

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: P254586

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254586  
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  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 7954.4 lumens  
Efficiency: N/A  
Efficacy: 95.8 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

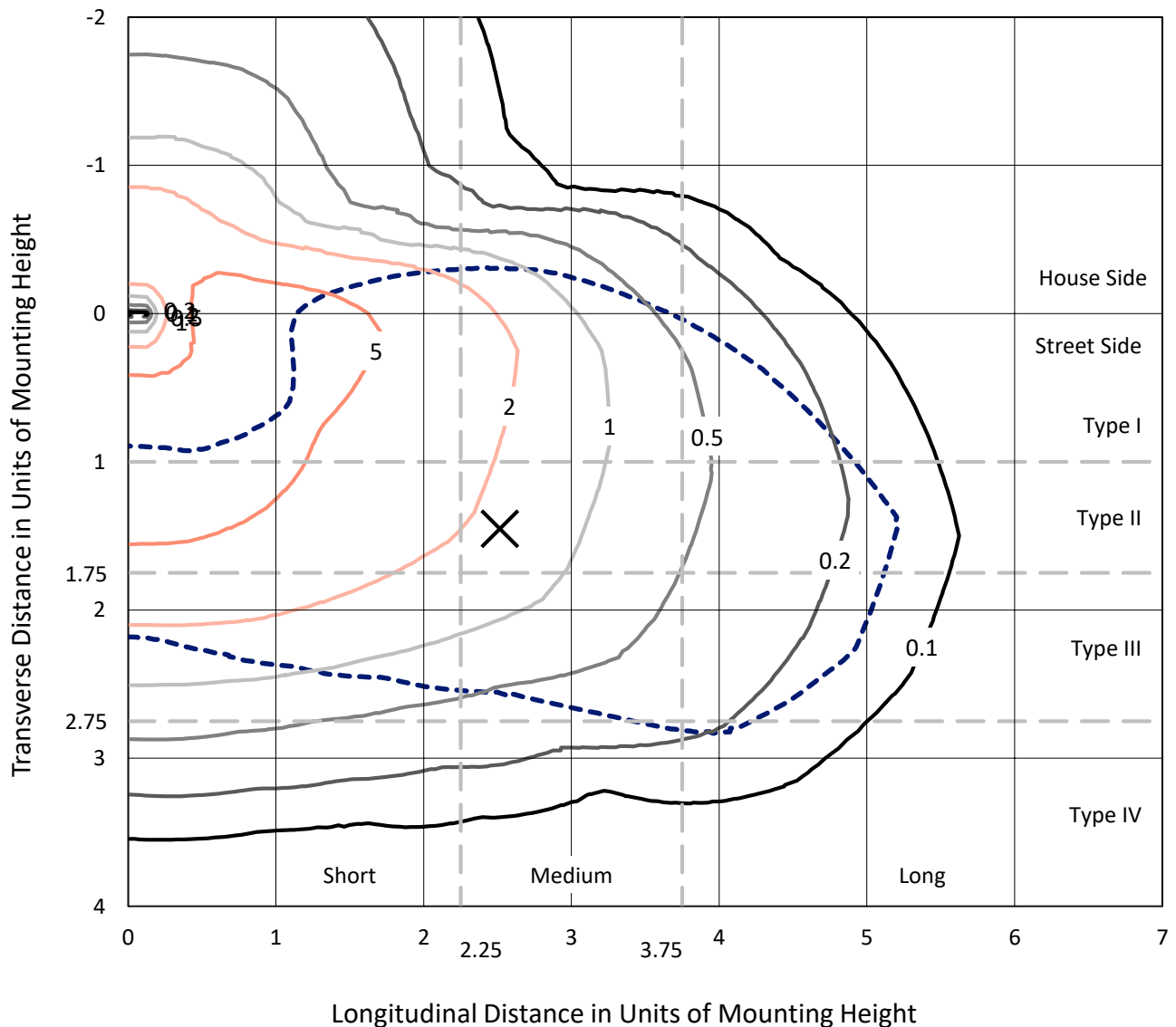
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

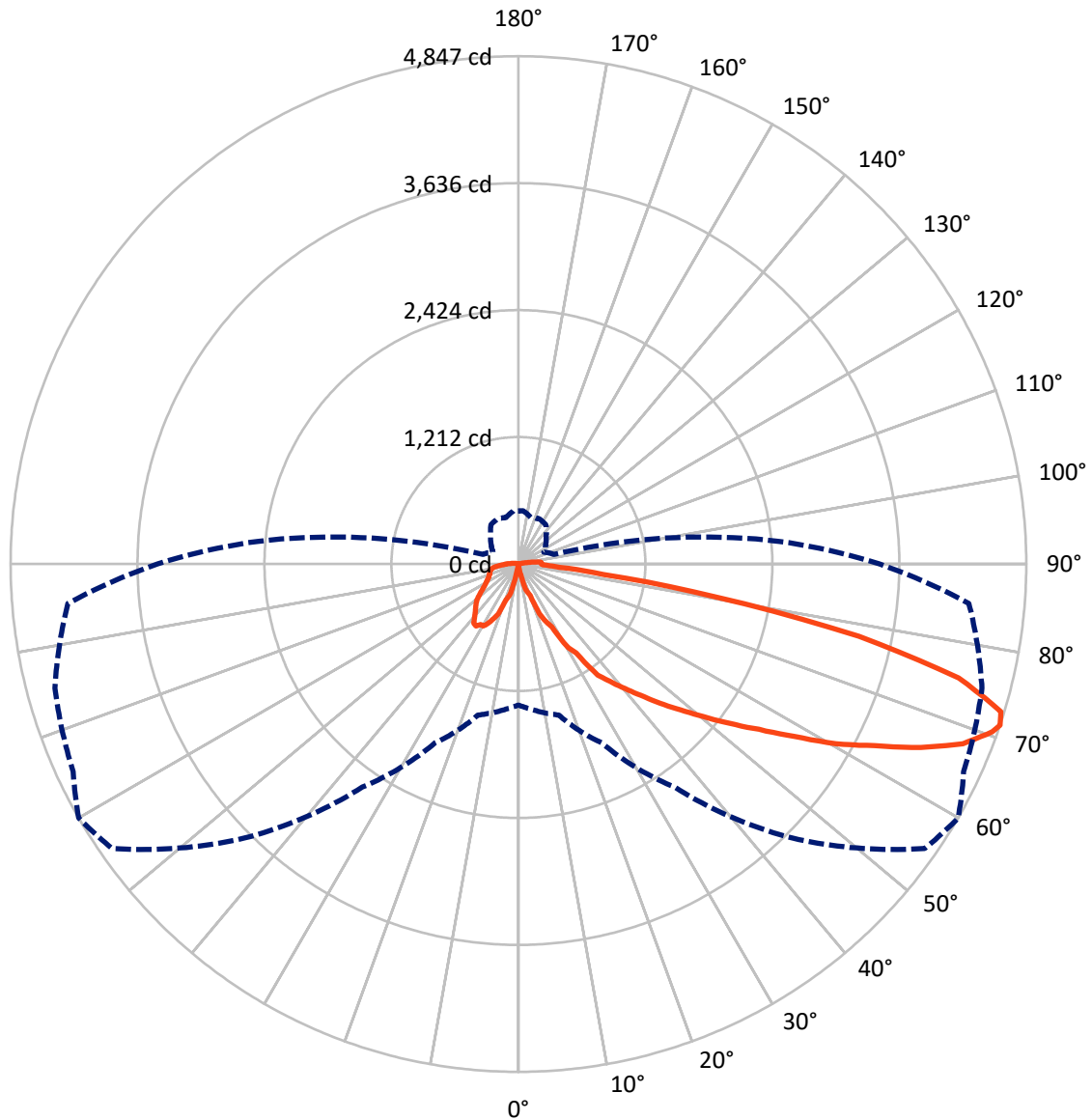


Based on 10 foot mounting height. Maximum calculated value = 10 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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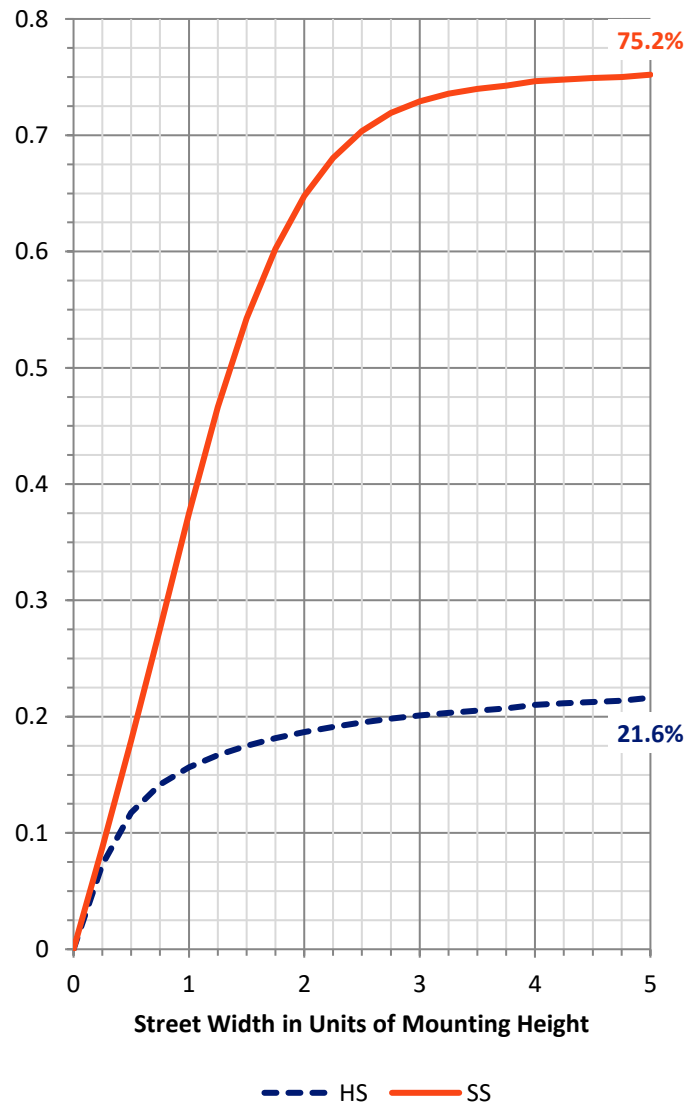
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1807.0	58.6	1865.7
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	6031.6	57.1	6088.7
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	7838.6	115.7	7954.4
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	71.5	0.9
20°-30°	293.3	3.7
30°-40°	659.5	8.3
40°-50°	1144.9	14.4
50°-60°	1734.8	21.8
60°-70°	2137.9	26.9
70°-80°	1457.1	18.3
80°-90°	335.3	4.2
90°-100°	102.4	1.3
100°-110°	9.6	0.1
110°-120°	1.5	0.0
120°-130°	1.0	0.0
130°-140°	0.5	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°	7838.6	98.5
0°-180°	7954.4	100.0



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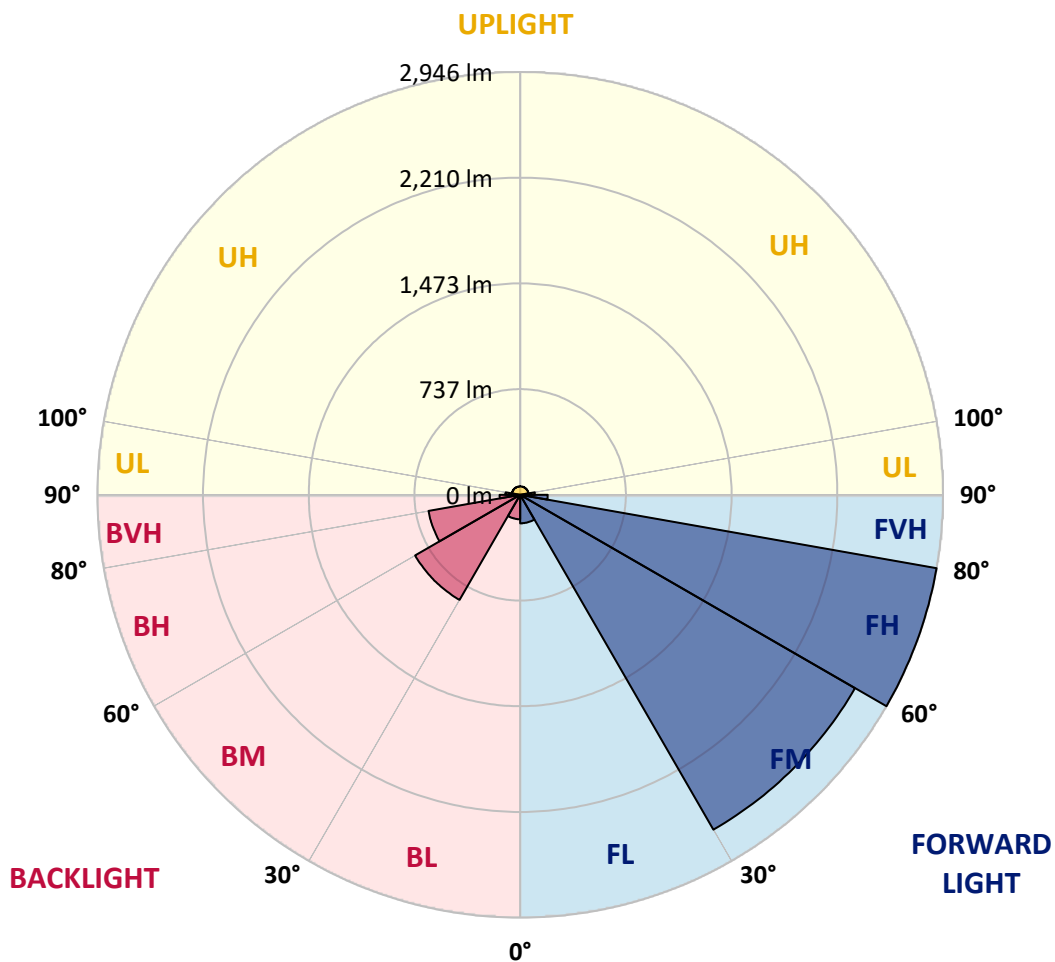
