

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: P266167

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266167  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
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-T4W-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6057.7 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

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

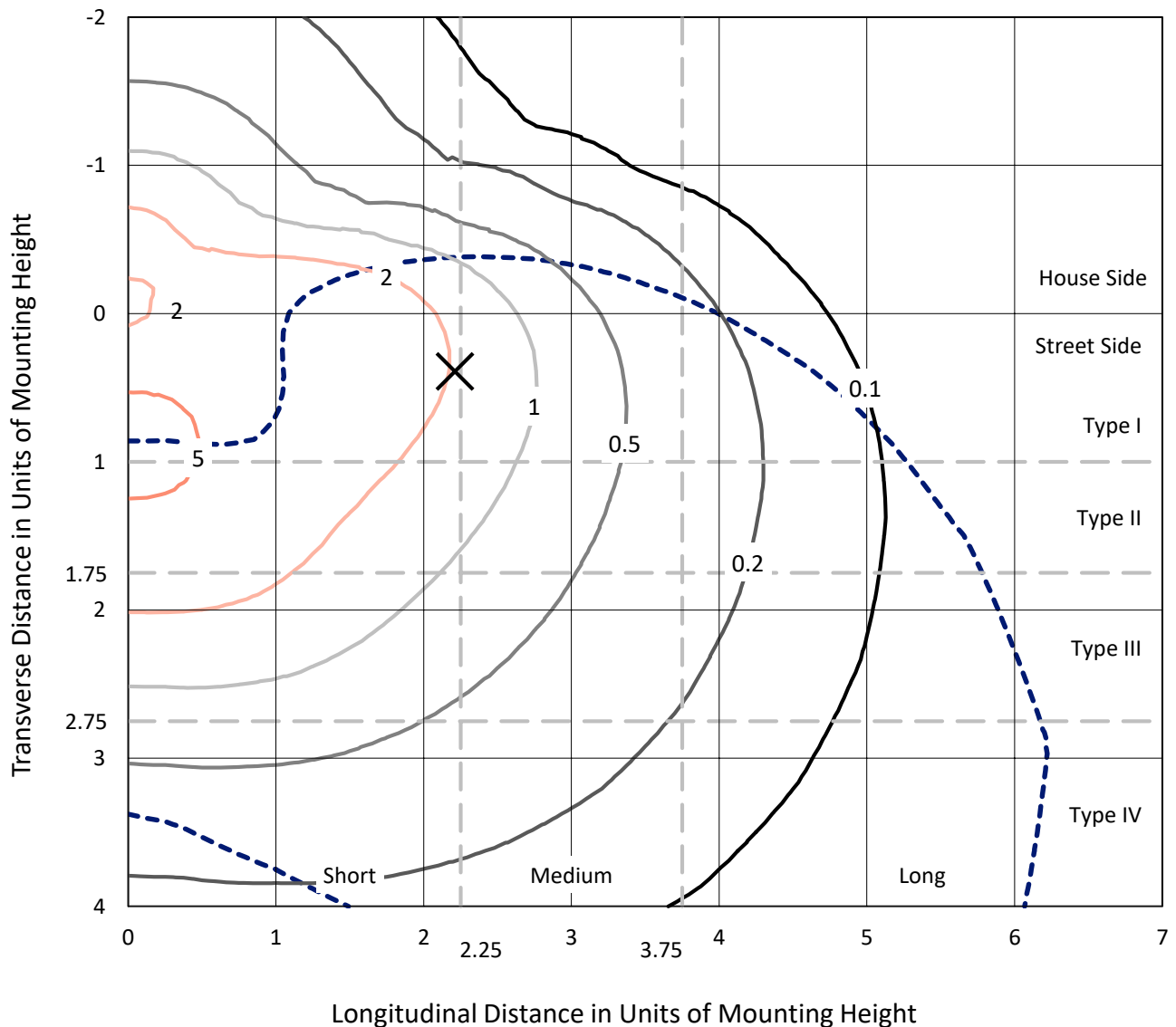


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

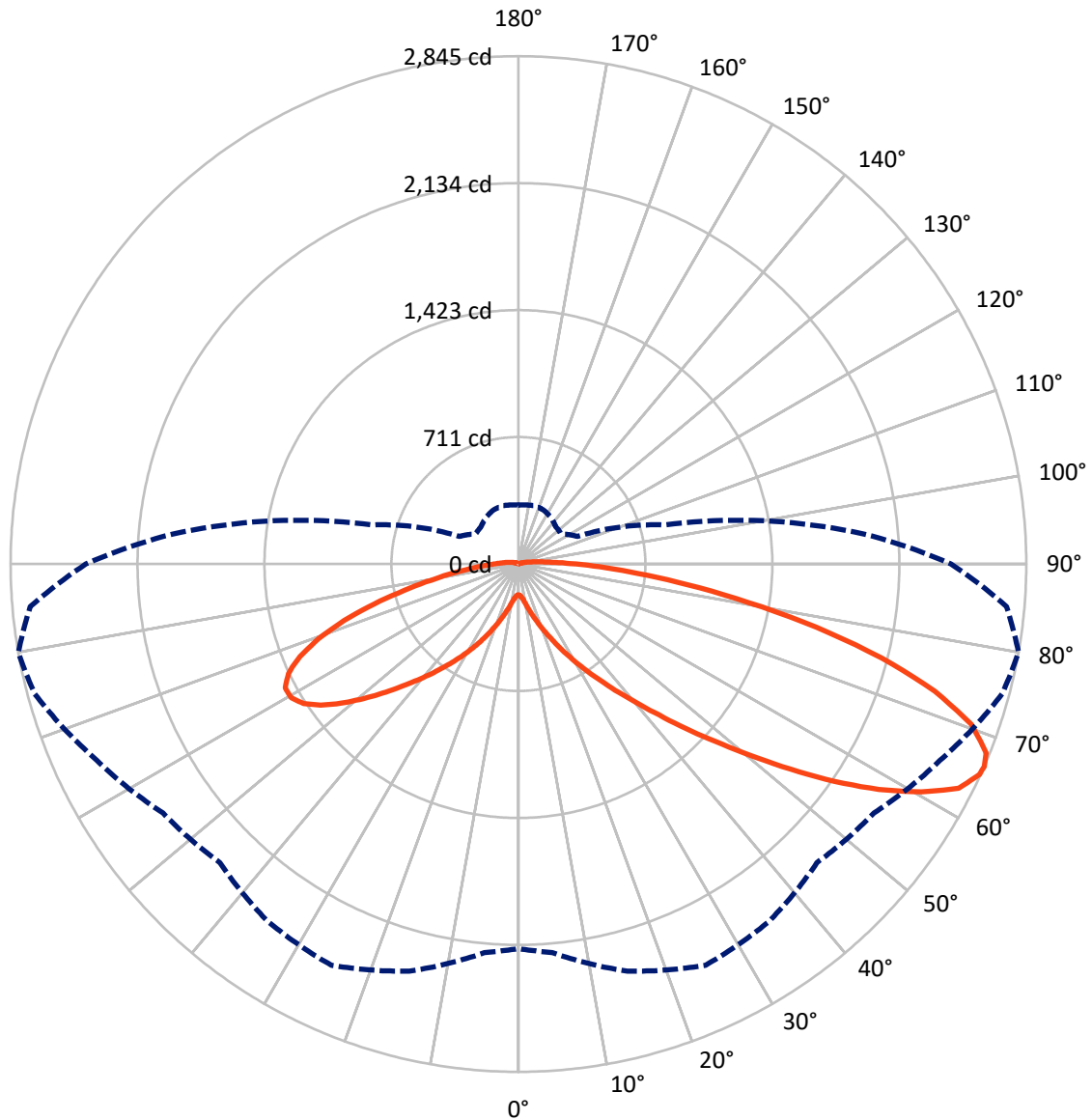


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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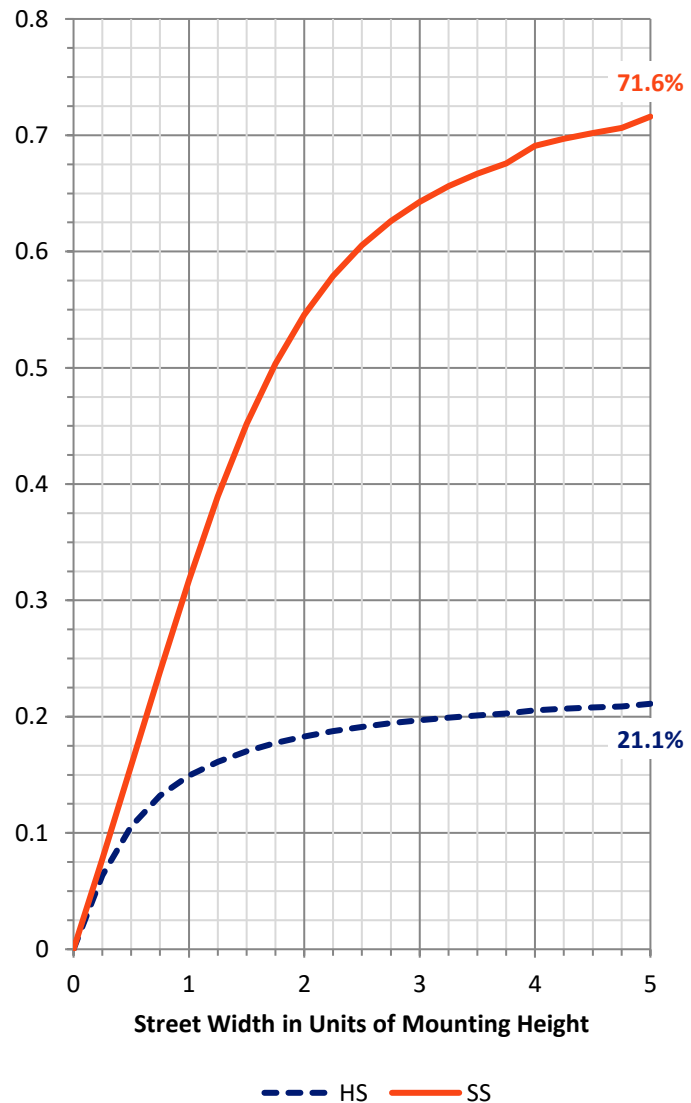
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1343.4	86.6	1430.0
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	4511.7	116.0	4627.7
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	5855.1	202.6	6057.7
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.7	0.3
10°-20°	82.2	1.4
20°-30°	209.9	3.5
30°-40°	415.5	6.9
40°-50°	720.1	11.9
50°-60°	1148.3	19.0
60°-70°	1492.9	24.6
70°-80°	1234.8	20.4
80°-90°	532.7	8.8
90°-100°	138.9	2.3
100°-110°	40.9	0.7
110°-120°	15.3	0.3
120°-130°	5.3	0.1
130°-140°	1.7	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5855.1	96.7
0°-180°	6057.7	100.0

**Coefficient of Utilization**



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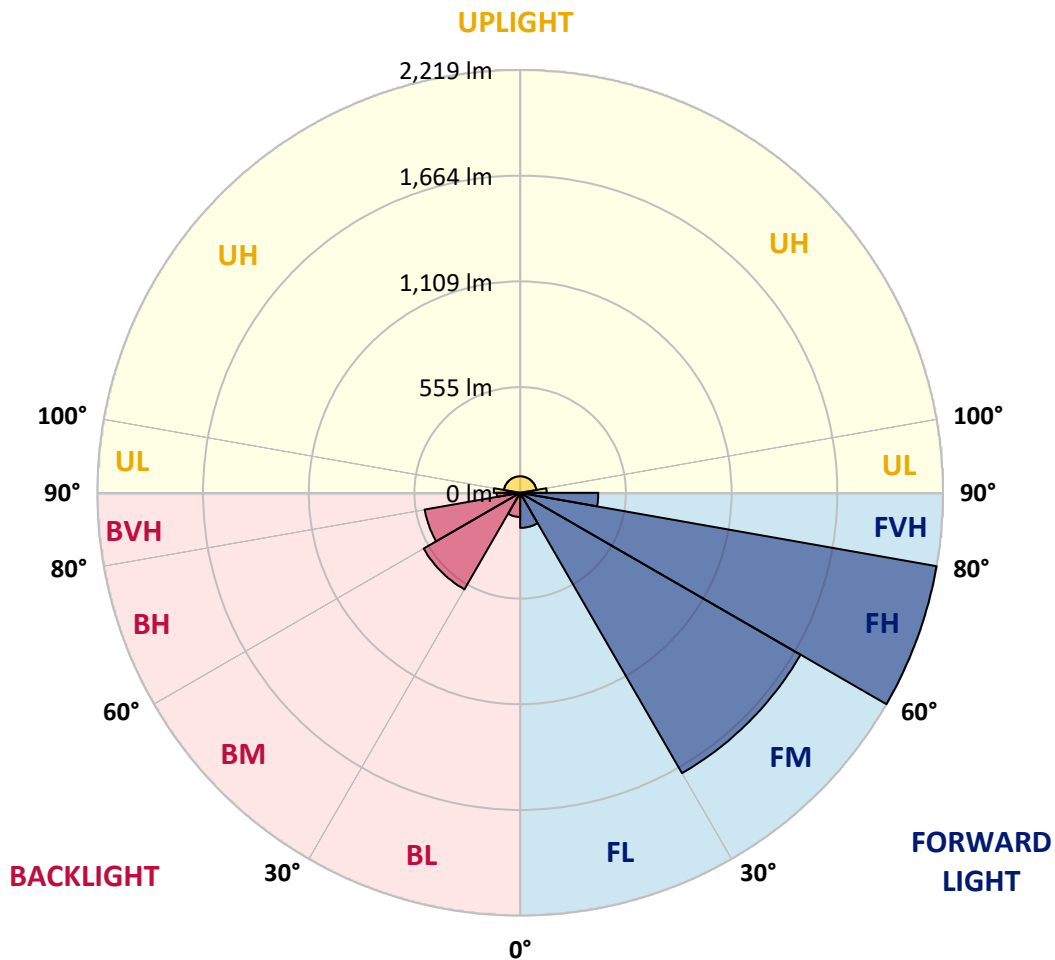
