

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: P416243

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416243
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-PA1-70-727-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 6485 lumens
Efficiency: N/A
Efficacy: 87.6 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): 74
Input Voltage (V): NR
Input Current (A_{in}): 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

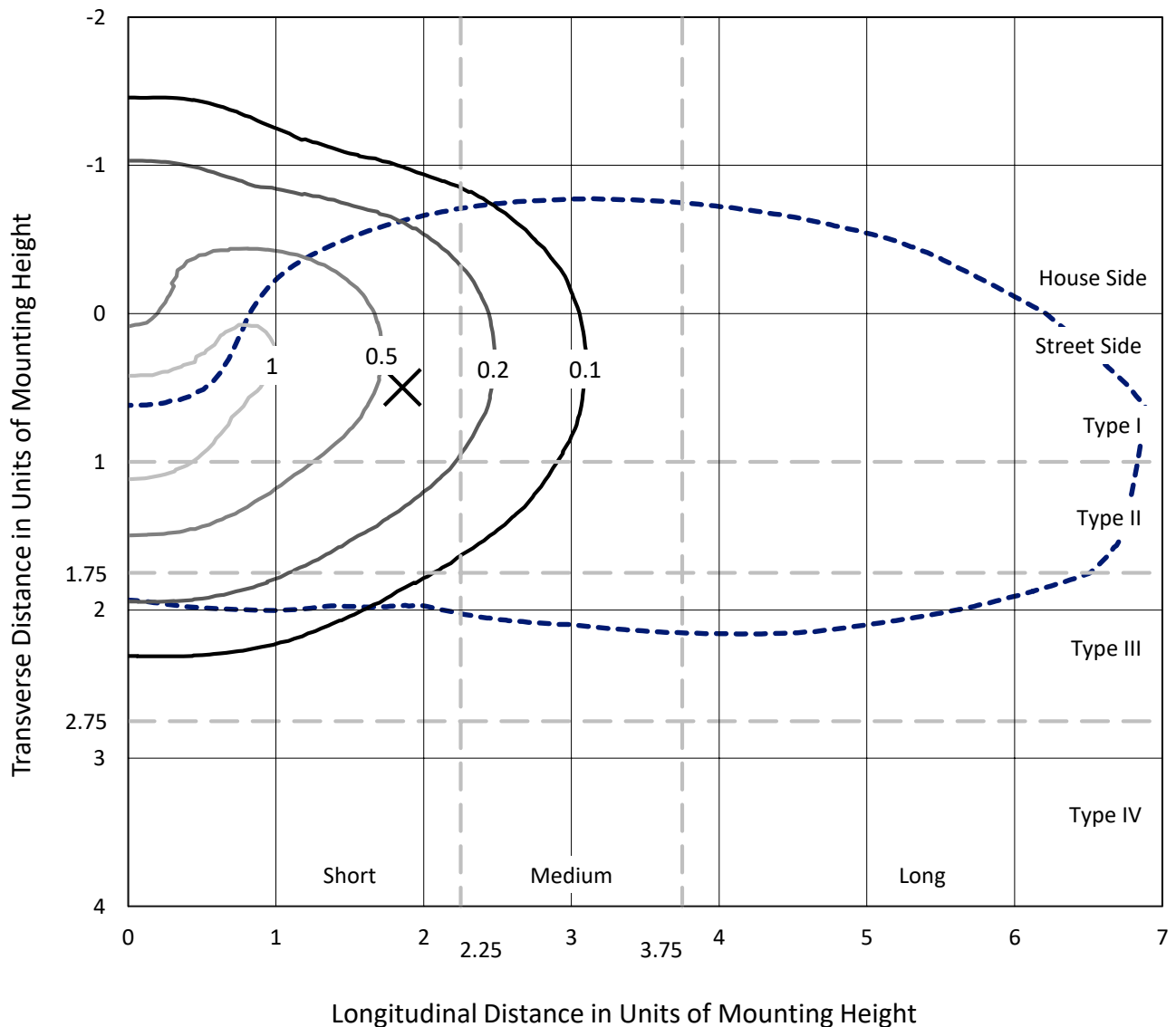


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

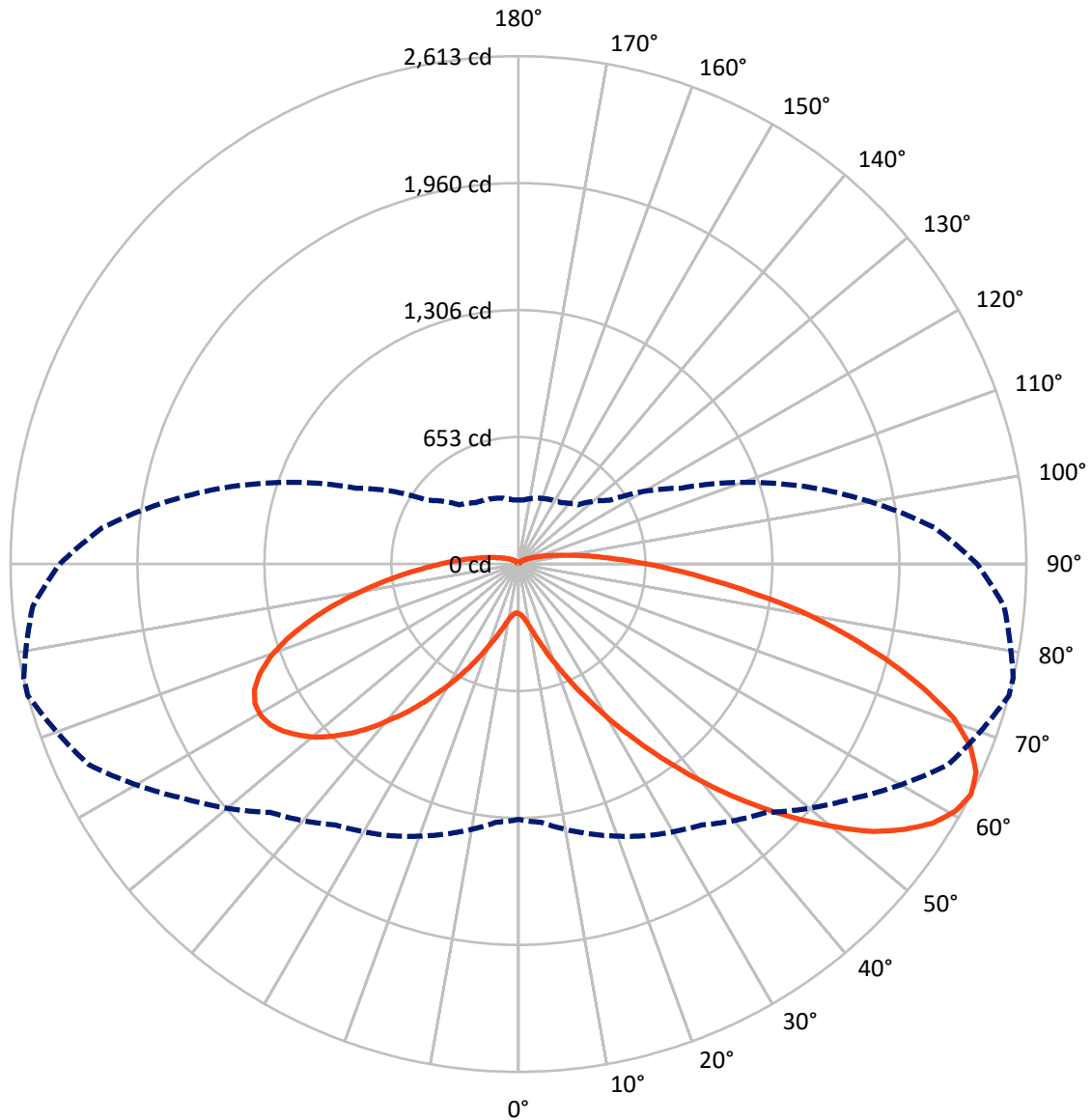


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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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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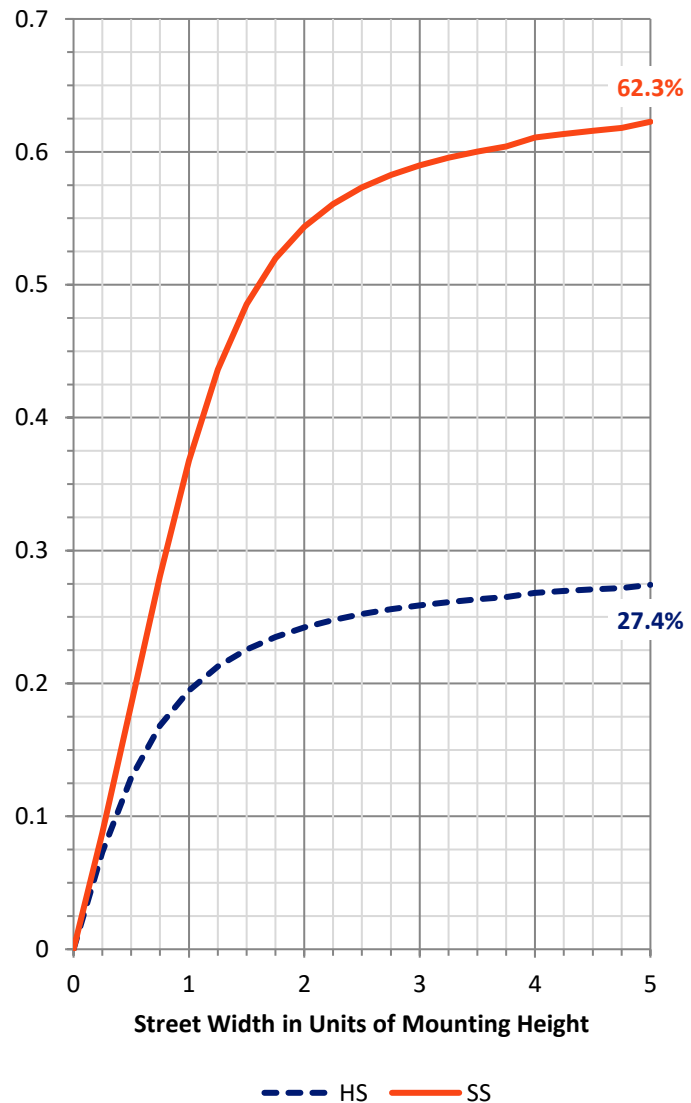
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.5	197.2	2051.8
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4162.5	270.7	4433.2
	% Fixture	64.2	4.2	68.4
Total	Lumens	6017.0	467.9	6485.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.4
10°-20°	112.8	1.7
20°-30°	292.0	4.5
30°-40°	597.5	9.2
40°-50°	990.9	15.3
50°-60°	1285.5	19.8
60°-70°	1266.1	19.5
70°-80°	930.4	14.3
80°-90°	514.9	7.9
90°-100°	243.2	3.7
100°-110°	116.2	1.8
110°-120°	59.3	0.9
120°-130°	30.7	0.5
130°-140°	14.1	0.2
140°-150°	4.2	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6017.0	92.8
0°-180°	6485.0	100.0



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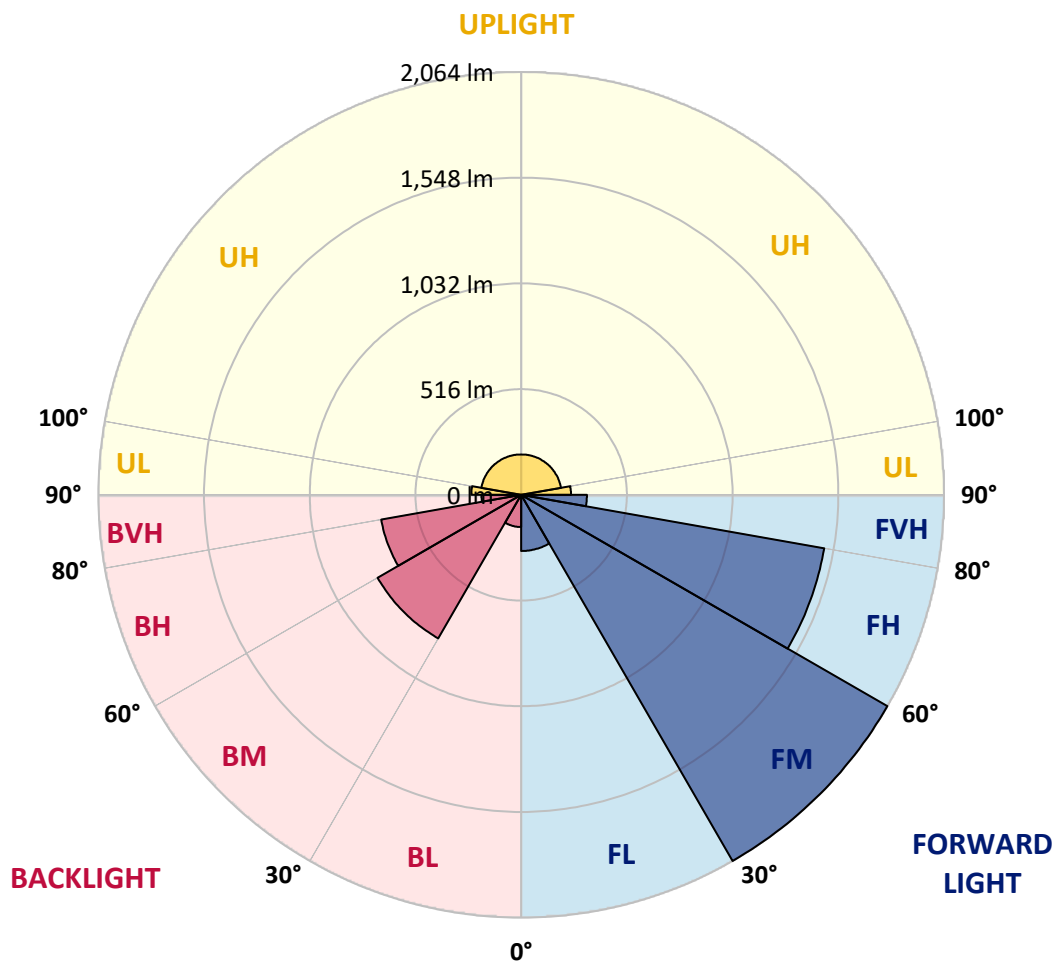
