

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: P415879

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415879  
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-PA1-60-730-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA 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: 6297 lumens  
Efficiency: N/A  
Efficacy: 98.4 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): 64  
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

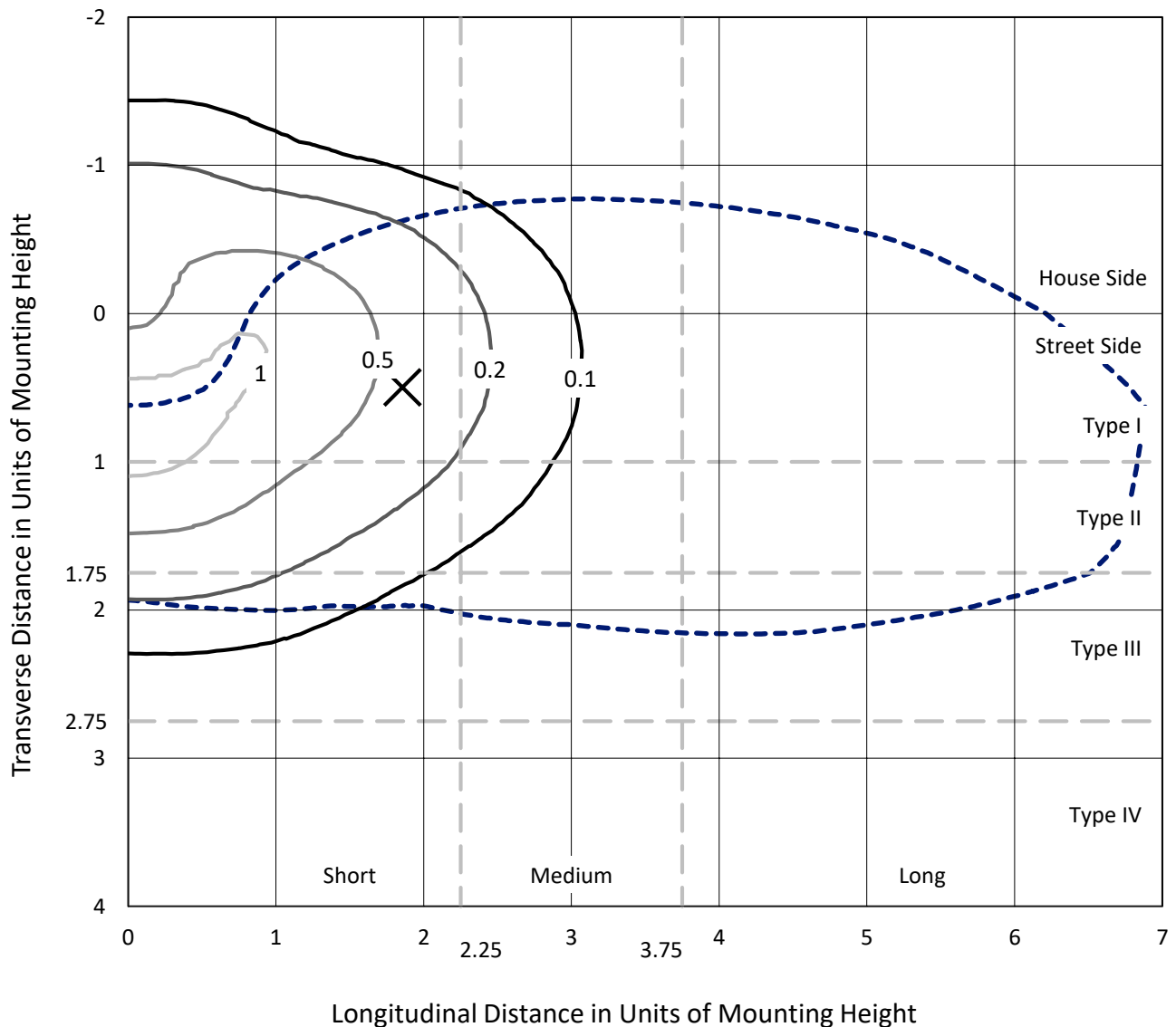


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

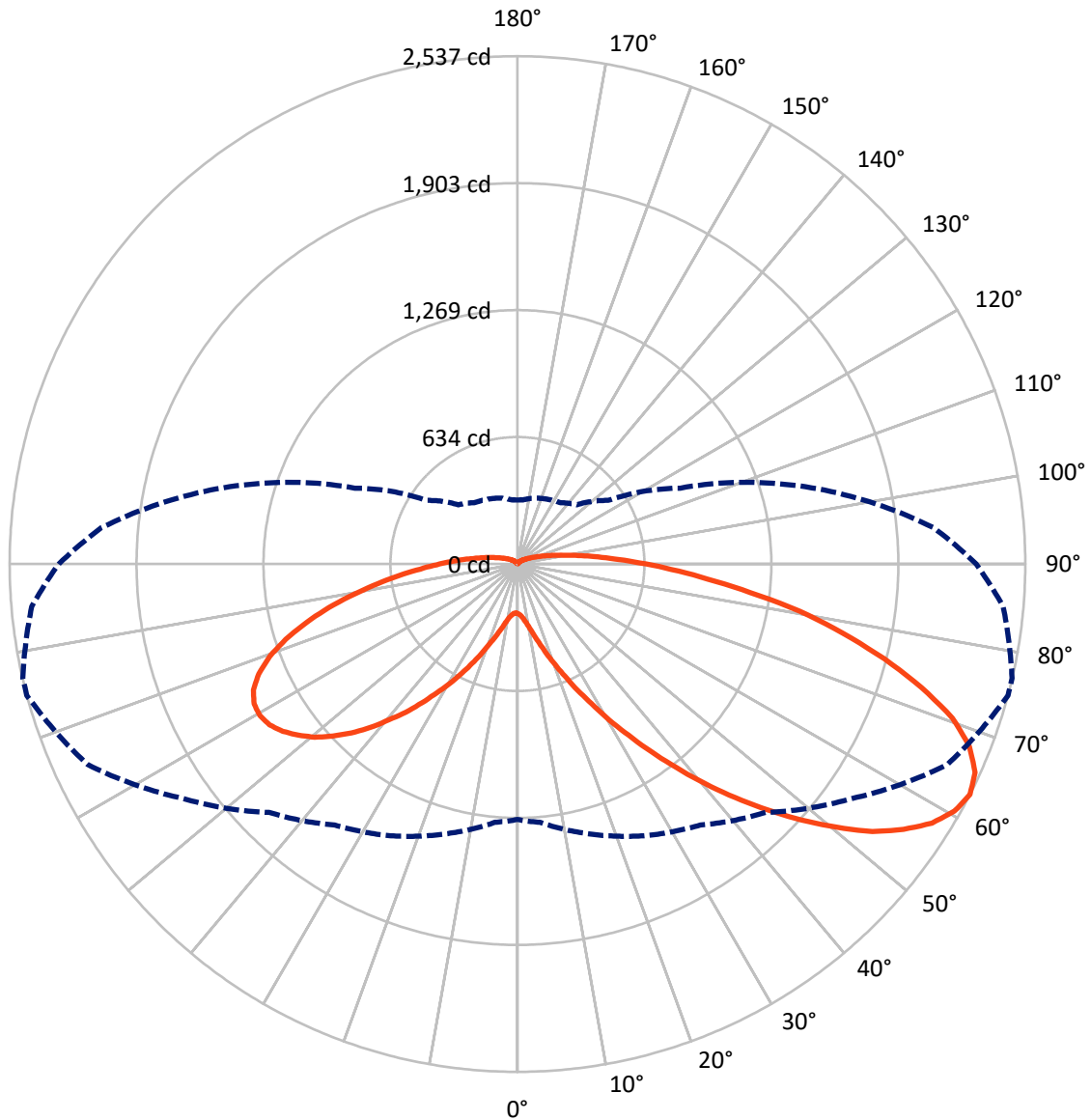


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Short - Non-Cutoff

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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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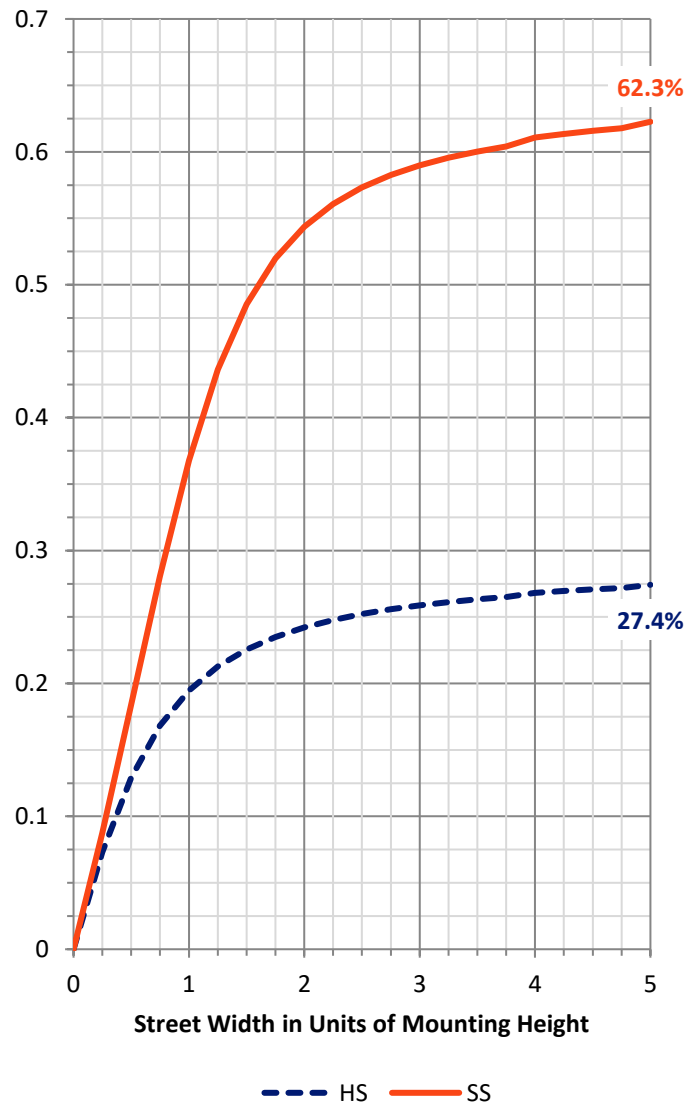
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1800.8	191.5	1992.3
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	4041.8	262.9	4304.7
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	5842.6	454.4	6297.0
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	0.4
10°-20°	109.6	1.7
20°-30°	283.6	4.5
30°-40°	580.2	9.2
40°-50°	962.2	15.3
50°-60°	1248.3	19.8
60°-70°	1229.4	19.5
70°-80°	903.4	14.3
80°-90°	500.0	7.9
90°-100°	236.1	3.7
100°-110°	112.8	1.8
110°-120°	57.6	0.9
120°-130°	29.8	0.5
130°-140°	13.7	0.2
140°-150°	4.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5842.6	92.8
0°-180°	6297.0	100.0



