

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: P414059

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414059
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-PA1-100-830-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7354 lumens
Efficiency: N/A
Efficacy: 76.6 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

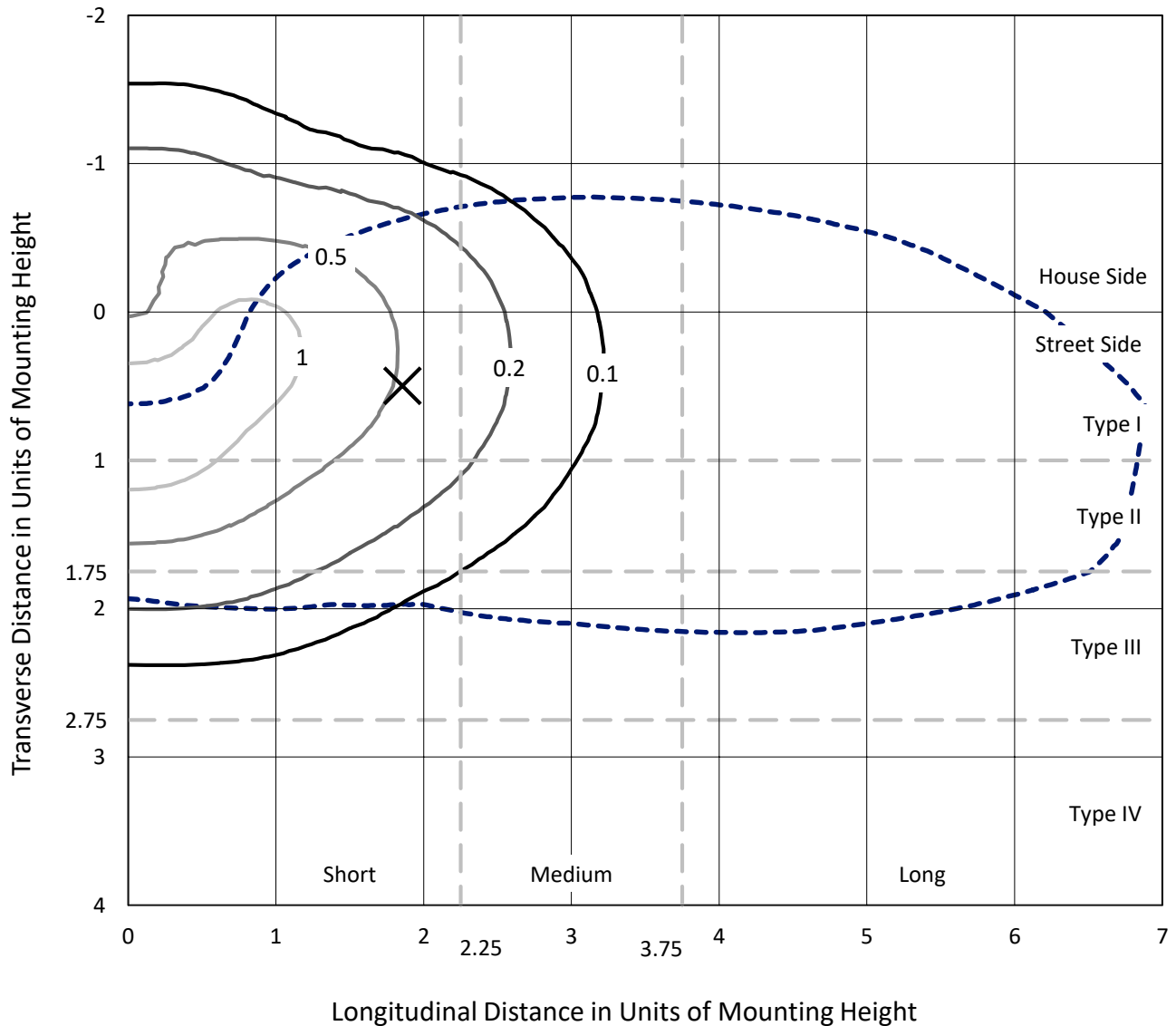
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

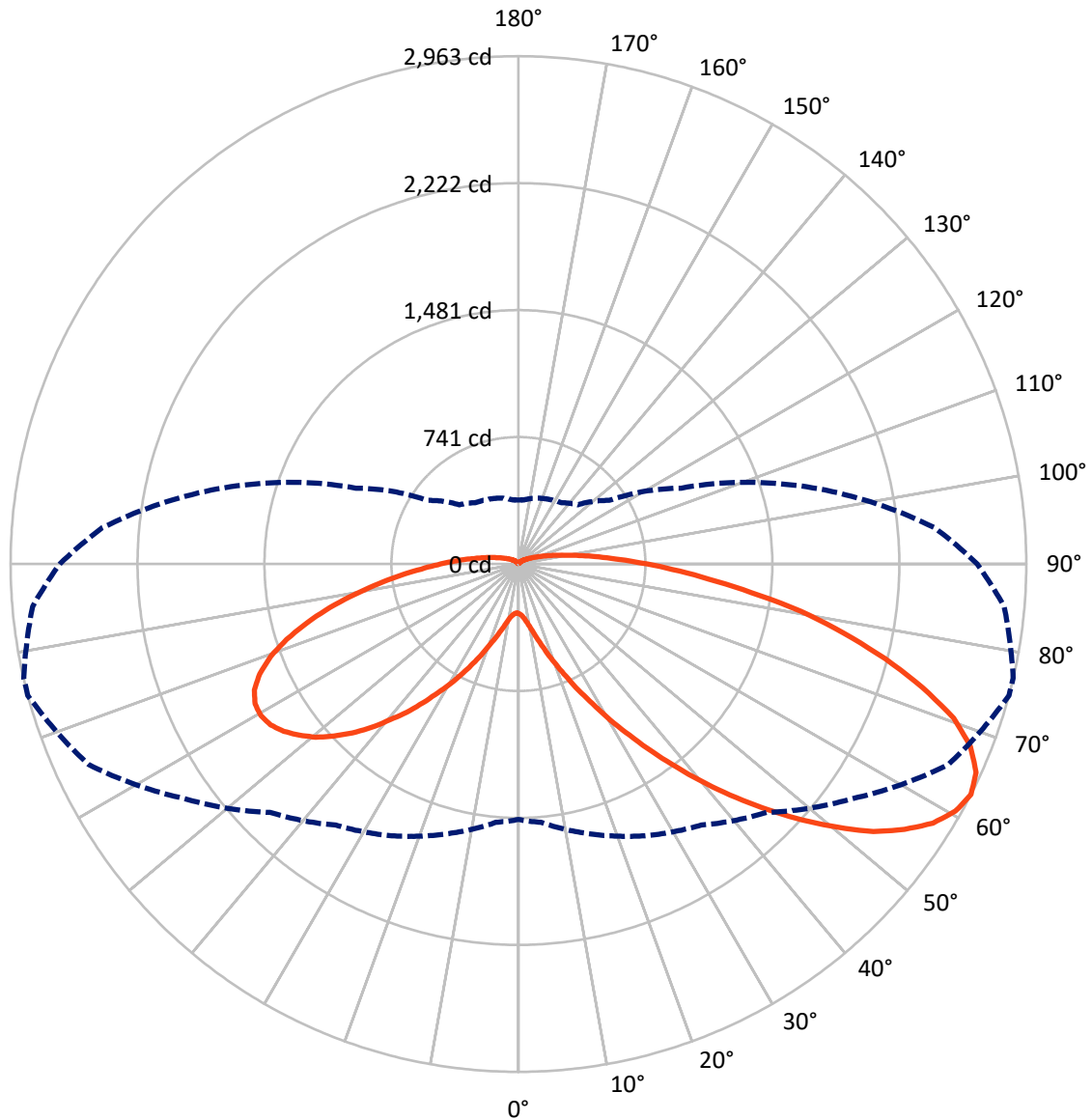
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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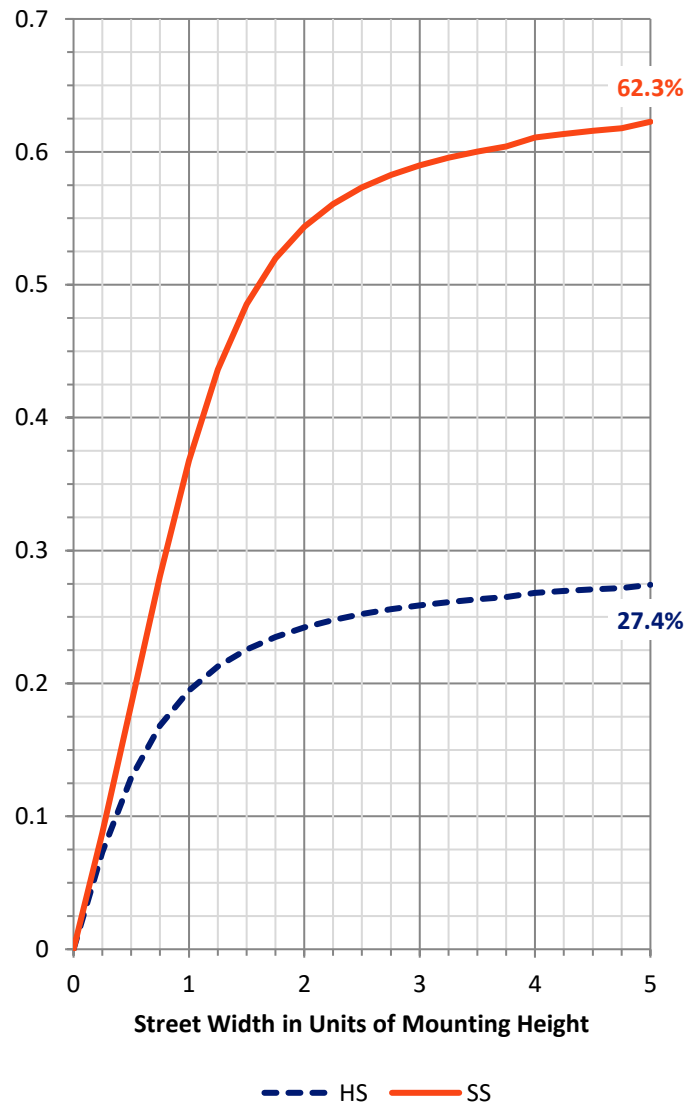
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2103.1	223.6	2326.7
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	4720.3	307.0	5027.3
	% Fixture	64.2	4.2	68.4
Total	Lumens	6823.3	530.7	7354.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.4
10°-20°	127.9	1.7
20°-30°	331.1	4.5
30°-40°	677.6	9.2
40°-50°	1123.7	15.3
50°-60°	1457.8	19.8
60°-70°	1435.8	19.5
70°-80°	1055.0	14.3
80°-90°	583.9	7.9
90°-100°	275.8	3.7
100°-110°	131.8	1.8
110°-120°	67.2	0.9
120°-130°	34.8	0.5
130°-140°	15.9	0.2
140°-150°	4.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6823.3	92.8
0°-180°	7354.0	100.0



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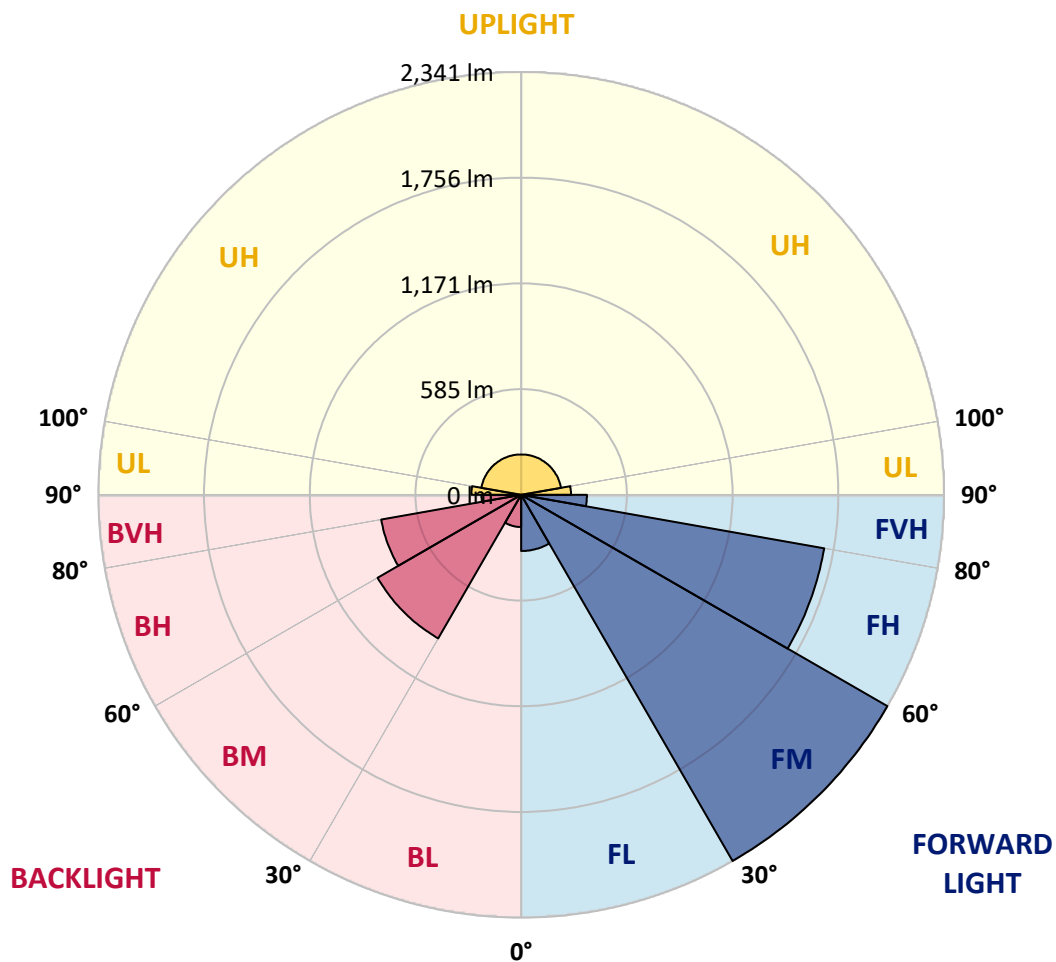
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.1	4.2			
FM	(30°-60°)	2341.1	31.8			
FH	(60°-80°)	1704.1	23.2			G1/1800
FVH	(80°-90°)	363.9	4.9			G3/500
BL	(0°-30°)	178.4	2.4	B1/500		
