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: P266183

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T2U-FL-7027**

Issue Date: 3/3/2020

Report Generated By E9812814

Test Information

Test Method:	LM-79-08
Report Number:	P266183
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-32)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	LXF.LXT-AF24-80-D-U-T2U-FL-7027
Description:	DECORATIVE POST TOP LUMINAIRE
	(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS AND FROSTED LENS PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6592.6 lumens
Efficiency:	N/A
Efficacy:	79.4 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification:	Type II - Short - Non-Cutoff
BUG Rating:	B2 - U3 - G3

Input Watts (W):	83
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:	28.75 FT

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Scaled Data Report

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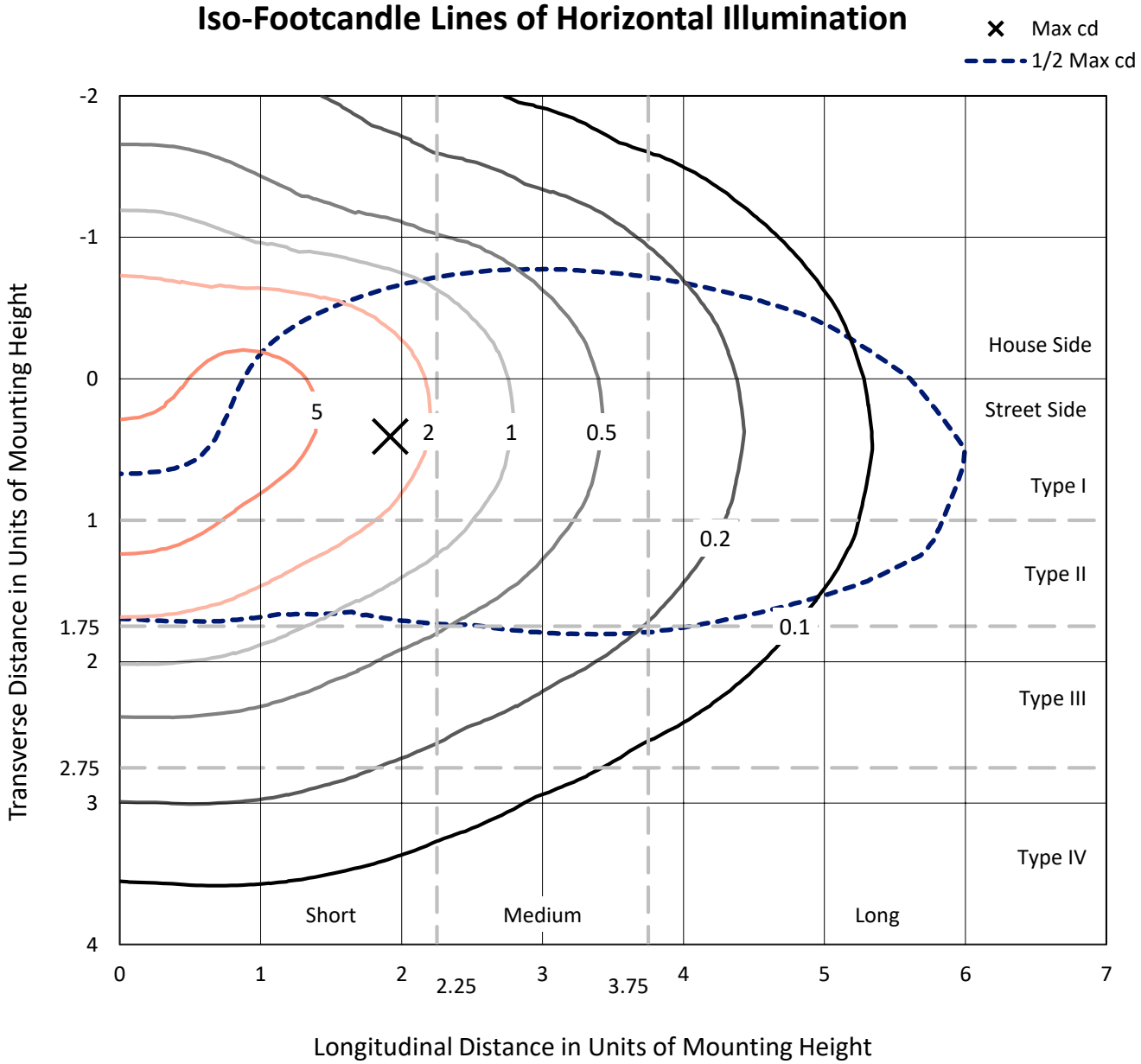
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type II - Short - Non-Cutoff

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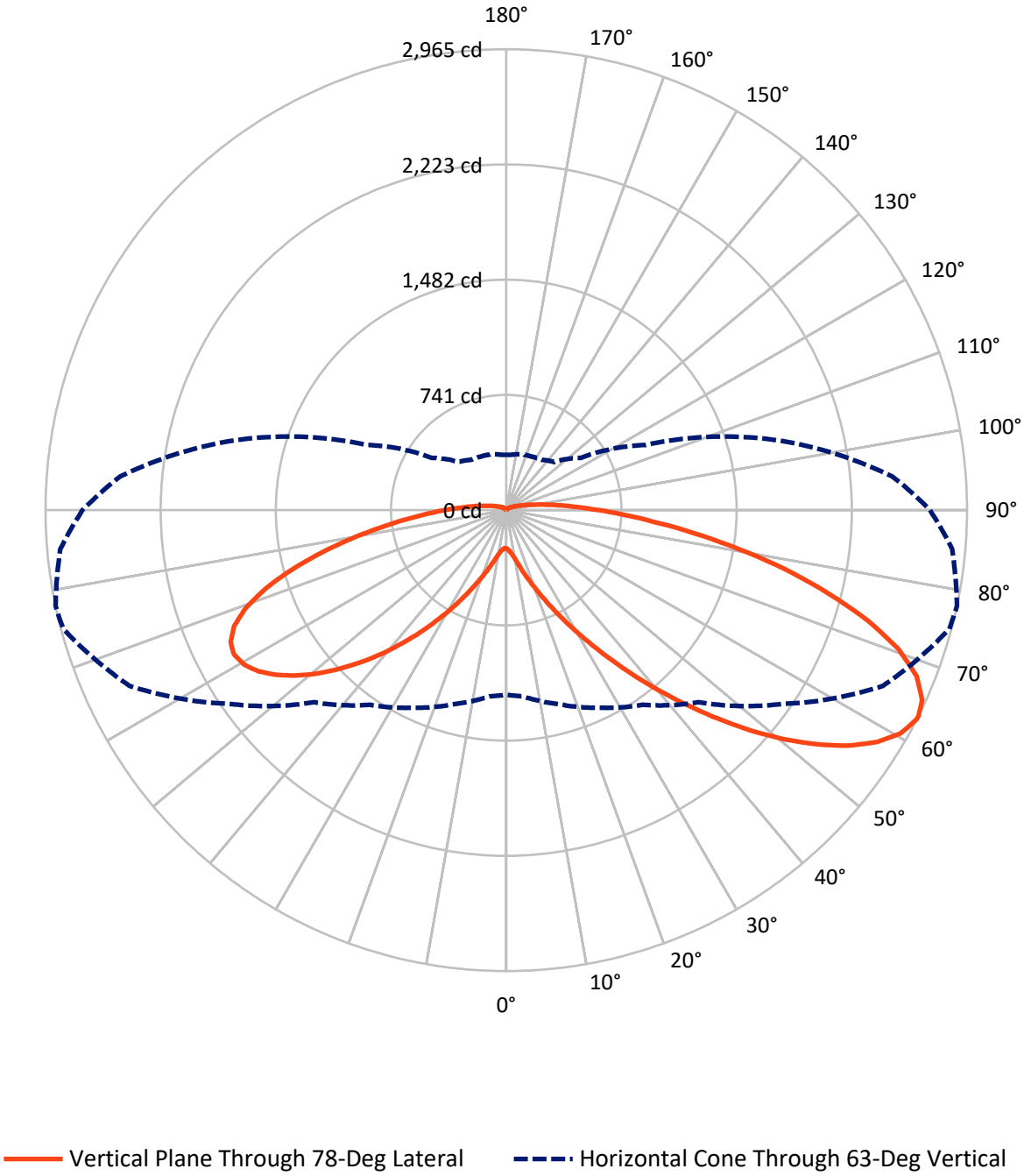
Luminous Intensity Polar Plot



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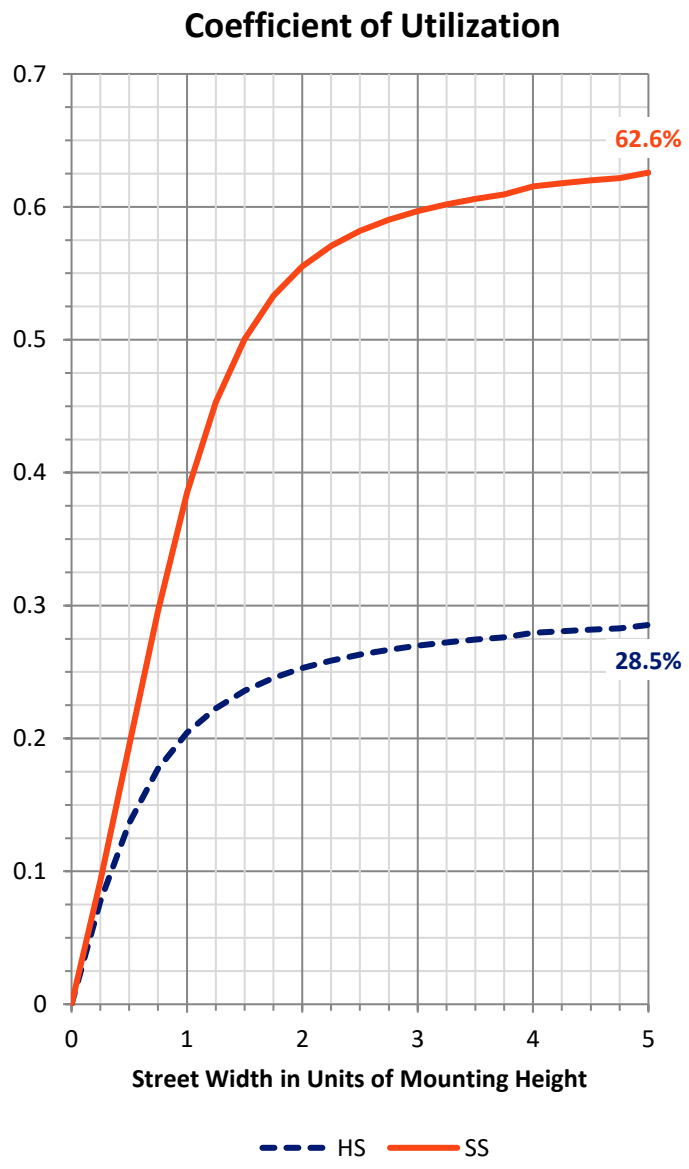
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1958.3	179.0	2137.3
	% Fixture	29.7	2.7	32.4
Street Side	Lumens	4233.6	221.7	4455.2
	% Fixture	64.2	3.4	67.6
