

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: P254631

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T4W-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254631  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
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-T4W-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7464.6 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - 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

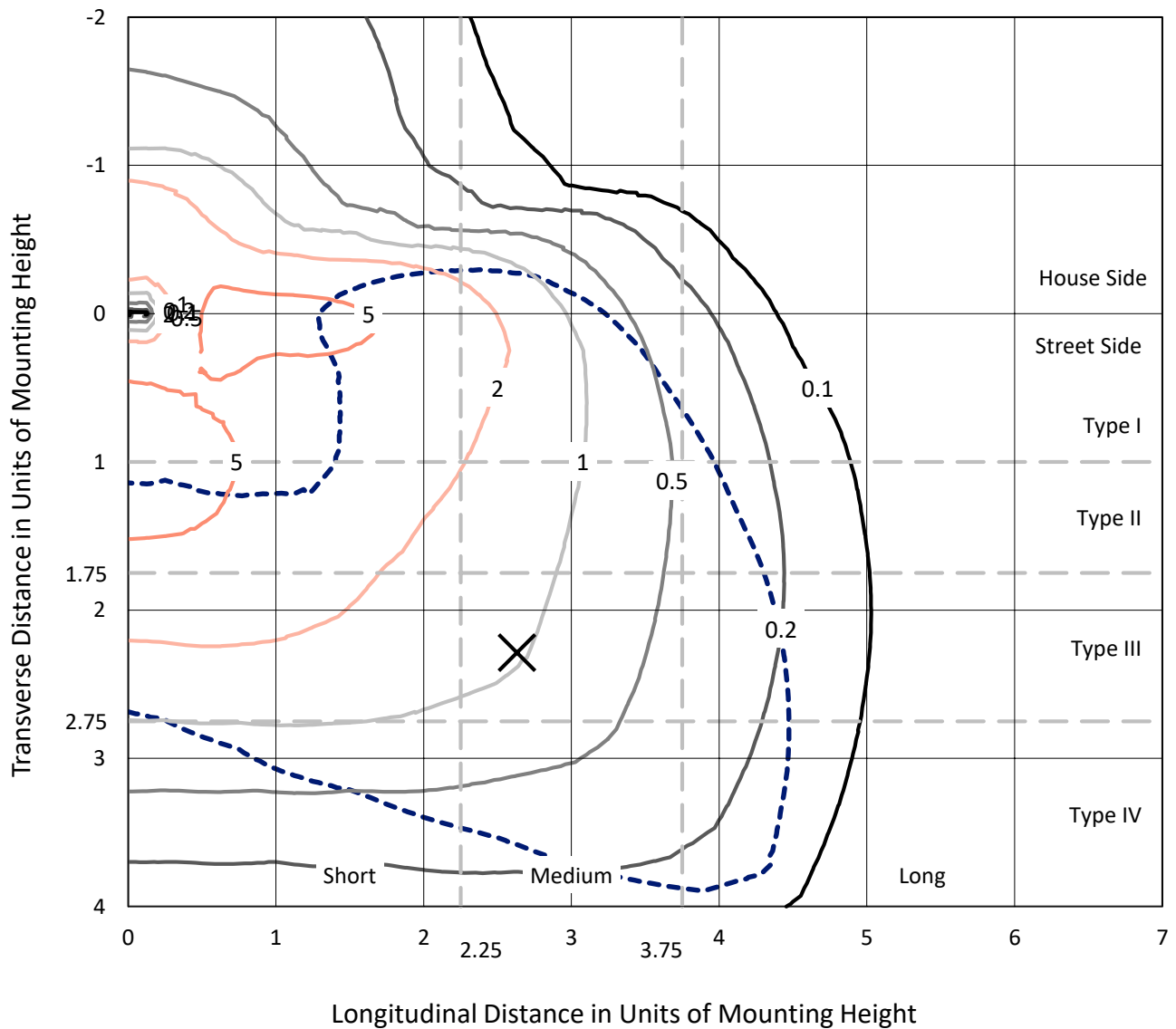


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

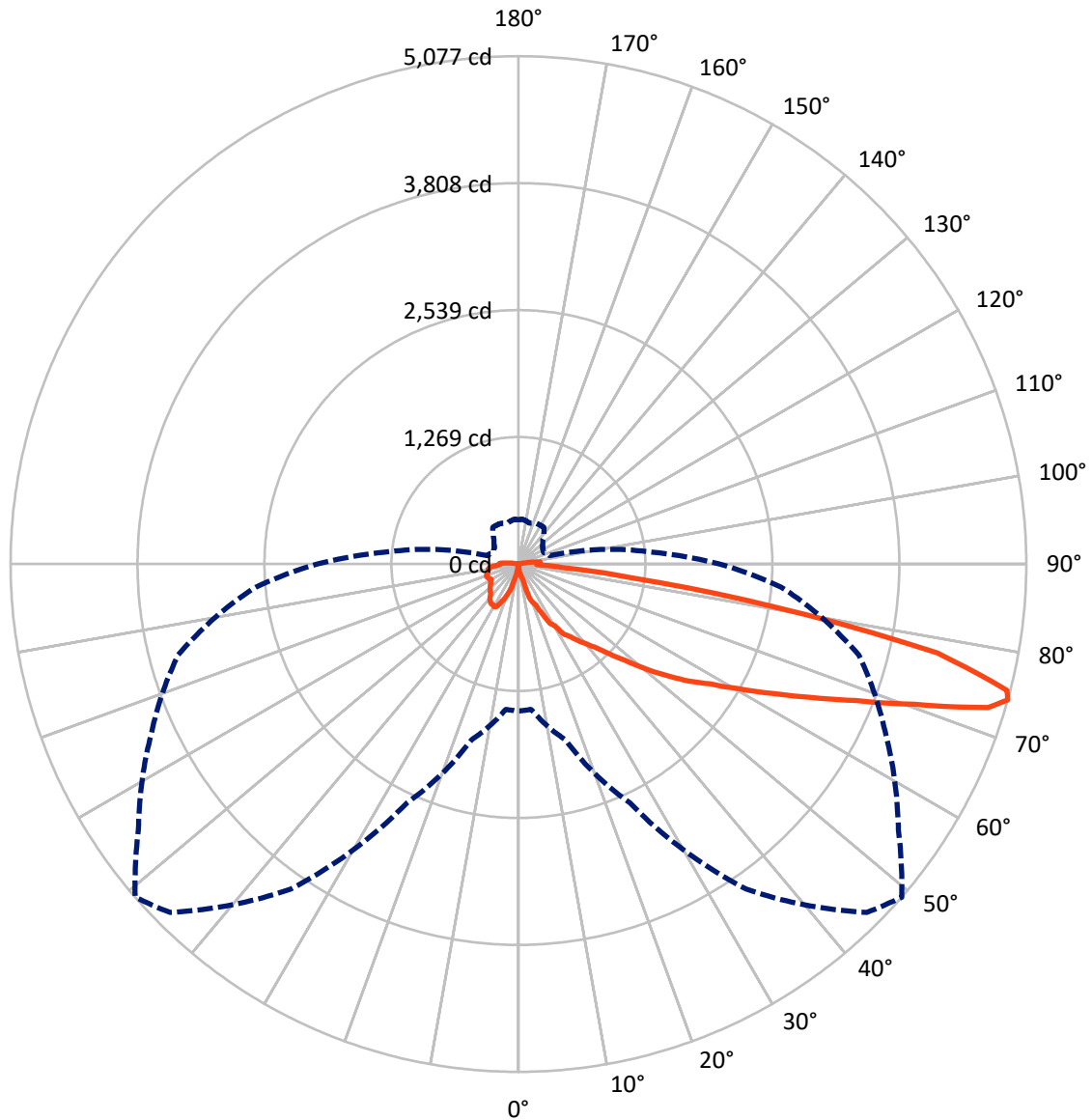


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

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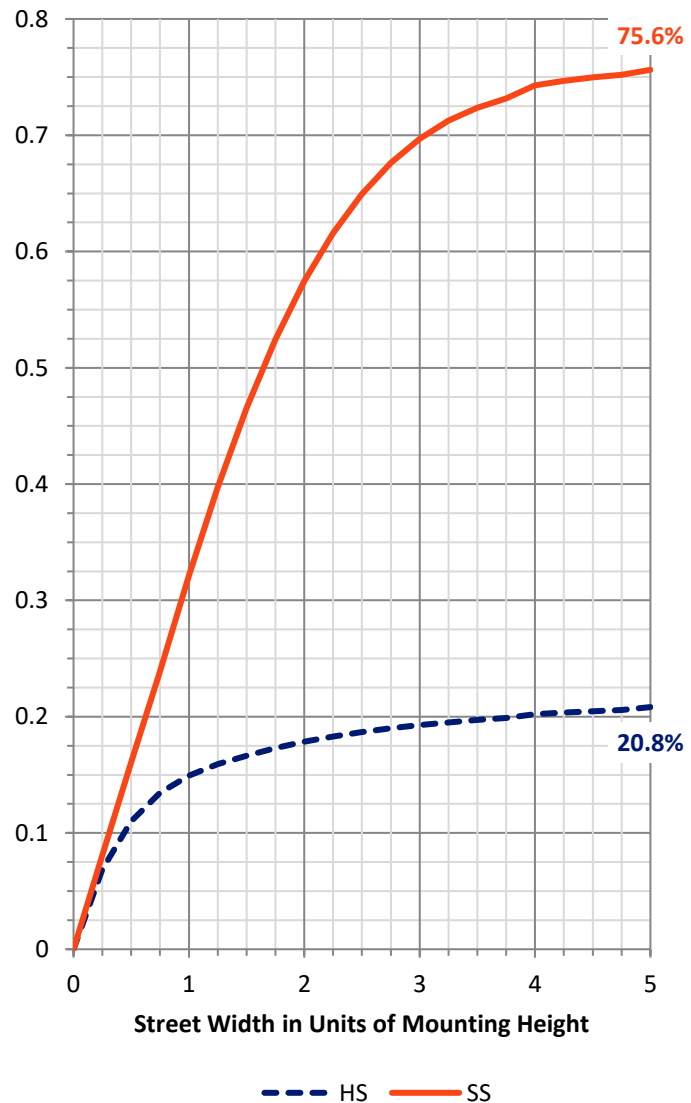
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1646.2	70.7	1716.9
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	5688.4	59.2	5747.6
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	7334.6	130.0	7464.6
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	67.1	0.9
20°-30°	254.8	3.4
30°-40°	541.4	7.3
40°-50°	890.0	11.9
50°-60°	1435.4	19.2
60°-70°	2073.9	27.8
70°-80°	1702.7	22.8
80°-90°	365.2	4.9
90°-100°	117.6	1.6
100°-110°	9.3	0.1
110°-120°	1.3	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7334.6	98.3
0°-180°	7464.6	100.0

**Coefficient of Utilization**



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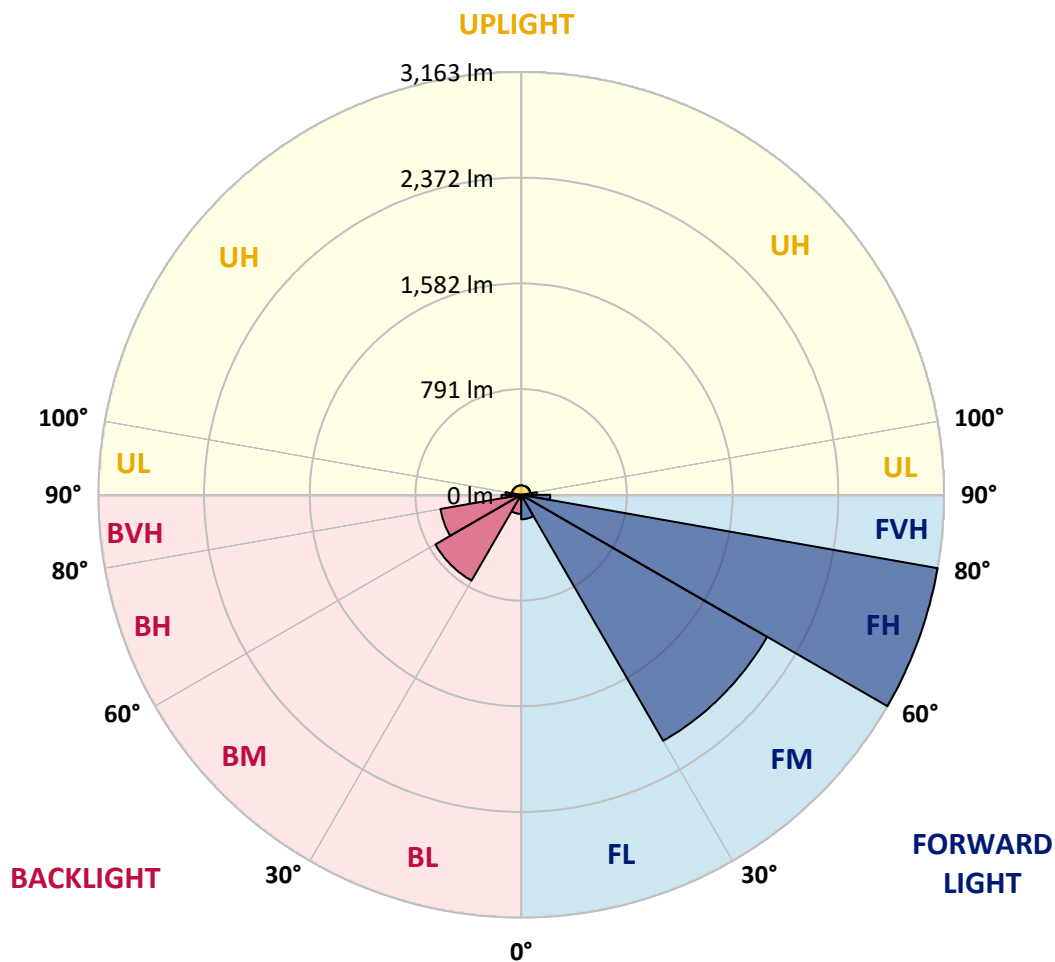
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.9	2.5			
