

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: P416087

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2U-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5083.1 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - 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

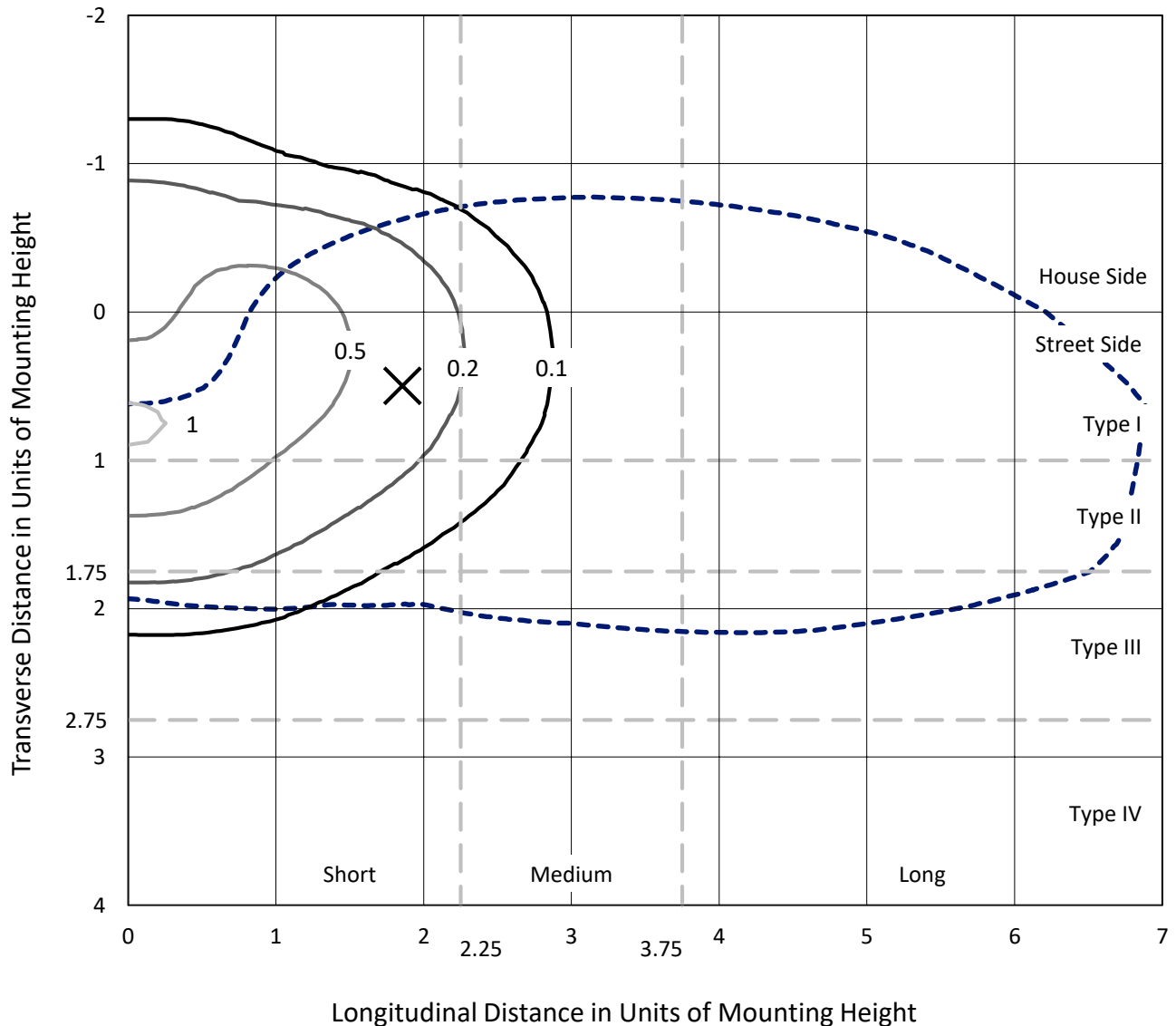


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

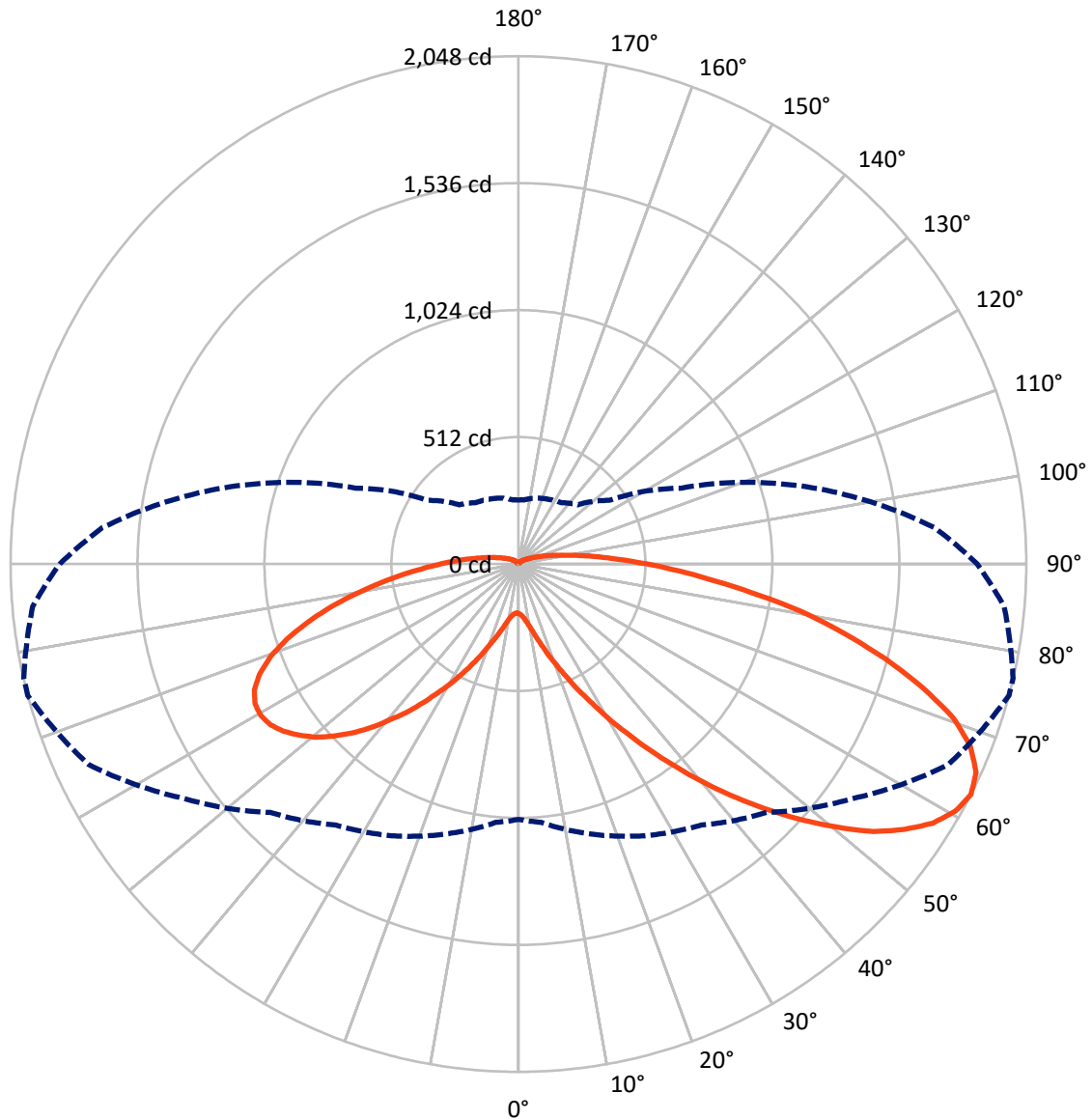


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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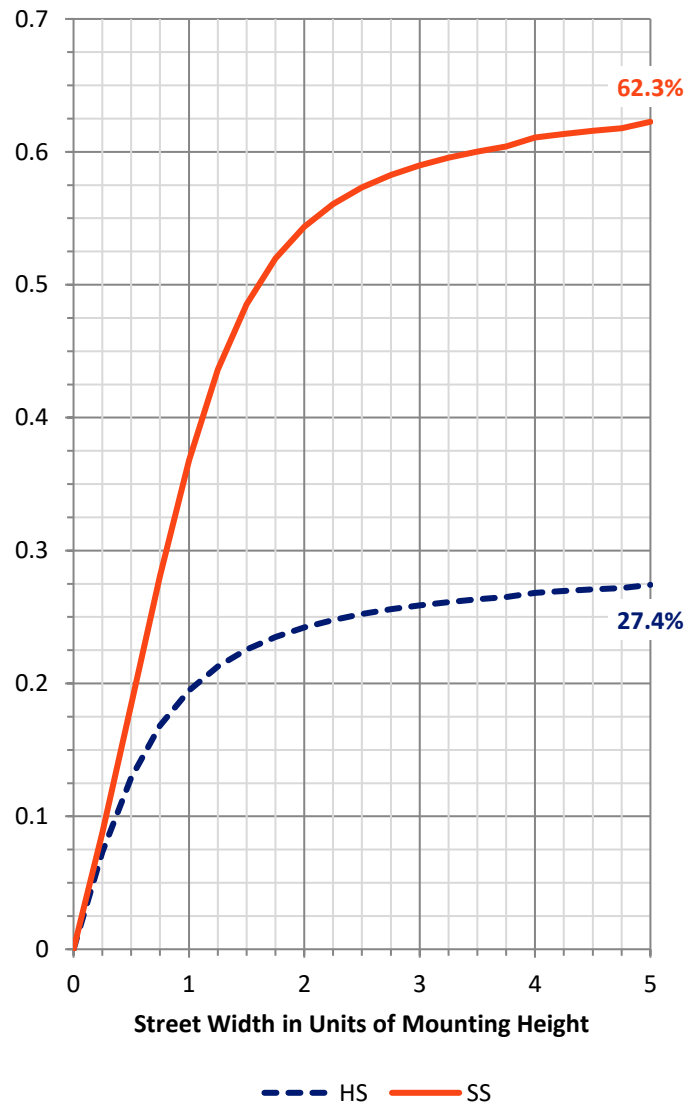
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1453.6	154.6	1608.2
	% Fixture	28.6	3.0	31.6
<b>Street Side</b>	Lumens	3262.6	212.2	3474.8
	% Fixture	64.2	4.2	68.4
<b>Total</b>	Lumens	4716.2	366.8	5083.1
	% Fixture	92.8	7.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	0.4
10°-20°	88.4	1.7
20°-30°	228.9	4.5
30°-40°	468.3	9.2
40°-50°	776.7	15.3
50°-60°	1007.6	19.8
60°-70°	992.4	19.5
70°-80°	729.2	14.3
80°-90°	403.6	7.9
90°-100°	190.6	3.7
100°-110°	91.1	1.8
110°-120°	46.5	0.9
120°-130°	24.1	0.5
130°-140°	11.0	0.2
140°-150°	3.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4716.2	92.8
0°-180°	5083.1	100.0



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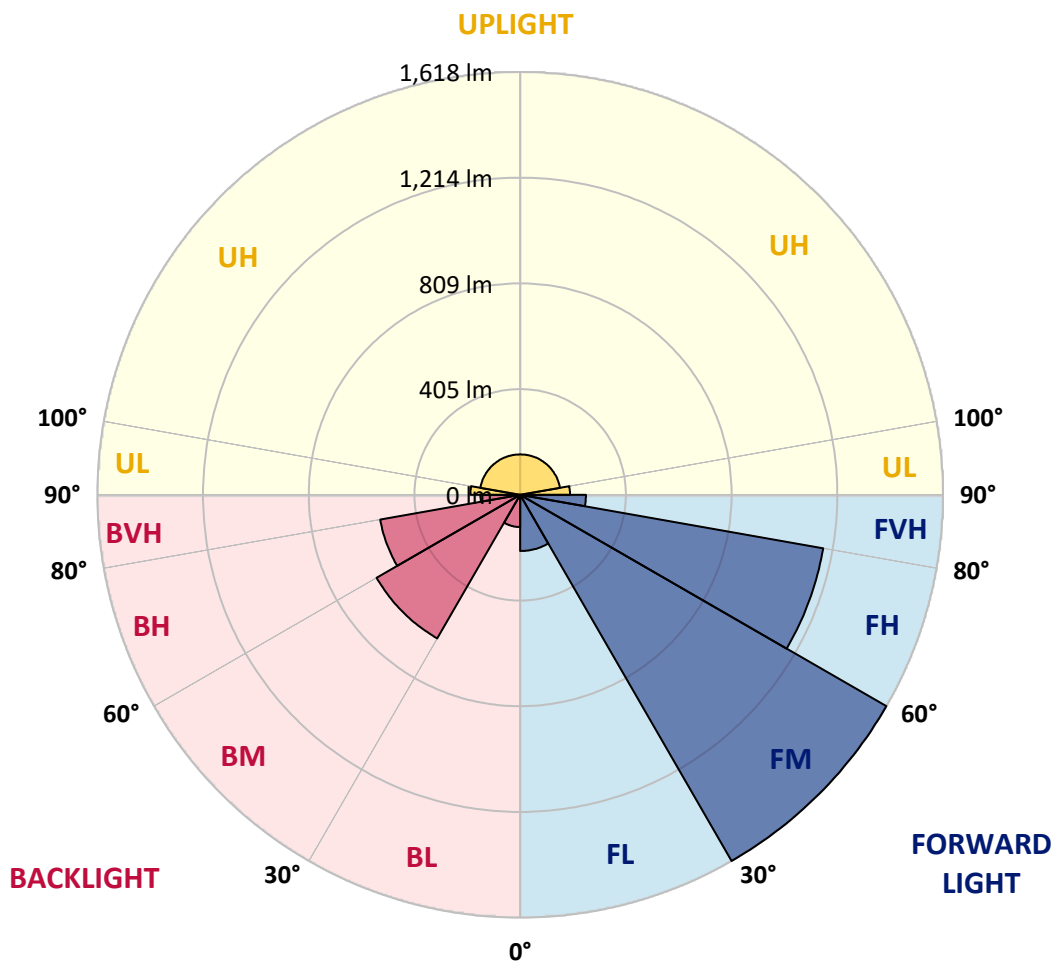
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.0	4.2			
FM	(30°-60°)	1618.2	31.8			
FH	(60°-80°)	1177.9	23.2			G1/1800
FVH	(80°-90°)	251.5	4.9			G3/500
