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: P560875

Luminaire Tested: **SDL-PA1-70-727-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560875
	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-PA1-70-727-U-T3
Description:	Springdale
	(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7080.5 lumens
Efficiency:	N/A
Efficacy:	98.1 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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Scaled Data Report

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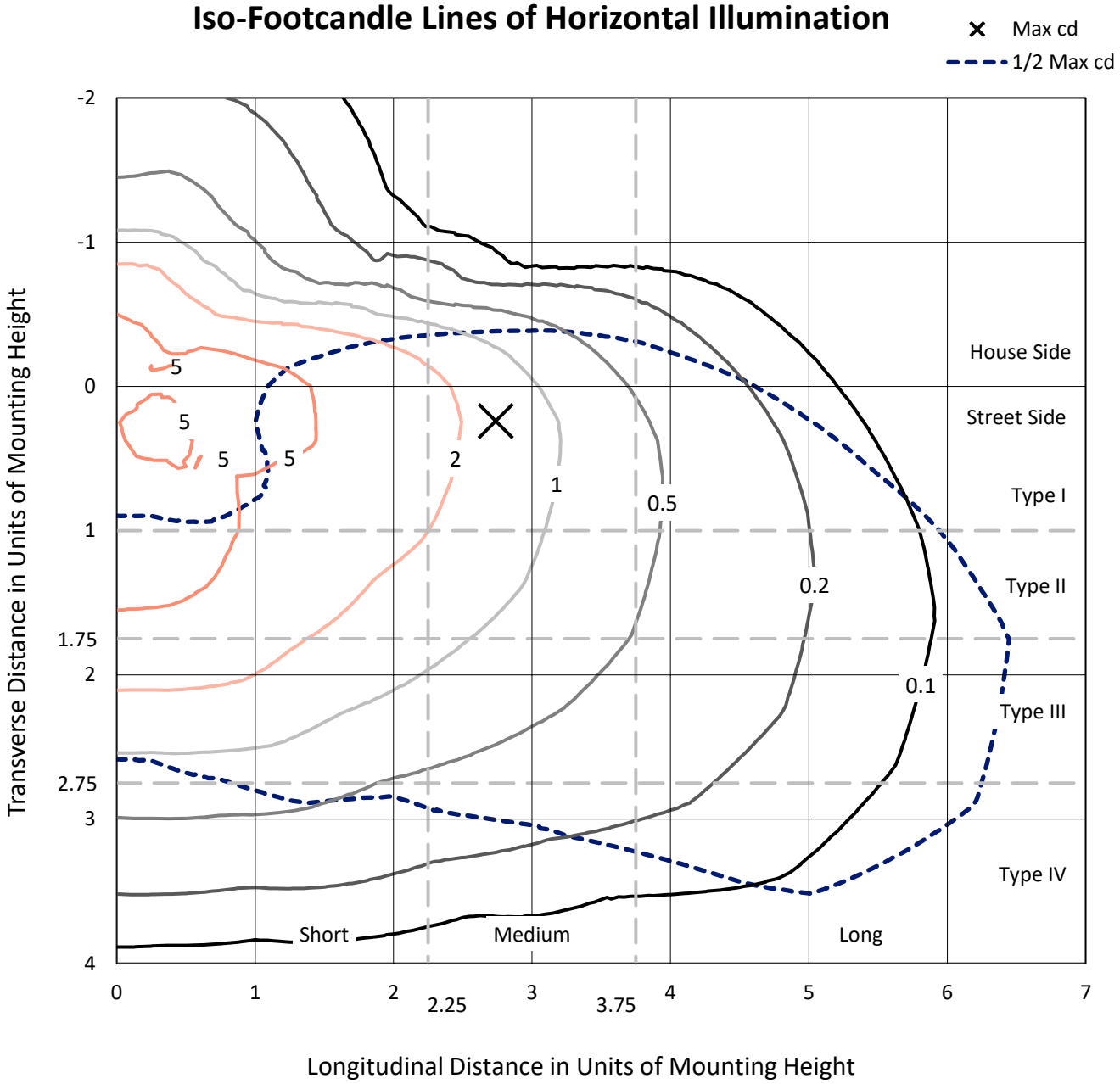
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Medium - N/A

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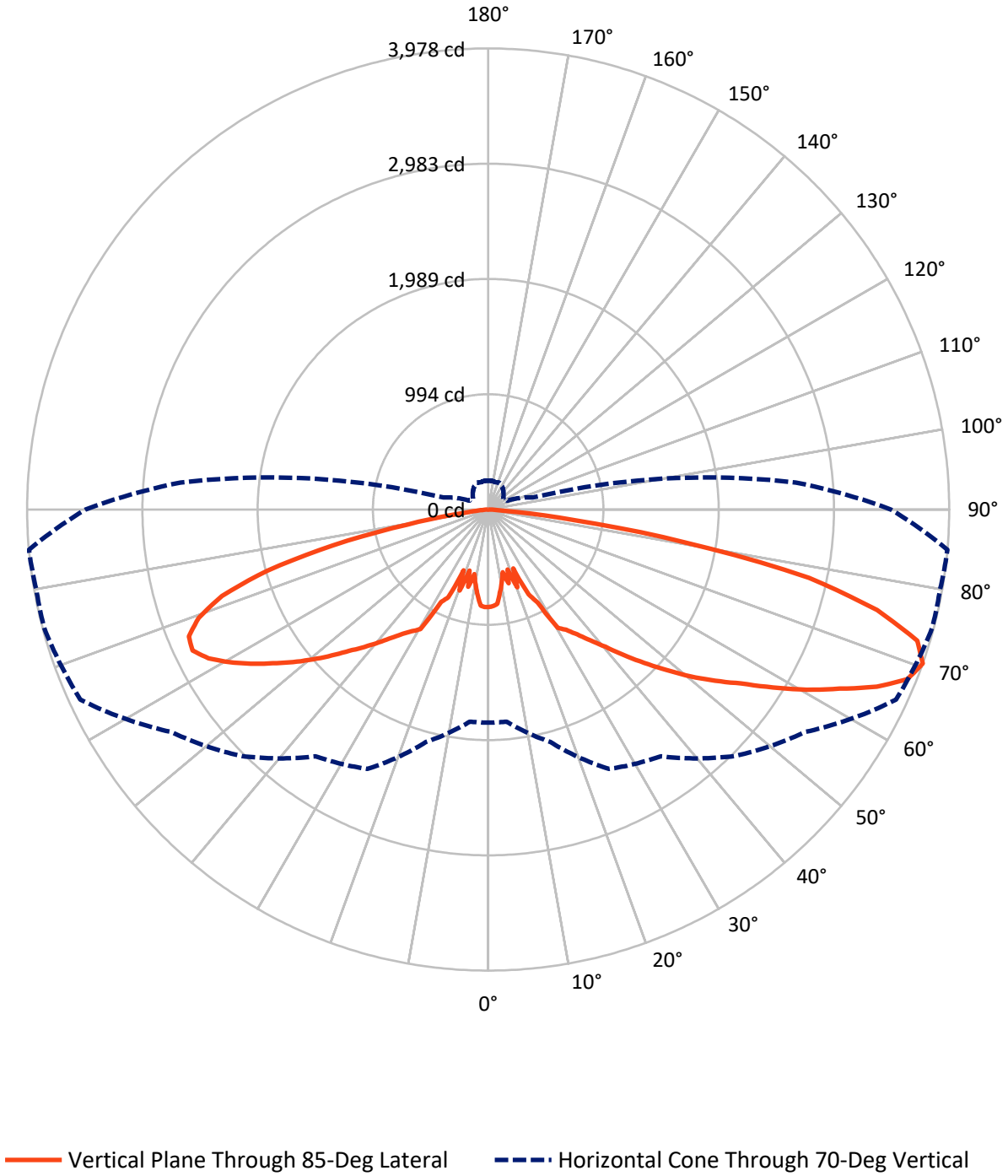
Luminous Intensity Polar Plot



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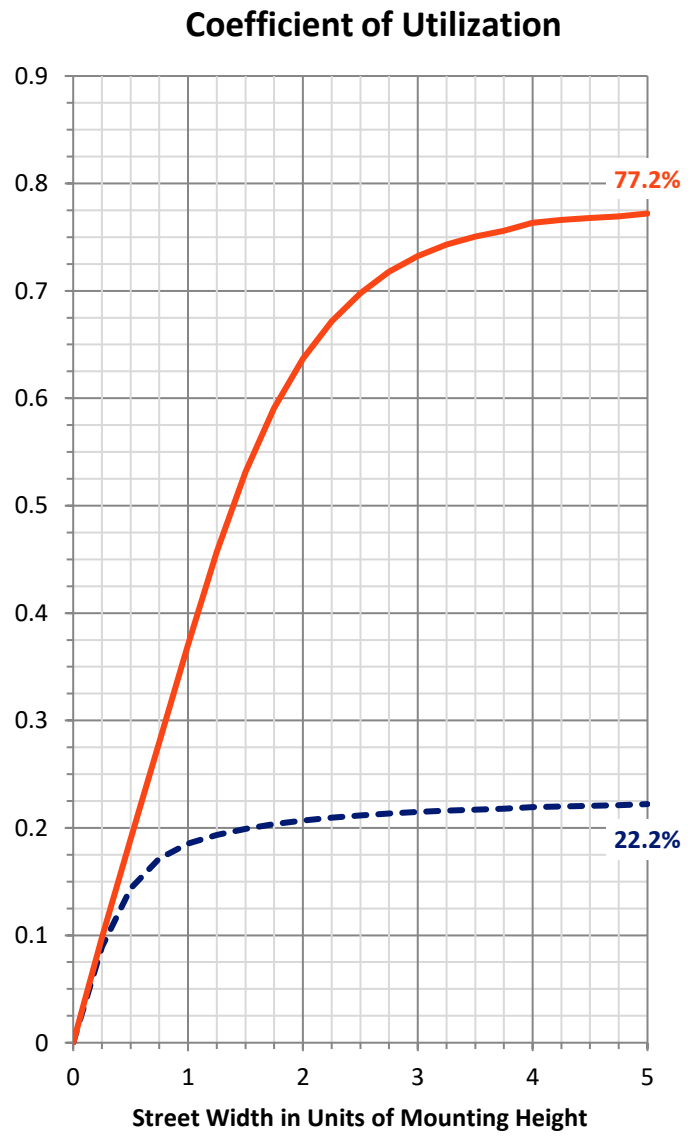
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.9	0.0	1600.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	5479.6	0.0	5479.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	7080.5	0.0	7080.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.0
10°-20°	171.0	2.4
20°-30°	312.5	4.4
30°-40°	590.1	8.3
40°-50°	961.2	13.6
50°-60°	1482.9	20.9
60°-70°	1817.6	25.7
70°-80°	1423.5	20.1
80°-90°	253.5	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°	7080.5	100.0
0°-180°	7080.5	100.0