FM (30°-60°)	2124.9	28.5			
FH (60°-80°)	3163.2	42.4			G2/5000
FVH (80°-90°)	217.4	2.9			G2/225
BL (0°-30°)	143.1	1.9	B1/500		
BM (30°-60°)	741.8	9.9	B1/1000		
BH (60°-80°)	613.4	8.2	B2/1000		G2/1000
BVH (80°-90°)	147.8	2.0			G2/225
UL (90°-100°)	117.6	1.6		U3/500	
UH (100°-180°)	70.7	0.9		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	6.2	5.4	4.5	3.5	3.5	2.6	2.6	2.6	3.5	3.5	3.5
5°	99.2	98.4	89.5	85.0	34.5	21.3	18.6	11.5	4.5	3.5	3.5
7.5°	117.8	116.1	113.4	118.6	110.8	96.5	88.6	51.4	14.2	4.5	3.5
10°	155.9	154.2	140.8	137.3	124.9	114.2	108.0	100.9	42.5	8.8	6.2
12.5°	295.0	285.2	277.3	234.8	158.5	128.5	127.7	119.6	100.1	90.3	109.8
15°	333.1	324.3	311.0	308.3	281.7	170.1	155.9	215.2	255.1	191.3	195.8
17.5°	377.4	381.9	364.1	326.9	303.8	325.1	358.0	316.3	279.9	232.9	236.5
20°	531.5	527.9	513.8	471.4	385.3	419.0	407.5	400.4	326.9	430.6	418.1
22.5°	551.9	551.0	543.9	518.2	553.7	446.6	442.9	493.5	486.3	495.2	477.5
25°	723.8	730.8	707.8	555.5	582.9	570.6	550.1	599.8	543.9	548.4	611.3
27.5°	758.4	754.8	742.4	711.4	616.6	676.0	670.7	636.1	706.1	744.2	748.5
30°	954.2	929.4	802.6	773.3	744.2	707.8	717.7	757.5	788.5	777.8	821.2
32.5°	1048.9	1042.7	1022.3	907.2	805.2	784.1	835.4	849.6	831.9	985.1	1060.5
35°	1365.2	1336.8	1173.8	1005.5	897.4	885.9	891.2	890.4	1011.7	1039.2	1142.9
37.5°	1761.2	1724.0	1595.5	1233.2	979.8	927.5	971.9	1016.9	1058.6	1138.4	1218.1
40°	1993.2	1973.8	1871.1	1524.6	1142.9	1009.0	1052.5	1074.6	1129.5	1195.1	1328.8
42.5°	2171.3	2169.6	2104.9	1730.1	1365.2	1138.4	1146.3	1149.0	1189.8	1296.1	1454.7
