

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: P415892

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6466 lumens  
Efficiency: N/A  
Efficacy: 101.0 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

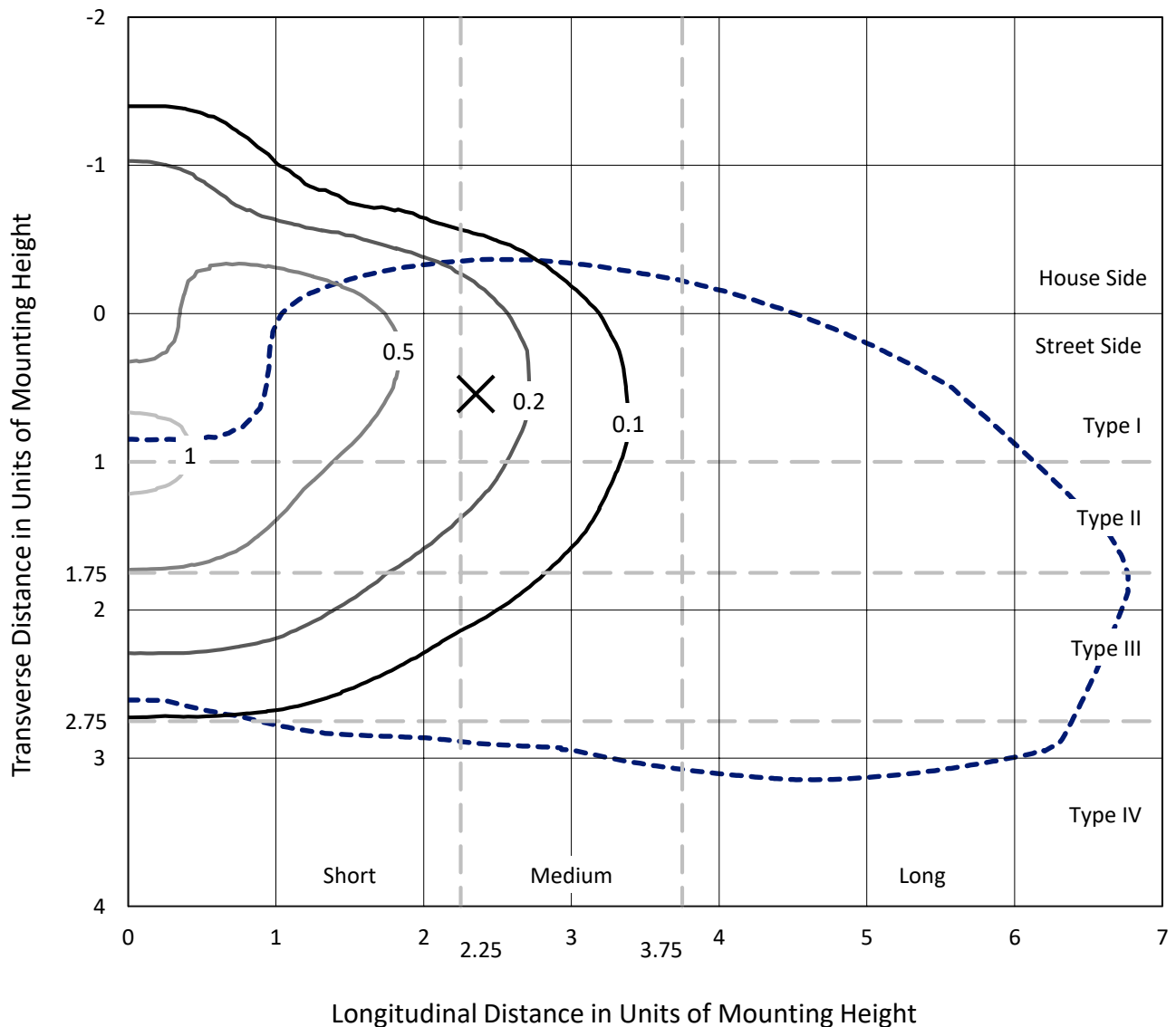
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

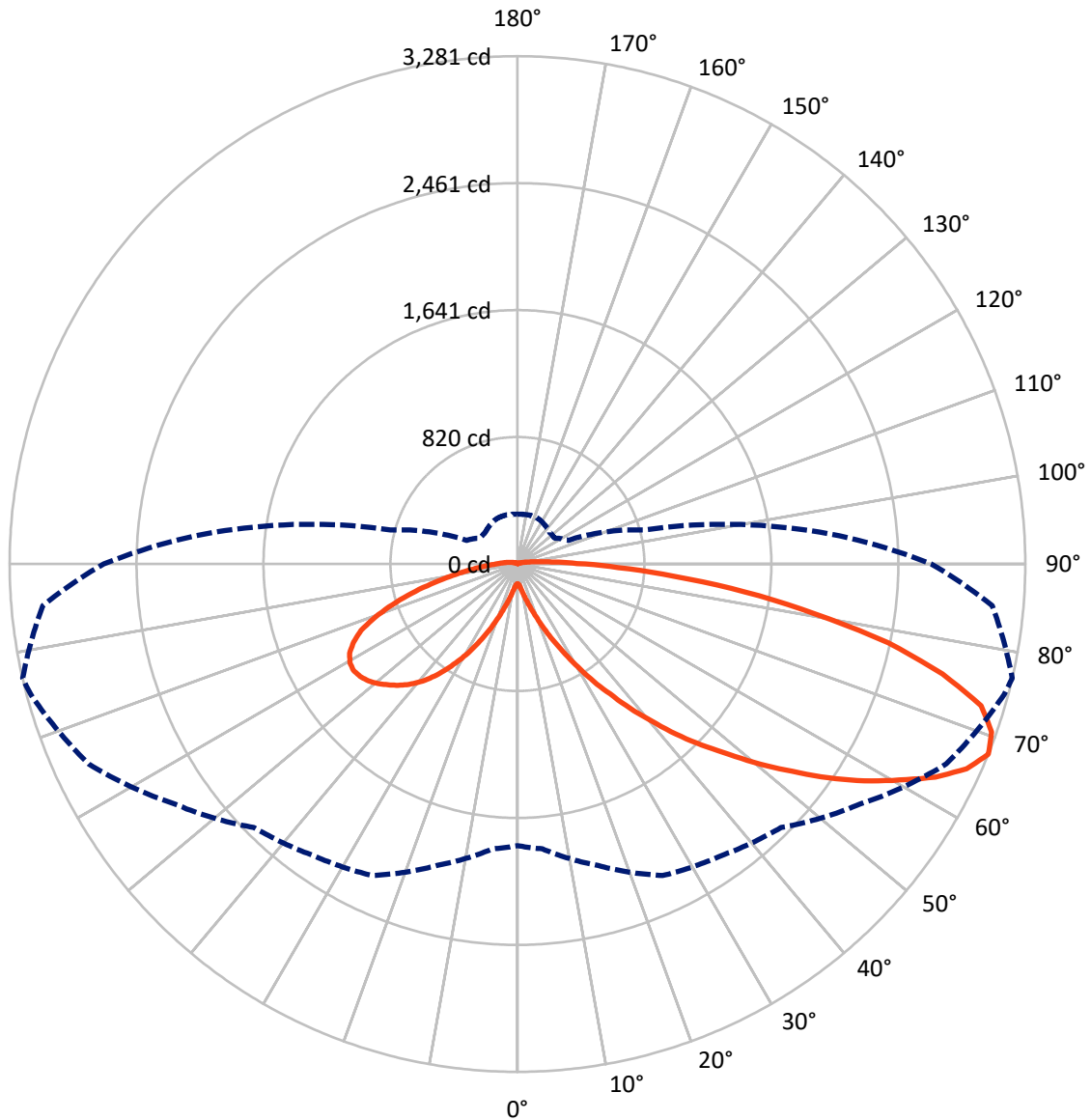
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1475.2	97.1	1572.3
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	4785.5	108.2	4893.7
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	6260.7	205.3	6466.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.7	0.2
10°-20°	75.0	1.2
20°-30°	224.1	3.5
30°-40°	496.3	7.7
40°-50°	888.7	13.7
50°-60°	1331.0	20.6
60°-70°	1568.9	24.3
70°-80°	1197.8	18.5
80°-90°	464.3	7.2
90°-100°	118.3	1.8
100°-110°	44.8	0.7
110°-120°	21.0	0.3
120°-130°	11.2	0.2
130°-140°	6.2	0.1
140°-150°	2.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6260.7	96.8
0°-180°	6466.0	100.0



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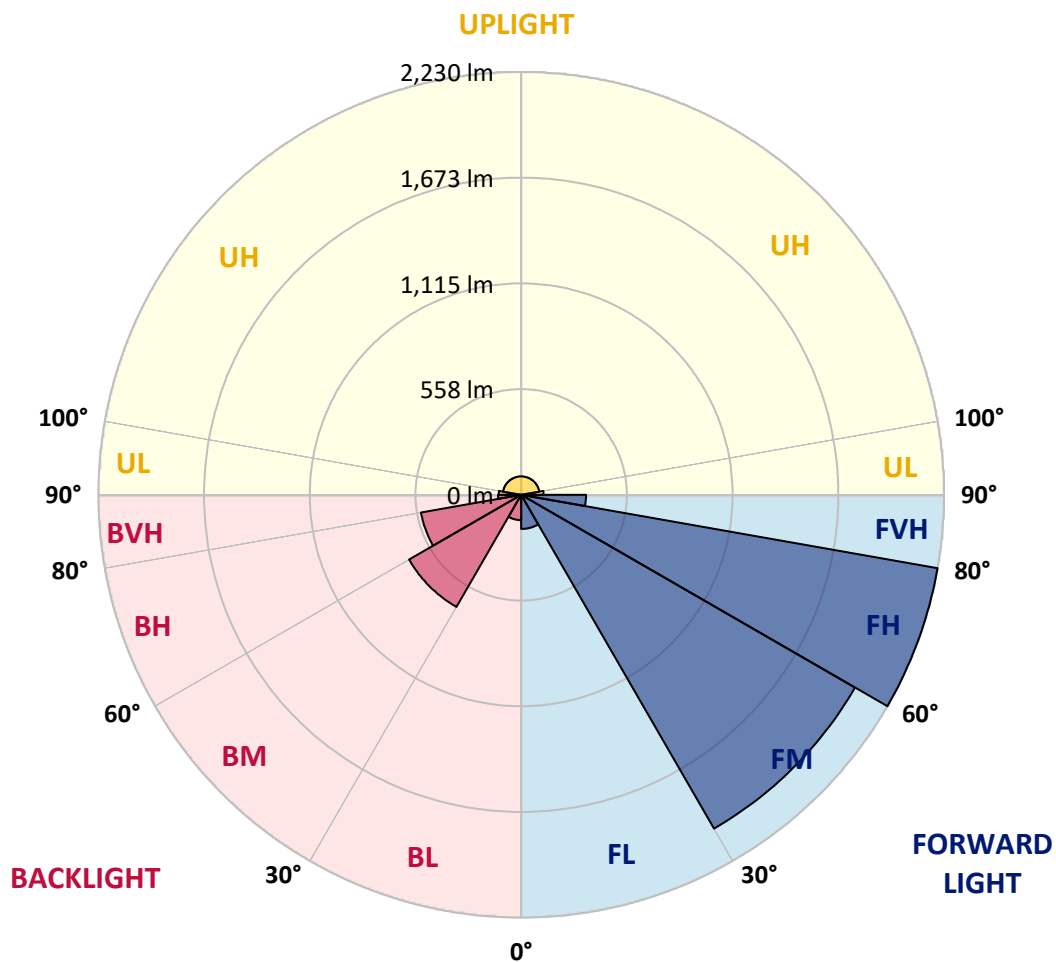
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.2	2.8			
FM	(30°-60°)	2033.1	31.4			
FH	(60°-80°)	2230.2	34.5			G2/5000
FVH	(80°-90°)	342.0	5.3			G3/500
BL	(0°-30°)	133.6	2.1	B1/500		
BM	(30°-60°)	682.8	10.6	B1/1000		
BH	(60°-80°)	536.4	8.3	B2/1000		G2/1000
BVH	(80°-90°)	122.3	1.9			G2/225
UL	(90°-100°)	118.3	1.8		U3/500	
UH	(100°-180°)	97.1	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°	75°	77°	85°