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.0	3.0			
FM (30°-60°)	1698.8	28.0			
FH (60°-80°)	2218.9	36.6			G2/5000
FVH (80°-90°)	410.0	6.8			G3/500
BL (0°-30°)	126.8	2.1	B1/500		
BM (30°-60°)	585.1	9.7	B1/1000		
BH (60°-80°)	508.8	8.4	B2/1000		G2/1000
BVH (80°-90°)	122.7	2.0			G2/225
UL (90°-100°)	138.9	2.3		U3/500	
UH (100°-180°)	86.6	1.4		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3
2.5°	185.7	185.0	185.7	185.7	185.0	184.2	181.9	180.6	178.4	176.8	176.2
5°	201.0	200.2	200.2	200.2	199.5	198.0	195.1	192.1	189.4	187.0	186.4
7.5°	222.8	220.7	220.7	219.8	218.4	216.2	212.5	209.7	206.8	203.1	201.7
10°	252.7	251.2	249.0	247.6	243.9	241.7	237.3	233.6	231.6	228.6	225.7
12.5°	288.3	290.5	289.1	283.1	278.8	275.2	269.4	267.2	265.0	261.3	259.3
15°	334.9	336.3	332.7	327.0	319.5	315.2	309.5	304.3	302.9	298.4	295.6
17.5°	388.1	390.9	385.2	376.4	367.0	356.7	352.3	347.3	345.0	340.6	337.9
20°	451.4	454.4	446.3	433.3	419.4	404.7	399.7	393.8	393.2	388.7	386.6
22.5°	525.7	527.8	515.4	496.6	476.9	458.0	450.0	444.1	444.8	441.2	440.4
25°	611.6	612.3	594.8	570.1	540.2	514.6	503.8	500.9	503.8	501.7	500.1
27.5°	708.4	707.7	691.6	653.1	608.0	572.9	559.9	560.6	567.1	568.5	568.5
30°	815.4	818.3	791.3	741.1	682.2	634.2	620.3	623.2	642.1	642.1	642.1
32.5°	939.8	939.2	908.5	835.9	762.2	703.3	685.0	688.0	711.3	722.1	718.6
35°	1079.0	1077.4	1039.6	946.5	849.5	776.9	752.1	765.9	798.0	810.4	807.3
