

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: P416733

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T4W-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416733  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-730-U-T4W-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7841 lumens  
Efficiency: N/A  
Efficacy: 94.5 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): 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

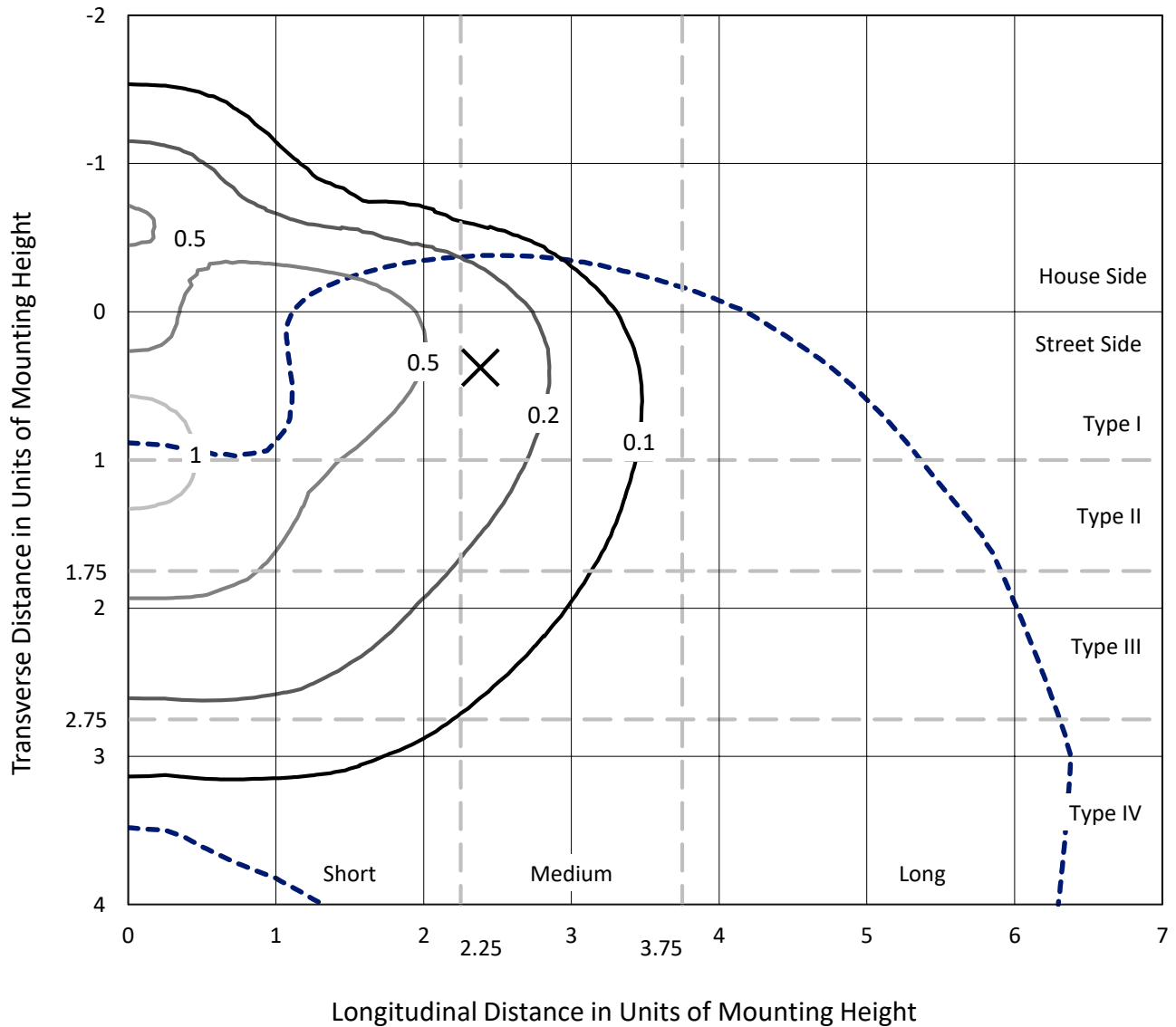


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

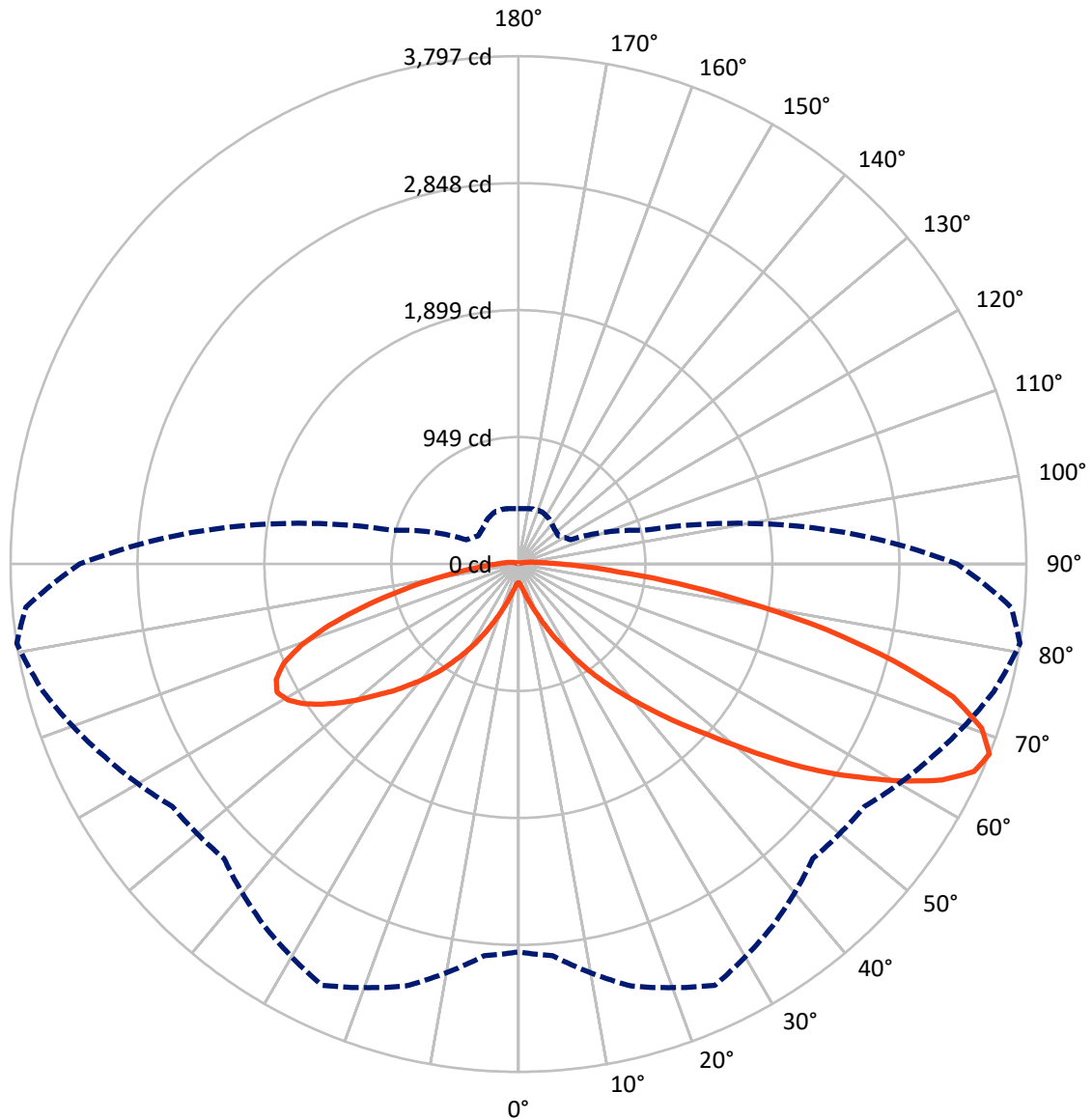


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1716.4	122.1	1838.5
	% Fixture	21.9	1.6	23.4
<b>Street Side</b>	Lumens	5849.1	153.5	6002.5
	% Fixture	74.6	2.0	76.6
<b>Total</b>	Lumens	7565.5	275.5	7841.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.2
10°-20°	81.0	1.0
20°-30°	241.5	3.1
30°-40°	524.2	6.7
40°-50°	919.1	11.7
50°-60°	1456.6	18.6
60°-70°	1965.6	25.1
70°-80°	1686.5	21.5
80°-90°	674.8	8.6
90°-100°	164.2	2.1
100°-110°	57.7	0.7
110°-120°	26.4	0.3
120°-130°	14.2	0.2
130°-140°	8.0	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7565.5	96.5
0°-180°	7841.0	100.0



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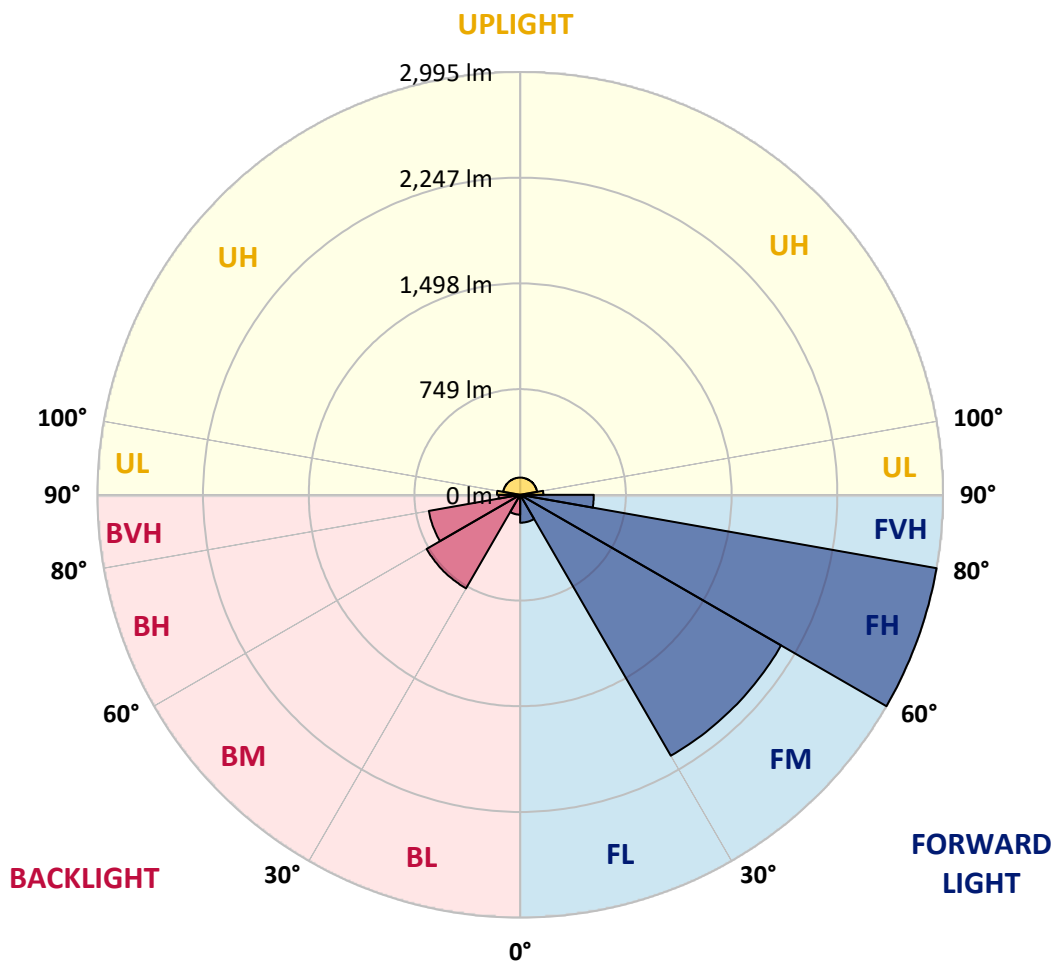
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.8	2.5			
FM	(30°-60°)	2134.2	27.2			
FH	(60°-80°)	2995.5	38.2			G2/5000
FVH	(80°-90°)	521.5	6.7			G4/750
BL	(0°-30°)	140.8	1.8	B1/500		
BM	(30°-60°)	765.7	9.8	B1/1000		
