

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: P416962

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416962  
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-PA1-80-830-U-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA 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: 6549 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

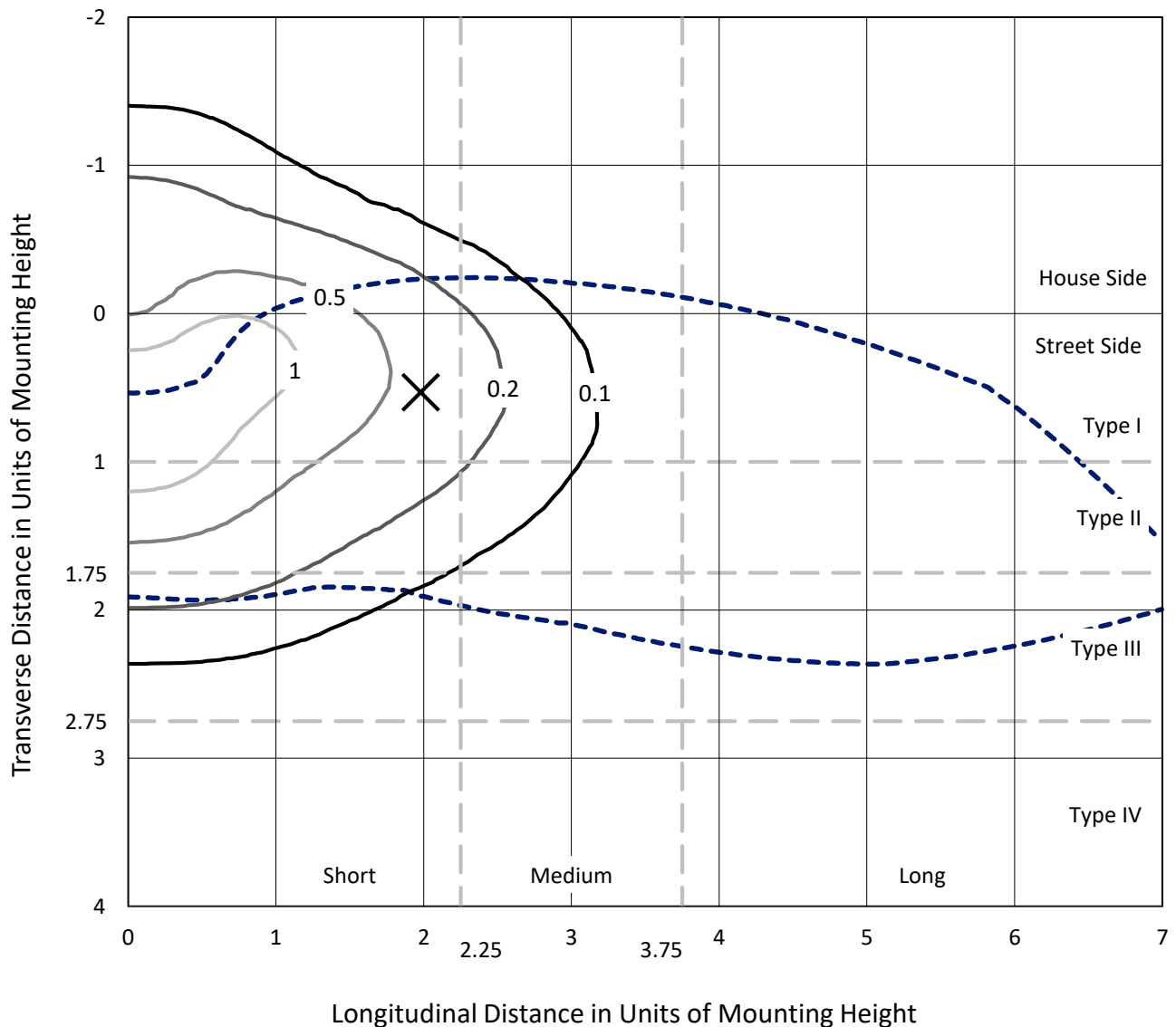
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

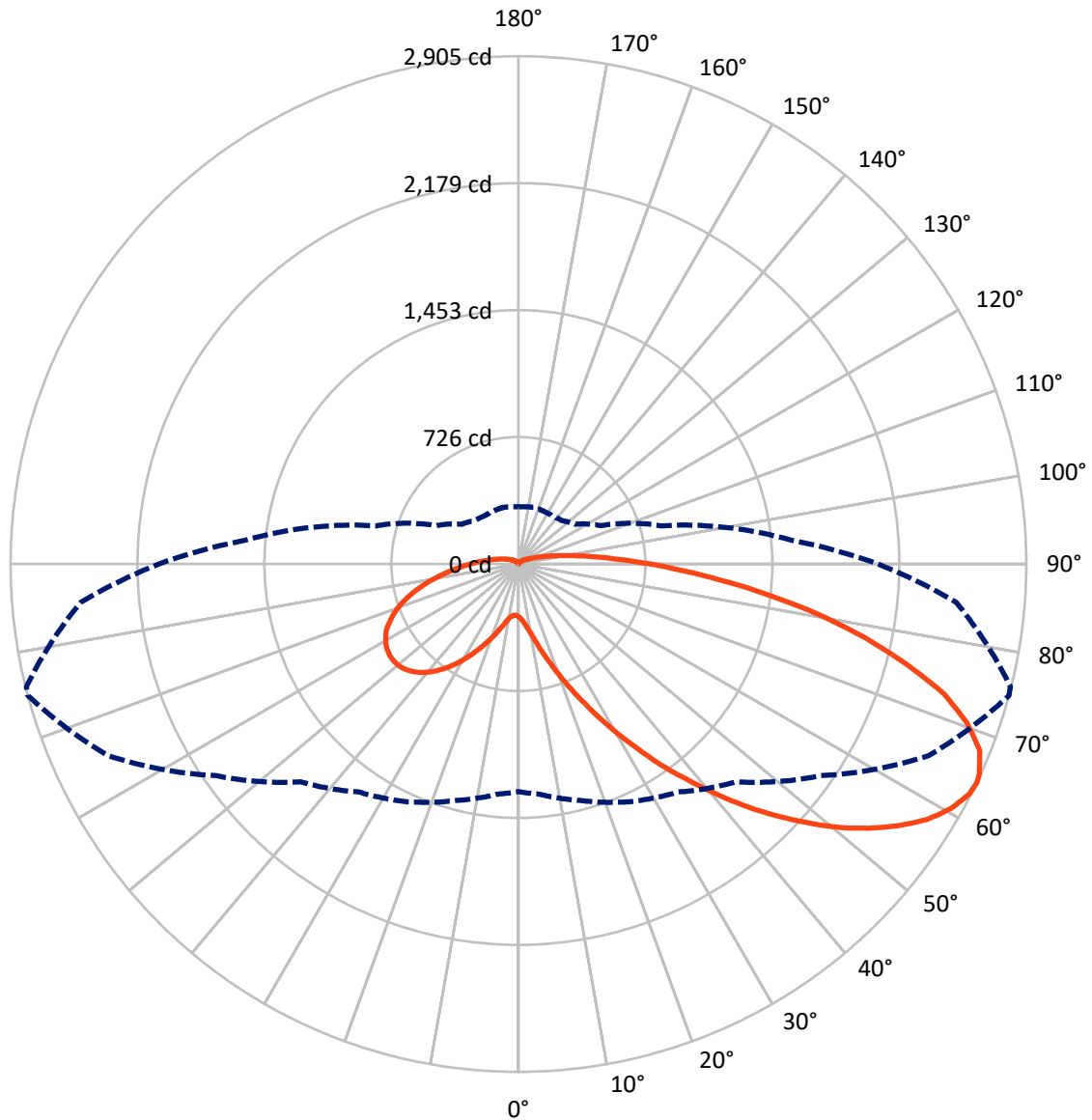


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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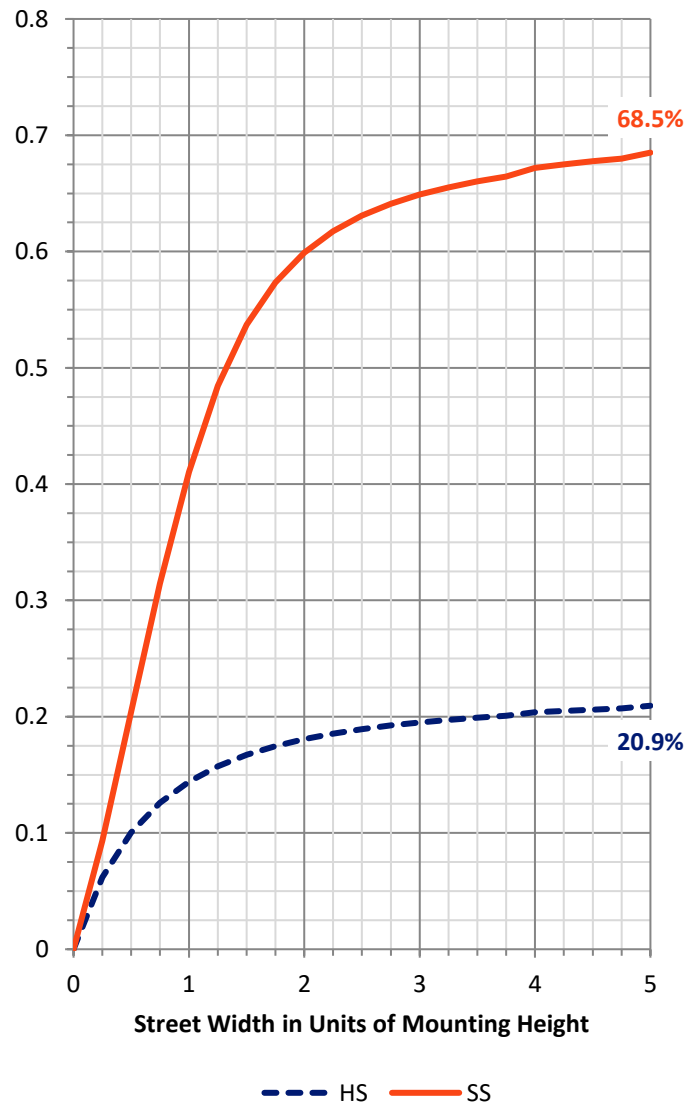
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1444.4	190.2	1634.7
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	4624.9	289.4	4914.3
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	6069.4	479.6	6549.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	0.5
10°-20°	132.1	2.0
20°-30°	334.4	5.1
30°-40°	654.9	10.0
40°-50°	1018.8	15.6
50°-60°	1249.4	19.1
60°-70°	1214.6	18.5
70°-80°	916.0	14.0
80°-90°	517.2	7.9
90°-100°	244.0	3.7
100°-110°	117.9	1.8
110°-120°	61.8	0.9
120°-130°	33.3	0.5
130°-140°	16.3	0.2
140°-150°	5.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6069.4	92.7
0°-180°	6549.0	100.0



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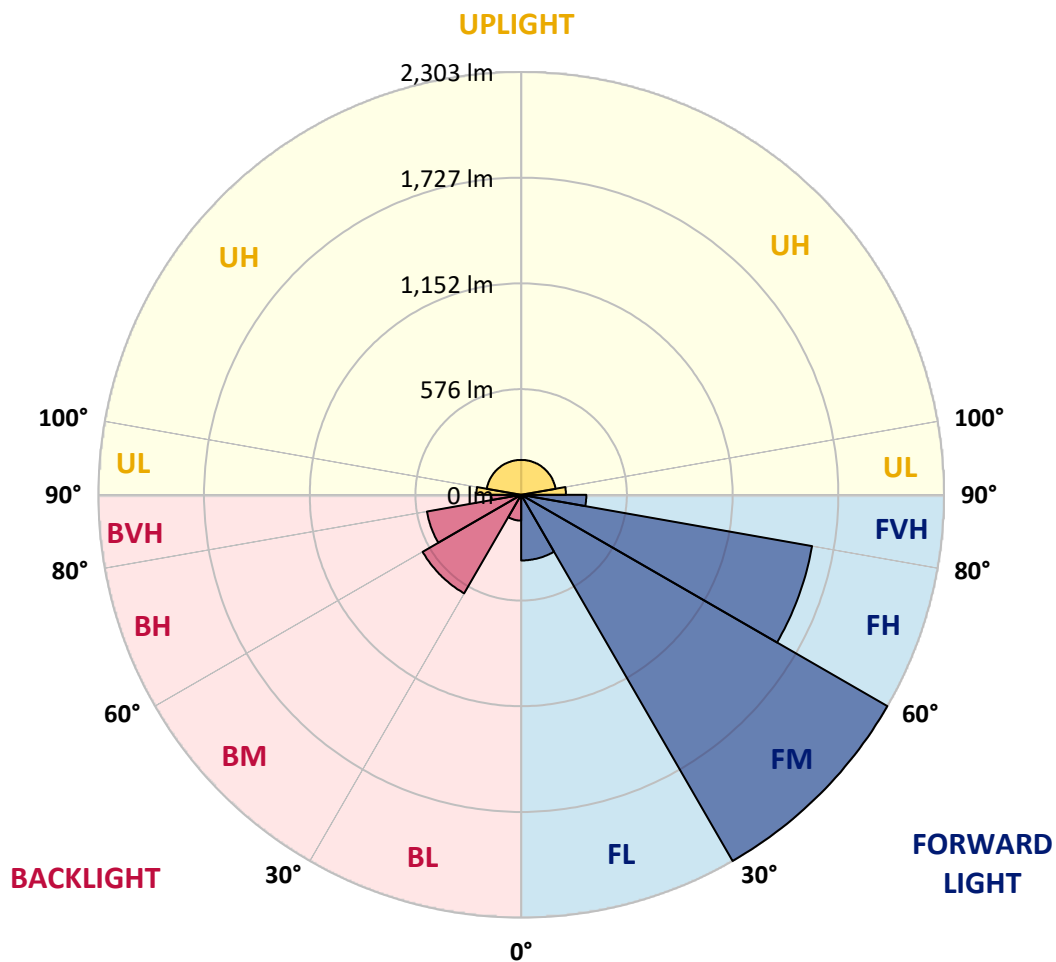
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2R-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.8	5.5			
FM (30°-60°)	2303.3	35.2			
FH (60°-80°)	1609.1	24.6			G1/1800