37.5°	1228.3	1228.3	1183.7	1069.5	944.9	857.0	829.9	845.2	890.4	910.8	899.8
40°	1381.1	1381.9	1329.4	1208.5	1053.4	944.3	913.7	940.6	1003.9	1023.6	1016.3
42.5°	1533.9	1529.6	1480.9	1346.1	1170.0	1042.6	1005.5	1050.6	1127.7	1155.4	1145.2
45°	1688.4	1685.4	1640.9	1490.9	1297.3	1148.8	1110.2	1168.4	1268.9	1313.4	1303.3
47.5°	1837.6	1837.6	1796.0	1636.6	1435.8	1269.7	1234.7	1306.9	1434.2	1483.0	1485.2
50°	1978.1	1980.3	1944.7	1796.0	1577.0	1403.0	1372.3	1466.3	1632.2	1685.4	1689.1
52.5°	2109.1	2114.9	2091.7	1962.1	1734.8	1551.5	1529.6	1636.0	1830.2	1908.2	1917.6
55°	2225.6	2227.7	2224.8	2116.3	1897.2	1707.1	1700.0	1827.3	2066.1	2149.9	2149.9
57.5°	2307.1	2320.2	2347.2	2259.1	2066.1	1877.5	1876.1	2026.0	2282.4	2382.1	2376.2
60°	2344.2	2358.8	2427.3	2386.4	2222.6	2048.7	2063.9	2233.5	2512.4	2592.5	2587.4
62.5°	2321.0	2339.8	2451.3	2471.6	2347.2	2208.2	2237.3	2419.9	2674.1	2767.9	2711.2
65°	2213.2	2240.9	2396.7	2490.6	2429.5	2329.8	2385.0	2566.3	2784.7	2840.0	2754.2
66°	2154.2	2184.8	2361.0	2479.7	2445.5	2365.3	2431.0	2604.8	2805.9	2845.1	2745.4
67.5°	2056.0	2080.7	2282.4	2440.3	2452.7	2413.4	2485.5	2642.8	2799.9	2826.2	2698.1
70°	1826.7	1857.2	2079.9	2318.0	2415.6	2444.0	2523.3	2638.4	2728.7	2692.3	2521.9
72.5°	1547.8	1595.8	1817.2	2107.7	2298.5	2397.3	2484.1	2543.0	2539.4	2440.3	2237.3
75°	1232.6	1262.4	1496.8	1811.3	2078.6	2262.7	2349.3	2339.1	2248.2	2099.7	1871.8