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.4	4.2			
FM	(30°-60°)	2064.5	31.8			
FH	(60°-80°)	1502.7	23.2			G1/1800
FVH	(80°-90°)	320.9	4.9			G3/500
BL	(0°-30°)	157.3	2.4	B1/500		
BM	(30°-60°)	809.5	12.5	B1/1000		
BH	(60°-80°)	693.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	194.0	3.0			G2/225
UL	(90°-100°)	243.2	3.7		U3/500	
UH	(100°-180°)	197.2	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°	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8
2.5°	283.8	281.5	280.0	277.7	276.2	273.1	270.1	265.5	261.7	260.9	257.8
5°	313.7	309.9	309.9	306.0	300.7	296.8	290.7	283.1	277.0	273.1	270.1
7.5°	351.9	348.9	345.0	342.0	336.6	329.7	321.3	311.4	299.1	296.8	289.2
10°	394.8	393.2	390.2	384.1	377.2	368.0	356.5	344.3	330.5	328.2	315.2
12.5°	451.4	451.4	446.8	438.4	428.4	411.6	401.7	388.7	372.6	370.3	351.9
15°	521.0	518.0	511.8	497.3	485.8	472.0	459.8	443.0	421.6	417.7	400.9
17.5°	597.5	591.4	588.3	574.6	559.3	542.4	525.6	507.2	483.5	477.4	457.5
20°	683.2	687.0	675.6	660.3	637.3	620.5	601.3	577.6	551.6	547.0	523.3
22.5°	791.1	788.0	772.0	750.5	728.3	710.0	685.5	661.8	626.6	622.0	594.5
25°	910.4	907.4	886.7	859.9	834.7	801.8	773.5	748.2	719.2	712.3	679.4
27.5°	1027.5	1042.8	1011.4	978.5	948.7	912.0	878.3	846.2	813.3	807.9	773.5
30°	1187.4	1191.2	1154.5	1109.4	1068.8	1022.9	987.7	958.6	930.3	912.7	881.4
32.5°	1354.2	1341.9	1312.9	1257.8	1193.5	1142.3	1103.2	1076.5	1049.7	1040.5	994.6
35°	1519.4	1519.4	1474.3	1400.1	1315.9	1263.9	1225.6	1209.6	1185.1	1170.6	1119.3