FVH (80°-90°)	354.7	5.4			G3/500
BL (0°-30°)	140.5	2.1	B1/500		
BM (30°-60°)	619.9	9.5	B1/1000		
BH (60°-80°)	521.5	8.0	B2/1000		G2/1000
BVH (80°-90°)	162.5	2.5			G2/225
UL (90°-100°)	244.0	3.7		U3/500	
UH (100°-180°)	190.2	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°	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9
2.5°	352.0	348.8	347.2	346.4	340.9	335.3	329.0	322.6	315.5	313.9	307.5
5°	406.8	402.9	401.3	396.5	388.6	379.0	365.5	352.8	336.9	337.7	323.4
7.5°	469.6	466.4	461.7	454.5	442.6	429.9	410.0	390.9	369.5	367.1	346.4
10°	541.1	538.7	534.0	522.8	507.8	486.3	466.4	437.8	407.6	406.0	375.8
12.5°	626.9	623.8	610.3	599.1	579.3	559.4	529.2	495.0	462.5	458.5	421.1
15°	723.9	719.1	709.6	692.1	670.6	638.1	606.3	572.1	529.2	522.1	478.4
17.5°	823.2	823.2	811.3	790.6	761.2	732.6	697.7	654.8	600.7	599.9	541.9
20°	948.0	946.4	928.1	897.9	868.5	838.3	796.2	747.7	687.3	681.8	611.1
22.5°	1083.0	1081.5	1059.2	1026.6	988.5	945.6	898.7	847.8	781.9	774.7	692.1
25°	1229.3	1228.5	1205.4	1155.4	1106.9	1066.4	1017.9	961.5	885.2	883.6	784.3
27.5°	1407.2	1398.5	1362.7	1301.6	1240.4	1187.9	1131.5	1080.7	1004.4	992.5	882.0
30°	1578.9	1574.1	1525.6	1459.7	1375.5	1306.3	1249.1	1210.2	1131.5	1120.4	996.4
32.5°	1756.1	1752.9	1694.1	1617.8	1513.7	1427.9	1383.4	1341.3	1265.8	1261.0	1109.3
35°	1952.3	1939.6	1872.1	1767.2	1646.4	1550.3	1510.5	1491.5	1416.8	1399.3	1233.2
37.5°	2112.9	2103.3	2042.1	1914.2	1772.0	1668.7	1638.5	1625.8	1561.4	1554.2	1367.5
40°	2267.8	2260.6	2186.0	2047.7	1885.6	1782.3	1752.1	1773.6	1721.9	1710.8	1502.6