77.5°	920.3	950.0	1158.4	1468.4	1774.2	2007.3	2085.9	2041.4	1872.4	1707.9	1487.4
80°	647.9	674.2	848.2	1138.0	1433.4	1673.7	1739.3	1676.0	1469.2	1306.0	1118.3
82.5°	442.0	453.6	599.2	850.3	1117.5	1322.1	1385.5	1303.9	1106.6	951.6	805.2
85°	271.6	288.3	406.9	605.7	821.9	979.2	1028.6	964.6	795.0	671.3	554.8
87.5°	158.7	168.2	252.0	408.4	591.2	720.0	745.6	685.8	545.4	454.4	368.3
90°	85.2	92.4	144.8	254.8	401.2	498.0	517.0	461.5	356.7	289.8	235.9
92.5°	50.2	54.5	86.6	153.6	256.9	327.6	340.6	296.4	224.2	185.7	154.4
95°	32.8	35.7	56.9	96.1	158.0	207.5	214.1	183.4	141.9	122.3	107.0
97.5°	24.1	25.5	40.8	65.5	99.7	127.4	132.5	113.5	94.0	84.4	76.4
100°	19.0	20.4	31.4	48.1	67.0	82.3	83.7	74.3	64.8	59.6	56.9
102.5°	16.0	16.8	25.5	37.9	50.2	58.2	59.0	52.5	45.9	42.9	42.2
105°	13.8	14.6	21.9	31.4	40.1	45.2	45.2	39.3	33.4	31.4	32.0
107.5°	11.7	12.3	18.1	26.2	33.4	37.1	36.4	30.6	24.8	22.5	23.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	10.2	10.9	16.0	22.5	29.1	31.4	29.9	24.1	17.4	16.0	16.8
112.5°	9.4	9.4	13.8	19.7	24.8	26.2	24.1	18.1	12.3	11.7	12.3
115°	8.1	8.8	11.7	16.8	20.4	21.9	19.7	13.8	8.8	8.8	9.4
117.5°	7.2	8.1	10.2	13.8	17.4	18.1	16.0	10.9	6.6	6.6	7.2
120°	6.6	6.6	8.8	11.7	14.6	14.6	12.3	8.1	5.1	5.1	5.7
122.5°	5.7	6.6	7.2	9.4	11.7	11.7	9.4	5.7	4.4	4.4	5.1
125°	5.1	5.7	6.6	8.1	9.4	9.4	7.2	4.4	3.7	4.4	4.4
127.5°	5.1	5.1	5.7	6.6	8.1	7.2	5.7	3.0	3.7	3.7	4.4
130°	4.4	4.4	5.1	5.1	5.7	5.7	4.4	3.0	3.0	3.7	3.7
132.5°	3.7	3.7	4.4	4.4	5.1	4.4	3.0	2.2	3.0	3.0	3.7