BH	(60°-80°)	656.7	8.4	B2/1000		G2/1000
BVH	(80°-90°)	153.2	2.0			G2/225
UL	(90°-100°)	164.2	2.1		U3/500	
UH	(100°-180°)	122.1	1.6		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°	75°	81°	85°
0°	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
2.5°	153.9	153.0	153.0	153.9	153.9	153.9	151.2	148.4	145.7	144.8	143.9
5°	174.8	173.0	173.0	173.0	172.1	169.4	165.7	162.1	158.5	156.6	154.8
7.5°	202.2	201.3	200.3	197.6	196.7	192.1	186.7	181.2	175.8	173.9	172.1
10°	239.5	238.6	234.0	233.1	228.6	224.0	215.8	207.6	200.3	197.6	194.9
12.5°	286.9	286.9	280.5	273.2	267.7	258.6	251.3	241.3	235.9	232.2	228.6
15°	348.8	345.1	336.9	328.7	314.2	303.2	292.3	286.9	283.2	278.7	273.2
17.5°	417.1	412.5	405.2	388.9	369.7	354.2	344.2	338.8	336.9	334.2	327.8
20°	499.0	493.6	483.6	458.1	437.1	416.2	404.3	401.6	403.4	398.9	392.5
22.5°	596.5	592.8	571.9	540.0	510.9	481.7	470.8	472.6	476.3	482.6	479.0
25°	707.6	698.5	678.4	632.9	584.6	556.4	545.5	553.7	570.1	579.2	571.9
27.5°	836.9	831.4	791.4	732.2	669.3	631.1	622.9	646.6	674.8	682.1	682.1
30°	973.5	977.1	918.9	848.7	769.5	716.7	706.7	740.4	788.6	793.2	805.0
32.5°	1146.5	1140.1	1079.1	964.4	870.6	802.3	795.9	843.3	904.3	928.0	928.0
35°	1327.7	1321.4	1246.7	1111.0	980.8	892.4	897.0	947.1	1030.0	1060.0	1064.6
37.5°	1536.3	1515.3	1434.3	1265.8	1101.0	997.2	989.0	1064.6	1162.0	1204.8	1204.8
40°	1765.8	1753.9	1641.0	1441.6	1223.9	1105.5	1099.2	1186.6	1305.0	1352.3	1361.4
42.5°	1988.9	1973.4	1868.7	1611.9	1366.0	1220.3	1221.2	1316.8	1452.5	1518.1	1529.9