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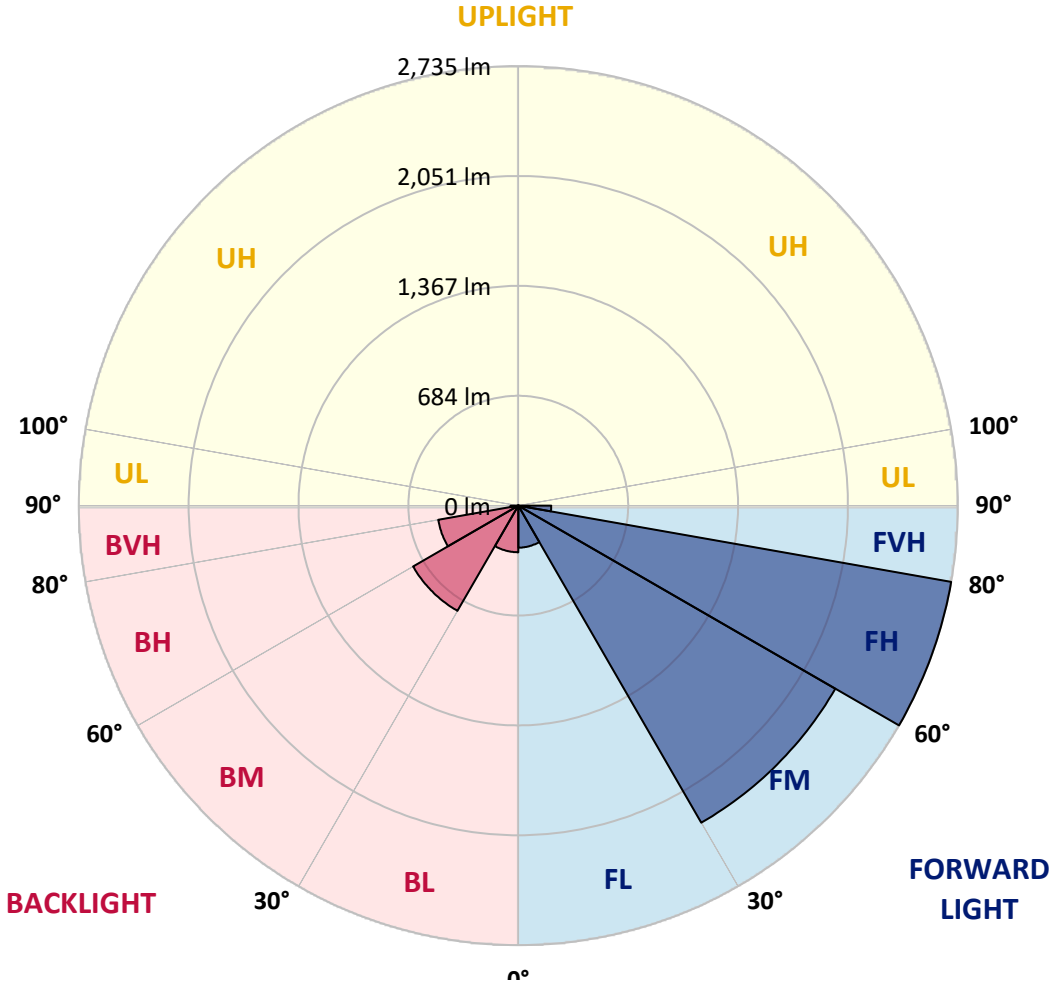
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	261.4	3.7			
FM	(30°-60°)	2278.0	32.2			
FH	(60°-80°)	2735.0	38.6			G2/5000
FVH	(80°-90°)	205.3	2.9			G2/225
BL	(0°-30°)	290.4	4.1	B1/500		
BM	(30°-60°)	756.2	10.7	B1/1000		
BH	(60°-80°)	506.1	7.1	B2/1000		G2/1000
BVH	(80°-90°)	48.2	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°	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1
2.5°	693.6	755.7	755.7	755.7	768.6	779.0	784.1	786.7	797.1	804.8	810.0
5°	647.0	649.6	649.6	649.6	652.1	654.7	657.3	659.9	665.1	667.7	675.4
7.5°	543.5	553.8	574.5	592.6	605.6	618.5	628.9	636.6	641.8	647.0	649.6
10°	605.6	605.6	605.6	605.6	605.6	605.6	574.5	543.5	546.0	546.0	530.5
12.5°	507.2	522.8	546.0	566.7	584.9	600.4	579.7	559.0	520.2	481.3	481.3
15°	587.5	587.5	584.9	582.3	548.6	515.0	483.9	452.9	473.6	494.3	458.1
17.5°	504.6	507.2	538.3	566.7	561.6	553.8	525.3	494.3	445.1	393.4	445.1
20°	647.0	639.2	623.7	608.2	535.7	463.2	476.2	489.1	502.0	512.4	512.4
22.5°	595.2	600.4	610.7	621.1	613.3	603.0	527.9	452.9	496.9	540.9	502.0
25°	815.2	815.2	784.1	753.1	675.4	595.2	608.2	618.5	543.5	465.8	530.5
27.5°	753.1	747.9	735.0	719.4	735.0	747.9	680.6	610.7	631.4	652.1	597.8
30°	1001.5	1001.5	988.6	975.6	864.4	750.5	742.7	732.4	688.4	641.8	672.9
32.5°	1200.8	1198.2	1138.7	1079.1	1017.0	952.3	885.1	815.2	810.0	804.8	799.7