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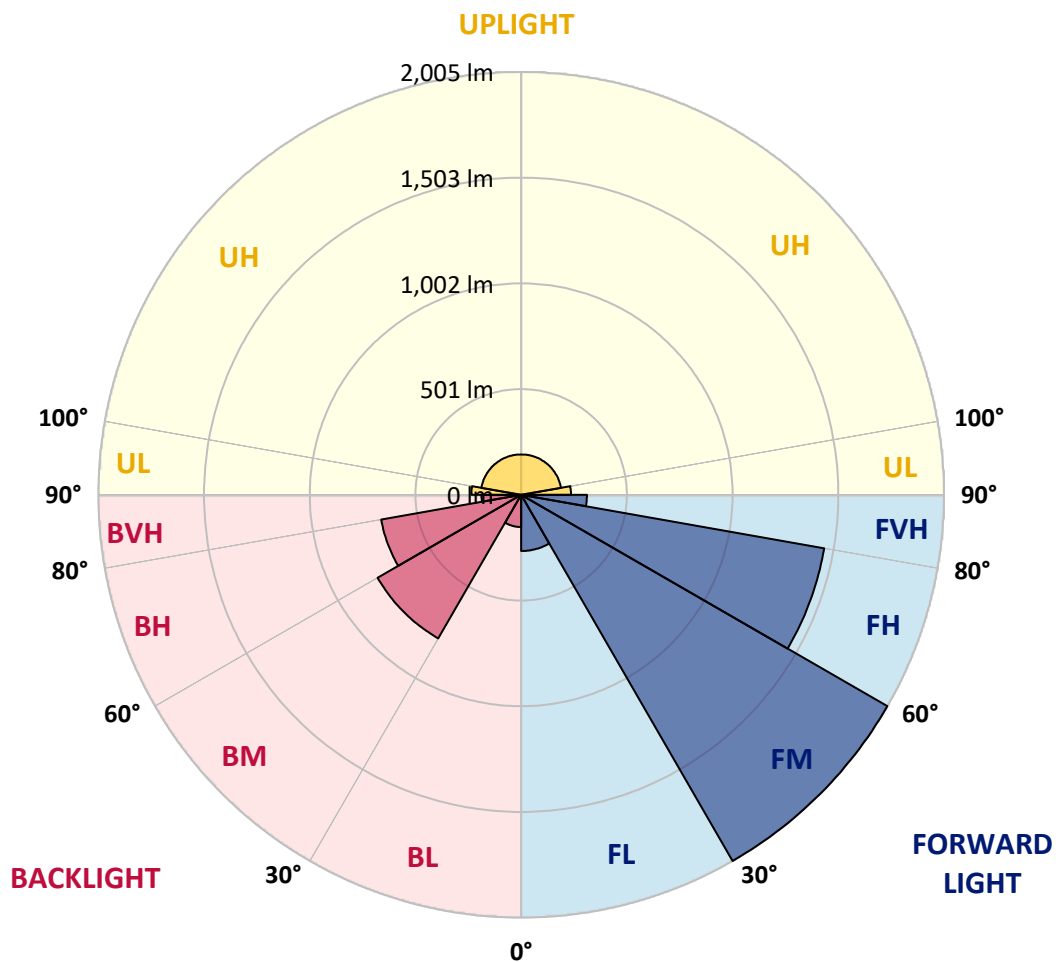
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.4	4.2			
FM (30°-60°)	2004.6	31.8			
FH (60°-80°)	1459.2	23.2			G1/1800
FVH (80°-90°)	311.6	4.9			G3/500
BL (0°-30°)	152.8	2.4	B1/500		
BM (30°-60°)	786.1	12.5	B1/1000		
BH (60°-80°)	673.6	10.7	B2/1000		G2/1000
BVH (80°-90°)	188.4	3.0			G2/225
UL (90°-100°)	236.1	3.7		U3/500	
UH (100°-180°)	191.5	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°	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
2.5°	275.6	273.4	271.9	269.7	268.2	265.2	262.2	257.8	254.1	253.3	250.4
5°	304.6	300.9	300.9	297.2	292.0	288.2	282.3	274.9	268.9	265.2	262.2
7.5°	341.7	338.8	335.0	332.1	326.9	320.2	312.0	302.4	290.5	288.2	280.8
10°	383.3	381.8	378.9	372.9	366.2	357.3	346.2	334.3	320.9	318.7	306.1
12.5°	438.3	438.3	433.8	425.7	416.0	399.7	390.0	377.4	361.8	359.6	341.7
15°	505.9	502.9	497.0	482.9	471.7	458.4	446.5	430.1	409.3	405.6	389.3
17.5°	580.2	574.3	571.3	557.9	543.1	526.7	510.4	492.5	469.5	463.6	444.2
20°	663.4	667.1	656.0	641.1	618.8	602.5	583.9	560.9	535.6	531.2	508.1
22.5°	768.2	765.2	749.6	728.8	707.2	689.4	665.6	642.6	608.4	604.0	577.2
25°	884.0	881.1	861.0	835.0	810.5	778.6	751.1	726.5	698.3	691.6	659.7
27.5°	997.7	1012.6	982.1	950.2	921.2	885.5	852.8	821.6	789.7	784.5	751.1
30°	1153.0	1156.7	1121.0	1077.2	1037.8	993.2	959.1	930.8	903.4	886.3	855.8
32.5°	1314.9	1303.0	1274.8	1221.3	1158.9	1109.1	1071.3	1045.3	1019.2	1010.3	965.8
35°	1475.4	1475.4	1431.6	1359.5	1277.8	1227.3	1190.1	1174.5	1150.7	1136.6	1086.9
