

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: P416234

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6306 lumens
Efficiency: N/A
Efficacy: 85.2 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): 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

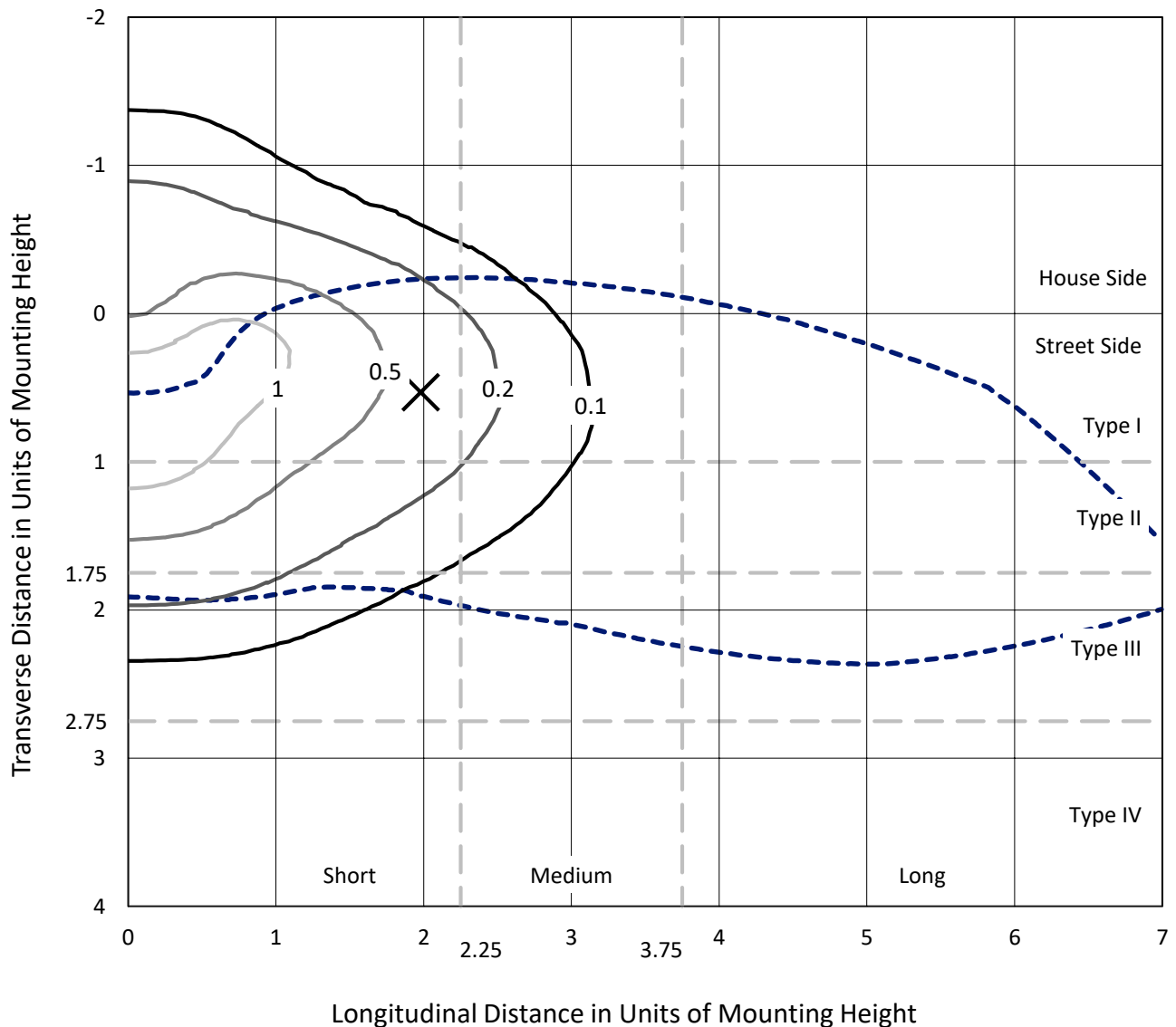


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

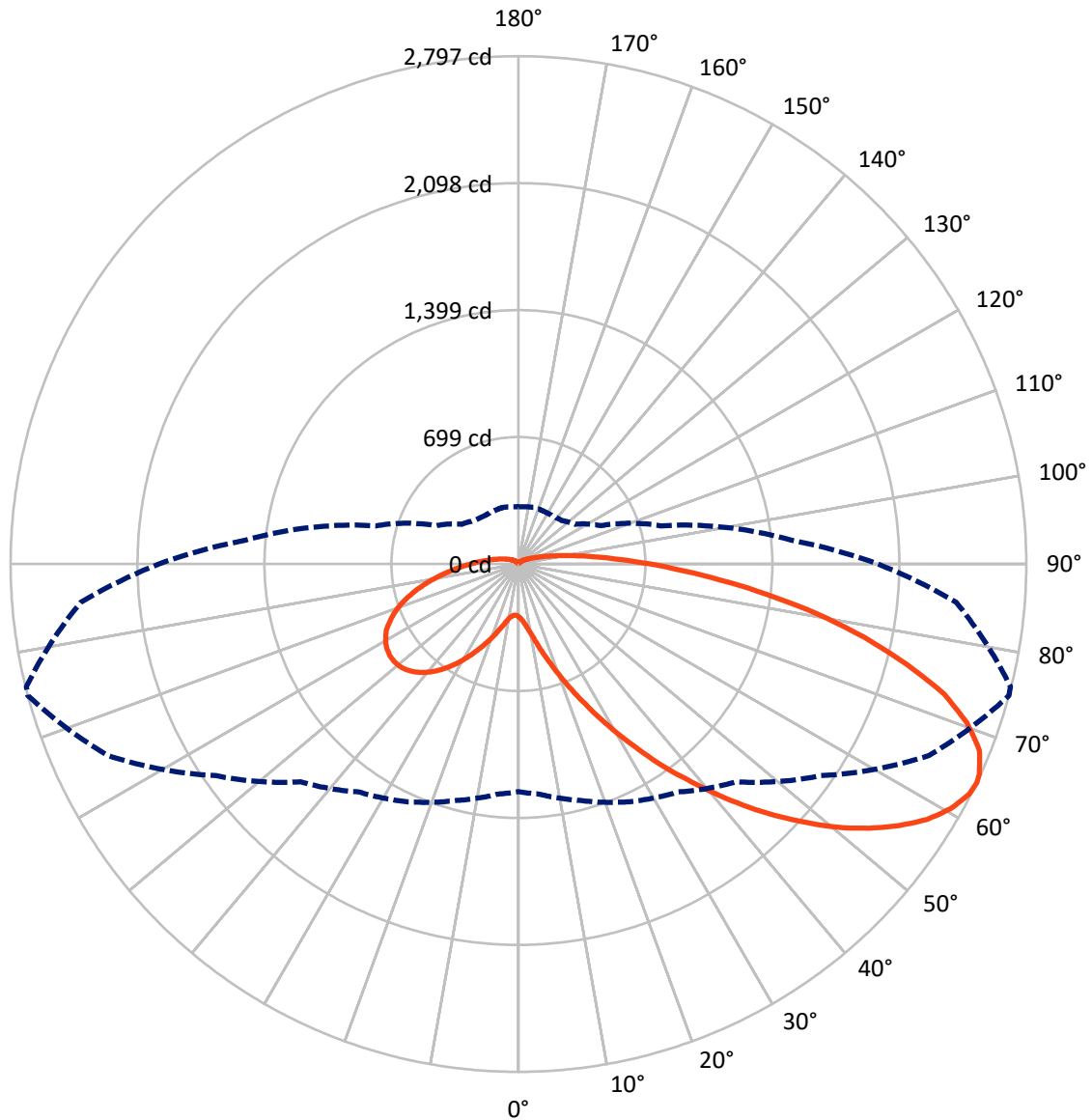


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.9	183.2	1574.0
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4453.3	278.7	4732.0
	% Fixture	70.6	4.4	75.0
Total	Lumens	5844.2	461.8	6306.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	0.5
10°-20°	127.2	2.0
20°-30°	322.0	5.1
30°-40°	630.6	10.0
40°-50°	981.0	15.6
50°-60°	1203.1	19.1
60°-70°	1169.6	18.5
70°-80°	882.0	14.0
80°-90°	498.0	7.9
90°-100°	234.9	3.7
100°-110°	113.5	1.8
110°-120°	59.6	0.9
120°-130°	32.0	0.5
130°-140°	15.7	0.2
140°-150°	5.4	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5844.2	92.7
0°-180°	6306.0	100.0

Coefficient of Utilization



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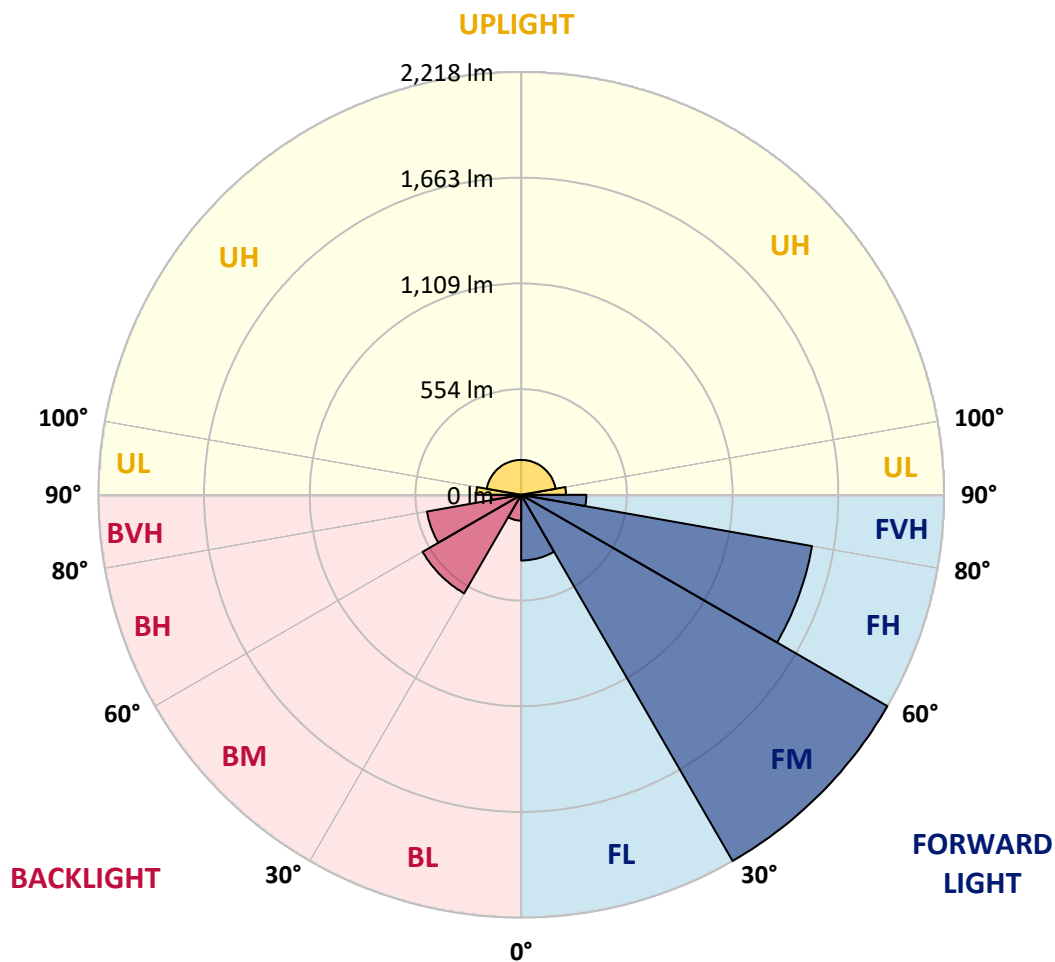
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.5	5.5			
FM	(30°-60°)	2217.8	35.2			
FH	(60°-80°)	1549.4	24.6			G1/1800
FVH	(80°-90°)	341.6	5.4			G3/500
BL	(0°-30°)	135.3	2.1	B1/500		
BM	(30°-60°)	596.9	9.5	B1/1000		
BH	(60°-80°)	502.2	8.0	B2/1000		G2/1000
BVH	(80°-90°)	156.5	2.5			G2/225
UL	(90°-100°)	234.9	3.7		U3/500	
UH	(100°-180°)	183.2	2.9		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°	76°	85°
