

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: P254736

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-50-D-U-T2U-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5320.9 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U3 - G2

Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

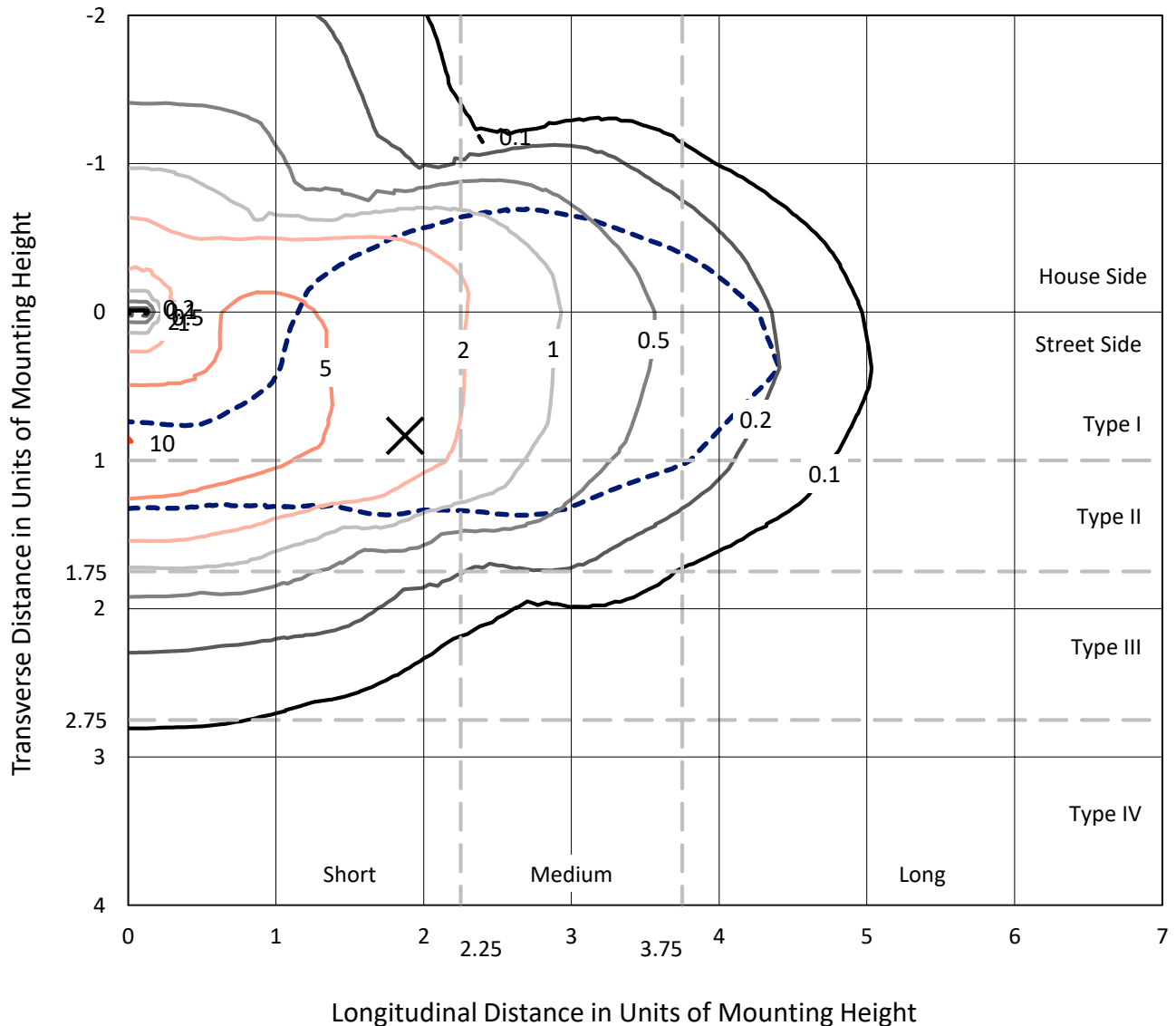


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

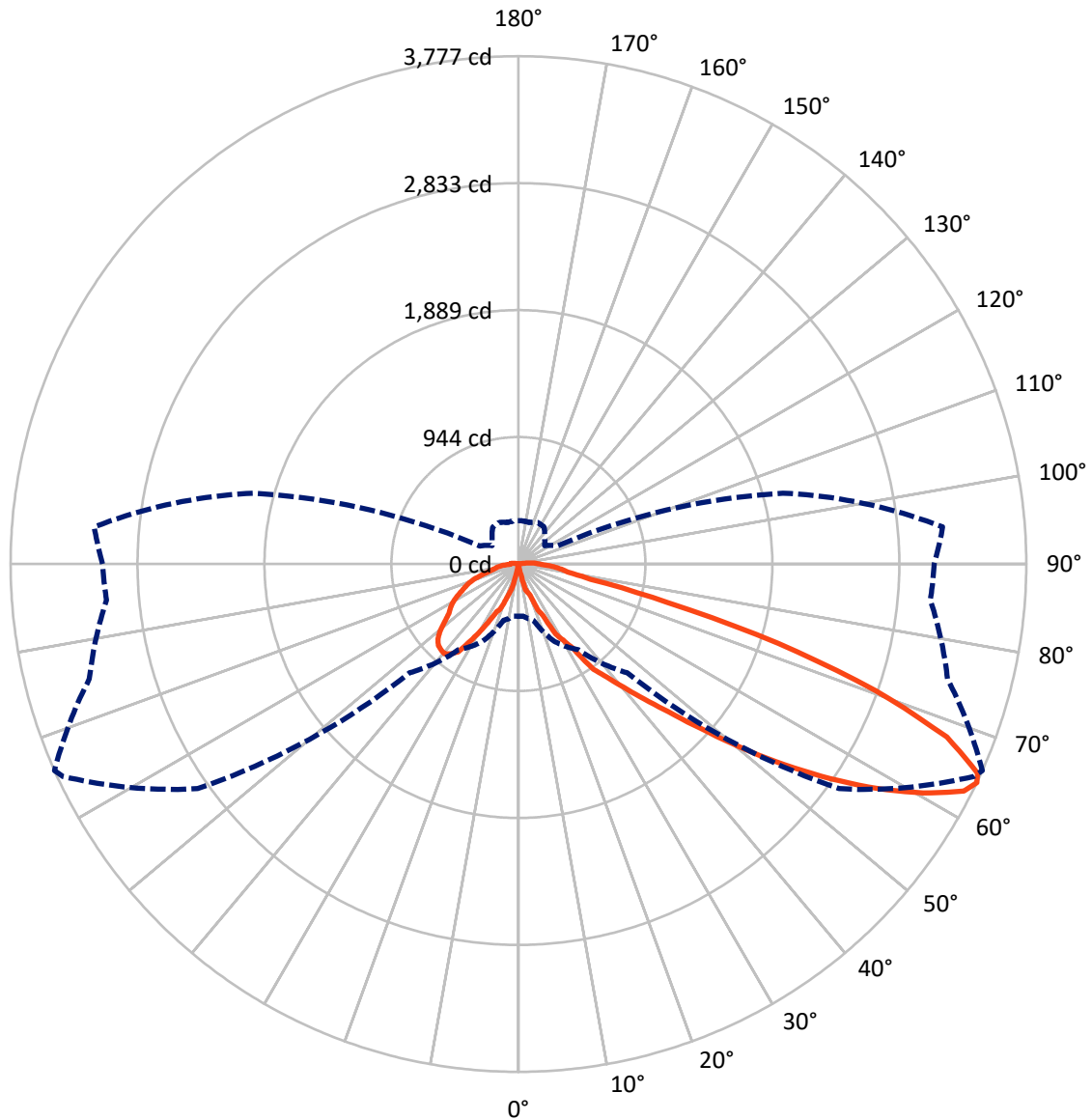


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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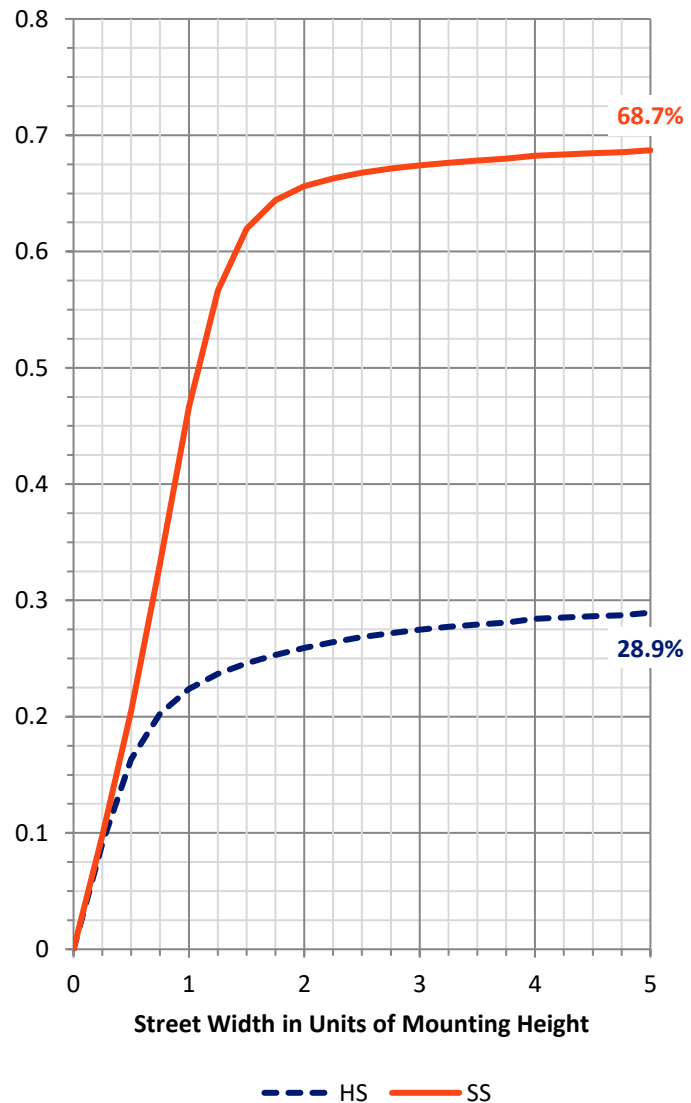
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1574.6	32.5	1607.2
	% Fixture	29.6	0.6	30.2
<b>Street Side</b>	Lumens	3684.2	29.6	3713.7
	% Fixture	69.2	0.6	69.8
<b>Total</b>	Lumens	5258.8	62.1	5320.9
	% Fixture	98.8	1.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	51.6	1.0
20°-30°	207.9	3.9
30°-40°	526.4	9.9
40°-50°	1003.7	18.9
50°-60°	1346.3	25.3
60°-70°	1246.6	23.4
70°-80°	701.1	13.2
80°-90°	171.6	3.2
90°-100°	52.3	1.0
100°-110°	6.2	0.1
110°-120°	1.7	0.0
120°-130°	1.0	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5258.8	98.8
0°-180°	5320.9	100.0



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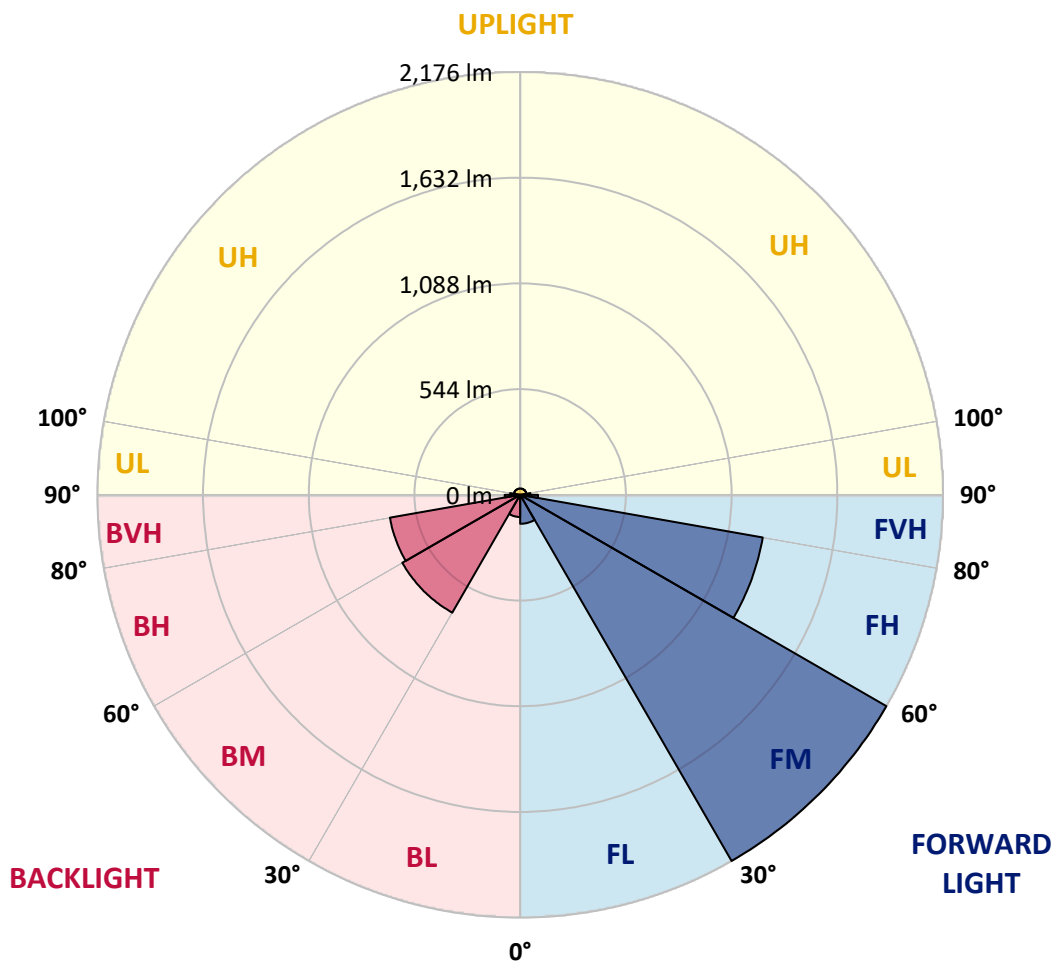
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T2U-CL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.0	2.8			