BL	(0°-30°)	123.3	2.4	B1/500		
BM	(30°-60°)	634.5	12.5	B1/1000		
BH	(60°-80°)	543.8	10.7	B2/1000		G2/1000
BVH	(80°-90°)	152.0	3.0			G2/225
UL	(90°-100°)	190.6	3.7		U3/500	
UH	(100°-180°)	154.6	3.0		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7
2.5°	222.5	220.7	219.5	217.7	216.5	214.1	211.7	208.1	205.1	204.5	202.1
5°	245.9	242.9	242.9	239.9	235.7	232.7	227.9	221.9	217.1	214.1	211.7
7.5°	275.8	273.4	270.5	268.1	263.9	258.5	251.9	244.1	234.5	232.7	226.7
10°	309.4	308.2	305.8	301.0	295.6	288.4	279.4	269.9	259.1	257.3	247.1
12.5°	353.8	353.8	350.2	343.6	335.8	322.6	314.8	304.6	292.0	290.2	275.8
15°	408.4	406.0	401.2	389.8	380.8	370.0	360.4	347.2	330.4	327.4	314.2
17.5°	468.3	463.5	461.1	450.4	438.4	425.2	412.0	397.6	379.0	374.2	358.6
20°	535.5	538.5	529.5	517.5	499.5	486.3	471.3	452.8	432.4	428.8	410.2
22.5°	620.1	617.7	605.1	588.3	570.9	556.5	537.3	518.7	491.1	487.5	465.9
25°	713.6	711.2	695.0	674.0	654.2	628.5	606.3	586.5	563.7	558.3	532.5
27.5°	805.4	817.4	792.8	767.0	743.6	714.8	688.4	663.2	637.4	633.3	606.3
30°	930.7	933.7	904.9	869.5	837.7	801.8	774.2	751.4	729.2	715.4	690.8
32.5°	1061.4	1051.8	1029.0	985.9	935.5	895.3	864.7	843.7	822.7	815.6	779.6
35°	1190.9	1190.9	1155.6	1097.4	1031.4	990.7	960.7	948.1	928.9	917.5	877.3
37.5°	1318.1	1316.3	1280.3	1211.9	1144.2	1088.4	1069.2	1054.8	1041.6	1030.2	981.1
40°	1443.4	1440.4	1397.2	1330.7	1251.5	1193.9	1178.4	1180.8	1165.2	1149.6	1100.4
42.5°	1544.2	1543.0	1508.8	1442.2	1347.5	1296.5	1280.9	1295.3	1288.1	1273.1	1215.5
