

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: P254576

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T3-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254576  
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-AF24-70-D-U-T3-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA 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: 6880 lumens  
Efficiency: N/A  
Efficacy: 93.0 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): 74  
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

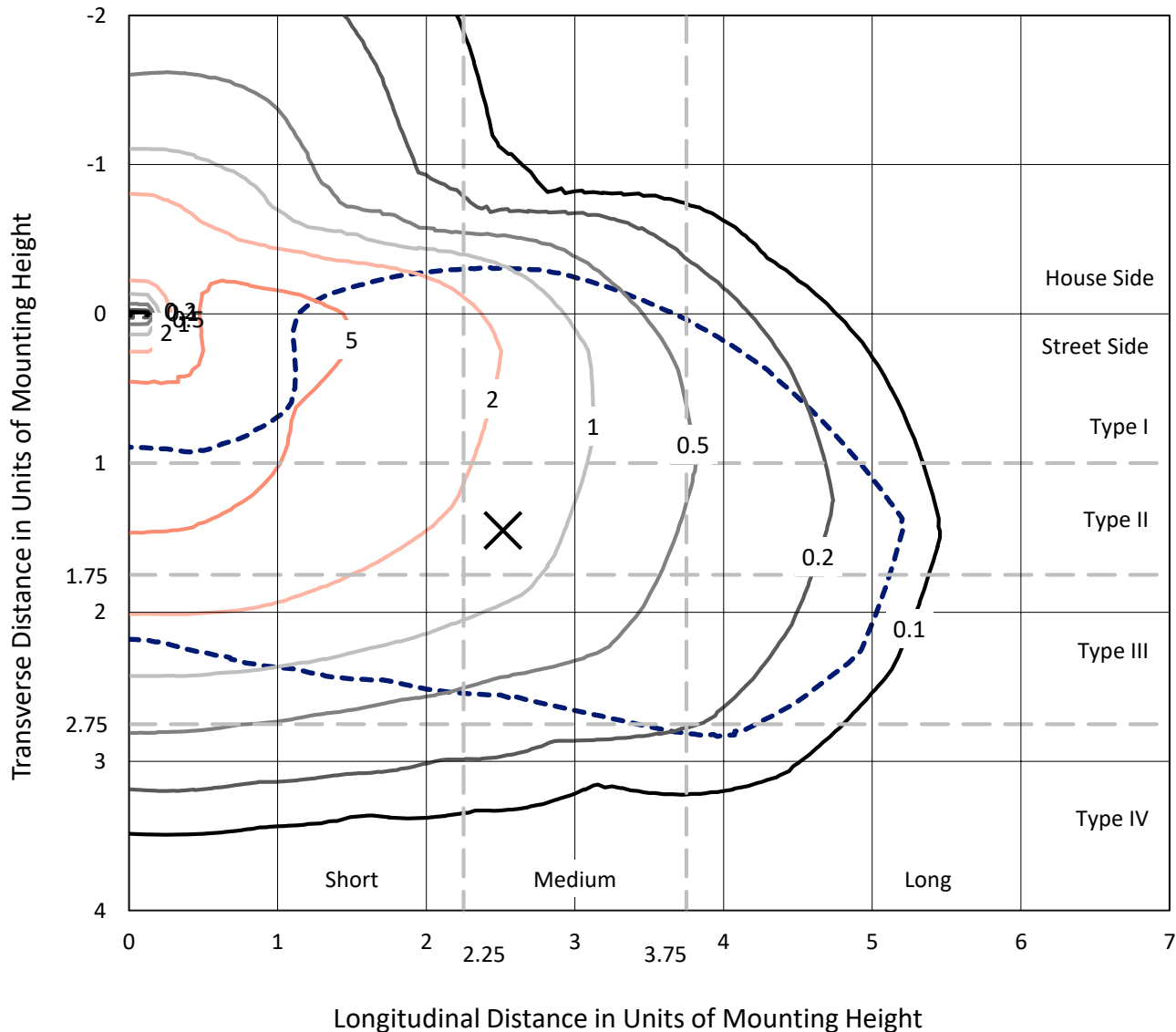


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

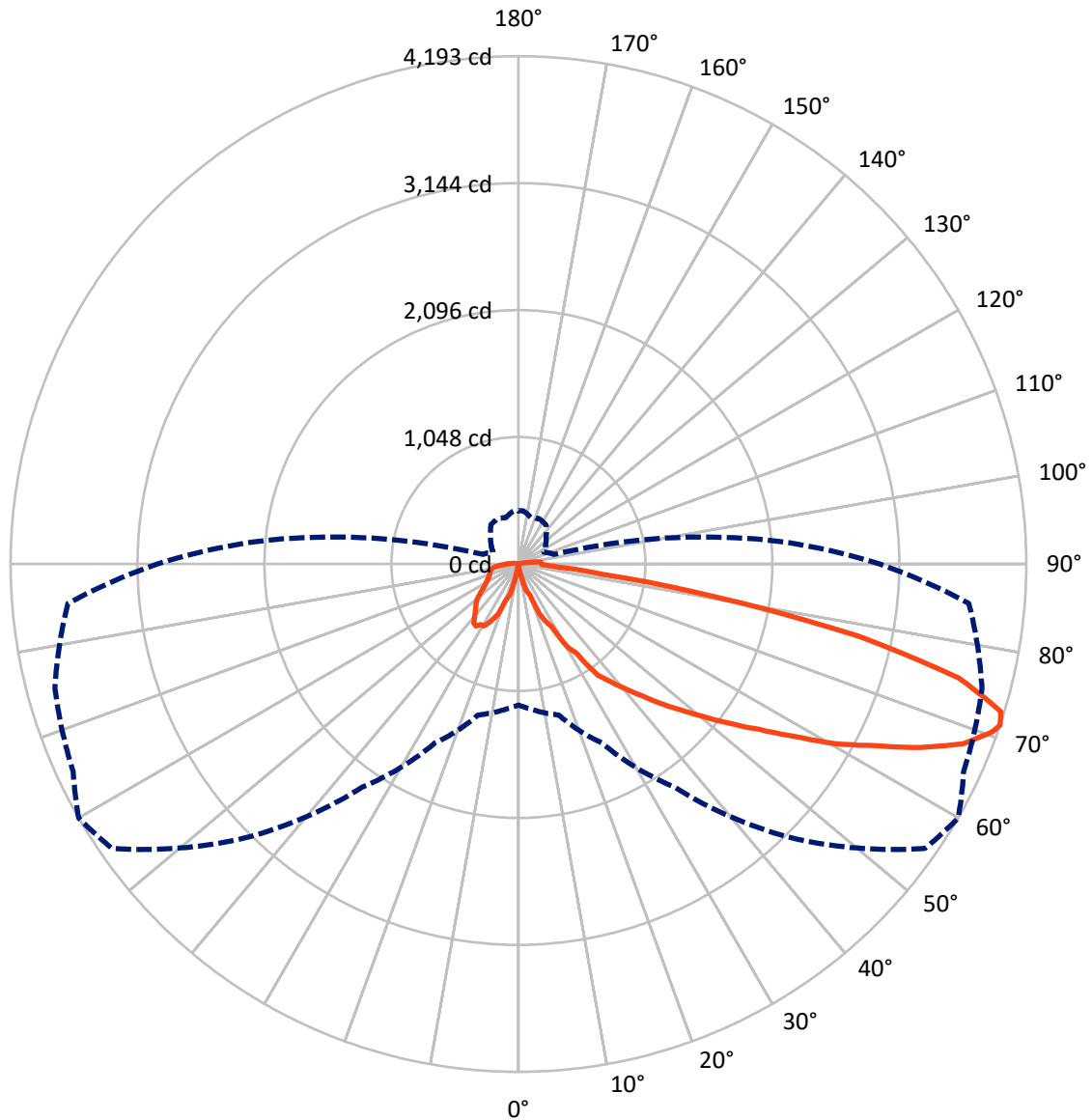


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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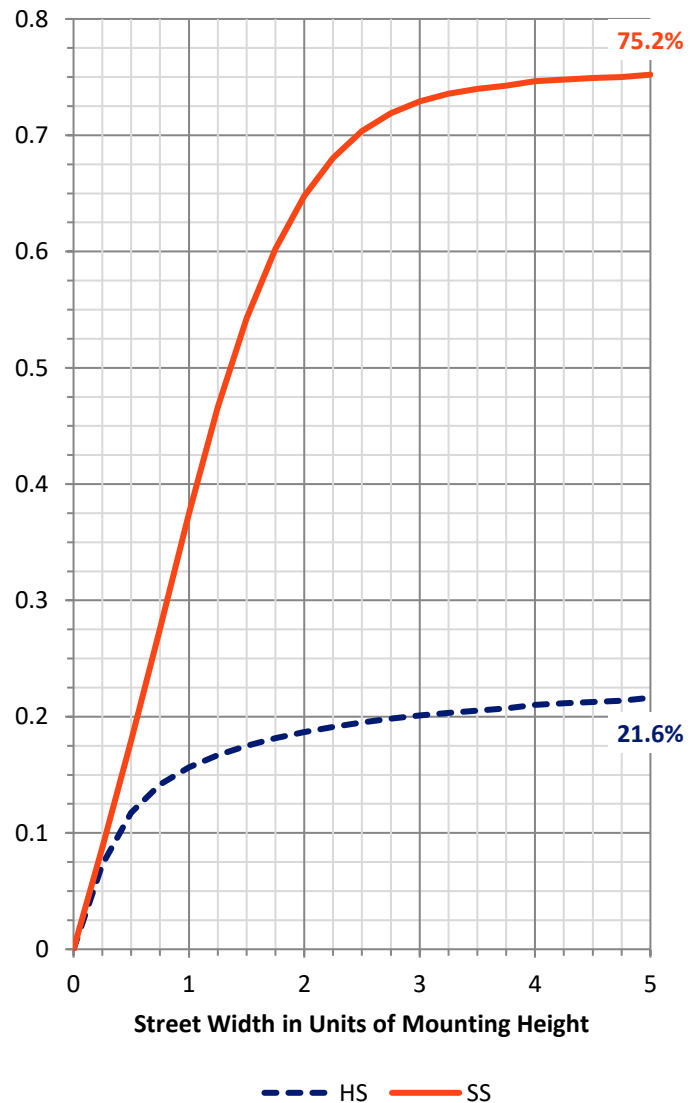
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1563.0	50.7	1613.7
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	5216.9	49.4	5266.4
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	6779.9	100.2	6880.0
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	61.8	0.9
20°-30°	253.7	3.7
30°-40°	570.5	8.3
40°-50°	990.3	14.4
50°-60°	1500.5	21.8
60°-70°	1849.2	26.9
70°-80°	1260.3	18.3
80°-90°	290.0	4.2
90°-100°	88.6	1.3
100°-110°	8.3	0.1
110°-120°	1.4	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6779.9	98.5
0°-180°	6880.0	100.0