135°	3.0	3.0	3.0	3.7	3.7	3.0	2.2	2.2	3.0	3.0	3.0
137.5°	3.0	2.2	3.0	3.0	2.2	1.4	1.4	1.4	2.2	3.0	3.0
140°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	1.4	2.2	2.2	3.0
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	2.2	2.2
145°	0.0	0.0	0.7	0.7	0.0	0.0	0.7	0.7	1.4	1.4	2.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3	173.3
2.5°	175.4	174.7	172.6	171.0	169.6	168.2	168.2	168.2	167.4	166.7	166.7
5°	185.0	183.4	180.6	177.7	174.0	171.0	169.6	168.9	167.4	165.9	165.9
7.5°	200.2	198.0	193.0	187.0	183.4	179.1	177.7	176.2	174.0	172.6	171.8
10°	223.5	219.8	211.9	204.5	197.3	191.5	189.4	187.8	186.4	186.4	186.4
12.5°	254.8	250.4	240.2	227.1	218.4	209.7	206.8	206.0	206.8	207.5	207.5
15°	291.2	284.0	270.7	253.3	240.9	231.6	228.6	228.6	230.1	230.8	230.8
17.5°	333.5	324.6	302.9	282.4	265.7	255.6	251.2	251.2	254.1	255.6	256.2
20°	377.8	368.3	343.6	310.9	289.8	278.1	273.1	273.8	277.3	281.0	281.8
22.5°	428.9	417.9	380.7	340.6	313.1	297.8	291.9	294.1	299.9	305.1	306.5
25°	487.1	473.1	424.4	372.7	334.2	313.8	309.5	313.8	322.5	329.0	329.8
27.5°	550.4	533.0	468.8	401.9	350.2	324.0	321.1	329.8	340.0	348.1	349.4
30°	621.0	599.2	515.4	427.4	362.6	332.0	329.0	340.6	353.2	362.6	364.1
32.5°	699.6	669.7	560.6	449.2	369.8	334.9	333.5	347.3	362.6	372.0	373.4
35°	784.8	745.6	608.6	466.7	372.7	334.2	333.5	349.4	365.5	375.0	375.8
37.5°	879.5	831.4	654.5	479.8	372.0	331.3	331.3	348.1	363.3	372.0	372.0
