

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: P413781

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8271 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G4

Input Watts (W): 96  
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

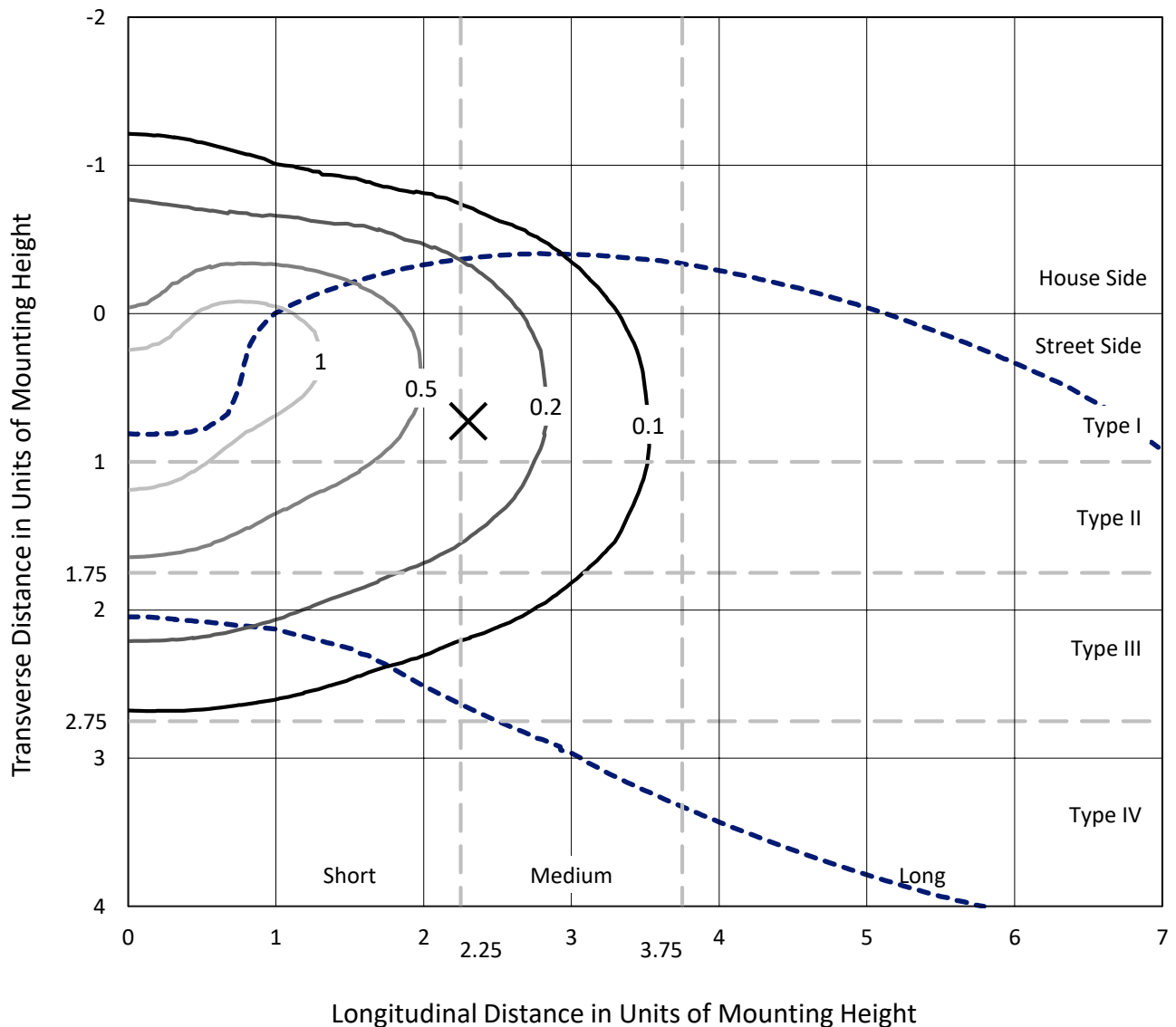


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

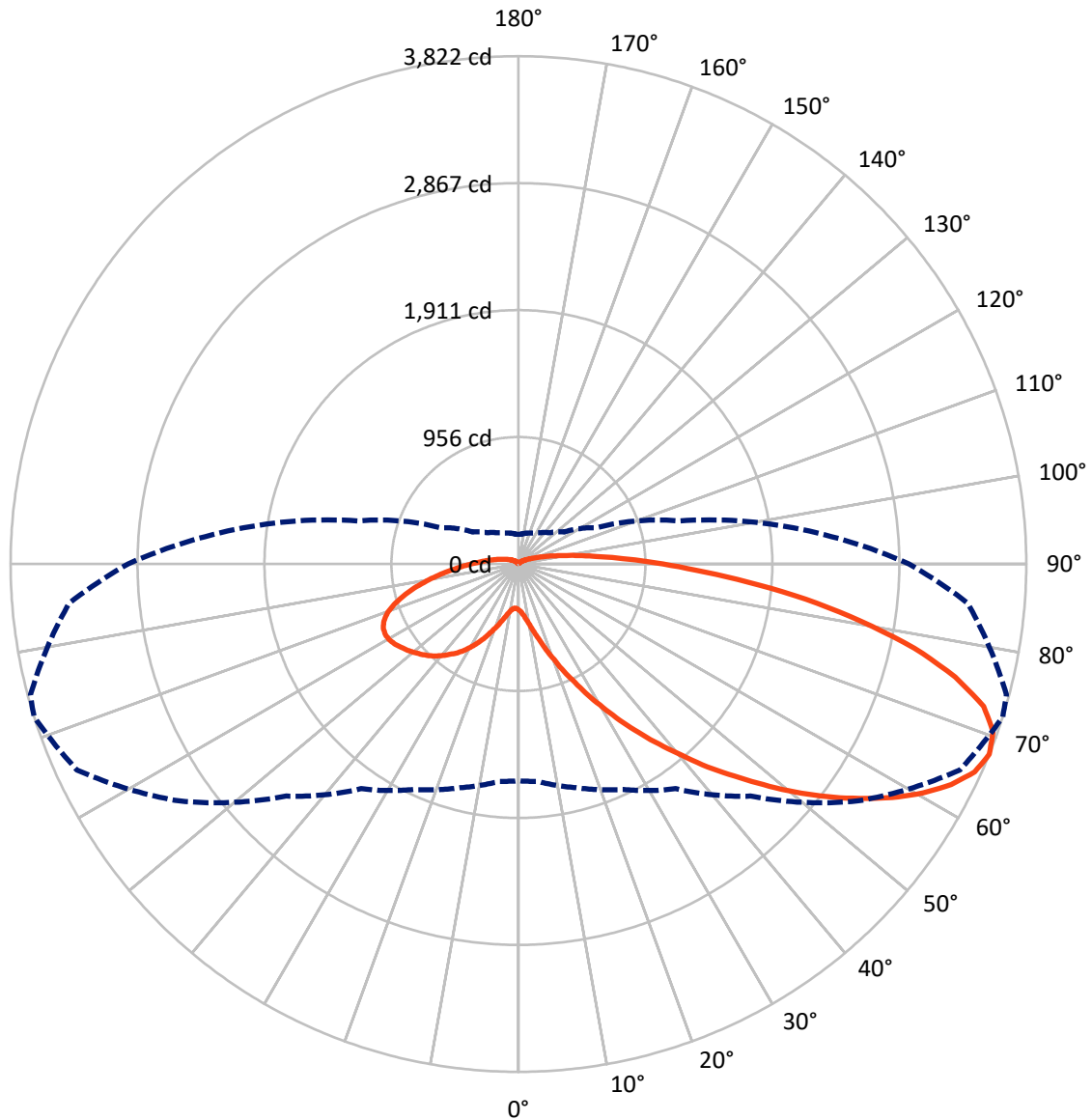


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1679.6	238.9	1918.5
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5889.3	463.2	6352.5
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	7568.9	702.1	8271.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	0.4
10°-20°	141.1	1.7
20°-30°	340.7	4.1
30°-40°	649.5	7.9
40°-50°	1045.4	12.6
50°-60°	1446.5	17.5
60°-70°	1662.0	20.1
70°-80°	1426.6	17.2
80°-90°	821.4	9.9
90°-100°	371.2	4.5
100°-110°	170.6	2.1
110°-120°	85.8	1.0
120°-130°	44.5	0.5
130°-140°	21.2	0.3
140°-150°	7.3	0.1
150°-160°	1.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7568.9	91.5
0°-180°	8271.0	100.0



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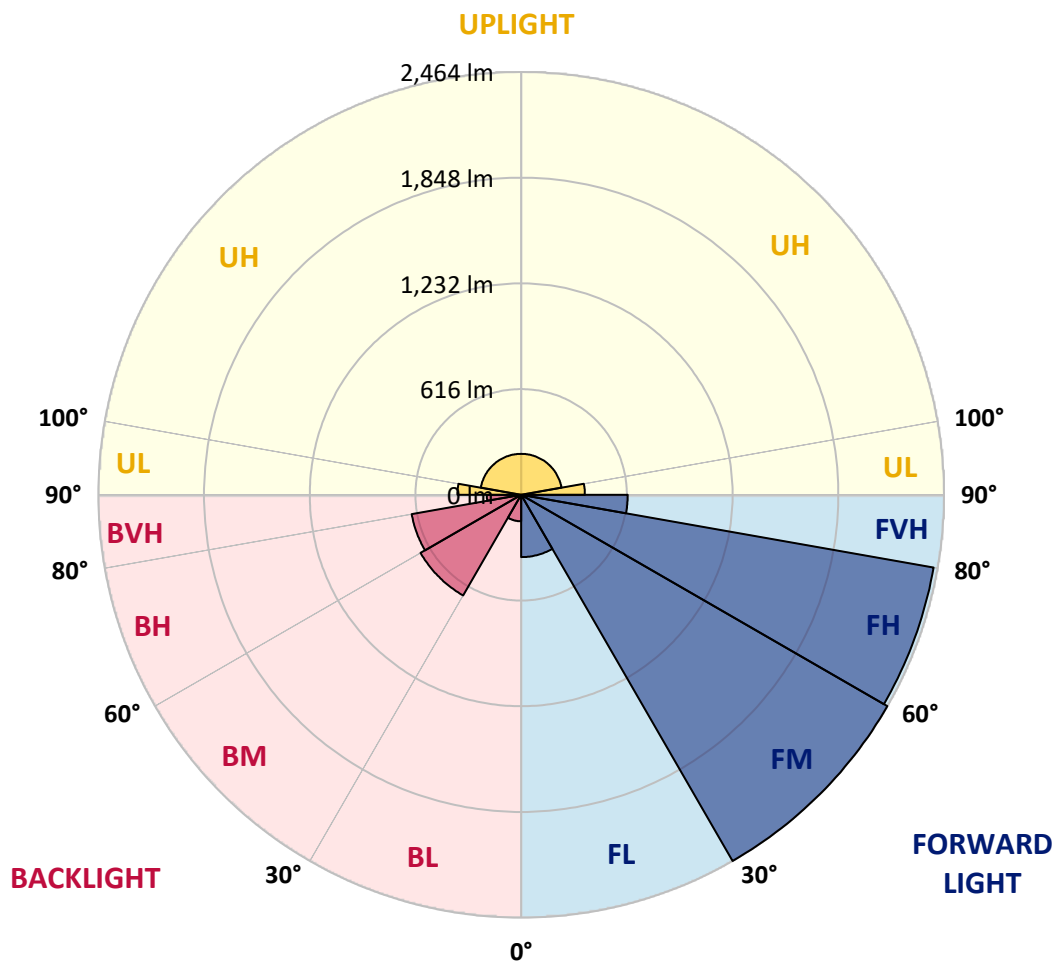
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.2	4.4			
FM	(30°-60°)	2464.3	29.8			
FH	(60°-80°)	2440.9	29.5			G2/5000
FVH	(80°-90°)	620.9	7.5			G4/750
BL	(0°-30°)	154.3	1.9	B1/500		
BM	(30°-60°)	677.2	8.2	B1/1000		
BH	(60°-80°)	647.7	7.8	B2/1000		G2/1000
BVH	(80°-90°)	200.4	2.4			G2/225
UL	(90°-100°)	371.2	4.5		U3/500	
UH	(100°-180°)	238.9	2.9		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0
