

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: P416139

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416139
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-PA1-60-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5494 lumens
Efficiency: N/A
Efficacy: 85.8 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

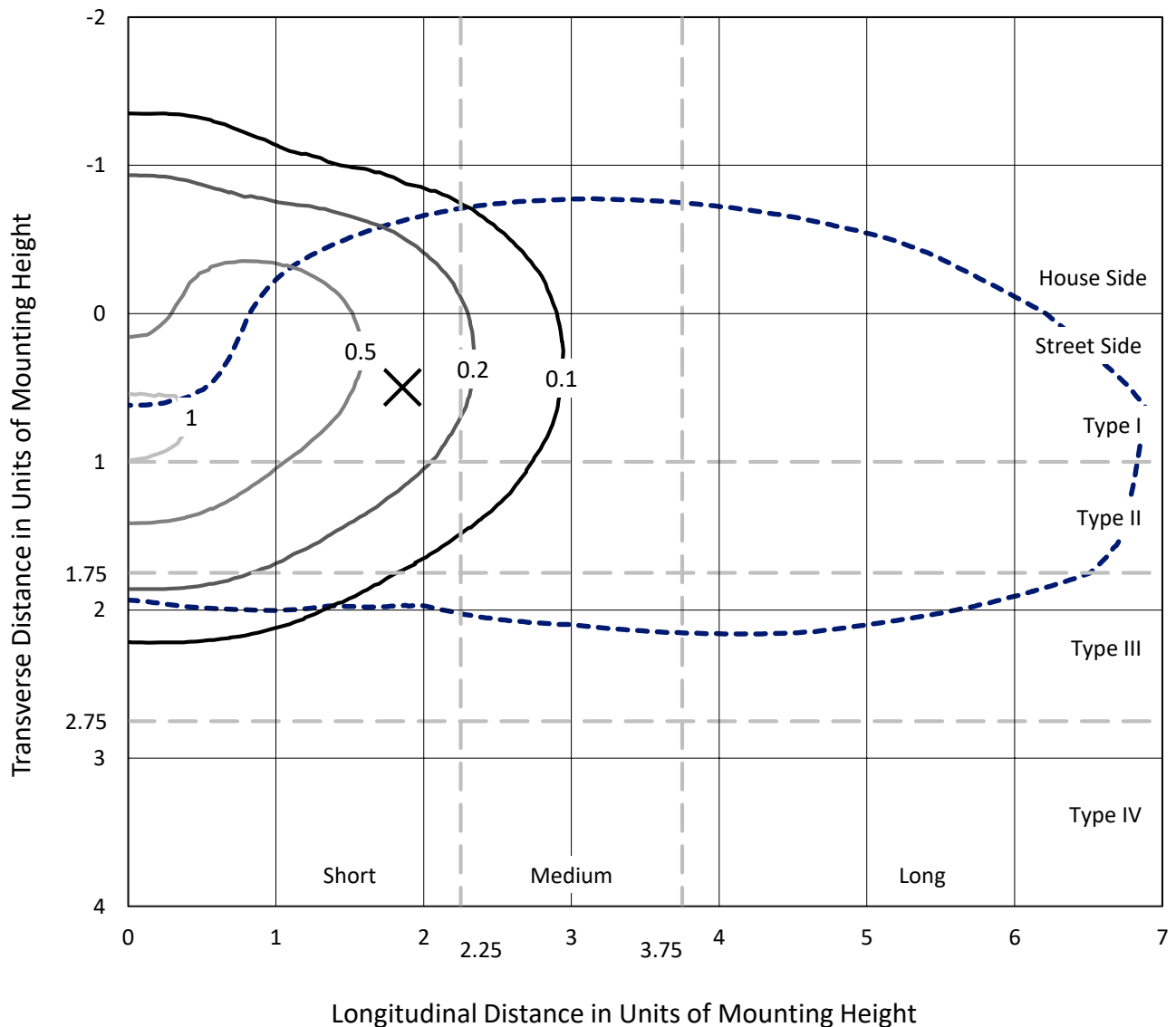


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

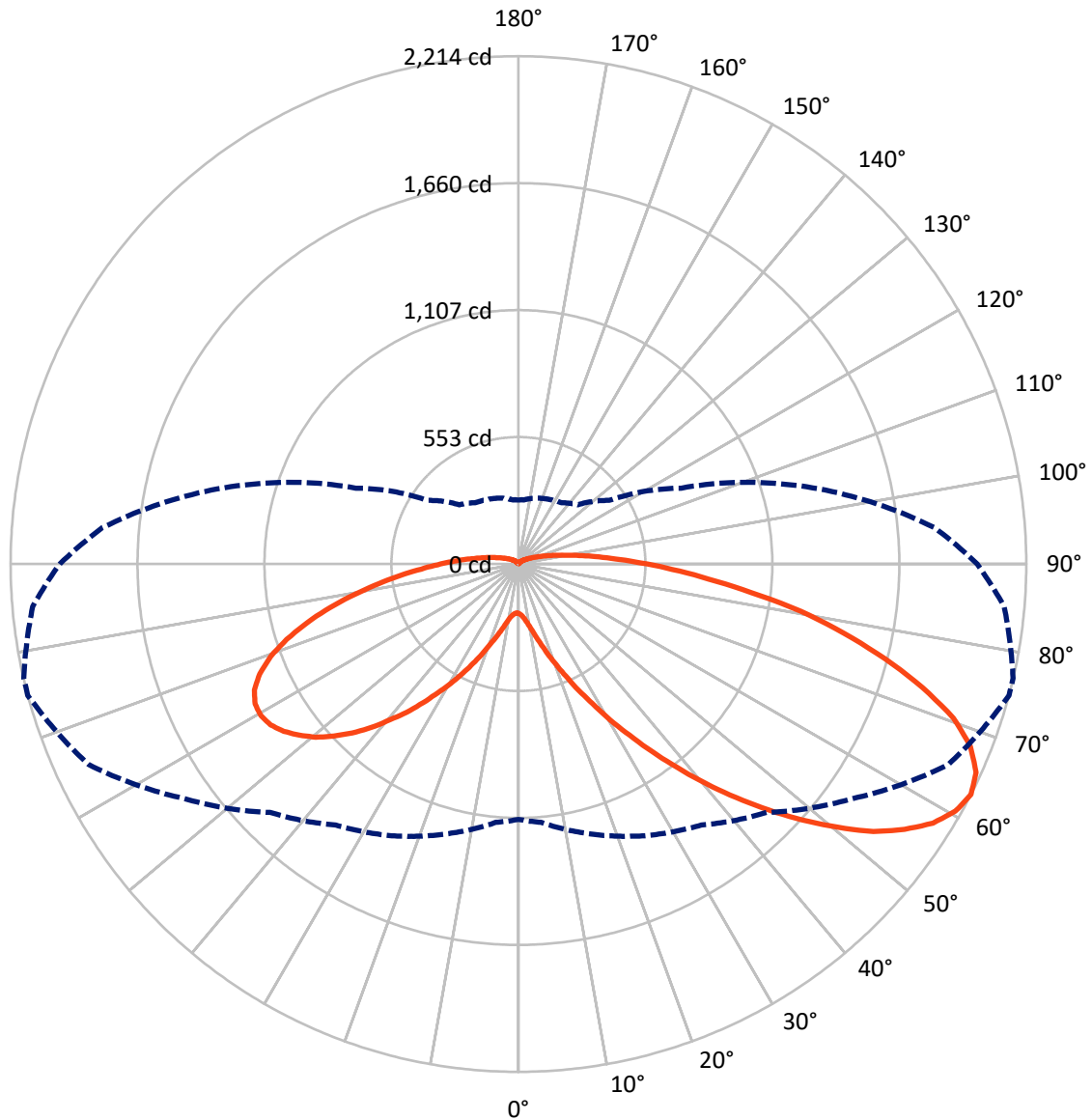


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

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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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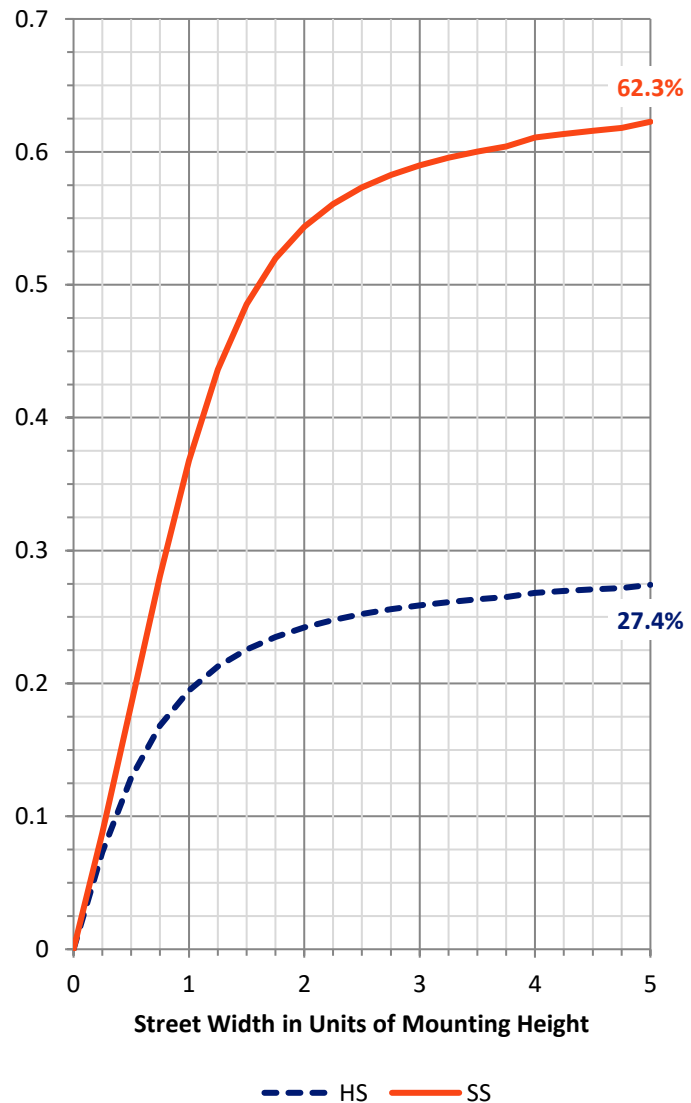
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.1	167.1	1738.2
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3526.4	229.4	3755.8
	% Fixture	64.2	4.2	68.4
Total	Lumens	5097.6	396.4	5494.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.4
10°-20°	95.6	1.7
20°-30°	247.4	4.5
30°-40°	506.2	9.2
40°-50°	839.5	15.3
50°-60°	1089.1	19.8
60°-70°	1072.6	19.5
70°-80°	788.2	14.3
80°-90°	436.2	7.9
90°-100°	206.0	3.7
100°-110°	98.4	1.8
110°-120°	50.2	0.9
120°-130°	26.0	0.5
130°-140°	11.9	0.2
140°-150°	3.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5097.6	92.8
0°-180°	5494.0	100.0



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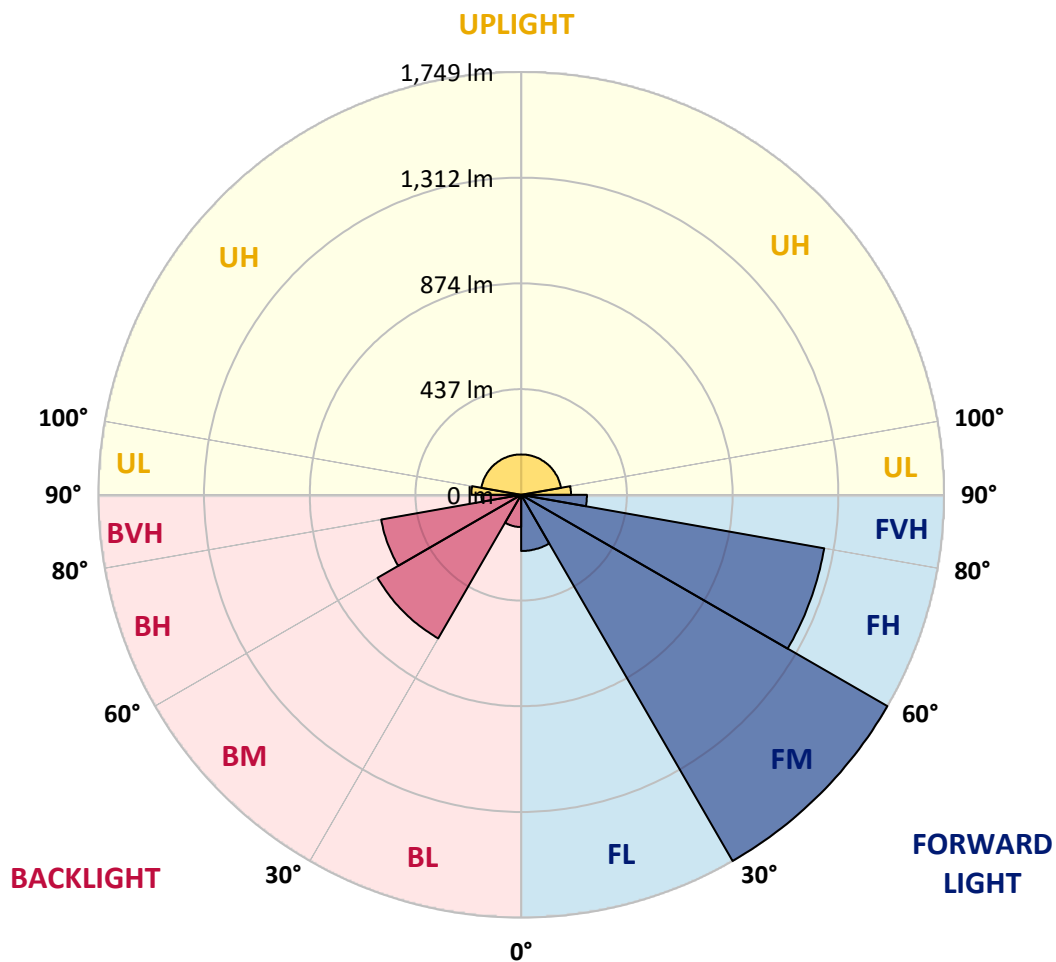
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.4	4.2			
FM	(30°-60°)	1749.0	31.8			