45°	1624.5	1619.1	1592.1	1524.4	1438.6	1384.6	1388.8	1423.6	1415.2	1408.0	1336.7
47.5°	1658.1	1657.5	1642.5	1583.7	1504.6	1466.8	1490.8	1539.4	1542.4	1536.4	1456.6
50°	1649.1	1651.5	1650.3	1614.3	1549.5	1530.4	1576.5	1659.3	1668.9	1662.9	1580.7
52.5°	1596.3	1597.5	1617.3	1601.7	1565.1	1570.5	1652.7	1758.8	1792.4	1776.2	1690.5
55°	1484.8	1499.8	1538.8	1547.7	1543.0	1579.5	1698.3	1838.0	1889.0	1883.6	1785.8
57.5°	1369.6	1362.5	1418.2	1461.4	1486.6	1555.5	1713.3	1894.4	1971.1	1963.9	1871.0
60°	1201.7	1212.5	1280.9	1342.7	1396.0	1498.0	1699.5	1924.3	2024.5	2020.3	1933.3
62.5°	1030.2	1045.8	1126.8	1208.9	1285.1	1416.4	1647.9	1912.9	2047.9	2047.3	1966.3
65°	868.9	885.7	960.1	1059.6	1156.8	1306.1	1557.9	1864.4	2028.1	2029.3	1960.3
67.5°	725.6	734.6	812.6	922.3	1017.0	1176.6	1442.2	1768.4	1965.7	1972.3	1912.3
70°	597.9	604.5	680.0	777.8	887.5	1032.0	1301.9	1645.5	1861.4	1863.8	1826.0
72.5°	490.5	496.5	569.1	656.0	757.4	905.5	1157.4	1477.6	1704.3	1728.3	1692.9
75°	392.2	404.2	466.5	551.1	641.6	773.6	1004.4	1297.1	1528.0	1548.3	1543.0
77.5°	319.6	335.8	385.6	458.1	541.5	656.0	851.5	1119.0	1341.5	1358.3	1362.5
80°	257.9	269.9	319.6	383.8	454.6	554.1	711.8	945.1	1153.8	1155.6	1153.8
82.5°	209.3	218.3	262.7	320.8	383.2	465.9	596.7	788.6	946.3	965.5	969.1
85°	170.3	176.9	215.3	267.5	320.2	390.4	492.3	644.0	768.8	788.6	782.0
87.5°	136.7	145.7	176.3	220.7	269.9	325.6	409.6	521.1	620.7	629.1	627.9
90°	112.1	115.1	145.7	183.5	227.9	270.5	334.6	419.8	494.1	509.1	498.9
