

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: P417367

Luminaire Tested: **LXF.LXT-PA1-90-830-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-830-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7307 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

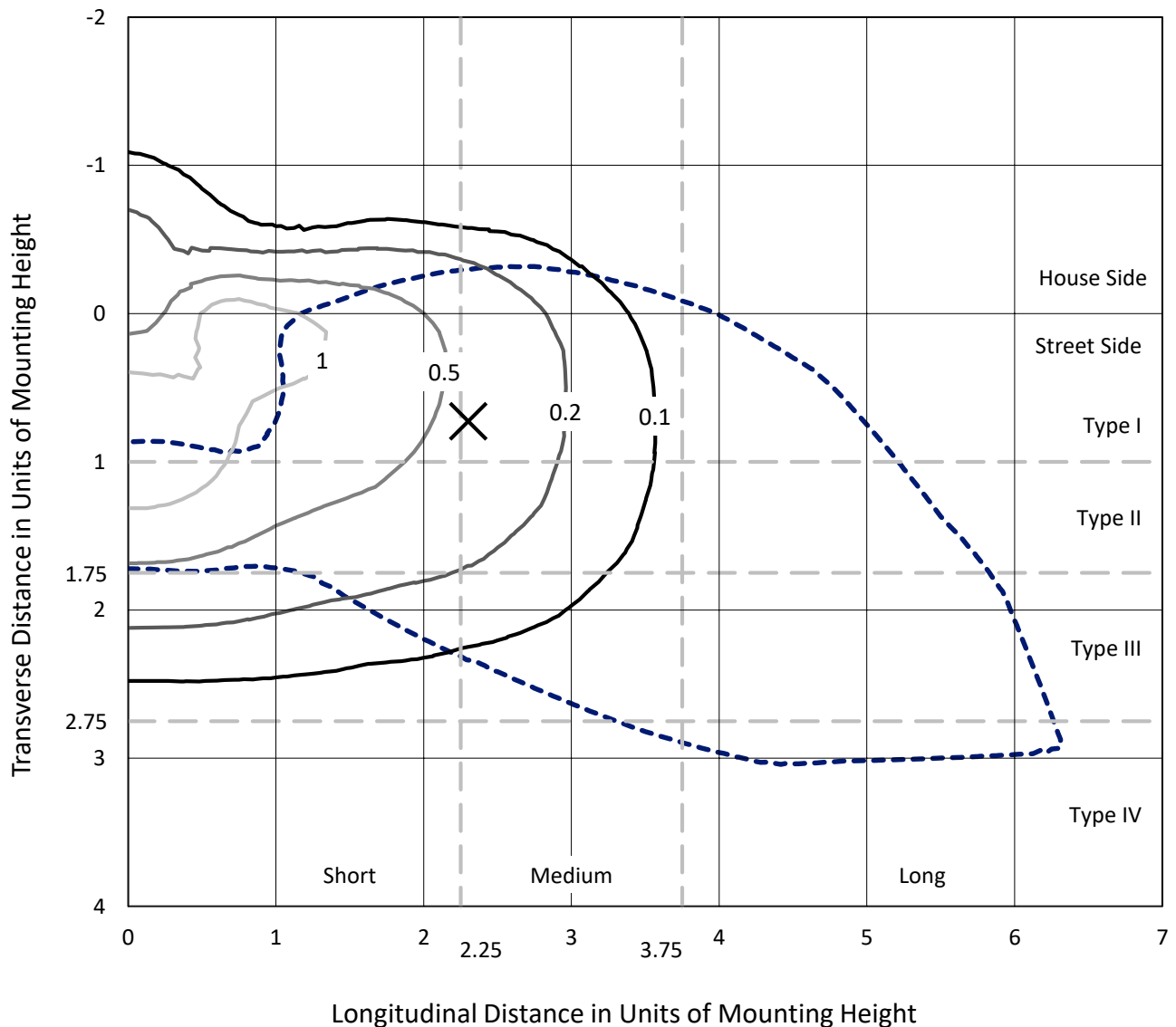
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

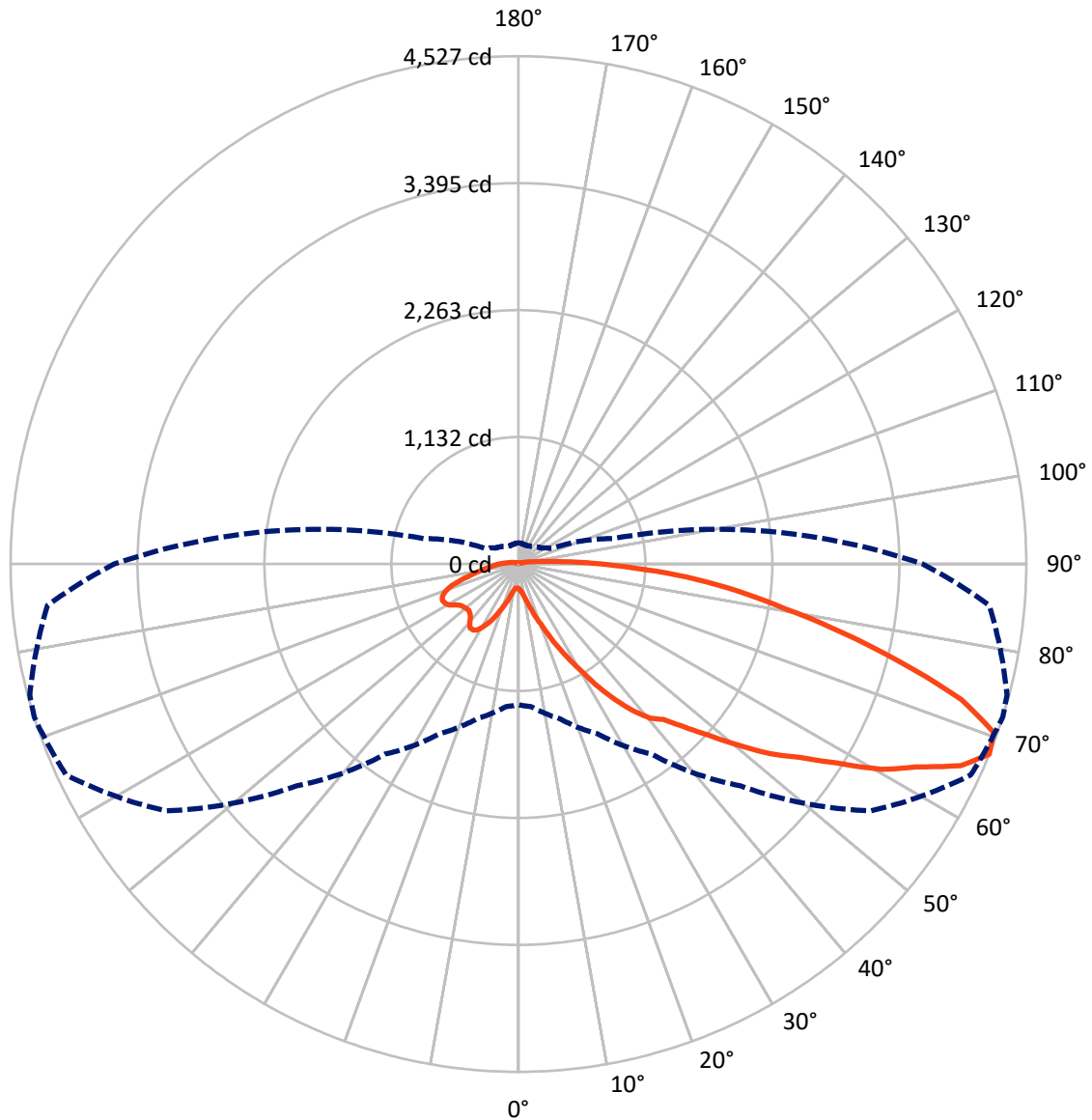
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1278.5	112.4	1390.9
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	5757.2	158.9	5916.1
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	7035.7	271.3	7307.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.9	0.3
10°-20°	98.6	1.3
20°-30°	273.3	3.7
30°-40°	587.6	8.0
40°-50°	994.6	13.6
50°-60°	1459.2	20.0
60°-70°	1740.3	23.8
70°-80°	1299.6	17.8
80°-90°	559.7	7.7
90°-100°	162.4	2.2
100°-110°	52.8	0.7
110°-120°	24.8	0.3
120°-130°	15.1	0.2
130°-140°	9.7	0.1
140°-150°	4.3	0.1
150°-160°	1.5	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	7035.7	96.3
0°-180°	7307.0	100.0

**Coefficient of Utilization**



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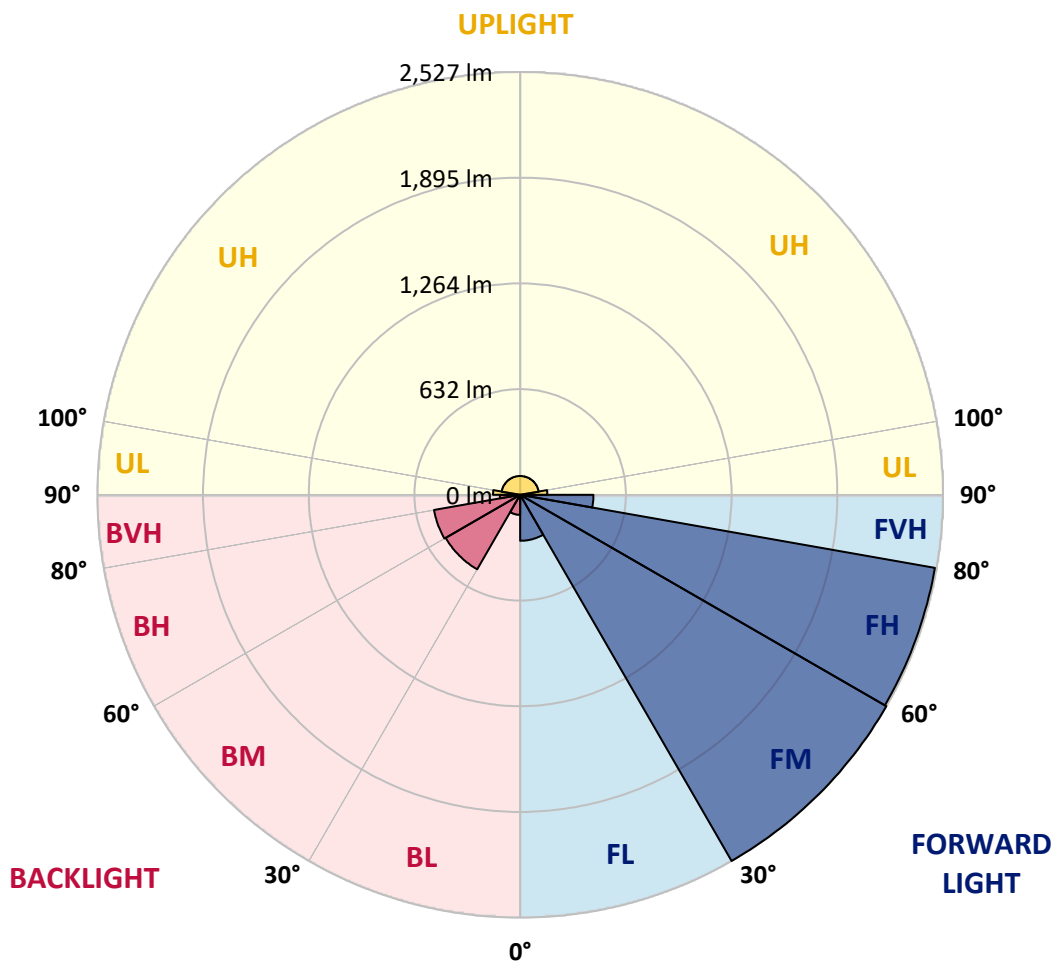
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.0	3.8			
FM	(30°-60°)	2527.3	34.6			
FH	(60°-80°)	2517.2	34.4			G2/5000
FVH	(80°-90°)	437.8	6.0			G3/500
BL	(0°-30°)	119.8	1.6	B1/500		
BM	(30°-60°)	514.1	7.0	B1/1000		
BH	(60°-80°)	522.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	121.9	1.7			G2/225
UL	(90°-100°)	162.4	2.2		U3/500	
UH	(100°-180°)	112.4	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3
