

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: P266123

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-A-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-22)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5404 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

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

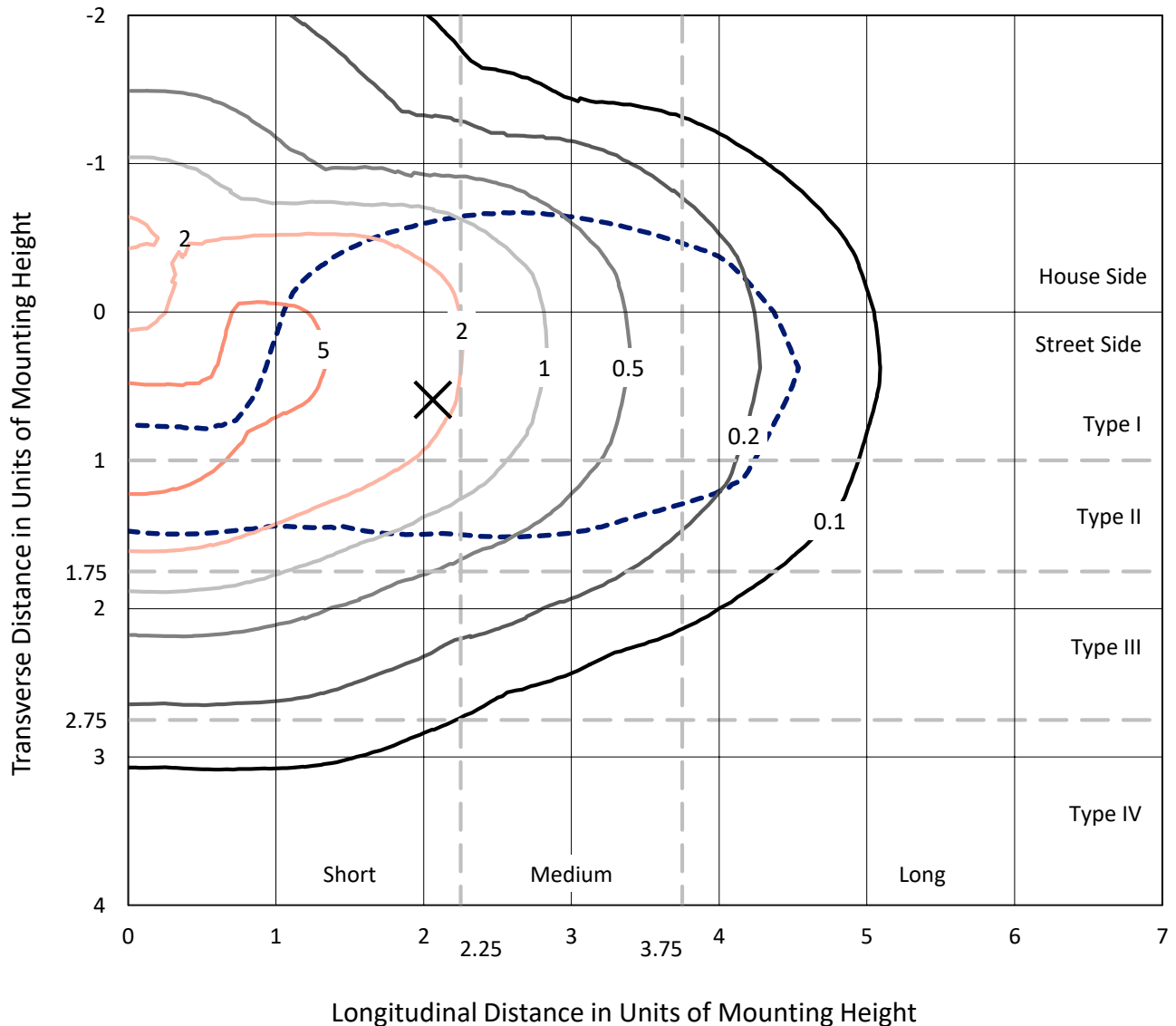


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

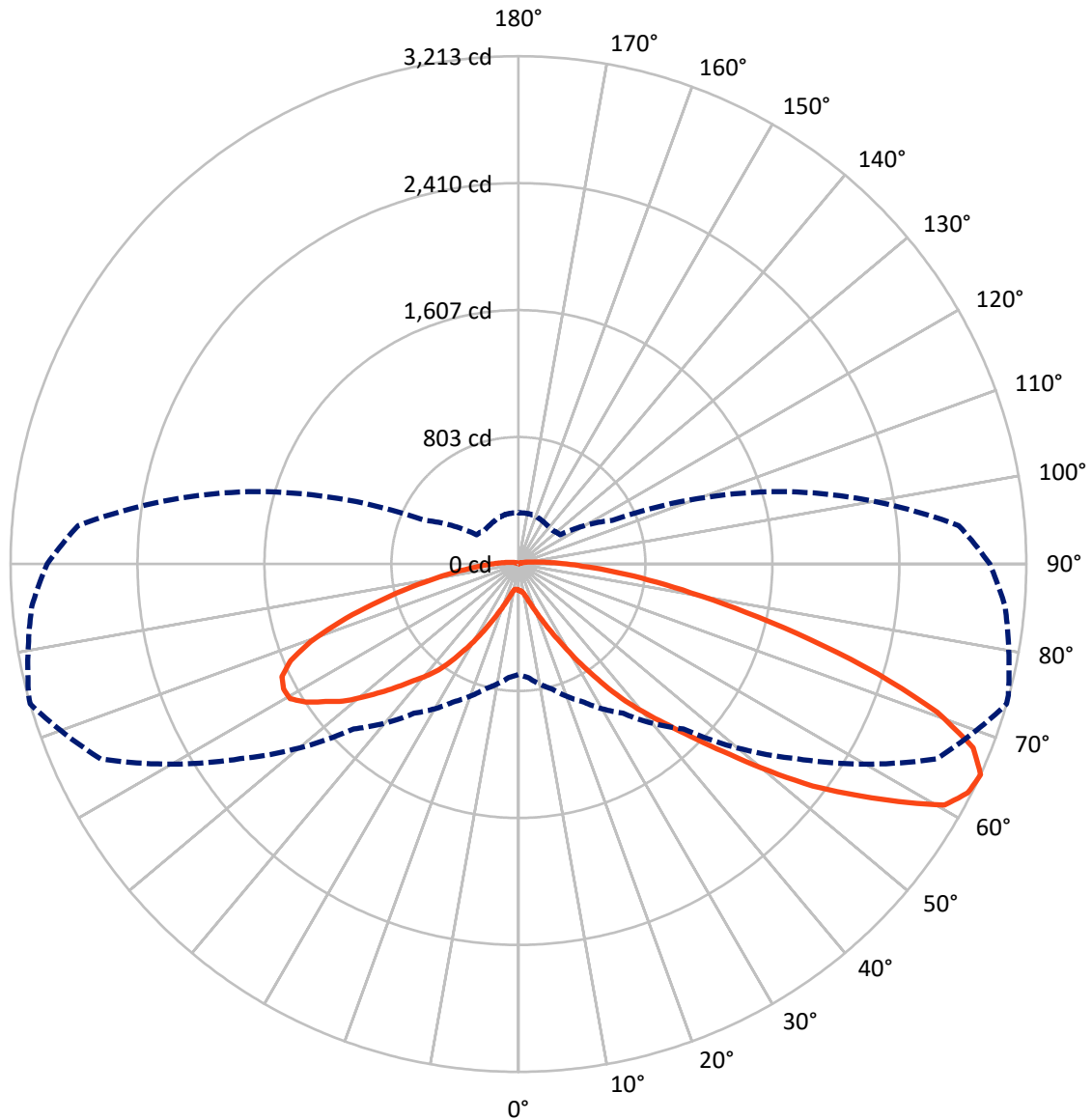


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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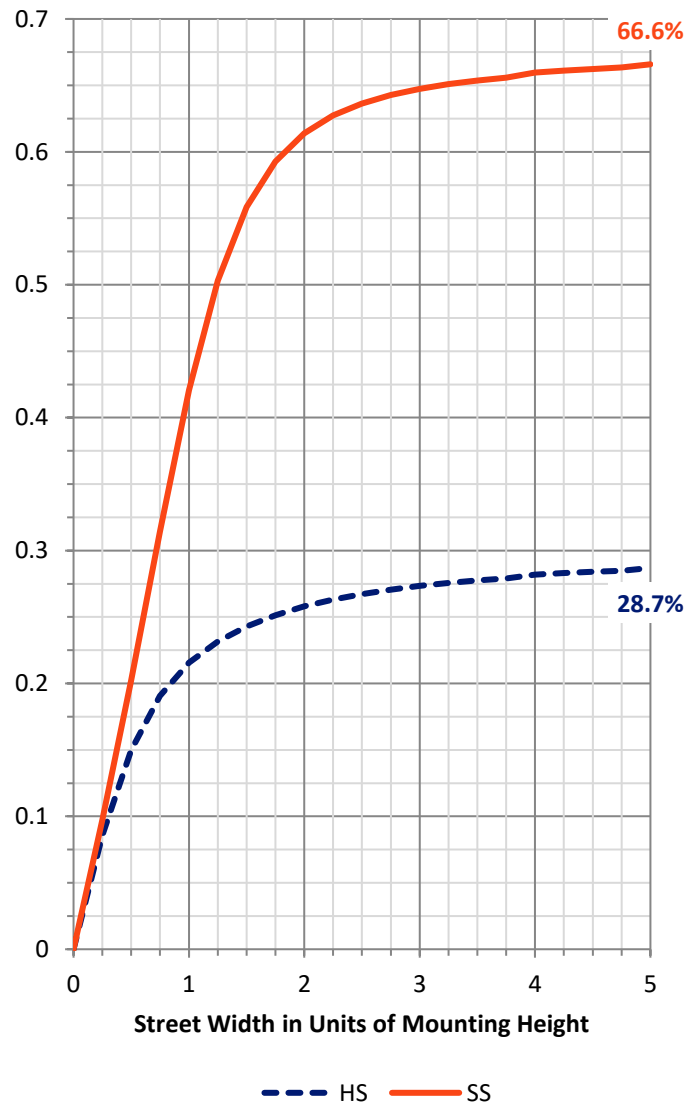
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1598.0	78.1	1676.1
	% Fixture	29.6	1.4	31.0
<b>Street Side</b>	Lumens	3648.3	79.6	3727.9
	% Fixture	67.5	1.5	69.0
<b>Total</b>	Lumens	5246.3	157.7	5404.0
	% Fixture	97.1	2.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	0.3
10°-20°	67.8	1.3
20°-30°	200.0	3.7
30°-40°	487.6	9.0
40°-50°	890.2	16.5
50°-60°	1266.7	23.4
60°-70°	1275.2	23.6
70°-80°	755.1	14.0
80°-90°	287.3	5.3
90°-100°	90.6	1.7
100°-110°	34.2	0.6
110°-120°	16.4	0.3
120°-130°	9.3	0.2
130°-140°	5.2	0.1
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5246.3	97.1
0°-180°	5404.0	100.0

**Coefficient of Utilization**



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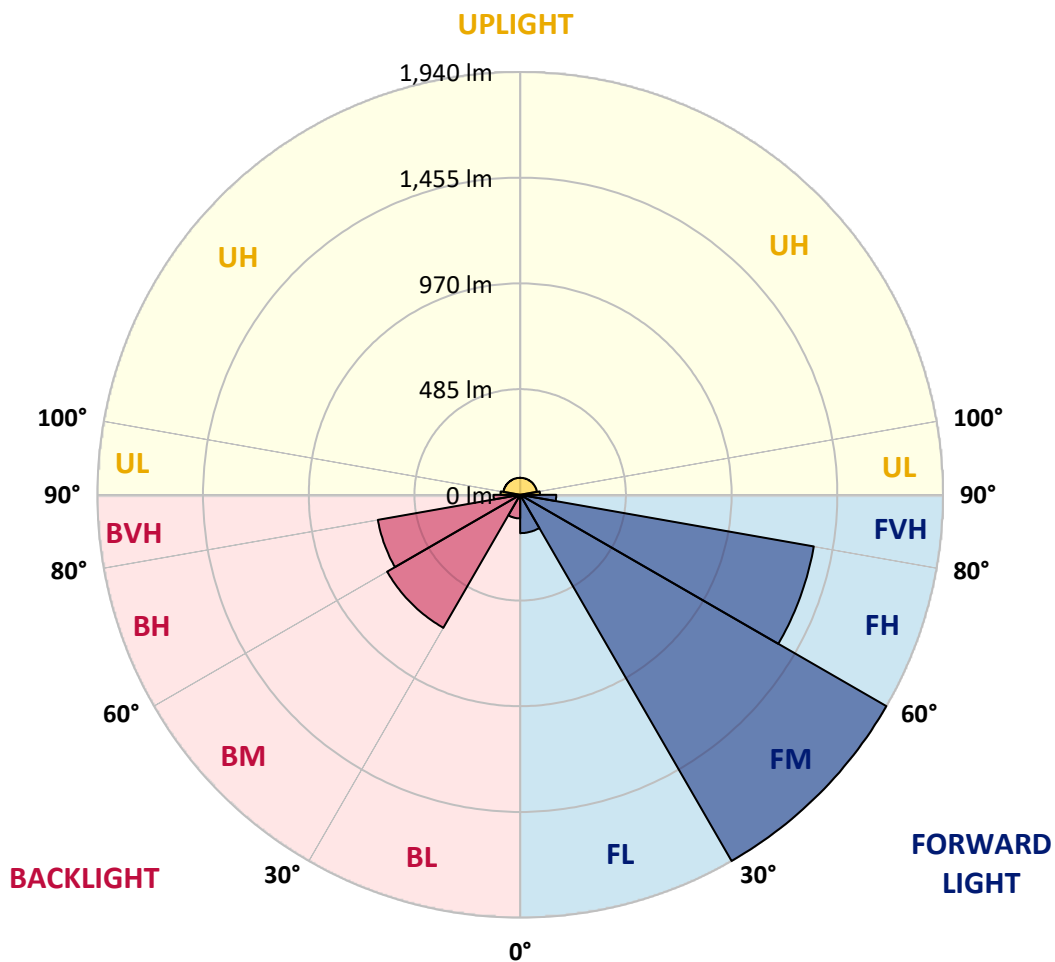
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.9	3.3			
