

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: P416971

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6735 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - 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

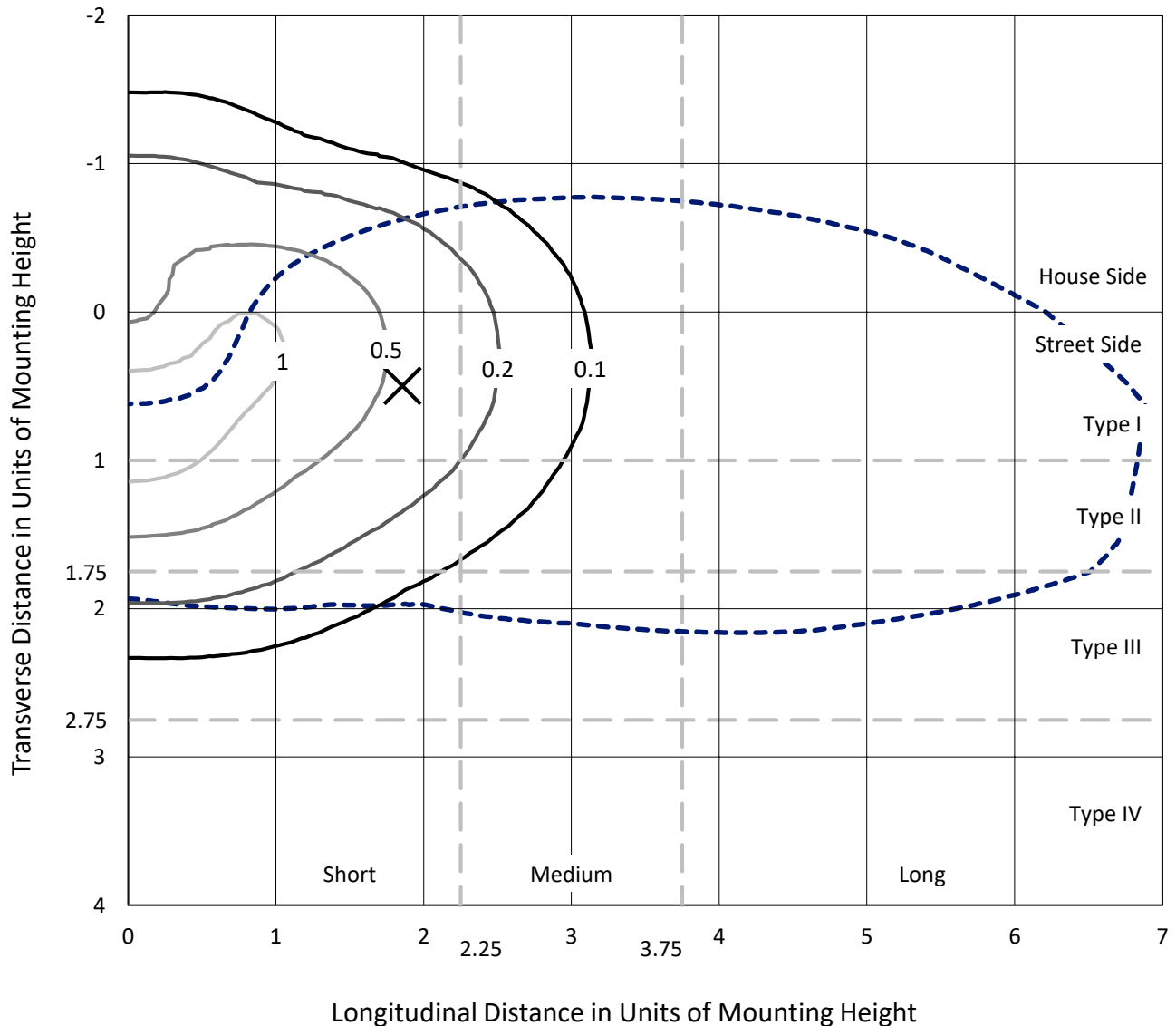


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

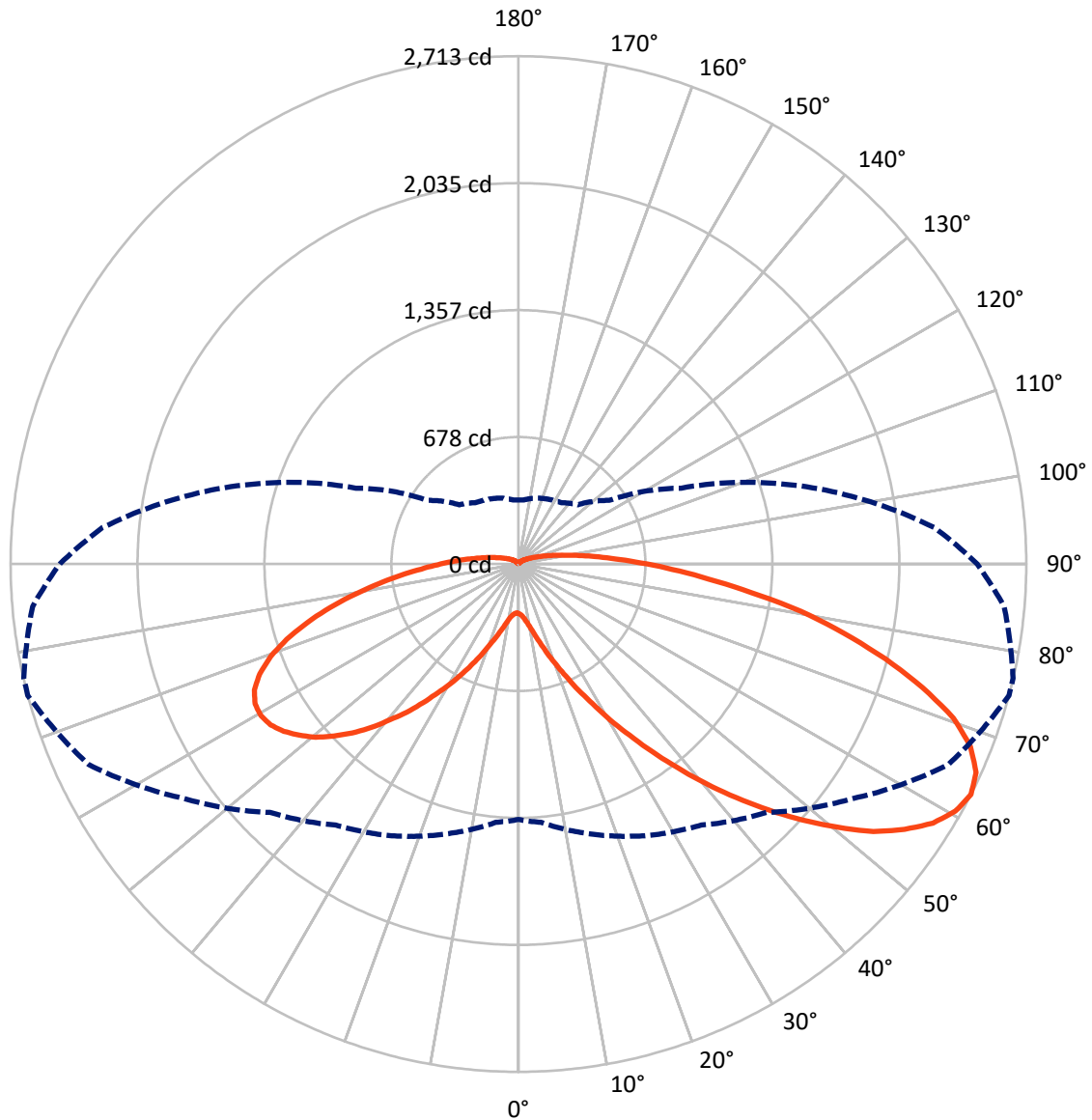


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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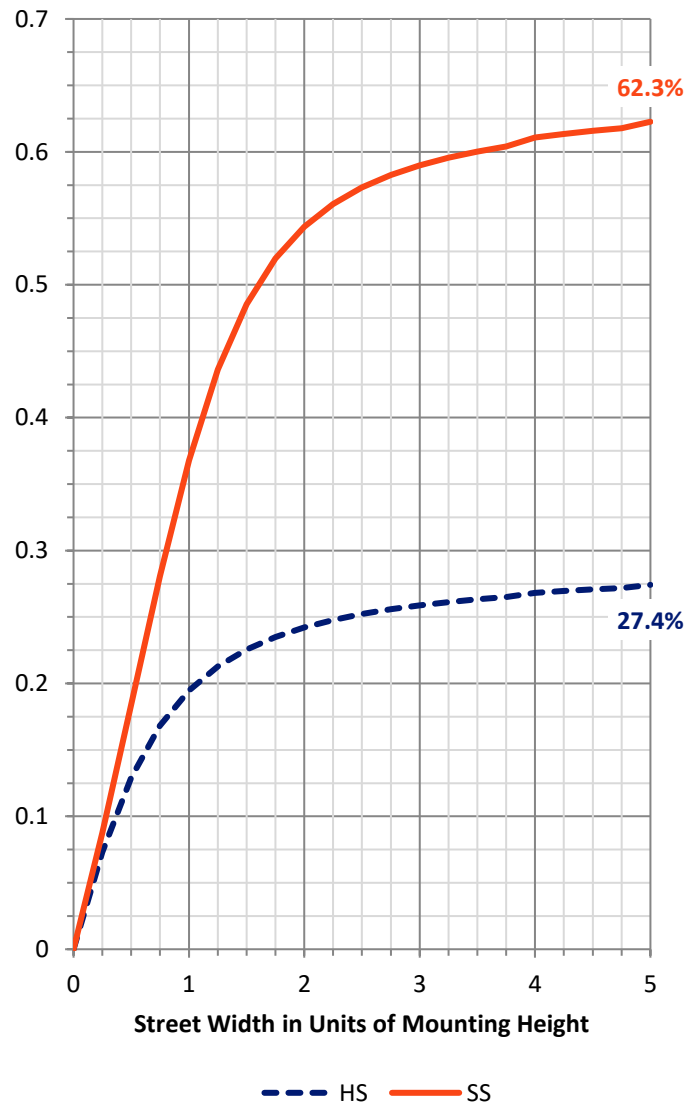
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.0	204.8	2130.9
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4323.0	281.2	4604.1
	% Fixture	64.2	4.2	68.4
Total	Lumens	6249.0	486.0	6735.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.4
10°-20°	117.2	1.7
20°-30°	303.3	4.5
30°-40°	620.6	9.2
40°-50°	1029.1	15.3
50°-60°	1335.1	19.8
60°-70°	1314.9	19.5
70°-80°	966.2	14.3
80°-90°	534.7	7.9
90°-100°	252.6	3.7
100°-110°	120.7	1.8
110°-120°	61.6	0.9
120°-130°	31.9	0.5
130°-140°	14.6	0.2
140°-150°	4.3	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6249.0	92.8
0°-180°	6735.0	100.0



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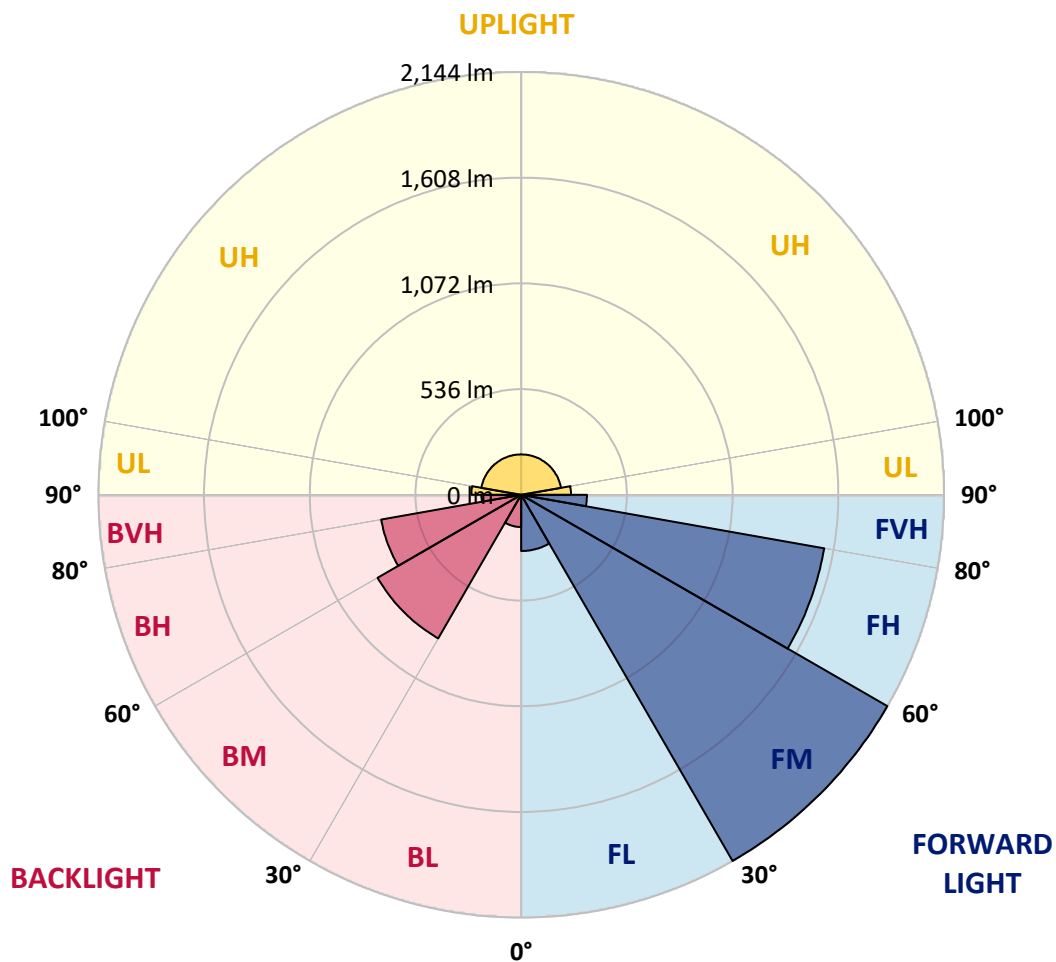
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.9	4.2			
FM	(30°-60°)	2144.1	31.8			
FH	(60°-80°)	1560.7	23.2			G1/1800
FVH	(80°-90°)	333.3	4.9			G3/500
BL	(0°-30°)	163.4	2.4	B1/500		
BM	(30°-60°)	840.7	12.5	B1/1000		
BH	(60°-80°)	720.5	10.7	B2/1000		G2/1000
