

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: P413817

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8379 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G4

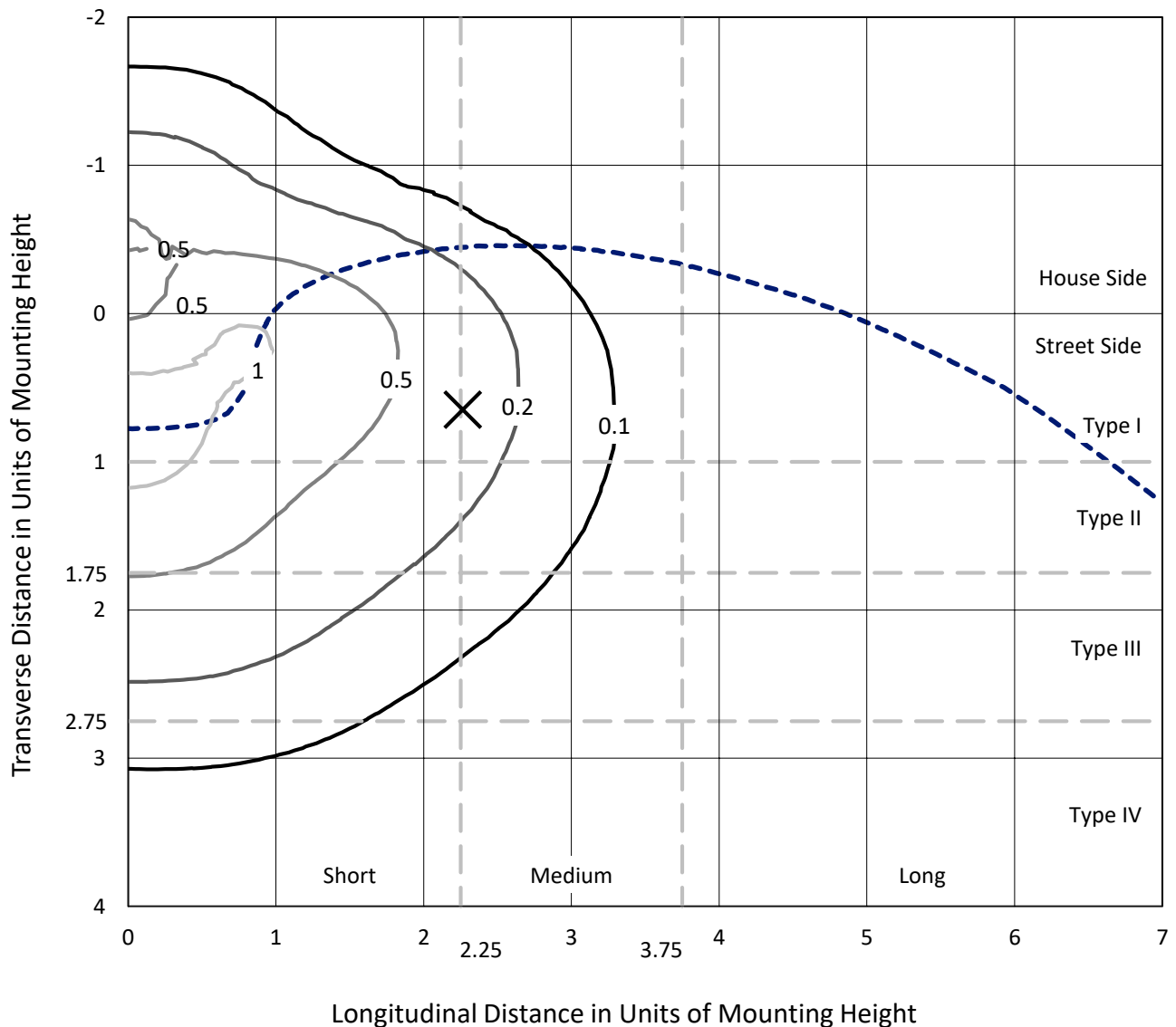
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

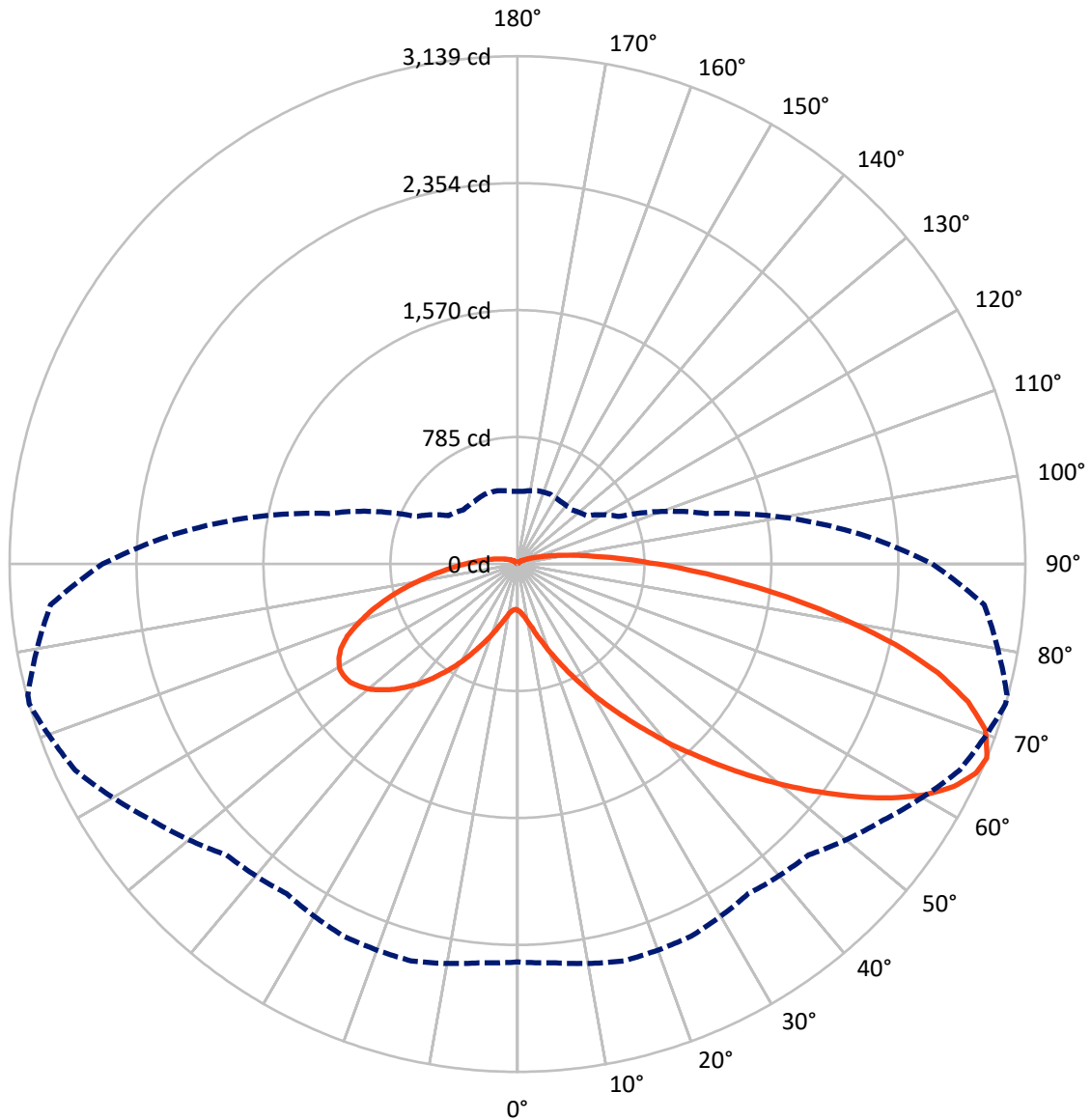
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1953.9	234.9	2188.7
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	5654.5	535.8	6190.3
	% Fixture	67.5	6.4	73.9
Total	Lumens	7608.4	770.6	8379.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.4
10°-20°	122.1	1.5
20°-30°	303.2	3.6
30°-40°	592.1	7.1
40°-50°	979.3	11.7
50°-60°	1419.4	16.9
60°-70°	1717.9	20.5
70°-80°	1527.2	18.2
80°-90°	917.4	10.9
90°-100°	421.2	5.0
100°-110°	187.5	2.2
110°-120°	89.5	1.1
120°-130°	44.4	0.5
130°-140°	20.3	0.2
140°-150°	6.7	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7608.4	90.8
0°-180°	8379.0	100.0



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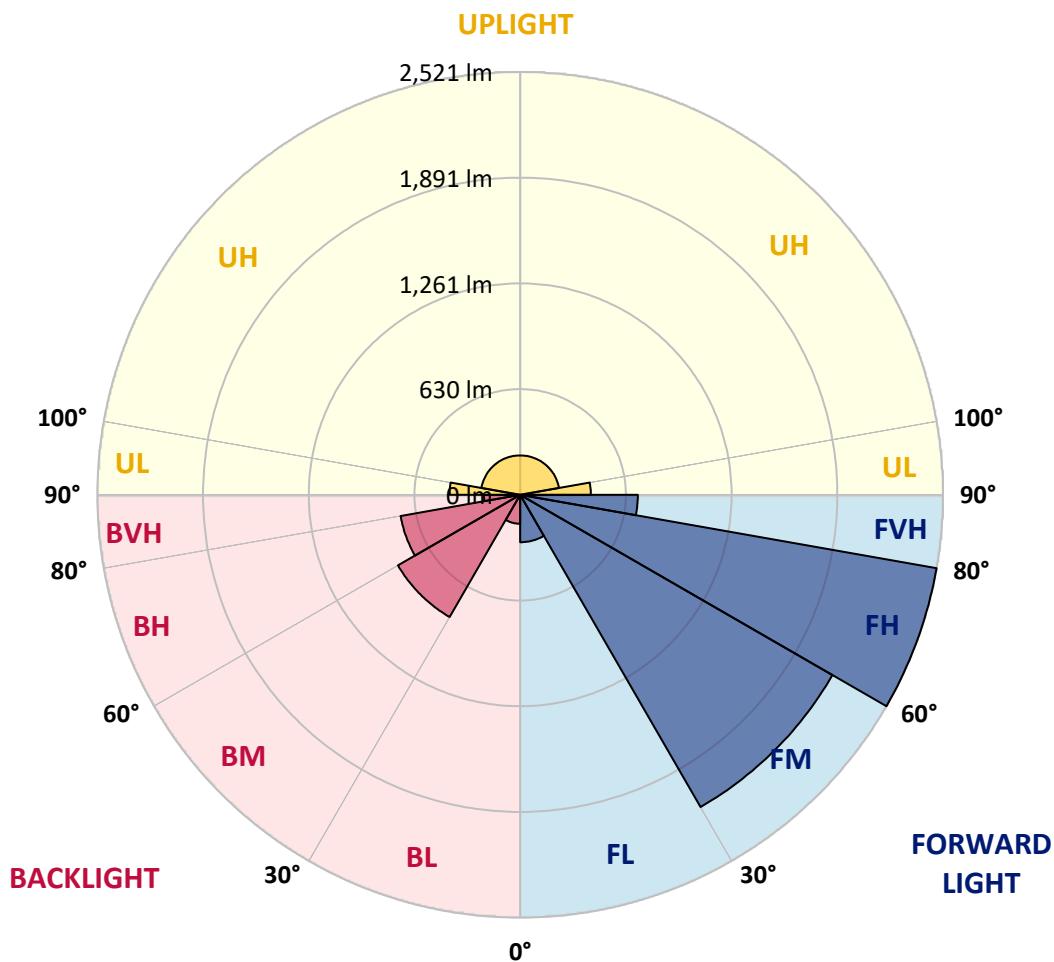
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.5	3.4			
FM (30°-60°)	2149.7	25.7			
FH (60°-80°)	2521.1	30.1			G2/5000
FVH (80°-90°)	701.2	8.4			G4/750
BL (0°-30°)	172.6	2.1	B1/500		
BM (30°-60°)	841.0	10.0	B1/1000		
BH (60°-80°)	724.0	8.6	B2/1000		G2/1000
BVH (80°-90°)	216.2	2.6			G2/225
UL (90°-100°)	421.2	5.0		U3/500	
UH (100°-180°)	234.9	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4
2.5°	315.2	312.2	312.2	310.2	309.2	306.3	304.3	297.3	294.3	294.3	289.4
