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: P560879

Luminaire Tested: **SDL-PA1-70-727-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560879
	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-PA1-70-727-U-T4W
Description:	Springdale
	(1) 70 CRI, 2700K, 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:	7070.2 lumens
Efficiency:	N/A
Efficacy:	97.9 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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Scaled Data Report

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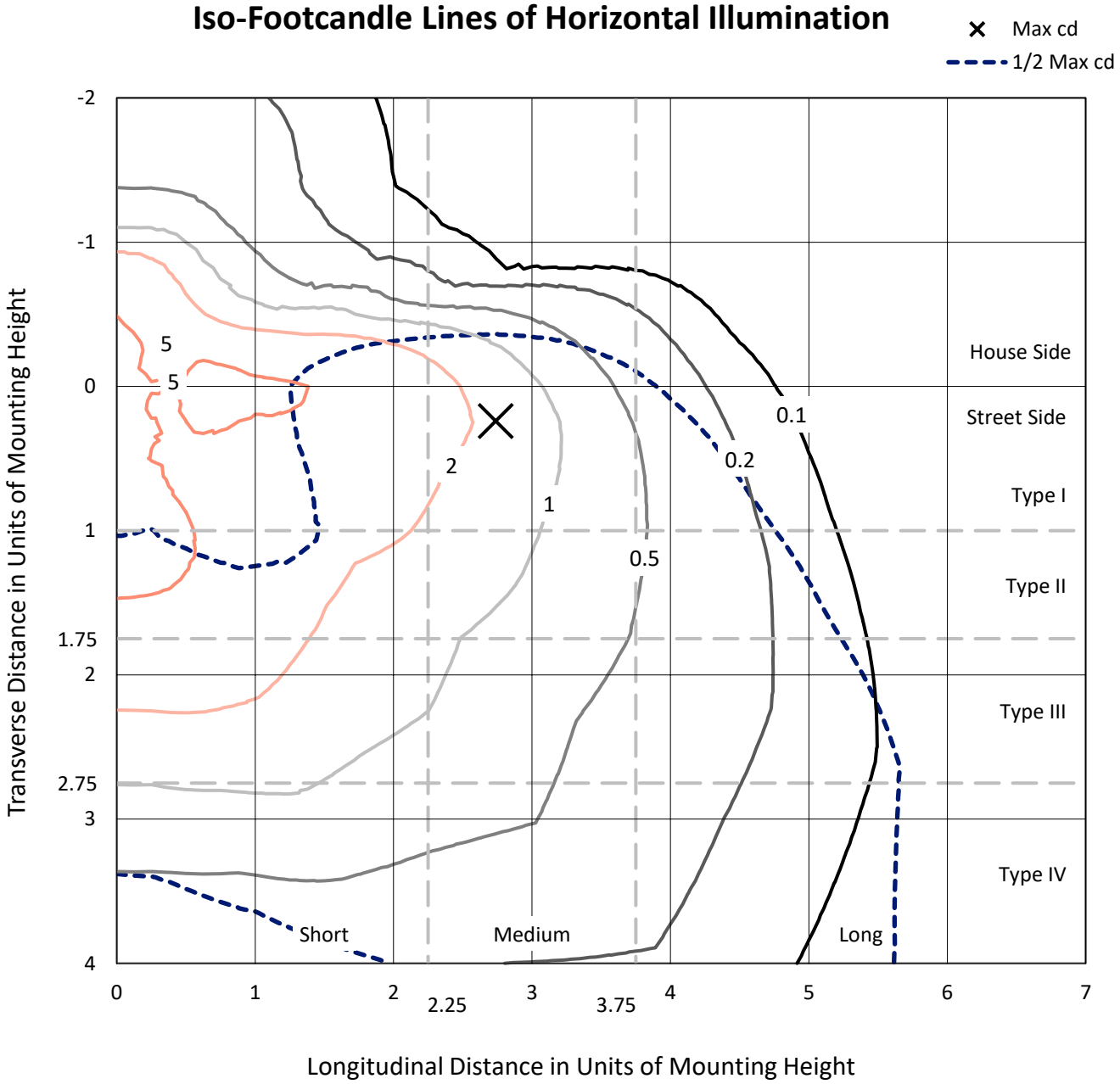
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Medium - N/A

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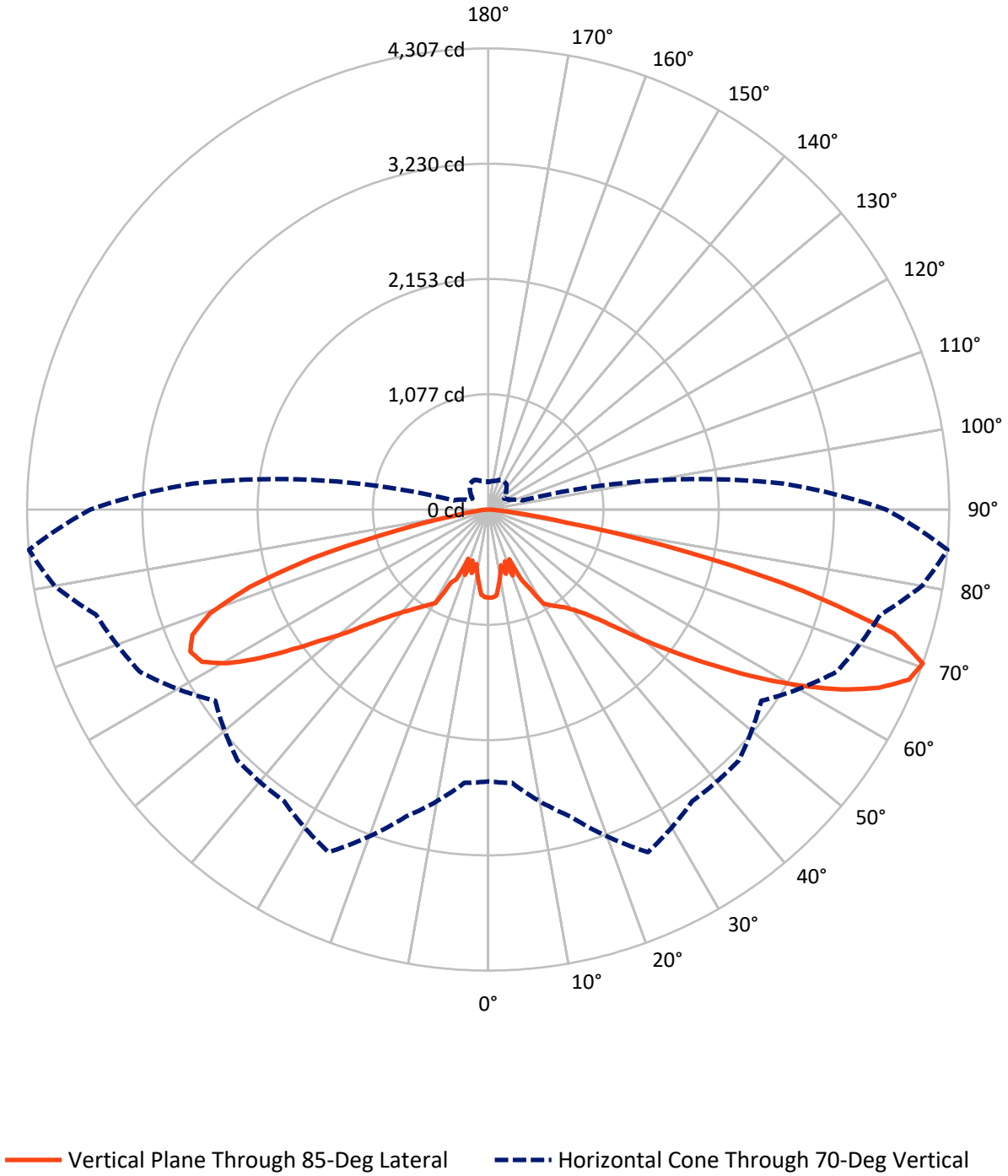
Luminous Intensity Polar Plot



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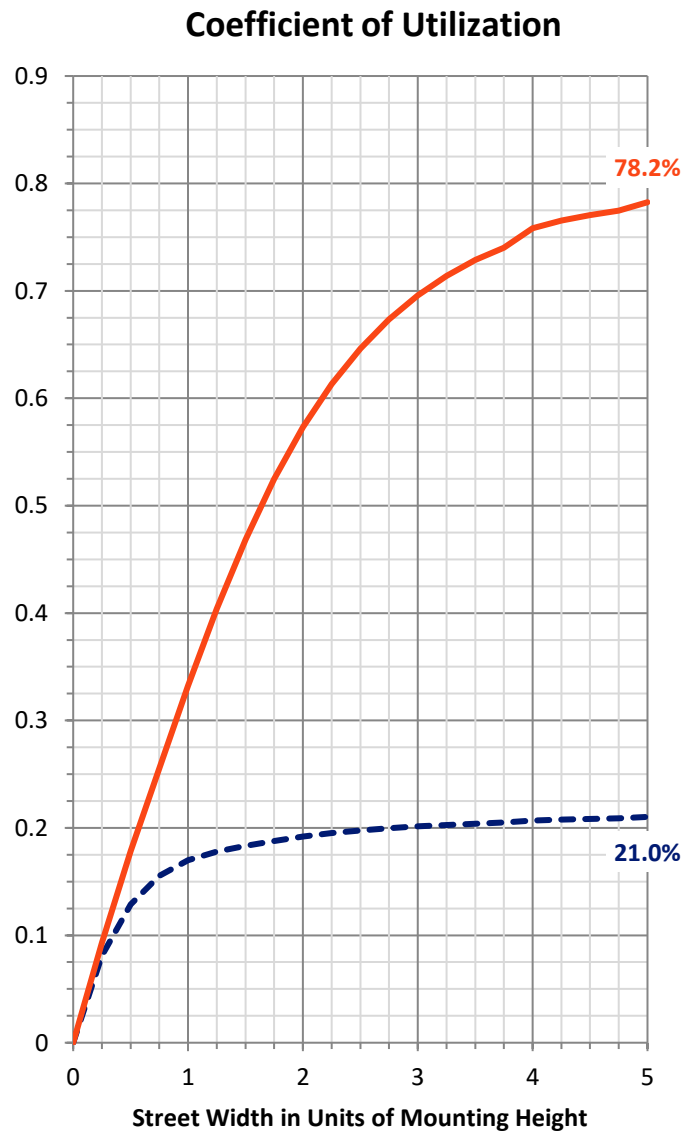
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1520.1	0.0	1520.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5550.1	0.0	5550.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	7070.2	0.0	7070.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.0
10°-20°	172.1	2.4
20°-30°	300.8	4.3
30°-40°	529.8	7.5
40°-50°	799.3	11.3
50°-60°	1271.5	18.0
60°-70°	1864.4	26.4
70°-80°	1748.3	24.7
80°-90°	315.7	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°	7070.2	100.0
0°-180°	7070.2	100.0



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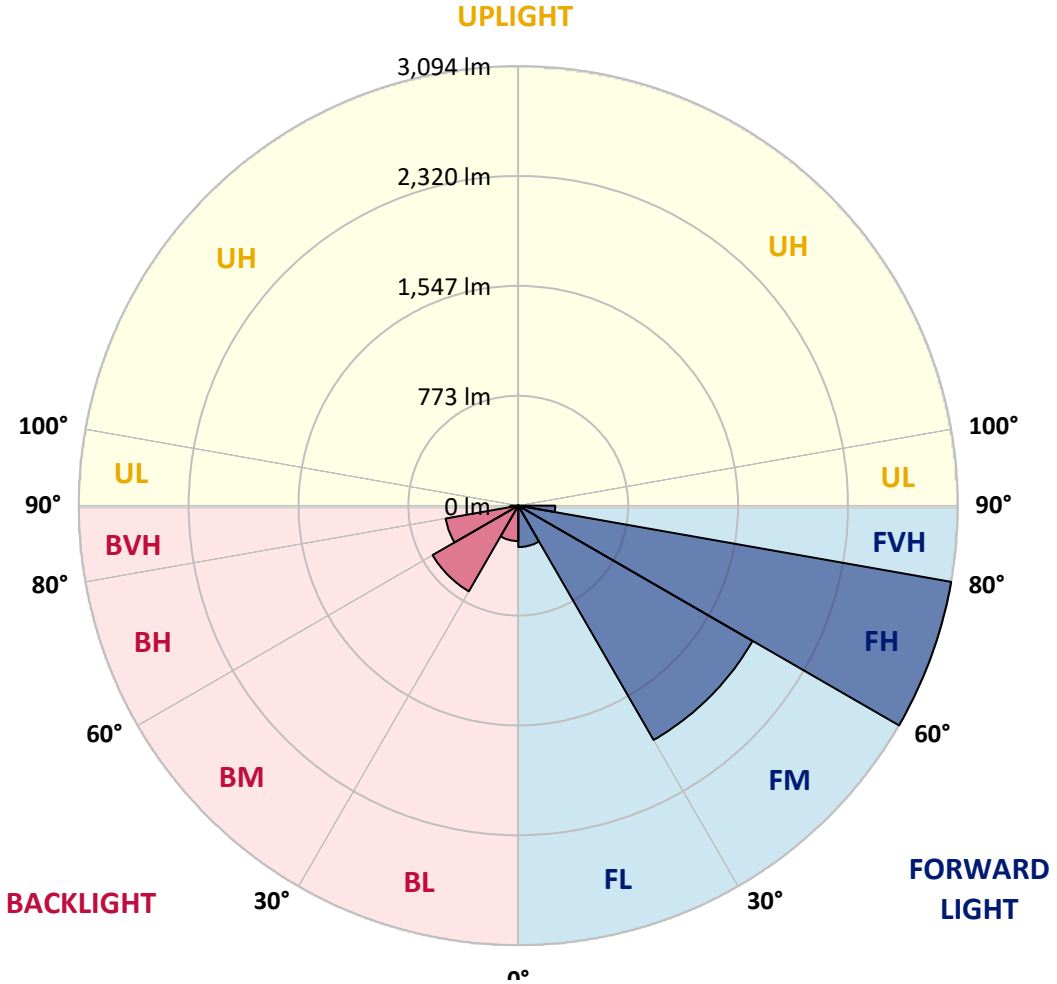
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	291.5	4.1			
FM	(30°-60°)	1904.7	26.9			
FH	(60°-80°)	3093.8	43.8			G2/5000