0°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	134.5	133.7	134.5	134.5	135.2	133.7	132.2	131.5	130.7	130.7	130.0
5°	148.6	147.1	147.8	148.6	147.8	146.3	144.1	143.4	141.9	141.9	140.4
7.5°	168.6	168.6	167.9	166.4	167.9	165.7	164.2	163.4	161.2	160.5	159.7
10°	199.1	197.6	196.9	195.4	193.9	193.1	190.2	190.2	186.5	187.9	185.7
12.5°	238.5	235.5	236.2	233.3	228.8	225.8	224.3	223.6	223.6	223.6	222.9
15°	286.0	283.8	283.0	276.3	271.9	268.2	265.2	265.9	269.7	270.4	267.4
17.5°	340.2	343.9	337.3	331.3	324.6	317.2	317.2	317.2	320.2	322.4	320.9
20°	416.0	408.6	401.1	391.5	380.3	374.4	371.4	380.3	385.5	389.3	387.8
22.5°	499.2	491.8	483.6	468.0	452.4	441.3	441.3	452.4	464.3	468.7	470.2
25°	593.5	598.0	577.9	554.2	525.9	516.3	517.8	534.1	551.9	555.7	564.6
27.5°	710.2	710.2	693.1	655.2	618.1	598.7	600.2	627.0	653.7	658.9	665.6
30°	852.0	846.8	823.8	773.3	724.3	687.9	694.6	727.3	769.6	774.1	782.2
32.5°	1010.3	1009.5	965.0	902.6	832.0	788.9	791.9	839.4	892.2	904.8	913.7
35°	1185.6	1190.0	1132.1	1041.5	959.8	901.8	911.5	965.7	1027.4	1030.3	1041.5
37.5°	1386.2	1383.9	1314.8	1216.0	1094.2	1032.6	1025.1	1098.7	1163.3	1182.6	1176.7
40°	1608.3	1584.5	1517.6	1395.1	1245.0	1162.6	1164.0	1239.8	1327.5	1333.4	1331.9
42.5°	1827.4	1817.0	1736.0	1570.4	1409.9	1312.6	1316.3	1389.1	1479.8	1502.8	1486.4
45°	2063.6	2037.6	1950.0	1779.1	1583.8	1478.3	1468.6	1550.3	1649.9	1667.7	1652.1
47.5°	2254.6	2238.2	2161.0	1979.0	1770.2	1635.0	1620.2	1720.4	1834.1	1835.6	1812.6