FM (30°-60°)	2175.8	40.9			
FH (60°-80°)	1267.5	23.8			G1/1800
FVH (80°-90°)	91.8	1.7			G1/100
BL (0°-30°)	114.0	2.1	B1/500		
BM (30°-60°)	700.5	13.2	B1/1000		
BH (60°-80°)	680.3	12.8	B2/1000		G2/1000
BVH (80°-90°)	79.8	1.5			G1/100
UL (90°-100°)	52.3	1.0		U3/500	
UH (100°-180°)	32.5	0.6		U2/50	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	6.2	6.2	6.2	6.9	6.2	5.7	5.0	3.8	3.2	1.8	1.8
5°	82.0	82.0	81.3	78.7	24.4	12.6	8.0	5.0	5.0	3.2	1.8
7.5°	92.0	91.3	91.3	88.8	88.2	81.3	41.3	8.0	7.5	4.4	2.5
10°	101.9	99.4	98.3	96.3	96.9	91.3	85.1	40.0	23.2	8.7	6.9
12.5°	188.9	187.7	182.0	153.3	106.3	97.6	95.7	80.1	77.6	66.9	78.2
15°	208.9	205.2	201.5	200.8	190.2	118.9	150.8	197.1	199.0	153.3	165.7
17.5°	243.9	237.7	225.2	215.8	210.3	243.9	224.5	217.8	219.6	187.7	187.1
20°	369.8	369.1	362.8	320.3	240.3	301.5	290.3	249.0	247.7	339.0	330.9
22.5°	436.1	425.3	417.3	403.5	412.9	330.3	352.8	362.8	370.9	389.1	372.2
25°	655.5	601.8	574.9	467.3	491.6	417.9	464.8	425.3	421.6	434.8	468.5
27.5°	756.3	759.5	738.1	700.1	568.0	586.1	518.7	596.2	591.2	601.8	577.4
30°	1007.2	990.3	874.5	837.0	734.4	668.1	715.0	670.7	656.2	643.7	638.1
32.5°	1241.7	1241.1	1209.8	1054.7	924.6	782.0	813.2	745.0	749.4	830.8	850.8
35°	1606.4	1582.7	1395.0	1300.6	1104.7	998.4	913.3	969.0	961.5	950.2	958.4
37.5°	2028.1	1998.2	1838.7	1543.3	1339.4	1145.5	1134.7	1094.8	1067.3	1079.7	1087.9