FVH	(80°-90°)	259.9	3.7			G3/500
BL	(0°-30°)	249.6	3.5	B1/500		
BM	(30°-60°)	695.9	9.8	B1/1000		
BH	(60°-80°)	518.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	55.7	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°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
2.5°	746.5	777.8	793.4	809.1	814.3	819.5	819.5	816.9	816.9	816.9	822.1
5°	759.5	756.9	756.9	756.9	754.3	751.7	749.1	743.8	741.2	736.0	733.4
7.5°	696.9	749.1	751.7	754.3	754.3	751.7	756.9	762.1	756.9	749.1	738.6
10°	827.4	824.8	819.5	814.3	806.5	798.7	738.6	676.0	681.2	686.4	636.8
12.5°	717.7	767.3	788.2	809.1	811.7	811.7	769.9	725.6	668.2	610.7	587.2
15°	877.0	871.7	861.3	850.9	780.4	707.3	665.5	623.8	623.8	623.8	553.3
17.5°	738.6	736.0	783.0	830.0	803.9	777.8	717.7	657.7	569.0	477.6	535.0
20°	905.7	905.7	892.6	879.6	759.5	636.8	644.7	649.9	652.5	652.5	626.4
22.5°	759.5	754.3	759.5	762.1	762.1	762.1	652.5	542.9	602.9	660.3	600.3
25°	905.7	908.3	905.7	903.1	793.4	681.2	699.5	717.7	634.2	548.1	605.5
27.5°	790.8	788.2	775.2	762.1	764.7	767.3	709.9	649.9	683.8	717.7	657.7
30°	968.3	970.9	963.1	952.6	843.0	733.4	728.2	720.4	696.9	673.4	694.3
32.5°	1169.3	1169.3	1088.4	1007.5	939.6	869.1	811.7	754.3	777.8	801.3	775.2
35°	1276.3	1271.1	1245.0	1216.3	1091.0	963.1	884.8	803.9	811.7	816.9	816.9
37.5°	1466.8	1464.2	1427.7	1391.1	1221.5	1049.2	947.4	843.0	858.7	871.7	853.5
40°	1704.3	1704.3	1675.6	1644.3	1427.7	1208.4	1064.9	921.3	918.7	913.5	892.6
42.5°	1934.0	1941.8	1923.6	1905.3	1652.1	1399.0	1211.0	1023.1	999.6	976.1	955.3
45°	2085.4	2095.8	2111.5	2127.1	1876.6	1626.0	1406.8	1184.9	1140.6	1093.6	1057.0