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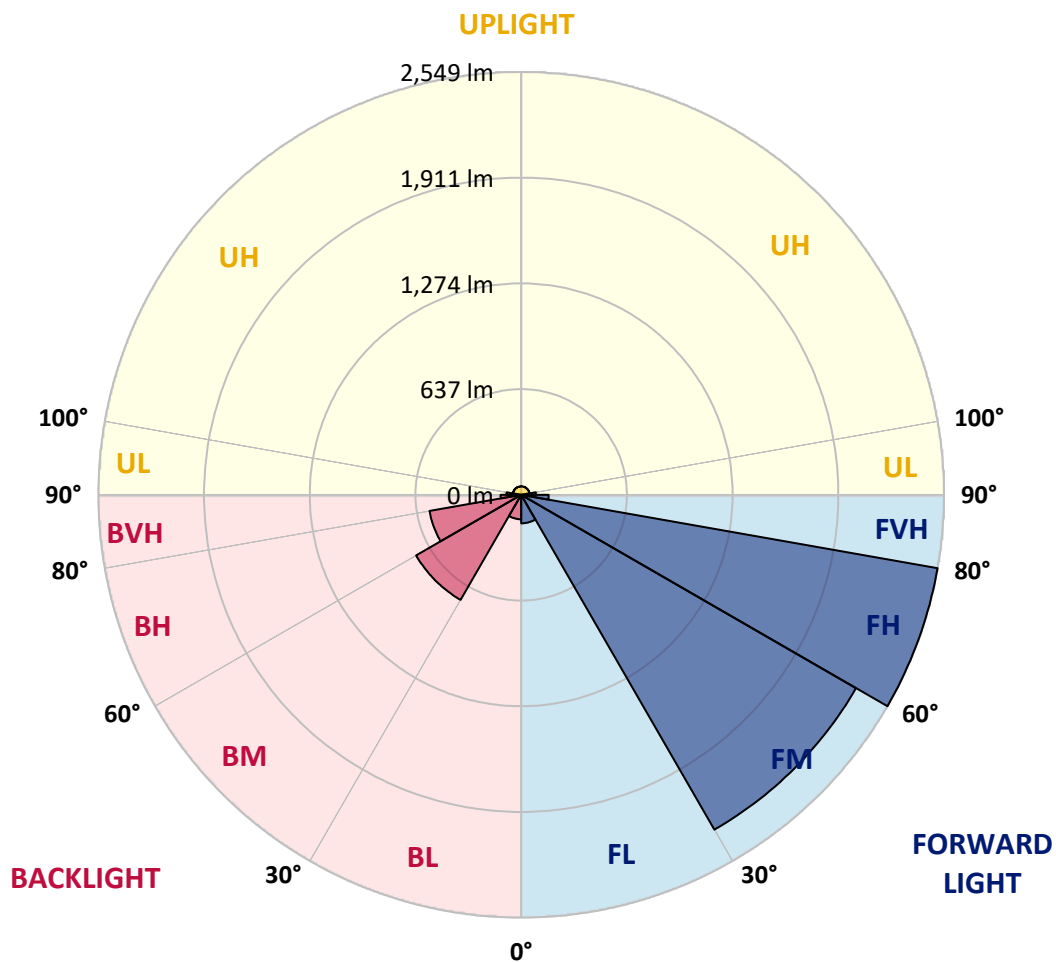
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.9	2.5			
FM	(30°-60°)	2330.3	33.9			
FH	(60°-80°)	2548.5	37.0			G2/5000
FVH	(80°-90°)	166.3	2.4			G2/225
BL	(0°-30°)	147.3	2.1	B1/500		
BM	(30°-60°)	730.9	10.6	B1/1000		
BH	(60°-80°)	560.9	8.2	B2/1000		G2/1000
BVH	(80°-90°)	123.8	1.8			G2/225
UL	(90°-100°)	88.6	1.3		U3/500	
UH	(100°-180°)	50.7	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	4.1	4.9	3.3	4.1	4.1	3.3	2.4	2.4	3.3	3.3	2.4
5°	73.8	74.6	77.8	80.2	27.6	19.4	7.3	4.9	4.1	3.3	3.3
7.5°	93.2	91.6	89.9	85.1	87.5	81.8	48.6	20.2	9.8	4.1	3.3
10°	107.8	107.8	100.5	94.8	94.0	92.5	87.5	80.2	38.1	8.0	5.7
12.5°	197.0	191.3	182.4	149.9	114.2	102.9	100.5	102.9	84.2	83.5	111.9
15°	225.3	226.9	222.2	209.9	203.4	131.3	172.6	214.8	215.6	172.6	194.5
17.5°	292.6	290.9	265.8	242.3	235.9	251.3	252.1	241.6	242.3	215.6	229.3
20°	435.2	439.3	418.3	354.2	287.0	331.5	321.8	279.6	285.2	406.9	419.8
22.5°	510.6	518.7	493.7	466.9	462.8	367.9	415.7	444.1	431.1	479.7	483.0
25°	757.8	735.9	641.2	548.7	560.8	490.3	538.1	523.6	500.9	536.6	620.8
27.5°	825.0	830.7	806.5	759.5	643.5	669.4	610.3	585.9	675.1	752.9	775.6
30°	978.2	978.2	891.5	873.6	822.6	748.1	798.3	791.0	806.5	818.6	860.8
32.5°	1188.2	1174.4	1135.4	1001.0	945.0	855.8	920.7	876.1	902.9	1069.0	1139.6