40°	2275.3	2250.2	2110.7	1859.8	1563.3	1401.9	1298.1	1238.7	1204.9	1254.3	1252.4
42.5°	2451.0	2429.2	2349.1	2090.0	1879.8	1707.8	1492.1	1406.9	1371.9	1447.5	1418.1
45°	2540.5	2502.2	2493.0	2297.7	2156.3	2079.4	1760.3	1613.3	1569.6	1650.3	1615.3
47.5°	2494.8	2452.9	2489.2	2365.4	2405.4	2402.2	2093.9	1853.6	1824.8	1892.4	1839.8
50°	2282.8	2258.4	2336.5	2353.5	2532.9	2663.7	2464.8	2108.1	2144.4	2112.0	2076.3
52.5°	1933.7	1923.6	2048.7	2189.5	2513.6	2835.2	2806.4	2399.7	2481.1	2335.9	2288.3
55°	1562.7	1564.6	1700.9	1867.4	2311.5	2859.6	3103.5	2747.6	2816.9	2561.7	2495.5
57.5°	1141.1	1191.2	1346.8	1488.2	1927.5	2699.4	3287.4	3095.4	3152.9	2795.1	2684.4
60°	740.0	758.1	945.8	1170.5	1421.4	2213.9	3358.7	3413.8	3458.2	3037.2	2864.6
62.5°	488.6	490.5	568.0	827.0	982.8	1545.2	3184.8	3676.5	3719.0	3223.5	3017.7
64°	389.1	388.5	434.2	635.1	780.1	1143.5	2912.8	3737.2	3777.2	3304.3	3075.3
65°	343.4	342.8	376.0	510.5	666.9	914.0	2641.3	3715.3	3754.0	3340.6	3091.0
67.5°	291.5	292.9	305.9	350.9	482.9	549.9	1615.8	3404.4	3436.3	3312.4	3036.6
70°	269.0	270.2	285.9	294.7	381.0	408.5	702.5	2780.6	2817.6	3184.2	2911.4
72.5°	237.1	239.0	259.6	282.1	302.1	339.0	447.3	1913.6	2019.3	2761.3	2743.2
75°	198.3	200.2	219.6	249.0	263.4	276.5	387.3	1015.3	1146.6	2078.2	2444.7
77.5°	162.0	163.3	179.5	199.5	239.6	214.5	339.0	519.2	550.5	1314.9	1807.9
80°	119.5	120.7	138.2	160.2	185.8	187.1	279.6	374.1	376.0	719.4	975.9