47.5°	2239.4	2223.7	2244.6	2265.5	2051.5	1837.4	1597.3	1357.2	1284.1	1211.0	1171.9
50°	2382.9	2377.7	2385.5	2393.4	2218.5	2043.6	1795.7	1547.7	1459.0	1367.6	1323.3
52.5°	2570.8	2552.6	2542.1	2531.7	2382.9	2234.2	1999.3	1761.7	1657.3	1550.3	1498.1
55°	2750.9	2743.1	2727.4	2709.2	2581.3	2453.4	2205.4	1957.5	1847.9	1738.3	1678.2
57.5°	2936.2	2931.0	2928.4	2925.8	2813.6	2701.3	2448.2	2192.4	2067.1	1939.2	1889.6
60°	3111.1	3113.7	3134.6	3152.9	3066.7	2980.6	2724.8	2469.1	2309.8	2148.0	2098.4
62.5°	3215.5	3223.3	3275.5	3325.1	3278.2	3231.2	2967.6	2701.3	2534.3	2364.7	2330.7
65°	3082.4	3121.6	3272.9	3424.3	3424.3	3424.3	3184.2	2941.5	2795.3	2649.1	2620.4
67.5°	2784.9	2824.0	3040.6	3254.7	3366.9	3479.1	3322.5	3165.9	3066.7	2965.0	2928.4
70°	*2539.5*	*2563.0*	*2766.6*	*2967.6*	*3249.4*	*3531.3*	*3429.5*	*3325.1*	*3319.9*	*3312.1*	*3212.9*
72.5°	2333.3	2385.5	2552.6	2717.0	3105.9	3494.8	3492.2	3489.6	3596.6	3703.6	3513.1
75°	1866.1	1860.9	2017.5	2174.1	2612.6	3048.5	3293.8	3536.5	3844.5	4149.9	3857.6
77.5°	832.6	890.0	1038.8	1187.5	1581.7	1973.2	2445.6	2918.0	3596.6	4272.6	3975.0
80°	237.5	250.6	292.3	331.5	516.8	699.5	1195.4	1688.7	2542.1	3393.0	3192.0
82.5°	125.3	130.5	156.6	180.1	232.3	281.9	469.8	655.1	1388.5	2119.3	1936.6
85°	60.0	54.8	70.5	83.5	112.2	140.9	216.6	292.3	537.7	783.0	676.0
87.5°	13.0	13.0	15.7	15.7	23.5	31.3	47.0	62.6	60.0	54.8	65.2
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°	822.1	822.1	822.1	822.1	822.1	822.1	*822.1*	822.1	822.1	822.1	822.1
2.5°	824.8	827.4	830.0	827.4	824.8	822.1	*822.1*	819.5	819.5	816.9	811.7