Total	Lumens	6191.9	400.7	6592.6
	% Fixture	93.9	6.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	0.4
10°-20°	112.3	1.7
20°-30°	293.7	4.5
30°-40°	609.8	9.2
40°-50°	1027.1	15.6
50°-60°	1350.0	20.5
60°-70°	1336.7	20.3
70°-80°	951.6	14.4
80°-90°	484.3	7.3
90°-100°	210.7	3.2
100°-110°	96.4	1.5
110°-120°	49.0	0.7
120°-130°	26.1	0.4
130°-140°	13.0	0.2
140°-150°	4.6	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6191.9	93.9
0°-180°	6592.6	100.0



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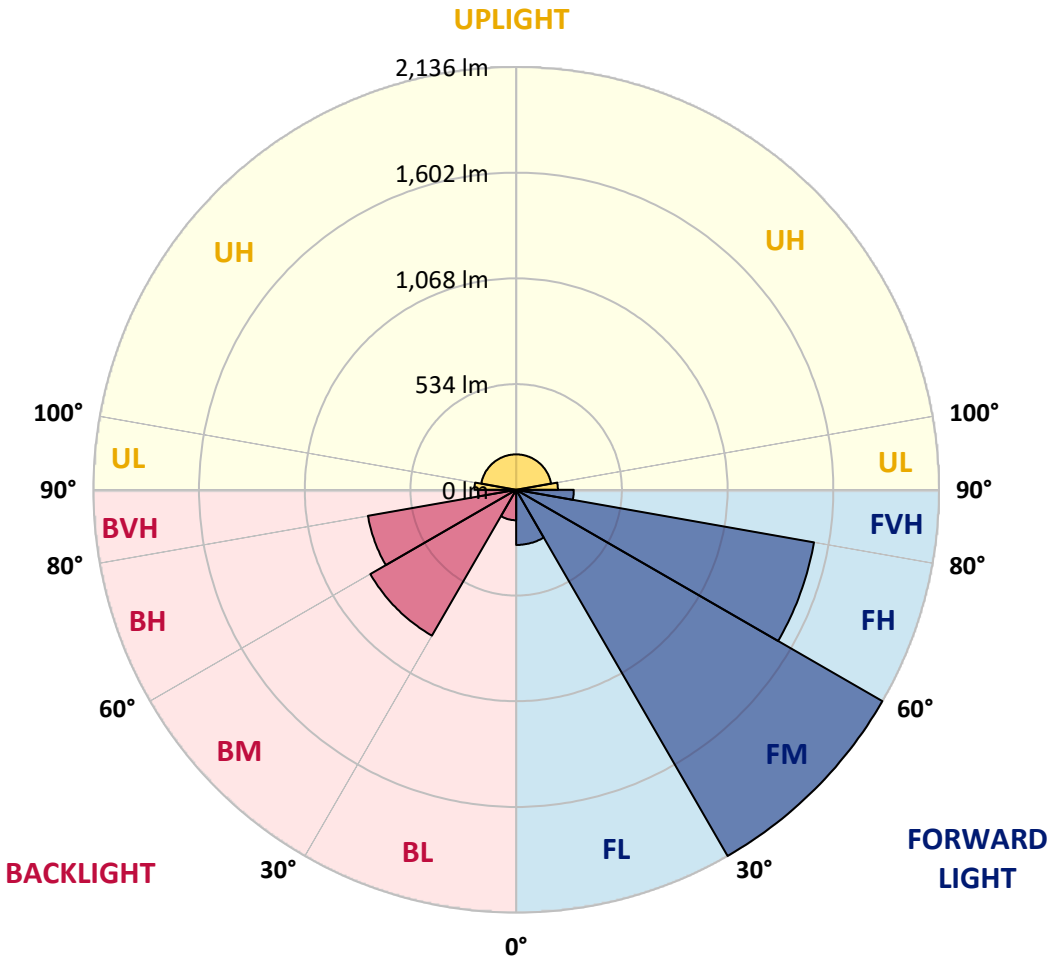
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	278.6	4.2			
FM	(30°-60°)	2136.2	32.4			
FH	(60°-80°)	1527.9	23.2			G1/1800
FVH	(80°-90°)	290.9	4.4			G3/500
BL	(0°-30°)	153.6	2.3	B1/500		
BM	(30°-60°)	850.7	12.9	B1/1000		
BH	(60°-80°)	760.5	11.5	B2/1000		G2/1000
BVH	(80°-90°)	193.5	2.9			G2/225
UL	(90°-100°)	210.7	3.2		U3/500	
UH	(100°-180°)	179.0	2.7		U3/500	

BUG Rating: B2-U3-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	*246.8*	246.8
2.5°	273.8	274.6	274.6	272.9	271.4	268.2	265.0	261.0	255.5	*254.7*	250.6
5°	306.4	307.2	306.4	303.2	300.0	294.5	288.0	280.9	271.4	*270.6*	263.5
7.5°	346.1	346.9	346.1	340.6	335.1	327.2	318.4	307.9	294.5	*292.0*	282.5
10°	395.6	397.1	394.7	390.0	380.4	368.5	357.3	342.3	327.9	*322.3*	310.4
12.5°	458.5	458.5	453.6	446.5	434.5	419.4	405.0	386.8	370.9	*362.9*	350.2
15°	528.5	529.2	523.0	514.1	501.4	478.3	462.4	443.4	423.5	*416.3*	397.9