BM	(30°-60°)	918.0	12.5	B1/1000		
BH	(60°-80°)	786.7	10.7	B2/1000		G2/1000
BVH	(80°-90°)	220.0	3.0			G2/225
UL	(90°-100°)	275.8	3.7		U3/500	
UH	(100°-180°)	223.6	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°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	321.9	319.3	317.5	314.9	313.2	309.7	306.3	301.1	296.7	295.8	292.4
5°	355.7	351.4	351.4	347.0	341.0	336.6	329.7	321.0	314.1	309.7	306.3
7.5°	399.1	395.6	391.3	387.8	381.7	373.9	364.4	353.1	339.2	336.6	328.0
10°	447.7	445.9	442.5	435.5	427.7	417.3	404.3	390.4	374.8	372.2	357.4
12.5°	511.9	511.9	506.7	497.1	485.9	466.8	455.5	440.7	422.5	419.9	399.1
15°	590.8	587.4	580.4	563.9	550.9	535.3	521.4	502.3	478.0	473.7	454.6
17.5°	677.6	670.6	667.2	651.6	634.2	615.1	596.0	575.2	548.3	541.4	518.8
20°	774.8	779.1	766.1	748.7	722.7	703.6	681.9	655.0	625.5	620.3	593.4
22.5°	897.1	893.6	875.4	851.1	825.9	805.1	777.4	750.5	710.6	705.4	674.1
25°	1032.4	1029.0	1005.5	975.2	946.5	909.2	877.1	848.5	815.5	807.7	770.4
27.5°	1165.2	1182.5	1147.0	1109.7	1075.8	1034.2	996.0	959.6	922.3	916.2	877.1
30°	1346.5	1350.8	1309.2	1258.0	1212.0	1160.0	1120.1	1087.1	1055.0	1035.0	999.5
32.5°	1535.6	1521.8	1488.8	1426.3	1353.4	1295.3	1251.1	1220.7	1190.3	1179.9	1127.9
35°	1723.0	1723.0	1671.9	1587.7	1492.3	1433.3	1389.9	1371.7	1343.9	1327.4	1269.3
37.5°	1907.0	1904.4	1852.3	1753.4	1655.4	1574.7	1546.9	1526.1	1507.0	1490.5	1419.4
40°	2088.3	2084.0	2021.5	1925.2	1810.7	1727.4	1704.8	1708.3	1685.7	1663.2	1592.0
42.5°	2234.1	2232.3	2182.9	2086.6	1949.5	1875.7	1853.2	1874.0	1863.6	1841.9	1758.6