42.5°	2379.8	2370.3	2301.2	2154.2	1984.1	1875.3	1874.5	1923.7	1886.4	1874.5	1642.4
45°	2446.6	2437.1	2379.8	2238.4	2061.2	1956.3	1974.6	2061.2	2050.1	2035.8	1770.4
47.5°	2452.9	2447.4	2406.1	2275.0	2108.1	2019.9	2072.3	2196.3	2208.2	2194.7	1907.0
50°	2394.9	2400.5	2374.3	2270.2	2124.8	2061.2	2151.8	2324.2	2367.9	2352.0	2042.9
52.5°	2285.3	2278.9	2290.0	2216.2	2107.3	2075.5	2205.8	2431.5	2511.7	2495.9	2168.5
55°	2102.5	2107.3	2146.2	2118.4	2052.5	2058.8	2238.4	2516.5	2642.1	2629.3	2282.1
57.5°	1910.2	1899.1	1969.0	1973.8	1955.5	2014.3	2242.4	2580.9	2757.3	2743.8	2379.8
60°	1658.3	1685.4	1748.1	1802.2	1833.9	1940.4	2216.2	2614.2	2841.5	2837.5	2458.5
62.5°	1440.6	1446.2	1531.2	1613.0	1689.3	1836.3	2158.1	2613.5	2896.3	2891.6	2505.4
64°	1302.4	1320.6	1400.9	1500.2	1591.6	1761.6	2110.5	2591.2	2905.1	2901.1	2513.3
65°	1226.9	1224.5	1320.6	1420.8	1519.3	1705.2	2062.0	2567.4	2897.1	2897.1	2510.2
67.5°	1019.5	1027.4	1111.7	1226.9	1348.4	1555.8	1938.0	2482.3	2844.7	2850.2	2464.1
70°	840.7	852.6	944.8	1047.3	1181.6	1405.7	1784.7	2329.0	2721.5	2729.5	2364.7
72.5°	693.7	707.2	774.7	878.0	1026.6	1247.5	1611.5	2136.7	2547.5	2550.7	2198.7
75°	564.2	579.3	647.6	737.4	866.1	1077.5	1422.3	1927.7	2294.0	2309.9	1984.1
77.5°	459.3	475.2	537.9	619.0	741.4	921.7	1234.8	1686.1	2024.7	2034.2	1738.6
80°	371.1	387.8	443.4	519.7	626.1	785.1	1059.2	1439.0	1733.8	1733.8	1485.9
82.5°	301.2	315.5	365.5	431.5	528.4	662.7	890.0	1195.9	1433.5	1434.3	1227.7
85°	243.1	251.9	301.2	359.2	439.4	555.4	735.8	973.4	1156.1	1139.5	989.3
87.5°	195.5	203.4	244.7	301.2	364.7	463.3	603.9	792.2	909.0	914.6	789.8