5°	730.8	767.3	803.9	806.5	809.1	809.1	*806.5*	803.9	798.7	796.0	790.8
7.5°	728.2	715.1	702.1	704.7	707.3	709.9	*709.9*	702.1	699.5	678.6	657.7
10°	584.6	571.6	558.5	566.4	574.2	602.9	*618.6*	613.3	608.1	571.6	532.4
12.5°	563.8	558.5	553.3	514.2	475.0	508.9	*532.4*	529.8	522.0	488.1	454.1
15°	482.8	485.5	485.5	529.8	574.2	602.9	*623.8*	618.6	613.3	571.6	529.8
17.5°	589.9	561.1	529.8	522.0	514.2	527.2	*508.9*	480.2	498.5	493.3	488.1
20°	597.7	527.2	454.1	527.2	600.3	618.6	*657.7*	655.1	647.3	610.7	574.2
22.5°	540.3	582.0	621.2	582.0	542.9	516.8	*503.7*	498.5	495.9	506.3	514.2
25°	662.9	584.6	503.7	600.3	694.3	715.1	*725.6*	717.7	715.1	668.2	621.2
27.5°	595.1	636.8	678.6	709.9	741.2	767.3	*845.6*	769.9	767.3	723.0	676.0
30°	712.5	756.9	801.3	882.2	963.1	1007.5	*1023.1*	1017.9	1004.8	934.4	863.9
32.5°	749.1	837.8	923.9	960.5	994.4	1041.4	*1064.9*	1062.3	1049.2	965.7	879.6
35°	816.9	882.2	947.4	997.0	1044.0	1088.4	*1109.2*	1117.1	1101.4	997.0	890.0
37.5°	835.2	918.7	1002.2	1054.4	1106.6	1140.6	*1158.8*	1182.3	1164.1	1038.8	910.9
40°	871.7	970.9	1067.5	1119.7	1169.3	1200.6	*1231.9*	1260.6	1237.1	1085.8	931.8
42.5°	931.8	1033.6	1132.7	1192.8	1250.2	1294.6	*1331.1*	1370.2	1325.9	1130.1	931.8
45°	1020.5	1114.5	1208.4	1289.3	1367.6	1422.4	*1474.6*	1529.5	1440.7	1187.5	931.8
47.5°	1132.7	1224.1	1312.8	1440.7	1568.6	1618.2	*1680.8*	1733.0	1589.5	1260.6	931.8
50°	1276.3	1378.1	1479.9	1649.5	1816.6	1863.5	*1941.8*	1981.0	1787.8	1372.9	955.3
52.5°	1443.3	1555.6	1665.2	1863.5	2061.9	2140.2	*2244.6*	2270.7	1988.8	1485.1	978.7
55°	1618.2	1769.6	1918.3	2137.6	2354.2	2429.9	*2578.7*	2599.6	2247.2	1623.4	997.0