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.7	2.5			
FM	(30°-60°)	2694.2	33.9			
FH	(60°-80°)	2946.5	37.0			G2/5000
FVH	(80°-90°)	192.2	2.4			G2/225
BL	(0°-30°)	170.3	2.1	B1/500		
BM	(30°-60°)	845.1	10.6	B1/1000		
BH	(60°-80°)	648.5	8.2	B2/1000		G2/1000
BVH	(80°-90°)	143.1	1.8			G2/225
UL	(90°-100°)	102.4	1.3		U3/500	
UH	(100°-180°)	58.6	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	4.7	5.6	3.8	4.7	4.7	3.8	2.8	2.8	3.8	3.8	2.8
5°	85.3	86.2	89.9	92.8	31.8	22.5	8.4	5.6	4.7	3.8	3.8
7.5°	107.7	105.9	104.0	98.4	101.2	94.6	56.3	23.4	11.3	4.7	3.8
10°	124.6	124.6	116.2	109.7	108.7	106.8	101.2	92.8	44.1	9.4	6.5
12.5°	227.7	221.2	210.8	173.4	132.2	119.0	116.2	119.0	97.5	96.5	129.3
15°	260.5	262.4	256.8	242.6	235.2	151.8	199.6	248.3	249.3	199.6	224.8
17.5°	338.3	336.4	307.4	280.2	272.7	290.5	291.4	279.3	280.2	249.3	265.1
20°	503.2	507.9	483.5	409.5	331.7	383.3	372.0	323.3	329.8	470.4	485.4
22.5°	590.3	599.8	570.7	539.7	535.0	425.4	480.7	513.5	498.5	554.7	558.4
25°	876.2	850.8	741.2	634.3	648.4	566.9	622.2	605.3	579.1	620.3	717.8
27.5°	953.9	960.4	932.3	878.0	744.0	774.0	705.6	677.5	780.5	870.5	896.7
30°	1131.0	1131.0	1030.7	1010.2	951.1	864.9	923.0	914.5	932.3	946.4	995.1
32.5°	1373.7	1357.8	1312.8	1157.3	1092.6	989.5	1064.5	1012.9	1043.8	1235.9	1317.5
35°	1623.9	1622.9	1469.3	1355.0	1222.8	1206.9	1171.3	1304.4	1340.9	1349.4	1429.9
