

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: P560893

Luminaire Tested: **SDL-PA1-70-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560893
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-PA1-70-730-U-T2U
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7831.3 lumens
Efficiency: N/A
Efficacy: 108.5 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): 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



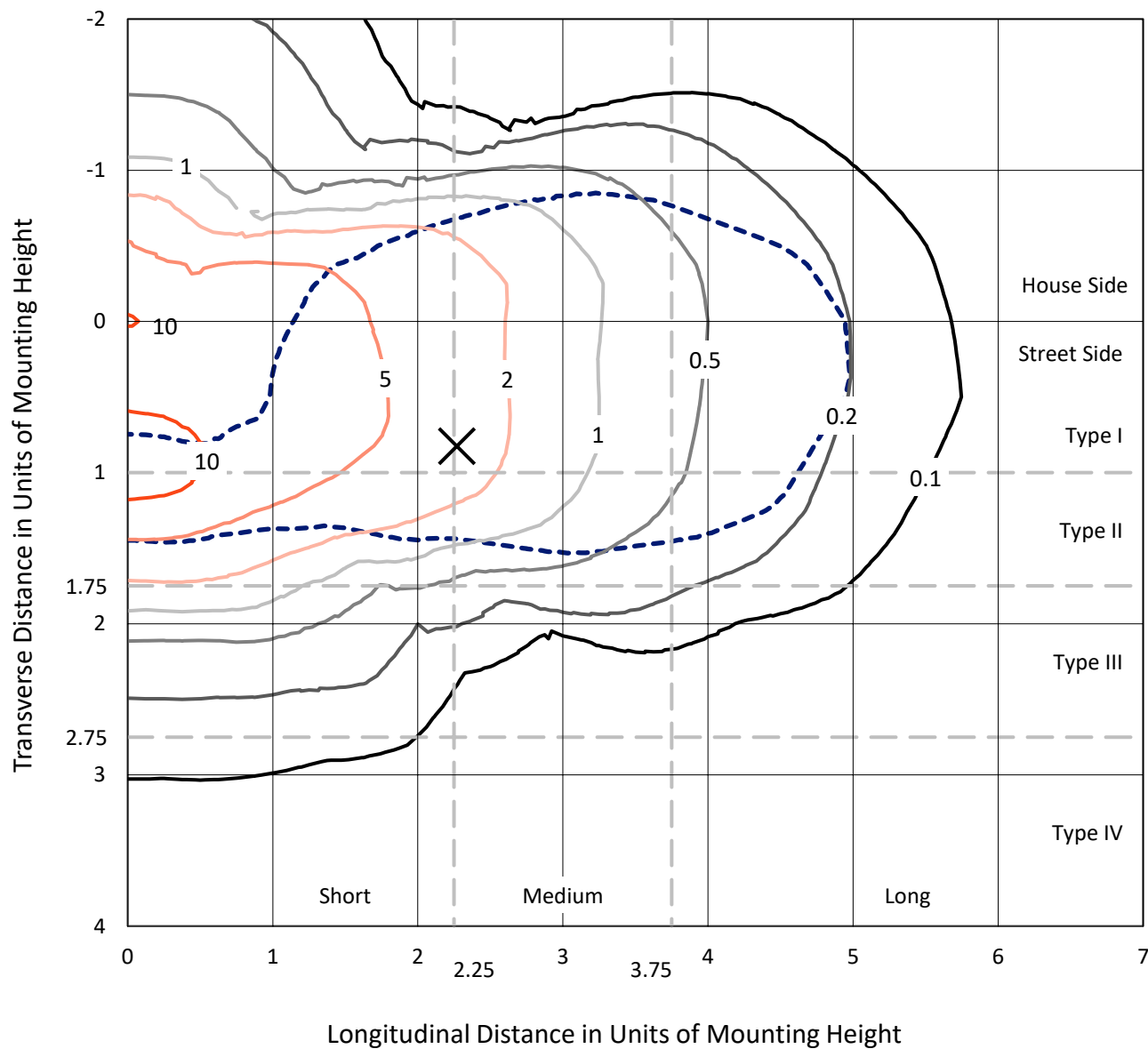
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



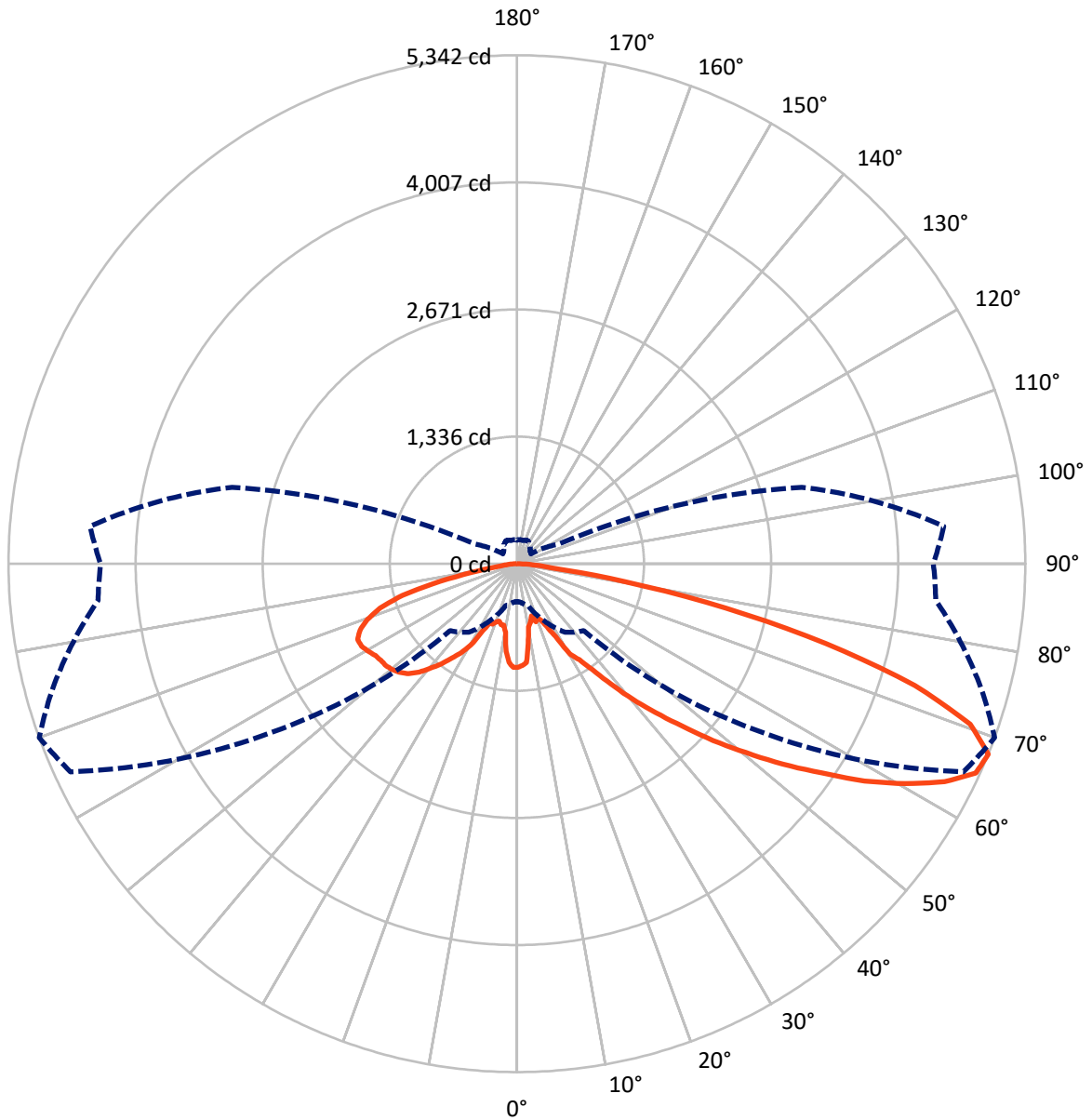
Based on 10 foot mounting height. Maximum calculated value = 14.2 fc

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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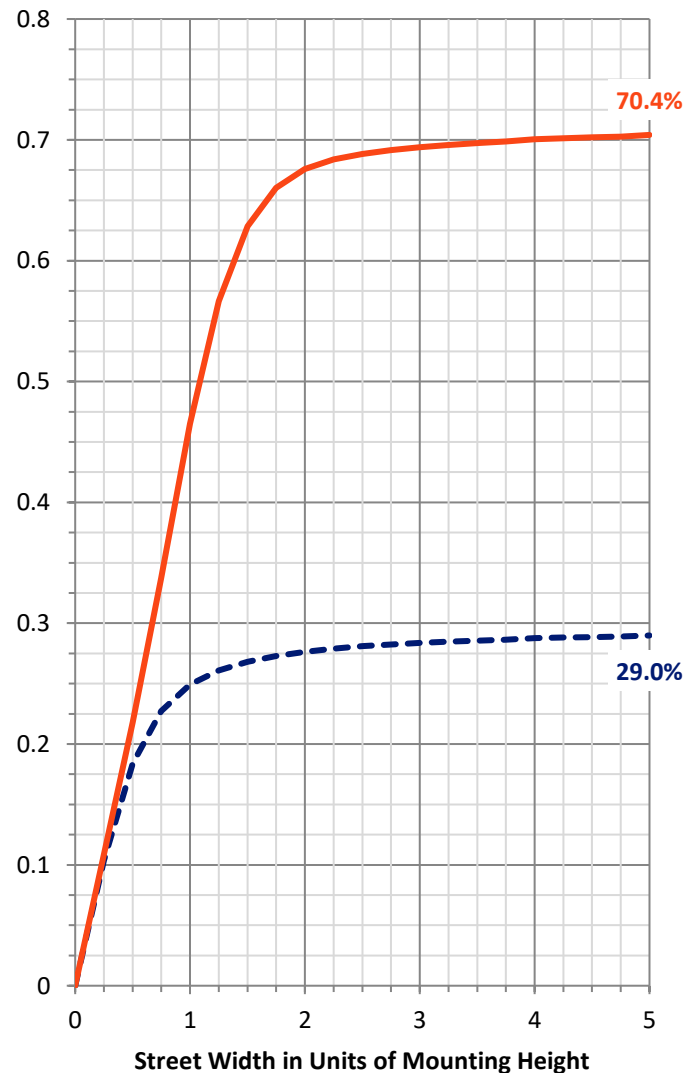
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.6	0.0	2296.6
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	5534.7	0.0	5534.7
	% Fixture	70.7	0.0	70.7
Total	Lumens	7831.3	0.0	7831.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.1
10°-20°	205.0	2.6
20°-30°	364.3	4.7
30°-40°	770.1	9.8
40°-50°	1409.7	18.0
50°-60°	1923.2	24.6
60°-70°	1813.1	23.2
70°-80°	1097.3	14.0
80°-90°	161.2	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°	7831.3	100.0
0°-180°	7831.3	100.0



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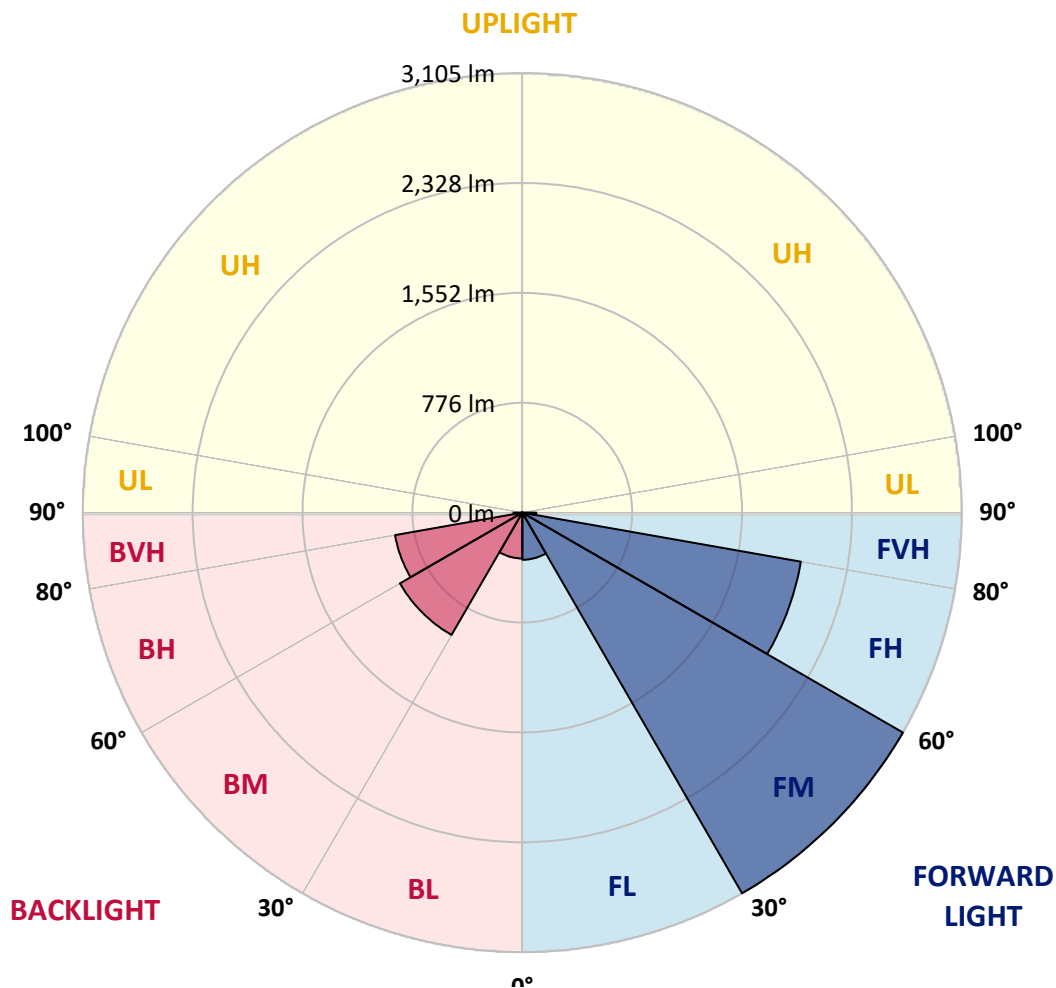
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.2	4.3			
FM	(30°-60°)	3104.6	39.6			
FH	(60°-80°)	1998.0	25.5			G2/5000
FVH	(80°-90°)	98.8	1.3			G1/100
BL	(0°-30°)	323.5	4.1	B1/500		
