Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560897

Luminaire Tested: **SDL-PA1-70-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560897
	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-PA1-70-730-U-T3
Description:	Springdale
	(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7710.5 lumens
Efficiency:	N/A
Efficacy:	106.8 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 - 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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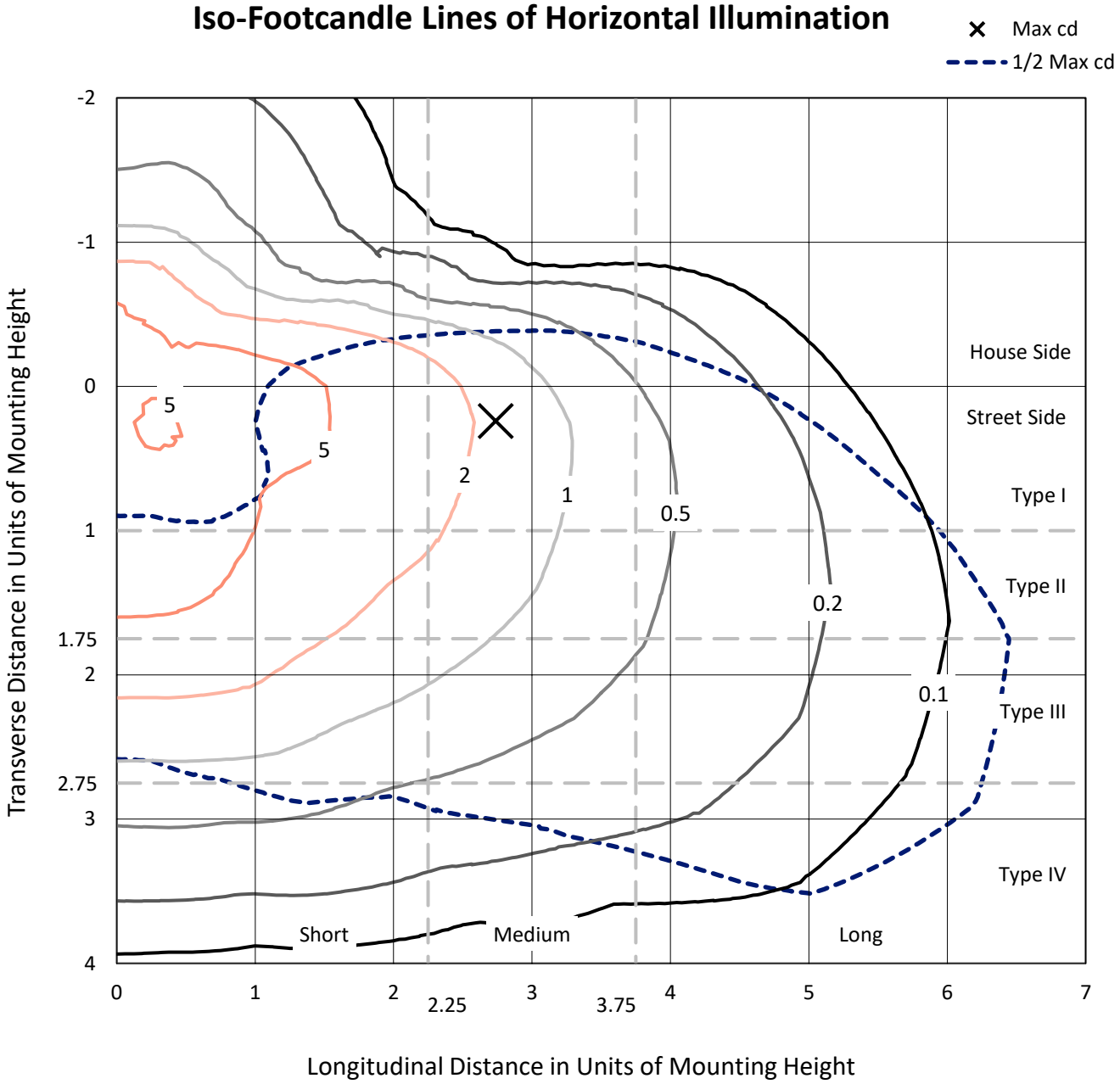
Iso-Footcandle Lines of Horizontal Illumination



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

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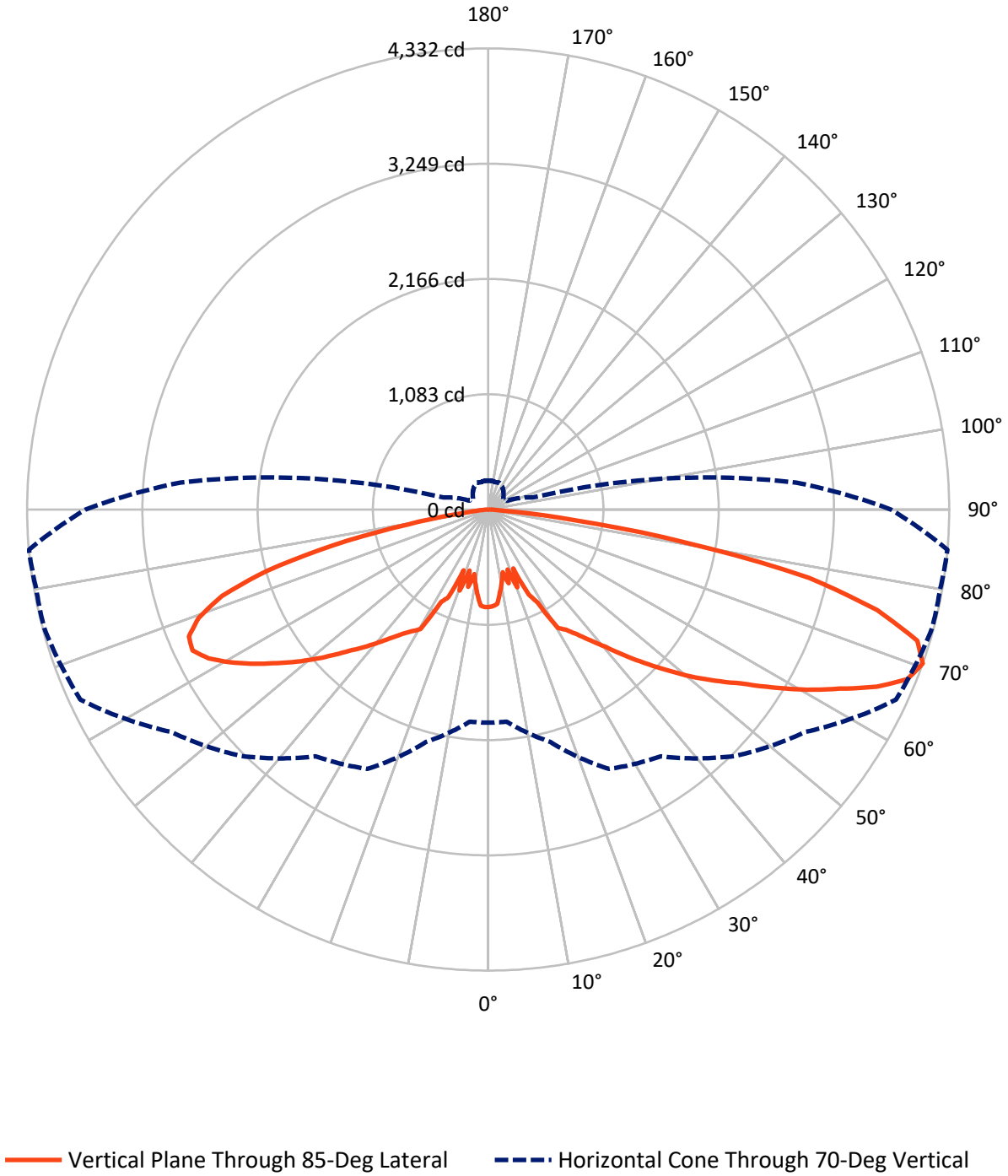
Luminous Intensity Polar Plot



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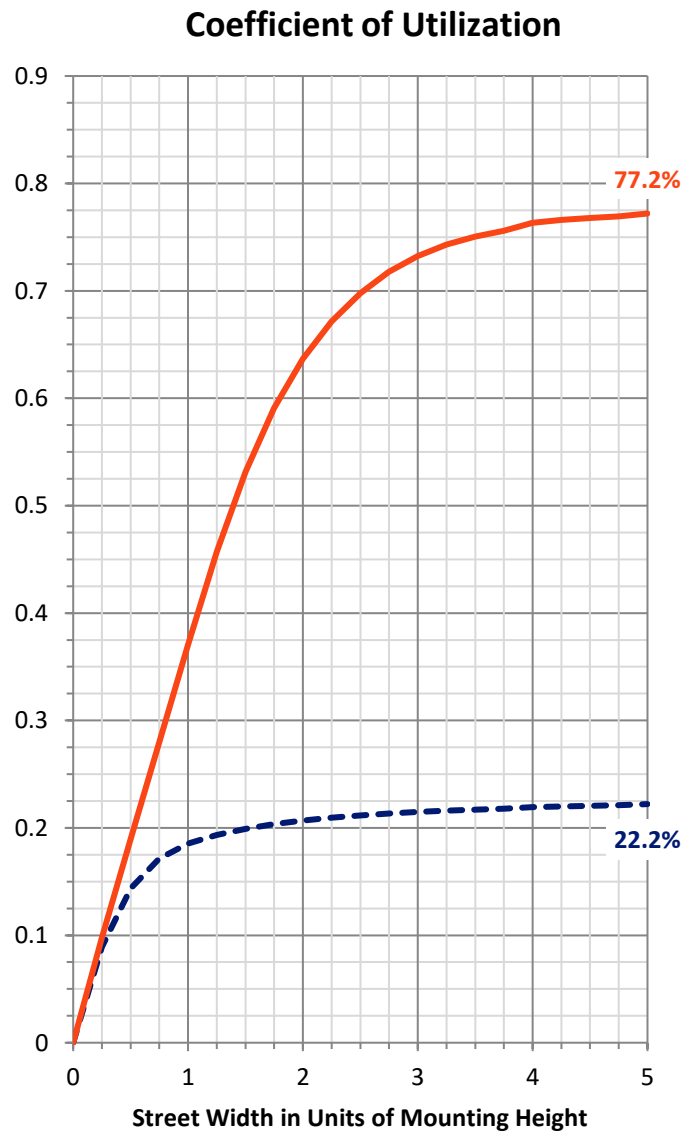
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.4	0.0	1743.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5967.1	0.0	5967.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	7710.5	0.0	7710.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.0
10°-20°	186.2	2.4
20°-30°	340.3	4.4
30°-40°	642.6	8.3
40°-50°	1046.8	13.6
50°-60°	1614.8	20.9
60°-70°	1979.3	25.7
70°-80°	1550.1	20.1
80°-90°	276.0	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°	7710.5	100.0
0°-180°	7710.5	100.0