45°	2224.7	2210.2	2095.4	1821.3	1519.9	1362.3	1351.4	1470.7	1632.8	1705.7	1719.3
47.5°	2434.2	2424.2	2324.9	2029.9	1711.1	1514.4	1499.9	1637.4	1825.0	1906.0	1947.0
50°	2661.9	2649.1	2556.2	2252.1	1901.5	1676.5	1675.6	1823.1	2058.1	2156.4	2190.1
52.5°	2846.7	2832.1	2767.5	2475.2	2090.0	1865.9	1850.5	2031.7	2299.4	2440.6	2457.0
55°	3017.0	3011.5	2989.7	2714.7	2319.4	2051.7	2061.7	2276.6	2574.4	2733.8	2758.4
57.5°	3139.9	3147.2	3157.3	2955.1	2544.4	2259.3	2277.6	2522.5	2860.4	3008.8	3042.5
60°	3223.7	3249.2	3315.7	3164.5	2773.9	2486.1	2517.1	2765.7	3135.4	3293.9	3321.2
62.5°	3230.1	3257.4	3412.2	3360.3	2994.2	2718.3	2753.8	3016.1	3381.3	3557.0	3559.8
65°	3109.0	3146.3	3394.0	3466.0	3188.2	2940.5	2972.4	3239.2	3587.1	3742.8	3686.3
67.5°	2900.4	2939.6	3267.4	3475.1	3308.4	3113.5	3159.1	3412.2	3680.0	3797.4	3697.3
70°	2598.1	2636.4	2981.5	3337.6	3330.3	3215.5	3275.6	3483.3	3662.7	3674.5	3533.4
72.5°	2201.1	2197.4	2569.9	3037.0	3209.2	3207.3	3303.0	3429.5	3465.1	3398.6	3189.1
75°	1685.6	1733.0	2072.7	2602.7	2933.2	3062.5	3159.1	3207.3	3105.3	2899.5	2672.8
77.5°	1207.5	1246.7	1555.4	2051.7	2523.4	2762.0	2868.6	2845.8	2592.6	2351.3	2090.9
80°	799.6	822.3	1080.0	1531.7	2034.4	2311.3	2439.7	2352.2	2030.8	1722.1	1497.1
82.5°	479.9	517.3	679.4	1076.4	1509.0	1826.8	1905.1	1759.4	1449.8	1198.4	1033.6
85°	290.5	298.7	422.5	688.5	1053.6	1314.1	1388.8	1232.1	953.5	748.6	621.1
87.5°	163.0	177.6	261.4	448.0	708.5	912.5	938.9	811.4	598.3	464.4	388.9
90°	95.6	105.6	160.3	277.8	451.7	590.1	597.4	490.8	354.2	279.6	248.6