45°	2350.3	2342.5	2303.5	2205.4	2081.4	2003.3	2009.3	2059.7	2047.5	2037.1	1933.9
47.5°	2398.9	2398.0	2376.3	2291.3	2176.8	2122.1	2156.8	2227.1	2231.4	2222.8	2107.4
50°	2385.9	2389.4	2387.6	2335.6	2241.9	2214.1	2280.9	2400.6	2414.5	2405.8	2287.0
52.5°	2309.5	2311.3	2339.9	2317.3	2264.4	2272.2	2391.1	2544.7	2593.2	2569.8	2445.7
55°	2148.2	2169.9	2226.2	2239.3	2232.3	2285.2	2457.0	2659.2	2732.9	2725.1	2583.7
57.5°	1981.6	1971.2	2051.9	2114.3	2150.8	2250.5	2478.7	2740.7	2851.8	2841.4	2706.9
60°	1738.7	1754.3	1853.2	1942.5	2019.8	2167.2	2458.8	2784.1	2929.0	2922.9	2797.1
62.5°	1490.5	1513.1	1630.2	1749.1	1859.3	2049.3	2384.1	2767.6	2962.8	2962.0	2844.8
65°	1257.1	1281.4	1389.0	1533.0	1673.6	1889.6	2254.0	2697.3	2934.2	2935.9	2836.2
67.5°	1049.8	1062.8	1175.6	1334.4	1471.4	1702.2	2086.6	2558.5	2844.0	2853.5	2766.8
70°	865.0	874.5	983.9	1125.3	1284.0	1493.1	1883.5	2380.7	2693.0	2696.5	2641.8
72.5°	709.7	718.4	823.3	949.1	1095.8	1310.1	1674.5	2137.7	2465.7	2500.4	2449.2
75°	567.4	584.8	675.0	797.3	928.3	1119.2	1453.2	1876.6	2210.6	2240.1	2232.3
77.5°	462.4	485.9	557.9	662.8	783.4	949.1	1232.0	1618.9	1940.8	1965.1	1971.2
80°	373.1	390.4	462.4	555.3	657.6	801.7	1029.8	1367.3	1669.2	1671.9	1669.2
82.5°	302.8	315.8	380.0	464.2	554.4	674.1	863.3	1140.9	1369.1	1396.8	1402.0
85°	246.4	255.9	311.5	386.9	463.3	564.8	712.3	931.8	1112.3	1140.9	1131.3
87.5°	197.8	210.8	255.1	319.3	390.4	471.1	592.6	753.9	898.0	910.1	908.4
90°	162.2	166.6	210.8	265.5	329.7	391.3	484.1	607.3	714.9	736.6	721.8