45°	2292.7	2290.9	2302.4	1923.3	1577.8	1285.4	1286.3	1254.4	1283.7	1421.9	1629.2
47.5°	2443.2	2416.7	2443.2	2128.0	1762.1	1459.9	1444.0	1369.6	1430.8	1596.4	1871.9
50°	2594.0	2569.1	2579.7	2288.2	1944.6	1672.5	1644.3	1545.0	1629.2	1816.1	2172.2
52.5°	2790.6	2758.7	2710.8	2457.5	2191.7	1894.0	1854.1	1773.6	1851.5	2092.6	2551.4
55°	2934.9	2912.0	2896.0	2697.5	2366.2	2090.6	2063.3	1972.0	2182.9	2401.6	2956.2
57.5°	3047.5	3056.3	3105.0	2991.6	2694.0	2306.9	2262.5	2224.5	2495.6	2767.5	3390.4
60°	3166.3	3149.4	3268.9	3265.4	2971.3	2523.9	2532.7	2527.5	2814.5	3116.6	3894.4
62.5°	3159.1	3172.4	3387.7	3459.4	3209.6	2813.7	2848.2	2838.4	3141.4	3463.8	4268.2
65°	2873.0	2912.0	3380.6	3544.5	3504.6	3156.5	3214.1	3206.1	3519.7	3759.7	4504.8
67.5°	2685.1	2734.8	3176.8	3613.5	3784.5	3595.8	3641.9	3612.6	3789.8	3924.5	4505.7
70°	2488.5	2523.1	2916.3	3641.1	4086.7	4169.0	4198.3	4017.6	4014.8	4018.4	4136.2
72.5°	2025.1	2029.6	2385.6	3219.4	4217.7	4790.0	4907.8	4511.0	4131.8	3842.1	3323.0
74°	1469.7	1458.2	1821.4	2633.8	3966.1	4925.6	5077.1	4636.8	4053.8	3523.2	2633.8
75°	1060.5	1090.5	1359.8	2130.5	3579.0	4888.4	5043.4	4611.1	3892.6	3199.8	2142.1
77.5°	337.5	349.1	442.9	897.4	2191.7	4006.0	4280.7	3874.9	2964.2	2021.7	1107.4
80°	180.8	188.7	236.5	352.6	919.5	2325.5	2592.1	2251.1	1646.0	1016.1	606.0
82.5°	108.0	113.4	155.0	212.6	476.6	965.7	1142.9	936.4	801.8	584.6	423.5
85°	70.0	71.8	90.3	131.1	309.2	380.0	445.6	458.9	457.1	410.2	340.3
87.5°	39.0	39.9	42.5	55.8	141.7	199.3	181.6	222.4	265.7	264.0	301.2