37.5°	1681.6	1679.3	1633.4	1546.2	1459.8	1388.6	1364.1	1345.8	1328.9	1314.4	1251.7
40°	1841.5	1837.7	1782.6	1697.7	1596.7	1523.3	1503.4	1506.4	1486.5	1466.6	1403.9
42.5°	1970.1	1968.5	1924.9	1840.0	1719.1	1654.1	1634.2	1652.6	1643.4	1624.2	1550.8
45°	2072.6	2065.7	2031.3	1944.8	1835.4	1766.6	1771.9	1816.3	1805.6	1796.4	1705.3
47.5°	2115.4	2114.7	2095.5	2020.6	1919.6	1871.4	1902.0	1963.9	1967.8	1960.1	1858.4
50°	2103.9	2107.0	2105.5	2059.6	1976.9	1952.5	2011.4	2117.0	2129.2	2121.5	2016.7
52.5°	2036.6	2038.2	2063.4	2043.5	1996.8	2003.7	2108.5	2244.0	2286.8	2266.1	2156.7
55°	1894.3	1913.4	1963.2	1974.7	1968.5	2015.2	2166.7	2344.9	2410.0	2403.1	2278.4
57.5°	1747.4	1738.2	1809.4	1864.5	1896.6	1984.6	2185.8	2416.9	2514.8	2505.6	2387.0
60°	1533.2	1547.0	1634.2	1713.0	1781.1	1911.2	2168.2	2455.1	2582.9	2577.5	2466.6
62.5°	1314.4	1334.3	1437.6	1542.4	1639.5	1807.1	2102.4	2440.6	2612.7	2612.0	2508.7
65°	1108.6	1130.0	1224.9	1351.9	1475.8	1666.3	1987.7	2378.6	2587.5	2589.0	2501.0
67.5°	925.7	937.2	1036.7	1176.7	1297.6	1501.1	1840.0	2256.2	2507.9	2516.3	2439.8
70°	762.8	771.2	867.6	992.3	1132.3	1316.7	1661.0	2099.4	2374.8	2377.8	2329.6
72.5°	625.8	633.5	726.1	837.0	966.3	1155.3	1476.6	1885.1	2174.3	2204.9	2159.8
75°	500.4	515.7	595.2	703.1	818.6	986.9	1281.5	1654.9	1949.4	1975.4	1968.5
77.5°	407.8	428.4	491.9	584.5	690.9	837.0	1086.4	1427.6	1711.5	1732.9	1738.2
80°	329.0	344.3	407.8	489.6	579.9	706.9	908.1	1205.8	1472.0	1474.3	1472.0
82.5°	267.0	278.5	335.1	409.3	488.9	594.5	761.2	1006.1	1207.3	1231.8	1236.4
85°	217.3	225.7	274.7	341.2	408.5	498.1	628.1	821.7	980.8	1006.1	997.7