37.5°	1942.5	1945.3	1861.9	1526.4	1390.6	1317.5	1411.2	1419.7	1462.7	1536.8	1562.0
40°	2193.6	2178.6	2071.8	1821.6	1600.5	1496.5	1578.0	1563.9	1637.9	1697.0	1733.5
42.5°	2507.6	2498.1	2351.0	2061.5	1890.9	1725.1	1747.6	1711.0	1764.5	1911.6	1926.5
45°	2802.7	2784.9	2649.0	2339.8	2160.8	1978.1	1929.4	1895.6	1907.8	2074.6	2131.7
47.5°	3000.4	2979.8	2928.3	2624.7	2484.1	2245.2	2144.9	2077.4	2092.4	2278.9	2373.6
50°	3247.8	3179.3	3133.5	2861.7	2761.5	2568.4	2355.8	2290.1	2323.8	2494.4	2641.6
52.5°	3379.9	3287.2	3288.1	3094.1	2999.5	2862.6	2590.9	2527.2	2572.2	2735.3	2948.9
55°	3280.6	3271.2	3352.7	3242.1	3188.7	3070.7	2844.8	2786.7	2860.8	3051.1	3287.2
57.5°	3139.1	3153.1	3320.9	3373.4	3373.4	3278.7	3126.9	3102.5	3182.2	3375.2	3612.2
60°	2977.0	3011.7	3226.2	3377.1	3488.6	3482.9	3431.5	3482.0	3505.4	3689.2	4008.6
62.5°	2739.0	2754.9	3006.0	3311.5	3494.2	3673.2	3751.9	3816.5	3905.6	4056.4	4347.8
65°	2466.3	2486.0	2737.1	3135.3	3463.3	3797.8	4065.8	4222.3	4249.4	4370.4	4592.4
67.5°	2113.9	2135.5	2354.8	2804.5	3341.5	3899.0	4385.4	4576.5	4530.5	4513.8	4650.5
70°	1637.9	1637.0	1791.6	2204.9	2896.4	3859.7	4667.4	4797.6	4678.7	4585.9	4489.3
71°	1345.6	1391.5	1492.7	1883.5	2599.3	3699.4	4734.8	4847.4	4689.0	4580.3	4316.0
72.5°	857.4	910.8	997.0	1343.7	2074.6	3285.3	4675.8	4814.5	4655.2	4511.8	3967.4
75°	338.3	350.5	414.2	622.2	1125.3	2212.3	4128.6	4339.5	4276.7	4147.3	3180.4