35°	1404.5	1403.8	1270.8	1172.0	1057.6	1043.9	1013.1	1128.2	1159.8	1167.1	1236.9
37.5°	1680.1	1682.6	1610.4	1320.3	1202.7	1139.6	1220.5	1227.8	1265.1	1329.1	1351.1
40°	1897.3	1884.4	1792.0	1575.5	1384.4	1294.2	1364.8	1352.6	1416.6	1467.8	1499.4
42.5°	2168.8	2160.7	2033.6	1783.0	1635.5	1492.1	1511.5	1479.9	1526.2	1653.4	1666.3
45°	2424.1	2408.7	2291.1	2023.8	1869.0	1710.9	1668.7	1639.6	1650.2	1794.4	1843.9
47.5°	2595.1	2577.3	2532.7	2270.2	2148.6	1941.9	1855.2	1796.8	1809.8	1971.0	2053.0
50°	2809.0	2749.9	2710.1	2475.2	2388.5	2221.5	2037.5	1980.8	2010.0	2157.5	2284.7
52.5°	2923.3	2843.2	2843.9	2676.2	2594.4	2476.1	2241.0	2185.8	2224.7	2365.8	2550.5
55°	2837.5	2829.4	2899.8	2804.2	2758.0	2655.9	2460.6	2410.4	2474.4	2638.9	2843.2
57.5°	2715.1	2727.2	2872.3	2917.7	2917.7	2835.9	2704.6	2683.5	2752.3	2919.3	3124.4
60°	2574.9	2604.8	2790.5	2920.9	3017.4	3012.5	2967.9	3011.7	3032.0	3190.8	3467.3
62.5°	2369.1	2382.8	2600.1	2864.2	3022.2	3177.0	3245.1	3301.0	3378.1	3508.6	3760.6
65°	2133.2	2150.2	2367.4	2711.9	2995.6	3284.9	3516.6	3652.0	3675.5	3780.1	3972.1
67.5°	1828.5	1847.0	2036.7	2425.8	2890.1	3372.4	3793.1	3958.4	3918.7	3904.1	4022.4
70°	1416.6	1415.9	1549.7	1907.0	2505.2	3338.3	4037.0	4149.6	4046.8	3966.4	3883.0
71°	1163.8	1203.6	1291.1	1629.0	2248.2	3199.7	4095.4	4192.6	4055.6	3961.6	3733.1
72.5°	741.6	787.8	862.4	1162.2	1794.4	2841.5	4044.2	4164.2	4026.4	3902.4	3431.5