FM (30°-60°)	1939.5	35.9			
FH (60°-80°)	1367.6	25.3			G1/1800
FVH (80°-90°)	165.3	3.1			G2/225
BL (0°-30°)	108.3	2.0	B0/110		
BM (30°-60°)	705.0	13.0	B1/1000		
BH (60°-80°)	662.7	12.3	B2/1000		G2/1000
BVH (80°-90°)	122.0	2.3			G2/225
UL (90°-100°)	90.6	1.7		U3/500	
UH (100°-180°)	78.1	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	178.0	177.2	178.0	177.2	177.2	176.0	174.0	171.3	168.8	168.2	166.1
5°	190.3	190.3	190.3	189.0	187.7	185.7	181.7	177.2	172.7	172.0	168.2
7.5°	207.1	207.8	206.5	203.8	201.3	196.1	191.5	185.1	179.2	178.6	172.7
10°	232.4	231.9	229.8	226.6	219.5	213.5	205.8	196.6	190.3	189.0	181.7
12.5°	267.4	266.8	263.7	254.5	244.8	233.6	226.0	217.5	211.0	210.4	203.8
15°	312.9	311.6	305.2	293.4	277.8	263.7	257.2	248.7	242.2	241.6	235.0
17.5°	368.8	367.4	358.5	341.5	320.1	303.8	296.7	287.0	279.8	280.5	270.7
20°	438.9	435.7	423.3	400.6	374.7	355.1	344.1	334.3	328.5	327.9	320.8
22.5°	529.1	524.6	502.5	475.3	442.9	416.2	401.9	391.5	387.6	388.2	381.8
25°	644.8	636.3	608.3	570.8	530.4	489.5	472.7	461.0	462.9	464.2	457.7
27.5°	781.7	777.8	735.0	689.4	629.8	577.3	561.6	549.9	553.9	557.0	551.9
30°	951.8	938.8	888.9	820.6	743.3	679.1	658.9	655.1	665.5	670.0	666.8
32.5°	1147.2	1136.1	1068.1	981.7	869.4	793.5	770.0	780.4	797.2	802.5	798.7
35°	1379.0	1369.2	1277.7	1159.6	1016.7	935.6	904.5	921.9	943.4	947.9	942.1
37.5°	1618.6	1613.4	1513.5	1358.2	1183.5	1078.4	1051.7	1077.1	1099.9	1103.7	1084.3
