

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: P416286

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-730-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6867 lumens  
Efficiency: N/A  
Efficacy: 92.8 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

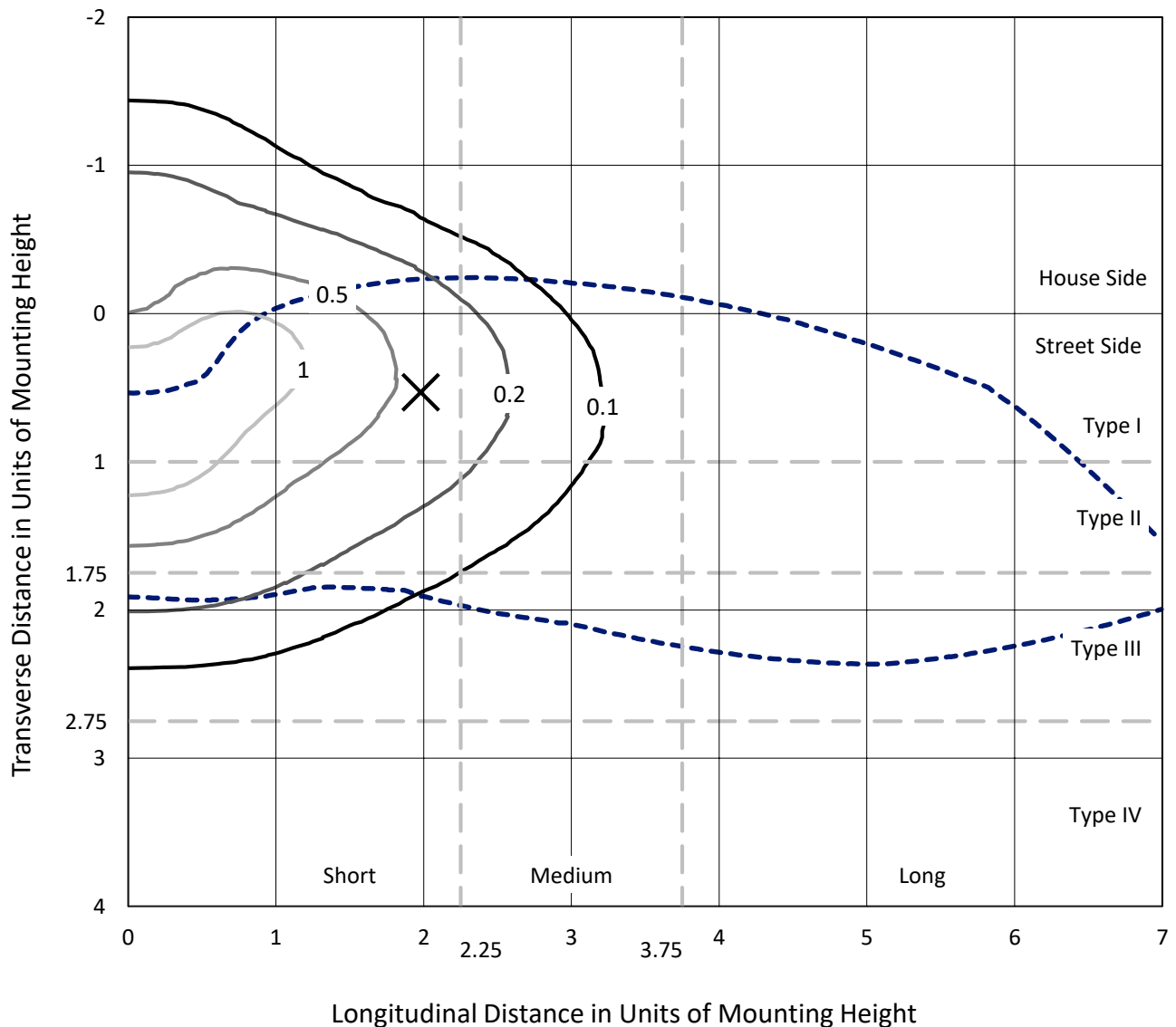
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

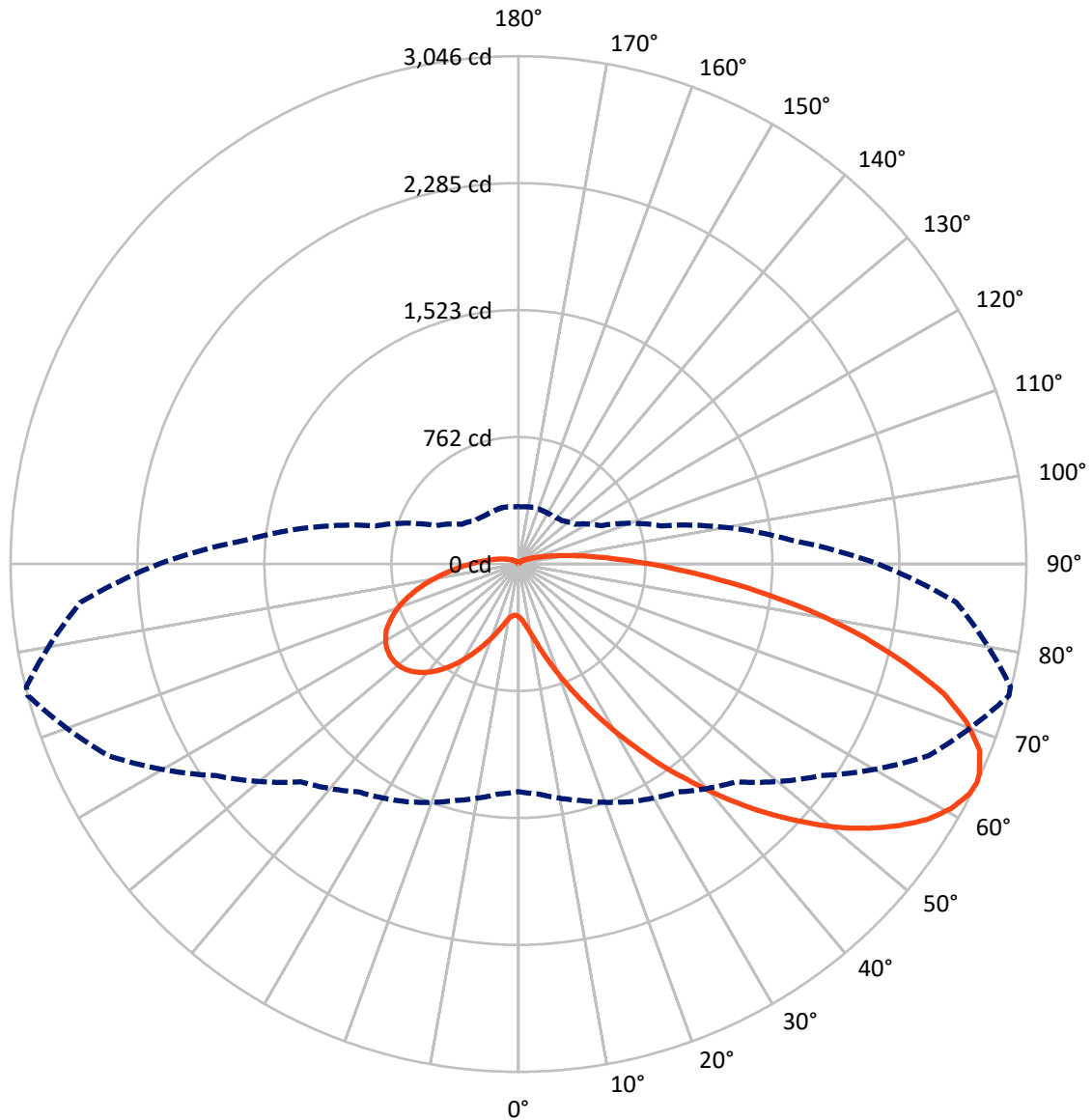
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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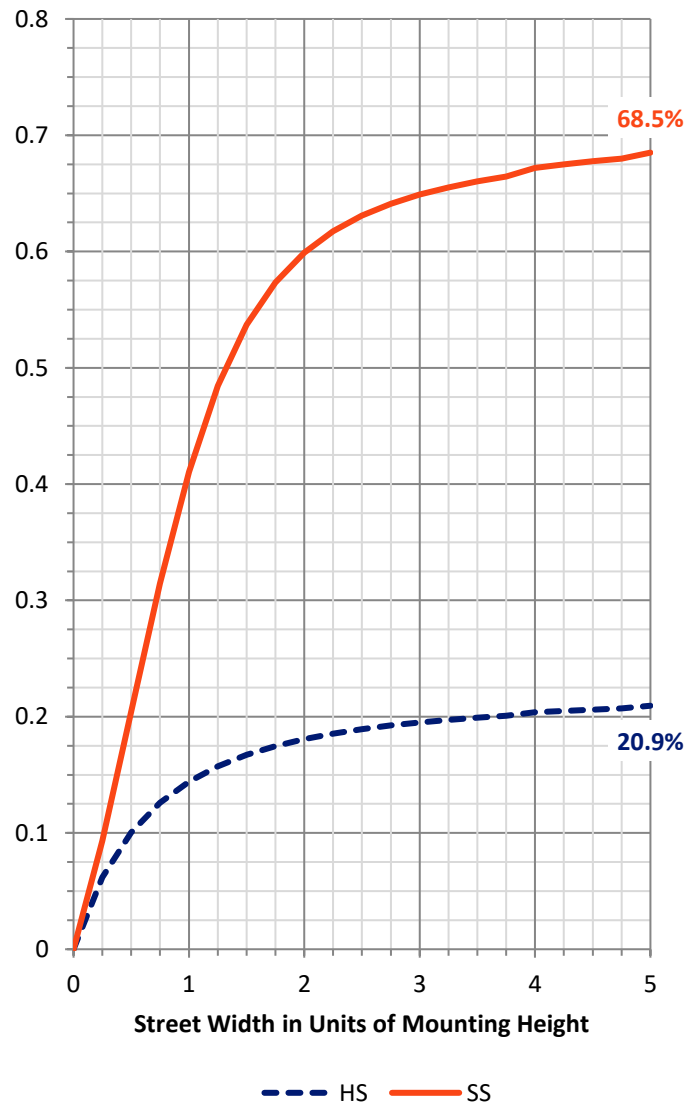
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1514.6	199.5	1714.1
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	4849.5	303.5	5153.0
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	6364.1	503.0	6867.0
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.3	0.5
10°-20°	138.5	2.0
20°-30°	350.6	5.1
30°-40°	686.7	10.0
40°-50°	1068.3	15.6
50°-60°	1310.1	19.1
60°-70°	1273.6	18.5
70°-80°	960.5	14.0
80°-90°	542.3	7.9
90°-100°	255.8	3.7
100°-110°	123.6	1.8
110°-120°	64.9	0.9
120°-130°	34.9	0.5
130°-140°	17.1	0.2
140°-150°	5.9	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6364.1	92.7
0°-180°	6867.0	100.0

**Coefficient of Utilization**



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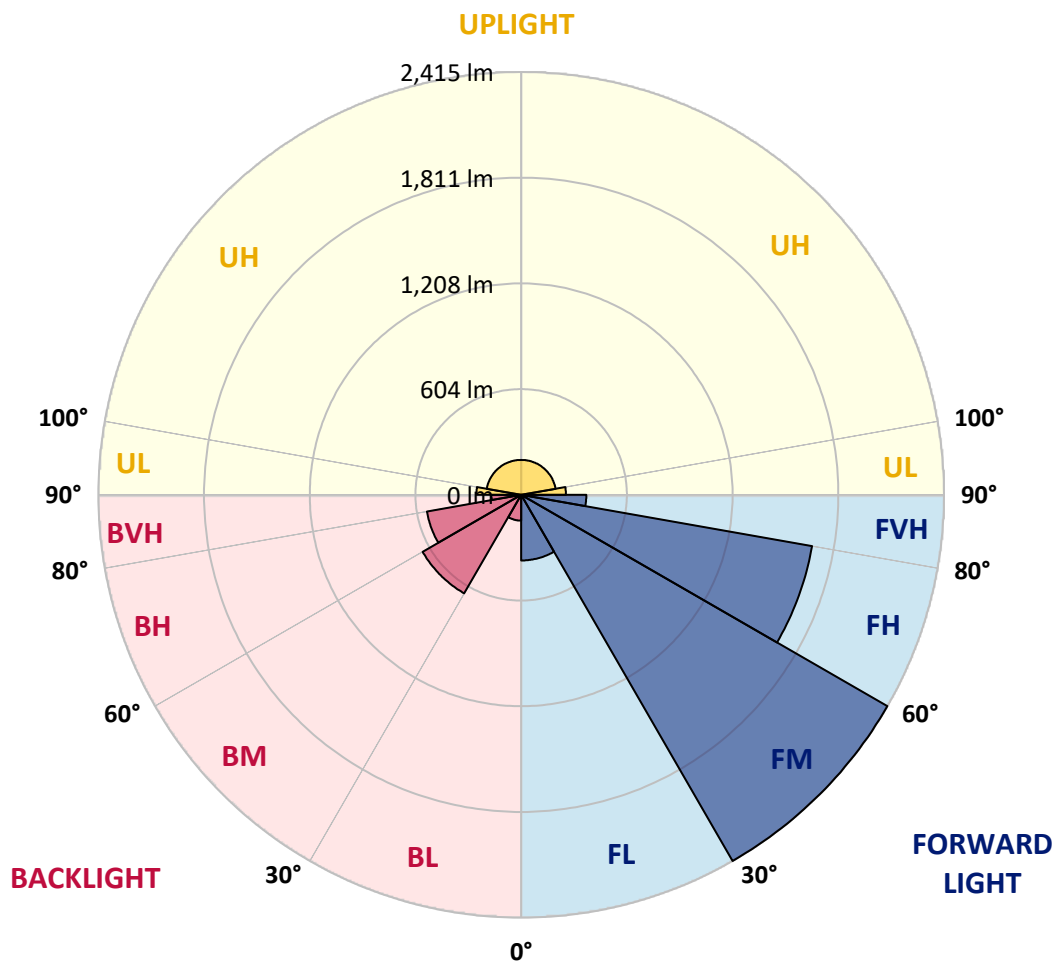