77.5°	204.3	210.8	235.2	311.1	516.3	1023.3	3015.4	3321.8	3432.4	3372.4	2188.9
80°	153.6	160.2	181.8	219.2	344.8	425.4	1592.9	1908.7	2181.4	2178.6	1228.5
82.5°	117.1	120.9	141.5	154.6	256.8	294.2	600.7	812.4	1057.0	1057.0	609.1
85°	108.7	108.7	115.3	104.0	170.5	210.8	357.0	390.8	413.3	438.5	355.2
87.5°	43.1	42.1	55.2	53.4	75.0	138.7	225.9	236.1	221.2	268.0	306.4
90°	29.1	30.0	23.4	23.4	41.2	127.5	206.1	216.5	203.4	241.7	314.9
92.5°	28.1	29.1	21.6	21.6	30.9	105.9	215.5	219.2	209.0	249.3	320.5
95°	25.3	26.2	17.8	17.8	24.3	64.7	200.5	206.1	179.0	201.4	256.8
97.5°	19.6	20.7	12.2	13.1	18.7	24.3	120.0	128.4	100.2	94.6	111.5
100°	13.1	14.0	7.5	9.4	11.3	11.3	45.9	49.6	45.0	24.3	14.0
102.5°	12.2	13.1	5.6	5.6	5.6	3.8	9.4	15.0	8.4	10.3	12.2
105°	11.3	13.1	3.8	2.8	1.8	1.8	2.8	3.8	4.7	6.5	13.1
107.5°	7.5	8.4	1.8	1.8	0.9	1.8	1.8	1.8	2.8	4.7	12.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	3.8	3.8	0.9	0.9	0.0	0.9	0.9	1.8	2.8	3.8	5.6
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	2.8	4.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.8	4.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	2.8	4.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	2.8	4.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8	4.7
125°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	4.7
127.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	3.8