57.5°	1840.0	2017.5	2192.4	2406.4	2617.8	2724.8	*2957.1*	2965.0	2547.4	1793.1	1036.2
60°	2048.8	2270.7	2489.9	2693.5	2897.1	3064.1	*3333.0*	3335.6	2829.2	1921.0	1010.1
62.5°	2296.8	2560.4	2821.4	2996.3	3171.1	3377.3	*3701.0*	3654.0	3027.6	1936.6	845.6
65°	2589.1	2860.6	3132.0	3280.8	3426.9	3661.8	*4011.6*	3831.5	3082.4	1847.9	610.7
67.5°	2889.3	3142.4	3395.6	3513.1	3630.5	3928.0	*4238.6*	3852.4	3001.5	1714.8	425.4
70°	*3113.7*	*3351.2*	*3588.7*	*3690.5*	*3792.3*	*4113.4*	*4306.5*	*3716.6*	*2774.4*	*1552.9*	*331.5*
72.5°	3319.9	3544.4	3766.2	3818.4	3868.0	4032.4	*3962.0*	3275.5	2338.6	1307.6	274.0
75°	3565.3	3708.8	3849.7	3755.8	3661.8	3440.0	*3040.6*	2388.1	1712.2	973.5	234.9
77.5°	3677.5	3643.6	3607.0	3286.0	2965.0	2369.9	*1889.6*	1380.7	869.1	535.0	201.0
80°	2991.1	2855.3	2717.0	2179.3	1641.7	1122.3	*736.0*	467.2	318.4	240.1	161.8
82.5°	1751.3	1435.5	1119.7	822.1	524.6	368.0	*240.1*	190.5	148.8	140.9	130.5
85°	566.4	501.1	435.9	344.5	253.2	156.6	*91.3*	83.5	78.3	86.1	91.3
87.5°	75.7	75.7	73.1	54.8	33.9	18.3	*10.4*	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°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
2.5°	811.7	809.1	806.5	803.9	801.3	796.0	775.2	754.3	746.5	736.0	728.2
5°	764.7	738.6	720.4	702.1	694.3	683.8	686.4	689.0	691.6	691.6	691.6
7.5°	662.9	668.2	670.8	670.8	678.6	683.8	689.0	691.6	681.2	670.8	657.7
10°	527.2	519.4	529.8	537.7	550.7	561.1	595.1	629.0	660.3	691.6	704.7
12.5°	480.2	506.3	485.5	464.6	506.3	545.5	592.5	639.4	668.2	694.3	670.8
15°	488.1	443.7	448.9	451.5	503.7	553.3	524.6	495.9	576.8	655.1	678.6