35°	1438.9	1438.9	1405.2	1371.6	1234.4	1094.7	1014.5	934.2	910.9	887.6	905.8
37.5°	1573.4	1591.5	1578.6	1563.1	1413.0	1260.3	1149.0	1035.2	1011.9	988.6	996.3
40°	1759.8	1754.6	1752.0	1746.8	1573.4	1400.0	1281.0	1159.4	1143.8	1128.3	1128.3
42.5°	2041.8	2013.4	1982.3	1948.7	1772.7	1596.7	1464.7	1330.2	1301.7	1270.7	1273.2
45°	2430.0	2399.0	2326.5	2251.5	2072.9	1894.3	1718.4	1542.4	1493.2	1441.5	1436.3
47.5°	2668.1	2634.5	2598.2	2559.4	2367.9	2176.4	1995.3	1811.5	1739.1	1666.6	1638.1
50°	2914.0	2882.9	2854.4	2826.0	2657.8	2489.5	2308.4	2127.2	2013.4	1899.5	1850.3
52.5°	3146.9	3089.9	3061.5	3033.0	2890.7	2745.7	2556.8	2367.9	2282.5	2197.1	2091.0
55°	3260.7	3190.9	3180.5	3167.6	3061.5	2952.8	2771.6	2590.5	2494.7	2396.4	2290.3
57.5°	3100.3	3105.5	3162.4	3219.3	3159.8	3100.3	2929.5	2758.7	2662.9	2567.2	2487.0
60°	2955.4	2994.2	3064.1	3133.9	3139.1	3141.7	3051.1	2960.5	2854.4	2748.3	2686.2
62.5°	2756.1	2784.6	2893.3	2999.4	3079.6	3157.2	3064.1	2970.9	2934.7	2895.8	2857.0
65°	2487.0	2494.7	2618.9	2740.6	2885.5	3027.8	2955.4	2882.9	2945.0	3004.5	3009.7
67.5°	2158.3	2181.6	2303.2	2424.8	2600.8	2774.2	2771.6	2769.0	2901.0	3030.4	3121.0
70°	*1837.4*	*1837.4*	*1956.4*	*2075.5*	*2272.2*	*2468.8*	*2533.5*	*2598.2*	*2802.7*	*3007.1*	*3175.3*
72.5°	1384.5	1449.2	1511.3	1573.4	1793.4	2010.8	2153.1	2295.5	2600.8	2903.6	3159.8
75°	763.4	768.6	822.9	877.3	1097.3	1317.2	1532.0	1746.8	2155.7	2564.6	2968.3