0°	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7
2.5°	338.9	335.9	334.4	333.6	328.2	322.9	316.8	310.6	303.8	302.2	296.1
5°	391.7	387.9	386.4	381.8	374.1	365.0	352.0	339.7	324.4	325.2	311.4
7.5°	452.2	449.1	444.5	437.6	426.2	413.9	394.8	376.4	355.8	353.5	333.6
10°	521.0	518.8	514.2	503.4	488.9	468.3	449.1	421.6	392.5	391.0	361.9
12.5°	603.7	600.6	587.6	576.9	557.8	538.6	509.6	476.7	445.3	441.5	405.5
15°	697.0	692.4	683.3	666.4	645.8	614.4	583.8	550.9	509.6	502.7	460.6
17.5°	792.7	792.7	781.2	761.3	733.0	705.4	671.8	630.5	578.4	577.7	521.8
20°	912.8	911.3	893.7	864.6	836.3	807.2	766.7	720.0	661.8	656.5	588.4
22.5°	1042.9	1041.3	1019.9	988.5	951.8	910.5	865.4	816.4	752.9	746.0	666.4
25°	1183.6	1182.9	1160.7	1112.5	1065.8	1026.8	980.1	925.8	852.3	850.8	755.2
27.5°	1355.0	1346.6	1312.2	1253.3	1194.4	1143.9	1089.5	1040.6	967.1	955.6	849.3
30°	1520.3	1515.7	1469.0	1405.5	1324.4	1257.9	1202.8	1165.3	1089.5	1078.8	959.5
32.5°	1690.9	1687.9	1631.2	1557.8	1457.6	1374.9	1332.1	1291.5	1218.8	1214.2	1068.1
35°	1879.9	1867.7	1802.6	1701.6	1585.3	1492.7	1454.5	1436.1	1364.2	1347.4	1187.5
37.5°	2034.5	2025.3	1966.4	1843.2	1706.2	1606.8	1577.7	1565.4	1503.5	1496.6	1316.8
40°	2183.7	2176.8	2104.8	1971.7	1815.6	1716.2	1687.1	1707.7	1658.0	1647.3	1446.8
42.5°	2291.5	2282.4	2215.8	2074.2	1910.5	1805.7	1804.9	1852.4	1816.4	1804.9	1581.5
45°	2355.8	2346.6	2291.5	2155.3	1984.7	1883.7	1901.3	1984.7	1974.0	1960.2	1704.7
47.5°	2361.9	2356.6	2316.8	2190.5	2029.9	1944.9	1995.4	2114.8	2126.3	2113.3	1836.3