75°	292.6	303.0	358.3	538.1	973.4	1913.5	3570.9	3753.3	3699.0	3587.2	2750.7
77.5°	176.7	182.4	203.4	269.1	446.6	885.0	2608.1	2873.1	2968.8	2916.9	1893.3
80°	133.0	138.5	157.3	189.7	298.3	367.9	1377.8	1650.9	1886.8	1884.4	1062.5
82.5°	101.3	104.6	122.4	133.8	222.2	254.5	519.5	702.6	914.2	914.2	526.8
85°	94.0	94.0	99.7	89.9	147.5	182.4	308.7	337.9	357.4	379.3	307.1
87.5°	37.2	36.5	47.8	46.2	64.8	119.9	195.3	204.2	191.3	231.8	265.1
90°	25.1	25.9	20.2	20.2	35.6	110.3	178.3	187.3	175.9	209.1	272.3
92.5°	24.4	25.1	18.7	18.7	26.8	91.6	186.4	189.7	180.8	215.6	277.2
95°	21.9	22.7	15.4	15.4	21.1	55.9	173.4	178.3	154.8	174.3	222.2
97.5°	17.1	17.8	10.5	11.4	16.2	21.1	103.7	111.0	86.8	81.8	96.4
100°	11.4	12.1	6.4	8.0	9.8	9.8	39.7	42.9	38.9	21.1	12.1
102.5°	10.5	11.4	4.9	4.9	4.9	3.3	8.0	13.0	7.3	9.0	10.5
105°	9.8	11.4	3.3	2.4	1.6	1.6	2.4	3.3	4.1	5.7	11.4
107.5°	6.4	7.3	1.6	1.6	0.8	1.6	1.6	1.6	2.4	4.1	10.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.3	3.3	0.8	0.8	0.0	0.8	0.8	1.6	2.4	3.3	4.9
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4	4.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	4.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	4.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.1
125°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.1
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.3