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2R-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.1	5.5			
FM	(30°-60°)	2415.1	35.2			
FH	(60°-80°)	1687.2	24.6			G1/1800
FVH	(80°-90°)	372.0	5.4			G3/500
BL	(0°-30°)	147.3	2.1	B1/500		
BM	(30°-60°)	650.0	9.5	B1/1000		
BH	(60°-80°)	546.9	8.0	B2/1000		G2/1000
BVH	(80°-90°)	170.4	2.5			G2/225
UL	(90°-100°)	255.8	3.7		U3/500	
UH	(100°-180°)	199.5	2.9		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°	76°	85°
0°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	369.1	365.8	364.1	363.3	357.4	351.6	344.9	338.3	330.8	329.1	322.4
5°	426.6	422.4	420.8	415.8	407.4	397.4	383.3	369.9	353.3	354.1	339.1
7.5°	492.4	489.1	484.1	476.6	464.1	450.8	429.9	409.9	387.4	384.9	363.3
10°	567.4	564.9	559.9	548.2	532.4	509.9	489.1	459.1	427.4	425.8	394.1
12.5°	657.4	654.1	639.9	628.2	607.4	586.6	554.9	519.1	484.9	480.7	441.6
15°	759.0	754.0	744.0	725.7	703.2	669.0	635.7	599.9	554.9	547.4	501.6
17.5°	863.2	863.2	850.7	829.0	798.2	768.2	731.5	686.5	629.9	629.1	568.2
20°	994.0	992.3	973.2	941.5	910.7	879.0	834.9	784.0	720.7	714.9	640.7
22.5°	1135.6	1134.0	1110.6	1076.5	1036.5	991.5	942.3	889.0	819.9	812.4	725.7
25°	1288.9	1288.1	1263.9	1211.5	1160.6	1118.1	1067.3	1008.2	928.2	926.5	822.4
27.5°	1475.6	1466.4	1428.9	1364.8	1300.6	1245.6	1186.5	1133.1	1053.1	1040.7	924.8
30°	1655.5	1650.5	1599.7	1530.6	1442.2	1369.8	1309.8	1268.9	1186.5	1174.8	1044.8