90°	157.3	162.1	200.2	247.9	306.7	383.0	491.1	630.1	715.1	708.0	619.0
92.5°	127.9	133.5	166.1	209.0	258.2	321.8	404.5	499.0	553.8	555.4	483.9
95°	104.9	108.1	138.3	176.4	220.9	269.4	329.8	397.3	434.6	429.9	376.6
97.5°	87.4	89.0	116.8	151.0	187.5	227.3	274.9	316.3	336.9	333.7	294.8
100°	73.9	75.5	99.3	131.1	162.1	193.9	227.3	255.1	262.2	258.2	232.0
102.5°	64.4	65.2	85.0	113.6	139.9	166.1	189.1	206.6	205.8	205.8	183.6
105°	56.4	57.2	73.9	99.3	123.2	143.8	159.7	168.5	165.3	163.7	147.0
107.5°	50.9	51.6	65.2	87.4	108.9	124.8	136.7	139.1	132.7	131.1	119.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	46.1	46.1	57.2	77.1	96.1	108.9	116.8	116.8	107.3	106.5	98.5
112.5°	42.1	42.9	51.6	68.3	85.0	96.1	100.9	96.9	88.2	87.4	83.4
115°	38.9	39.7	46.1	61.2	75.5	85.0	87.4	81.8	73.1	72.3	69.1
117.5°	36.6	37.3	42.1	54.0	67.5	74.7	75.5	69.9	61.2	60.4	59.6
120°	35.0	35.0	38.9	48.5	59.6	66.0	65.2	59.6	52.4	51.6	51.6
122.5°	33.4	33.4	35.8	42.9	52.4	58.0	57.2	50.9	44.5	44.5	44.5
125°	31.8	31.8	33.4	38.9	46.9	50.9	49.3	43.7	38.1	38.1	39.7
127.5°	30.2	30.2	31.0	34.2	41.3	43.7	42.1	36.6	33.4	33.4	34.2
130°	28.6	28.6	28.6	31.0	35.8	37.3	35.8	31.0	28.6	28.6	30.2
132.5°	27.0	27.0	27.0	27.0	30.2	31.8	29.4	25.4	24.6	25.4	26.2
135°	25.4	25.4	24.6	23.8	25.4	26.2	23.8	21.5	21.5	21.5	23.0
137.5°	23.8	23.0	22.2	21.5	20.7	20.7	19.1	16.7	18.3	18.3	19.9
140°	21.5	20.7	19.9	18.3	16.7	15.9	14.3	13.5	15.1	15.1	15.9
142.5°	19.1	18.3	17.5	15.1	12.7	11.1	9.5	10.3	11.9	11.9	12.7
145°	15.9	15.9	14.3	11.9	9.5	7.9	6.4	7.2	8.7	8.7	9.5
147.5°	13.5	12.7	11.9	9.5	6.4	4.8	3.2	4.8	6.4	6.4	7.2
