

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: P414020

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6986 lumens
Efficiency: N/A
Efficacy: 72.8 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 - G3

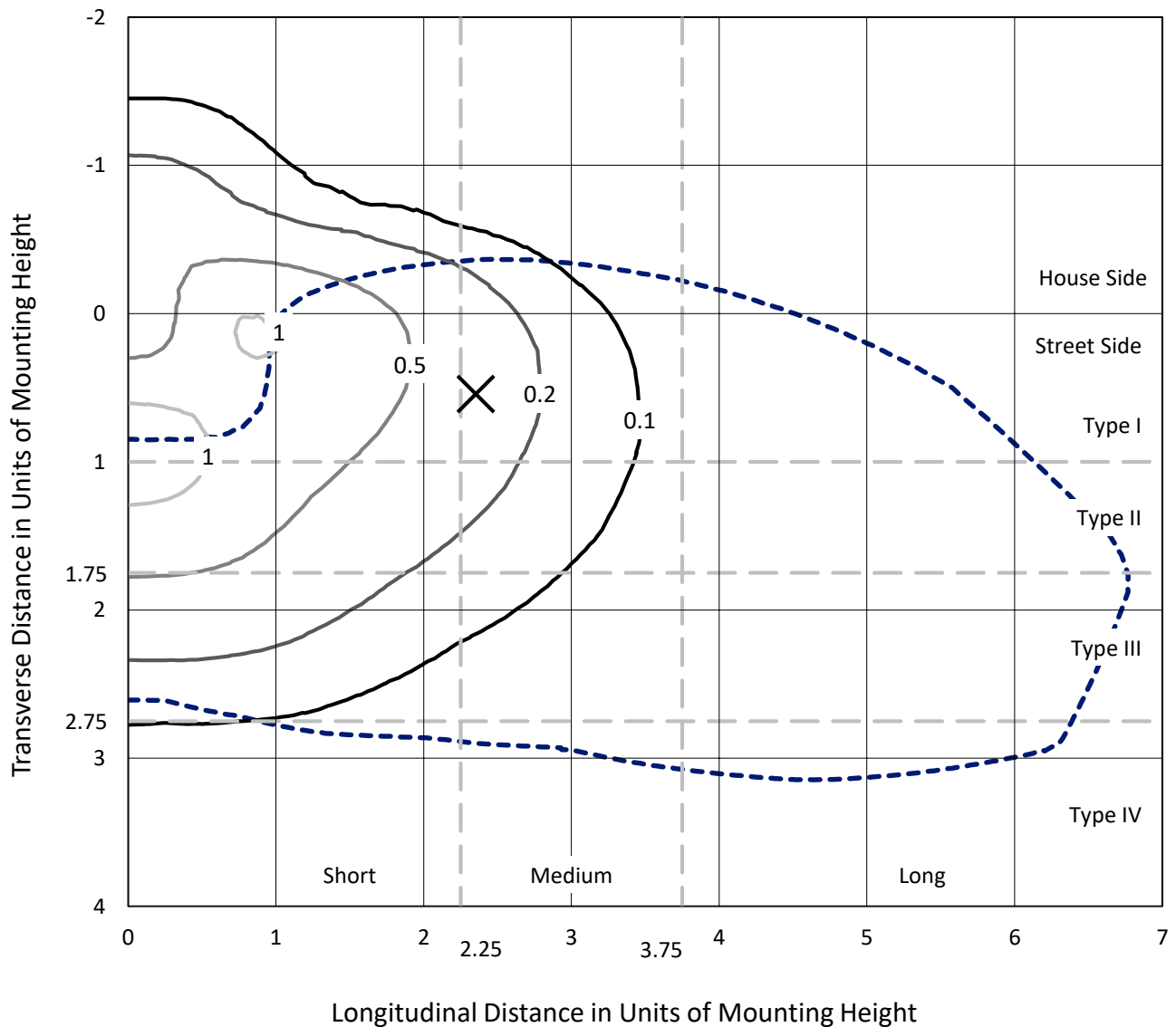
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

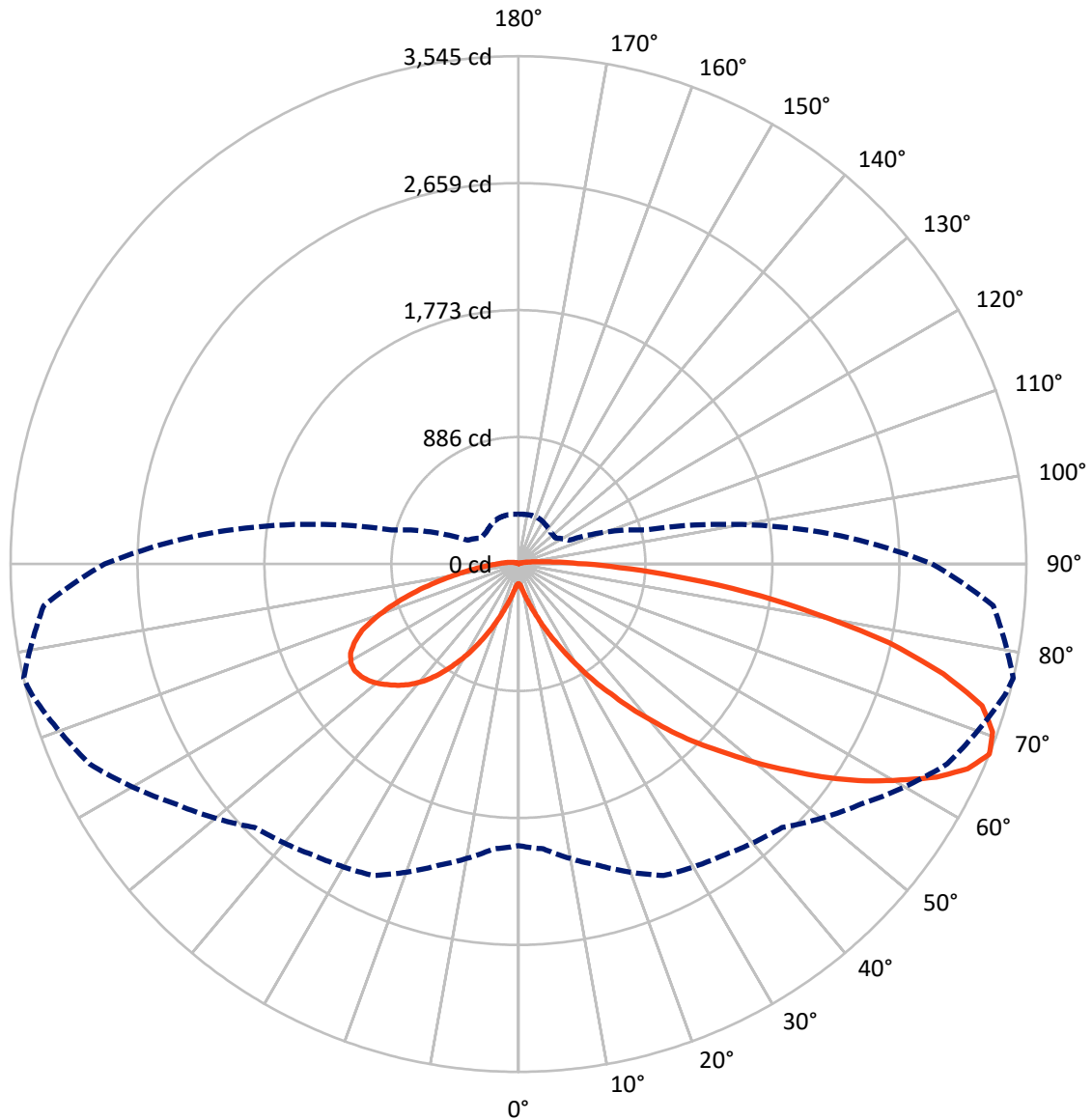


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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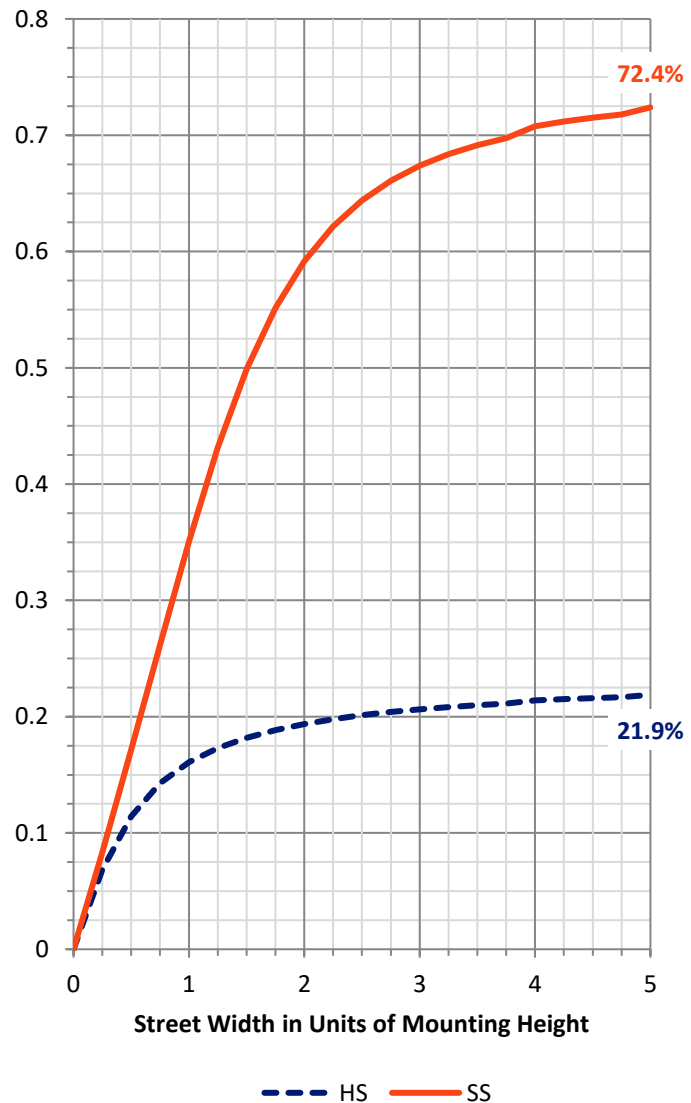
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.8	104.9	1698.7
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5170.4	116.9	5287.2
	% Fixture	74.0	1.7	75.7
Total	Lumens	6764.2	221.8	6986.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.2
10°-20°	81.0	1.2
20°-30°	242.1	3.5
30°-40°	536.2	7.7
40°-50°	960.1	13.7
50°-60°	1438.0	20.6
60°-70°	1695.0	24.3
70°-80°	1294.1	18.5
80°-90°	501.7	7.2
90°-100°	127.9	1.8
100°-110°	48.4	0.7
110°-120°	22.7	0.3
120°-130°	12.1	0.2
130°-140°	6.7	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6764.2	96.8
0°-180°	6986.0	100.0



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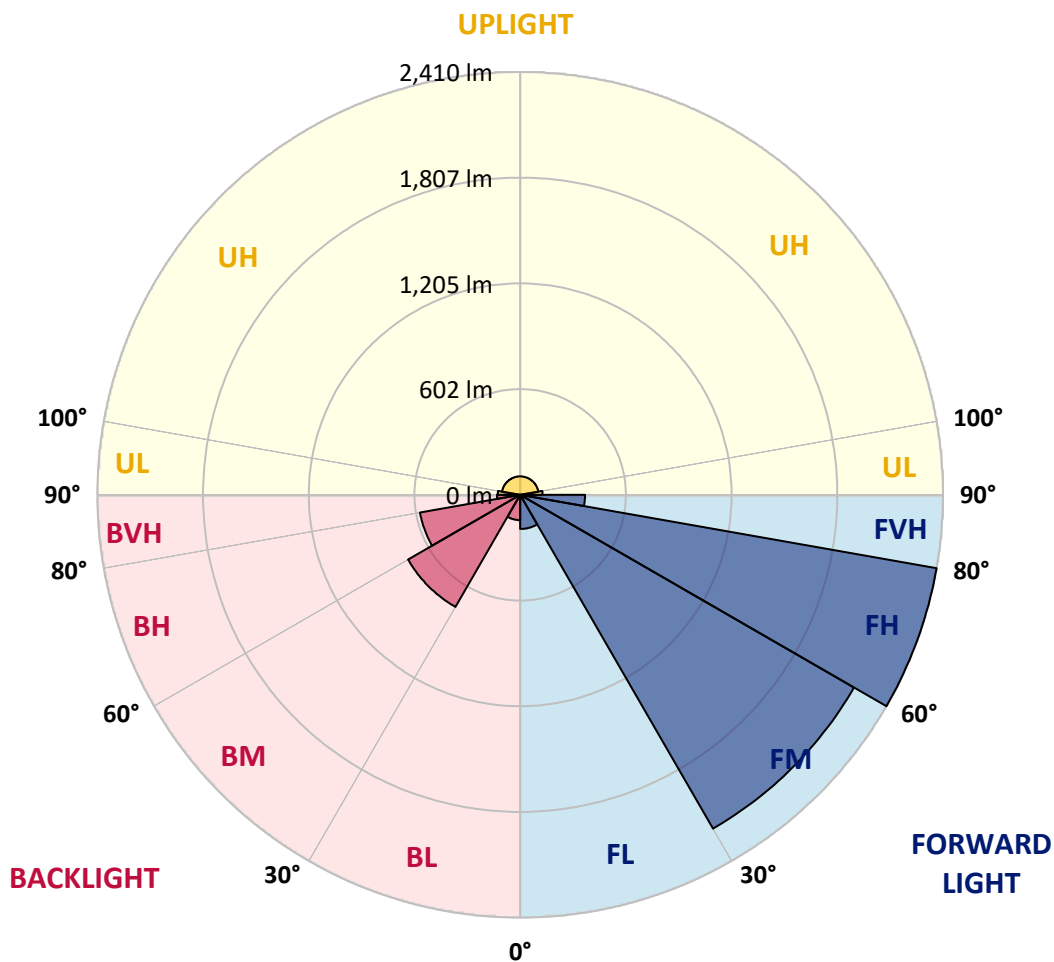
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.7	2.8			