32.5°	1841.3	1838.0	1776.4	1696.4	1587.2	1497.2	1450.6	1406.4	1327.3	1322.3	1163.1
35°	2047.1	2033.8	1963.0	1853.0	1726.4	1625.5	1583.9	1563.9	1485.6	1467.2	1293.1
37.5°	2215.4	2205.4	2141.3	2007.1	1858.0	1749.7	1718.0	1704.7	1637.2	1629.7	1433.9
40°	2377.9	2370.4	2292.1	2147.1	1977.2	1868.8	1837.2	1859.7	1805.5	1793.9	1575.6
42.5°	2495.4	2485.4	2412.9	2258.8	2080.5	1966.3	1965.5	2017.1	1978.0	1965.5	1722.2
45°	2565.4	2555.4	2495.4	2347.1	2161.3	2051.3	2070.5	2161.3	2149.6	2134.6	1856.3
47.5°	2572.1	2566.2	2522.9	2385.4	2210.4	2118.0	2173.0	2302.9	2315.4	2301.3	1999.7
50°	2511.2	2517.1	2489.6	2380.4	2227.9	2161.3	2256.3	2437.1	2482.9	2466.2	2142.1
52.5°	2396.2	2389.6	2401.2	2323.8	2209.6	2176.3	2312.9	2549.6	2633.7	2617.0	2273.8
55°	2204.6	2209.6	2250.4	2221.3	2152.1	2158.8	2347.1	2638.7	2770.3	2757.0	2392.9
57.5°	2003.0	1991.3	2064.6	2069.6	2050.5	2112.1	2351.3	2706.2	2891.2	2877.0	2495.4
60°	1738.9	1767.2	1833.0	1889.7	1923.0	2034.6	2323.8	2741.2	2979.5	2975.3	2577.9
62.5°	1510.6	1516.4	1605.6	1691.4	1771.4	1925.5	2262.9	2740.4	3037.0	3032.0	2627.0
64°	1365.6	1384.8	1468.9	1573.1	1668.9	1847.2	2212.9	2717.0	3046.1	3042.0	2635.4
65°	1286.4	1283.9	1384.8	1489.7	1593.1	1788.0	2162.1	2692.0	3037.8	3037.8	2632.0
67.5°	1069.0	1077.3	1165.6	1286.4	1413.9	1631.4	2032.1	2602.9	2982.8	2988.6	2583.7
70°	881.5	894.0	990.7	1098.1	1239.0	1473.9	1871.3	2442.1	2853.7	2862.0	2479.6