77.5°	251.0	243.3	274.3	302.8	432.2	559.0	740.1	921.3	1371.6	1821.9	2471.4
80°	139.7	142.3	152.7	163.0	204.4	243.3	331.2	419.2	610.7	799.7	1570.8
82.5°	93.2	95.8	106.1	116.5	134.6	152.7	201.9	248.4	266.6	282.1	709.1
85°	59.5	62.1	67.3	72.5	77.6	80.2	113.9	147.5	134.6	121.6	212.2
87.5°	12.9	12.9	15.5	15.5	18.1	20.7	25.9	31.1	28.5	23.3	31.1
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°	841.1	841.1	841.1	841.1	841.1	841.1	*841.1*	841.1	841.1	841.1	841.1
2.5°	812.6	817.8	820.4	822.9	825.5	830.7	*833.3*	835.9	841.1	843.7	843.7
5°	683.2	729.8	773.8	789.3	804.8	812.6	*817.8*	825.5	830.7	835.9	841.1
7.5°	652.1	654.7	657.3	675.4	693.6	709.1	*724.6*	729.8	742.7	735.0	724.6
10°	512.4	515.0	515.0	533.1	551.2	605.6	*641.8*	649.6	657.3	626.3	592.6
12.5°	478.8	491.7	504.6	496.9	489.1	527.9	*553.8*	564.2	569.3	548.6	527.9
15°	419.2	432.2	442.5	502.0	561.6	613.3	*659.9*	672.9	688.4	654.7	618.5
17.5°	496.9	491.7	483.9	494.3	504.6	517.6	*543.5*	551.2	551.2	561.6	571.9
20°	512.4	455.5	398.5	504.6	610.7	657.3	*716.8*	737.5	742.7	714.3	685.8
22.5°	460.6	525.3	590.0	577.1	564.2	551.2	*551.2*	559.0	566.7	571.9	577.1
25°	592.6	538.3	483.9	608.2	732.4	781.5	*810.0*	822.9	833.3	797.1	758.3
27.5°	543.5	615.9	685.8	740.1	794.5	848.8	*908.3*	965.3	895.4	861.8	828.1
30°	701.3	760.8	820.4	949.8	1079.1	1149.0	*1185.3*	1185.3	1185.3	1136.1	1084.3
32.5°	794.5	898.0	1001.5	1071.4	1138.7	1208.5	*1237.0*	1237.0	1237.0	1177.5	1115.4
