

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: P254577

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T3-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-80-D-U-T3-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7520.3 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G2

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

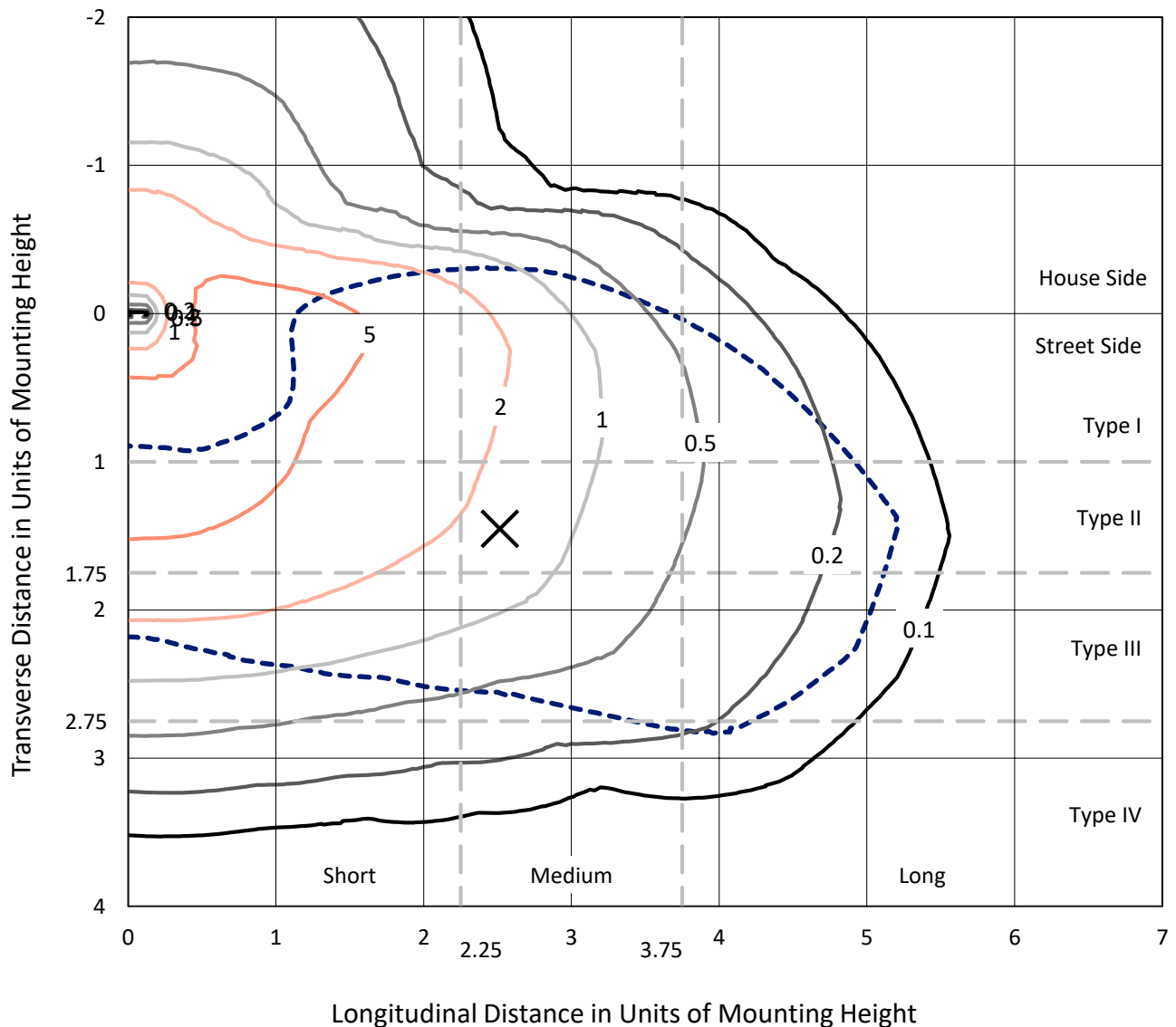


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

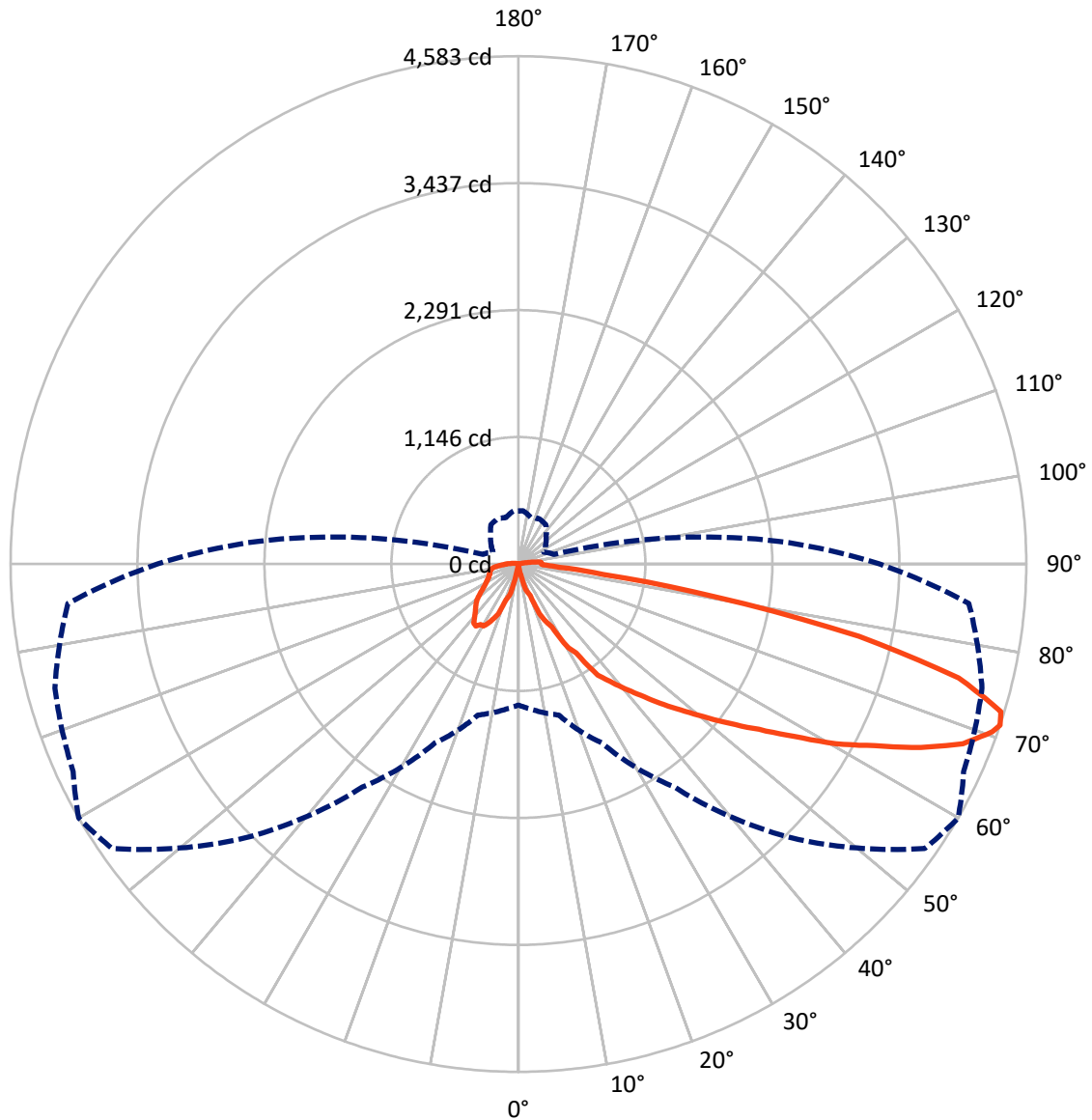


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical



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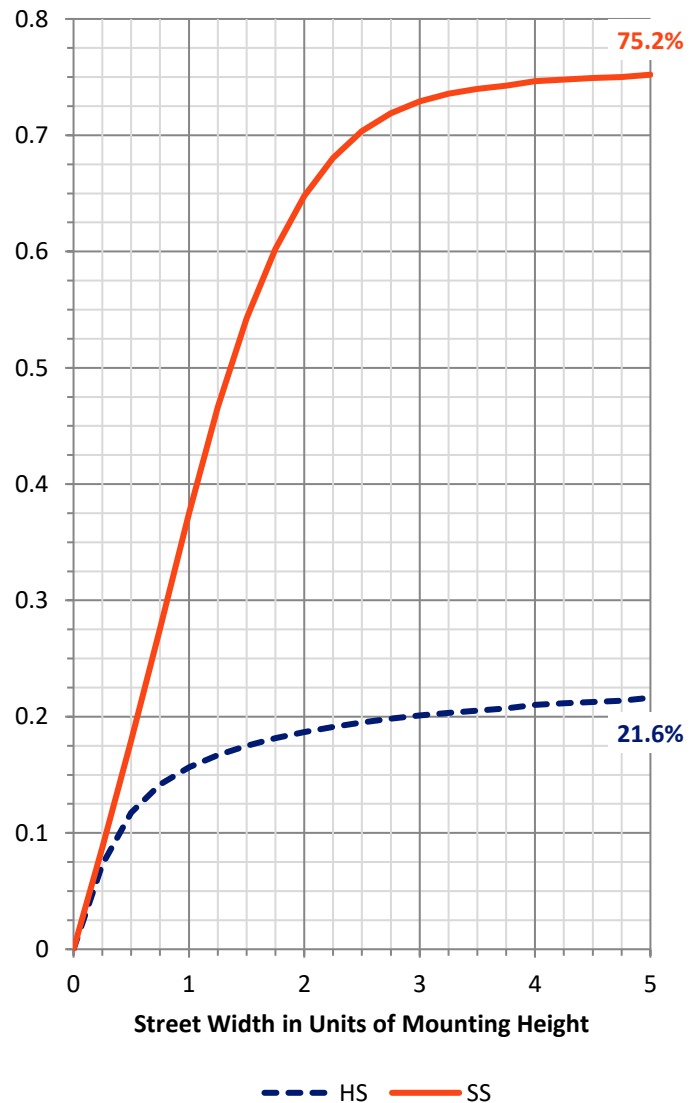
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1708.4	55.4	1763.8
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	5702.4	54.0	5756.4
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	7410.8	109.4	7520.3
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	67.6	0.9
20°-30°	277.3	3.7
30°-40°	623.5	8.3
40°-50°	1082.4	14.4
50°-60°	1640.1	21.8
60°-70°	2021.2	26.9
70°-80°	1377.6	18.3
80°-90°	317.0	4.2
90°-100°	96.8	1.3
100°-110°	9.1	0.1
110°-120°	1.5	0.0
120°-130°	1.0	0.0
130°-140°	0.4	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7410.8	98.5
0°-180°	7520.3	100.0



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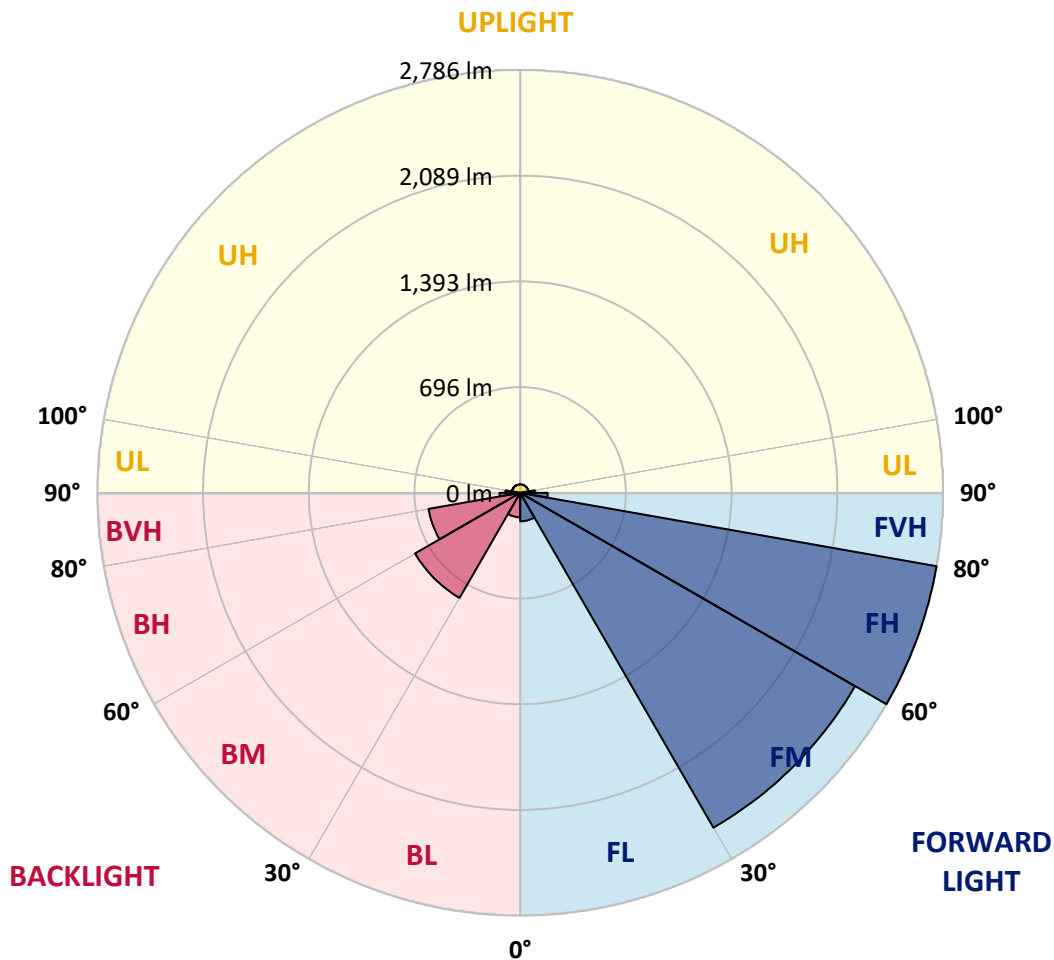