BVH	(80°-90°)	201.5	3.0			G2/225
UL	(90°-100°)	252.6	3.7		U3/500	
UH	(100°-180°)	204.8	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6
2.5°	294.8	292.4	290.8	288.4	286.8	283.7	280.5	275.7	271.7	270.9	267.8
5°	325.8	321.8	321.8	317.8	312.3	308.3	301.9	294.0	287.6	283.7	280.5
7.5°	365.5	362.3	358.3	355.2	349.6	342.5	333.7	323.4	310.7	308.3	300.3
10°	410.0	408.4	405.2	398.9	391.7	382.2	370.3	357.6	343.3	340.9	327.4
12.5°	468.8	468.8	464.0	455.3	445.0	427.5	417.1	403.6	387.0	384.6	365.5
15°	541.1	537.9	531.6	516.5	504.5	490.2	477.5	460.1	437.8	433.8	416.4
17.5°	620.6	614.2	611.0	596.7	580.8	563.3	545.9	526.8	502.2	495.8	475.2
20°	709.5	713.5	701.6	685.7	661.9	644.4	624.5	599.9	572.9	568.1	543.5
22.5°	821.6	818.4	801.7	779.5	756.4	737.4	711.9	687.3	650.7	646.0	617.4
25°	945.5	942.4	920.9	893.1	866.9	832.7	803.3	777.1	746.9	739.7	705.6
27.5°	1067.1	1083.0	1050.4	1016.3	985.3	947.1	912.2	878.8	844.6	839.1	803.3
30°	1233.2	1237.1	1199.0	1152.1	1110.0	1062.3	1025.8	995.6	966.2	947.9	915.3
32.5°	1406.4	1393.7	1363.5	1306.3	1239.5	1186.3	1145.8	1118.0	1090.1	1080.6	1032.9
35°	1578.0	1578.0	1531.1	1454.1	1366.7	1312.6	1272.9	1256.2	1230.8	1215.7	1162.5
37.5°	1746.5	1744.1	1696.4	1605.8	1516.0	1442.1	1416.7	1397.6	1380.2	1365.1	1299.9
40°	1912.5	1908.5	1851.3	1763.1	1658.3	1582.0	1561.3	1564.5	1543.8	1523.2	1458.0
42.5°	2046.0	2044.4	1999.1	1910.9	1785.4	1717.9	1697.2	1716.3	1706.7	1686.9	1610.6