82.5°	82.0	82.6	100.1	112.6	131.3	173.2	224.0	308.4	324.1	427.3	448.5
85°	56.3	57.0	67.5	71.9	82.6	95.7	162.0	242.1	265.8	306.6	269.0
87.5°	26.9	28.2	29.4	31.2	32.6	33.8	69.5	178.3	187.7	204.6	212.7
90°	22.5	22.5	17.5	16.9	19.3	20.0	31.9	152.0	148.9	195.8	211.4
92.5°	22.5	22.5	16.3	15.7	17.5	16.9	23.2	125.1	121.4	192.7	208.9
95°	19.3	20.0	13.1	12.6	15.0	13.7	18.1	73.2	77.6	135.7	154.5
97.5°	16.3	16.3	10.1	10.1	10.6	10.1	11.9	26.9	30.0	57.6	68.2
100°	11.9	12.6	6.2	6.9	6.9	6.2	6.2	11.3	12.6	15.7	15.0
102.5°	10.1	11.3	4.4	5.0	3.8	3.8	3.2	5.0	5.0	8.0	11.9
105°	7.5	8.7	3.2	3.2	2.5	2.5	1.2	3.8	3.8	6.9	12.6
107.5°	4.4	5.0	1.8	1.8	1.8	2.5	1.2	2.5	3.2	5.7	10.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.8	1.8	0.6	1.2	0.6	1.8	1.2	2.5	3.2	2.5	5.7
112.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.8	1.2	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.6	1.2	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	3.2
120°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	3.2
122.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2	2.5
125°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5
127.5°	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8
130°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8
132.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
135°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
137.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.6