40°	1823.7	1828.3	1728.2	1556.3	1355.1	1230.4	1214.8	1237.4	1244.1	1245.9	1208.8
42.5°	1990.6	1993.2	1906.3	1732.2	1516.0	1388.8	1380.3	1392.1	1394.0	1394.0	1351.1
45°	2034.8	2049.0	1999.1	1866.6	1669.2	1542.6	1542.6	1569.2	1582.3	1586.1	1530.9
47.5°	2055.0	2065.4	2036.7	1941.2	1792.6	1691.2	1725.0	1786.8	1799.8	1806.9	1736.2
50°	2036.7	2051.0	2045.8	1984.1	1877.0	1827.7	1926.3	2034.1	2058.1	2065.4	1979.0
52.5°	1893.8	1922.5	1965.3	1976.4	1928.3	1941.2	2130.2	2312.0	2333.4	2337.3	2209.4
55°	1687.5	1721.2	1793.9	1871.2	1917.3	2016.7	2328.2	2580.8	2575.6	2578.2	2431.5
57.5°	1427.8	1460.9	1558.9	1681.0	1814.7	2033.6	2447.1	2798.9	2834.7	2841.8	2702.9
60°	1188.7	1202.4	1307.7	1445.9	1623.1	1947.7	2447.1	2980.8	3096.9	3083.3	2895.1
62.5°	913.4	941.5	1051.1	1201.8	1394.6	1738.1	2358.1	3038.5	3190.5	3171.6	2994.9
65°	699.2	722.0	818.7	960.8	1153.1	1475.1	2147.0	2917.2	3213.1	3208.7	3091.2
67.5°	545.5	548.7	631.7	753.1	912.1	1190.1	1801.7	2681.4	3103.5	3102.8	3032.7
70°	412.3	415.6	483.1	595.3	704.5	910.3	1438.7	2297.8	2812.0	2803.5	2835.9
72.5°	314.9	318.8	372.0	461.5	541.5	679.7	1096.7	1847.9	2374.3	2386.6	2434.8
75°	243.5	247.4	289.0	358.5	414.8	498.6	792.0	1391.4	1903.6	1923.8	2024.4
77.5°	187.7	191.5	224.7	277.2	318.8	365.5	551.9	1020.7	1472.5	1498.6	1610.8
80°	144.2	148.0	177.2	215.0	248.7	277.2	388.8	731.1	1108.2	1137.6	1268.0
82.5°	111.7	115.5	140.2	170.8	199.3	218.7	283.1	520.7	826.5	850.5	986.2