150°	10.3	9.5	8.7	6.4	4.0	1.6	1.6	3.2	4.0	4.0	4.8
152.5°	7.2	7.2	6.4	4.0	1.6	0.0	0.8	1.6	2.4	2.4	3.2
155°	4.8	4.0	3.2	2.4	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	2.4	2.4	1.6	1.6	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°	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9	301.9
2.5°	303.5	300.4	293.2	286.9	280.5	274.9	271.8	267.8	267.0	266.2	266.2
5°	314.7	307.5	293.2	279.7	267.0	256.7	248.7	240.8	236.8	235.2	234.4
7.5°	333.7	322.6	299.6	278.9	259.8	243.9	231.2	221.7	216.1	213.0	212.2
10°	360.0	344.1	312.3	283.7	258.2	237.6	221.7	210.6	203.4	200.2	199.4
12.5°	401.3	375.8	336.1	295.6	262.2	236.8	218.5	206.6	203.4	200.2	200.2
15°	448.2	422.7	367.9	317.8	274.9	241.6	225.7	217.7	213.0	210.6	209.8
17.5°	508.5	469.6	403.7	341.7	290.8	259.0	238.4	229.6	224.9	222.5	221.7
20°	570.5	524.4	443.4	367.9	312.3	279.7	255.1	241.6	236.8	234.4	233.6
22.5°	644.4	588.8	484.7	395.7	336.9	298.8	271.0	255.1	249.5	247.1	247.9
25°	719.9	660.3	529.2	425.1	360.0	314.7	286.1	267.8	263.8	260.6	260.6
27.5°	812.1	732.6	574.5	458.5	379.8	329.0	299.6	281.3	274.1	274.1	273.3
30°	909.0	809.7	623.8	487.1	397.3	341.7	309.9	293.2	286.1	285.3	285.3
32.5°	1003.6	892.3	672.2	515.7	410.8	350.4	319.4	303.5	294.8	294.0	294.8
35°	1114.0	976.6	717.5	538.7	422.7	357.6	326.6	312.3	302.7	301.9	301.9
37.5°	1218.9	1063.2	761.2	557.0	430.7	362.3	332.1	319.4	309.1	308.3	307.5
40°	1328.6	1145.0	801.0	572.1	434.6	365.5	335.3	324.2	314.7	311.5	311.5
42.5°	1439.8	1227.7	834.3	580.9	437.0	366.3	337.7	327.4	318.6	313.1	313.1
45°	1543.9	1298.4	862.1	585.6	437.0	367.1	339.3	329.8	321.8	314.7	313.9