40°	988.7	924.5	704.7	488.5	368.3	326.2	327.0	342.2	356.7	362.6	363.3
42.5°	1113.2	1032.3	750.7	492.1	361.1	320.3	320.3	335.6	347.3	350.2	350.2
45°	1255.9	1152.4	800.7	491.5	353.8	313.8	314.4	327.6	336.3	337.0	336.3
47.5°	1427.0	1291.6	848.2	488.5	343.6	307.2	309.5	321.1	327.6	327.0	326.2
50°	1614.8	1441.5	894.7	482.0	334.9	302.9	305.8	316.7	322.5	320.3	318.9
52.5°	1817.9	1598.1	936.3	471.8	325.5	299.2	304.3	315.2	320.3	316.7	316.7
55°	2028.4	1753.1	969.0	456.5	317.5	297.0	305.1	315.2	321.1	317.5	317.5
57.5°	2219.1	1886.4	984.4	439.0	310.9	296.4	306.5	318.9	324.0	321.1	321.1
60°	2369.0	1979.5	974.1	418.6	304.3	295.6	309.5	323.2	329.0	325.5	325.5
62.5°	2458.7	2021.0	937.7	396.8	299.2	296.4	313.8	329.8	334.2	329.8	328.3
65°	2454.9	1978.1	876.6	373.4	294.1	296.4	316.7	333.5	337.0	332.0	329.8
66°	2422.9	1941.0	845.2	364.7	292.7	295.6	317.5	333.5	337.9	332.0	329.8
67.5°	2362.5	1864.5	793.6	350.9	289.1	294.9	318.2	334.2	337.0	332.0	329.0
70°	2171.7	1694.8	696.7	327.6	282.4	291.2	315.9	332.0	334.2	329.8	327.0
72.5°	1886.4	1453.8	598.5	304.3	273.8	283.1	310.2	324.6	328.3	324.0	321.1
75°	1549.9	1179.5	500.1	281.8	260.7	271.6	298.4	313.1	317.5	313.8	310.2
77.5°	1204.8	902.7	406.3	259.9	245.3	256.9	282.4	295.6	299.9	295.6	293.3
80°	894.1	667.6	326.2	236.7	227.9	238.8	262.8	274.4	278.8	273.8	272.2
82.5°	641.4	484.1	259.9	211.1	206.8	216.9	238.8	249.0	252.7	249.6	244.6