72.5°	727.4	741.5	812.4	920.7	1076.5	1308.1	1689.7	2240.4	2671.2	2674.5	2305.4
75°	591.6	607.4	679.0	773.2	908.2	1129.8	1491.4	2021.3	2405.4	2422.1	2080.5
77.5°	481.6	498.2	564.1	649.1	777.4	966.5	1294.8	1768.0	2123.0	2133.0	1823.0
80°	389.1	406.6	464.9	544.9	656.6	823.2	1110.6	1508.9	1818.0	1818.0	1558.1
82.5°	315.8	330.8	383.3	452.4	554.1	694.9	933.2	1253.9	1503.1	1503.9	1287.3
85°	255.0	264.1	315.8	376.6	460.8	582.4	771.5	1020.7	1212.3	1194.8	1037.3
87.5°	205.0	213.3	256.6	315.8	382.4	485.7	633.2	830.7	953.2	959.0	828.2
90°	165.0	170.0	210.0	260.0	321.6	401.6	514.9	660.7	749.9	742.4	649.1
92.5°	134.1	140.0	174.1	219.1	270.8	337.4	424.1	523.2	580.7	582.4	507.4
95°	110.0	113.3	145.0	185.0	231.6	282.5	345.8	416.6	455.8	450.8	394.9
97.5°	91.7	93.3	122.5	158.3	196.6	238.3	288.3	331.6	353.3	349.9	309.1
100°	77.5	79.2	104.1	137.5	170.0	203.3	238.3	267.5	275.0	270.8	243.3
102.5°	67.5	68.3	89.2	119.1	146.6	174.1	198.3	216.6	215.8	215.8	192.5
105°	59.2	60.0	77.5	104.1	129.1	150.8	167.5	176.6	173.3	171.6	154.1
107.5°	53.3	54.2	68.3	91.7	114.1	130.8	143.3	145.8	139.1	137.5	125.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	48.3	48.3	60.0	80.8	100.8	114.1	122.5	122.5	112.5	111.6	103.3
112.5°	44.2	45.0	54.2	71.7	89.2	100.8	105.8	101.6	92.5	91.7	87.5
115°	40.8	41.7	48.3	64.2	79.2	89.2	91.7	85.8	76.7	75.8	72.5
117.5°	38.3	39.2	44.2	56.7	70.8	78.3	79.2	73.3	64.2	63.3	62.5