50°	2412.8	2404.6	2343.7	2182.5	1950.7	1810.3	1794.7	1894.3	2013.1	2032.4	1999.0
52.5°	2549.5	2536.1	2505.6	2346.7	2114.9	1960.4	1958.2	2067.4	2215.9	2224.8	2192.9
55°	2593.3	2601.5	2597.0	2484.8	2276.1	2109.0	2127.5	2274.6	2407.6	2438.8	2378.6
57.5°	2586.6	2586.6	2628.9	2577.7	2383.8	2243.4	2283.5	2461.1	2634.1	2643.8	2571.7
60°	2485.6	2487.8	2589.6	2603.7	2461.1	2358.6	2452.9	2650.5	2828.0	2834.0	2766.4
62.5°	2340.0	2334.8	2484.1	2555.4	2470.7	2426.9	2574.0	2816.1	3010.8	3030.8	2929.1
65°	2112.7	2122.3	2283.5	2425.4	2420.2	2452.9	2668.3	2965.5	3159.3	3188.3	3041.2
67.5°	1819.2	1847.5	2016.8	2220.4	2299.1	2407.6	2703.2	3056.8	3255.9	3281.2	3079.1
70°	1507.2	1500.6	1684.0	1939.6	2093.4	2291.7	2664.6	3060.5	3258.1	3250.0	2998.1
72.5°	1143.2	1171.5	1336.4	1596.4	1824.4	2071.8	2539.1	2965.5	3133.3	3131.9	2784.2
75°	812.7	829.8	975.4	1235.4	1507.2	1814.8	2288.7	2758.2	2881.5	2836.9	2474.4
77.5°	536.3	551.9	677.5	914.4	1166.3	1491.6	1952.2	2396.4	2494.5	2448.4	2079.2
80°	333.5	341.0	436.1	624.0	847.6	1155.9	1580.8	1959.6	1998.3	1951.5	1600.8
82.5°	198.3	204.3	272.6	400.4	603.9	841.6	1191.5	1502.0	1514.7	1482.7	1154.4
85°	121.8	130.0	173.8	267.4	402.6	593.5	830.5	1043.7	1052.6	1015.5	762.9
87.5°	79.5	83.9	118.1	173.8	271.1	397.4	556.4	694.6	674.5	651.5	482.1
90°	54.2	57.2	81.0	119.6	183.5	263.0	352.1	434.6	402.6	384.8	292.7
92.5°	37.9	40.9	59.4	86.2	127.0	176.1	228.8	260.0	246.6	238.5	184.2
95°	29.7	31.2	45.3	66.9	94.3	124.8	151.5	161.2	153.0	147.1	124.1