147.5°	3.2	3.2	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.6
150°	2.5	2.5	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6
152.5°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
155°	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	1.8	2.5	2.5	3.2	3.2	3.8	3.8	3.8	3.8	3.2	3.2
5°	1.8	2.5	2.5	3.2	3.8	5.0	5.7	6.9	6.9	7.5	7.5
7.5°	2.5	2.5	3.2	3.8	5.7	9.4	28.2	89.5	92.6	100.7	101.4
10°	6.2	6.9	6.9	7.5	18.1	92.0	103.2	107.6	113.2	113.8	113.2
12.5°	82.6	79.4	76.4	23.8	90.6	110.7	113.8	120.0	123.3	132.6	132.6
15°	167.0	167.0	161.3	177.6	160.7	123.3	132.6	208.3	215.8	221.5	218.3
17.5°	189.6	189.6	185.8	225.2	242.1	195.1	213.3	229.6	234.6	235.9	235.2
20°	340.9	337.2	304.1	276.5	252.7	309.6	261.4	236.4	281.6	325.9	328.5
22.5°	370.9	365.9	357.9	362.8	332.1	319.0	299.7	314.6	324.7	326.5	327.2
25°	467.9	464.8	404.2	386.6	417.3	355.9	360.3	308.4	314.0	320.9	320.3
27.5°	579.9	569.9	539.2	462.9	436.6	419.8	340.4	325.9	360.3	362.2	361.0
30°	643.7	615.5	559.3	571.8	471.7	401.6	337.8	341.6	326.5	327.2	328.5
32.5°	858.3	824.5	751.9	665.0	503.5	377.8	327.2	306.6	330.9	335.3	337.2
35°	938.3	908.4	845.7	787.0	513.0	360.3	290.8	300.3	300.9	302.1	303.4
37.5°	1049.8	1007.8	955.9	824.5	509.8	317.2	283.4	284.6	304.7	308.4	310.3
40°	1186.8	1133.6	1075.3	841.4	459.8	300.9	277.1	286.5	293.4	291.5	292.9
42.5°	1348.7	1276.8	1195.6	821.4	389.7	293.4	277.1	283.4	284.6	279.0	279.0