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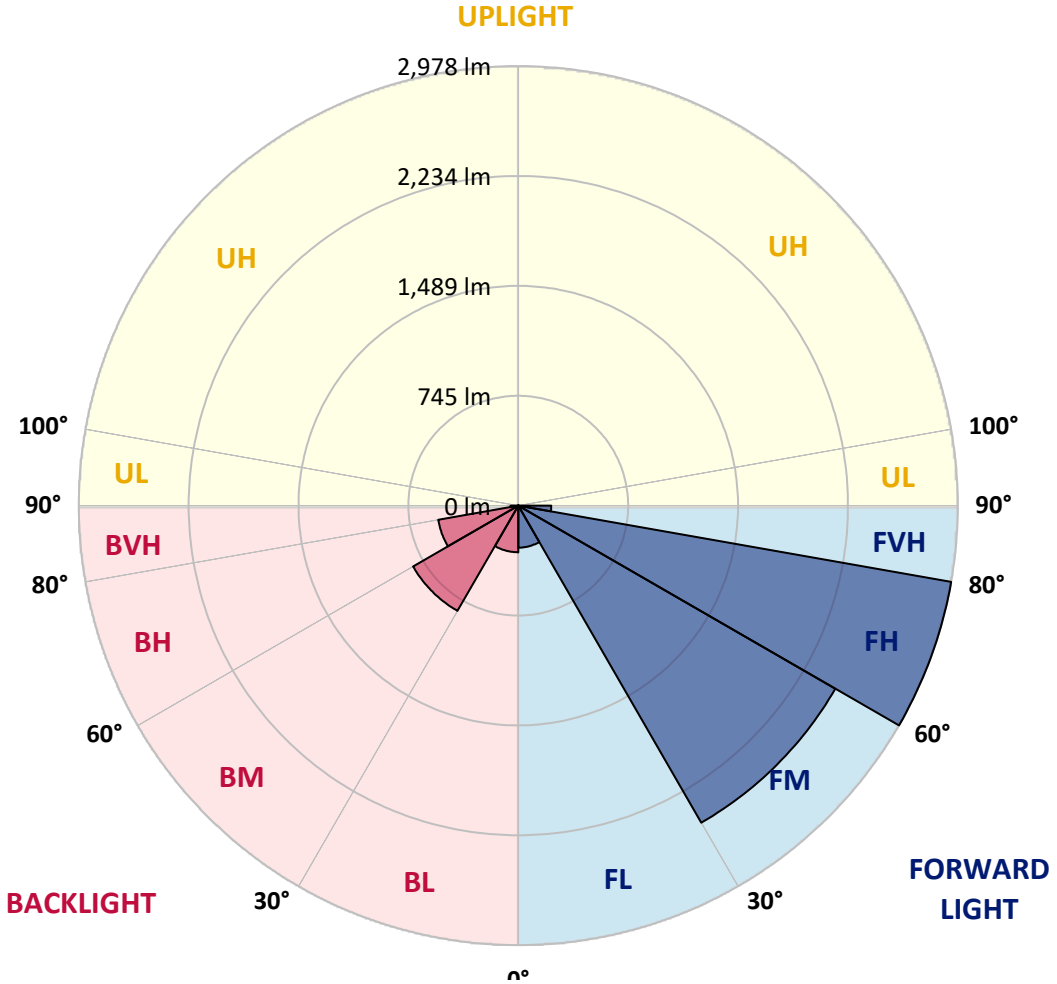
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	284.7	3.7			
FM	(30°-60°)	2480.6	32.2			
FH	(60°-80°)	2978.3	38.6			G2/5000
FVH	(80°-90°)	223.5	2.9			G2/225
BL	(0°-30°)	316.2	4.1	B1/500		
BM	(30°-60°)	823.5	10.7	B1/1000		
BH	(60°-80°)	551.2	7.1	B2/1000		G2/1000
BVH	(80°-90°)	52.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	755.3	822.9	822.9	822.9	837.0	848.3	853.9	856.7	868.0	876.4	882.1
5°	704.5	707.3	707.3	707.3	710.2	713.0	715.8	718.6	724.3	727.1	735.5
7.5°	591.8	603.1	625.6	645.4	659.4	673.5	684.8	693.3	698.9	704.5	707.3
10°	659.4	659.4	659.4	659.4	659.4	659.4	625.6	591.8	594.6	594.6	577.7
12.5°	552.4	569.3	594.6	617.2	636.9	653.8	631.3	608.7	566.4	524.2	524.2
15°	639.7	639.7	636.9	634.1	597.4	560.8	527.0	493.2	515.7	538.3	498.8
17.5°	549.5	552.4	586.2	617.2	611.5	603.1	572.1	538.3	484.7	428.4	484.7
20°	704.5	696.1	679.2	662.3	583.4	504.4	518.5	532.6	546.7	558.0	558.0
22.5°	648.2	653.8	665.1	676.3	667.9	656.6	574.9	493.2	541.1	589.0	546.7
25°	887.7	887.7	853.9	820.1	735.5	648.2	662.3	673.5	591.8	507.3	577.7
27.5°	820.1	814.4	800.3	783.4	800.3	814.4	741.2	665.1	687.6	710.2	651.0
30°	1090.6	1090.6	1076.5	1062.4	941.3	817.3	808.8	797.5	749.6	698.9	732.7
32.5°	1307.6	1304.8	1240.0	1175.2	1107.5	1037.1	963.8	887.7	882.1	876.4	870.8
35°	1566.9	1566.9	1530.2	1493.6	1344.2	1192.1	1104.7	1017.3	992.0	966.6	986.3