17.5°	608.8	610.4	602.5	589.7	572.2	549.1	529.2	507.0	483.8	*472.0*	452.8
20°	702.7	702.7	694.0	677.3	655.0	629.5	604.1	578.6	553.1	*538.9*	519.0
22.5°	809.5	809.5	799.0	776.8	745.0	717.0	689.2	660.6	632.8	*617.6*	592.2
25°	932.8	937.6	917.7	889.9	854.0	814.9	787.2	753.7	723.5	*706.7*	678.8
27.5°	1072.0	1074.5	1049.8	1008.3	962.3	921.7	890.6	860.3	826.9	*809.5*	776.0
30°	1221.7	1216.8	1194.6	1145.2	1084.8	1035.4	1004.3	976.5	938.3	*924.7*	888.2
32.5°	1382.4	1379.3	1350.6	1282.9	1217.7	1157.9	1124.6	1107.0	1068.9	*1053.7*	1014.7
35°	1551.9	1546.3	1512.1	1441.3	1355.4	1290.1	1259.9	1251.1	1216.0	*1200.9*	1154.1
37.5°	1729.4	1716.8	1673.7	1583.8	1494.6	1425.4	1411.9	1399.1	1376.1	*1360.2*	1304.3
40°	1871.1	1865.5	1822.5	1728.6	1632.3	1574.2	1565.4	1574.2	1551.9	*1533.6*	1469.2
42.5°	1985.8	1981.8	1947.4	1855.2	1758.9	1705.5	1715.1	1743.7	1736.7	*1718.3*	1646.7
45°	2065.3	2061.3	2036.6	1957.0	1868.7	1829.7	1872.6	1925.2	1930.0	*1914.8*	1830.4
47.5°	2093.1	2090.7	2077.2	2019.1	1951.5	1942.0	2027.0	2109.8	2129.7	*2117.0*	2021.5
50°	2057.3	2058.9	2063.6	2037.4	1996.0	2023.2	2148.8	2285.7	2328.6	*2314.5*	2212.5
52.5°	1965.0	1970.6	1993.7	2002.4	1996.0	2065.3	2250.8	2444.8	2518.0	*2502.1*	2397.1
55°	1823.3	1831.3	1871.9	1917.3	1950.0	2062.1	2314.5	2579.5	2684.4	*2673.4*	2564.3
57.5°	1637.2	1653.1	1707.9	1788.3	1854.5	2012.7	2332.7	2671.6	2820.6	*2812.7*	2706.8
60°	1431.0	1444.6	1520.1	1625.2	1720.7	1916.4	2293.0	2711.5	2912.8	*2915.3*	2815.0