17.5°	480.2	472.4	501.1	527.2	477.6	428.0	498.5	566.4	602.9	639.4	629.0
20°	519.4	462.0	462.0	462.0	506.3	550.7	516.8	482.8	522.0	561.1	626.4
22.5°	537.7	558.5	516.8	472.4	501.1	529.8	529.8	527.2	571.6	613.3	602.9
25°	542.9	464.6	501.1	535.0	516.8	495.9	519.4	540.3	553.3	566.4	623.8
27.5°	621.2	566.4	524.6	480.2	514.2	548.1	540.3	532.4	542.9	553.3	566.4
30°	736.0	608.1	561.1	511.6	493.3	472.4	495.9	516.8	555.9	595.1	647.3
32.5°	769.9	657.7	582.0	503.7	501.1	495.9	503.7	508.9	553.3	595.1	668.2
35°	764.7	636.8	563.8	488.1	472.4	456.7	469.8	480.2	545.5	610.7	681.2
37.5°	759.5	605.5	529.8	454.1	443.7	430.6	443.7	456.7	506.3	555.9	621.2
40°	751.7	569.0	495.9	420.2	407.2	394.1	407.2	417.6	456.7	495.9	548.1
42.5°	733.4	532.4	459.4	383.7	373.2	360.2	370.6	381.1	415.0	448.9	480.2
45°	712.5	490.7	420.2	349.7	339.3	328.9	336.7	341.9	373.2	401.9	417.6
47.5°	689.0	446.3	381.1	315.8	305.4	294.9	302.8	308.0	331.5	355.0	360.2
50°	683.8	409.8	349.7	287.1	279.3	268.8	274.0	279.3	297.5	313.2	313.2
52.5°	673.4	365.4	315.8	263.6	258.4	250.6	253.2	255.8	268.8	281.9	279.3
55°	665.5	334.1	289.7	245.3	240.1	232.3	234.9	237.5	250.6	261.0	258.4
57.5°	673.4	308.0	268.8	227.1	221.8	216.6	221.8	227.1	240.1	253.2	253.2
60°	647.3	281.9	245.3	208.8	206.2	201.0	214.0	224.5	245.3	263.6	268.8
62.5°	553.3	258.4	227.1	195.7	198.4	198.4	221.8	242.7	271.4	297.5	302.8
65°	425.4	240.1	214.0	185.3	198.4	211.4	242.7	274.0	300.1	326.2	318.4
67.5°	326.2	227.1	206.2	182.7	211.4	237.5	266.2	294.9	308.0	318.4	305.4
70°	*274.0*	*214.0*	*198.4*	*180.1*	*208.8*	*237.5*	*266.2*	*294.9*	*300.1*	*305.4*	*292.3*
72.5°	240.1	203.6	187.9	172.3	195.7	219.2	253.2	284.5	289.7	292.3	279.3