2.5°	386.8	385.8	386.8	383.8	380.8	374.9	370.9	362.9	359.0	357.0	349.0
5°	441.5	440.5	439.5	435.5	425.6	418.6	406.7	392.8	383.8	379.8	366.9
7.5°	501.2	499.2	497.2	488.2	481.3	469.3	451.4	433.5	418.6	415.6	391.8
10°	568.8	566.8	562.8	555.8	542.9	526.0	510.1	484.3	465.4	456.4	430.6
12.5°	638.4	642.4	637.4	623.5	608.5	592.6	569.8	544.9	525.0	518.1	478.3
15°	722.9	725.9	720.9	705.0	689.1	665.2	647.3	621.5	594.6	590.6	546.9
17.5°	816.4	815.4	805.4	790.5	776.6	757.7	731.8	708.0	678.1	671.2	617.5
20°	917.8	913.8	904.9	880.0	867.1	845.2	829.3	796.5	767.6	757.7	704.0
22.5°	1019.2	1017.2	1009.3	986.4	970.5	951.6	927.7	897.9	878.0	858.1	798.5
25°	1146.5	1134.6	1124.6	1083.8	1068.9	1051.0	1030.2	1005.3	986.4	975.5	906.9
27.5°	1273.8	1264.8	1241.9	1212.1	1183.3	1154.4	1145.5	1123.6	1117.7	1108.7	1031.1
30°	1400.1	1396.1	1371.2	1333.4	1291.7	1263.8	1258.9	1260.8	1251.9	1241.0	1158.4
32.5°	1543.2	1534.3	1506.4	1455.7	1412.0	1379.2	1379.2	1393.1	1401.0	1390.1	1302.6
35°	1683.4	1675.5	1640.7	1578.0	1529.3	1489.5	1505.5	1538.3	1557.2	1557.2	1448.8
37.5°	1831.6	1813.7	1777.9	1712.3	1646.7	1617.8	1635.7	1692.4	1720.2	1720.2	1610.9
40°	1960.9	1959.9	1911.1	1832.6	1768.0	1725.2	1779.9	1855.5	1892.3	1889.3	1773.9
42.5°	2090.1	2089.1	2042.4	1955.9	1874.4	1852.5	1921.1	2027.5	2087.1	2087.1	1939.0
45°	2206.5	2198.5	2158.7	2063.3	1987.7	1977.8	2079.2	2214.4	2276.1	2286.0	2118.0
47.5°	2292.0	2285.0	2250.2	2157.7	2086.2	2104.1	2226.4	2398.4	2481.9	2480.9	2300.9
50°	2349.7	2342.7	2312.9	2233.3	2171.7	2216.4	2386.4	2593.3	2697.7	2705.6	2481.9
52.5°	2366.6	2362.6	2346.7	2281.0	2241.3	2317.8	2536.6	2792.1	2910.5	2917.4	2679.8