62.5°	1226.5	1241.5	1330.7	1439.8	1561.6	1777.9	2198.2	2687.6	2951.1	*2963.0*	2876.3
63°	*1186.7*	*1201.8*	*1291.0*	*1402.3*	*1528.0*	*1746.9*	*2172.7*	*2674.2*	*2951.1*	*2964.5*	*2880.2*
65°	1032.2	1046.5	1134.9	1251.1	1384.0	1611.6	2049.4	2594.6	2919.2	*2940.0*	2873.9
67.5°	852.4	867.6	956.7	1071.3	1199.3	1420.6	1855.2	2430.5	2810.2	*2847.5*	2805.4
70°	700.4	716.3	797.4	905.8	1025.1	1226.5	1633.1	2210.1	2635.1	*2675.7*	2659.8
72.5°	577.0	590.5	670.1	760.9	867.6	1046.5	1405.5	1944.3	2384.5	*2433.8*	2443.3
75°	471.2	485.4	555.5	636.7	730.6	881.0	1185.0	1663.3	2074.0	*2142.5*	2169.5
77.5°	384.5	397.9	460.0	530.9	610.4	733.7	982.0	1384.7	1755.6	*1838.4*	1873.4
80°	313.6	326.4	377.3	441.6	509.3	608.8	804.6	1115.9	1440.5	*1515.4*	1551.9
82.5°	254.7	265.8	310.4	366.9	424.2	504.6	656.7	892.9	1150.8	*1213.7*	1233.6
85°	205.4	214.9	254.7	304.0	352.6	414.7	530.9	706.0	900.1	*949.5*	974.1
87.5°	163.9	171.9	207.7	250.6	292.0	348.6	429.7	562.7	696.4	*732.9*	748.8
90°	132.9	139.2	168.7	205.4	242.7	284.1	348.6	437.7	535.6	*561.9*	572.9
92.5°	108.2	112.9	139.2	169.5	202.9	240.3	284.1	346.1	412.2	*429.7*	436.9
95°	90.6	92.3	115.4	141.7	168.7	200.5	232.4	275.4	318.4	*330.2*	333.5
97.5°	74.0	76.4	96.3	120.2	143.3	167.2	190.3	220.4	247.6	*254.7*	255.5
100°	63.7	64.5	81.1	102.6	122.6	141.7	158.5	176.6	192.5	*195.0*	196.5
102.5°	54.1	54.9	69.2	89.1	105.8	121.8	134.4	144.8	151.3	*152.1*	152.1
105°	46.9	47.8	59.6	77.3	92.3	104.3	114.7	118.5	120.2	*119.4*	119.4