92.5°	61.0	68.3	106.5	178.5	290.5	383.4	373.4	303.2	226.8	186.7	161.2
95°	43.7	47.4	74.7	122.9	194.9	241.3	237.7	190.3	152.1	130.2	118.4
97.5°	32.8	36.4	58.3	90.2	131.1	162.1	158.5	126.6	105.6	95.6	91.1
100°	27.3	29.1	47.4	71.0	97.4	116.6	114.7	93.8	79.2	71.9	70.1
102.5°	23.7	25.5	39.2	57.4	77.4	90.2	86.5	72.9	60.1	53.7	51.9
105°	20.9	21.9	33.7	49.2	63.7	71.0	70.1	58.3	46.4	40.1	39.2
107.5°	19.1	20.0	29.1	41.9	53.7	60.1	58.3	47.4	35.5	31.0	30.1
110°	17.3	18.2	25.5	36.4	45.5	51.0	48.3	39.2	28.2	23.7	23.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	16.4	16.4	22.8	31.0	39.2	43.7	41.0	31.9	21.9	19.1	20.0
115°	15.5	15.5	20.0	27.3	34.6	38.2	34.6	26.4	18.2	16.4	16.4
117.5°	14.6	14.6	18.2	24.6	31.0	33.7	30.1	22.8	15.5	13.7	14.6
120°	13.7	14.6	17.3	21.9	27.3	29.1	26.4	19.1	12.7	12.7	13.7
122.5°	13.7	13.7	16.4	20.0	24.6	25.5	22.8	16.4	11.8	11.8	11.8
125°	13.7	13.7	15.5	18.2	21.9	22.8	19.1	13.7	10.9	10.9	10.9
127.5°	13.7	13.7	14.6	17.3	19.1	20.0	17.3	12.7	10.0	10.0	10.9
130°	12.7	13.7	13.7	15.5	17.3	17.3	14.6	10.9	9.1	9.1	10.0
132.5°	12.7	12.7	13.7	14.6	15.5	15.5	12.7	10.0	8.2	9.1	9.1
135°	12.7	12.7	12.7	13.7	14.6	13.7	10.9	8.2	7.3	8.2	8.2
137.5°	11.8	11.8	11.8	12.7	12.7	11.8	10.0	7.3	7.3	7.3	7.3
140°	10.9	10.9	10.9	10.9	11.8	10.9	8.2	6.4	6.4	6.4	6.4
142.5°	10.0	10.0	10.0	10.0	10.0	9.1	7.3	5.5	5.5	5.5	5.5
145°	9.1	9.1	9.1	9.1	8.2	7.3	5.5	4.6	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	7.3	6.4	4.6	3.6	4.6	4.6	4.6
150°	6.4	6.4	6.4	6.4	5.5	5.5	3.6	3.6	3.6	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	3.6	2.7	2.7	3.6	3.6	3.6