130°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.8
132.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
140°	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.8
142.5°	1.8	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	1.8	1.8
145°	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	1.8	1.8	1.8
147.5°	2.8	2.8	0.9	0.0	0.0	0.0	0.9	0.9	1.8	1.8	2.8
150°	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.9	1.8	1.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.8	2.8	2.8	2.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
5°	2.8	2.8	2.8	2.8	2.8	1.8	3.8	5.6	6.5	7.5	7.5
7.5°	3.8	3.8	3.8	3.8	3.8	7.5	46.9	104.0	119.0	127.5	124.6
10°	6.5	6.5	5.6	6.5	23.4	116.2	141.5	151.8	153.6	160.2	165.8
12.5°	138.7	119.0	56.3	31.8	120.0	150.9	163.1	171.4	180.9	224.8	201.4
15°	229.6	234.3	229.6	253.0	282.9	170.5	202.4	309.2	335.4	343.0	341.1
17.5°	271.7	266.1	266.1	324.2	335.4	333.6	322.3	344.8	351.4	362.6	358.9
20°	506.0	507.9	477.0	376.7	357.9	448.9	360.8	359.9	429.1	492.9	494.8
22.5°	564.1	568.8	553.8	558.4	468.5	463.8	452.6	475.1	502.3	514.4	510.7
25°	765.6	713.1	617.6	575.3	567.8	474.1	534.1	490.1	493.8	500.4	505.0
27.5°	927.7	921.1	859.3	701.8	567.8	575.3	514.4	506.0	562.2	567.8	568.8
30°	1004.5	987.7	918.3	738.4	623.2	551.0	501.3	540.6	532.2	537.9	537.9
32.5°	1339.0	1331.6	1178.7	758.1	603.4	509.7	513.5	512.6	561.3	577.3	573.5
35°	1429.0	1414.9	1189.1	861.1	572.5	514.4	483.5	520.1	520.1	526.6	524.8