5°	349.0	347.0	343.1	343.1	339.1	335.1	327.1	318.2	311.2	310.2	301.3
7.5°	390.8	385.8	385.8	380.8	374.9	367.9	357.0	345.0	334.1	333.1	319.2
10°	438.5	436.5	434.5	427.6	419.6	405.7	395.8	378.8	365.9	364.9	346.0
12.5°	497.2	494.2	488.2	481.3	467.3	457.4	439.5	420.6	403.7	404.7	382.8
15°	560.8	558.8	554.8	543.9	528.0	514.1	496.2	476.3	459.4	452.4	429.6
17.5°	633.4	629.4	624.5	612.5	594.6	580.7	556.8	537.9	516.1	517.1	484.2
20°	718.9	714.9	708.0	689.1	673.2	654.3	629.4	608.5	583.7	581.7	548.9
22.5°	803.4	805.4	788.5	768.6	753.7	731.8	708.0	681.1	659.3	657.3	619.5
25°	907.8	900.9	884.0	861.1	838.2	811.4	790.5	766.6	745.8	743.8	699.0
27.5°	1017.2	1011.3	988.4	959.6	928.7	898.9	881.0	856.1	840.2	837.2	791.5
30°	1136.5	1126.6	1105.7	1066.9	1024.2	990.4	972.5	963.5	948.6	944.6	897.9
32.5°	1270.8	1257.9	1227.0	1180.3	1118.6	1080.9	1072.9	1065.0	1059.0	1053.0	1009.3
35°	1404.0	1400.0	1354.3	1296.6	1236.0	1186.3	1172.3	1185.3	1181.3	1177.3	1130.6
37.5°	1544.2	1551.2	1501.5	1425.9	1342.4	1289.7	1279.7	1303.6	1314.5	1314.5	1258.9
40°	1709.3	1703.3	1653.6	1561.1	1463.7	1402.0	1405.0	1440.8	1467.7	1461.7	1407.0
42.5°	1873.4	1860.4	1794.8	1704.3	1581.0	1519.4	1519.4	1574.1	1614.8	1615.8	1558.2
45°	2034.4	2020.5	1958.9	1840.5	1706.3	1639.7	1653.6	1720.2	1786.9	1777.9	1721.2
47.5°	2181.6	2175.6	2112.0	1985.7	1834.6	1765.0	1792.8	1892.3	1964.8	1964.8	1902.2
50°	2325.8	2317.8	2258.2	2116.0	1963.8	1895.2	1937.0	2058.3	2150.8	2155.8	2083.2
52.5°	2450.1	2445.1	2389.4	2248.2	2091.1	2021.5	2084.2	2236.3	2342.7	2353.6	2277.1