92.5°	131.0	137.9	175.3	224.7	275.0	328.8	401.7	498.9	565.7	578.7	571.7
95°	110.2	113.7	147.5	188.3	231.6	280.2	331.4	398.2	447.7	452.0	453.8
97.5°	92.0	95.4	123.2	160.5	197.8	236.9	275.9	325.3	358.3	357.4	354.8
100°	79.0	80.7	105.8	139.7	172.7	201.3	231.6	262.0	282.0	288.0	278.5
102.5°	68.5	69.4	91.1	120.6	148.4	173.5	196.1	217.8	225.6	226.4	222.1
105°	60.7	61.6	79.8	104.1	129.3	148.4	165.7	178.7	182.2	182.2	177.0
107.5°	53.8	54.7	68.5	92.0	114.5	130.1	142.3	149.2	147.5	146.6	143.2
110°	49.5	49.5	60.7	81.6	99.8	113.7	123.2	124.1	119.7	119.7	116.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	45.1	45.1	53.8	72.0	88.5	100.6	106.7	105.0	98.9	97.2	97.2
115°	41.6	41.6	47.7	63.3	79.0	88.5	92.8	88.5	81.6	80.7	79.8
117.5°	39.0	39.0	43.4	56.4	69.4	78.1	80.7	76.3	68.5	67.7	67.7
120°	36.4	36.4	39.9	49.5	61.6	68.5	70.3	65.1	57.3	57.3	58.1
122.5°	34.7	34.7	36.4	44.2	54.7	60.7	60.7	55.5	48.6	48.6	49.5
125°	33.0	33.0	33.8	39.0	47.7	52.9	52.1	46.0	41.6	41.6	42.5
127.5°	31.2	31.2	31.2	34.7	41.6	46.0	45.1	39.0	35.6	35.6	37.3
130°	29.5	29.5	28.6	30.4	35.6	39.0	37.3	33.0	30.4	30.4	32.1
132.5°	27.8	27.8	26.0	26.9	30.4	32.1	30.4	26.9	26.0	26.0	26.9
135°	26.0	25.2	24.3	23.4	25.2	26.0	24.3	21.7	21.7	21.7	23.4
137.5°	23.4	23.4	21.7	20.0	20.0	20.0	19.1	16.5	17.4	18.2	19.1
140°	21.7	21.7	20.0	17.4	15.6	15.6	13.9	13.0	13.9	14.7	15.6
142.5°	19.1	19.1	17.4	14.7	12.1	10.4	9.5	8.7	10.4	11.3	11.3
145°	16.5	16.5	14.7	11.3	8.7	6.1	5.2	6.1	6.9	7.8	8.7
147.5°	13.9	13.0	11.3	8.7	4.3	2.6	1.7	3.5	4.3	4.3	5.2