FM	(30°-60°)	2196.6	31.4			
FH	(60°-80°)	2409.6	34.5			G2/5000
FVH	(80°-90°)	369.5	5.3			G3/500
BL	(0°-30°)	144.3	2.1	B1/500		
BM	(30°-60°)	737.8	10.6	B1/1000		
BH	(60°-80°)	579.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	132.2	1.9			G2/225
UL	(90°-100°)	127.9	1.8		U3/500	
UH	(100°-180°)	104.9	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2
2.5°	145.3	144.5	145.3	145.3	146.1	144.5	142.9	142.1	141.3	141.3	140.5
5°	160.5	158.9	159.7	160.5	159.7	158.1	155.7	154.9	153.3	153.3	151.7
7.5°	182.2	182.2	181.4	179.8	181.4	179.0	177.4	176.6	174.2	173.4	172.6
10°	215.1	213.5	212.7	211.1	209.5	208.7	205.5	205.5	201.5	203.1	200.6
12.5°	257.6	254.4	255.2	252.0	247.2	244.0	242.4	241.6	241.6	241.6	240.8
15°	309.0	306.6	305.8	298.6	293.7	289.7	286.5	287.3	291.3	292.1	288.9
17.5°	367.6	371.6	364.4	358.0	350.7	342.7	342.7	342.7	345.9	348.3	346.7
20°	449.5	441.4	433.4	423.0	410.9	404.5	401.3	410.9	416.5	420.6	419.0
22.5°	539.3	531.3	522.5	505.6	488.8	476.7	476.7	488.8	501.6	506.4	508.0
25°	641.3	646.1	624.4	598.7	568.2	557.8	559.4	577.1	596.3	600.3	610.0
27.5°	767.3	767.3	748.8	707.9	667.8	646.9	648.5	677.4	706.3	711.9	719.1
30°	920.6	915.0	890.1	835.5	782.5	743.2	750.4	785.7	831.5	836.3	845.1