50°	2306.1	2311.4	2286.2	2185.9	2045.9	1984.7	2071.9	2238.0	2280.1	2264.8	1967.1
52.5°	2200.5	2194.4	2205.1	2133.9	2029.1	1998.5	2124.0	2341.3	2418.5	2403.2	2088.0
55°	2024.5	2029.1	2066.6	2039.8	1976.3	1982.4	2155.3	2423.1	2544.0	2531.8	2197.4
57.5°	1839.3	1828.6	1896.0	1900.6	1883.0	1939.6	2159.2	2485.1	2655.0	2642.0	2291.5
60°	1596.8	1622.8	1683.3	1735.3	1765.9	1868.4	2133.9	2517.2	2736.1	2732.2	2367.3
62.5°	1387.2	1392.5	1474.4	1553.2	1626.6	1768.2	2078.1	2516.5	2788.9	2784.3	2412.4
64°	1254.0	1271.6	1348.9	1444.5	1532.5	1696.3	2032.2	2495.1	2797.3	2793.5	2420.1
65°	1181.3	1179.1	1271.6	1368.0	1462.9	1641.9	1985.5	2472.1	2789.6	2789.6	2417.0
67.5°	981.6	989.3	1070.4	1181.3	1298.4	1498.1	1866.1	2390.2	2739.1	2744.5	2372.6
70°	809.5	821.0	909.7	1008.4	1137.7	1353.5	1718.5	2242.6	2620.5	2628.2	2277.0
72.5°	668.0	681.0	746.0	845.5	988.5	1201.2	1551.7	2057.4	2453.0	2456.0	2117.1
75°	543.2	557.8	623.6	710.0	834.0	1037.5	1369.6	1856.2	2208.9	2224.2	1910.5
77.5°	442.2	457.5	518.0	596.0	713.9	887.5	1189.0	1623.6	1949.5	1958.7	1674.1
80°	357.3	373.4	426.9	500.4	602.9	755.9	1019.9	1385.6	1669.5	1669.5	1430.8
82.5°	290.0	303.8	352.0	415.5	508.8	638.1	856.9	1151.5	1380.3	1381.0	1182.1
85°	234.1	242.5	290.0	345.8	423.1	534.8	708.5	937.3	1113.3	1097.2	952.6
87.5°	188.2	195.9	235.7	290.0	351.2	446.1	581.5	762.8	875.3	880.7	760.5
90°	151.5	156.1	192.8	238.7	295.3	368.8	472.8	606.7	688.6	681.7	596.0
92.5°	123.2	128.5	159.9	201.2	248.7	309.9	389.4	480.5	533.3	534.8	466.0
95°	101.0	104.1	133.1	169.9	212.7	259.4	317.5	382.6	418.5	413.9	362.7