120°	36.7	36.7	40.8	50.8	62.5	69.2	68.3	62.5	55.0	54.2	54.2
122.5°	35.0	35.0	37.5	45.0	55.0	60.8	60.0	53.3	46.7	46.7	46.7
125°	33.3	33.3	35.0	40.8	49.2	53.3	51.7	45.8	40.0	40.0	41.7
127.5°	31.7	31.7	32.5	35.8	43.3	45.8	44.2	38.3	35.0	35.0	35.8
130°	30.0	30.0	30.0	32.5	37.5	39.2	37.5	32.5	30.0	30.0	31.7
132.5°	28.3	28.3	28.3	28.3	31.7	33.3	30.8	26.7	25.8	26.7	27.5
135°	26.7	26.7	25.8	25.0	26.7	27.5	25.0	22.5	22.5	22.5	24.2
137.5°	25.0	24.2	23.3	22.5	21.7	21.7	20.0	17.5	19.2	19.2	20.8
140°	22.5	21.7	20.8	19.2	17.5	16.7	15.0	14.2	15.8	15.8	16.7
142.5°	20.0	19.2	18.3	15.8	13.3	11.7	10.0	10.8	12.5	12.5	13.3
145°	16.7	16.7	15.0	12.5	10.0	8.3	6.7	7.5	9.2	9.2	10.0
147.5°	14.2	13.3	12.5	10.0	6.7	5.0	3.3	5.0	6.7	6.7	7.5
150°	10.8	10.0	9.2	6.7	4.2	1.7	1.7	3.3	4.2	4.2	5.0
152.5°	7.5	7.5	6.7	4.2	1.7	0.0	0.8	1.7	2.5	2.5	3.3
155°	5.0	4.2	3.3	2.5	0.8	0.0	0.0	0.8	1.7	1.7	1.7
157.5°	2.5	2.5	1.7	1.7	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	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°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	318.3	314.9	307.4	300.8	294.1	288.3	285.0	280.8	280.0	279.1	279.1
5°	329.9	322.4	307.4	293.3	280.0	269.1	260.8	252.5	248.3	246.6	245.8
7.5°	349.9	338.3	314.1	292.4	272.5	255.8	242.5	232.5	226.6	223.3	222.5
10°	377.4	360.8	327.4	297.4	270.8	249.1	232.5	220.8	213.3	210.0	209.1
12.5°	420.8	394.1	352.4	309.9	275.0	248.3	229.1	216.6	213.3	210.0	210.0