55°	2337.7	2337.7	2336.7	2297.0	2281.0	2408.3	2691.7	2986.0	3114.3	3127.2	2874.7
57.5°	2270.1	2273.1	2291.0	2278.1	2301.9	2480.9	2823.0	3161.1	3316.2	3324.1	3048.7
60°	2167.7	2161.7	2201.5	2225.4	2290.0	2526.7	2939.3	3337.1	3499.1	3502.1	3201.8
62.5°	2012.6	2015.6	2073.2	2135.9	2247.2	2545.5	3041.7	3491.2	3655.2	3662.2	3321.1
65°	1829.6	1836.6	1915.1	2020.5	2173.7	2525.7	3100.4	3609.5	3773.6	3764.6	3389.8
67.5°	1631.7	1641.7	1744.1	1872.4	2064.3	2470.0	3110.3	3666.2	3822.3	3802.4	3395.7
70°	1415.0	1440.8	1543.2	1710.3	1923.1	2363.6	3052.7	3656.2	3789.5	3770.6	3307.2
72.5°	1218.1	1237.0	1349.3	1523.4	1765.0	2209.5	2930.4	3541.9	3661.2	3623.4	3122.3
75°	1022.2	1051.0	1157.4	1343.4	1593.9	2018.5	2722.5	3321.1	3394.7	3354.0	2846.8
77.5°	855.1	881.0	986.4	1165.4	1406.0	1818.7	2450.1	2986.0	3046.7	3004.9	2498.8
80°	697.0	725.9	828.3	1004.3	1230.0	1584.0	2137.9	2594.3	2617.1	2551.5	2115.0
82.5°	582.7	597.6	693.1	848.2	1056.0	1366.2	1817.7	2176.6	2177.6	2099.1	1718.2
85°	476.3	485.2	572.7	713.0	890.9	1154.4	1492.5	1753.0	1733.2	1690.4	1324.5
87.5°	385.8	394.8	473.3	599.6	749.7	963.5	1218.1	1380.2	1333.4	1299.6	1028.2
90°	316.2	326.1	390.8	500.2	629.4	795.5	969.5	1066.9	1025.2	999.3	792.5
92.5°	258.5	268.5	325.2	418.6	533.0	651.3	770.6	816.4	787.5	757.7	597.6
95°	218.8	220.7	271.5	350.0	440.5	526.0	603.6	630.4	590.6	579.7	462.4
97.5°	180.0	185.9	225.7	295.3	367.9	438.5	478.3	492.2	456.4	432.5	354.0
100°	153.1	156.1	190.9	246.6	306.3	357.0	387.8	380.8	349.0	335.1	268.5
102.5°	131.3	134.2	162.1	213.8	260.5	297.3	312.2	301.3	271.5	262.5	210.8