92.5°	90.6	95.3	121.1	155.3	190.1	227.3	277.6	344.8	391.0	400.0	395.2
95°	76.2	78.6	101.9	130.1	160.1	193.7	229.1	275.2	309.4	312.4	313.6
97.5°	63.6	66.0	85.2	110.9	136.7	163.7	190.7	224.9	247.7	247.1	245.3
100°	54.6	55.8	73.2	96.5	119.3	139.1	160.1	181.1	194.9	199.1	192.5
102.5°	47.4	48.0	63.0	83.4	102.5	119.9	135.5	150.5	155.9	156.5	153.5
105°	42.0	42.6	55.2	72.0	89.4	102.5	114.5	123.5	125.9	125.9	122.3
107.5°	37.2	37.8	47.4	63.6	79.2	90.0	98.3	103.1	101.9	101.3	98.9
110°	34.2	34.2	42.0	56.4	69.0	78.6	85.2	85.8	82.8	82.8	80.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	31.2	31.2	37.2	49.8	61.2	69.6	73.8	72.6	68.4	67.2	67.2
115°	28.8	28.8	33.0	43.8	54.6	61.2	64.2	61.2	56.4	55.8	55.2
117.5°	27.0	27.0	30.0	39.0	48.0	54.0	55.8	52.8	47.4	46.8	46.8
120°	25.2	25.2	27.6	34.2	42.6	47.4	48.6	45.0	39.6	39.6	40.2
122.5°	24.0	24.0	25.2	30.6	37.8	42.0	42.0	38.4	33.6	33.6	34.2
125°	22.8	22.8	23.4	27.0	33.0	36.6	36.0	31.8	28.8	28.8	29.4
127.5°	21.6	21.6	21.6	24.0	28.8	31.8	31.2	27.0	24.6	24.6	25.8
130°	20.4	20.4	19.8	21.0	24.6	27.0	25.8	22.8	21.0	21.0	22.2
132.5°	19.2	19.2	18.0	18.6	21.0	22.2	21.0	18.6	18.0	18.0	18.6
135°	18.0	17.4	16.8	16.2	17.4	18.0	16.8	15.0	15.0	15.0	16.2
137.5°	16.2	16.2	15.0	13.8	13.8	13.8	13.2	11.4	12.0	12.6	13.2
140°	15.0	15.0	13.8	12.0	10.8	10.8	9.6	9.0	9.6	10.2	10.8
142.5°	13.2	13.2	12.0	10.2	8.4	7.2	6.6	6.0	7.2	7.8	7.8
145°	11.4	11.4	10.2	7.8	6.0	4.2	3.6	4.2	4.8	5.4	6.0
147.5°	9.6	9.0	7.8	6.0	3.0	1.8	1.2	2.4	3.0	3.0	3.6