87.5°	174.4	185.9	224.9	281.5	344.3	415.4	522.5	664.8	791.8	802.6	801.0
90°	143.1	146.9	185.9	234.1	290.7	345.0	426.9	535.6	630.4	649.5	636.5
92.5°	115.5	121.6	154.5	198.2	242.5	290.0	354.2	439.9	498.8	510.3	504.2
95°	97.2	100.2	130.1	166.0	204.3	247.1	292.3	351.2	394.8	398.6	400.1
97.5°	81.1	84.2	108.6	141.5	174.4	208.9	243.3	286.9	316.0	315.2	312.9
100°	69.6	71.2	93.3	123.2	152.2	177.5	204.3	231.1	248.6	254.0	245.6
102.5°	60.4	61.2	80.3	106.3	130.8	153.0	172.9	192.0	198.9	199.7	195.9
105°	53.6	54.3	70.4	91.8	114.0	130.8	146.1	157.6	160.7	160.7	156.1
107.5°	47.4	48.2	60.4	81.1	101.0	114.8	125.5	131.6	130.1	129.3	126.2
110°	43.6	43.6	53.6	71.9	88.0	100.2	108.6	109.4	105.6	105.6	102.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	39.8	39.8	47.4	63.5	78.0	88.7	94.1	92.6	87.2	85.7	85.7
115°	36.7	36.7	42.1	55.9	69.6	78.0	81.9	78.0	71.9	71.2	70.4
117.5°	34.4	34.4	38.3	49.7	61.2	68.9	71.2	67.3	60.4	59.7	59.7
120°	32.1	32.1	35.2	43.6	54.3	60.4	62.0	57.4	50.5	50.5	51.3
122.5°	30.6	30.6	32.1	39.0	48.2	53.6	53.6	49.0	42.8	42.8	43.6
125°	29.1	29.1	29.8	34.4	42.1	46.7	45.9	40.5	36.7	36.7	37.5
127.5°	27.5	27.5	27.5	30.6	36.7	40.5	39.8	34.4	31.4	31.4	32.9
130°	26.0	26.0	25.2	26.8	31.4	34.4	32.9	29.1	26.8	26.8	28.3
132.5°	24.5	24.5	23.0	23.7	26.8	28.3	26.8	23.7	23.0	23.0	23.7
135°	23.0	22.2	21.4	20.7	22.2	23.0	21.4	19.1	19.1	19.1	20.7
137.5°	20.7	20.7	19.1	17.6	17.6	17.6	16.8	14.5	15.3	16.1	16.8
140°	19.1	19.1	17.6	15.3	13.8	13.8	12.2	11.5	12.2	13.0	13.8
142.5°	16.8	16.8	15.3	13.0	10.7	9.2	8.4	7.7	9.2	9.9	9.9