BM	(30°-60°)	998.3	12.7	B1/1000		
BH	(60°-80°)	912.4	11.7	B2/1000		G2/1000
BVH	(80°-90°)	62.4	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°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	915.7	924.2	980.5	1036.9	1039.7	1039.7	1042.5	1045.3	1053.8	1059.4	1065.0
5°	853.7	859.4	859.4	859.4	862.2	865.0	867.8	867.8	873.4	876.3	881.9
7.5°	715.7	772.0	791.7	808.6	819.9	828.4	834.0	839.6	845.3	850.9	856.5
10°	814.3	814.3	817.1	817.1	817.1	814.3	757.9	698.8	726.9	755.1	712.8
12.5°	670.6	681.9	732.6	780.5	794.6	805.8	777.7	746.7	695.9	645.2	639.6
15°	797.4	797.4	797.4	794.6	743.8	690.3	636.8	580.4	614.2	648.0	597.3
17.5°	690.3	690.3	732.6	772.0	769.2	763.6	715.7	664.9	586.1	504.3	569.2
20°	870.6	867.8	853.7	836.8	732.6	628.3	650.9	673.4	679.0	681.9	662.1
22.5°	777.7	780.5	797.4	814.3	817.1	819.9	698.8	574.8	645.2	715.7	648.0
25°	1082.0	1076.3	1051.0	1022.8	907.3	788.9	811.5	834.0	718.5	600.1	673.4
27.5°	1028.4	1011.5	1000.2	989.0	1008.7	1028.4	921.3	811.5	836.8	862.2	769.2
30°	1470.8	1470.8	1442.6	1411.6	1236.9	1059.4	1031.2	1003.1	935.4	865.0	881.9
32.5°	1862.4	1862.4	1758.2	1651.1	1546.9	1442.6	1304.5	1166.5	1138.3	1107.3	1079.1
35°	2344.2	2330.1	2271.0	2209.0	1983.6	1758.2	1580.7	1403.2	1346.8	1290.5	1262.3
37.5°	2795.0	2764.0	2682.3	2597.8	2361.1	2121.6	1887.8	1653.9	1591.9	1529.9	1468.0
40°	3167.0	3150.1	3093.7	3034.5	2766.9	2499.2	2234.3	1966.7	1885.0	1803.3	1713.1
42.5°	3507.9	3493.8	3443.1	3389.5	3124.7	2857.0	2606.3	2352.7	2231.5	2110.4	2003.3
45°	3758.7	3736.1	3702.3	3665.7	3454.4	3240.2	2986.6	2730.2	2682.3	2634.4	2425.9