32.5°	1091.5	1090.7	1042.6	975.1	898.9	852.4	855.6	906.9	963.9	977.6	987.2
35°	1280.9	1285.8	1223.1	1125.2	1036.9	974.3	984.8	1043.4	1110.0	1113.2	1125.2
37.5°	1497.6	1495.2	1420.6	1313.8	1182.2	1115.6	1107.6	1187.0	1256.9	1277.7	1271.3
40°	1737.6	1711.9	1639.7	1507.3	1345.1	1256.1	1257.7	1339.5	1434.2	1440.7	1439.0
42.5°	1974.4	1963.1	1875.7	1696.7	1523.3	1418.2	1422.2	1500.8	1598.8	1623.6	1606.0
45°	2229.6	2201.5	2106.8	1922.2	1711.1	1597.2	1586.7	1675.0	1782.6	1801.8	1785.0
47.5°	2435.9	2418.2	2334.7	2138.1	1912.6	1766.5	1750.5	1858.8	1981.6	1983.2	1958.3
50°	2606.8	2598.0	2532.2	2358.0	2107.6	1955.9	1939.1	2046.6	2175.0	2195.9	2159.8
52.5°	2754.5	2740.0	2707.1	2535.4	2285.0	2118.0	2115.6	2233.6	2394.1	2403.8	2369.2
55°	2801.8	2810.7	2805.9	2684.7	2459.1	2278.6	2298.6	2457.5	2601.2	2634.9	2569.9
57.5°	2794.6	2794.6	2840.4	2785.0	2575.5	2423.8	2467.2	2659.0	2846.0	2856.4	2778.6
60°	2685.5	2687.9	2797.8	2813.1	2659.0	2548.2	2650.2	2863.6	3055.5	3061.9	2988.8
62.5°	2528.2	2522.5	2683.9	2760.9	2669.4	2622.1	2781.0	3042.6	3252.9	3274.6	3164.6
65°	2282.6	2293.0	2467.2	2620.5	2614.8	2650.2	2882.9	3203.9	3413.4	3444.7	3285.8
67.5°	1965.5	1996.0	2179.0	2398.9	2484.0	2601.2	2920.6	3302.7	3517.8	3545.0	3326.7