107.5°	42.2	42.2	52.6	67.6	81.1	91.5	97.8	98.6	96.3	*94.7*	94.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	37.4	38.2	46.2	60.5	72.5	80.4	85.2	82.7	78.1	*76.4*	76.4
112.5°	34.2	35.0	40.7	53.3	63.7	71.7	74.0	70.1	63.7	*62.1*	62.9
115°	31.8	31.8	36.7	46.9	57.3	63.7	64.5	59.6	52.6	*51.7*	52.6
117.5°	29.5	29.5	32.6	42.2	50.9	56.6	56.6	50.9	44.6	*42.9*	43.7
120°	27.8	27.8	30.3	37.4	45.4	50.1	49.3	43.7	37.4	*37.4*	38.2
122.5°	26.3	26.3	27.8	33.4	40.7	44.6	43.7	37.4	31.8	*31.8*	32.6
125°	24.7	24.7	25.4	30.3	35.8	38.9	38.2	31.8	27.8	*27.8*	28.7
127.5°	23.0	23.0	23.9	27.0	31.8	34.2	32.6	27.0	24.7	*24.7*	25.4
130°	22.3	22.3	22.3	23.9	27.8	30.3	27.8	23.0	21.5	*21.5*	22.3
132.5°	20.8	20.8	20.8	21.5	23.9	25.4	23.9	19.9	19.1	*19.1*	19.9
135°	19.9	19.9	19.1	19.1	20.8	21.5	19.1	16.7	16.7	*16.7*	17.4
137.5°	18.3	18.3	17.4	16.7	17.4	17.4	15.9	13.6	14.4	*14.4*	15.1
140°	16.7	16.7	15.9	14.4	13.6	13.6	11.9	11.1	11.9	*11.9*	12.8
142.5°	14.4	14.4	13.6	11.9	10.3	9.5	8.8	8.8	9.5	*9.5*	10.3
145°	11.9	11.9	11.1	9.5	7.9	7.1	6.4	6.4	7.1	*7.1*	7.9
147.5°	9.5	9.5	8.8	7.1	5.6	4.0	4.0	4.9	5.6	*5.6*	5.6
150°	7.9	7.9	7.1	5.6	3.1	2.3	1.5	2.3	3.1	*3.1*	3.1
152.5°	5.6	5.6	4.9	3.1	2.3	0.8	0.8	1.5	2.3	*2.3*	2.3
155°	3.1	3.1	2.3	1.5	0.8	0.8	0.8	0.8	1.5	*1.5*	1.5
157.5°	1.5	1.5	0.8	0.8	0.0	0.8	0.8	0.8	0.8	*0.8*	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	*0.0*	0.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	*0.0*	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8	246.8