145°	14.5	14.5	13.0	9.9	7.7	5.4	4.6	5.4	6.1	6.9	7.7
147.5°	12.2	11.5	9.9	7.7	3.8	2.3	1.5	3.1	3.8	3.8	4.6
150°	9.2	9.2	7.7	5.4	2.3	0.0	0.8	1.5	2.3	2.3	3.1
152.5°	6.9	6.1	5.4	3.1	0.0	0.0	0.0	0.0	0.8	1.5	1.5
155°	3.8	3.8	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	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°	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8
2.5°	256.3	254.0	250.9	248.6	246.4	243.3	241.8	239.5	239.5	239.5	241.0
5°	265.5	262.4	255.5	249.4	243.3	238.7	234.1	231.1	229.5	228.0	228.8
7.5°	282.3	278.5	267.8	257.1	248.6	240.2	234.1	228.8	226.5	225.7	225.7
10°	308.3	301.4	285.4	270.8	258.6	247.1	238.7	231.8	228.8	226.5	226.5
12.5°	343.5	333.6	314.4	294.6	276.2	260.9	248.6	243.3	241.0	239.5	240.2
15°	390.2	379.5	350.4	324.4	300.7	280.0	268.5	263.2	260.1	258.6	257.8
17.5°	444.5	429.2	394.0	360.3	330.5	307.6	293.0	284.6	279.3	276.2	277.0
20°	504.2	484.3	439.2	402.4	364.2	341.2	319.0	305.3	298.4	296.8	297.6
22.5°	571.5	550.9	498.8	445.3	405.5	371.1	344.3	326.7	318.3	317.5	317.5
25°	651.1	623.5	562.3	495.0	443.7	400.1	368.8	347.3	338.2	335.1	335.1
27.5°	741.4	704.6	628.9	551.6	481.2	426.1	389.4	364.9	355.0	352.7	352.7
30°	840.8	802.6	706.2	605.2	517.2	449.1	407.8	381.8	368.8	365.7	366.5
32.5°	950.2	900.5	778.8	662.6	548.6	467.5	420.0	394.0	379.5	375.7	375.7
35°	1068.8	1010.7	865.3	718.4	578.4	482.0	429.2	402.4	386.4	382.5	381.8
37.5°	1201.9	1129.2	954.8	769.7	602.1	491.2	435.3	407.8	390.2	384.8	384.1
40°	1341.2	1257.8	1037.4	816.3	622.0	496.5	436.9	410.1	391.7	383.3	382.5