150°	10.4	10.4	8.7	6.1	2.6	0.0	0.9	1.7	2.6	2.6	3.5
152.5°	7.8	6.9	6.1	3.5	0.0	0.0	0.0	0.0	0.9	1.7	1.7
155°	4.3	4.3	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	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°	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9	288.9
2.5°	290.6	288.0	284.6	282.0	279.4	275.9	274.2	271.6	271.6	271.6	273.3
5°	301.1	297.6	289.8	282.8	275.9	270.7	265.5	262.0	260.3	258.5	259.4
7.5°	320.1	315.8	303.7	291.5	282.0	272.4	265.5	259.4	256.8	255.9	255.9
10°	349.6	341.8	323.6	307.1	293.2	280.2	270.7	262.9	259.4	256.8	256.8
12.5°	389.5	378.3	356.6	334.0	313.2	295.8	282.0	275.9	273.3	271.6	272.4
15°	442.5	430.3	397.4	367.9	341.0	317.5	304.5	298.5	295.0	293.2	292.4
17.5°	504.1	486.7	446.8	408.6	374.8	348.8	332.3	322.7	316.7	313.2	314.1
20°	571.7	549.2	498.0	456.4	413.0	386.9	361.8	346.2	338.4	336.6	337.5
22.5°	648.1	624.7	565.7	504.9	459.8	420.8	390.4	370.5	360.9	360.1	360.1
25°	738.3	707.1	637.7	561.3	503.2	453.8	418.2	393.9	383.5	380.0	380.0
27.5°	840.7	799.1	713.2	625.5	545.7	483.2	441.6	413.8	402.6	400.0	400.0
30°	953.5	910.1	800.8	686.3	586.5	509.3	462.4	432.9	418.2	414.7	415.6
32.5°	1077.6	1021.2	883.2	751.3	622.1	530.1	476.3	446.8	430.3	426.0	426.0
35°	1212.0	1146.1	981.2	814.7	655.9	546.6	486.7	456.4	438.1	433.8	432.9
37.5°	1363.0	1280.6	1082.8	872.8	682.8	557.0	493.7	462.4	442.5	436.4	435.5
40°	1520.9	1426.3	1176.5	925.7	705.4	563.1	495.4	465.0	444.2	434.7	433.8
42.5°	1668.4	1564.3	1283.2	974.3	719.2	565.7	494.5	464.2	442.5	429.5	428.6
