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: P560369

Luminaire Tested: **SDL-PA1-40-730-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560369
	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-PA1-40-730-U-T3
Description:	Springdale
	(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4498.4 lumens
Efficiency:	N/A
Efficacy:	114.2 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:	B1 - U0 - G2

Input Watts (W):	39.4
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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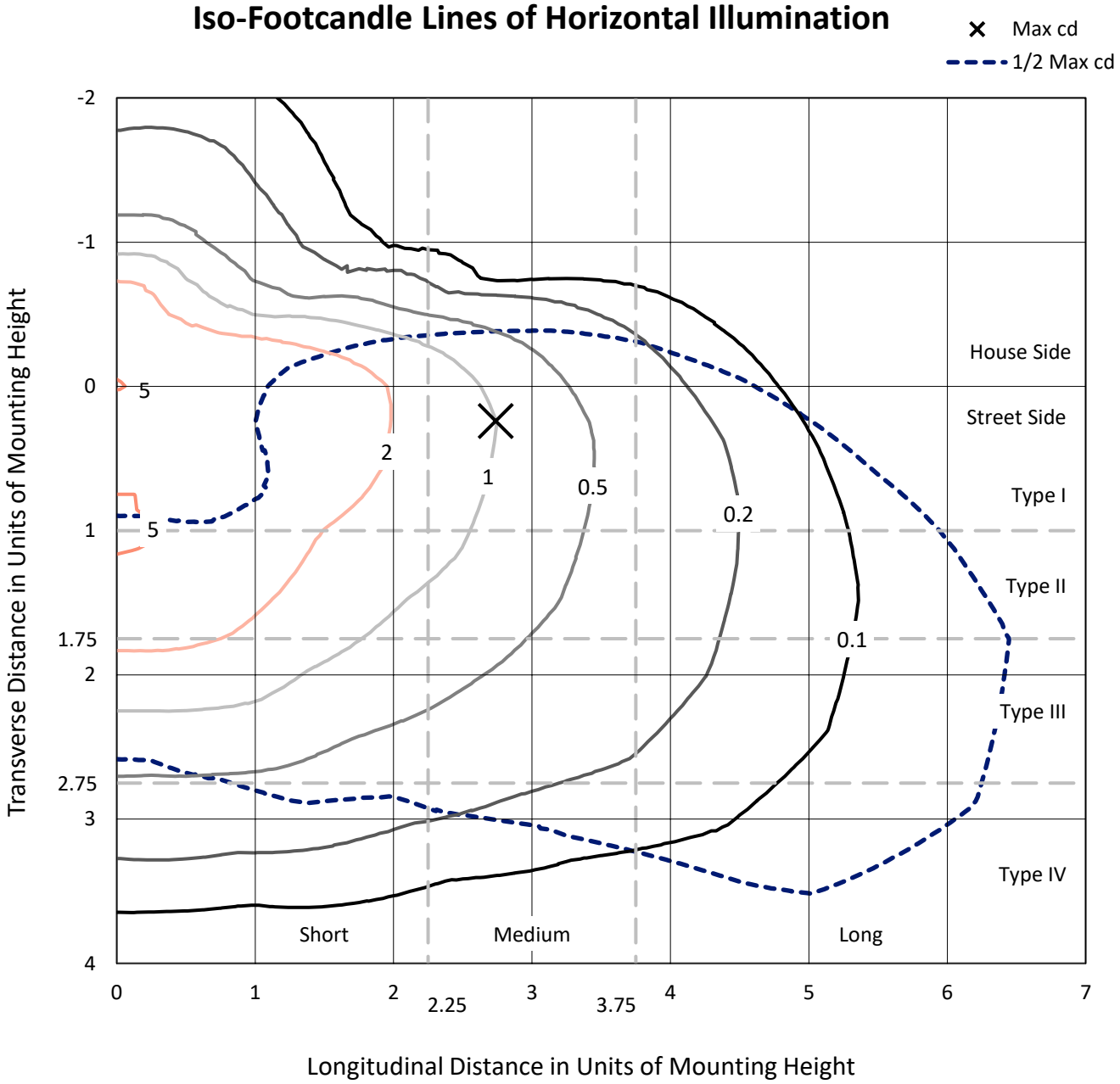
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type IV - Medium - N/A

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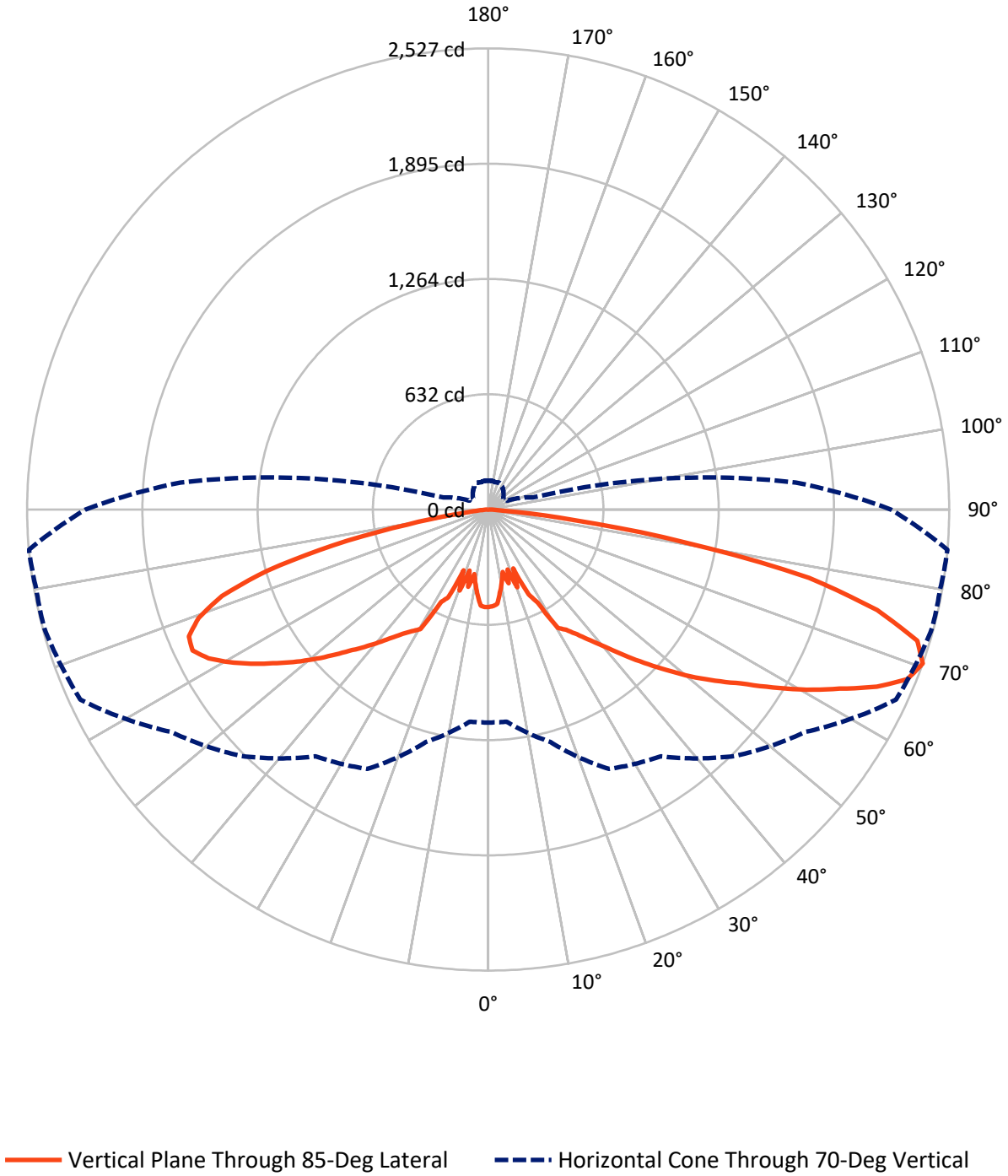
Luminous Intensity Polar Plot



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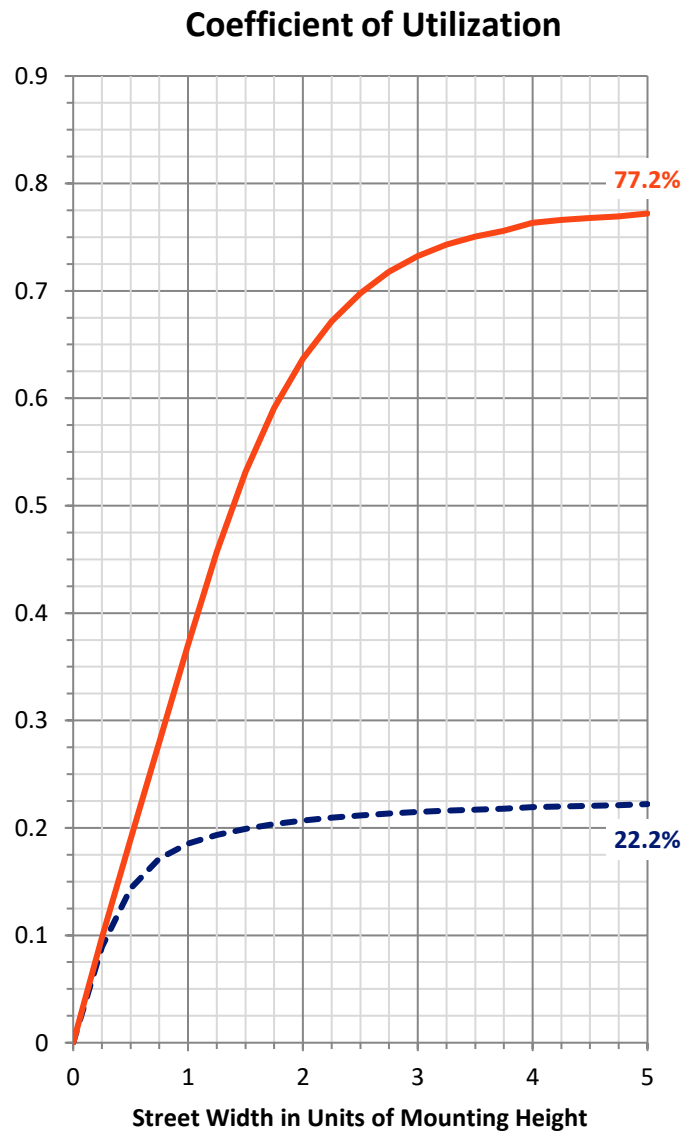
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1017.1	0.0	1017.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3481.3	0.0	3481.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	4498.4	0.0	4498.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.0
10°-20°	108.6	2.4
20°-30°	198.5	4.4
30°-40°	374.9	8.3
40°-50°	610.7	13.6
50°-60°	942.1	20.9
60°-70°	1154.8	25.7
70°-80°	904.4	20.1
80°-90°	161.0	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°	4498.4	100.0
0°-180°	4498.4	100.0



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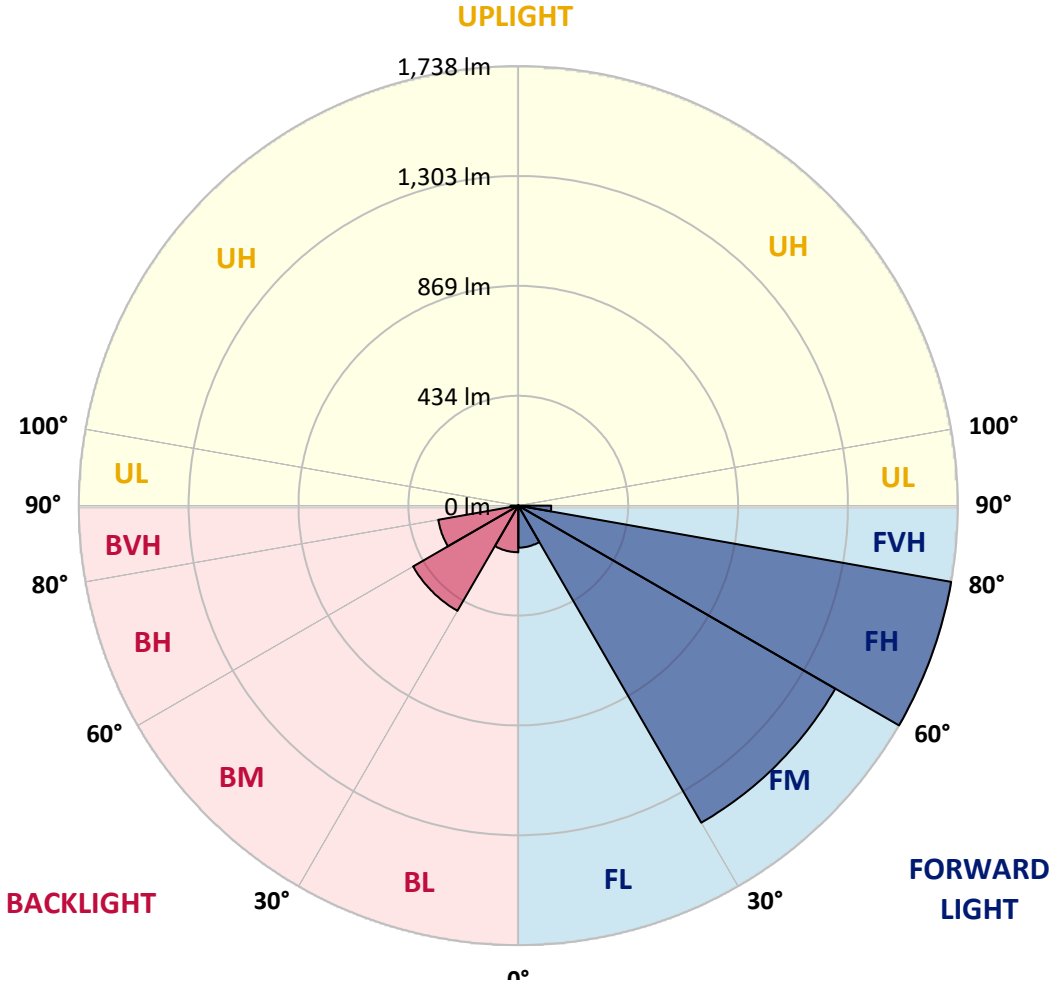
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	166.1	3.7			
FM	(30°-60°)	1447.2	32.2			