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
140°	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
142.5°	1.6	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	1.6	1.6
145°	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	1.6	1.6	1.6
147.5°	2.4	2.4	0.8	0.0	0.0	0.0	0.8	0.8	1.6	1.6	2.4
150°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
5°	2.4	2.4	2.4	2.4	2.4	1.6	3.3	4.9	5.7	6.4	6.4
7.5°	3.3	3.3	3.3	3.3	3.3	6.4	40.5	89.9	102.9	110.3	107.8
10°	5.7	5.7	4.9	5.7	20.2	100.5	122.4	131.3	133.0	138.5	143.4
12.5°	119.9	102.9	48.6	27.6	103.7	130.4	141.1	148.3	156.5	194.5	174.3
15°	198.6	202.5	198.6	218.8	244.7	147.5	175.1	267.4	290.2	296.6	295.0
17.5°	235.0	230.2	230.2	280.5	290.2	288.6	278.8	298.3	304.0	313.7	310.4
20°	437.7	439.3	412.6	325.8	309.6	388.2	312.1	311.2	371.2	426.3	428.0
22.5°	488.0	492.0	479.0	483.0	405.3	401.2	391.4	411.0	434.5	444.9	441.7
25°	662.1	616.8	534.1	497.6	491.1	410.0	461.9	423.9	427.1	432.7	436.8
27.5°	802.4	796.7	743.2	607.1	491.1	497.6	444.9	437.7	486.3	491.1	492.0
30°	868.8	854.2	794.4	638.6	538.9	476.6	433.6	467.6	460.3	465.2	465.2
32.5°	1158.1	1151.7	1019.6	655.7	521.9	440.9	444.1	443.4	485.4	499.2	496.0
35°	1235.9	1223.8	1028.4	744.8	495.2	444.9	418.3	449.8	449.8	455.5	453.9
37.5°	1332.4	1312.2	1043.1	713.3	511.5	418.3	409.2	418.3	440.9	447.4	443.4
40°	1465.3	1419.2	1031.0	660.6	477.4	414.2	393.9	410.0	408.5	400.3	396.3