37.5°	1632.9	1630.6	1586.1	1501.4	1417.4	1348.4	1324.6	1306.7	1290.4	1276.3	1215.4
40°	1788.1	1784.4	1730.9	1648.5	1550.4	1479.1	1459.8	1462.8	1443.4	1424.1	1363.2
42.5°	1912.9	1911.5	1869.1	1786.7	1669.3	1606.1	1586.8	1604.6	1595.7	1577.2	1505.8
45°	2012.5	2005.8	1972.4	1888.4	1782.2	1715.3	1720.5	1763.6	1753.2	1744.3	1655.9
47.5°	2054.1	2053.4	2034.8	1962.0	1863.9	1817.1	1846.8	1907.0	1910.7	1903.3	1804.5
50°	2043.0	2045.9	2044.4	1999.9	1919.6	1895.9	1953.1	2055.6	2067.5	2060.0	1958.3
52.5°	1977.6	1979.1	2003.6	1984.3	1939.0	1945.6	2047.4	2178.9	2220.5	2200.4	2094.2
55°	1839.4	1858.0	1906.3	1917.4	1911.5	1956.8	2103.9	2277.0	2340.1	2333.4	2212.3
57.5°	1696.8	1687.9	1756.9	1810.4	1841.6	1927.1	2122.4	2346.8	2441.9	2433.0	2317.8
60°	1488.8	1502.1	1586.8	1663.3	1729.5	1855.7	2105.4	2383.9	2508.0	2502.8	2395.1
62.5°	1276.3	1295.6	1395.9	1497.7	1592.0	1754.7	2041.5	2369.8	2537.0	2536.2	2435.9
65°	1076.5	1097.3	1189.4	1312.7	1433.0	1618.0	1930.0	2309.7	2512.5	2513.9	2428.5
67.5°	898.9	910.0	1006.6	1142.6	1259.9	1457.6	1786.7	2190.8	2435.2	2443.4	2369.1
70°	740.7	748.8	842.4	963.5	1099.5	1278.5	1612.8	2038.5	2305.9	2308.9	2262.1
72.5°	607.7	615.1	705.0	812.7	938.3	1121.8	1433.8	1830.5	2111.3	2141.0	2097.2
75°	485.9	500.7	578.0	682.7	794.9	958.3	1244.3	1606.9	1892.9	1918.1	1911.5
77.5°	396.0	416.0	477.7	567.6	670.8	812.7	1054.9	1386.2	1661.9	1682.7	1687.9
80°	319.4	334.3	396.0	475.5	563.1	686.4	881.8	1170.8	1429.3	1431.6	1429.3
82.5°	259.3	270.4	325.4	397.4	474.7	577.2	739.2	976.9	1172.3	1196.1	1200.5