FH	(60°-80°)	1737.6	38.6			G1/1800
FVH	(80°-90°)	130.4	2.9			G2/225
BL	(0°-30°)	184.5	4.1	B1/500		
BM	(30°-60°)	480.5	10.7	B1/1000		
BH	(60°-80°)	321.6	7.1	B1/500		G1/500
BVH	(80°-90°)	30.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	440.6	480.1	480.1	480.1	488.3	494.9	498.2	499.8	506.4	511.3	514.6
5°	411.0	412.7	412.7	412.7	414.3	416.0	417.6	419.3	422.5	424.2	429.1
7.5°	345.3	351.8	365.0	376.5	384.7	393.0	399.5	404.5	407.7	411.0	412.7
10°	384.7	384.7	384.7	384.7	384.7	384.7	365.0	345.3	346.9	346.9	337.1
12.5°	322.3	332.1	346.9	360.1	371.6	381.4	368.3	355.1	330.5	305.8	305.8
15°	373.2	373.2	371.6	369.9	348.6	327.2	307.5	287.7	300.9	314.0	291.0
17.5°	320.6	322.3	342.0	360.1	356.8	351.8	333.8	314.0	282.8	249.9	282.8
20°	411.0	406.1	396.2	386.4	340.3	294.3	302.5	310.7	319.0	325.5	325.5
22.5°	378.2	381.4	388.0	394.6	389.7	383.1	335.4	287.7	315.7	343.6	319.0
25°	517.9	517.9	498.2	478.4	429.1	378.2	386.4	393.0	345.3	295.9	337.1
27.5°	478.4	475.2	466.9	457.1	466.9	475.2	432.4	388.0	401.2	414.3	379.8
30°	636.3	636.3	628.1	619.8	549.1	476.8	471.9	465.3	437.3	407.7	427.5
32.5°	762.9	761.2	723.4	685.6	646.1	605.0	562.3	517.9	514.6	511.3	508.0
35°	914.1	914.1	892.8	871.4	784.3	695.5	644.5	593.5	578.7	563.9	575.5
37.5°	999.6	1011.2	1002.9	993.1	897.7	800.7	730.0	657.7	642.9	628.1	633.0
40°	1118.0	1114.7	1113.1	1109.8	999.6	889.5	813.9	736.6	726.7	716.8	716.8
42.5°	1297.2	1279.1	1259.4	1238.0	1126.2	1014.4	930.6	845.1	827.0	807.3	808.9
45°	1543.9	1524.1	1478.1	1430.4	1317.0	1203.5	1091.7	979.9	948.7	915.8	912.5