45°	2152.5	2145.3	2109.6	2019.8	1906.2	1834.7	1840.2	1886.3	1875.2	1865.6	1771.1
47.5°	2197.0	2196.2	2176.3	2098.4	1993.6	1943.5	1975.3	2039.7	2043.6	2035.7	1930.0
50°	2185.1	2188.2	2186.6	2139.0	2053.2	2027.7	2088.9	2198.6	2211.3	2203.3	2094.5
52.5°	2115.1	2116.7	2142.9	2122.3	2073.8	2081.0	2189.8	2330.5	2375.0	2353.5	2239.9
55°	1967.3	1987.2	2038.9	2050.8	2044.4	2092.9	2250.2	2435.3	2502.9	2495.7	2366.2
57.5°	1814.8	1805.3	1879.1	1936.4	1969.7	2061.1	2270.1	2510.0	2611.7	2602.2	2479.0
60°	1592.3	1606.6	1697.2	1779.0	1849.8	1984.8	2251.8	2549.8	2682.5	2676.9	2561.7
62.5°	1365.1	1385.7	1493.0	1601.8	1702.8	1876.8	2183.5	2534.7	2713.4	2712.6	2605.4
65°	1151.3	1173.6	1272.1	1404.0	1532.7	1730.6	2064.3	2470.3	2687.2	2688.8	2597.4
67.5°	961.4	973.3	1076.6	1222.0	1347.6	1558.9	1910.9	2343.2	2604.6	2613.3	2533.9
70°	792.2	800.9	901.0	1030.6	1176.0	1367.4	1725.0	2180.3	2466.3	2469.5	2419.5
72.5°	650.0	657.9	754.0	869.3	1003.5	1199.8	1533.5	1957.8	2258.2	2289.9	2243.1
75°	519.6	535.5	618.2	730.2	850.2	1025.0	1330.9	1718.6	2024.6	2051.6	2044.4
77.5°	423.5	445.0	510.9	607.0	717.5	869.3	1128.3	1482.7	1777.4	1799.7	1805.3
80°	341.7	357.6	423.5	508.5	602.3	734.2	943.2	1252.2	1528.7	1531.1	1528.7
82.5°	277.3	289.2	348.0	425.1	507.7	617.4	790.6	1044.9	1253.8	1279.3	1284.0
85°	225.7	234.4	285.2	354.4	424.3	517.3	652.3	853.4	1018.6	1044.9	1036.1
87.5°	181.2	193.1	233.6	292.4	357.6	431.4	542.7	690.5	822.4	833.5	831.9
90°	148.6	152.6	193.1	243.1	301.9	358.3	443.4	556.2	654.7	674.6	661.1