15°	469.9	443.3	385.8	333.3	288.3	253.3	236.6	228.3	223.3	220.8	220.0
17.5°	533.2	492.4	423.3	358.3	304.9	271.6	250.0	240.8	235.8	233.3	232.5
20°	598.2	549.9	464.9	385.8	327.4	293.3	267.5	253.3	248.3	245.8	245.0
22.5°	675.7	617.4	508.2	414.9	353.3	313.3	284.1	267.5	261.6	259.1	260.0
25°	754.9	692.4	554.9	445.8	377.4	329.9	299.9	280.8	276.6	273.3	273.3
27.5°	851.5	768.2	602.4	480.7	398.3	344.9	314.1	294.9	287.4	287.4	286.6
30°	953.2	849.0	654.1	510.7	416.6	358.3	324.9	307.4	299.9	299.1	299.1
32.5°	1052.3	935.7	704.9	540.7	430.8	367.4	334.9	318.3	309.1	308.3	309.1
35°	1168.1	1024.0	752.4	564.9	443.3	374.9	342.4	327.4	317.4	316.6	316.6
37.5°	1278.1	1114.8	798.2	584.1	451.6	379.9	348.3	334.9	324.1	323.3	322.4
40°	1393.1	1200.6	839.9	599.9	455.8	383.3	351.6	339.9	329.9	326.6	326.6
42.5°	1509.7	1287.3	874.8	609.1	458.3	384.1	354.1	343.3	334.1	328.3	328.3
45°	1618.9	1361.4	904.0	614.1	458.3	384.9	355.8	345.8	337.4	329.9	329.1
47.5°	1738.9	1436.4	926.5	614.9	455.8	383.3	356.6	348.3	339.1	330.8	329.9
50°	1843.8	1507.2	940.7	612.4	452.4	382.4	357.4	349.1	341.6	331.6	331.6
52.5°	1936.3	1563.9	947.3	605.7	448.3	380.8	357.4	350.8	344.1	333.3	332.4
55°	2018.0	1608.1	946.5	595.7	441.6	378.3	356.6	350.8	345.8	334.1	334.1
57.5°	2088.0	1638.9	939.0	584.1	434.9	376.6	356.6	351.6	347.4	336.6	336.6
60°	2135.5	1656.4	924.0	569.9	428.3	373.3	355.8	352.4	349.9	339.1	339.9