47.5°	3837.5	3798.1	3792.5	3786.8	3617.8	3448.7	3245.9	3043.0	3051.4	3059.9	2817.6
50°	3722.0	3662.9	3688.2	3713.6	3645.9	3575.5	3417.7	3259.9	3330.4	3398.0	3206.4
52.5°	3302.2	3288.1	3352.9	3414.9	3431.8	3448.7	3414.9	3378.3	3507.9	3637.5	3567.1
55°	2724.6	2786.6	2876.7	2966.9	3037.4	3105.0	3203.6	3302.2	3524.8	3747.4	3798.1
57.5°	2147.0	2211.8	2316.1	2420.3	2502.0	2583.7	2786.6	2989.5	3324.7	3660.0	3888.3
60°	1445.4	1513.0	1684.9	1854.0	1969.5	2085.0	2268.2	2451.3	2873.9	3296.6	3758.7
62.5°	963.6	941.1	1084.8	1225.6	1411.6	1597.6	1679.3	1758.2	2200.5	2640.1	3386.7
65°	591.7	594.5	650.9	704.4	910.1	1112.9	1177.7	1239.7	1490.5	1741.3	2758.4
67.5°	397.3	405.7	431.1	456.4	555.1	653.7	766.4	879.1	938.3	994.6	2011.8
70°	352.2	355.0	366.3	377.6	405.7	433.9	538.2	642.4	608.6	572.0	1141.1
72.5°	309.9	312.8	332.5	349.4	363.5	377.6	439.5	501.5	462.1	422.6	569.2
75°	253.6	262.0	281.8	298.7	326.8	352.2	366.3	380.4	360.7	338.1	366.3
77.5°	208.5	214.1	228.2	242.3	270.5	295.8	309.9	324.0	293.0	262.0	278.9
80°	163.4	166.2	177.5	188.8	211.3	231.0	247.9	262.0	233.9	202.9	211.3
82.5°	98.6	101.4	118.3	132.4	152.1	169.1	180.3	188.8	197.2	202.9	177.5
85°	53.5	53.5	64.8	76.1	78.9	81.7	93.0	101.4	126.8	149.3	129.6
87.5°	8.5	8.5	11.3	11.3	16.9	19.7	22.5	22.5	25.4	25.4	28.2
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°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1067.9	1070.7	1070.7	1070.7	1073.5	1076.3	1079.1	1079.1	1082.0	1084.8	1087.6
5°	887.5	960.8	1031.2	1042.5	1051.0	1056.6	1062.2	1065.0	1070.7	1076.3	1079.1