45°	1535.2	1455.2	1297.5	798.9	336.0	295.9	283.4	279.6	273.3	265.3	263.4
47.5°	1739.1	1645.9	1391.3	755.1	298.4	294.0	287.2	273.3	266.5	259.6	259.6
50°	1957.4	1859.3	1471.4	687.5	280.9	290.8	285.2	277.1	269.7	257.1	256.5
52.5°	2166.4	2086.3	1570.8	595.6	264.0	293.4	299.7	281.6	270.9	254.0	254.0
55°	2368.4	2322.2	1660.3	523.1	257.1	285.9	307.8	292.2	269.7	256.5	257.1
57.5°	2569.9	2564.2	1762.9	474.1	249.0	281.6	318.4	300.3	281.6	268.3	268.3
60°	2798.7	2824.5	1894.9	419.8	247.7	276.5	322.8	314.0	292.2	289.6	290.3
62.5°	2995.9	3062.9	1995.6	356.6	239.6	272.7	330.3	327.2	305.3	302.7	306.6
64°	3092.8	3167.3	2035.0	317.2	237.7	275.3	333.5	340.4	319.7	322.2	322.2
65°	3127.9	3201.1	2046.3	290.8	235.9	276.5	334.0	344.7	322.8	322.2	322.2
67.5°	3129.1	3185.5	2006.9	249.6	227.7	275.9	337.2	356.6	335.3	349.7	344.0
70°	3055.3	2982.1	1854.2	220.8	226.5	276.5	334.7	350.2	331.6	364.1	361.0
72.5°	2852.0	2589.2	1473.3	194.6	229.0	272.7	321.6	334.0	320.3	367.8	364.7
75°	2409.7	2018.1	907.1	182.0	225.8	259.6	305.9	304.1	297.1	327.2	325.3
77.5°	1656.0	1328.0	434.2	177.6	221.5	241.5	271.5	268.3	260.9	273.3	269.7
80°	857.0	701.9	262.1	162.7	205.9	209.6	221.5	224.0	215.8	218.9	213.9
82.5°	405.4	370.4	220.1	148.3	176.5	155.1	172.1	180.2	165.7	166.4	148.9
85°	253.4	258.4	181.4	115.2	118.9	94.5	119.5	128.3	110.2	93.9	89.5
87.5°	210.3	219.6	133.9	64.5	55.0	48.2	67.5	70.7	50.7	42.5	39.5