37.5°	1713.4	1733.1	1719.1	1702.1	1538.7	1372.4	1251.2	1127.2	1101.9	1076.5	1085.0
40°	1916.3	1910.7	1907.9	1902.2	1713.4	1524.6	1395.0	1262.5	1245.6	1228.7	1228.7
42.5°	2223.5	2192.5	2158.7	2122.0	1930.4	1738.8	1595.1	1448.5	1417.5	1383.7	1386.5
45°	2646.2	2612.4	2533.5	2451.8	2257.3	2062.9	1871.2	1679.6	1626.1	1569.7	1564.1
47.5°	2905.5	2868.9	2829.4	2787.1	2578.6	2370.0	2172.8	1972.7	1893.8	1814.9	1783.9
50°	3173.2	3139.4	3108.4	3077.4	2894.2	2711.0	2513.8	2316.5	2192.5	2068.5	2015.0
52.5°	3426.8	3364.8	3333.8	3302.8	3147.8	2990.0	2784.3	2578.6	2485.6	2392.6	2277.0
55°	3550.8	3474.7	3463.5	3449.4	3333.8	3215.5	3018.2	2820.9	2716.7	2609.6	2494.0
57.5°	3376.1	3381.7	3443.7	3505.7	3440.9	3376.1	3190.1	3004.1	2899.9	2795.6	2708.2
60°	3218.3	3260.6	3336.7	3412.7	3418.4	3421.2	3322.6	3223.9	3108.4	2992.8	2925.2
62.5°	3001.3	3032.3	3150.7	3266.2	3353.6	3438.1	3336.7	3235.2	3195.8	3153.5	3111.2
65°	2708.2	2716.7	2851.9	2984.4	3142.2	3297.2	3218.3	3139.4	3207.0	3271.8	3277.5
67.5°	2350.3	2375.7	2508.1	2640.6	2832.2	3021.0	3018.2	3015.4	3159.1	3300.0	3398.7
70°	*2000.9*	*2000.9*	*2130.5*	*2260.1*	*2474.3*	*2688.5*	*2758.9*	*2829.4*	*3052.0*	*3274.7*	*3457.8*
72.5°	1507.7	1578.1	1645.8	1713.4	1953.0	2189.7	2344.7	2499.7	2832.2	3161.9	3440.9
75°	831.3	837.0	896.2	955.3	1194.9	1434.4	1668.3	1902.2	2347.5	2792.8	3232.4
77.5°	273.4	264.9	298.7	329.7	470.6	608.7	806.0	1003.3	1493.6	1984.0	2691.3