62.5°	2158.0	1653.9	900.7	554.9	420.8	369.9	354.1	351.6	350.8	342.4	342.4
64°	2156.3	1642.2	884.8	544.1	415.8	368.3	353.3	350.8	351.6	344.1	344.1
65°	2145.5	1625.5	868.2	535.7	411.6	366.6	351.6	349.9	351.6	344.1	344.1
67.5°	2093.0	1573.9	825.7	514.9	400.8	359.1	346.6	345.8	348.3	343.3	342.4
70°	1988.8	1492.2	779.9	488.2	387.4	350.8	339.1	338.3	341.6	337.4	335.8
72.5°	1847.2	1378.9	724.0	460.8	371.6	339.1	329.1	328.3	329.9	327.4	324.9
75°	1668.9	1245.6	661.6	429.9	354.1	324.1	314.9	313.3	315.8	312.4	310.8
77.5°	1470.6	1098.1	595.7	397.4	331.6	307.4	298.3	295.8	295.8	291.6	287.4
80°	1252.3	947.3	529.9	364.1	308.3	286.6	279.1	275.8	273.3	266.6	262.5
82.5°	1045.7	805.7	462.4	329.9	283.3	264.1	256.6	252.5	246.6	238.3	232.5
85°	850.7	670.7	400.8	293.3	258.3	240.0	234.1	226.6	219.1	210.0	202.5
87.5°	683.2	549.1	345.8	260.8	230.0	215.8	209.1	199.1	191.6	181.6	175.0
90°	542.4	449.9	295.8	229.1	205.0	192.5	186.6	176.6	165.8	155.0	149.1
92.5°	437.4	366.6	255.0	202.5	183.3	172.5	165.0	155.0	142.5	131.6	127.5
95°	347.4	296.6	217.5	179.1	162.5	152.5	145.0	135.8	122.5	110.0	106.6
97.5°	275.0	244.1	185.8	157.5	144.1	135.8	127.5	119.1	105.8	93.3	91.7
100°	220.8	198.3	159.1	139.1	127.5	120.0	113.3	104.1	91.7	78.3	78.3
102.5°	178.3	164.1	136.6	122.5	113.3	106.6	100.0	91.7	79.2	67.5	66.7
105°	145.8	135.8	117.5	108.3	100.8	95.8	89.2	80.0	68.3	57.5	56.7