37.5°	1540.5	1517.0	1206.0	824.6	591.3	483.5	473.2	483.5	509.7	517.2	512.6
40°	1694.2	1640.7	1191.9	763.7	551.9	478.8	455.4	474.1	472.3	462.9	458.2
42.5°	1854.4	1790.7	1192.9	707.5	521.0	472.3	449.8	446.0	440.4	425.4	422.6
45°	2062.5	1936.9	1206.9	668.1	494.8	468.5	444.2	427.3	418.9	403.9	401.1
47.5°	2299.5	2093.4	1202.3	636.3	468.5	457.3	427.3	411.3	406.7	386.1	383.3
50°	2538.5	2245.2	1206.0	593.1	438.5	445.1	422.6	400.1	391.7	368.3	367.3
52.5°	2817.7	2403.5	1181.6	531.3	403.9	429.1	425.4	402.9	402.9	368.3	365.4
55°	3094.1	2597.5	1160.9	465.7	380.4	416.0	431.1	422.6	420.7	373.0	370.1
57.5°	3366.8	2764.3	1094.5	408.6	365.4	404.8	444.2	435.7	430.2	391.7	383.3
60°	3661.0	2982.6	968.9	363.6	357.0	395.5	448.0	446.9	415.1	411.3	406.7
62.5°	3882.2	3109.1	806.8	333.6	344.8	392.6	446.0	446.0	418.9	417.9	416.0
65°	3987.2	3125.0	610.0	310.2	332.7	387.9	439.5	457.3	435.7	438.5	434.8
67.5°	3933.7	3004.2	459.1	289.5	321.4	384.2	440.4	470.4	450.7	479.8	475.1
70°	3651.6	2693.0	377.7	275.5	317.6	377.7	453.6	474.1	461.0	507.9	502.3
71°	3446.4	2492.5	352.3	267.1	317.6	373.9	456.3	475.1	459.1	510.7	506.0
72.5°	3098.8	2139.3	325.2	254.9	315.8	372.0	456.3	474.1	464.7	522.8	514.4
75°	2335.1	1468.3	291.4	248.3	313.9	366.4	446.9	465.7	457.3	501.3	499.4
77.5°	1496.5	858.4	260.5	247.3	306.4	363.6	434.8	448.9	433.8	471.4	469.4