155°	3.6	3.6	3.6	3.6	3.6	2.7	1.8	2.7	3.6	3.6	3.6
157.5°	1.8	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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°	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
2.5°	143.9	143.0	142.1	141.2	140.2	140.2	139.3	138.4	137.5	136.6	136.6
5°	153.9	152.1	149.3	147.5	145.7	145.7	143.9	143.0	141.2	140.2	140.2
7.5°	169.4	168.5	163.0	160.3	157.5	156.6	154.8	153.0	151.2	151.2	151.2
10°	192.1	189.4	184.9	177.6	174.8	173.0	170.3	168.5	168.5	169.4	169.4
12.5°	226.8	219.5	213.1	203.1	197.6	194.0	192.1	193.1	197.6	199.4	197.6
15°	266.8	265.0	249.5	234.9	224.0	216.7	221.3	226.8	233.1	234.9	237.7
17.5°	322.4	316.0	295.1	274.1	254.1	250.4	255.9	265.0	272.3	277.8	282.3
20°	388.9	377.9	352.4	316.0	293.2	287.8	291.4	304.2	317.8	328.7	329.7
22.5°	472.6	456.2	410.7	365.2	331.5	322.4	326.9	347.0	367.0	380.7	379.7
25°	563.7	543.7	482.6	417.1	370.6	354.2	362.4	388.9	417.1	433.5	435.3
27.5°	665.7	645.7	561.0	467.2	406.2	381.6	395.2	425.3	463.5	483.6	487.2
30°	785.9	758.6	639.3	520.9	438.9	407.1	419.8	459.0	500.9	529.1	532.7
32.5°	910.7	867.9	717.6	564.6	461.7	423.5	438.0	483.6	531.8	562.8	568.3
35°	1040.0	987.2	796.8	601.9	478.1	433.5	448.0	499.0	550.0	583.7	588.3
37.5°	1185.7	1115.6	868.8	630.2	487.2	436.2	450.8	501.8	553.7	586.5	591.0
40°	1332.3	1238.5	928.9	647.5	488.1	433.5	445.3	494.5	543.7	571.9	576.4
42.5°	1489.8	1367.8	989.0	652.0	483.6	426.2	436.2	479.9	521.8	543.7	546.4