85°	211.0	219.2	266.7	331.3	396.7	483.6	609.9	797.9	952.4	976.9	968.7
87.5°	169.4	180.5	218.4	273.4	334.3	403.4	507.4	645.6	768.9	779.3	777.8
90°	138.9	142.6	180.5	227.3	282.3	335.0	414.5	520.0	612.1	630.7	618.1
92.5°	112.2	118.1	150.1	192.4	235.5	281.6	344.0	427.2	484.4	495.5	489.6
95°	94.3	97.3	126.3	161.2	198.4	240.0	283.8	341.0	383.3	387.0	388.5
97.5°	78.7	81.7	105.5	137.4	169.4	202.8	236.2	278.6	306.8	306.1	303.8
100°	67.6	69.1	90.6	119.6	147.8	172.4	198.4	224.4	241.4	246.6	238.5
102.5°	58.7	59.4	78.0	103.3	127.0	148.6	167.9	186.5	193.2	193.9	190.2
105°	52.0	52.7	68.3	89.1	110.7	127.0	141.9	153.0	156.0	156.0	151.6
107.5°	46.1	46.8	58.7	78.7	98.1	111.4	121.8	127.8	126.3	125.5	122.6
110°	42.3	42.3	52.0	69.8	85.4	97.3	105.5	106.2	102.5	102.5	99.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	38.6	38.6	46.1	61.7	75.8	86.2	91.4	89.9	84.7	83.2	83.2
115°	35.7	35.7	40.9	54.2	67.6	75.8	79.5	75.8	69.8	69.1	68.3
117.5°	33.4	33.4	37.1	48.3	59.4	66.9	69.1	65.4	58.7	57.9	57.9
120°	31.2	31.2	34.2	42.3	52.7	58.7	60.2	55.7	49.0	49.0	49.8
122.5°	29.7	29.7	31.2	37.9	46.8	52.0	52.0	47.5	41.6	41.6	42.3
125°	28.2	28.2	29.0	33.4	40.9	45.3	44.6	39.4	35.7	35.7	36.4
127.5°	26.7	26.7	26.7	29.7	35.7	39.4	38.6	33.4	30.5	30.5	31.9
130°	25.3	25.3	24.5	26.0	30.5	33.4	31.9	28.2	26.0	26.0	27.5
132.5°	23.8	23.8	22.3	23.0	26.0	27.5	26.0	23.0	22.3	22.3	23.0
135°	22.3	21.5	20.8	20.1	21.5	22.3	20.8	18.6	18.6	18.6	20.1
137.5°	20.1	20.1	18.6	17.1	17.1	17.1	16.3	14.1	14.9	15.6	16.3
140°	18.6	18.6	17.1	14.9	13.4	13.4	11.9	11.1	11.9	12.6	13.4