47.5°	1658.3	1369.9	883.6	586.4	434.6	365.5	340.1	332.1	323.4	315.5	314.7
50°	1758.5	1437.4	897.1	584.0	431.5	364.7	340.9	332.9	325.8	316.3	316.3
52.5°	1846.7	1491.5	903.5	577.7	427.5	363.1	340.9	334.5	328.2	317.8	317.0
55°	1924.5	1533.6	902.7	568.1	421.1	360.8	340.1	334.5	329.8	318.6	318.6
57.5°	1991.3	1563.0	895.5	557.0	414.8	359.2	340.1	335.3	331.3	321.0	321.0
60°	2036.6	1579.7	881.2	543.5	408.4	356.0	339.3	336.1	333.7	323.4	324.2
62.5°	2058.0	1577.3	859.0	529.2	401.3	352.8	337.7	335.3	334.5	326.6	326.6
64°	2056.4	1566.2	843.9	518.9	396.5	351.2	336.9	334.5	335.3	328.2	328.2
65°	2046.1	1550.3	828.0	510.9	392.5	349.6	335.3	333.7	335.3	328.2	328.2
67.5°	1996.0	1501.0	787.5	491.1	382.2	342.5	330.6	329.8	332.1	327.4	326.6
70°	1896.7	1423.1	743.7	465.6	369.5	334.5	323.4	322.6	325.8	321.8	320.2
72.5°	1761.6	1315.1	690.5	439.4	354.4	323.4	313.9	313.1	314.7	312.3	309.9
75°	1591.6	1187.9	630.9	410.0	337.7	309.1	300.4	298.8	301.2	298.0	296.4
77.5°	1402.5	1047.3	568.1	379.0	316.3	293.2	284.5	282.1	282.1	278.1	274.1
80°	1194.3	903.5	505.4	347.2	294.0	273.3	266.2	263.0	260.6	254.3	250.3
82.5°	997.2	768.4	441.0	314.7	270.2	251.9	244.7	240.8	235.2	227.3	221.7
85°	811.3	639.7	382.2	279.7	246.3	228.8	223.3	216.1	209.0	200.2	193.1
87.5°	651.6	523.6	329.8	248.7	219.3	205.8	199.4	189.9	182.8	173.2	166.9
90°	517.3	429.1	282.1	218.5	195.5	183.6	178.0	168.5	158.1	147.8	142.2
92.5°	417.2	349.6	243.1	193.1	174.8	164.5	157.3	147.8	135.9	125.5	121.6
95°	331.3	282.9	207.4	170.8	154.9	145.4	138.3	129.5	116.8	104.9	101.7