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T3-CL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.9	2.5			
FM (30°-60°)	2547.1	33.9			
FH (60°-80°)	2785.7	37.0			G2/5000
FVH (80°-90°)	181.7	2.4			G2/225
BL (0°-30°)	161.0	2.1	B1/500		
BM (30°-60°)	798.9	10.6	B1/1000		
BH (60°-80°)	613.1	8.2	B2/1000		G2/1000
BVH (80°-90°)	135.3	1.8			G2/225
UL (90°-100°)	96.8	1.3		U3/500	
UH (100°-180°)	55.4	0.7		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	4.5	5.4	3.5	4.5	4.5	3.5	2.6	2.6	3.5	3.5	2.6
5°	80.7	81.5	85.0	87.7	30.1	21.3	7.9	5.4	4.5	3.5	3.5
7.5°	101.8	100.1	98.4	93.0	95.7	89.5	53.1	22.2	10.6	4.5	3.5
10°	117.8	117.8	109.8	103.7	102.8	100.9	95.7	87.7	41.6	8.8	6.2
12.5°	215.2	209.1	199.3	163.9	124.9	112.5	109.8	112.5	92.1	91.2	122.3
15°	246.3	248.0	242.8	229.5	222.4	143.5	188.7	234.8	235.7	188.7	212.6
17.5°	319.8	318.1	290.5	264.9	257.8	274.7	275.6	264.0	264.9	235.7	250.7
20°	475.8	480.2	457.1	387.1	313.6	362.3	351.7	305.6	311.8	444.6	458.9
22.5°	558.1	566.9	539.5	510.2	505.9	402.2	454.5	485.4	471.4	524.5	527.9
25°	828.3	804.3	700.8	599.8	613.1	535.9	588.3	572.3	547.5	586.5	678.6
27.5°	901.8	908.1	881.5	830.1	703.4	731.7	667.0	640.5	737.9	823.0	847.9
30°	1069.3	1069.3	974.5	955.0	899.2	817.7	872.7	864.7	881.5	894.8	940.8
32.5°	1298.8	1283.7	1241.1	1094.1	1032.9	935.5	1006.4	957.6	986.9	1168.5	1245.5
35°	1535.3	1534.3	1389.1	1280.9	1156.1	1141.0	1107.4	1233.2	1267.7	1275.7	1351.9