47.5°	1695.1	1673.7	1650.7	1626.1	1504.4	1382.7	1267.6	1150.9	1104.9	1058.8	1040.7
50°	1851.3	1831.6	1813.5	1795.4	1688.5	1581.7	1466.6	1351.5	1279.1	1206.8	1175.6
52.5°	1999.3	1963.1	1945.0	1926.9	1836.5	1744.4	1624.4	1504.4	1450.1	1395.9	1328.5
55°	2071.6	2027.2	2020.7	2012.4	1945.0	1876.0	1760.9	1645.8	1585.0	1522.5	1455.1
57.5°	1969.7	1973.0	2009.1	2045.3	2007.5	1969.7	1861.2	1752.7	1691.8	1631.0	1580.0
60°	1877.6	1902.3	1946.7	1991.1	1994.4	1996.0	1938.4	1880.9	1813.5	1746.1	1706.6
62.5°	1751.0	1769.1	1838.2	1905.6	1956.5	2005.9	1946.7	1887.5	1864.5	1839.8	1815.1
65°	1580.0	1585.0	1663.9	1741.2	1833.2	1923.7	1877.6	1831.6	1871.0	1908.9	1912.1
67.5°	1371.2	1386.0	1463.3	1540.6	1652.4	1762.5	1760.9	1759.2	1843.1	1925.3	1982.8
70°	*1167.3*	*1167.3*	*1243.0*	*1318.6*	*1443.6*	*1568.5*	*1609.6*	*1650.7*	*1780.6*	*1910.5*	*2017.4*
72.5°	879.6	920.7	960.2	999.6	1139.4	1277.5	1367.9	1458.4	1652.4	1844.7	2007.5
75°	485.0	488.3	522.8	557.4	697.1	836.9	973.3	1109.8	1369.6	1629.3	1885.8
77.5°	159.5	154.5	174.3	192.4	274.6	355.1	470.2	585.3	871.4	1157.5	1570.2
80°	88.8	90.4	97.0	103.6	129.9	154.5	210.5	266.4	388.0	508.0	998.0
82.5°	59.2	60.8	67.4	74.0	85.5	97.0	128.2	157.8	169.3	179.2	450.5
85°	37.8	39.5	42.7	46.0	49.3	51.0	72.3	93.7	85.5	77.3	134.8
87.5°	8.2	8.2	9.9	9.9	11.5	13.2	16.4	19.7	18.1	14.8	19.7
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°	534.3	534.3	534.3	534.3	534.3	534.3	*534.3*	534.3	534.3	534.3	534.3
2.5°	516.3	519.6	521.2	522.8	524.5	527.8	*529.4*	531.1	534.3	536.0	536.0
5°	434.1	463.6	491.6	501.5	511.3	516.3	*519.6*	524.5	527.8	531.1	534.3