70°	1628.5	1621.2	1819.5	2095.6	2261.7	2476.0	2878.9	3306.7	3520.2	3511.3	3239.3
72.5°	1235.2	1265.7	1443.9	1724.8	1971.2	2238.4	2743.3	3203.9	3385.3	3383.7	3008.1
75°	878.0	896.5	1053.8	1334.7	1628.5	1960.7	2472.8	2980.0	3113.3	3065.1	2673.4
77.5°	579.5	596.3	732.0	988.0	1260.1	1611.6	2109.2	2589.2	2695.1	2645.3	2246.5
80°	360.4	368.4	471.1	674.2	915.8	1248.8	1707.9	2117.2	2159.0	2108.4	1729.6
82.5°	214.3	220.7	294.6	432.6	652.5	909.3	1287.4	1622.8	1636.5	1602.0	1247.2
85°	131.6	140.5	187.8	288.9	435.0	641.3	897.3	1127.6	1137.3	1097.1	824.3
87.5°	85.9	90.7	127.6	187.8	292.9	429.4	601.1	750.4	728.8	703.9	520.9
90°	58.6	61.8	87.5	129.2	198.2	284.1	380.4	469.5	435.0	415.7	316.2
92.5°	40.9	44.1	64.2	93.1	137.2	190.2	247.2	280.9	266.5	257.6	199.0
95°	32.1	33.7	49.0	72.2	101.9	134.8	163.7	174.2	165.3	158.9	134.0
97.5°	25.7	27.3	40.9	58.6	79.5	100.3	114.0	117.2	108.3	105.1	93.1
100°	21.7	23.3	34.5	49.0	65.0	79.5	85.1	84.3	77.0	75.4	67.4
102.5°	19.3	20.1	30.5	42.5	55.4	64.2	67.4	63.4	56.2	55.4	50.6
105°	16.9	18.5	26.5	36.9	47.4	54.6	54.6	49.8	41.7	40.9	38.5
107.5°	16.1	16.1	23.3	32.1	40.9	45.7	45.7	40.1	32.9	31.3	29.7
110°	14.4	15.2	20.9	28.1	35.3	39.3	38.5	32.1	24.9	24.1	23.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.6	13.6	18.5	24.9	30.5	33.7	32.1	26.5	20.1	19.3	18.5