42.5°	1471.2	1379.4	1131.5	859.2	634.2	498.8	436.1	409.3	390.2	378.7	377.9
45°	1615.1	1502.6	1218.0	898.2	641.9	497.3	433.0	405.5	387.1	372.6	371.1
47.5°	1765.8	1636.5	1297.6	926.5	645.0	492.7	429.2	402.4	381.8	365.7	364.2
50°	1902.0	1751.3	1371.8	948.7	643.4	485.8	423.1	397.8	377.2	358.8	357.3
52.5°	2035.1	1871.4	1429.9	960.9	635.8	478.2	417.7	392.5	371.8	352.7	350.4
55°	2156.0	1966.2	1481.9	966.3	625.8	468.2	410.1	387.9	367.2	346.6	344.3
57.5°	2249.3	2055.7	1520.2	959.4	610.5	456.7	402.4	381.0	361.9	341.2	338.9
60°	2318.2	2114.7	1537.8	946.4	592.9	443.7	393.2	374.1	356.5	336.6	334.3
62.5°	2359.5	2147.6	1534.0	923.4	570.7	430.7	384.8	367.2	351.2	331.3	329.7
65°	2352.6	2134.6	1504.9	886.7	547.0	413.9	371.8	358.1	343.5	325.2	322.9
67.5°	2296.7	2081.8	1446.0	840.8	520.2	397.1	359.6	345.8	333.6	317.5	312.9
70°	2197.3	1984.6	1361.1	783.4	489.6	377.9	345.0	332.0	321.3	306.0	301.4
72.5°	2029.7	1843.1	1253.2	723.8	456.7	355.8	325.9	315.2	303.7	291.5	286.1
75°	1838.5	1665.6	1126.2	653.4	421.6	333.6	306.0	295.3	284.6	271.6	267.0
77.5°	1630.4	1464.3	994.6	591.4	385.6	308.3	283.8	274.7	263.9	250.2	244.8
80°	1381.7	1249.4	854.6	520.2	349.6	283.8	260.9	250.9	239.5	226.5	221.1
82.5°	1157.6	1040.5	725.3	456.0	313.7	258.6	238.7	224.2	213.5	200.4	191.3
85°	946.4	864.5	608.2	391.7	280.0	232.6	212.7	200.4	188.2	172.9	166.8
87.5°	761.2	691.6	499.6	338.2	247.1	207.3	189.0	176.7	163.0	146.9	141.5
90°	602.1	559.3	415.4	290.7	218.8	185.9	167.6	154.5	139.2	124.7	121.6
92.5°	477.4	447.6	343.5	247.1	192.8	164.5	147.7	134.7	119.4	104.8	100.2