97.5°	84.2	85.7	112.5	145.4	180.6	218.8	264.7	304.5	324.4	321.4	283.9
100°	71.2	72.7	95.6	126.2	156.1	186.7	218.8	245.6	252.5	248.7	223.4
102.5°	62.0	62.7	81.9	109.4	134.7	159.9	182.1	198.9	198.2	198.2	176.7
105°	54.3	55.1	71.2	95.6	118.6	138.5	153.8	162.2	159.1	157.6	141.5
107.5°	49.0	49.7	62.7	84.2	104.8	120.1	131.6	133.9	127.8	126.2	114.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	44.4	44.4	55.1	74.2	92.6	104.8	112.5	112.5	103.3	102.5	94.9
112.5°	40.6	41.3	49.7	65.8	81.9	92.6	97.2	93.3	84.9	84.2	80.3
115°	37.5	38.3	44.4	58.9	72.7	81.9	84.2	78.8	70.4	69.6	66.6
117.5°	35.2	36.0	40.6	52.0	65.0	71.9	72.7	67.3	58.9	58.1	57.4
120°	33.7	33.7	37.5	46.7	57.4	63.5	62.7	57.4	50.5	49.7	49.7
122.5°	32.1	32.1	34.4	41.3	50.5	55.9	55.1	49.0	42.8	42.8	42.8
125°	30.6	30.6	32.1	37.5	45.1	49.0	47.4	42.1	36.7	36.7	38.3
127.5°	29.1	29.1	29.8	32.9	39.8	42.1	40.6	35.2	32.1	32.1	32.9
130°	27.5	27.5	27.5	29.8	34.4	36.0	34.4	29.8	27.5	27.5	29.1
132.5°	26.0	26.0	26.0	26.0	29.1	30.6	28.3	24.5	23.7	24.5	25.2
135°	24.5	24.5	23.7	23.0	24.5	25.2	23.0	20.7	20.7	20.7	22.2
137.5°	23.0	22.2	21.4	20.7	19.9	19.9	18.4	16.1	17.6	17.6	19.1
140°	20.7	19.9	19.1	17.6	16.1	15.3	13.8	13.0	14.5	14.5	15.3
142.5°	18.4	17.6	16.8	14.5	12.2	10.7	9.2	9.9	11.5	11.5	12.2
145°	15.3	15.3	13.8	11.5	9.2	7.7	6.1	6.9	8.4	8.4	9.2
147.5°	13.0	12.2	11.5	9.2	6.1	4.6	3.1	4.6	6.1	6.1	6.9
150°	9.9	9.2	8.4	6.1	3.8	1.5	1.5	3.1	3.8	3.8	4.6
152.5°	6.9	6.9	6.1	3.8	1.5	0.0	0.8	1.5	2.3	2.3	3.1
155°	4.6	3.8	3.1	2.3	0.8	0.0	0.0	0.8	1.5	1.5	1.5