142.5°	16.3	16.3	14.9	12.6	10.4	8.9	8.2	7.4	8.9	9.7	9.7
145°	14.1	14.1	12.6	9.7	7.4	5.2	4.5	5.2	5.9	6.7	7.4
147.5°	11.9	11.1	9.7	7.4	3.7	2.2	1.5	3.0	3.7	3.7	4.5
150°	8.9	8.9	7.4	5.2	2.2	0.0	0.7	1.5	2.2	2.2	3.0
152.5°	6.7	5.9	5.2	3.0	0.0	0.0	0.0	0.0	0.7	1.5	1.5
155°	3.7	3.7	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	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°	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4	247.4
2.5°	248.9	246.6	243.7	241.4	239.2	236.2	234.8	232.5	232.5	232.5	234.0
5°	257.8	254.8	248.1	242.2	236.2	231.8	227.3	224.4	222.9	221.4	222.1
7.5°	274.1	270.4	260.0	249.6	241.4	233.3	227.3	222.1	219.9	219.2	219.2
10°	299.4	292.7	277.1	263.0	251.1	240.0	231.8	225.1	222.1	219.9	219.9
12.5°	333.6	323.9	305.3	286.0	268.2	253.3	241.4	236.2	234.0	232.5	233.3
15°	378.9	368.5	340.2	315.0	292.0	271.9	260.8	255.6	252.6	251.1	250.4
17.5°	431.6	416.8	382.6	349.9	320.9	298.6	284.5	276.4	271.2	268.2	268.9
20°	489.6	470.3	426.4	390.8	353.6	331.3	309.8	296.4	289.7	288.2	289.0
22.5°	554.9	534.9	484.4	432.4	393.7	360.3	334.3	317.2	309.0	308.3	308.3
25°	632.2	605.5	546.0	480.7	430.9	388.5	358.1	337.3	328.4	325.4	325.4
27.5°	719.9	684.2	610.7	535.6	467.3	413.8	378.1	354.4	344.7	342.5	342.5
30°	816.4	779.3	685.7	587.6	502.2	436.1	396.0	370.7	358.1	355.1	355.8
32.5°	922.7	874.4	756.3	643.3	532.7	453.9	407.8	382.6	368.5	364.8	364.8
35°	1037.8	981.4	840.2	697.6	561.6	468.0	416.8	390.8	375.2	371.4	370.7
37.5°	1167.1	1096.5	927.1	747.4	584.7	476.9	422.7	396.0	378.9	373.7	372.9
40°	1302.3	1221.3	1007.4	792.7	604.0	482.1	424.2	398.2	380.4	372.2	371.4