2.5°	239.9	241.6	243.3	242.4	241.6	239.0	234.7	230.5	226.2	226.2	222.7
5°	274.1	273.3	272.4	273.3	269.0	263.0	256.2	248.4	242.4	240.7	232.2
7.5°	313.6	311.8	313.6	308.4	302.4	294.7	284.4	274.1	263.9	262.2	248.4
10°	360.7	359.0	358.1	353.8	342.7	331.5	321.3	305.0	297.3	294.7	276.7
12.5°	419.8	418.9	413.8	405.2	390.7	379.5	365.0	356.4	348.7	342.7	324.7
15°	487.5	489.2	483.2	465.2	447.2	430.1	423.2	416.4	410.4	407.8	392.4
17.5°	582.6	579.1	565.4	538.0	508.9	495.2	489.2	484.9	490.9	489.2	465.2
20°	699.9	691.4	669.9	622.8	586.8	564.6	559.4	567.1	570.6	579.1	562.9
22.5°	837.9	826.7	790.7	737.6	685.4	643.4	638.2	661.4	682.8	685.4	678.5
25°	972.4	962.1	930.4	861.0	790.7	735.1	723.1	774.5	817.3	825.0	834.4
27.5°	1110.3	1105.1	1058.9	983.5	906.4	836.1	834.4	890.1	956.9	974.9	991.2
30°	1267.1	1279.1	1220.8	1125.7	1028.9	947.5	943.2	1025.5	1107.7	1146.3	1173.7
32.5°	1488.1	1477.8	1405.0	1298.8	1154.8	1059.7	1065.7	1161.7	1300.5	1333.0	1369.0
35°	1741.7	1745.1	1645.7	1480.4	1310.8	1193.4	1189.1	1322.7	1483.8	1511.2	1571.2
37.5°	1949.9	1967.0	1893.3	1703.1	1485.5	1333.9	1339.9	1489.8	1659.4	1714.3	1766.5
40°	2173.5	2188.9	2103.2	1918.2	1675.7	1489.0	1497.5	1643.2	1805.1	1849.6	1862.5
42.5°	2417.6	2433.0	2329.4	2110.1	1835.9	1675.7	1642.3	1753.7	1895.0	1950.7	1961.9
45°	2646.4	2672.9	2568.4	2310.5	2015.0	1843.6	1793.1	1883.0	2068.1	2119.5	2131.5
47.5°	2716.6	2748.3	2702.9	2492.1	2186.3	1988.4	1955.0	2080.1	2279.7	2355.9	2340.5
50°	2784.3	2813.4	2786.0	2599.2	2328.5	2156.3	2164.0	2309.7	2535.8	2633.5	2621.5
52.5°	2794.6	2824.6	2796.3	2665.2	2450.2	2325.9	2411.6	2583.8	2808.3	2879.4	2862.2