150°	7.2	7.2	6.0	4.2	1.8	0.0	0.6	1.2	1.8	1.8	2.4
152.5°	5.4	4.8	4.2	2.4	0.0	0.0	0.0	0.0	0.6	1.2	1.2
155°	3.0	3.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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°	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7	199.7
2.5°	200.9	199.1	196.7	194.9	193.1	190.7	189.5	187.7	187.7	187.7	188.9
5°	208.1	205.7	200.3	195.5	190.7	187.1	183.5	181.1	179.9	178.7	179.3
7.5°	221.3	218.3	209.9	201.5	194.9	188.3	183.5	179.3	177.5	176.9	176.9
10°	241.7	236.3	223.7	212.3	202.7	193.7	187.1	181.7	179.3	177.5	177.5
12.5°	269.3	261.5	246.5	230.9	216.5	204.5	194.9	190.7	188.9	187.7	188.3
15°	305.8	297.4	274.6	254.3	235.7	219.5	210.5	206.3	203.9	202.7	202.1
17.5°	348.4	336.4	308.8	282.4	259.1	241.1	229.7	223.1	218.9	216.5	217.1
20°	395.2	379.6	344.2	315.4	285.4	267.5	250.1	239.3	233.9	232.7	233.3
22.5°	448.0	431.8	391.0	349.0	317.8	290.8	269.9	256.1	249.5	248.9	248.9
25°	510.3	488.7	440.8	388.0	347.8	313.6	289.0	272.3	265.1	262.7	262.7
27.5°	581.1	552.3	492.9	432.4	377.2	334.0	305.2	286.0	278.2	276.4	276.4
30°	659.0	629.1	553.5	474.3	405.4	352.0	319.6	299.2	289.0	286.6	287.2
32.5°	744.8	705.8	610.5	519.3	430.0	366.4	329.2	308.8	297.4	294.4	294.4
35°	837.7	792.2	678.2	563.1	453.4	377.8	336.4	315.4	302.8	299.8	299.2
37.5°	942.1	885.1	748.4	603.3	471.9	385.0	341.2	319.6	305.8	301.6	301.0
40°	1051.2	985.9	813.2	639.8	487.5	389.2	342.4	321.4	307.0	300.4	299.8
42.5°	1153.2	1081.2	886.9	673.4	497.1	391.0	341.8	320.8	305.8	296.8	296.2