45°	1831.5	1704.0	1381.2	1018.6	727.9	563.9	491.1	459.8	439.0	422.5	420.8
47.5°	2002.4	1855.8	1471.4	1050.7	731.4	558.7	486.7	456.4	432.9	414.7	413.0
50°	2156.8	1985.9	1555.6	1075.8	729.6	550.9	479.8	451.1	427.7	406.9	405.2
52.5°	2307.8	2122.1	1621.5	1089.7	721.0	542.2	473.7	445.1	421.7	400.0	397.4
55°	2444.9	2229.7	1680.5	1095.8	709.7	531.0	465.0	439.9	416.4	393.0	390.4
57.5°	2550.7	2331.2	1723.9	1088.0	692.3	518.0	456.4	432.1	410.4	386.9	384.3
60°	2628.8	2398.0	1743.9	1073.2	672.4	503.2	445.9	424.3	404.3	381.7	379.1
62.5°	2675.7	2435.3	1739.5	1047.2	647.2	488.5	436.4	416.4	398.2	375.7	373.9
65°	2667.8	2420.6	1706.6	1005.5	620.3	469.4	421.7	406.0	389.5	368.7	366.1
67.5°	2604.5	2360.7	1639.8	953.5	590.0	450.3	407.8	392.2	378.3	360.1	354.8
70°	2491.7	2250.5	1543.4	888.4	555.3	428.6	391.3	376.5	364.4	347.0	341.8
72.5°	2301.7	2090.0	1421.1	820.7	518.0	403.4	369.6	357.4	344.4	330.6	324.5
75°	2084.8	1888.8	1277.1	740.9	478.0	378.3	347.0	334.9	322.7	308.0	302.8
77.5°	1848.8	1660.6	1127.9	670.6	437.3	349.6	321.9	311.5	299.3	283.7	277.6
80°	1566.9	1416.8	969.1	590.0	396.5	321.9	295.8	284.6	271.6	256.8	250.7
82.5°	1312.7	1179.9	822.5	517.1	355.7	293.2	270.7	254.2	242.1	227.3	216.9
85°	1073.2	980.4	689.7	444.2	317.5	263.7	241.2	227.3	213.4	196.1	189.1
87.5°	863.3	784.3	566.5	383.5	280.2	235.1	214.3	200.4	184.8	166.6	160.5
90°	682.8	634.2	471.1	329.7	248.1	210.8	190.0	175.3	157.9	141.4	137.9
92.5°	541.4	507.5	389.5	280.2	218.6	186.5	167.4	152.7	135.3	118.9	113.7
95°	435.5	402.6	319.3	244.7	191.7	164.0	147.5	133.6	116.3	99.8	96.3