55°	2811.7	2831.4	2805.7	2657.5	2538.4	2506.7	2668.6	2864.8	3043.0	3127.8	3099.6
57.5°	2573.5	2581.2	2674.6	2635.2	2557.3	2707.2	2958.2	3135.5	3345.4	3472.2	3457.7
60°	2230.9	2247.1	2362.8	2453.6	2544.4	2850.3	3242.6	3510.8	3716.4	3799.5	3720.7
62.5°	1949.0	1967.0	2088.6	2205.2	2435.6	2913.6	3539.9	3846.6	3982.0	4057.3	3964.0
65°	1570.3	1584.0	1732.3	1961.0	2258.3	2888.8	3762.6	4196.1	4332.3	4362.3	4181.6
67.5°	1255.1	1275.6	1426.4	1670.6	2068.1	2794.6	3835.5	4448.0	4526.8	4508.8	4213.3
70°	933.8	944.1	1128.3	1438.4	1842.8	2589.0	3766.1	4504.5	4492.6	4469.4	4064.2
72.5°	643.4	641.7	814.7	1117.1	1608.0	2354.2	3443.1	4185.0	4128.5	4068.5	3555.3
75°	415.5	438.6	546.6	812.2	1300.5	2015.0	3025.0	3634.1	3538.2	3443.1	2929.1
77.5°	280.1	296.4	383.8	581.7	993.8	1694.6	2603.5	3121.0	2960.8	2874.2	2364.5
80°	192.8	199.6	266.4	427.5	739.3	1344.2	2132.3	2583.0	2408.2	2305.4	1835.1
82.5°	135.4	140.5	185.9	315.3	556.9	1004.1	1702.3	2148.6	1965.3	1890.7	1425.6
85°	97.7	101.1	133.6	234.7	423.2	753.9	1295.3	1671.4	1512.1	1454.7	1018.6
87.5°	72.8	76.2	101.1	173.9	325.5	573.1	966.4	1196.8	1025.5	950.9	643.4
90°	54.0	57.4	78.0	130.2	254.4	431.8	699.9	818.2	665.7	603.1	410.4
92.5°	40.3	42.8	58.3	95.1	194.5	330.7	493.5	517.4	394.1	359.0	258.7
95°	30.0	31.7	43.7	69.4	138.8	240.7	323.0	302.4	232.2	210.7	163.6
97.5°	24.8	25.7	34.3	53.1	97.7	168.8	207.3	185.9	149.9	139.6	113.1
100°	20.6	21.4	27.4	40.3	71.1	115.7	137.1	120.8	104.5	100.2	88.2
102.5°	18.0	18.8	23.1	33.4	53.1	83.1	95.1	86.5	77.1	73.7	68.5
105°	16.3	16.3	20.6	28.3	43.7	62.5	69.4	63.4	57.4	55.7	54.8
107.5°	14.6	14.6	18.0	24.8	36.0	48.8	52.3	47.1	42.0	41.1	43.7