90°	27.5	27.5	23.1	24.8	78.0	200.2	182.5	195.8	176.4	207.3	311.0
92.5°	25.6	26.6	21.3	22.2	62.1	196.6	219.7	218.8	180.8	217.1	312.7
95°	21.3	23.1	16.8	18.6	39.0	168.4	218.0	217.1	159.4	171.9	222.4
97.5°	16.8	17.7	11.5	14.2	23.1	85.9	131.1	124.9	84.1	72.6	86.9
100°	10.6	11.5	6.2	9.8	14.2	28.3	47.0	49.6	39.0	17.7	10.6
102.5°	10.6	11.5	4.5	6.2	6.2	7.9	10.6	8.8	12.4	6.2	8.8
105°	10.6	11.5	3.5	2.6	1.7	2.6	1.7	2.6	4.5	5.4	10.6
107.5°	7.9	8.8	1.7	1.7	0.9	1.7	1.7	1.7	2.6	4.5	9.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	5.4	5.4	0.9	0.9	0.0	1.7	1.7	1.7	2.6	3.5	5.4
112.5°	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	2.6	2.6	3.5
115°	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.7	2.6	4.5
117.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	4.5
120°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.5
122.5°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.5
125°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.5
127.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
130°	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.5
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7
142.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7	1.7
145°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	1.7	1.7	2.6
147.5°	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	1.7	2.6	2.6
150°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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	0.9	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	1.7	1.7	0.9	0.9	1.7	2.6	4.5	6.2	6.2