97.5°	23.8	25.3	37.9	54.2	73.5	92.9	105.5	108.5	100.3	97.3	86.2
100°	20.1	21.5	31.9	45.3	60.2	73.5	78.7	78.0	71.3	69.8	62.4
102.5°	17.8	18.6	28.2	39.4	51.3	59.4	62.4	58.7	52.0	51.3	46.8
105°	15.6	17.1	24.5	34.2	43.8	50.5	50.5	46.1	38.6	37.9	35.7
107.5°	14.9	14.9	21.5	29.7	37.9	42.3	42.3	37.1	30.5	29.0	27.5
110°	13.4	14.1	19.3	26.0	32.7	36.4	35.7	29.7	23.0	22.3	21.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.6	12.6	17.1	23.0	28.2	31.2	29.7	24.5	18.6	17.8	17.1
115°	11.9	11.9	15.6	20.8	25.3	27.5	25.3	20.1	14.9	14.1	14.9
117.5°	11.1	11.9	14.1	18.6	22.3	23.8	21.5	17.1	12.6	11.9	12.6
120°	11.1	11.1	13.4	16.3	19.3	20.8	18.6	14.1	10.4	10.4	11.1
122.5°	11.1	11.1	12.6	14.9	17.1	17.8	15.6	11.9	9.7	9.7	10.4
125°	10.4	10.4	11.9	13.4	15.6	15.6	14.1	10.4	8.2	8.2	9.7
127.5°	10.4	10.4	11.1	12.6	14.1	14.1	11.9	8.9	7.4	8.2	8.9
130°	9.7	9.7	10.4	11.1	12.6	11.9	10.4	8.2	6.7	7.4	8.2
132.5°	9.7	9.7	9.7	10.4	11.1	10.4	8.9	6.7	6.7	6.7	7.4
135°	8.9	8.9	9.7	9.7	9.7	8.9	7.4	5.9	5.9	5.9	6.7
137.5°	8.9	8.9	8.9	8.9	8.9	8.2	6.7	5.2	5.2	5.2	5.9
140°	8.2	8.2	8.2	7.4	7.4	6.7	5.2	4.5	4.5	4.5	5.2
142.5°	7.4	7.4	7.4	6.7	6.7	5.2	4.5	3.7	3.7	4.5	4.5
145°	6.7	6.7	6.7	5.9	5.2	4.5	3.0	3.0	3.7	3.7	4.5
147.5°	5.2	5.2	5.2	5.2	3.7	3.7	2.2	3.0	3.0	3.7	3.7
150°	4.5	4.5	4.5	4.5	3.0	2.2	1.5	2.2	3.0	3.0	3.0
152.5°	3.7	3.7	3.7	3.7	2.2	1.5	1.5	2.2	2.2	2.2	3.0
155°	2.2	2.2	3.0	2.2	1.5	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	1.5	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5