7.5°	414.3	416.0	417.6	429.1	440.6	450.5	*460.4*	463.6	471.9	466.9	460.4
10°	325.5	327.2	327.2	338.7	350.2	384.7	*407.7*	412.7	417.6	397.9	376.5
12.5°	304.2	312.4	320.6	315.7	310.7	335.4	*351.8*	358.4	361.7	348.6	335.4
15°	266.4	274.6	281.1	319.0	356.8	389.7	*419.3*	427.5	437.3	416.0	393.0
17.5°	315.7	312.4	307.5	314.0	320.6	328.8	*345.3*	350.2	350.2	356.8	363.4
20°	325.5	289.4	253.2	320.6	388.0	417.6	*455.4*	468.6	471.9	453.8	435.7
22.5°	292.7	333.8	374.9	366.6	358.4	350.2	*350.2*	355.1	360.1	363.4	366.6
25°	376.5	342.0	307.5	386.4	465.3	496.5	*514.6*	522.8	529.4	506.4	481.7
27.5°	345.3	391.3	435.7	470.2	504.8	539.3	*577.1*	613.3	568.9	547.5	526.1
30°	445.6	483.4	521.2	603.4	685.6	730.0	*753.0*	753.0	753.0	721.8	688.9
32.5°	504.8	570.5	636.3	680.7	723.4	767.8	*785.9*	785.9	785.9	748.1	708.6
35°	585.3	637.9	690.5	741.5	792.5	827.0	*840.2*	835.2	825.4	774.4	723.4
37.5°	637.9	708.6	779.3	831.9	882.9	904.3	*909.2*	894.4	879.6	812.2	743.2
40°	716.8	794.1	869.8	925.7	981.6	999.6	*989.8*	970.0	943.7	853.3	762.9
42.5°	808.9	886.2	963.5	1029.2	1093.4	1104.9	*1090.1*	1058.8	1012.8	889.5	764.5
45°	909.2	986.5	1062.1	1136.1	1210.1	1218.3	*1198.6*	1152.5	1085.1	924.0	762.9
47.5°	1021.0	1081.8	1142.7	1247.9	1353.1	1343.3	*1313.7*	1261.1	1172.3	965.1	756.3
50°	1144.3	1192.0	1238.0	1369.6	1501.1	1471.5	*1438.6*	1381.1	1264.3	1012.8	759.6
52.5°	1259.4	1305.5	1351.5	1488.0	1622.8	1594.8	*1558.7*	1507.7	1358.1	1063.8	767.8
55°	1387.7	1437.0	1486.3	1631.0	1775.7	1728.0	*1682.0*	1649.1	1450.1	1106.5	762.9
57.5°	1527.4	1589.9	1652.4	1785.5	1917.1	1866.1	*1839.8*	1797.1	1552.1	1157.5	762.9