55°	2539.6	2542.6	2499.8	2365.6	2206.5	2148.8	2234.3	2413.3	2539.6	2541.6	2459.0
57.5°	2605.2	2609.2	2580.3	2464.0	2307.9	2264.1	2379.5	2584.3	2727.5	2736.5	2628.1
60°	2633.0	2640.0	2631.1	2533.6	2398.4	2370.5	2509.7	2737.5	2896.5	2899.5	2769.3
62.5°	2618.1	2625.1	2643.0	2573.4	2464.0	2463.0	2636.0	2870.7	3028.8	3032.8	2876.7
65°	2550.5	2561.5	2606.2	2573.4	2487.9	2520.7	2719.6	2973.1	3115.3	3120.3	2918.4
67°	2460.0	2473.9	2539.6	2538.6	2487.9	2543.6	2760.3	3015.9	3139.2	3133.2	2896.5
67.5°	2439.1	2453.1	2518.7	2528.6	2480.9	2546.5	2765.3	3020.8	3130.2	3129.2	2882.6
70°	2262.2	2287.0	2382.5	2430.2	2429.2	2522.7	2763.3	2994.0	3069.6	3059.6	2766.3
72.5°	2058.3	2089.1	2205.5	2297.0	2326.8	2448.1	2690.7	2887.6	2912.5	2900.5	2548.5
75°	1848.5	1865.4	1986.7	2117.0	2192.5	2321.8	2554.5	2718.6	2683.8	2654.9	2276.1
77.5°	1626.8	1633.7	1769.0	1915.1	2006.6	2155.8	2351.6	2471.0	2385.5	2361.6	1965.8
80°	1369.2	1398.1	1533.3	1685.4	1798.8	1934.0	2099.1	2170.7	2027.5	2005.6	1635.7
82.5°	1158.4	1176.3	1299.6	1448.8	1576.0	1703.3	1810.7	1829.6	1679.5	1663.6	1314.5
85°	945.6	961.5	1090.8	1229.0	1348.3	1454.7	1526.3	1498.5	1342.4	1325.5	1039.1
87.5°	782.6	794.5	884.0	1024.2	1129.6	1206.1	1243.9	1209.1	1060.0	1036.1	802.4
90°	620.5	638.4	718.9	837.2	944.6	994.4	998.3	940.7	818.4	800.5	614.5
92.5°	501.2	513.1	589.7	688.1	772.6	810.4	800.5	751.7	639.4	618.5	475.3
95°	405.7	415.6	479.3	565.8	634.4	669.2	641.4	576.7	488.2	480.3	366.9
97.5°	337.1	339.1	388.8	466.4	521.0	538.9	517.1	458.4	381.8	365.9	281.4