115°	12.8	12.8	16.9	22.5	27.3	29.7	27.3	21.7	16.1	15.2	16.1
117.5°	12.0	12.8	15.2	20.1	24.1	25.7	23.3	18.5	13.6	12.8	13.6
120°	12.0	12.0	14.4	17.7	20.9	22.5	20.1	15.2	11.2	11.2	12.0
122.5°	12.0	12.0	13.6	16.1	18.5	19.3	16.9	12.8	10.4	10.4	11.2
125°	11.2	11.2	12.8	14.4	16.9	16.9	15.2	11.2	8.8	8.8	10.4
127.5°	11.2	11.2	12.0	13.6	15.2	15.2	12.8	9.6	8.0	8.8	9.6
130°	10.4	10.4	11.2	12.0	13.6	12.8	11.2	8.8	7.2	8.0	8.8
132.5°	10.4	10.4	10.4	11.2	12.0	11.2	9.6	7.2	7.2	7.2	8.0
135°	9.6	9.6	10.4	10.4	10.4	9.6	8.0	6.4	6.4	6.4	7.2
137.5°	9.6	9.6	9.6	9.6	9.6	8.8	7.2	5.6	5.6	5.6	6.4
140°	8.8	8.8	8.8	8.0	8.0	7.2	5.6	4.8	4.8	4.8	5.6
142.5°	8.0	8.0	8.0	7.2	7.2	5.6	4.8	4.0	4.0	4.8	4.8
145°	7.2	7.2	7.2	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.8
147.5°	5.6	5.6	5.6	5.6	4.0	4.0	2.4	3.2	3.2	4.0	4.0
150°	4.8	4.8	4.8	4.8	3.2	2.4	1.6	2.4	3.2	3.2	3.2
152.5°	4.0	4.0	4.0	4.0	2.4	1.6	1.6	2.4	2.4	2.4	3.2
155°	2.4	2.4	3.2	2.4	1.6	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
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°	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2
2.5°	139.7	140.5	139.7	138.8	138.8	138.0	138.0	138.0	138.0	137.2	137.2