92.5°	120.0	126.3	160.5	205.8	251.9	301.1	367.9	456.9	518.1	530.0	523.6
95°	100.9	104.1	135.1	172.4	212.1	256.6	303.5	364.7	410.0	414.0	415.6
97.5°	84.2	87.4	112.8	147.0	181.2	216.9	252.7	298.0	328.2	327.4	325.0
100°	72.3	73.9	96.9	127.9	158.1	184.3	212.1	240.0	258.2	263.8	255.1
102.5°	62.8	63.6	83.4	110.4	135.9	158.9	179.6	199.4	206.6	207.4	203.4
105°	55.6	56.4	73.1	95.3	118.4	135.9	151.8	163.7	166.9	166.9	162.1
107.5°	49.3	50.1	62.8	84.2	104.9	119.2	130.3	136.7	135.1	134.3	131.1
110°	45.3	45.3	55.6	74.7	91.4	104.1	112.8	113.6	109.7	109.7	106.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	41.3	41.3	49.3	65.9	81.0	92.2	97.7	96.1	90.6	89.0	89.0
115°	38.1	38.1	43.7	58.0	72.3	81.0	85.0	81.0	74.7	73.9	73.1
117.5°	35.8	35.8	39.7	51.6	63.6	71.5	73.9	69.9	62.8	62.0	62.0
120°	33.4	33.4	36.6	45.3	56.4	62.8	64.4	59.6	52.4	52.4	53.2
122.5°	31.8	31.8	33.4	40.5	50.1	55.6	55.6	50.9	44.5	44.5	45.3
125°	30.2	30.2	31.0	35.8	43.7	48.5	47.7	42.1	38.1	38.1	38.9
127.5°	28.6	28.6	28.6	31.8	38.1	42.1	41.3	35.8	32.6	32.6	34.2
130°	27.0	27.0	26.2	27.8	32.6	35.8	34.2	30.2	27.8	27.8	29.4
132.5°	25.4	25.4	23.8	24.6	27.8	29.4	27.8	24.6	23.8	23.8	24.6
135°	23.8	23.0	22.2	21.5	23.0	23.8	22.2	19.9	19.9	19.9	21.5
137.5°	21.5	21.5	19.9	18.3	18.3	18.3	17.5	15.1	15.9	16.7	17.5
140°	19.9	19.9	18.3	15.9	14.3	14.3	12.7	11.9	12.7	13.5	14.3
142.5°	17.5	17.5	15.9	13.5	11.1	9.5	8.7	7.9	9.5	10.3	10.3
145°	15.1	15.1	13.5	10.3	7.9	5.6	4.8	5.6	6.4	7.2	7.9
147.5°	12.7	11.9	10.3	7.9	4.0	2.4	1.6	3.2	4.0	4.0	4.8