35°	921.3	1004.1	1086.9	1167.1	1247.4	1301.7	*1322.4*	1314.6	1299.1	1218.9	1138.7
37.5°	1004.1	1115.4	1226.7	1309.5	1389.7	1423.3	*1431.1*	1407.8	1384.5	1278.4	1169.7
40°	1128.3	1249.9	1369.0	1457.0	1545.0	1573.4	*1557.9*	1526.9	1485.4	1343.1	1200.8
42.5°	1273.2	1394.9	1516.5	1620.0	1720.9	1739.1	*1715.8*	1666.6	1594.1	1400.0	1203.4
45°	1431.1	1552.7	1671.8	1788.2	1904.7	1917.6	*1886.6*	1814.1	1708.0	1454.4	1200.8
47.5°	1607.1	1702.8	1798.6	1964.2	2129.8	2114.3	*2067.7*	1984.9	1845.2	1519.1	1190.4
50°	1801.2	1876.2	1948.7	2155.7	2362.7	2316.2	*2264.4*	2173.8	1990.1	1594.1	1195.6
52.5°	1982.3	2054.8	2127.2	2342.0	2554.2	2510.2	*2453.3*	2373.1	2137.6	1674.4	1208.5
55°	2184.2	2261.8	2339.4	2567.2	2794.9	2719.9	*2647.4*	2595.6	2282.5	1741.6	1200.8
57.5°	2404.1	2502.5	2600.8	2810.4	3017.5	2937.3	*2895.8*	2828.6	2443.0	1821.9	1200.8
60°	2624.1	2743.2	2862.2	3045.9	3229.7	3165.0	*3157.2*	3064.1	2593.1	1881.4	1167.1
62.5°	2818.2	2996.8	3175.3	3320.3	3462.6	3400.5	*3403.1*	3294.4	2732.8	1894.3	1053.3
65°	3014.9	3245.2	3472.9	3579.0	3685.1	3641.2	*3685.1*	3491.1	2826.0	1842.6	859.2
67.5°	3209.0	3462.6	3716.2	3796.4	3876.7	3850.8	*3902.5*	3555.8	2805.3	1708.0	608.2
70°	*3343.5*	*3612.7*	*3881.8*	*3923.2*	*3964.6*	*3959.5*	*3977.6*	*3475.5*	*2665.5*	*1534.6*	*401.1*
72.5°	3416.0	3669.6	3920.6	3938.8	3954.3	3946.5	*3871.5*	3224.5	2414.5	1345.7	276.9