157.5°	2.3	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	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°	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7
2.5°	292.3	289.2	282.3	276.2	270.1	264.7	261.7	257.8	257.1	256.3	256.3
5°	303.0	296.1	282.3	269.3	257.1	247.1	239.5	231.8	228.0	226.5	225.7
7.5°	321.4	310.6	288.5	268.6	250.2	234.9	222.7	213.5	208.1	205.1	204.3
10°	346.6	331.3	300.7	273.1	248.7	228.8	213.5	202.8	195.9	192.8	192.0
12.5°	386.4	361.9	323.6	284.6	252.5	228.0	210.4	198.9	195.9	192.8	192.8
15°	431.5	407.0	354.3	306.0	264.7	232.6	217.3	209.6	205.1	202.8	202.0
17.5°	489.7	452.2	388.7	329.0	280.0	249.4	229.5	221.1	216.5	214.2	213.5
20°	549.4	505.0	426.9	354.3	300.7	269.3	245.6	232.6	228.0	225.7	224.9
22.5°	620.5	567.0	466.7	381.0	324.4	287.7	260.9	245.6	240.2	238.0	238.7
25°	693.2	635.8	509.6	409.3	346.6	303.0	275.4	257.8	254.0	251.0	251.0
27.5°	782.0	705.4	553.2	441.5	365.7	316.8	288.5	270.9	264.0	264.0	263.2
30°	875.3	779.7	600.6	469.0	382.6	329.0	298.4	282.3	275.4	274.7	274.7
32.5°	966.3	859.2	647.3	496.6	395.6	337.4	307.6	292.3	283.9	283.1	283.9
35°	1072.7	940.3	690.9	518.8	407.0	344.3	314.5	300.7	291.5	290.7	290.7
37.5°	1173.7	1023.7	733.0	536.3	414.7	348.9	319.8	307.6	297.6	296.9	296.1
40°	1279.3	1102.5	771.2	550.9	418.5	352.0	322.9	312.2	303.0	299.9	299.9
42.5°	1386.4	1182.1	803.4	559.3	420.8	352.7	325.2	315.2	306.8	301.5	301.5
45°	1486.6	1250.2	830.2	563.9	420.8	353.5	326.7	317.5	309.9	303.0	302.2
47.5°	1596.8	1319.1	850.8	564.7	418.5	352.0	327.5	319.8	311.4	303.8	303.0