37.5°	1836.4	1839.2	1760.2	1443.1	1314.7	1245.5	1334.2	1342.1	1382.9	1452.8	1476.7
40°	2073.8	2059.7	1958.7	1722.2	1513.1	1414.8	1491.8	1478.6	1548.5	1604.4	1638.9
42.5°	2370.7	2361.7	2222.8	1948.9	1787.7	1630.9	1652.2	1617.7	1668.2	1807.2	1821.4
45°	2649.7	2632.9	2504.4	2212.1	2042.9	1870.1	1824.1	1792.2	1803.7	1961.4	2015.4
47.5°	2836.7	2817.1	2768.4	2481.4	2348.5	2122.6	2027.9	1964.1	1978.2	2154.5	2243.9
50°	3070.5	3005.8	2962.4	2705.5	2610.8	2428.3	2227.1	2165.1	2196.9	2358.3	2497.3
52.5°	3195.4	3107.8	3108.7	2925.2	2835.8	2706.5	2449.5	2389.3	2431.8	2585.9	2788.0
55°	3101.6	3092.7	3169.7	3065.2	3014.7	2903.1	2689.6	2634.7	2704.6	2884.5	3107.8
57.5°	2967.8	2981.0	3139.7	3189.3	3189.3	3099.8	2956.2	2933.2	3008.5	3191.0	3415.1
60°	2814.5	2847.3	3050.2	3192.8	3298.2	3292.8	3244.1	3292.0	3314.2	3487.8	3789.8
62.5°	2589.5	2604.5	2842.0	3130.8	3303.6	3472.7	3547.1	3608.3	3692.4	3835.0	4110.6
65°	2331.7	2350.2	2587.7	2964.2	3274.3	3590.6	3844.0	3991.9	4017.6	4131.8	4341.8
67.5°	1998.6	2019.0	2226.2	2651.5	3159.1	3686.2	4146.0	4326.7	4283.3	4267.3	4396.7
70°	1548.5	1547.6	1693.8	2084.5	2738.2	3649.0	4412.7	4535.8	4423.3	4335.6	4244.2
71°	1272.1	1315.6	1411.2	1780.7	2457.5	3497.5	4476.5	4582.8	4433.0	4330.3	4080.4
72.5°	810.6	861.1	942.6	1270.3	1961.4	3105.9	4420.6	4551.7	4401.2	4265.6	3750.9