42.5°	1428.6	1339.4	1098.7	834.3	615.9	484.4	423.4	397.4	378.9	367.7	367.0
45°	1568.2	1459.0	1182.7	872.2	623.3	482.9	420.5	393.7	375.9	361.8	360.3
47.5°	1714.6	1589.0	1259.9	899.6	626.3	478.4	416.8	390.8	370.7	355.1	353.6
50°	1846.8	1700.5	1332.0	921.2	624.8	471.7	410.8	386.3	366.2	348.4	346.9
52.5°	1976.1	1817.1	1388.5	933.1	617.3	464.3	405.6	381.1	361.0	342.5	340.2
55°	2093.5	1909.2	1439.0	938.3	607.7	454.7	398.2	376.6	356.6	336.5	334.3
57.5°	2184.1	1996.2	1476.1	931.6	592.8	443.5	390.8	370.0	351.4	331.3	329.1
60°	2251.0	2053.4	1493.2	919.0	575.7	430.9	381.8	363.3	346.2	326.9	324.6
62.5°	2291.1	2085.3	1489.5	896.7	554.2	418.2	373.7	356.6	341.0	321.7	320.2
65°	2284.4	2072.7	1461.3	861.0	531.2	401.9	361.0	347.7	333.6	315.7	313.5
67.5°	2230.2	2021.4	1404.1	816.4	505.2	385.6	349.2	335.8	323.9	308.3	303.8
70°	2133.6	1927.1	1321.6	760.7	475.5	367.0	335.0	322.4	312.0	297.2	292.7
72.5°	1970.9	1789.6	1216.9	702.8	443.5	345.4	316.5	306.1	294.9	283.0	277.8
75°	1785.2	1617.3	1093.5	634.4	409.3	323.9	297.2	286.8	276.4	263.7	259.3
77.5°	1583.1	1421.9	965.8	574.3	374.4	299.4	275.6	266.7	256.3	242.9	237.7
80°	1341.7	1213.1	829.8	505.2	339.5	275.6	253.3	243.7	232.5	219.9	214.7
82.5°	1124.0	1010.3	704.3	442.8	304.6	251.1	231.8	217.7	207.3	194.6	185.7
85°	919.0	839.5	590.6	380.4	271.9	225.8	206.5	194.6	182.8	167.9	162.0
87.5°	739.2	671.6	485.1	328.4	240.0	201.3	183.5	171.6	158.2	142.6	137.4
90°	584.7	543.1	403.4	282.3	212.5	180.5	162.7	150.1	135.2	121.1	118.1
92.5°	463.6	434.6	333.6	240.0	187.2	159.7	143.4	130.7	115.9	101.8	97.3
