1	1767.8	1085.7
57.5°	2003.8	2197.0	2387.4	2620.5	2850.7	2967.3	3220.2	3228.7	2774.0	1952.6	1128.4
60°	2231.1	2472.7	2711.5	2933.2	3154.8	3336.7	3629.5	3632.3	3080.9	2091.9	1099.9
62.5°	2501.1	2788.2	3072.4	3262.8	3453.3	3677.8	4030.2	3979.1	3297.0	2108.9	920.9
65°	2819.5	3115.1	3410.6	3572.6	3731.8	3987.6	4368.5	4172.3	3356.6	2012.3	665.1
67.5°	3146.3	3422.0	3697.7	3825.6	3953.5	4277.5	4615.7	4195.1	3268.5	1867.3	463.3
70°	3390.7	3649.4	3908.0	4018.9	4129.7	4479.3	4689.6	4047.3	3021.3	1691.1	361.0
72.5°	3615.3	3859.7	4101.3	4158.1	4212.1	4391.2	4314.5	3567.0	2546.6	1423.9	298.4
75°	3882.4	4038.8	4192.2	4089.9	3987.6	3746.0	3311.2	2600.6	1864.5	1060.1	255.8
77.5°	4004.7	3967.7	3927.9	3578.3	3228.7	2580.7	2057.8	1503.5	946.5	582.7	218.8
80°	3257.2	3109.4	2958.7	2373.2	1787.7	1222.1	801.5	508.8	346.7	261.5	176.2
82.5°	1907.1	1563.2	1219.3	895.3	571.3	400.8	261.5	207.5	162.0	153.5	142.1
85°	616.8	545.7	474.6	375.2	275.7	170.5	99.5	91.0	85.3	93.8	99.5
87.5°	82.4	82.4	79.6	59.7	36.9	19.9	11.4	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°	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3	895.3
2.5°	883.9	881.1	878.2	875.4	872.6	866.9	844.1	821.4	812.9	801.5	793.0
5°	832.8	804.3	784.4	764.6	756.0	744.7	747.5	750.3	753.2	753.2	753.2
7.5°	721.9	727.6	730.4	730.4	739.0	744.7	750.3	753.2	741.8	730.4	716.2
10°	574.1	565.6	577.0	585.5	599.7	611.1	648.0	685.0	719.1	753.2	767.4
12.5°	523.0	551.4	528.6	505.9	551.4	594.0	645.2	696.3	727.6	756.0	730.4
15°	531.5	483.2	488.9	491.7	548.5	602.5	571.3	540.0	628.1	713.4	739.0
17.5°	523.0	514.4	545.7	574.1	520.1	466.1	542.9	616.8	656.5	696.3	685.0
20°	565.6	503.1	503.1	503.1	551.4	599.7	562.8	525.8	568.4	611.1	682.1
22.5°	585.5	608.2	562.8	514.4	545.7	577.0	577.0	574.1	622.4	667.9	656.5
25°	591.2	505.9	545.7	582.7	562.8	540.0	565.6	588.3	602.5	616.8	679.3
27.5°	676.4	616.8	571.3	523.0	559.9	596.9	588.3	579.8	591.2	602.5	616.8
30°	801.5	662.2	611.1	557.1	537.2	514.4	540.0	562.8	605.4	648.0	704.9
32.5°	838.4	716.2	633.8	548.5	545.7	540.0	548.5	554.2	602.5	648.0	727.6
35°	832.8	693.5	613.9	531.5	514.4	497.4	511.6	523.0	594.0	665.1	741.8
37.5°	827.1	659.4	577.0	494.5	483.2	469.0	483.2	497.4	551.4	605.4	676.4
40°	818.6	619.6	540.0	457.6	443.4	429.2	443.4	454.8	497.4	540.0	596.9
42.5°	798.7	579.8	500.2	417.8	406.4	392.2	403.6	415.0	451.9	488.9	523.0
45°	775.9	534.3	457.6	380.9	369.5	358.1	366.6	372.3	406.4	437.7	454.8