107.5°	121.6	112.5	101.6	95.8	90.0	85.0	80.0	70.8	59.2	50.0	50.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	100.0	96.6	88.3	84.2	80.8	75.8	70.8	61.7	50.8	44.2	44.2
112.5°	85.0	81.7	77.5	75.0	71.7	68.3	62.5	54.2	44.2	39.2	39.2
115°	71.7	70.0	67.5	65.8	64.2	60.8	55.0	46.7	37.5	34.2	35.0
117.5°	62.5	61.7	60.0	59.2	57.5	53.3	48.3	40.8	32.5	30.8	30.8
120°	54.2	54.2	52.5	52.5	50.8	47.5	41.7	35.0	28.3	27.5	27.5
122.5°	47.5	47.5	46.7	46.7	45.0	41.7	36.7	30.0	24.2	24.2	25.0
125°	41.7	41.7	40.8	40.8	40.0	36.7	31.7	25.8	21.7	21.7	21.7
127.5°	36.7	36.7	36.7	35.8	34.2	31.7	26.7	21.7	19.2	19.2	19.2
130°	32.5	32.5	31.7	31.7	30.0	26.7	22.5	18.3	15.8	17.5	17.5
132.5°	28.3	28.3	28.3	26.7	25.0	22.5	18.3	15.0	14.2	15.0	15.0
135°	24.2	25.0	24.2	23.3	21.7	18.3	15.0	12.5	12.5	13.3	13.3
137.5°	20.8	20.8	20.8	19.2	17.5	15.0	11.7	10.0	10.8	11.7	11.7
140°	17.5	17.5	16.7	15.8	14.2	11.7	9.2	7.5	9.2	10.0	10.0
142.5°	14.2	14.2	13.3	12.5	10.0	8.3	5.8	5.8	7.5	8.3	8.3
145°	10.8	10.8	10.0	9.2	7.5	5.0	4.2	5.0	6.7	6.7	6.7
147.5°	7.5	7.5	7.5	5.8	4.2	2.5	1.7	3.3	5.0	5.0	5.8
150°	5.0	5.0	5.0	4.2	2.5	0.8	0.8	2.5	3.3	4.2	4.2
152.5°	3.3	3.3	3.3	2.5	1.7	0.0	0.0	1.7	2.5	2.5	2.5
155°	1.7	1.7	1.7	1.7	0.8	0.0	0.0	0.8	1.7	1.7	1.7
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.7	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	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)