90°	217.1	224.0	131.9	51.4	43.8	36.3	49.3	43.8	31.2	27.6	25.0
92.5°	215.2	218.3	130.8	49.3	41.3	33.1	41.9	33.8	24.4	21.3	19.3
95°	162.0	173.9	105.8	48.2	36.3	26.9	31.2	26.2	16.9	15.0	13.7
97.5°	66.9	78.7	62.6	45.7	28.2	20.0	20.6	18.1	10.1	8.7	8.0
100°	13.1	20.6	33.1	33.1	13.7	10.6	10.6	10.1	5.0	4.4	3.8
102.5°	13.1	12.6	15.0	18.1	6.2	3.2	3.8	5.0	3.2	4.4	4.4
105°	13.7	13.1	8.0	5.0	3.8	1.8	1.2	1.2	2.5	5.0	5.7
107.5°	12.6	12.6	5.7	3.8	3.2	2.5	0.6	0.6	1.8	5.7	6.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.2	6.9	4.4	3.2	3.2	2.5	0.6	0.0	1.8	6.2	6.9
112.5°	3.8	3.8	3.8	2.5	1.8	1.8	0.6	0.0	1.8	6.9	7.5
115°	3.8	3.8	3.2	2.5	1.8	1.2	0.0	0.0	1.8	7.5	8.0
117.5°	3.8	3.8	3.2	1.8	1.2	0.6	0.0	0.0	1.8	7.5	8.0
120°	3.8	3.8	3.2	1.8	1.2	0.6	0.0	0.0	1.8	6.9	7.5
122.5°	3.8	3.8	3.2	1.8	1.2	0.6	0.0	0.0	1.8	5.7	6.2
125°	3.2	3.2	2.5	1.8	1.2	0.6	0.0	0.0	1.2	5.0	5.0
127.5°	2.5	3.2	2.5	1.8	1.2	0.6	0.0	0.0	1.2	3.8	4.4
130°	2.5	2.5	1.8	1.8	1.2	0.6	0.0	0.0	0.6	3.2	3.8
132.5°	1.8	1.8	1.2	1.2	1.2	0.6	0.0	0.0	0.0	1.2	1.8
135°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.6
137.5°	0.6	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
140°	0.6	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
142.5°	0.6	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
145°	0.6	1.2	1.2	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.6	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)