100°	275.4	277.4	319.2	377.9	427.6	439.5	417.6	361.0	296.3	286.4	220.7
102.5°	223.7	228.7	260.5	313.2	350.0	359.0	336.1	286.4	228.7	221.7	172.0
105°	189.9	190.9	218.8	258.5	291.3	298.3	275.4	232.7	180.0	176.0	137.2
107.5°	161.1	161.1	183.0	217.8	243.6	247.6	229.7	189.9	142.2	138.2	111.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	138.2	139.2	155.1	183.0	206.8	209.8	191.9	152.1	113.4	110.4	90.5
112.5°	120.3	122.3	133.2	155.1	176.0	179.0	161.1	124.3	92.5	88.5	75.6
115°	106.4	107.4	115.3	133.2	150.1	152.1	134.2	102.4	74.6	71.6	63.6
117.5°	94.5	95.5	101.4	116.3	129.3	130.3	112.4	84.5	62.6	59.7	55.7
120°	85.5	85.5	90.5	100.4	111.4	111.4	94.5	69.6	51.7	50.7	47.7
122.5°	77.6	77.6	80.5	87.5	95.5	93.5	78.6	57.7	43.8	42.8	41.8
125°	70.6	70.6	72.6	76.6	81.5	78.6	64.6	47.7	37.8	36.8	36.8
127.5°	63.6	63.6	64.6	67.6	68.6	65.6	53.7	39.8	32.8	31.8	32.8
130°	57.7	57.7	57.7	57.7	57.7	55.7	43.8	32.8	27.8	27.8	28.8
132.5°	51.7	51.7	50.7	49.7	48.7	44.7	35.8	26.8	24.9	24.9	25.9
135°	45.7	45.7	44.7	42.8	39.8	34.8	26.8	21.9	20.9	20.9	21.9
137.5°	39.8	39.8	38.8	35.8	31.8	26.8	20.9	17.9	17.9	17.9	18.9
140°	33.8	33.8	32.8	29.8	24.9	19.9	15.9	13.9	14.9	14.9	15.9
142.5°	28.8	27.8	26.8	23.9	18.9	13.9	10.9	10.9	11.9	11.9	12.9
145°	22.9	21.9	20.9	17.9	13.9	9.9	8.0	8.0	8.9	8.9	9.9
147.5°	17.9	16.9	15.9	12.9	9.9	7.0	5.0	6.0	7.0	7.0	7.0
150°	11.9	11.9	11.9	9.9	6.0	4.0	3.0	4.0	4.0	4.0	5.0
152.5°	8.0	8.0	8.0	6.0	4.0	2.0	2.0	2.0	3.0	3.0	3.0
155°	5.0	5.0	5.0	4.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