FH	(60°-80°)	1273.1	23.2			G1/1800
FVH	(80°-90°)	271.9	4.9			G3/500
BL	(0°-30°)	133.3	2.4	B1/500		
BM	(30°-60°)	685.8	12.5	B1/1000		
BH	(60°-80°)	587.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	164.3	3.0			G2/225
UL	(90°-100°)	206.0	3.7		U3/500	
UH	(100°-180°)	167.1	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°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	240.5	238.5	237.2	235.3	234.0	231.4	228.8	224.9	221.7	221.0	218.4
5°	265.7	262.5	262.5	259.3	254.7	251.5	246.3	239.8	234.6	231.4	228.8
7.5°	298.2	295.6	292.3	289.7	285.2	279.4	272.2	263.8	253.4	251.5	245.0
10°	334.4	333.2	330.6	325.4	319.5	311.8	302.0	291.7	280.0	278.1	267.0
12.5°	382.4	382.4	378.5	371.4	363.0	348.7	340.3	329.3	315.7	313.7	298.2
15°	441.4	438.8	433.6	421.3	411.6	399.9	389.5	375.3	357.1	353.9	339.6
17.5°	506.2	501.0	498.4	486.8	473.8	459.5	445.3	429.7	409.6	404.5	387.6
20°	578.8	582.0	572.3	559.4	539.9	525.7	509.5	489.4	467.3	463.4	443.3
22.5°	670.2	667.6	654.0	635.8	617.0	601.5	580.7	560.7	530.8	527.0	503.6
25°	771.3	768.7	751.2	728.5	707.1	679.3	655.3	633.9	609.3	603.4	575.6
27.5°	870.5	883.4	856.9	829.0	803.7	772.6	744.1	716.9	689.0	684.5	655.3
30°	1005.9	1009.2	978.1	939.8	905.5	866.6	836.8	812.1	788.2	773.3	746.7
32.5°	1147.2	1136.9	1112.2	1065.6	1011.1	967.7	934.6	912.0	889.3	881.5	842.6
35°	1287.2	1287.2	1249.0	1186.1	1114.8	1070.8	1038.3	1024.7	1004.0	991.7	948.3
37.5°	1424.7	1422.7	1383.8	1309.9	1236.7	1176.4	1155.7	1140.1	1125.9	1113.5	1060.4