75°	3369.4	3615.3	3861.1	3824.9	3788.7	3716.2	*3465.2*	2776.8	1979.7	1092.1	204.4
77.5°	3121.0	3387.5	3654.1	3560.9	3465.2	3253.0	*2831.1*	2080.7	1376.8	768.6	157.9
80°	2342.0	2670.7	2999.4	2888.1	2774.2	2326.5	*1723.5*	1164.5	711.7	416.6	121.6
82.5°	1133.5	1317.2	1501.0	1472.5	1444.0	1068.8	*745.3*	419.2	204.4	150.1	95.8
85°	300.2	445.1	590.0	564.2	538.3	284.7	*124.2*	108.7	80.2	75.0	67.3
87.5°	36.2	41.4	44.0	31.1	15.5	12.9	*12.9*	7.8	7.8	10.4	10.4
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°	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1	841.1
2.5°	848.8	851.4	851.4	851.4	851.4	851.4	830.7	810.0	804.8	799.7	789.3
5°	817.8	791.9	773.8	755.7	755.7	753.1	760.8	768.6	773.8	776.4	779.0
7.5°	727.2	729.8	745.3	758.3	771.2	781.5	789.3	794.5	789.3	781.5	750.5
10°	595.2	597.8	610.7	621.1	639.2	654.7	698.7	740.1	789.3	838.5	851.4
12.5°	566.7	603.0	582.3	561.6	618.5	672.9	729.8	784.1	822.9	859.2	833.3
15°	577.1	535.7	543.5	551.2	621.1	691.0	649.6	605.6	709.1	812.6	835.9
17.5°	574.5	574.5	613.3	652.1	587.5	520.2	615.9	709.1	750.5	789.3	758.3
20°	613.3	538.3	566.7	592.6	644.4	693.6	652.1	610.7	626.3	641.8	742.7
22.5°	639.2	698.7	634.0	566.7	613.3	659.9	652.1	644.4	691.0	737.5	711.7
25°	667.7	574.5	621.1	665.1	613.3	559.0	600.4	639.2	626.3	613.3	693.6
27.5°	766.0	701.3	641.8	582.3	613.3	641.8	610.7	577.1	590.0	603.0	597.8
30°	926.5	766.0	691.0	615.9	577.1	535.7	538.3	540.9	556.4	571.9	615.9