80°	152.2	155.0	166.3	177.5	222.6	264.9	360.7	456.5	665.1	870.8	1710.6
82.5°	101.5	104.3	115.5	126.8	146.5	166.3	219.8	270.5	290.3	307.2	772.2
85°	64.8	67.6	73.3	78.9	84.5	87.4	124.0	160.6	146.5	132.5	231.1
87.5°	14.1	14.1	16.9	16.9	19.7	22.5	28.2	33.8	31.0	25.4	33.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	915.9	915.9	915.9	915.9	915.9	915.9	*915.9*	915.9	915.9	915.9	915.9
2.5°	884.9	890.5	893.3	896.2	899.0	904.6	*907.4*	910.3	915.9	918.7	918.7
5°	744.0	794.7	842.6	859.5	876.4	884.9	*890.5*	899.0	904.6	910.3	915.9
7.5°	710.2	713.0	715.8	735.5	755.3	772.2	*789.1*	794.7	808.8	800.3	789.1
10°	558.0	560.8	560.8	580.5	600.3	659.4	*698.9*	707.3	715.8	682.0	645.4
12.5°	521.4	535.4	549.5	541.1	532.6	574.9	*603.1*	614.4	620.0	597.4	574.9
15°	456.5	470.6	481.9	546.7	611.5	667.9	*718.6*	732.7	749.6	713.0	673.5
17.5°	541.1	535.4	527.0	538.3	549.5	563.6	*591.8*	600.3	600.3	611.5	622.8
20°	558.0	496.0	434.0	549.5	665.1	715.8	*780.6*	803.2	808.8	777.8	746.8
22.5°	501.6	572.1	642.5	628.4	614.4	600.3	*600.3*	608.7	617.2	622.8	628.4
25°	645.4	586.2	527.0	662.3	797.5	851.1	*882.1*	896.2	907.4	868.0	825.7
27.5°	591.8	670.7	746.8	806.0	865.2	924.3	*989.2*	1051.2	975.1	938.4	901.8
30°	763.7	828.5	893.3	1034.3	1175.2	1251.2	*1290.7*	1290.7	1290.7	1237.2	1180.8
32.5°	865.2	977.9	1090.6	1166.7	1240.0	1316.1	*1347.1*	1347.1	1347.1	1282.2	1214.6