105°	115.3	116.3	139.2	181.0	220.7	251.6	257.5	240.6	211.8	199.9	166.1
107.5°	102.4	103.4	121.3	157.1	190.9	211.8	213.8	194.9	167.1	158.1	133.2
110°	91.5	93.5	106.4	136.2	165.1	181.0	179.0	159.1	133.2	125.3	109.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	82.5	84.5	94.5	119.3	143.2	157.1	152.1	128.3	106.4	101.4	90.5
115°	75.6	77.6	85.5	105.4	126.3	136.2	128.3	106.4	87.5	81.5	75.6
117.5°	70.6	71.6	77.6	93.5	109.4	117.3	108.4	88.5	71.6	67.6	64.6
120°	65.6	66.6	71.6	82.5	96.5	100.4	91.5	72.6	59.7	57.7	56.7
122.5°	61.6	61.6	65.6	73.6	83.5	86.5	77.6	60.7	50.7	48.7	49.7
125°	57.7	57.7	59.7	65.6	72.6	74.6	64.6	50.7	42.8	41.8	43.8
127.5°	53.7	53.7	54.7	58.7	62.6	62.6	53.7	41.8	36.8	35.8	38.8
130°	49.7	49.7	49.7	51.7	53.7	52.7	43.8	34.8	31.8	31.8	33.8
132.5°	45.7	45.7	45.7	45.7	44.7	42.8	35.8	27.8	27.8	27.8	29.8
135°	40.8	40.8	40.8	39.8	37.8	34.8	27.8	22.9	22.9	23.9	25.9
137.5°	36.8	36.8	35.8	33.8	30.8	26.8	21.9	17.9	19.9	19.9	21.9
140°	31.8	31.8	30.8	27.8	23.9	19.9	15.9	14.9	15.9	16.9	18.9
142.5°	26.8	26.8	25.9	22.9	18.9	13.9	10.9	10.9	12.9	12.9	14.9
145°	21.9	21.9	20.9	17.9	12.9	8.9	7.0	8.0	9.9	9.9	10.9
147.5°	16.9	16.9	15.9	12.9	8.9	6.0	4.0	6.0	7.0	7.0	8.0
150°	11.9	11.9	10.9	8.9	6.0	3.0	2.0	3.0	4.0	5.0	5.0
152.5°	8.0	8.0	7.0	6.0	3.0	1.0	2.0	3.0	3.0	3.0	4.0
155°	5.0	4.0	4.0	3.0	1.0	0.0	1.0	2.0	2.0	2.0	3.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	2.0	2.0
160°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
162.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