32.5°	967.9	820.4	711.7	603.0	577.1	551.2	527.9	502.0	525.3	548.6	600.4
35°	978.2	815.2	698.7	582.3	540.9	499.5	483.9	468.4	507.2	546.0	592.6
37.5°	973.0	773.8	649.6	525.3	494.3	463.2	455.5	445.1	471.0	494.3	527.9
40°	960.1	719.4	595.2	471.0	445.1	419.2	414.1	408.9	427.0	445.1	465.8
42.5°	936.8	667.7	543.5	419.2	401.1	383.0	377.8	370.1	385.6	401.1	408.9
45°	908.3	615.9	499.5	380.4	367.5	352.0	344.2	333.8	349.4	362.3	364.9
47.5°	879.9	566.7	460.6	352.0	341.6	328.7	320.9	310.5	323.5	333.8	336.4
50°	856.6	515.0	419.2	323.5	313.1	302.8	295.0	287.3	300.2	310.5	310.5
52.5°	843.7	476.2	383.0	289.8	284.7	279.5	276.9	271.7	282.1	292.4	295.0
55°	812.6	421.8	341.6	258.8	261.4	261.4	258.8	253.6	274.3	292.4	300.2
57.5°	779.0	357.1	297.6	235.5	240.7	245.8	248.4	251.0	274.3	295.0	305.4
60°	735.0	302.8	258.8	214.8	222.6	227.7	240.7	251.0	271.7	292.4	297.6
62.5°	657.3	258.8	227.7	196.7	207.0	217.4	232.9	248.4	264.0	279.5	279.5
65°	543.5	225.1	204.4	181.2	196.7	209.6	227.7	245.8	258.8	269.1	266.6
67.5°	406.3	201.9	186.3	168.2	186.3	201.9	217.4	232.9	248.4	264.0	258.8
70°	*292.4*	*181.2*	*170.8*	*157.9*	*173.4*	*188.9*	*204.4*	*220.0*	*235.5*	*251.0*	*248.4*
72.5°	222.6	165.6	155.3	144.9	160.4	173.4	191.5	209.6	225.1	240.7	235.5
75°	178.6	150.1	142.3	132.0	147.5	163.0	181.2	196.7	212.2	227.7	222.6
77.5°	147.5	134.6	126.8	119.0	132.0	144.9	163.0	181.2	196.7	209.6	204.4