2.5°	249.1	247.6	243.5	239.6	236.3	234.0	232.4	230.0	229.2	228.3	228.3
5°	259.4	255.5	248.3	241.1	234.7	229.2	224.4	220.4	218.1	216.5	217.3
7.5°	276.1	269.9	259.4	248.3	238.1	230.0	222.8	218.1	214.1	211.7	211.7
10°	302.4	293.7	277.8	261.9	249.1	237.2	228.3	221.3	216.5	214.1	214.1
12.5°	339.7	328.7	306.4	284.1	266.5	250.6	239.6	232.4	230.9	228.3	228.3
15°	384.5	370.9	343.8	315.1	291.3	269.9	260.2	254.0	249.9	246.8	246.8
17.5°	436.9	419.4	385.3	350.2	320.8	298.4	282.5	273.8	269.0	266.5	266.5
20°	497.4	475.9	433.7	390.0	353.4	329.5	307.9	294.5	289.8	287.3	286.5
22.5°	567.5	541.1	490.3	435.4	392.4	360.5	335.1	315.1	309.6	307.2	305.7
25°	651.0	621.5	554.0	487.2	433.7	390.0	359.0	336.7	328.7	326.4	325.5
27.5°	745.0	709.1	626.4	544.4	472.8	416.3	379.7	356.5	346.1	343.1	343.8
30°	849.9	807.8	706.0	602.5	511.0	440.1	396.3	371.7	360.5	357.3	357.3
32.5°	966.9	911.3	792.7	663.8	546.8	460.0	410.6	385.3	371.7	369.4	369.4
35°	1095.9	1037.8	886.5	725.8	578.6	475.9	421.0	395.6	381.2	378.0	378.0
37.5°	1244.0	1167.5	986.1	785.5	605.6	487.9	428.2	401.9	387.6	382.8	382.8
40°	1394.3	1306.0	1089.6	842.0	628.8	495.1	432.2	405.0	391.7	385.3	384.5
42.5°	1559.1	1448.4	1195.4	893.8	644.7	499.0	433.0	407.6	393.2	385.3	383.5
45°	1730.2	1610.8	1293.3	938.3	656.7	499.0	432.2	406.8	393.2	382.8	381.2
47.5°	1902.9	1767.7	1395.2	975.6	662.2	496.7	430.6	405.9	392.4	379.7	378.0
50°	2082.8	1924.3	1491.5	1005.2	661.3	491.8	426.5	403.5	389.1	375.6	374.1