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°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	129.3	130.0	129.3	128.5	128.5	127.8	127.8	127.8	127.8	127.0	127.0
5°	141.1	140.4	139.7	138.2	136.7	135.2	135.2	134.5	133.7	133.0	133.0
7.5°	157.5	157.5	156.0	153.8	151.5	150.1	148.6	147.8	145.6	145.6	144.9
10°	182.7	182.7	178.3	176.1	172.3	168.6	167.1	164.9	163.4	162.7	161.9
12.5°	219.1	216.9	212.5	205.0	197.6	191.7	187.9	186.5	187.2	187.2	187.9
15°	265.9	261.5	254.8	240.7	227.3	218.4	216.2	216.2	216.9	216.9	217.7
17.5°	321.7	315.0	300.1	282.3	263.0	251.1	245.9	245.9	247.4	249.6	251.8
20°	389.3	383.3	360.3	329.1	300.1	284.5	275.6	274.9	277.8	284.5	283.0
22.5°	465.8	459.1	424.9	379.6	339.5	314.2	304.6	307.5	315.0	319.4	319.4
25°	557.9	546.7	495.5	429.4	378.1	342.5	329.8	334.3	345.4	350.6	352.9
27.5°	656.7	641.8	573.5	483.6	408.6	365.5	352.1	358.1	371.4	379.6	381.8
30°	774.1	748.1	655.2	534.1	436.1	381.8	367.7	378.9	393.7	403.4	405.6
32.5°	897.4	857.2	725.8	577.2	456.1	393.0	378.9	392.2	408.6	419.7	420.5
35°	1020.7	974.6	803.8	612.1	466.5	398.2	383.3	398.9	416.7	425.7	427.9
37.5°	1154.4	1090.5	871.4	634.4	471.0	397.4	383.3	398.9	416.0	423.4	424.9
40°	1282.9	1204.2	931.5	647.8	469.5	391.5	378.1	394.5	409.3	414.5	413.8
42.5°	1427.0	1314.1	979.8	648.5	459.1	382.6	371.4	385.5	395.9	395.2	395.9
45°	1564.4	1430.7	1015.5	643.3	445.0	371.4	362.5	375.1	378.9	375.1	374.4
47.5°	1715.2	1546.6	1043.7	629.9	427.9	361.0	352.9	362.5	363.3	355.1	353.6