35°	1003.3	1093.4	1183.6	1271.0	1358.3	1417.5	*1440.1*	1431.6	1414.7	1327.3	1240.0
37.5°	1093.4	1214.6	1335.8	1426.0	1513.3	1550.0	*1558.4*	1533.1	1507.7	1392.2	1273.8
40°	1228.7	1361.2	1490.8	1586.6	1682.4	1713.4	*1696.5*	1662.7	1617.6	1462.6	1307.6
42.5°	1386.5	1519.0	1651.4	1764.1	1874.1	1893.8	*1868.4*	1814.9	1736.0	1524.6	1310.4
45°	1558.4	1690.9	1820.5	1947.3	2074.1	2088.2	*2054.4*	1975.5	1860.0	1583.8	1307.6
47.5°	1750.1	1854.3	1958.6	2139.0	2319.3	2302.4	*2251.7*	2161.5	2009.3	1654.2	1296.3
50°	1961.4	2043.1	2122.0	2347.5	2572.9	2522.2	*2465.9*	2367.2	2167.1	1736.0	1302.0
52.5°	2158.7	2237.6	2316.5	2550.4	2781.5	2733.6	*2671.6*	2584.2	2327.8	1823.3	1316.1
55°	2378.5	2463.0	2547.6	2795.6	3043.6	2961.8	*2882.9*	2826.6	2485.6	1896.6	1307.6
57.5°	2618.0	2725.1	2832.2	3060.5	3285.9	3198.6	*3153.5*	3080.2	2660.3	1984.0	1307.6
60°	2857.6	2987.2	3116.8	3316.9	3517.0	3446.6	*3438.1*	3336.7	2823.8	2048.8	1271.0
62.5°	3068.9	3263.4	3457.8	3615.7	3770.7	3703.0	*3705.8*	3587.5	2975.9	2062.9	1147.0
65°	3283.1	3533.9	3781.9	3897.5	4013.0	3965.1	*4013.0*	3801.7	3077.4	2006.5	935.6
67.5°	3494.5	3770.7	4046.8	4134.2	4221.6	4193.4	*4249.7*	3872.1	3054.8	1860.0	662.3
70°	*3641.0*	*3934.1*	*4227.2*	*4272.3*	*4317.4*	*4311.7*	*4331.5*	*3784.7*	*2902.7*	*1671.1*	*436.8*
72.5°	3719.9	3996.1	4269.5	4289.2	4306.1	4297.6	*4215.9*	3511.4	2629.3	1465.4	301.5
75°	3669.2	3936.9	4204.6	4165.2	4125.7	4046.8	*3773.5*	3023.8	2155.9	1189.2	222.6