165°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
167.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
170°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.0	1.0	1.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
175°	0.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0
2.5°	347.0	343.1	337.1	331.1	325.2	321.2	317.2	315.2	312.2	309.2	309.2
5°	359.0	351.0	337.1	323.2	310.2	299.3	288.4	282.4	278.4	274.4	275.4
7.5°	380.8	368.9	346.0	323.2	302.3	284.4	269.5	257.5	249.6	244.6	245.6
10°	411.7	398.7	363.9	331.1	301.3	275.4	254.6	237.7	227.7	222.7	222.7
12.5°	460.4	438.5	392.8	346.0	306.3	271.5	244.6	224.7	210.8	204.8	203.8
15°	519.1	488.2	432.5	374.9	318.2	271.5	236.7	222.7	213.8	209.8	208.8
17.5°	588.7	554.8	478.3	401.7	334.1	277.4	247.6	230.7	220.7	216.8	215.8
20°	664.2	624.5	528.0	435.5	350.0	295.3	258.5	237.7	226.7	222.7	222.7
22.5°	756.7	704.0	581.7	465.4	369.9	310.2	269.5	243.6	233.7	229.7	228.7
25°	852.2	792.5	645.3	497.2	391.8	322.2	277.4	249.6	239.6	235.7	236.7
27.5°	964.5	888.0	708.0	529.0	410.7	329.1	281.4	254.6	244.6	241.6	242.6
30°	1081.9	985.4	763.7	561.8	423.6	334.1	284.4	258.5	247.6	245.6	245.6
32.5°	1206.2	1096.8	821.3	590.6	431.5	335.1	284.4	260.5	249.6	248.6	249.6
35°	1333.4	1204.2	877.0	613.5	435.5	334.1	283.4	262.5	249.6	249.6	249.6
37.5°	1474.6	1309.6	923.8	629.4	436.5	331.1	282.4	261.5	249.6	249.6	250.6
40°	1619.8	1421.9	975.5	642.4	435.5	329.1	281.4	261.5	249.6	249.6	250.6
42.5°	1764.0	1526.3	1024.2	650.3	433.5	327.1	280.4	261.5	249.6	247.6	248.6
45°	1920.1	1647.6	1070.9	655.3	431.5	326.1	280.4	260.5	249.6	245.6	246.6