45°	1265.9	1177.8	954.7	704.0	503.1	389.8	339.4	317.8	303.4	292.0	290.8
47.5°	1384.0	1282.7	1017.0	726.2	505.5	386.2	336.4	315.4	299.2	286.6	285.4
50°	1490.8	1372.6	1075.2	743.6	504.3	380.8	331.6	311.8	295.6	281.2	280.0
52.5°	1595.1	1466.8	1120.8	753.2	498.3	374.8	327.4	307.6	291.4	276.4	274.6
55°	1689.9	1541.2	1161.6	757.4	490.5	367.0	321.4	304.0	287.8	271.7	269.9
57.5°	1763.0	1611.3	1191.5	752.0	478.5	358.0	315.4	298.6	283.6	267.5	265.7
60°	1817.0	1657.5	1205.3	741.8	464.7	347.8	308.2	293.2	279.4	263.9	262.1
62.5°	1849.4	1683.3	1202.3	723.8	447.4	337.6	301.6	287.8	275.2	259.7	258.5
65°	1844.0	1673.1	1179.6	695.0	428.8	324.4	291.4	280.6	269.3	254.9	253.1
67.5°	1800.2	1631.7	1133.4	659.0	407.8	311.2	281.8	271.1	261.5	248.9	245.3
70°	1722.3	1555.5	1066.8	614.1	383.8	296.2	270.5	260.3	251.9	239.9	236.3
72.5°	1590.9	1444.6	982.3	567.3	358.0	278.8	255.5	247.1	238.1	228.5	224.3
75°	1441.0	1305.5	882.7	512.1	330.4	261.5	239.9	231.5	223.1	212.9	209.3
77.5°	1277.9	1147.8	779.6	463.5	302.2	241.7	222.5	215.3	206.9	196.1	191.9
80°	1083.0	979.3	669.8	407.8	274.0	222.5	204.5	196.7	187.7	177.5	173.3
82.5°	907.3	815.6	568.5	357.4	245.9	202.7	187.1	175.7	167.3	157.1	149.9
85°	741.8	677.6	476.7	307.0	219.5	182.3	166.7	157.1	147.5	135.5	130.7
87.5°	596.7	542.1	391.6	265.1	193.7	162.5	148.1	138.5	127.7	115.1	110.9
90°	471.9	438.4	325.6	227.9	171.5	145.7	131.3	121.1	109.1	97.7	95.3
92.5°	374.2	350.8	269.3	193.7	151.1	128.9	115.7	105.5	93.5	82.2	78.6