45°	1666.5	1517.2	1040.0	648.4	470.8	415.3	422.5	459.9	492.7	502.7	507.2
47.5°	1853.2	1664.7	1079.1	637.5	458.1	403.4	408.0	438.9	459.9	460.8	461.7
50°	2080.9	1844.1	1127.4	622.0	440.8	392.5	395.2	419.8	429.8	425.3	423.5
52.5°	2330.4	2036.2	1158.4	597.4	425.3	382.5	385.2	404.3	408.0	398.0	398.9
55°	2601.8	2215.6	1184.8	573.7	408.9	376.1	381.6	397.0	397.0	384.3	383.4
57.5°	2854.9	2398.7	1196.6	543.7	395.2	371.5	380.7	396.1	394.3	382.5	381.6
60°	3099.9	2548.0	1182.0	514.5	386.1	369.7	386.1	402.5	400.7	390.7	389.8
62.5°	3269.3	2641.8	1145.6	485.4	377.9	372.5	392.5	411.6	411.6	400.7	400.7
65°	3342.1	2630.9	1070.9	456.2	371.5	374.3	401.6	421.6	419.8	410.7	408.9
67.5°	3281.1	2531.6	970.8	428.0	366.1	376.1	406.2	427.1	425.3	415.3	413.4
70°	3085.3	2323.1	849.6	402.5	358.8	373.4	408.0	426.2	423.5	414.3	410.7
72.5°	2695.5	1998.9	723.1	377.9	347.9	367.0	402.5	418.9	416.2	408.9	404.3
75°	2220.2	1611.9	597.4	350.6	334.2	355.2	390.7	405.2	401.6	395.2	390.7
77.5°	1697.5	1217.6	493.6	325.1	317.8	339.7	374.3	385.2	381.6	376.1	373.4
80°	1201.2	866.9	397.0	296.9	294.1	316.0	345.1	357.0	355.2	349.7	345.1
82.5°	790.5	576.4	316.9	265.0	266.8	289.6	311.4	317.8	316.9	312.4	306.9
85°	487.2	379.7	249.5	228.6	236.8	255.0	273.2	274.1	271.4	270.5	262.3
87.5°	310.5	259.5	195.8	194.0	205.8	221.3	229.5	225.8	227.7	227.7	221.3
90°	202.2	182.1	156.6	162.1	174.8	186.7	190.3	180.3	185.8	183.0	180.3
92.5°	146.6	135.7	127.5	134.8	147.5	158.5	156.6	145.7	148.4	148.4	147.5
95°	111.1	105.6	106.5	113.8	123.8	131.1	127.5	118.4	119.3	117.5	114.7