60°	1667.2	1742.8	1818.4	1935.2	2051.9	2010.8	*2005.9*	1946.7	1647.4	1195.3	741.5
62.5°	1790.5	1903.9	2017.4	2109.4	2199.9	2160.4	*2162.1*	2093.0	1736.2	1203.5	669.2
65°	1915.4	2061.8	2206.4	2273.9	2341.3	2313.3	*2341.3*	2218.0	1795.4	1170.6	545.9
67.5°	2038.7	2199.9	2361.0	2412.0	2462.9	2446.5	*2479.4*	2259.1	1782.3	1085.1	386.4
70°	*2124.2*	*2295.2*	*2466.2*	*2492.5*	*2518.8*	*2515.5*	*2527.1*	*2208.1*	*1693.5*	*975.0*	*254.8*
72.5°	2170.3	2331.4	2490.9	2502.4	2512.3	2507.3	*2459.6*	2048.6	1534.0	855.0	175.9
75°	2140.7	2296.9	2453.1	2430.0	2407.0	2361.0	*2201.5*	1764.2	1257.8	693.8	129.9
77.5°	1982.8	2152.2	2321.5	2262.3	2201.5	2066.7	*1798.7*	1321.9	874.7	488.3	100.3
80°	1488.0	1696.8	1905.6	1834.9	1762.5	1478.1	*1095.0*	739.9	452.1	264.7	77.3
82.5°	720.1	836.9	953.6	935.5	917.4	679.0	*473.5*	266.4	129.9	95.4	60.8
85°	190.7	282.8	374.9	358.4	342.0	180.9	*78.9*	69.1	51.0	47.7	42.7
87.5°	23.0	26.3	28.0	19.7	9.9	8.2	*8.2*	4.9	4.9	6.6	6.6
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°	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3	534.3
2.5°	539.3	540.9	540.9	540.9	540.9	540.9	527.8	514.6	511.3	508.0	501.5
5°	519.6	503.1	491.6	480.1	480.1	478.4	483.4	488.3	491.6	493.2	494.9
7.5°	462.0	463.6	473.5	481.7	490.0	496.5	501.5	504.8	501.5	496.5	476.8
10°	378.2	379.8	388.0	394.6	406.1	416.0	443.9	470.2	501.5	532.7	540.9
12.5°	360.1	383.1	369.9	356.8	393.0	427.5	463.6	498.2	522.8	545.9	529.4
15°	366.6	340.3	345.3	350.2	394.6	439.0	412.7	384.7	450.5	516.3	531.1
17.5°	365.0	365.0	389.7	414.3	373.2	330.5	391.3	450.5	476.8	501.5	481.7