85°	428.9	333.5	205.4	183.4	184.2	193.7	211.9	218.4	222.8	219.8	215.6
87.5°	290.5	228.6	162.4	155.8	158.0	164.5	181.3	186.4	189.4	185.7	185.0
90°	189.4	158.0	128.8	131.8	134.7	139.7	149.9	152.2	155.8	152.2	151.5
92.5°	128.8	115.7	104.8	110.0	113.5	117.1	123.1	124.4	127.4	124.4	123.1
95°	94.6	89.6	85.2	91.7	95.4	97.6	101.1	100.5	102.6	99.7	98.3
97.5°	72.0	69.2	69.9	75.6	79.4	80.8	82.3	80.8	81.6	78.6	77.2
100°	56.1	54.5	56.9	62.6	65.5	65.5	66.3	64.8	63.3	60.5	58.2
102.5°	42.9	42.9	45.9	51.7	53.9	53.9	53.1	50.9	48.8	45.9	45.9
105°	32.8	33.4	37.9	42.9	44.3	43.7	43.7	40.8	37.9	34.2	34.2
107.5°	24.8	25.5	29.9	34.9	36.4	36.4	34.9	32.0	28.3	25.5	25.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.1	19.7	24.1	28.3	29.9	29.1	28.3	24.8	21.1	19.0	18.1
112.5°	13.8	14.6	19.0	22.5	24.1	24.1	22.5	19.0	15.4	13.8	13.8
115°	10.2	11.7	14.6	18.1	19.0	19.0	17.4	14.6	10.9	9.4	10.2
117.5°	8.1	8.8	11.7	14.6	14.6	14.6	13.1	10.2	8.1	7.2	7.2
120°	6.6	7.2	8.8	10.9	10.9	10.9	9.4	7.2	5.7	5.1	5.7
122.5°	5.1	5.7	6.6	8.1	8.1	8.1	7.2	5.1	3.7	3.7	4.4
125°	5.1	5.1	5.1	5.7	5.7	5.7	5.1	3.7	3.0	3.0	3.0
127.5°	4.4	4.4	4.4	4.4	4.4	3.7	3.0	2.2	1.4	2.2	2.2
130°	4.4	4.4	3.7	3.7	3.0	2.2	1.4	0.7	0.7	1.4	1.4
132.5°	3.7	3.7	3.7	3.0	2.2	1.4	0.7	0.0	0.0	0.7	0.7
135°	3.7	3.7	3.0	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0
137.5°	3.0	3.0	3.0	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.0	3.0	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)