7.5°	862.2	862.2	862.2	842.5	915.7	924.2	932.6	938.3	943.9	938.3	929.8
10°	667.8	667.8	664.9	670.6	701.6	755.1	805.8	811.5	817.1	772.0	724.1
12.5°	631.1	639.6	648.0	634.0	577.6	625.5	673.4	681.9	684.7	645.2	603.0
15°	543.8	546.6	549.4	569.2	684.7	732.6	780.5	788.9	797.4	755.1	710.0
17.5°	631.1	611.4	588.9	642.4	597.3	628.3	656.5	588.9	650.9	639.6	628.3
20°	642.4	574.8	504.3	600.1	701.6	749.5	794.6	800.2	803.0	769.2	732.6
22.5°	580.4	645.2	710.0	645.2	605.8	600.1	594.5	591.7	594.5	614.2	631.1
25°	746.7	664.9	583.2	732.6	825.6	848.1	870.6	859.4	853.7	811.5	769.2
27.5°	676.2	741.0	803.0	865.0	893.2	924.2	952.3	960.8	915.7	870.6	825.6
30°	896.0	935.4	972.1	1098.9	1191.8	1220.0	1248.2	1220.0	1203.1	1146.8	1087.6
32.5°	1048.1	1127.0	1205.9	1203.1	1290.5	1313.0	1332.7	1296.1	1265.1	1203.1	1138.3
35°	1234.1	1284.8	1335.5	1363.7	1451.1	1459.5	1468.0	1420.1	1375.0	1301.7	1228.5
37.5°	1406.0	1470.8	1532.8	1603.2	1679.3	1662.4	1642.6	1583.5	1510.2	1453.9	1397.5
40°	1620.1	1699.0	1777.9	1868.1	1913.1	1887.8	1859.6	1769.4	1699.0	1639.8	1580.7
42.5°	1893.4	1977.9	2059.7	2138.5	2155.4	2127.3	2096.3	1997.7	1890.6	1831.4	1769.4
45°	2214.6	2282.2	2349.9	2431.6	2465.4	2414.7	2361.1	2237.2	2110.4	2025.8	1941.3
47.5°	2572.5	2603.4	2634.4	2775.3	2820.4	2735.9	2648.5	2513.3	2335.8	2225.9	2113.2
50°	3014.8	3006.4	2995.1	3119.1	3223.3	3082.4	2938.7	2781.0	2606.3	2451.3	2293.5
52.5°	3496.6	3414.9	3330.4	3496.6	3547.3	3378.3	3209.2	3040.2	2865.5	2665.4	2462.6
55°	3848.8	3803.7	3758.7	3877.0	3871.4	3674.1	3474.1	3274.0	3130.3	2862.7	2595.0
57.5°	4113.7	4153.1	4189.7	4308.1	4172.8	3947.4	3722.0	3522.0	3398.0	3062.7	2727.4