50°	1875.0	1662.5	1069.7	605.4	407.8	349.1	343.9	352.1	350.6	337.3	335.0
52.5°	2031.0	1779.9	1086.0	575.7	387.8	338.7	336.5	344.7	340.2	324.6	321.7
55°	2197.4	1888.3	1089.0	546.0	368.5	329.8	329.8	338.7	333.5	317.2	315.0
57.5°	2360.0	2002.0	1077.9	507.4	349.9	320.2	324.6	335.0	331.3	315.0	313.5
60°	2512.3	2087.4	1047.4	471.0	332.8	313.5	320.9	332.8	329.8	316.5	315.0
62.5°	2630.4	2143.9	999.1	435.3	317.9	306.8	317.2	329.1	329.8	318.7	319.4
65°	2685.4	2143.9	929.3	399.7	304.6	300.1	313.5	326.9	328.3	321.7	321.7
67.5°	2673.5	2088.9	850.6	362.5	291.9	291.9	308.3	322.4	325.4	322.4	322.4
70°	2548.0	1940.3	742.9	332.8	279.3	282.3	300.1	315.0	319.4	320.2	319.4
72.5°	2343.7	1716.7	631.4	301.6	265.9	272.6	289.7	304.6	310.5	312.0	311.3
75°	2028.0	1457.5	522.2	275.6	251.8	260.0	277.8	290.5	297.1	300.1	298.6
77.5°	1629.8	1156.6	427.9	249.6	235.5	244.4	261.5	271.9	280.1	283.8	280.8
80°	1242.0	861.0	340.2	223.6	215.4	225.1	239.9	251.1	258.5	260.0	257.8
82.5°	881.8	610.6	272.6	199.1	193.9	202.1	215.4	222.9	231.8	231.0	226.6
85°	577.9	414.5	213.9	173.1	170.9	176.1	186.5	190.9	199.8	199.8	194.6
87.5°	375.9	274.9	168.6	145.6	147.8	152.3	157.5	161.2	164.9	165.7	161.2
90°	239.9	187.9	134.5	124.1	126.3	130.0	130.0	129.3	135.2	136.7	133.0
92.5°	157.5	133.7	111.4	105.5	107.0	107.7	107.7	104.7	109.9	110.7	107.7
95°	110.7	100.3	92.1	90.6	90.6	90.6	89.1	85.4	89.9	89.9	88.4
97.5°	83.2	78.0	77.3	77.3	77.3	76.5	74.3	72.8	74.3	74.3	73.5
100°	62.4	61.7	63.9	65.4	66.1	65.4	63.9	61.7	61.7	58.7	59.4