47.5°	2065.3	1760.0	1108.7	661.2	430.6	326.1	281.4	260.5	248.6	244.6	244.6
50°	2229.3	1876.3	1147.5	663.2	428.6	326.1	281.4	260.5	247.6	241.6	242.6
52.5°	2391.4	1993.7	1185.3	667.2	428.6	327.1	282.4	260.5	246.6	238.6	238.6
55°	2546.5	2098.1	1219.1	670.2	428.6	329.1	285.4	260.5	245.6	235.7	235.7
57.5°	2688.7	2205.5	1252.9	671.2	428.6	331.1	285.4	261.5	244.6	232.7	232.7
60°	2815.0	2298.0	1276.8	672.2	427.6	333.1	287.4	260.5	243.6	229.7	229.7
62.5°	2904.5	2368.6	1288.7	669.2	427.6	333.1	288.4	260.5	242.6	228.7	227.7
65°	2955.2	2393.4	1281.7	660.3	425.6	333.1	287.4	259.5	240.6	226.7	225.7
67.5°	2938.3	2366.6	1251.9	646.3	420.6	332.1	287.4	257.5	240.6	225.7	223.7
70°	2846.8	2286.0	1195.2	625.4	413.7	328.1	283.4	254.6	238.6	224.7	222.7
72.5°	2667.9	2123.9	1112.7	592.6	401.7	322.2	278.4	249.6	234.7	221.7	218.8
75°	2419.3	1931.0	1012.3	558.8	386.8	314.2	272.5	244.6	229.7	217.8	214.8
77.5°	2100.1	1673.5	900.9	515.1	367.9	303.3	264.5	236.7	222.7	211.8	207.8
80°	1769.0	1410.0	780.6	469.3	348.0	289.4	252.6	226.7	213.8	203.8	198.9
82.5°	1431.9	1158.4	668.2	425.6	325.2	273.4	240.6	215.8	203.8	192.9	187.9
85°	1129.6	915.8	559.8	379.8	301.3	257.5	226.7	202.8	191.9	180.0	175.0
87.5°	879.0	726.9	468.3	338.1	275.4	239.6	211.8	189.9	177.0	166.1	162.1
90°	685.1	572.7	391.8	298.3	252.6	221.7	195.9	176.0	163.1	152.1	147.2
92.5°	522.0	453.4	328.1	263.5	229.7	203.8	181.0	162.1	149.2	137.2	132.2
95°	408.7	360.0	277.4	231.7	206.8	184.9	166.1	148.2	134.2	121.3	118.3
97.5°	317.2	288.4	233.7	202.8	186.9	167.1	150.1	134.2	120.3	107.4	104.4