85°	86.3	89.7	110.4	134.3	161.7	179.2	216.9	368.8	593.4	613.5	720.7
87.5°	66.8	69.4	86.3	105.8	131.2	148.7	172.7	268.1	407.1	422.7	494.1
90°	50.7	53.2	66.8	81.8	103.8	122.7	138.2	192.9	279.8	289.0	325.2
92.5°	37.0	38.9	49.9	61.1	79.2	97.3	110.4	142.8	190.3	194.8	210.4
95°	27.8	29.3	37.0	45.5	59.7	75.3	85.7	105.2	127.9	130.6	135.7
97.5°	22.1	22.7	28.6	35.0	46.2	58.4	66.3	77.3	90.2	91.5	94.1
100°	18.9	19.5	24.1	29.3	37.0	46.7	52.6	59.7	66.8	67.6	69.4
102.5°	16.2	16.9	20.1	24.1	31.3	38.9	42.8	47.4	51.4	50.7	52.6
105°	14.4	14.4	17.5	20.8	26.6	32.5	35.0	37.6	38.9	38.9	40.2
107.5°	12.3	12.9	14.9	18.1	23.4	27.8	29.3	29.9	29.9	29.9	31.3
110°	11.0	11.0	12.9	15.6	20.1	24.1	24.7	24.1	23.4	23.4	24.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.7	9.7	11.0	14.4	18.1	21.4	21.4	20.1	18.1	18.1	19.5
115°	8.4	9.2	9.7	12.9	16.9	19.5	18.9	16.9	14.9	14.9	16.2
117.5°	7.7	7.7	9.2	11.7	15.6	17.5	16.9	14.4	12.3	12.3	13.7
120°	7.7	7.7	8.4	11.0	14.4	16.2	14.9	12.3	10.4	10.4	12.3
122.5°	7.7	7.7	8.4	10.4	12.9	14.4	13.7	11.0	9.2	9.2	10.4
125°	8.4	8.4	8.4	10.4	12.3	13.7	12.3	10.4	8.4	8.4	9.2
127.5°	9.2	9.2	9.2	10.4	11.7	12.3	11.0	9.2	7.7	7.7	8.4
130°	9.7	9.7	9.2	9.7	11.0	11.0	10.4	8.4	7.1	7.1	8.4
132.5°	9.7	9.7	9.2	9.2	9.7	9.7	9.2	7.1	6.5	6.5	7.7
135°	9.2	9.2	8.4	8.4	8.4	8.4	7.1	5.8	5.8	5.8	6.5
137.5°	8.4	8.4	7.7	7.7	7.7	7.1	5.8	4.5	4.5	4.5	5.8
140°	7.1	7.1	7.1	6.5	6.5	5.8	4.5	4.0	4.0	4.0	4.5
142.5°	6.5	5.8	5.8	5.2	5.2	4.5	3.2	2.5	2.5	2.5	3.2