42.5°	1603.9	1548.9	1031.7	612.0	450.5	408.5	389.1	385.8	380.9	367.9	365.5
45°	1783.8	1675.3	1043.9	577.9	428.0	405.3	384.1	369.7	362.3	349.3	346.9
47.5°	1988.9	1810.7	1039.8	550.3	405.3	395.5	369.7	355.7	351.7	333.9	331.5
50°	2195.6	1941.9	1043.1	513.1	379.3	385.0	365.5	346.1	338.8	318.5	317.7
52.5°	2437.1	2078.8	1022.0	459.6	349.3	371.2	367.9	348.5	348.5	318.5	316.1
55°	2676.2	2246.6	1004.2	402.8	329.1	359.9	372.8	365.5	364.0	322.6	320.1
57.5°	2912.1	2390.9	946.6	353.4	316.1	350.1	384.1	376.8	372.0	338.8	331.5
60°	3166.6	2579.7	838.0	314.4	308.7	342.0	387.5	386.6	359.0	355.7	351.7
62.5°	3357.7	2689.2	697.8	288.6	298.3	339.6	385.8	385.8	362.3	361.4	359.9
65°	3448.6	2703.0	527.6	268.2	287.7	335.5	380.1	395.5	376.8	379.3	376.1
67.5°	3402.4	2598.4	397.1	250.4	277.9	332.2	380.9	406.9	389.8	414.9	411.0
70°	3158.4	2329.3	326.5	238.3	274.8	326.5	392.2	410.0	398.8	439.3	434.5
71°	2980.9	2155.9	304.8	231.0	274.8	323.4	394.8	411.0	397.1	441.7	437.7
72.5°	2680.2	1850.3	281.3	220.4	273.1	321.8	394.8	410.0	402.0	452.3	444.9
75°	2019.6	1270.0	252.1	214.8	271.5	316.9	386.6	402.8	395.5	433.6	432.0
77.5°	1294.2	742.4	225.3	213.9	265.1	314.4	376.1	388.2	375.2	407.6	406.0
80°	712.4	426.3	200.2	200.2	252.1	308.7	359.9	362.3	349.3	374.4	364.0
82.5°	423.1	302.3	166.2	175.9	233.4	293.4	342.0	330.7	316.9	363.1	308.7