40°	1560.1	1556.9	1510.2	1438.3	1352.7	1290.5	1273.6	1276.2	1259.4	1242.5	1189.4
42.5°	1669.0	1667.7	1630.8	1558.8	1456.4	1401.3	1384.5	1400.0	1392.2	1376.0	1313.8
45°	1755.9	1750.0	1720.9	1647.6	1554.9	1496.6	1501.1	1538.7	1529.7	1521.9	1444.7
47.5°	1792.2	1791.5	1775.3	1711.8	1626.2	1585.4	1611.3	1663.8	1667.1	1660.6	1574.4
50°	1782.4	1785.0	1783.7	1744.8	1674.8	1654.1	1704.0	1793.5	1803.8	1797.3	1708.5
52.5°	1725.4	1726.7	1748.1	1731.2	1691.7	1697.5	1786.3	1901.0	1937.3	1919.8	1827.2
55°	1604.8	1621.0	1663.2	1672.9	1667.7	1707.2	1835.6	1986.6	2041.7	2035.9	1930.2
57.5°	1480.4	1472.6	1532.9	1579.6	1606.8	1681.3	1851.8	2047.5	2130.5	2122.7	2022.3
60°	1298.9	1310.6	1384.5	1451.2	1508.9	1619.1	1836.9	2079.9	2188.2	2183.6	2089.7
62.5°	1113.5	1130.4	1217.9	1306.7	1389.0	1531.0	1781.1	2067.6	2213.5	2212.8	2125.3
65°	939.2	957.3	1037.7	1145.3	1250.3	1411.7	1683.9	2015.1	2192.1	2193.4	2118.8
67.5°	784.3	794.0	878.3	996.9	1099.3	1271.7	1558.8	1911.4	2124.7	2131.8	2067.0
70°	646.2	653.3	735.0	840.7	959.3	1115.5	1407.2	1778.5	2011.9	2014.5	1973.6
72.5°	530.2	536.7	615.1	709.1	818.6	978.7	1250.9	1597.1	1842.1	1868.0	1829.8
75°	423.9	436.9	504.3	595.7	693.5	836.1	1085.7	1402.0	1651.5	1673.5	1667.7
77.5°	345.5	363.0	416.8	495.2	585.3	709.1	920.4	1209.5	1449.9	1468.1	1472.6
80°	278.7	291.7	345.5	414.8	491.3	598.9	769.4	1021.5	1247.1	1249.0	1247.1
82.5°	226.2	235.9	283.9	346.8	414.2	503.6	644.9	852.3	1022.8	1043.5	1047.4
85°	184.1	191.2	232.7	289.1	346.1	422.0	532.1	696.1	830.9	852.3	845.2