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°	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4	285.4
2.5°	287.4	285.4	281.4	278.4	275.4	272.5	269.5	267.5	264.5	264.5	264.5
5°	297.3	292.3	284.4	278.4	271.5	266.5	260.5	256.5	253.6	252.6	252.6
7.5°	314.2	307.3	295.3	283.4	273.4	265.5	258.5	253.6	249.6	248.6	248.6
10°	338.1	329.1	310.2	296.3	283.4	272.5	263.5	256.5	253.6	251.6	251.6
12.5°	372.9	361.0	339.1	315.2	298.3	284.4	273.4	270.5	270.5	271.5	270.5
15°	414.6	402.7	372.9	345.0	320.2	304.3	298.3	298.3	297.3	299.3	299.3
17.5°	467.3	450.4	414.6	377.9	349.0	334.1	328.1	326.1	328.1	331.1	329.1
20°	530.0	505.1	460.4	414.6	383.8	368.9	359.0	357.0	360.0	361.9	362.9
22.5°	595.6	568.8	512.1	453.4	421.6	401.7	390.8	387.8	392.8	397.7	398.7
25°	670.2	640.4	567.8	500.2	455.4	428.6	418.6	417.6	425.6	432.5	432.5
27.5°	760.7	720.9	628.4	550.9	493.2	457.4	446.5	447.5	458.4	464.4	466.4
30°	855.1	810.4	698.0	597.6	523.0	480.3	468.3	473.3	484.2	496.2	498.2
32.5°	961.5	908.8	765.7	644.3	549.9	498.2	485.2	495.2	507.1	521.0	523.0
35°	1072.9	1002.3	835.3	687.1	571.8	512.1	497.2	509.1	524.0	537.0	540.9
37.5°	1199.2	1115.7	910.8	721.9	588.7	520.0	504.1	518.1	535.0	547.9	548.9
40°	1328.5	1232.0	982.4	754.7	600.6	525.0	508.1	522.0	537.9	548.9	549.9
42.5°	1463.7	1350.3	1049.0	781.6	606.6	525.0	506.1	520.0	535.0	540.9	541.9
45°	1621.8	1475.6	1117.7	800.5	608.5	523.0	503.1	514.1	525.0	527.0	530.0
47.5°	1780.9	1599.9	1176.3	814.4	607.5	518.1	498.2	507.1	514.1	512.1	515.1
50°	1948.9	1735.1	1233.0	823.3	602.6	513.1	491.2	499.2	501.2	495.2	495.2