7.5°	3.5	2.6	2.6	2.6	2.6	12.4	45.3	78.8	99.2	106.3	104.6
10°	6.2	5.4	5.4	5.4	26.6	86.9	116.1	118.6	127.7	129.4	128.5
12.5°	132.9	113.4	70.9	33.7	93.0	121.4	126.6	135.6	141.7	186.1	194.9
15°	196.6	194.1	188.7	199.3	216.2	139.1	171.0	228.6	258.7	270.2	273.7
17.5°	235.7	232.0	217.1	251.7	266.7	264.0	255.1	273.7	278.2	288.8	287.9
20°	427.9	419.0	373.8	296.7	279.0	350.8	287.9	288.8	358.8	400.4	396.8
22.5°	472.2	467.7	442.9	435.8	375.7	371.2	385.3	395.1	426.1	441.2	439.4
25°	613.1	607.7	492.5	451.8	458.1	393.4	459.8	429.6	442.9	482.8	477.5
27.5°	760.1	747.7	657.3	551.0	458.9	489.1	463.4	506.8	551.9	575.8	578.5
30°	830.9	808.8	703.4	579.4	503.1	483.7	487.3	552.9	560.7	581.1	585.6
32.5°	1097.6	1079.1	896.6	595.4	504.1	462.3	512.1	540.4	625.4	669.8	673.2
35°	1172.9	1156.9	904.4	668.0	486.3	479.3	484.6	562.5	606.0	637.8	643.2
37.5°	1254.4	1227.0	919.5	627.2	500.5	446.6	468.6	511.2	586.5	641.4	655.5
40°	1369.6	1320.0	910.6	584.6	465.1	435.8	434.1	484.6	517.4	543.9	548.4
42.5°	1516.6	1431.7	916.0	544.8	433.2	405.8	412.8	435.8	447.4	449.2	449.2
45°	1697.4	1570.7	939.1	512.1	406.7	391.5	394.2	400.4	402.2	381.0	378.2
47.5°	1941.0	1749.7	958.5	486.3	387.1	381.9	373.8	377.4	370.3	342.0	338.3
50°	2229.8	1963.2	975.3	456.2	369.4	368.5	366.8	353.5	341.1	314.4	311.0
52.5°	2538.9	2215.7	984.2	423.5	355.2	358.0	359.7	337.5	319.8	299.5	297.6
55°	2942.9	2509.8	1005.5	393.4	338.3	343.7	353.5	331.3	314.4	301.2	309.2
57.5°	3341.5	2835.8	987.8	365.9	326.0	330.4	345.5	336.6	328.7	328.7	330.4