75°	319.8	331.3	391.5	588.3	1063.9	2091.5	3903.3	4102.5	4043.2	3921.0	3006.7
77.5°	193.2	199.3	222.4	294.1	488.2	967.4	2850.8	3140.5	3245.0	3188.3	2069.5
80°	145.4	151.6	171.9	207.3	326.0	402.2	1506.0	1804.5	2062.4	2059.7	1161.4
82.5°	110.8	114.2	133.8	146.2	242.8	278.2	567.8	768.1	999.2	999.2	575.8
85°	102.8	102.8	108.9	98.4	161.2	199.3	337.5	369.4	390.7	414.6	335.8
87.5°	40.8	39.9	52.2	50.5	70.9	131.1	213.5	223.2	209.1	253.4	289.6
90°	27.5	28.3	22.2	22.2	39.0	120.5	194.9	204.7	192.2	228.6	297.6
92.5°	26.6	27.5	20.3	20.3	29.3	100.1	203.8	207.3	197.5	235.7	302.9
95°	23.9	24.8	16.8	16.8	23.1	61.0	189.6	194.9	169.3	190.4	242.8
97.5°	18.6	19.4	11.5	12.4	17.7	23.1	113.4	121.4	94.8	89.5	105.4
100°	12.4	13.3	7.1	8.8	10.6	10.6	43.3	47.0	42.5	23.1	13.3
102.5°	11.5	12.4	5.4	5.4	5.4	3.5	8.8	14.2	7.9	9.8	11.5
105°	10.6	12.4	3.5	2.6	1.7	1.7	2.6	3.5	4.5	6.2	12.4
107.5°	7.1	7.9	1.7	1.7	0.9	1.7	1.7	1.7	2.6	4.5	11.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.5	3.5	0.9	0.9	0.0	0.9	0.9	1.7	2.6	3.5	5.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	2.6	4.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6	4.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	2.6	4.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	2.6	4.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.5
125°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	4.5