97.5°	262.2	232.8	177.2	150.2	137.5	129.5	121.6	113.6	100.9	89.0	87.4
100°	210.6	189.1	151.8	132.7	121.6	114.4	108.1	99.3	87.4	74.7	74.7
102.5°	170.0	156.5	130.3	116.8	108.1	101.7	95.4	87.4	75.5	64.4	63.6
105°	139.1	129.5	112.0	103.3	96.1	91.4	85.0	76.3	65.2	54.8	54.0
107.5°	116.0	107.3	96.9	91.4	85.8	81.0	76.3	67.5	56.4	47.7	47.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	95.4	92.2	84.2	80.3	77.1	72.3	67.5	58.8	48.5	42.1	42.1
112.5°	81.0	77.9	73.9	71.5	68.3	65.2	59.6	51.6	42.1	37.3	37.3
115°	68.3	66.7	64.4	62.8	61.2	58.0	52.4	44.5	35.8	32.6	33.4
117.5°	59.6	58.8	57.2	56.4	54.8	50.9	46.1	38.9	31.0	29.4	29.4
120°	51.6	51.6	50.1	50.1	48.5	45.3	39.7	33.4	27.0	26.2	26.2
122.5°	45.3	45.3	44.5	44.5	42.9	39.7	35.0	28.6	23.0	23.0	23.8
125°	39.7	39.7	38.9	38.9	38.1	35.0	30.2	24.6	20.7	20.7	20.7
127.5°	35.0	35.0	35.0	34.2	32.6	30.2	25.4	20.7	18.3	18.3	18.3
130°	31.0	31.0	30.2	30.2	28.6	25.4	21.5	17.5	15.1	16.7	16.7
132.5°	27.0	27.0	27.0	25.4	23.8	21.5	17.5	14.3	13.5	14.3	14.3
135°	23.0	23.8	23.0	22.2	20.7	17.5	14.3	11.9	11.9	12.7	12.7
137.5°	19.9	19.9	19.9	18.3	16.7	14.3	11.1	9.5	10.3	11.1	11.1
140°	16.7	16.7	15.9	15.1	13.5	11.1	8.7	7.2	8.7	9.5	9.5
142.5°	13.5	13.5	12.7	11.9	9.5	7.9	5.6	5.6	7.2	7.9	7.9
145°	10.3	10.3	9.5	8.7	7.2	4.8	4.0	4.8	6.4	6.4	6.4
147.5°	7.2	7.2	7.2	5.6	4.0	2.4	1.6	3.2	4.8	4.8	5.6
150°	4.8	4.8	4.8	4.0	2.4	0.8	0.8	2.4	3.2	4.0	4.0
152.5°	3.2	3.2	3.2	2.4	1.6	0.0	0.0	1.6	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.8	1.6	1.6	1.6
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	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)