85°	285.2	235.0	114.2	135.4	209.9	254.5	304.8	287.0	263.5	265.1	252.8
87.5°	236.6	187.3	60.0	88.4	162.9	186.4	226.1	208.2	184.0	180.8	170.2
90°	235.0	182.4	47.8	79.4	130.4	144.2	175.1	158.0	144.2	149.9	141.8
92.5°	236.6	180.8	49.3	68.1	107.0	108.6	143.4	137.0	124.8	127.3	119.1
95°	189.7	141.8	47.8	54.3	60.7	57.6	88.4	88.4	76.2	72.1	67.3
97.5°	79.4	70.5	44.6	43.8	42.9	31.5	51.1	58.4	39.7	26.8	23.5
100°	12.1	20.2	37.2	41.3	29.9	18.7	32.4	37.2	21.1	4.1	3.3
102.5°	12.1	10.5	15.4	30.8	17.8	4.9	13.0	21.1	10.5	2.4	3.3
105°	13.0	10.5	6.4	16.2	4.1	1.6	0.8	5.7	1.6	2.4	2.4
107.5°	12.1	9.8	4.1	3.3	2.4	0.8	0.0	0.0	0.0	2.4	3.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.4	5.7	4.1	2.4	1.6	0.8	0.0	0.0	0.0	2.4	3.3
112.5°	4.1	4.9	3.3	2.4	0.8	0.8	0.0	0.0	0.0	3.3	4.1
115°	4.9	4.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	3.3	4.1
117.5°	4.9	4.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	3.3	4.1
120°	4.9	4.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	3.3	4.1
122.5°	4.9	4.9	3.3	1.6	0.8	0.0	0.0	0.0	0.0	2.4	3.3
125°	4.1	4.1	3.3	1.6	0.0	0.0	0.0	0.0	0.0	2.4	3.3
127.5°	4.1	4.1	2.4	1.6	0.0	0.0	0.0	0.0	0.0	1.6	2.4
130°	4.1	4.1	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6
132.5°	3.3	3.3	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.4	2.4	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.4	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)