145°	5.2	5.2	4.5	4.0	4.0	3.2	1.9	1.3	1.9	1.9	2.5
147.5°	4.0	4.0	3.2	3.2	2.5	1.9	0.7	1.3	1.3	1.3	1.9
150°	2.5	2.5	2.5	1.9	1.3	0.7	0.7	0.7	0.7	1.3	1.3
152.5°	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1	166.1
2.5°	164.8	164.3	163.0	160.3	159.7	158.5	156.5	155.9	154.5	155.1	154.5
5°	166.1	164.8	160.3	157.7	154.5	152.6	150.6	149.3	148.0	147.4	146.8
7.5°	169.5	167.5	162.4	157.2	152.6	149.3	146.8	144.7	143.5	142.8	142.2
10°	178.0	175.3	167.5	160.3	153.3	148.7	145.4	143.5	142.2	142.2	142.2
12.5°	198.6	195.4	183.8	171.3	159.7	152.6	148.7	151.3	154.5	157.7	159.7
15°	228.6	224.7	210.4	192.9	175.3	164.8	165.6	170.8	174.6	178.6	179.2
17.5°	266.2	261.0	242.8	219.5	196.1	187.7	185.1	190.3	196.6	200.6	202.6
20°	312.9	306.4	283.1	250.5	227.2	215.0	209.0	211.0	218.2	224.7	225.2
22.5°	372.6	360.9	333.7	289.0	259.7	240.8	232.4	232.4	242.2	250.5	252.0
25°	448.7	437.7	394.0	337.7	294.7	266.2	256.5	258.4	271.4	282.4	283.8
27.5°	542.1	526.5	469.5	395.4	331.1	288.3	277.8	283.1	296.0	307.8	309.0
30°	653.7	629.2	556.4	457.7	366.9	310.4	294.1	300.7	312.3	324.6	324.6
32.5°	780.4	751.3	654.4	523.9	400.6	325.9	303.2	311.6	323.3	335.6	335.0
35°	917.3	883.7	756.5	590.8	431.0	337.0	307.8	317.6	331.1	346.0	346.0
37.5°	1056.3	1021.9	859.0	650.6	452.6	338.2	309.0	323.3	341.5	355.1	353.8
40°	1170.6	1123.9	942.1	693.4	461.5	335.0	311.1	326.5	340.2	346.0	344.8
42.5°	1307.7	1247.8	1024.5	715.5	455.8	329.1	311.6	322.8	329.1	329.1	326.5