60°	4217.9	4420.8	4620.8	4691.3	4485.6	4232.0	3975.6	3778.4	3674.1	3268.4	2862.7
62.5°	4133.4	4581.4	5029.4	5043.5	4773.0	4488.4	4203.8	4043.2	3989.7	3491.0	2989.5
65°	3775.6	4513.8	5249.2	5299.9	4995.6	4696.9	4395.4	4277.1	4310.9	3699.5	3085.3
67.5°	3026.1	4102.4	5175.9	5342.1	5049.1	4733.5	4418.0	4375.7	4502.5	3800.9	3099.3
70°	1710.3	3152.9	4592.7	5054.7	4899.8	4587.0	4271.5	4291.2	4480.0	3744.6	3009.2
72.5°	712.8	2180.8	3648.8	4372.9	4508.1	4243.3	3975.6	4048.9	4178.5	3479.7	2778.1
75°	394.5	1391.9	2389.3	3352.9	3769.9	3699.5	3626.2	3707.9	3645.9	2969.7	2293.5
77.5°	293.0	752.3	1211.6	2245.6	2837.3	2997.9	3155.7	3195.1	2848.6	2169.5	1490.5
80°	219.8	357.8	493.1	1146.8	1521.5	1808.9	2096.3	1918.8	1676.5	1172.1	667.8
82.5°	152.1	205.7	259.2	369.1	591.7	681.9	769.2	732.6	549.4	386.0	219.8
85°	107.1	135.2	163.4	202.9	253.6	202.9	152.1	124.0	143.7	132.4	121.2
87.5°	28.2	28.2	25.4	28.2	19.7	16.9	14.1	11.3	11.3	11.3	11.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4	1090.4
2.5°	1090.4	1093.2	1093.2	1093.2	1093.2	1090.4	1076.3	1062.2	1028.4	994.6	983.3
5°	1042.5	1005.9	977.7	949.5	949.5	949.5	955.2	960.8	963.6	966.4	969.2
7.5°	929.8	927.0	938.3	949.5	958.0	966.4	972.1	977.7	966.4	955.2	929.8
10°	726.9	726.9	741.0	752.3	772.0	791.7	848.1	904.4	952.3	1000.2	1008.7
12.5°	659.3	712.8	681.9	648.0	718.5	788.9	850.9	910.1	958.0	1003.1	966.4
15°	662.1	611.4	622.7	634.0	710.0	786.1	729.8	670.6	783.3	893.2	918.5
17.5°	631.1	634.0	684.7	735.4	659.3	580.4	679.0	777.7	819.9	859.4	822.7
20°	648.0	560.7	619.9	679.0	732.6	783.3	732.6	679.0	693.1	707.2	803.0