97.5°	87.4	86.5	90.2	95.6	104.7	109.3	105.6	97.4	96.5	93.8	92.9
100°	69.2	70.1	75.6	82.0	87.4	91.1	88.3	80.1	76.5	71.9	71.0
102.5°	53.7	55.6	62.8	68.3	73.8	76.5	73.8	67.4	61.0	56.5	55.6
105°	41.9	43.7	51.9	57.4	61.9	63.7	61.9	54.6	48.3	42.8	42.8
107.5°	32.8	34.6	42.8	49.2	51.9	53.7	51.0	45.5	38.2	33.7	33.7
110°	26.4	28.2	35.5	41.0	43.7	45.5	42.8	36.4	31.0	27.3	27.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.9	23.7	29.1	34.6	37.3	38.2	35.5	31.0	24.6	22.8	22.8
115°	18.2	20.0	24.6	29.1	31.9	31.9	30.1	25.5	20.0	19.1	19.1
117.5°	15.5	17.3	20.9	25.5	27.3	27.3	25.5	20.9	17.3	16.4	16.4
120°	14.6	15.5	18.2	21.9	23.7	23.7	21.9	18.2	14.6	14.6	14.6
122.5°	12.7	13.7	16.4	19.1	20.9	20.9	19.1	15.5	12.7	13.7	13.7
125°	11.8	12.7	14.6	16.4	18.2	18.2	16.4	13.7	11.8	11.8	11.8
127.5°	10.9	11.8	12.7	14.6	15.5	15.5	14.6	11.8	10.9	10.9	10.9
130°	10.0	10.9	11.8	12.7	13.7	13.7	11.8	10.0	10.0	10.0	10.0
132.5°	10.0	10.0	10.0	10.9	11.8	11.8	10.9	9.1	9.1	9.1	9.1
135°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	9.1	9.1	8.2	7.3	7.3	7.3	7.3
140°	7.3	7.3	7.3	6.4	7.3	7.3	6.4	6.4	6.4	6.4	6.4
142.5°	5.5	6.4	5.5	5.5	5.5	5.5	5.5	4.6	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	4.6	4.6	4.6	3.6	4.6	4.6	4.6
147.5°	4.6	4.6	4.6	3.6	2.7	3.6	2.7	3.6	3.6	3.6	3.6
150°	4.6	4.6	3.6	3.6	2.7	1.8	1.8	2.7	2.7	2.7	2.7
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
155°	3.6	3.6	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.9	0.0	0.0	0.0
160°	2.7	2.7	2.7	1.8	0.9	0.9	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)