87.5°	147.8	157.5	190.6	238.5	291.7	352.0	442.7	563.2	670.8	679.9	678.6
90°	121.2	124.4	157.5	198.3	246.3	292.3	361.7	453.7	534.1	550.3	539.3
92.5°	97.9	103.1	130.9	167.9	205.5	245.7	300.1	372.7	422.6	432.3	427.1
95°	82.3	84.9	110.2	140.7	173.1	209.4	247.6	297.5	334.4	337.7	339.0
97.5°	68.7	71.3	92.0	119.9	147.8	176.9	206.1	243.1	267.7	267.0	265.1
100°	59.0	60.3	79.1	104.4	129.0	150.4	173.1	195.7	210.7	215.2	208.1
102.5°	51.2	51.9	68.1	90.1	110.8	129.6	146.5	162.7	168.5	169.2	165.9
105°	45.4	46.0	59.6	77.8	96.6	110.8	123.8	133.5	136.1	136.1	132.2
107.5°	40.2	40.8	51.2	68.7	85.6	97.2	106.3	111.5	110.2	109.5	106.9
110°	36.9	36.9	45.4	60.9	74.5	84.9	92.0	92.7	89.4	89.4	86.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	33.7	33.7	40.2	53.8	66.1	75.2	79.7	78.4	73.9	72.6	72.6
115°	31.1	31.1	35.6	47.3	59.0	66.1	69.4	66.1	60.9	60.3	59.6
117.5°	29.2	29.2	32.4	42.1	51.9	58.3	60.3	57.0	51.2	50.6	50.6
120°	27.2	27.2	29.8	36.9	46.0	51.2	52.5	48.6	42.8	42.8	43.4
122.5°	25.9	25.9	27.2	33.1	40.8	45.4	45.4	41.5	36.3	36.3	36.9
125°	24.6	24.6	25.3	29.2	35.6	39.5	38.9	34.4	31.1	31.1	31.8
127.5°	23.3	23.3	23.3	25.9	31.1	34.4	33.7	29.2	26.6	26.6	27.9
130°	22.0	22.0	21.4	22.7	26.6	29.2	27.9	24.6	22.7	22.7	24.0
132.5°	20.7	20.7	19.4	20.1	22.7	24.0	22.7	20.1	19.4	19.4	20.1
135°	19.4	18.8	18.1	17.5	18.8	19.4	18.1	16.2	16.2	16.2	17.5
137.5°	17.5	17.5	16.2	14.9	14.9	14.9	14.3	12.3	13.0	13.6	14.3
140°	16.2	16.2	14.9	13.0	11.7	11.7	10.4	9.7	10.4	11.0	11.7
142.5°	14.3	14.3	13.0	11.0	9.1	7.8	7.1	6.5	7.8	8.4	8.4
145°	12.3	12.3	11.0	8.4	6.5	4.5	3.9	4.5	5.2	5.8	6.5