52.5°	2110.0	1852.5	1276.7	824.3	595.6	507.1	486.2	492.2	491.2	480.3	481.3
55°	2271.1	1977.8	1313.5	815.4	585.7	501.2	481.3	485.2	482.3	469.3	467.3
57.5°	2409.3	2079.2	1329.4	802.4	574.7	495.2	478.3	482.3	476.3	461.4	460.4
60°	2526.7	2157.7	1330.4	784.5	561.8	490.2	475.3	480.3	475.3	457.4	455.4
62.5°	2599.2	2193.5	1304.6	756.7	548.9	484.2	475.3	479.3	473.3	455.4	454.4
65°	2611.2	2175.6	1262.8	724.9	534.0	478.3	473.3	478.3	472.3	453.4	451.4
67°	2564.4	2123.9	1206.1	695.1	521.0	473.3	469.3	476.3	469.3	451.4	448.5
67.5°	2548.5	2100.1	1193.2	691.1	518.1	471.3	468.3	474.3	468.3	450.4	447.5
70°	2409.3	1969.8	1095.8	647.3	499.2	461.4	461.4	466.4	460.4	443.5	438.5
72.5°	2194.5	1786.9	998.3	605.6	478.3	446.5	449.4	454.4	448.5	432.5	426.6
75°	1945.9	1581.0	889.9	556.8	454.4	431.5	433.5	438.5	432.5	415.6	410.7
77.5°	1669.5	1343.4	780.6	512.1	429.6	411.7	412.7	415.6	410.7	393.8	388.8
80°	1373.2	1107.7	669.2	461.4	400.7	386.8	387.8	387.8	380.8	366.9	362.9
82.5°	1106.7	899.9	570.8	416.6	368.9	359.0	359.0	358.0	349.0	337.1	331.1
85°	861.1	725.9	478.3	370.9	337.1	328.1	327.1	323.2	314.2	301.3	294.3
87.5°	675.2	574.7	402.7	327.1	305.3	299.3	293.3	284.4	277.4	266.5	260.5
90°	527.0	456.4	340.1	287.4	274.4	266.5	260.5	249.6	238.6	227.7	224.7
92.5°	412.7	361.0	283.4	250.6	242.6	236.7	228.7	216.8	206.8	193.9	194.9
95°	327.1	293.3	241.6	220.7	214.8	209.8	199.9	186.9	176.0	164.1	162.1
97.5°	256.5	233.7	202.8	191.9	189.9	184.0	174.0	161.1	149.2	136.2	136.2