150°	9.5	9.5	7.9	5.6	2.4	0.0	0.8	1.6	2.4	2.4	3.2
152.5°	7.2	6.4	5.6	3.2	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	4.0	4.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6
2.5°	266.2	263.8	260.6	258.2	255.9	252.7	251.1	248.7	248.7	248.7	250.3
5°	275.7	272.5	265.4	259.0	252.7	247.9	243.1	240.0	238.4	236.8	237.6
7.5°	293.2	289.2	278.1	267.0	258.2	249.5	243.1	237.6	235.2	234.4	234.4
10°	320.2	313.1	296.4	281.3	268.6	256.6	247.9	240.8	237.6	235.2	235.2
12.5°	356.8	346.4	326.6	305.9	286.8	270.9	258.2	252.7	250.3	248.7	249.5
15°	405.2	394.1	363.9	336.9	312.3	290.8	278.9	273.3	270.2	268.6	267.8
17.5°	461.6	445.8	409.2	374.2	343.3	319.4	304.3	295.6	290.0	286.8	287.6
20°	523.6	503.0	456.1	417.9	378.2	354.4	331.3	317.0	309.9	308.3	309.1
22.5°	593.5	572.1	518.1	462.4	421.1	385.4	357.6	339.3	330.5	329.7	329.7
25°	676.2	647.6	584.0	514.1	460.8	415.6	383.0	360.7	351.2	348.0	348.0
27.5°	769.9	731.8	653.1	572.9	499.8	442.6	404.4	379.0	368.7	366.3	366.3
30°	873.2	833.5	733.4	628.5	537.1	466.4	423.5	396.5	383.0	379.8	380.6
32.5°	986.9	935.2	808.9	688.1	569.7	485.5	436.2	409.2	394.1	390.1	390.1
35°	1110.0	1049.6	898.7	746.1	600.7	500.6	445.8	417.9	401.3	397.3	396.5
37.5°	1248.3	1172.8	991.6	799.3	625.3	510.1	452.1	423.5	405.2	399.7	398.9
40°	1392.9	1306.3	1077.4	847.8	646.0	515.7	453.7	425.9	406.8	398.1	397.3
42.5°	1528.0	1432.6	1175.2	892.3	658.7	518.1	452.9	425.1	405.2	393.3	392.5
45°	1677.3	1560.5	1264.9	932.8	666.6	516.5	449.7	421.1	402.1	387.0	385.4