80°	119.0	113.9	108.7	100.9	116.5	129.4	147.5	163.0	176.0	188.9	181.2
82.5°	93.2	90.6	88.0	82.8	95.8	108.7	126.8	144.9	155.3	165.6	160.4
85°	69.9	69.9	67.3	64.7	75.0	82.8	93.2	100.9	111.3	119.0	113.9
87.5°	10.4	10.4	15.5	18.1	18.1	18.1	25.9	33.6	33.6	31.1	25.9
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°	841.1	841.1	841.1	841.1
2.5°	779.0	779.0	779.0	781.5
5°	781.5	784.1	784.1	789.3
7.5°	716.8	714.3	711.7	711.7
10°	861.8	866.9	869.5	874.7
12.5°	804.8	773.8	742.7	742.7
15°	859.2	864.4	866.9	872.1
17.5°	727.2	724.6	722.0	716.8
20°	841.1	846.2	848.8	848.8
22.5°	685.8	685.8	683.2	683.2
25°	773.8	773.8	773.8	779.0
27.5°	590.0	608.2	626.3	649.6
30°	659.9	662.5	665.1	665.1
32.5°	652.1	685.8	719.4	724.6
35°	639.2	639.2	636.6	639.2
37.5°	561.6	553.8	543.5	548.6
40°	483.9	465.8	447.7	445.1
42.5°	416.6	401.1	383.0	383.0
45°	367.5	357.1	344.2	339.0
47.5°	336.4	326.1	315.7	313.1
50°	308.0	297.6	287.3	287.3
52.5°	297.6	289.8	279.5	276.9
55°	308.0	292.4	276.9	271.7
57.5°	313.1	295.0	276.9	269.1
60°	300.2	289.8	276.9	266.6
62.5°	276.9	271.7	266.6	261.4
65°	261.4	261.4	258.8	253.6
67.5°	253.6	256.2	256.2	251.0
70°	*243.3*	*248.4*	*251.0*	*245.8*
72.5°	230.3	232.9	232.9	225.1
75°	214.8	212.2	209.6	204.4
77.5°	196.7	194.1	188.9	183.7
80°	173.4	170.8	168.2	160.4
82.5°	152.7	157.9	160.4	132.0
85°	106.1	95.8	85.4	69.9
87.5°	20.7	15.5	7.8	7.8
90°	0.0	0.0	0.0	0.0

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