80°	823.7	492.9	231.5	231.5	291.4	357.0	416.0	418.9	403.9	432.9	420.7
82.5°	489.2	349.5	192.1	203.4	269.9	339.2	395.5	382.3	366.4	419.8	357.0
85°	329.8	271.7	132.2	156.5	242.6	294.2	352.3	331.7	304.5	306.4	292.4
87.5°	273.6	216.5	69.4	102.1	188.3	215.5	261.5	240.8	212.7	209.0	196.8
90°	271.7	210.8	55.2	91.9	150.9	166.8	202.4	182.7	166.8	173.4	164.0
92.5°	273.6	209.0	57.2	78.7	123.7	125.5	165.8	158.4	144.3	147.1	137.8
95°	219.2	164.0	55.2	62.8	70.3	66.5	102.1	102.1	88.1	83.4	77.7
97.5°	91.9	81.5	51.6	50.6	49.6	36.5	59.0	67.5	45.9	30.9	27.2
100°	14.0	23.4	43.1	47.8	34.7	21.6	37.4	43.1	24.3	4.7	3.8
102.5°	14.0	12.2	17.8	35.6	20.7	5.6	15.0	24.3	12.2	2.8	3.8
105°	15.0	12.2	7.5	18.7	4.7	1.8	0.9	6.5	1.8	2.8	2.8
107.5°	14.0	11.3	4.7	3.8	2.8	0.9	0.0	0.0	0.0	2.8	3.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.5	6.5	4.7	2.8	1.8	0.9	0.0	0.0	0.0	2.8	3.8
112.5°	4.7	5.6	3.8	2.8	0.9	0.9	0.0	0.0	0.0	3.8	4.7
115°	5.6	5.6	3.8	1.8	0.9	0.0	0.0	0.0	0.0	3.8	4.7
117.5°	5.6	5.6	3.8	1.8	0.9	0.0	0.0	0.0	0.0	3.8	4.7
120°	5.6	5.6	3.8	1.8	0.9	0.0	0.0	0.0	0.0	3.8	4.7
122.5°	5.6	5.6	3.8	1.8	0.9	0.0	0.0	0.0	0.0	2.8	3.8
125°	4.7	4.7	3.8	1.8	0.0	0.0	0.0	0.0	0.0	2.8	3.8
127.5°	4.7	4.7	2.8	1.8	0.0	0.0	0.0	0.0	0.0	1.8	2.8
130°	4.7	4.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.8
132.5°	3.8	3.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.8	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)