100°	250.6	229.7	197.9	180.0	166.1	150.1	135.2	121.3	106.4	92.5	91.5
102.5°	197.9	188.9	168.0	158.1	147.2	135.2	122.3	107.4	92.5	79.5	78.6
105°	162.1	154.1	144.2	138.2	131.3	120.3	108.4	95.5	80.5	68.6	68.6
107.5°	131.3	127.3	122.3	121.3	116.3	107.4	97.4	84.5	69.6	59.7	59.7
110°	107.4	106.4	106.4	106.4	103.4	96.5	86.5	73.6	58.7	51.7	51.7



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	90.5	90.5	91.5	93.5	91.5	84.5	75.6	63.6	50.7	44.7	44.7
115°	76.6	77.6	80.5	81.5	80.5	75.6	66.6	54.7	42.8	38.8	39.8
117.5°	66.6	66.6	70.6	72.6	71.6	66.6	57.7	46.7	36.8	34.8	34.8
120°	57.7	59.7	62.6	63.6	62.6	57.7	50.7	39.8	31.8	30.8	30.8
122.5°	50.7	51.7	54.7	56.7	54.7	50.7	42.8	33.8	26.8	26.8	27.8
125°	44.7	45.7	47.7	49.7	47.7	42.8	36.8	27.8	23.9	23.9	23.9
127.5°	39.8	40.8	42.8	42.8	40.8	36.8	30.8	23.9	19.9	20.9	20.9
130°	34.8	35.8	36.8	36.8	35.8	31.8	25.9	19.9	17.9	18.9	18.9
132.5°	30.8	31.8	31.8	31.8	29.8	26.8	21.9	16.9	15.9	16.9	16.9
135°	26.8	26.8	27.8	26.8	24.9	21.9	16.9	13.9	13.9	14.9	14.9
137.5°	22.9	23.9	23.9	21.9	19.9	16.9	13.9	11.9	11.9	12.9	12.9
140°	18.9	19.9	18.9	17.9	15.9	13.9	10.9	8.9	9.9	10.9	10.9
142.5°	15.9	15.9	15.9	13.9	11.9	9.9	8.0	8.0	8.9	8.9	9.9
145°	11.9	11.9	11.9	10.9	8.9	7.0	6.0	6.0	7.0	8.0	8.0
147.5°	8.9	8.9	8.9	8.0	6.0	5.0	4.0	5.0	6.0	7.0	6.0
150°	6.0	6.0	6.0	5.0	4.0	3.0	3.0	4.0	5.0	5.0	5.0
152.5°	4.0	4.0	4.0	4.0	3.0	1.0	2.0	3.0	4.0	4.0	4.0
155°	3.0	3.0	3.0	3.0	2.0	0.0	1.0	2.0	3.0	3.0	3.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	1.0	2.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
177.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)