100°	203.8	190.9	171.0	169.0	165.1	161.1	151.1	139.2	124.3	113.4	113.4
102.5°	164.1	153.1	146.2	146.2	145.2	141.2	131.3	119.3	104.4	93.5	93.5
105°	131.3	127.3	124.3	127.3	128.3	124.3	114.4	101.4	86.5	76.6	78.6
107.5°	109.4	106.4	106.4	110.4	112.4	108.4	99.4	85.5	71.6	64.6	64.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	90.5	89.5	91.5	96.5	97.4	94.5	85.5	72.6	59.7	53.7	54.7
112.5°	76.6	75.6	79.5	84.5	85.5	82.5	73.6	61.6	49.7	45.7	45.7
115°	64.6	65.6	68.6	72.6	74.6	71.6	63.6	52.7	40.8	38.8	38.8
117.5°	55.7	56.7	59.7	64.6	65.6	61.6	53.7	43.8	34.8	33.8	33.8
120°	48.7	49.7	52.7	55.7	56.7	52.7	45.7	36.8	29.8	28.8	28.8
122.5°	42.8	44.7	46.7	48.7	49.7	45.7	39.8	30.8	24.9	24.9	25.9
125°	37.8	38.8	40.8	42.8	42.8	38.8	32.8	25.9	21.9	21.9	21.9
127.5°	33.8	33.8	34.8	36.8	36.8	33.8	27.8	20.9	18.9	18.9	19.9
130°	29.8	30.8	30.8	30.8	30.8	27.8	22.9	17.9	15.9	16.9	16.9
132.5°	25.9	26.8	26.8	26.8	25.9	22.9	18.9	14.9	13.9	14.9	14.9
135°	22.9	22.9	22.9	22.9	20.9	18.9	14.9	11.9	11.9	12.9	12.9
137.5°	19.9	19.9	19.9	18.9	16.9	14.9	11.9	9.9	9.9	10.9	10.9
140°	15.9	16.9	15.9	14.9	12.9	10.9	8.9	8.0	8.9	8.9	8.9
142.5°	12.9	12.9	12.9	11.9	9.9	8.0	7.0	6.0	7.0	7.0	8.0
145°	9.9	9.9	9.9	8.9	7.0	5.0	5.0	5.0	6.0	6.0	6.0
147.5°	7.0	7.0	7.0	6.0	4.0	3.0	3.0	3.0	4.0	4.0	4.0
150°	5.0	5.0	5.0	4.0	2.0	1.0	1.0	2.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	2.0	1.0	0.0	1.0	2.0	2.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0
157.5°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	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)