147.5°	10.4	9.7	8.4	6.5	3.2	1.9	1.3	2.6	3.2	3.2	3.9
150°	7.8	7.8	6.5	4.5	1.9	0.0	0.6	1.3	1.9	1.9	2.6
152.5°	5.8	5.2	4.5	2.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3
155°	3.2	3.2	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	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°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
2.5°	217.1	215.2	212.6	210.7	208.7	206.1	204.8	202.9	202.9	202.9	204.2
5°	224.9	222.3	216.5	211.3	206.1	202.2	198.3	195.7	194.4	193.2	193.8
7.5°	239.2	235.9	226.9	217.8	210.7	203.5	198.3	193.8	191.9	191.2	191.2
10°	261.2	255.4	241.8	229.4	219.1	209.4	202.2	196.4	193.8	191.9	191.9
12.5°	291.0	282.6	266.4	249.5	234.0	221.0	210.7	206.1	204.2	202.9	203.5
15°	330.6	321.5	296.9	274.8	254.7	237.2	227.5	223.0	220.4	219.1	218.4
17.5°	376.6	363.6	333.8	305.3	280.0	260.6	248.2	241.1	236.6	234.0	234.6
20°	427.1	410.3	372.0	340.9	308.5	289.1	270.3	258.6	252.8	251.5	252.1
22.5°	484.2	466.7	422.6	377.2	343.5	314.4	291.7	276.8	269.6	269.0	269.0
25°	551.6	528.2	476.4	419.4	375.9	339.0	312.4	294.3	286.5	283.9	283.9
27.5°	628.1	597.0	532.8	467.3	407.7	361.0	329.9	309.2	300.7	298.8	298.8
30°	712.3	679.9	598.3	512.7	438.2	380.5	345.5	323.4	312.4	309.8	310.5
32.5°	805.0	762.9	659.8	561.3	464.7	396.0	355.8	333.8	321.5	318.2	318.2
35°	905.5	856.2	733.1	608.6	490.0	408.3	363.6	340.9	327.3	324.1	323.4
37.5°	1018.3	956.7	808.9	652.0	510.1	416.1	368.8	345.5	330.6	326.0	325.4
40°	1136.2	1065.6	878.9	691.6	527.0	420.7	370.1	347.4	331.9	324.7	324.1