45°	1473.2	1404.9	1127.2	738.9	440.9	322.8	308.4	314.9	314.9	309.6	305.9
47.5°	1673.8	1581.6	1235.6	759.6	425.9	316.8	305.2	307.8	300.7	292.8	290.2
50°	1907.6	1795.8	1355.1	774.6	411.7	312.3	303.8	302.5	297.3	289.6	287.0
52.5°	2123.1	1997.8	1479.0	786.2	396.7	310.4	303.8	303.8	298.6	287.5	285.0
55°	2335.5	2201.7	1578.3	779.8	380.4	311.1	306.4	307.8	300.7	289.6	287.0
57.5°	2602.8	2458.8	1696.4	768.1	363.5	312.3	309.0	310.4	303.8	293.4	291.0
60°	2788.6	2628.9	1780.9	749.8	348.1	312.3	310.4	312.3	310.4	305.2	303.2
62.5°	2898.9	2721.1	1790.1	708.4	336.3	309.6	309.0	315.6	320.1	318.1	316.3
65°	2982.1	2796.3	1769.9	654.4	322.8	302.5	305.9	316.3	324.0	324.6	324.0
67.5°	2917.8	2726.3	1672.6	591.4	306.4	293.4	299.9	311.6	323.3	327.3	326.5
70°	2720.3	2532.1	1505.0	514.2	287.5	279.2	288.3	303.8	316.3	320.8	319.4
72.5°	2314.7	2146.5	1274.4	440.2	265.5	260.4	270.1	288.3	298.6	301.2	299.3
75°	1915.9	1768.0	1023.2	362.9	241.6	237.1	246.0	260.4	267.4	267.4	264.2
77.5°	1531.6	1394.0	805.7	301.2	216.9	211.7	220.2	228.6	229.8	225.2	222.1
80°	1203.1	1073.3	610.3	249.3	191.5	186.4	189.0	194.2	196.1	187.7	183.1
82.5°	933.0	816.7	458.3	206.5	166.8	160.3	162.4	164.8	165.6	155.1	149.9
85°	672.7	584.9	336.3	174.0	143.5	137.6	137.0	137.6	138.2	129.1	124.7
87.5°	461.5	400.6	246.0	146.1	124.0	118.1	116.9	116.2	116.2	106.4	102.0
90°	303.8	268.9	183.1	123.3	105.2	99.4	96.7	96.1	94.9	84.4	80.5
92.5°	197.4	180.5	135.7	101.2	87.0	81.8	78.5	76.6	74.6	64.9	61.1