52.5°	2251.5	2068.4	1579.8	1025.9	656.7	484.6	421.8	401.2	386.8	371.7	370.1
55°	2415.5	2213.3	1656.2	1037.1	646.2	475.9	417.1	397.9	384.5	367.6	366.9
57.5°	2547.6	2335.1	1715.9	1036.3	631.1	464.9	411.5	393.9	381.2	365.3	363.8
60°	2655.7	2433.0	1754.1	1024.2	612.9	453.6	405.0	389.1	378.0	362.1	359.7
62.5°	2719.4	2487.9	1763.6	998.8	590.5	440.9	396.3	382.0	372.4	358.2	355.8
63°	*2726.6*	*2492.6*	*1761.2*	*992.4*	*585.8*	*437.7*	*394.7*	*381.2*	*371.7*	*357.3*	*355.0*
65°	2724.3	2491.1	1738.2	959.7	565.0	425.0	386.8	374.1	366.1	352.6	350.2
67.5°	2662.1	2430.5	1673.0	905.8	534.9	408.3	374.1	363.8	355.8	343.8	341.4
70°	2527.7	2301.6	1563.1	838.1	501.4	389.1	358.2	350.2	342.3	331.0	327.9
72.5°	2328.6	2111.5	1415.9	765.6	466.4	366.9	340.6	332.6	326.4	316.7	311.3
75°	2069.2	1870.4	1245.5	684.5	428.2	343.8	319.2	312.8	304.9	296.0	291.3
77.5°	1767.7	1594.9	1065.7	600.8	389.1	317.6	296.0	289.0	281.8	272.1	265.8
80°	1462.8	1318.0	887.3	519.7	350.2	289.8	270.6	264.2	255.5	245.1	238.8
82.5°	1173.0	1060.1	725.8	444.9	312.0	261.9	244.2	236.3	226.8	216.5	212.4
85°	916.0	833.3	584.9	377.3	274.6	234.0	218.1	210.2	198.2	186.2	181.5
87.5°	706.7	646.2	469.5	317.6	240.3	206.9	191.0	181.5	170.3	158.5	154.4
90°	541.9	500.5	375.6	267.4	209.3	179.9	167.2	158.5	145.6	133.7	130.6
92.5°	415.5	387.6	301.7	225.2	179.0	157.7	146.5	136.9	124.1	112.2	109.9
95°	319.2	300.8	243.5	188.6	155.1	137.7	128.2	117.8	105.0	94.0	91.5
97.5°	247.6	234.7	196.5	159.2	134.4	120.2	112.2	101.9	89.1	78.8	77.3