127.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	3.5
130°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
140°	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
142.5°	1.7	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	1.7	1.7
145°	1.7	1.7	0.9	0.9	0.0	0.0	0.9	0.9	1.7	1.7	1.7
147.5°	2.6	2.6	0.9	0.0	0.0	0.0	0.9	0.9	1.7	1.7	2.6
150°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.9	1.7	1.7	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9	0.9
5°	2.6	2.6	2.6	2.6	2.6	1.7	3.5	5.4	6.2	7.1	7.1
7.5°	3.5	3.5	3.5	3.5	3.5	7.1	44.2	98.4	112.5	120.5	117.8
10°	6.2	6.2	5.4	6.2	22.2	109.8	133.8	143.5	145.4	151.6	156.8
12.5°	131.1	112.5	53.1	30.1	113.4	142.6	154.2	162.1	171.0	212.6	190.4
15°	217.1	221.5	217.1	239.2	267.5	161.2	191.3	292.4	317.2	324.3	322.5
17.5°	256.9	251.7	251.7	306.5	317.2	315.4	304.8	326.0	332.2	342.8	339.2
20°	478.3	480.2	450.9	356.1	338.3	424.4	341.1	340.3	405.8	466.0	467.7
22.5°	533.3	537.8	523.6	527.9	442.9	438.5	427.9	449.2	474.8	486.3	482.8
25°	723.8	674.1	583.8	543.9	536.9	448.3	505.0	463.4	466.9	473.1	477.5
27.5°	877.1	870.8	812.4	663.5	536.9	543.9	486.3	478.3	531.5	536.9	537.8
30°	949.7	933.7	868.2	698.0	589.1	520.9	473.9	511.2	503.1	508.5	508.5
32.5°	1266.0	1258.8	1114.5	716.7	570.6	482.0	485.4	484.6	530.7	545.8	542.2
35°	1351.0	1337.7	1124.2	814.1	541.3	486.3	457.1	491.6	491.6	497.9	496.1