47.5°	1833.9	1699.6	1347.6	962.2	669.8	511.7	445.8	417.9	396.5	379.8	378.2
50°	1975.3	1818.8	1424.7	985.3	668.2	504.5	439.4	413.2	391.7	372.7	371.1
52.5°	2113.5	1943.5	1485.0	998.0	660.3	496.6	433.8	407.6	386.2	366.3	363.9
55°	2239.1	2042.0	1539.1	1003.5	650.0	486.3	425.9	402.8	381.4	359.9	357.6
57.5°	2336.0	2135.0	1578.8	996.4	634.1	474.4	417.9	395.7	375.8	354.4	352.0
60°	2407.5	2196.2	1597.1	982.9	615.8	460.8	408.4	388.5	370.3	349.6	347.2
62.5°	2450.4	2230.3	1593.1	959.0	592.7	447.3	399.7	381.4	364.7	344.0	342.5
65°	2443.3	2216.8	1562.9	920.9	568.1	429.9	386.2	371.9	356.8	337.7	335.3
67.5°	2385.3	2162.0	1501.7	873.2	540.3	412.4	373.4	359.1	346.4	329.7	325.0
70°	2282.0	2061.1	1413.5	813.6	508.5	392.5	358.3	344.8	333.7	317.8	313.1
72.5°	2108.0	1914.1	1301.5	751.7	474.4	369.5	338.5	327.4	315.4	302.7	297.2
75°	1909.3	1729.8	1169.6	678.6	437.8	346.4	317.8	306.7	295.6	282.1	277.3
77.5°	1693.2	1520.8	1032.9	614.2	400.5	320.2	294.8	285.2	274.1	259.8	254.3
80°	1435.0	1297.5	887.5	540.3	363.1	294.8	270.9	260.6	248.7	235.2	229.6
82.5°	1202.2	1080.6	753.2	473.6	325.8	268.6	247.9	232.8	221.7	208.2	198.6
85°	982.9	897.9	631.7	406.8	290.8	241.5	220.9	208.2	195.5	179.6	173.2
87.5°	790.6	718.3	518.9	351.2	256.6	215.3	196.3	183.5	169.2	152.6	147.0
90°	625.3	580.8	431.4	301.9	227.2	193.1	174.0	160.5	144.6	129.5	126.3
92.5°	495.8	464.8	356.8	256.6	200.2	170.8	153.4	139.8	124.0	108.9	104.1
95°	398.9	368.7	292.4	224.1	175.6	150.2	135.1	122.4	106.5	91.4	88.2