50°	1693.2	1384.1	863.8	562.4	415.5	351.2	328.2	320.6	313.7	304.5	304.5
52.5°	1778.1	1436.1	869.9	556.2	411.6	349.7	328.2	322.1	316.0	306.0	305.3
55°	1853.1	1476.7	869.2	547.1	405.5	347.4	327.5	322.1	317.5	306.8	306.8
57.5°	1917.4	1505.0	862.3	536.3	399.4	345.8	327.5	322.9	319.1	309.1	309.1
60°	1961.0	1521.1	848.5	523.3	393.3	342.8	326.7	323.6	321.4	311.4	312.2
62.5°	1981.7	1518.8	827.1	509.6	386.4	339.7	325.2	322.9	322.1	314.5	314.5
64°	1980.1	1508.1	812.6	499.6	381.8	338.2	324.4	322.1	322.9	316.0	316.0
65°	1970.2	1492.7	797.3	492.0	378.0	336.7	322.9	321.4	322.9	316.0	316.0
67.5°	1922.0	1445.3	758.2	472.8	368.0	329.8	318.3	317.5	319.8	315.2	314.5
70°	1826.3	1370.3	716.2	448.4	355.8	322.1	311.4	310.6	313.7	309.9	308.3
72.5°	1696.3	1266.3	664.9	423.1	341.2	311.4	302.2	301.5	303.0	300.7	298.4
75°	1532.5	1143.9	607.5	394.8	325.2	297.6	289.2	287.7	290.0	286.9	285.4
77.5°	1350.4	1008.4	547.1	365.0	304.5	282.3	273.9	271.6	271.6	267.8	264.0
80°	1150.0	869.9	486.6	334.4	283.1	263.2	256.3	253.3	251.0	244.8	241.0
82.5°	960.2	739.9	424.6	303.0	260.1	242.5	235.7	231.8	226.5	218.8	213.5
85°	781.2	615.9	368.0	269.3	237.2	220.4	215.0	208.1	201.2	192.8	185.9
87.5°	627.4	504.2	317.5	239.5	211.2	198.2	192.0	182.9	176.0	166.8	160.7
90°	498.1	413.2	271.6	210.4	188.2	176.7	171.4	162.2	152.3	142.3	137.0
92.5°	401.7	336.7	234.1	185.9	168.3	158.4	151.5	142.3	130.8	120.9	117.1
95°	319.1	272.4	199.7	164.5	149.2	140.0	133.1	124.7	112.5	101.0	97.9
97.5°	252.5	224.2	170.6	144.6	132.4	124.7	117.1	109.4	97.2	85.7	84.2