42.5°	1246.4	1168.6	958.6	727.9	537.3	422.6	369.5	346.8	330.6	320.8	320.2
45°	1368.3	1273.0	1031.9	760.9	543.8	421.3	366.9	343.5	328.0	315.7	314.4
47.5°	1495.9	1386.4	1099.3	784.9	546.4	417.4	363.6	340.9	323.4	309.8	308.5
50°	1611.3	1483.6	1162.1	803.7	545.1	411.6	358.4	337.0	319.5	304.0	302.7
52.5°	1724.1	1585.4	1211.4	814.1	538.6	405.1	353.9	332.5	315.0	298.8	296.9
55°	1826.5	1665.8	1255.5	818.6	530.2	396.7	347.4	328.6	311.1	293.6	291.7
57.5°	1905.6	1741.6	1287.9	812.8	517.2	387.0	340.9	322.8	306.6	289.1	287.1
60°	1963.9	1791.5	1302.8	801.8	502.3	375.9	333.2	316.9	302.0	285.2	283.2
62.5°	1998.9	1819.4	1299.6	782.3	483.5	364.9	326.0	311.1	297.5	280.7	279.4
65°	1993.1	1808.4	1274.9	751.2	463.4	350.7	315.0	303.3	291.0	275.5	273.5
67.5°	1945.8	1763.6	1225.0	712.3	440.7	336.4	304.6	293.0	282.6	269.0	265.1
70°	1861.5	1681.3	1153.1	663.7	414.8	320.2	292.3	281.3	272.2	259.3	255.4
72.5°	1719.6	1561.4	1061.7	613.2	387.0	301.4	276.1	267.0	257.3	246.9	242.4
75°	1557.5	1411.0	954.1	553.5	357.1	282.6	259.3	250.2	241.1	230.1	226.2
77.5°	1381.2	1240.6	842.6	501.0	326.7	261.2	240.5	232.7	223.6	211.9	207.4
80°	1170.6	1058.4	724.0	440.7	296.2	240.5	221.0	212.6	202.9	191.9	187.3
82.5°	980.7	881.5	614.5	386.3	265.7	219.1	202.2	189.9	180.8	169.8	162.0
85°	801.8	732.4	515.3	331.9	237.2	197.0	180.2	169.8	159.4	146.5	141.3
87.5°	644.9	585.9	423.2	286.5	209.4	175.7	160.1	149.7	138.1	124.4	119.9
90°	510.1	473.8	352.0	246.3	185.4	157.5	141.9	130.9	118.0	105.6	103.1
92.5°	404.5	379.2	291.0	209.4	163.3	139.4	125.1	114.1	101.1	88.8	84.9