77.5°	3398.7	3688.9	3979.2	3877.7	3773.5	3542.4	*3083.0*	2265.8	1499.2	837.0	171.9
80°	2550.4	2908.3	3266.2	3145.0	3021.0	2533.5	*1876.9*	1268.2	775.0	453.7	132.5
82.5°	1234.3	1434.4	1634.5	1603.5	1572.5	1163.9	*811.6*	456.5	222.6	163.5	104.3
85°	326.9	484.7	642.5	614.4	586.2	310.0	*135.3*	118.4	87.4	81.7	73.3
87.5°	39.5	45.1	47.9	33.8	16.9	14.1	*14.1*	8.5	8.5	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°	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9	915.9
2.5°	924.3	927.2	927.2	927.2	927.2	927.2	904.6	882.1	876.4	870.8	859.5
5°	890.5	862.3	842.6	822.9	822.9	820.1	828.5	837.0	842.6	845.4	848.3
7.5°	791.9	794.7	811.6	825.7	839.8	851.1	859.5	865.2	859.5	851.1	817.3
10°	648.2	651.0	665.1	676.3	696.1	713.0	760.9	806.0	859.5	913.1	927.2
12.5°	617.2	656.6	634.1	611.5	673.5	732.7	794.7	853.9	896.2	935.6	907.4
15°	628.4	583.4	591.8	600.3	676.3	752.4	707.3	659.4	772.2	884.9	910.3
17.5°	625.6	625.6	667.9	710.2	639.7	566.4	670.7	772.2	817.3	859.5	825.7
20°	667.9	586.2	617.2	645.4	701.7	755.3	710.2	665.1	682.0	698.9	808.8
22.5°	696.1	760.9	690.4	617.2	667.9	718.6	710.2	701.7	752.4	803.2	775.0
25°	727.1	625.6	676.3	724.3	667.9	608.7	653.8	696.1	682.0	667.9	755.3
27.5°	834.2	763.7	698.9	634.1	667.9	698.9	665.1	628.4	642.5	656.6	651.0
30°	1008.9	834.2	752.4	670.7	628.4	583.4	586.2	589.0	605.9	622.8	670.7