100°	202.8	182.1	146.1	127.8	117.1	110.2	104.1	95.6	84.2	71.9	71.9
102.5°	163.7	150.7	125.5	112.5	104.1	97.9	91.8	84.2	72.7	62.0	61.2
105°	133.9	124.7	107.9	99.5	92.6	88.0	81.9	73.5	62.7	52.8	52.0
107.5°	111.7	103.3	93.3	88.0	82.6	78.0	73.5	65.0	54.3	45.9	45.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	91.8	88.8	81.1	77.3	74.2	69.6	65.0	56.6	46.7	40.6	40.6
112.5°	78.0	75.0	71.2	68.9	65.8	62.7	57.4	49.7	40.6	36.0	36.0
115°	65.8	64.3	62.0	60.4	58.9	55.9	50.5	42.8	34.4	31.4	32.1
117.5°	57.4	56.6	55.1	54.3	52.8	49.0	44.4	37.5	29.8	28.3	28.3
120°	49.7	49.7	48.2	48.2	46.7	43.6	38.3	32.1	26.0	25.2	25.2
122.5°	43.6	43.6	42.8	42.8	41.3	38.3	33.7	27.5	22.2	22.2	23.0
125°	38.3	38.3	37.5	37.5	36.7	33.7	29.1	23.7	19.9	19.9	19.9
127.5°	33.7	33.7	33.7	32.9	31.4	29.1	24.5	19.9	17.6	17.6	17.6
130°	29.8	29.8	29.1	29.1	27.5	24.5	20.7	16.8	14.5	16.1	16.1
132.5°	26.0	26.0	26.0	24.5	23.0	20.7	16.8	13.8	13.0	13.8	13.8
135°	22.2	23.0	22.2	21.4	19.9	16.8	13.8	11.5	11.5	12.2	12.2
137.5°	19.1	19.1	19.1	17.6	16.1	13.8	10.7	9.2	9.9	10.7	10.7
140°	16.1	16.1	15.3	14.5	13.0	10.7	8.4	6.9	8.4	9.2	9.2
142.5°	13.0	13.0	12.2	11.5	9.2	7.7	5.4	5.4	6.9	7.7	7.7
145°	9.9	9.9	9.2	8.4	6.9	4.6	3.8	4.6	6.1	6.1	6.1
147.5°	6.9	6.9	6.9	5.4	3.8	2.3	1.5	3.1	4.6	4.6	5.4
150°	4.6	4.6	4.6	3.8	2.3	0.8	0.8	2.3	3.1	3.8	3.8
152.5°	3.1	3.1	3.1	2.3	1.5	0.0	0.0	1.5	2.3	2.3	2.3
155°	1.5	1.5	1.5	1.5	0.8	0.0	0.0	0.8	1.5	1.5	1.5
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.5	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.8	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)