110°	13.7	13.7	16.3	22.3	30.8	40.3	41.1	35.1	31.7	31.7	35.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.9	12.9	15.4	19.7	27.4	33.4	32.6	27.4	24.8	24.8	29.1
115°	12.9	12.9	14.6	18.8	24.0	28.3	26.6	22.3	20.6	20.6	24.8
117.5°	12.9	13.7	14.6	18.0	22.3	24.8	23.1	18.8	18.0	18.0	22.3
120°	13.7	13.7	14.6	18.0	20.6	21.4	19.7	16.3	15.4	16.3	20.6
122.5°	13.7	13.7	15.4	18.0	19.7	19.7	17.1	14.6	14.6	14.6	18.8
125°	14.6	14.6	15.4	18.0	18.8	18.0	15.4	13.7	13.7	14.6	17.1
127.5°	15.4	15.4	16.3	18.0	18.0	16.3	14.6	12.9	12.9	13.7	17.1
130°	17.1	17.1	17.1	18.0	16.3	14.6	12.9	12.0	12.9	13.7	17.1
132.5°	17.1	17.1	17.1	17.1	15.4	12.9	12.0	11.1	12.9	13.7	16.3
135°	15.4	15.4	15.4	15.4	13.7	11.1	10.3	10.3	12.0	12.9	15.4
137.5°	13.7	13.7	13.7	12.9	12.0	10.3	8.6	8.6	10.3	11.1	13.7
140°	12.0	12.0	11.1	11.1	10.3	8.6	7.7	7.7	8.6	9.4	11.1
142.5°	9.4	9.4	9.4	9.4	8.6	6.9	6.0	6.0	7.7	8.6	9.4
145°	7.7	7.7	7.7	7.7	6.9	6.0	5.1	5.1	6.0	6.9	7.7
147.5°	6.0	6.0	6.9	6.9	6.0	5.1	3.4	4.3	5.1	5.1	6.0
150°	5.1	5.1	5.1	6.0	4.3	3.4	2.6	3.4	4.3	4.3	5.1
152.5°	4.3	4.3	4.3	4.3	3.4	1.7	2.6	3.4	3.4	4.3	4.3
155°	2.6	2.6	3.4	3.4	2.6	1.7	2.6	2.6	3.4	3.4	4.3
157.5°	1.7	1.7	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6	3.4
160°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
162.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
165°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
167.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
170°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
172.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
175°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