95°	301.0	278.2	220.7	169.1	132.5	113.3	101.9	92.3	80.4	69.0	66.6
97.5°	240.5	222.5	181.1	142.1	116.3	100.7	90.6	80.4	68.4	58.2	57.0
100°	188.3	177.5	149.9	122.3	102.5	89.4	79.8	70.8	58.8	48.6	48.0
102.5°	150.5	144.5	124.7	105.5	90.0	79.2	71.4	61.8	51.0	41.4	40.8
105°	121.1	117.5	103.7	90.6	79.8	70.8	63.6	54.0	43.2	35.4	35.4
107.5°	98.3	95.3	87.0	77.4	70.2	63.6	55.8	47.4	37.2	30.6	30.6
110°	80.4	79.2	73.8	67.2	61.8	56.4	49.2	40.8	31.8	27.0	27.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	67.2	66.6	62.4	58.8	54.6	49.8	43.8	36.0	27.6	23.4	24.0
115°	55.8	55.8	53.4	51.0	48.0	44.4	38.4	30.6	23.4	21.0	21.0
117.5°	47.4	46.8	46.2	44.4	42.6	39.0	33.0	26.4	19.8	18.6	19.2
120°	40.8	40.8	39.6	39.0	37.2	33.6	28.8	22.2	16.8	16.8	16.8
122.5°	34.8	35.4	34.2	33.6	32.4	30.0	24.6	18.6	15.0	14.4	15.0
125°	30.6	30.6	30.0	29.4	28.2	25.2	21.0	15.6	12.6	13.2	13.2
127.5°	25.8	26.4	25.8	25.2	24.6	21.6	17.4	12.6	10.8	11.4	11.4
130°	22.8	22.8	22.2	21.6	20.4	18.0	14.4	10.2	9.6	10.2	10.2
132.5°	19.2	19.2	19.2	18.0	16.8	15.0	11.4	8.4	7.8	9.0	9.0
135°	16.2	16.2	16.2	15.0	13.8	11.4	8.4	6.6	6.6	7.8	7.8
137.5°	13.2	13.8	13.2	12.0	10.8	9.0	6.6	4.8	5.4	6.6	6.6
140°	10.8	10.8	10.2	9.6	7.8	6.0	4.2	3.6	4.8	5.4	5.4
142.5°	8.4	8.4	7.8	6.6	5.4	4.2	2.4	2.4	3.6	4.2	4.2
145°	6.0	6.0	5.4	4.2	3.0	1.8	0.6	1.2	2.4	3.0	3.0
147.5°	3.6	3.6	3.6	3.0	1.8	0.6	0.0	0.6	1.2	1.8	1.8
150°	2.4	2.4	2.4	1.8	1.2	0.0	0.0	0.0	0.6	1.2	1.2
152.5°	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)