22.5°	684.7	738.2	687.5	636.8	698.8	757.9	732.6	707.2	752.3	794.6	755.1
25°	681.9	591.7	676.2	760.7	704.4	645.2	676.2	707.2	684.7	659.3	732.6
27.5°	786.1	746.7	724.1	698.8	729.8	760.7	695.9	631.1	631.1	631.1	622.7
30°	983.3	879.1	834.0	786.1	710.0	634.0	611.4	588.9	591.7	594.5	636.8
32.5°	1098.9	1059.4	924.2	788.9	718.5	648.0	588.9	529.7	535.3	541.0	594.5
35°	1200.3	1169.3	989.0	805.8	690.3	572.0	521.3	467.7	493.1	515.6	560.7
37.5°	1315.8	1231.3	986.2	738.2	614.2	490.3	459.3	428.3	445.2	459.3	487.4
40°	1420.1	1256.6	960.8	662.1	538.2	411.4	397.3	380.4	394.5	408.5	425.5
42.5°	1532.8	1293.3	924.2	552.2	453.6	355.0	349.4	343.7	357.8	371.9	383.2
45°	1620.1	1298.9	876.3	450.8	386.0	321.2	321.2	318.4	332.5	343.7	349.4
47.5°	1676.5	1236.9	800.2	360.7	332.5	304.3	307.1	307.1	318.4	326.8	329.7
50°	1715.9	1135.5	726.9	318.4	304.3	290.2	290.2	290.2	301.5	309.9	315.6
52.5°	1744.1	1022.8	659.3	293.0	287.4	278.9	278.9	276.1	290.2	304.3	307.1
55°	1752.5	907.3	591.7	273.3	267.7	262.0	267.7	270.5	287.4	301.5	304.3
57.5°	1772.3	817.1	535.3	253.6	250.8	247.9	256.4	264.9	281.8	298.7	298.7
60°	1811.7	757.9	495.9	233.9	233.9	233.9	247.9	259.2	276.1	293.0	290.2
62.5°	1848.3	704.4	459.3	214.1	217.0	219.8	236.7	253.6	270.5	287.4	284.6
65°	1854.0	619.9	408.5	197.2	202.9	205.7	225.4	245.1	262.0	278.9	273.3
67.5°	1792.0	484.6	332.5	180.3	188.8	194.4	217.0	236.7	253.6	267.7	262.0
70°	1679.3	346.6	256.4	166.2	174.7	180.3	202.9	222.6	236.7	250.8	245.1
72.5°	1513.0	247.9	200.0	152.1	157.8	163.4	183.1	202.9	219.8	233.9	228.2