177.5°	0.0	0.9	1.7	2.6	2.6	1.7	1.7	1.7	1.7	1.7	2.6
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3	219.3
2.5°	220.2	218.5	215.0	211.6	208.2	204.8	203.9	202.2	201.3	200.5	201.3
5°	228.7	223.6	215.9	208.2	201.3	195.3	191.0	186.8	183.3	181.6	181.6
7.5°	244.2	235.6	222.7	209.9	197.9	187.6	180.8	174.8	170.5	168.8	167.9
10°	268.1	257.9	239.0	218.5	200.5	185.0	174.8	167.9	163.6	161.1	161.1
12.5°	310.1	298.1	268.1	236.5	207.3	185.9	172.2	165.3	161.1	160.2	161.1
15°	376.1	357.2	313.6	268.1	223.6	187.6	170.5	167.9	169.6	170.5	170.5
17.5°	453.2	427.5	371.8	303.3	241.6	195.3	177.3	175.6	178.2	180.8	182.5
20°	539.7	506.3	425.8	336.7	253.6	206.5	184.2	180.8	186.8	191.9	191.0
22.5°	649.4	609.1	494.3	362.4	262.2	209.0	186.8	183.3	193.6	199.6	201.3
25°	793.3	735.9	574.8	389.8	267.3	205.6	185.0	185.9	201.3	213.3	215.9
27.5°	950.1	867.0	649.4	412.1	267.3	197.0	182.5	192.8	214.2	229.6	231.3
30°	1121.4	1005.8	714.5	429.2	259.6	188.5	179.9	196.2	217.6	233.9	235.6
32.5°	1303.9	1149.7	782.2	435.2	248.4	181.6	177.3	193.6	211.6	226.2	229.6
35°	1465.8	1278.2	808.7	426.6	233.0	176.5	171.3	185.0	203.0	221.0	221.9
37.5°	1634.6	1400.7	820.7	402.7	217.6	171.3	166.2	179.1	200.5	221.9	224.5
40°	1706.6	1432.4	786.5	369.2	203.0	167.9	163.6	178.2	201.3	222.7	226.2
42.5°	1780.2	1463.2	744.5	321.3	193.6	167.1	166.2	178.2	197.0	214.2	216.7
45°	1906.2	1531.8	725.6	288.7	188.5	169.6	168.8	175.6	189.3	204.8	209.9
47.5°	2086.1	1635.4	716.2	268.1	188.5	173.9	171.3	173.1	181.6	195.3	199.6
50°	2316.5	1779.4	728.2	257.0	192.8	179.9	174.8	172.2	175.6	190.2	195.3
52.5°	2510.1	1917.3	742.8	255.3	199.6	187.6	179.9	172.2	174.8	191.9	197.9