97.5°	347.9	321.9	262.0	205.6	168.3	145.8	131.0	116.3	98.9	84.2	82.4
100°	272.4	256.8	216.9	177.0	148.4	129.3	115.4	102.4	85.0	70.3	69.4
102.5°	217.8	209.1	180.5	152.7	130.1	114.5	103.2	89.4	73.7	59.9	59.0
105°	175.3	170.0	150.1	131.0	115.4	102.4	92.0	78.1	62.5	51.2	51.2
107.5°	142.3	137.9	125.8	111.9	101.5	92.0	80.7	68.5	53.8	44.2	44.2
110°	116.3	114.5	106.7	97.2	89.4	81.6	71.1	59.0	46.0	39.0	39.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	97.2	96.3	90.2	85.0	79.0	72.0	63.3	52.1	39.9	33.8	34.7
115°	80.7	80.7	77.2	73.7	69.4	64.2	55.5	44.2	33.8	30.4	30.4
117.5°	68.5	67.7	66.8	64.2	61.6	56.4	47.7	38.2	28.6	26.9	27.8
120°	59.0	59.0	57.3	56.4	53.8	48.6	41.6	32.1	24.3	24.3	24.3
122.5°	50.3	51.2	49.5	48.6	46.9	43.4	35.6	26.9	21.7	20.8	21.7
125°	44.2	44.2	43.4	42.5	40.8	36.4	30.4	22.6	18.2	19.1	19.1
127.5°	37.3	38.2	37.3	36.4	35.6	31.2	25.2	18.2	15.6	16.5	16.5
130°	33.0	33.0	32.1	31.2	29.5	26.0	20.8	14.7	13.9	14.7	14.7
132.5°	27.8	27.8	27.8	26.0	24.3	21.7	16.5	12.1	11.3	13.0	13.0
135°	23.4	23.4	23.4	21.7	20.0	16.5	12.1	9.5	9.5	11.3	11.3
137.5°	19.1	20.0	19.1	17.4	15.6	13.0	9.5	6.9	7.8	9.5	9.5
140°	15.6	15.6	14.7	13.9	11.3	8.7	6.1	5.2	6.9	7.8	7.8
142.5°	12.1	12.1	11.3	9.5	7.8	6.1	3.5	3.5	5.2	6.1	6.1
145°	8.7	8.7	7.8	6.1	4.3	2.6	0.9	1.7	3.5	4.3	4.3
147.5°	5.2	5.2	5.2	4.3	2.6	0.9	0.0	0.9	1.7	2.6	2.6
150°	3.5	3.5	3.5	2.6	1.7	0.0	0.0	0.0	0.9	1.7	1.7
152.5°	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.9	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)