20°	389.7	342.0	360.1	376.5	409.4	440.6	414.3	388.0	397.9	407.7	471.9
22.5°	406.1	443.9	402.8	360.1	389.7	419.3	414.3	409.4	439.0	468.6	452.1
25°	424.2	365.0	394.6	422.5	389.7	355.1	381.4	406.1	397.9	389.7	440.6
27.5°	486.7	445.6	407.7	369.9	389.7	407.7	388.0	366.6	374.9	383.1	379.8
30°	588.6	486.7	439.0	391.3	366.6	340.3	342.0	343.6	353.5	363.4	391.3
32.5°	614.9	521.2	452.1	383.1	366.6	350.2	335.4	319.0	333.8	348.6	381.4
35°	621.5	517.9	443.9	369.9	343.6	317.3	307.5	297.6	322.3	346.9	376.5
37.5°	618.2	491.6	412.7	333.8	314.0	294.3	289.4	282.8	299.2	314.0	335.4
40°	610.0	457.1	378.2	299.2	282.8	266.4	263.1	259.8	271.3	282.8	295.9
42.5°	595.2	424.2	345.3	266.4	254.8	243.3	240.0	235.1	245.0	254.8	259.8
45°	577.1	391.3	317.3	241.7	233.5	223.6	218.7	212.1	222.0	230.2	231.8
47.5°	559.0	360.1	292.7	223.6	217.0	208.8	203.9	197.3	205.5	212.1	213.7
50°	544.2	327.2	266.4	205.5	198.9	192.4	187.4	182.5	190.7	197.3	197.3
52.5°	536.0	302.5	243.3	184.1	180.9	177.6	175.9	172.6	179.2	185.8	187.4
55°	516.3	268.0	217.0	164.4	166.1	166.1	164.4	161.1	174.3	185.8	190.7
57.5°	494.9	226.9	189.1	149.6	152.9	156.2	157.8	159.5	174.3	187.4	194.0
60°	466.9	192.4	164.4	136.5	141.4	144.7	152.9	159.5	172.6	185.8	189.1
62.5°	417.6	164.4	144.7	125.0	131.5	138.1	148.0	157.8	167.7	177.6	177.6
65°	345.3	143.0	129.9	115.1	125.0	133.2	144.7	156.2	164.4	171.0	169.3
67.5°	258.1	128.2	118.4	106.9	118.4	128.2	138.1	148.0	157.8	167.7	164.4
70°	*185.8*	*115.1*	*108.5*	*100.3*	*110.2*	*120.0*	*129.9*	*139.8*	*149.6*	*159.5*	*157.8*
72.5°	141.4	105.2	98.6	92.1	101.9	110.2	121.7	133.2	143.0	152.9	149.6