95°	384.1	355.0	281.5	215.8	169.1	144.6	130.1	117.8	102.5	88.0	84.9
97.5°	306.8	283.8	231.1	181.3	148.4	128.5	115.5	102.5	87.2	74.2	72.7
100°	240.2	226.5	191.3	156.1	130.8	114.0	101.8	90.3	75.0	62.0	61.2
102.5°	192.0	184.4	159.1	134.7	114.8	101.0	91.0	78.8	65.0	52.8	52.0
105°	154.5	150.0	132.4	115.5	101.8	90.3	81.1	68.9	55.1	45.1	45.1
107.5°	125.5	121.6	110.9	98.7	89.5	81.1	71.2	60.4	47.4	39.0	39.0
110°	102.5	101.0	94.1	85.7	78.8	71.9	62.7	52.0	40.5	34.4	34.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	85.7	84.9	79.6	75.0	69.6	63.5	55.9	45.9	35.2	29.8	30.6
115°	71.2	71.2	68.1	65.0	61.2	56.6	49.0	39.0	29.8	26.8	26.8
117.5°	60.4	59.7	58.9	56.6	54.3	49.7	42.1	33.7	25.2	23.7	24.5
120°	52.0	52.0	50.5	49.7	47.4	42.8	36.7	28.3	21.4	21.4	21.4
122.5°	44.4	45.1	43.6	42.8	41.3	38.3	31.4	23.7	19.1	18.4	19.1
125°	39.0	39.0	38.3	37.5	36.0	32.1	26.8	19.9	16.1	16.8	16.8
127.5°	32.9	33.7	32.9	32.1	31.4	27.5	22.2	16.1	13.8	14.5	14.5
130°	29.1	29.1	28.3	27.5	26.0	23.0	18.4	13.0	12.2	13.0	13.0
132.5°	24.5	24.5	24.5	23.0	21.4	19.1	14.5	10.7	9.9	11.5	11.5
135°	20.7	20.7	20.7	19.1	17.6	14.5	10.7	8.4	8.4	9.9	9.9
137.5°	16.8	17.6	16.8	15.3	13.8	11.5	8.4	6.1	6.9	8.4	8.4
140°	13.8	13.8	13.0	12.2	9.9	7.7	5.4	4.6	6.1	6.9	6.9
142.5°	10.7	10.7	9.9	8.4	6.9	5.4	3.1	3.1	4.6	5.4	5.4
145°	7.7	7.7	6.9	5.4	3.8	2.3	0.8	1.5	3.1	3.8	3.8
147.5°	4.6	4.6	4.6	3.8	2.3	0.8	0.0	0.8	1.5	2.3	2.3
150°	3.1	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.8	1.5	1.5
152.5°	1.5	1.5	1.5	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)