97.5°	318.6	294.8	240.0	188.3	154.1	133.5	120.0	106.5	90.6	77.1	75.5
100°	249.5	235.2	198.6	162.1	135.9	118.4	105.7	93.8	77.9	64.4	63.6
102.5°	199.4	191.5	165.3	139.8	119.2	104.9	94.6	81.8	67.5	54.8	54.0
105°	160.5	155.7	137.5	120.0	105.7	93.8	84.2	71.5	57.2	46.9	46.9
107.5°	130.3	126.3	115.2	102.5	93.0	84.2	73.9	62.8	49.3	40.5	40.5
110°	106.5	104.9	97.7	89.0	81.8	74.7	65.2	54.0	42.1	35.8	35.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	89.0	88.2	82.6	77.9	72.3	65.9	58.0	47.7	36.6	31.0	31.8
115°	73.9	73.9	70.7	67.5	63.6	58.8	50.9	40.5	31.0	27.8	27.8
117.5°	62.8	62.0	61.2	58.8	56.4	51.6	43.7	35.0	26.2	24.6	25.4
120°	54.0	54.0	52.4	51.6	49.3	44.5	38.1	29.4	22.2	22.2	22.2
122.5°	46.1	46.9	45.3	44.5	42.9	39.7	32.6	24.6	19.9	19.1	19.9
125°	40.5	40.5	39.7	38.9	37.3	33.4	27.8	20.7	16.7	17.5	17.5
127.5°	34.2	35.0	34.2	33.4	32.6	28.6	23.0	16.7	14.3	15.1	15.1
130°	30.2	30.2	29.4	28.6	27.0	23.8	19.1	13.5	12.7	13.5	13.5
132.5°	25.4	25.4	25.4	23.8	22.2	19.9	15.1	11.1	10.3	11.9	11.9
135°	21.5	21.5	21.5	19.9	18.3	15.1	11.1	8.7	8.7	10.3	10.3
137.5°	17.5	18.3	17.5	15.9	14.3	11.9	8.7	6.4	7.2	8.7	8.7
140°	14.3	14.3	13.5	12.7	10.3	7.9	5.6	4.8	6.4	7.2	7.2
142.5°	11.1	11.1	10.3	8.7	7.2	5.6	3.2	3.2	4.8	5.6	5.6
145°	7.9	7.9	7.2	5.6	4.0	2.4	0.8	1.6	3.2	4.0	4.0
147.5°	4.8	4.8	4.8	4.0	2.4	0.8	0.0	0.8	1.6	2.4	2.4
150°	3.2	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.8	1.6	1.6
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)