37.5°	1456.4	1434.2	1140.1	779.6	559.0	457.1	447.4	457.1	482.0	489.1	484.6
40°	1601.7	1551.2	1126.9	721.9	521.8	452.7	430.6	448.3	446.6	437.6	433.2
42.5°	1753.2	1693.0	1127.8	668.8	492.5	446.6	425.2	421.7	416.4	402.2	399.6
45°	1949.8	1831.1	1141.0	631.6	467.7	442.9	419.9	403.9	395.9	381.9	379.1
47.5°	2174.0	1979.1	1136.7	601.5	442.9	432.3	403.9	389.0	384.5	365.0	362.3
50°	2399.9	2122.6	1140.1	560.7	414.6	420.7	399.6	378.2	370.3	348.2	347.2
52.5°	2663.8	2272.4	1117.0	502.3	381.9	405.8	402.2	381.0	381.0	348.2	345.5
55°	2925.2	2455.7	1097.6	440.4	359.7	393.4	407.5	399.6	397.8	352.6	349.9
57.5°	3183.0	2613.4	1034.6	386.2	345.5	382.7	419.9	411.9	406.7	370.3	362.3
60°	3461.3	2819.8	916.0	343.7	337.5	373.8	423.5	422.7	392.5	389.0	384.5
62.5°	3670.2	2939.4	762.7	315.4	326.0	371.2	421.7	421.7	395.9	395.1	393.4
65°	3769.5	2954.5	576.7	293.3	314.4	366.8	415.5	432.3	411.9	414.6	411.1
67.5°	3718.9	2840.2	434.1	273.7	303.8	363.2	416.4	444.6	426.1	453.5	449.2
70°	3452.4	2546.1	357.1	260.5	300.4	357.1	428.8	448.3	435.8	480.2	474.8
71°	3258.3	2356.5	333.1	252.5	300.4	353.5	431.5	449.2	434.1	482.8	478.3
72.5°	2929.7	2022.5	307.4	240.9	298.5	351.7	431.5	448.3	439.4	494.3	486.3
75°	2207.7	1388.2	275.6	234.8	296.7	346.4	422.7	440.4	432.3	473.9	472.2
77.5°	1414.8	811.5	246.3	234.0	289.6	343.7	411.1	424.4	410.2	445.6	443.8
80°	778.7	466.0	218.8	218.8	275.6	337.5	393.4	395.9	381.9	409.2	397.8