95°	372.9	344.7	273.4	209.5	164.2	140.4	126.3	114.4	99.5	85.4	82.5
97.5°	297.9	275.6	224.4	176.1	144.1	124.8	112.2	99.5	84.7	72.1	70.6
100°	233.3	219.9	185.7	151.6	127.0	110.7	98.8	87.7	72.8	60.2	59.4
102.5°	186.5	179.0	154.5	130.7	111.4	98.1	88.4	76.5	63.1	51.3	50.5
105°	150.1	145.6	128.5	112.2	98.8	87.7	78.7	66.9	53.5	43.8	43.8
107.5°	121.8	118.1	107.7	95.8	86.9	78.7	69.1	58.7	46.1	37.9	37.9
110°	99.5	98.1	91.4	83.2	76.5	69.8	60.9	50.5	39.4	33.4	33.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	83.2	82.5	77.3	72.8	67.6	61.7	54.2	44.6	34.2	29.0	29.7
115°	69.1	69.1	66.1	63.1	59.4	55.0	47.5	37.9	29.0	26.0	26.0
117.5°	58.7	57.9	57.2	55.0	52.7	48.3	40.9	32.7	24.5	23.0	23.8
120°	50.5	50.5	49.0	48.3	46.1	41.6	35.7	27.5	20.8	20.8	20.8
122.5°	43.1	43.8	42.3	41.6	40.1	37.1	30.5	23.0	18.6	17.8	18.6
125°	37.9	37.9	37.1	36.4	34.9	31.2	26.0	19.3	15.6	16.3	16.3
127.5°	31.9	32.7	31.9	31.2	30.5	26.7	21.5	15.6	13.4	14.1	14.1
130°	28.2	28.2	27.5	26.7	25.3	22.3	17.8	12.6	11.9	12.6	12.6
132.5°	23.8	23.8	23.8	22.3	20.8	18.6	14.1	10.4	9.7	11.1	11.1
135°	20.1	20.1	20.1	18.6	17.1	14.1	10.4	8.2	8.2	9.7	9.7
137.5°	16.3	17.1	16.3	14.9	13.4	11.1	8.2	5.9	6.7	8.2	8.2
140°	13.4	13.4	12.6	11.9	9.7	7.4	5.2	4.5	5.9	6.7	6.7
142.5°	10.4	10.4	9.7	8.2	6.7	5.2	3.0	3.0	4.5	5.2	5.2
145°	7.4	7.4	6.7	5.2	3.7	2.2	0.7	1.5	3.0	3.7	3.7
147.5°	4.5	4.5	4.5	3.7	2.2	0.7	0.0	0.7	1.5	2.2	2.2
150°	3.0	3.0	3.0	2.2	1.5	0.0	0.0	0.0	0.7	1.5	1.5
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	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)