75°	214.0	190.5	172.3	154.0	177.5	198.4	232.3	266.2	271.4	274.0	263.6
77.5°	187.9	174.9	154.0	133.1	156.6	180.1	211.4	242.7	250.6	258.4	245.3
80°	156.6	148.8	133.1	117.4	143.5	167.0	195.7	224.5	232.3	240.1	227.1
82.5°	125.3	120.1	109.6	99.2	125.3	151.4	180.1	206.2	214.0	219.2	203.6
85°	91.3	91.3	86.1	80.9	107.0	130.5	148.8	167.0	164.4	161.8	151.4
87.5°	13.0	13.0	18.3	23.5	31.3	36.5	47.0	54.8	57.4	57.4	44.4
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°	822.1	822.1	822.1	822.1
2.5°	720.4	720.4	717.7	723.0
5°	691.6	694.3	694.3	696.9
7.5°	644.7	631.6	616.0	618.6
10°	717.7	720.4	723.0	723.0
12.5°	644.7	634.2	621.2	623.8
15°	699.5	707.3	715.1	717.7
17.5°	616.0	613.3	610.7	608.1
20°	689.0	702.1	715.1	715.1
22.5°	592.5	592.5	592.5	595.1
25°	681.2	696.9	709.9	709.9
27.5°	576.8	613.3	649.9	678.6
30°	696.9	704.7	712.5	715.1
32.5°	738.6	777.8	814.3	822.1
35°	749.1	767.3	783.0	790.8
37.5°	686.4	702.1	717.7	728.2
40°	597.7	610.7	623.8	631.6
42.5°	508.9	511.6	514.2	527.2
45°	433.3	420.2	407.2	404.5
47.5°	362.8	344.5	326.2	323.6
50°	310.6	294.9	279.3	279.3
52.5°	274.0	263.6	253.2	253.2
55°	255.8	250.6	242.7	242.7
57.5°	253.2	250.6	247.9	247.9
60°	271.4	274.0	274.0	274.0
62.5°	305.4	308.0	308.0	308.0
65°	308.0	302.8	297.5	297.5
67.5°	292.3	284.5	276.7	271.4
70°	*276.7*	*271.4*	*263.6*	*255.8*
72.5°	263.6	258.4	250.6	242.7
75°	250.6	242.7	232.3	227.1
77.5°	232.3	227.1	219.2	214.0
80°	211.4	206.2	198.4	187.9
82.5°	187.9	190.5	190.5	164.4
85°	138.3	130.5	120.1	99.2
87.5°	28.7	26.1	20.9	18.3
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)