102.5°	47.5	49.0	53.5	55.7	55.7	55.7	55.0	52.0	50.5	47.5	46.8
105°	37.1	38.6	43.8	46.8	47.5	48.3	46.8	43.8	40.9	37.9	37.1
107.5°	29.0	31.2	35.7	39.4	40.9	40.9	40.1	37.1	33.4	29.7	29.7
110°	23.8	25.3	29.7	33.4	34.9	34.9	34.2	30.5	26.7	23.8	23.8



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	20.8	25.3	28.2	29.7	30.5	29.0	26.0	22.3	19.3	19.3
115°	16.3	17.8	21.5	23.8	25.3	25.3	24.5	21.5	18.6	16.3	16.3
117.5°	14.1	15.6	18.6	20.8	21.5	22.3	20.8	18.6	15.6	14.1	14.1
120°	12.6	13.4	16.3	17.8	18.6	18.6	17.8	15.6	13.4	12.6	12.6
122.5°	11.1	12.6	14.1	15.6	16.3	16.3	15.6	13.4	11.9	11.1	11.9
125°	10.4	11.1	12.6	14.1	14.1	14.1	13.4	11.9	10.4	10.4	10.4
127.5°	9.7	10.4	11.1	11.9	12.6	12.6	11.9	10.4	9.7	9.7	9.7
130°	8.9	9.7	10.4	10.4	11.1	11.1	10.4	8.9	8.9	8.9	8.9
132.5°	8.2	8.9	8.9	9.7	9.7	9.7	8.9	8.2	8.2	8.2	8.2
135°	7.4	7.4	8.2	8.2	8.2	8.2	7.4	7.4	7.4	7.4	7.4
137.5°	6.7	6.7	7.4	6.7	7.4	6.7	6.7	5.9	6.7	6.7	6.7
140°	5.9	5.9	5.9	5.9	5.9	5.9	5.2	5.2	5.9	5.9	5.9
142.5°	5.2	5.2	5.2	4.5	4.5	4.5	4.5	4.5	5.2	5.2	5.2
145°	4.5	4.5	4.5	3.7	3.7	3.0	3.7	3.7	4.5	4.5	4.5
147.5°	3.7	3.7	3.7	3.7	3.0	2.2	2.2	3.0	3.7	3.7	3.7
150°	3.0	3.7	3.7	3.0	2.2	1.5	1.5	2.2	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	2.2	1.5	0.7	0.7	1.5	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	1.5	1.5	1.5	1.5
157.5°	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.7	1.5	0.7	0.7
160°	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.7	0.7	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)