60°	3727.8	3118.4	877.9	343.7	314.4	319.8	351.7	367.6	366.8	383.6	388.0
62.5°	3987.4	3265.4	715.7	324.3	304.8	325.1	381.0	418.1	411.9	419.0	422.7
65°	4092.9	3256.6	545.8	310.1	298.5	348.2	414.6	450.9	427.9	411.9	408.4
67.5°	3981.2	3060.8	442.9	298.5	298.5	369.4	442.9	452.7	427.9	428.8	422.7
70°	3528.5	2604.5	381.0	287.1	302.9	365.9	457.1	450.0	428.8	443.8	435.0
72.5°	2647.9	1856.0	342.0	279.0	301.2	351.7	449.2	449.2	431.5	460.6	451.8
74°	2008.3	1344.8	325.1	276.4	292.4	344.6	446.6	444.6	424.4	450.0	441.2
75°	1582.2	1027.7	314.4	272.8	287.1	340.3	442.1	440.4	420.7	448.3	441.2
77.5°	808.8	536.9	289.6	266.7	273.7	334.0	430.6	431.5	406.7	432.3	426.9
80°	515.6	406.7	257.8	246.3	264.0	334.9	423.5	419.0	390.7	419.0	406.7
82.5°	411.1	335.8	209.1	213.5	251.7	329.5	419.0	398.7	370.3	412.8	370.3
85°	329.5	282.7	144.4	157.7	223.2	302.9	399.6	357.1	327.8	334.0	328.7
87.5°	278.2	228.6	68.2	102.8	174.5	232.0	296.7	276.4	254.2	264.9	253.4
90°	281.7	219.7	48.7	78.8	157.7	193.2	236.5	207.3	194.9	198.5	191.3
92.5°	273.7	210.0	49.6	65.5	154.2	211.8	249.8	211.8	187.0	179.8	173.6
95°	185.2	145.4	46.1	51.4	98.4	166.5	202.0	160.4	130.2	115.2	110.8
97.5°	70.9	63.8	39.9	42.5	51.4	88.6	116.9	102.8	70.0	50.5	47.8
100°	10.6	17.7	32.8	39.9	30.1	33.7	48.7	54.9	35.4	3.5	2.6
102.5°	11.5	9.8	13.3	30.1	17.7	7.1	15.1	30.1	19.4	1.7	1.7
105°	13.3	10.6	5.4	13.3	4.5	0.9	0.9	6.2	4.5	0.9	1.7
107.5°	11.5	9.8	3.5	2.6	0.9	0.9	0.0	0.0	0.0	0.9	1.7



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)