75°	1248.2	200.0	169.1	138.1	143.7	146.5	166.2	183.1	200.0	214.1	205.7
77.5°	828.4	163.4	143.7	124.0	126.8	129.6	146.5	160.6	174.7	186.0	180.3
80°	400.1	132.4	121.2	107.1	109.9	109.9	124.0	138.1	149.3	157.8	155.0
82.5°	163.4	104.3	95.8	87.3	87.3	87.3	101.4	112.7	124.0	132.4	126.8
85°	101.4	81.7	76.1	67.6	64.8	62.0	67.6	73.3	78.9	81.7	78.9
87.5°	14.1	14.1	16.9	19.7	16.9	11.3	16.9	22.5	22.5	19.7	16.9
90°	0.0	0.0	8.5	8.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1090.4	1090.4	1090.4	1090.4
2.5°	972.1	972.1	972.1	977.7
5°	969.2	969.2	969.2	974.9
7.5°	904.4	876.3	848.1	850.9
10°	1014.3	1017.1	1017.1	1020.0
12.5°	927.0	881.9	836.8	842.5
15°	943.9	943.9	941.1	943.9
17.5°	786.1	772.0	757.9	757.9
20°	898.8	898.8	898.8	898.8
22.5°	715.7	712.8	710.0	712.8
25°	805.8	808.6	808.6	805.8
27.5°	614.2	650.9	684.7	687.5
30°	676.2	676.2	676.2	676.2
32.5°	648.0	676.2	704.4	707.2
35°	603.0	600.1	597.3	605.8
37.5°	512.8	507.2	501.5	501.5
40°	442.4	431.1	419.8	419.8
42.5°	391.6	383.2	371.9	369.1
45°	355.0	346.6	335.3	335.3
47.5°	329.7	324.0	318.4	315.6
50°	318.4	312.8	307.1	307.1
52.5°	309.9	307.1	301.5	301.5
55°	304.3	301.5	295.8	295.8
57.5°	298.7	295.8	290.2	290.2
60°	287.4	284.6	281.8	281.8
62.5°	278.9	276.1	273.3	273.3
65°	267.7	267.7	264.9	262.0
67.5°	253.6	253.6	253.6	247.9
70°	236.7	236.7	236.7	231.0
72.5°	219.8	219.8	217.0	208.5
75°	197.2	194.4	191.6	186.0
77.5°	174.7	169.1	163.4	160.6
80°	149.3	143.7	138.1	132.4
82.5°	118.3	115.5	109.9	95.8
85°	73.3	64.8	53.5	47.9
87.5°	14.1	11.3	8.5	2.8
90°	0.0	0.0	0.0	0.0



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