75°	113.4	95.4	90.4	83.9	93.7	103.6	115.1	125.0	134.8	144.7	141.4
77.5°	93.7	85.5	80.6	75.6	83.9	92.1	103.6	115.1	125.0	133.2	129.9
80°	75.6	72.3	69.1	64.1	74.0	82.2	93.7	103.6	111.8	120.0	115.1
82.5°	59.2	57.5	55.9	52.6	60.8	69.1	80.6	92.1	98.6	105.2	101.9
85°	44.4	44.4	42.7	41.1	47.7	52.6	59.2	64.1	70.7	75.6	72.3
87.5°	6.6	6.6	9.9	11.5	11.5	11.5	16.4	21.4	21.4	19.7	16.4
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°	534.3	534.3	534.3	534.3
2.5°	494.9	494.9	494.9	496.5
5°	496.5	498.2	498.2	501.5
7.5°	455.4	453.8	452.1	452.1
10°	547.5	550.8	552.4	555.7
12.5°	511.3	491.6	471.9	471.9
15°	545.9	549.1	550.8	554.1
17.5°	462.0	460.4	458.7	455.4
20°	534.3	537.6	539.3	539.3
22.5°	435.7	435.7	434.1	434.1
25°	491.6	491.6	491.6	494.9
27.5°	374.9	386.4	397.9	412.7
30°	419.3	420.9	422.5	422.5
32.5°	414.3	435.7	457.1	460.4
35°	406.1	406.1	404.5	406.1
37.5°	356.8	351.8	345.3	348.6
40°	307.5	295.9	284.4	282.8
42.5°	264.7	254.8	243.3	243.3
45°	233.5	226.9	218.7	215.4
47.5°	213.7	207.2	200.6	198.9
50°	195.7	189.1	182.5	182.5
52.5°	189.1	184.1	177.6	175.9
55°	195.7	185.8	175.9	172.6
57.5°	198.9	187.4	175.9	171.0
60°	190.7	184.1	175.9	169.3
62.5°	175.9	172.6	169.3	166.1
65°	166.1	166.1	164.4	161.1
67.5°	161.1	162.8	162.8	159.5
70°	*154.5*	*157.8*	*159.5*	*156.2*
72.5°	146.3	148.0	148.0	143.0
75°	136.5	134.8	133.2	129.9
77.5°	125.0	123.3	120.0	116.7
80°	110.2	108.5	106.9	101.9
82.5°	97.0	100.3	101.9	83.9
85°	67.4	60.8	54.3	44.4
87.5°	13.2	9.9	4.9	4.9
90°	0.0	0.0	0.0	0.0

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