95°	129.1	122.1	102.5	81.1	70.1	65.5	63.1	60.4	57.9	49.3	46.7
97.5°	91.5	88.9	79.9	65.5	55.9	52.6	50.7	48.7	46.7	39.6	38.3
100°	68.8	68.2	64.3	53.9	45.5	43.5	41.5	40.2	38.9	33.7	32.5
102.5°	53.2	53.9	52.6	44.1	38.3	36.3	35.0	33.7	33.1	29.3	28.6
105°	41.5	42.8	42.2	37.0	32.5	31.3	29.9	28.6	27.8	25.3	25.3
107.5°	32.5	33.7	34.5	30.5	27.8	26.6	25.3	24.1	24.1	22.7	22.7
110°	26.1	27.3	28.6	26.1	24.1	23.4	22.1	20.8	20.1	20.1	20.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.4	22.1	23.4	22.1	20.8	20.1	18.9	17.5	17.5	17.5	18.1
115°	17.5	18.9	19.5	18.9	18.1	18.1	16.2	14.9	14.4	15.6	15.6
117.5°	14.9	16.2	16.9	16.2	16.2	16.2	14.4	12.9	12.3	12.9	13.7
120°	12.9	13.7	14.4	14.4	14.4	14.4	12.9	11.0	10.4	11.7	11.7
122.5°	11.0	11.7	12.3	12.9	12.9	12.3	11.0	9.7	9.2	10.4	10.4
125°	9.7	10.4	11.0	11.7	11.7	11.0	9.7	8.4	7.7	9.2	9.2
127.5°	9.2	9.7	10.4	10.4	10.4	9.7	8.4	7.1	7.1	7.7	8.4
130°	9.2	9.2	9.7	9.7	9.2	8.4	7.1	5.8	5.8	7.1	7.1
132.5°	8.4	8.4	8.4	8.4	7.7	7.1	5.8	5.2	5.2	6.5	6.5
135°	7.1	7.1	7.1	7.1	6.5	5.8	5.2	4.0	4.5	5.2	5.2
137.5°	5.8	5.8	5.8	5.8	5.2	4.5	4.0	3.2	3.2	4.0	4.5
140°	4.5	5.2	5.2	4.5	4.0	4.0	2.5	1.9	2.5	3.2	3.2
142.5°	4.0	4.0	4.0	3.2	3.2	2.5	1.9	1.3	1.9	2.5	2.5
145°	3.2	3.2	3.2	3.2	2.5	1.3	0.7	0.7	1.3	1.3	1.3
147.5°	2.5	2.5	2.5	2.5	1.9	1.3	0.0	0.0	0.7	0.7	0.7
150°	1.9	1.9	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	0.7	0.7	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)