95°	325.4	300.7	238.5	182.8	143.2	122.5	110.2	99.8	86.9	74.5	71.9
97.5°	259.9	240.5	195.7	153.6	125.7	108.9	97.9	86.9	73.9	62.9	61.6
100°	203.5	191.9	162.0	132.2	110.8	96.6	86.2	76.5	63.5	52.5	51.9
102.5°	162.7	156.2	134.8	114.1	97.2	85.6	77.1	66.8	55.1	44.7	44.1
105°	130.9	127.0	112.1	97.9	86.2	76.5	68.7	58.3	46.7	38.2	38.2
107.5°	106.3	103.1	94.0	83.6	75.8	68.7	60.3	51.2	40.2	33.1	33.1
110°	86.9	85.6	79.7	72.6	66.8	60.9	53.1	44.1	34.4	29.2	29.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.6	71.9	67.4	63.5	59.0	53.8	47.3	38.9	29.8	25.3	25.9
115°	60.3	60.3	57.7	55.1	51.9	48.0	41.5	33.1	25.3	22.7	22.7
117.5°	51.2	50.6	49.9	48.0	46.0	42.1	35.6	28.5	21.4	20.1	20.7
120°	44.1	44.1	42.8	42.1	40.2	36.3	31.1	24.0	18.1	18.1	18.1
122.5°	37.6	38.2	36.9	36.3	35.0	32.4	26.6	20.1	16.2	15.6	16.2
125°	33.1	33.1	32.4	31.8	30.5	27.2	22.7	16.9	13.6	14.3	14.3
127.5°	27.9	28.5	27.9	27.2	26.6	23.3	18.8	13.6	11.7	12.3	12.3
130°	24.6	24.6	24.0	23.3	22.0	19.4	15.6	11.0	10.4	11.0	11.0
132.5°	20.7	20.7	20.7	19.4	18.1	16.2	12.3	9.1	8.4	9.7	9.7
135°	17.5	17.5	17.5	16.2	14.9	12.3	9.1	7.1	7.1	8.4	8.4
137.5°	14.3	14.9	14.3	13.0	11.7	9.7	7.1	5.2	5.8	7.1	7.1
140°	11.7	11.7	11.0	10.4	8.4	6.5	4.5	3.9	5.2	5.8	5.8
142.5°	9.1	9.1	8.4	7.1	5.8	4.5	2.6	2.6	3.9	4.5	4.5
145°	6.5	6.5	5.8	4.5	3.2	1.9	0.6	1.3	2.6	3.2	3.2
147.5°	3.9	3.9	3.9	3.2	1.9	0.6	0.0	0.6	1.3	1.9	1.9
150°	2.6	2.6	2.6	1.9	1.3	0.0	0.0	0.0	0.6	1.3	1.3
152.5°	1.3	1.3	1.3	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)