47.5°	750.3	486.0	415.0	343.9	332.5	321.2	329.7	335.4	361.0	386.5	392.2
50°	744.7	446.2	380.9	312.6	304.1	292.7	298.4	304.1	324.0	341.1	341.1
52.5°	733.3	397.9	343.9	287.1	281.4	272.9	275.7	278.5	292.7	307.0	304.1
55°	724.8	363.8	315.5	267.2	261.5	253.0	255.8	258.6	272.9	284.2	281.4
57.5°	733.3	335.4	292.7	247.3	241.6	235.9	241.6	247.3	261.5	275.7	275.7
60°	704.9	307.0	267.2	227.4	224.5	218.8	233.1	244.4	267.2	287.1	292.7
62.5°	602.5	281.4	247.3	213.2	216.0	216.0	241.6	264.3	295.6	324.0	329.7
65°	463.3	261.5	233.1	201.8	216.0	230.2	264.3	298.4	326.9	355.3	346.7
67.5°	355.3	247.3	224.5	199.0	230.2	258.6	289.9	321.2	335.4	346.7	332.5
70°	298.4	233.1	216.0	196.1	227.4	258.6	289.9	321.2	326.9	332.5	318.3
72.5°	261.5	221.7	204.6	187.6	213.2	238.7	275.7	309.8	315.5	318.3	304.1
75°	233.1	207.5	187.6	167.7	193.3	216.0	253.0	289.9	295.6	298.4	287.1
77.5°	204.6	190.4	167.7	145.0	170.5	196.1	230.2	264.3	272.9	281.4	267.2
80°	170.5	162.0	145.0	127.9	156.3	181.9	213.2	244.4	253.0	261.5	247.3
82.5°	136.4	130.7	119.4	108.0	136.4	164.8	196.1	224.5	233.1	238.7	221.7
85°	99.5	99.5	93.8	88.1	116.5	142.1	162.0	181.9	179.1	176.2	164.8
87.5°	14.2	14.2	19.9	25.6	34.1	39.8	51.2	59.7	62.5	62.5	48.3
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°	895.3	895.3	895.3	895.3
2.5°	784.4	784.4	781.6	787.3
5°	753.2	756.0	756.0	758.9
7.5°	702.0	687.8	670.8	673.6
10°	781.6	784.4	787.3	787.3
12.5°	702.0	690.7	676.4	679.3
15°	761.7	770.2	778.8	781.6
17.5°	670.8	667.9	665.1	662.2
20°	750.3	764.6	778.8	778.8
22.5°	645.2	645.2	645.2	648.0
25°	741.8	758.9	773.1	773.1
27.5°	628.1	667.9	707.7	739.0
30°	758.9	767.4	775.9	778.8
32.5°	804.3	847.0	886.8	895.3
35°	815.7	835.6	852.7	861.2
37.5°	747.5	764.6	781.6	793.0
40°	650.9	665.1	679.3	687.8
42.5°	554.2	557.1	559.9	574.1
45°	471.8	457.6	443.4	440.5
47.5°	395.1	375.2	355.3	352.4
50°	338.2	321.2	304.1	304.1
52.5°	298.4	287.1	275.7	275.7
55°	278.5	272.9	264.3	264.3
57.5°	275.7	272.9	270.0	270.0
60°	295.6	298.4	298.4	298.4
62.5°	332.5	335.4	335.4	335.4
65°	335.4	329.7	324.0	324.0
67.5°	318.3	309.8	301.3	295.6
70°	301.3	295.6	287.1	278.5
72.5°	287.1	281.4	272.9	264.3
75°	272.9	264.3	253.0	247.3
77.5°	253.0	247.3	238.7	233.1
80°	230.2	224.5	216.0	204.6
82.5°	204.6	207.5	207.5	179.1
85°	150.6	142.1	130.7	108.0
87.5°	31.3	28.4	22.7	19.9
90°	0.0	0.0	0.0	0.0



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