55°	2713.2	2048.4	759.0	259.6	208.2	193.6	183.3	173.9	175.6	191.9	198.8
57.5°	3007.9	2271.1	801.0	269.0	216.7	200.5	187.6	176.5	174.8	187.6	192.8
60°	3276.9	2483.6	863.6	287.0	227.0	207.3	191.9	178.2	173.9	182.5	185.9
62.5°	3439.7	2598.4	887.5	304.1	237.3	213.3	193.6	178.2	176.5	184.2	186.8
65°	3607.6	2708.0	897.0	317.8	243.3	216.7	193.6	179.9	179.9	185.0	185.9
67.5°	3601.6	2684.1	874.7	324.7	248.4	218.5	193.6	179.9	181.6	186.8	187.6
70°	3443.9	2546.1	819.0	323.8	247.6	215.9	190.2	179.1	185.9	191.9	192.8
72.5°	2981.3	2188.9	729.1	313.6	239.9	209.0	185.0	177.3	187.6	196.2	196.2
75°	2445.9	1782.8	602.3	293.8	230.5	200.5	177.3	171.3	184.2	196.2	196.2
77.5°	1926.7	1395.6	488.3	268.1	216.7	190.2	167.9	161.1	175.6	186.8	185.9
80°	1496.7	1058.0	392.4	242.4	201.3	179.1	156.8	149.1	161.9	169.6	167.9
82.5°	1148.0	814.7	323.8	218.5	185.9	166.2	145.6	138.8	150.8	155.9	154.2
85°	783.9	583.4	265.6	191.9	166.2	150.8	134.5	129.4	143.1	149.1	147.4
87.5°	517.4	400.9	221.9	168.8	146.5	135.4	121.7	119.9	135.4	141.4	140.5
90°	341.8	280.1	188.5	146.5	127.6	118.2	109.7	109.7	123.4	128.5	125.1
92.5°	225.3	198.8	149.1	124.2	108.8	102.8	97.7	96.8	108.8	110.5	107.9
95°	153.3	139.6	116.5	102.8	91.7	88.2	84.0	85.7	93.4	91.7	89.1
97.5°	109.7	106.2	94.2	84.0	76.2	75.4	73.7	74.5	78.8	75.4	73.7
100°	87.4	84.8	78.0	70.2	65.1	64.3	63.4	64.3	66.8	63.4	61.7
102.5°	70.2	70.2	65.1	59.1	54.8	55.7	55.7	55.7	56.5	51.4	51.4
105°	56.5	56.5	54.8	49.7	47.1	47.1	48.0	48.0	48.0	44.5	44.5
107.5°	45.4	47.1	46.3	42.0	40.3	41.1	41.1	40.3	40.3	38.6	38.6
110°	36.8	38.6	38.6	36.0	35.1	36.0	35.1	34.3	33.4	33.4	33.4