32.5°	1054.0	893.3	775.0	656.6	628.4	600.3	574.9	546.7	572.1	597.4	653.8
35°	1065.3	887.7	760.9	634.1	589.0	543.9	527.0	510.1	552.4	594.6	645.4
37.5°	1059.6	842.6	707.3	572.1	538.3	504.4	496.0	484.7	512.9	538.3	574.9
40°	1045.5	783.4	648.2	512.9	484.7	456.5	450.9	445.3	465.0	484.7	507.3
42.5°	1020.2	727.1	591.8	456.5	436.8	417.1	411.4	403.0	419.9	436.8	445.3
45°	989.2	670.7	543.9	414.3	400.2	383.3	374.8	363.5	380.4	394.5	397.4
47.5°	958.2	617.2	501.6	383.3	372.0	357.9	349.4	338.2	352.3	363.5	366.4
50°	932.8	560.8	456.5	352.3	341.0	329.7	321.3	312.8	326.9	338.2	338.2
52.5°	918.7	518.5	417.1	315.6	310.0	304.4	301.5	295.9	307.2	318.4	321.3
55°	884.9	459.4	372.0	281.8	284.6	284.6	281.8	276.2	298.7	318.4	326.9
57.5°	848.3	388.9	324.1	256.4	262.1	267.7	270.5	273.4	298.7	321.3	332.5
60°	800.3	329.7	281.8	233.9	242.4	248.0	262.1	273.4	295.9	318.4	324.1
62.5°	715.8	281.8	248.0	214.2	225.4	236.7	253.6	270.5	287.4	304.4	304.4
65°	591.8	245.2	222.6	197.3	214.2	228.3	248.0	267.7	281.8	293.1	290.3
67.5°	442.4	219.8	202.9	183.2	202.9	219.8	236.7	253.6	270.5	287.4	281.8
70°	*318.4*	*197.3*	*186.0*	*171.9*	*188.8*	*205.7*	*222.6*	*239.5*	*256.4*	*273.4*	*270.5*
72.5°	242.4	180.4	169.1	157.8	174.7	188.8	208.5	228.3	245.2	262.1	256.4
75°	194.5	163.5	155.0	143.7	160.6	177.5	197.3	214.2	231.1	248.0	242.4
77.5°	160.6	146.5	138.1	129.6	143.7	157.8	177.5	197.3	214.2	228.3	222.6
80°	129.6	124.0	118.4	109.9	126.8	140.9	160.6	177.5	191.6	205.7	197.3