82.5°	462.3	330.4	181.6	192.2	255.1	320.6	373.8	361.4	346.4	396.8	337.5
85°	311.8	256.9	124.9	147.9	229.5	278.2	333.1	313.6	287.9	289.6	276.4
87.5°	258.7	204.7	65.5	96.5	178.1	203.8	247.2	227.7	201.1	197.5	186.1
90°	256.9	199.3	52.2	86.9	142.6	157.7	191.3	172.7	157.7	163.9	155.0
92.5°	258.7	197.5	54.1	74.4	116.9	118.8	156.8	149.6	136.5	139.1	130.2
95°	207.3	155.0	52.2	59.3	66.4	63.0	96.5	96.5	83.2	78.8	73.5
97.5°	86.9	77.0	48.7	47.8	47.0	34.5	55.8	63.8	43.3	29.3	25.6
100°	13.3	22.2	40.8	45.3	32.8	20.3	35.4	40.8	23.1	4.5	3.5
102.5°	13.3	11.5	16.8	33.7	19.4	5.4	14.2	23.1	11.5	2.6	3.5
105°	14.2	11.5	7.1	17.7	4.5	1.7	0.9	6.2	1.7	2.6	2.6
107.5°	13.3	10.6	4.5	3.5	2.6	0.9	0.0	0.0	0.0	2.6	3.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.1	6.2	4.5	2.6	1.7	0.9	0.0	0.0	0.0	2.6	3.5
112.5°	4.5	5.4	3.5	2.6	0.9	0.9	0.0	0.0	0.0	3.5	4.5
115°	5.4	5.4	3.5	1.7	0.9	0.0	0.0	0.0	0.0	3.5	4.5
117.5°	5.4	5.4	3.5	1.7	0.9	0.0	0.0	0.0	0.0	3.5	4.5
120°	5.4	5.4	3.5	1.7	0.9	0.0	0.0	0.0	0.0	3.5	4.5
122.5°	5.4	5.4	3.5	1.7	0.9	0.0	0.0	0.0	0.0	2.6	3.5
125°	4.5	4.5	3.5	1.7	0.0	0.0	0.0	0.0	0.0	2.6	3.5
127.5°	4.5	4.5	2.6	1.7	0.0	0.0	0.0	0.0	0.0	1.7	2.6
130°	4.5	4.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7
132.5°	3.5	3.5	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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)