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.8	32.6	33.4	31.7	30.8	30.8	30.0	29.1	29.1	30.0	30.0
115°	26.6	28.3	29.1	27.4	27.4	27.4	25.7	24.8	24.8	26.6	26.6
117.5°	24.0	24.8	25.7	24.8	24.0	24.0	23.1	21.4	21.4	23.1	24.0
120°	21.4	22.3	23.1	22.3	21.4	20.6	19.7	18.8	18.8	21.4	21.4
122.5°	19.7	20.6	20.6	19.7	18.8	18.8	18.0	17.1	17.1	18.8	19.7
125°	18.8	18.8	18.8	18.0	17.1	16.3	15.4	15.4	15.4	17.1	17.1
127.5°	18.0	18.0	17.1	16.3	15.4	14.6	14.6	13.7	13.7	15.4	16.3
130°	18.0	18.0	16.3	15.4	14.6	12.9	12.9	12.0	12.9	14.6	14.6
132.5°	17.1	17.1	15.4	14.6	12.9	12.0	11.1	11.1	11.1	12.9	13.7
135°	16.3	15.4	13.7	12.9	11.1	10.3	10.3	10.3	10.3	12.0	12.0
137.5°	14.6	13.7	12.0	11.1	10.3	9.4	8.6	8.6	9.4	10.3	11.1
140°	12.0	12.0	10.3	9.4	8.6	7.7	7.7	7.7	8.6	9.4	9.4
142.5°	10.3	10.3	8.6	7.7	6.9	6.0	6.9	6.9	7.7	8.6	8.6
145°	8.6	7.7	7.7	6.0	6.0	5.1	5.1	6.0	6.9	7.7	7.7
147.5°	6.9	6.9	6.0	5.1	4.3	4.3	4.3	5.1	6.0	6.0	6.9
150°	6.0	6.0	5.1	5.1	3.4	2.6	3.4	5.1	5.1	5.1	5.1
152.5°	5.1	5.1	5.1	4.3	3.4	1.7	2.6	4.3	4.3	4.3	4.3
155°	4.3	4.3	4.3	3.4	2.6	0.9	2.6	3.4	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	1.7	0.9	1.7	2.6	2.6	2.6	3.4
160°	2.6	2.6	2.6	2.6	1.7	0.9	1.7	2.6	2.6	2.6	2.6
162.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	2.6	1.7	1.7	1.7
165°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	1.7	1.7
167.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
170°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
172.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
175°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
177.5°	2.6	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)