82.5°	101.5	98.6	95.8	90.2	104.3	118.4	138.1	157.8	169.1	180.4	174.7
85°	76.1	76.1	73.3	70.5	81.7	90.2	101.5	109.9	121.2	129.6	124.0
87.5°	11.3	11.3	16.9	19.7	19.7	19.7	28.2	36.6	36.6	33.8	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):

	165°	170°	175°	180°
0°	915.9	915.9	915.9	915.9
2.5°	848.3	848.3	848.3	851.1
5°	851.1	853.9	853.9	859.5
7.5°	780.6	777.8	775.0	775.0
10°	938.4	944.1	946.9	952.5
12.5°	876.4	842.6	808.8	808.8
15°	935.6	941.3	944.1	949.7
17.5°	791.9	789.1	786.3	780.6
20°	915.9	921.5	924.3	924.3
22.5°	746.8	746.8	744.0	744.0
25°	842.6	842.6	842.6	848.3
27.5°	642.5	662.3	682.0	707.3
30°	718.6	721.4	724.3	724.3
32.5°	710.2	746.8	783.4	789.1
35°	696.1	696.1	693.3	696.1
37.5°	611.5	603.1	591.8	597.4
40°	527.0	507.3	487.5	484.7
42.5°	453.7	436.8	417.1	417.1
45°	400.2	388.9	374.8	369.2
47.5°	366.4	355.1	343.8	341.0
50°	335.4	324.1	312.8	312.8
52.5°	324.1	315.6	304.4	301.5
55°	335.4	318.4	301.5	295.9
57.5°	341.0	321.3	301.5	293.1
60°	326.9	315.6	301.5	290.3
62.5°	301.5	295.9	290.3	284.6
65°	284.6	284.6	281.8	276.2
67.5°	276.2	279.0	279.0	273.4
70°	*264.9*	*270.5*	*273.4*	*267.7*
72.5°	250.8	253.6	253.6	245.2
75°	233.9	231.1	228.3	222.6
77.5°	214.2	211.4	205.7	200.1
80°	188.8	186.0	183.2	174.7
82.5°	166.3	171.9	174.7	143.7
85°	115.5	104.3	93.0	76.1
87.5°	22.5	16.9	8.5	8.5
90°	0.0	0.0	0.0	0.0

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