100°	191.8	183.9	160.0	133.7	117.0	105.0	97.0	88.4	76.4	65.2	65.2
102.5°	149.6	144.8	131.3	114.7	101.9	93.2	86.0	76.4	64.5	55.8	54.9
105°	118.5	116.2	108.2	97.8	89.1	81.9	75.5	66.0	54.9	46.9	46.9
107.5°	94.7	94.0	89.9	83.5	78.1	72.5	66.8	57.3	46.9	40.7	40.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77.3	77.3	75.5	71.7	68.5	63.7	58.1	50.1	39.7	35.0	35.0
112.5°	63.7	64.5	63.7	62.1	60.5	56.6	51.7	42.9	34.2	31.0	31.0
115°	53.3	54.1	54.1	54.1	53.3	50.1	45.4	37.4	29.5	27.0	27.0
117.5°	45.4	46.2	46.9	46.9	46.2	43.7	39.7	32.6	25.4	23.9	24.7
120°	38.9	39.7	40.7	41.4	40.7	38.9	34.2	27.8	22.3	21.5	21.5
122.5°	34.2	35.0	35.0	35.8	35.8	34.2	30.3	23.9	19.1	19.1	19.1
125°	29.5	30.3	31.0	31.0	31.8	29.5	25.4	19.9	16.7	16.7	17.4
127.5°	26.3	26.3	26.3	27.0	27.0	25.4	22.3	16.7	14.4	15.1	15.1
130°	23.0	23.0	23.9	23.9	23.9	22.3	18.3	14.4	12.8	13.6	13.6
132.5°	19.9	20.8	20.8	19.9	19.9	19.1	15.1	11.9	11.1	11.9	11.9
135°	17.4	18.3	18.3	16.7	16.7	15.1	12.8	9.5	10.3	10.3	11.1
137.5°	15.1	15.9	15.1	14.4	13.6	12.8	10.3	7.9	8.8	9.5	9.5
140°	12.8	12.8	12.8	11.9	11.1	9.5	7.9	6.4	7.9	7.9	7.9
142.5°	10.3	10.3	10.3	9.5	7.9	7.1	5.6	5.6	6.4	6.4	6.4
145°	7.9	7.9	7.9	7.1	5.6	4.9	4.0	4.0	4.9	5.6	5.6
147.5°	5.6	5.6	5.6	4.9	3.1	2.3	2.3	3.1	4.0	4.0	4.0
150°	4.0	4.0	4.0	3.1	2.3	1.5	1.5	2.3	2.3	3.1	3.1
152.5°	2.3	3.1	3.1	2.3	1.5	0.8	0.8	1.5	1.5	1.5	1.5
155°	1.5	1.5	2.3	1.5	1.5	0.8	0.0	0.0	0.8	0.8	0.8
157.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)