5°	152.5	151.7	150.9	149.3	147.7	146.1	146.1	145.3	144.5	143.7	143.7
7.5°	170.1	170.1	168.5	166.1	163.7	162.1	160.5	159.7	157.3	157.3	156.5
10°	197.4	197.4	192.6	190.2	186.2	182.2	180.6	178.2	176.6	175.8	175.0
12.5°	236.8	234.4	229.5	221.5	213.5	207.1	203.1	201.5	202.3	202.3	203.1
15°	287.3	282.5	275.3	260.0	245.6	236.0	233.6	233.6	234.4	234.4	235.2
17.5°	347.5	340.3	324.2	305.0	284.1	271.3	265.7	265.7	267.3	269.7	272.1
20°	420.6	414.1	389.3	355.5	324.2	307.4	297.8	297.0	300.2	307.4	305.8
22.5°	503.2	496.0	459.1	410.1	366.8	339.5	329.1	332.3	340.3	345.1	345.1
25°	602.7	590.7	535.3	463.9	408.5	370.0	356.4	361.2	373.2	378.8	381.2
27.5°	709.5	693.4	619.6	522.5	441.4	394.9	380.4	386.8	401.3	410.1	412.5
30°	836.3	808.2	707.9	577.1	471.1	412.5	397.3	409.3	425.4	435.8	438.2
32.5°	969.5	926.2	784.1	623.6	492.8	424.6	409.3	423.8	441.4	453.5	454.3
35°	1102.8	1053.0	868.4	661.3	504.0	430.2	414.1	431.0	450.3	459.9	462.3
37.5°	1247.2	1178.2	941.4	685.4	508.8	429.4	414.1	431.0	449.5	457.5	459.1
40°	1386.1	1301.0	1006.4	699.9	507.2	423.0	408.5	426.2	442.2	447.8	447.0
42.5°	1541.8	1419.8	1058.6	700.7	496.0	413.3	401.3	416.5	427.8	427.0	427.8
45°	1690.3	1545.8	1097.1	695.0	480.8	401.3	391.7	405.3	409.3	405.3	404.5
47.5°	1853.2	1671.0	1127.6	680.6	462.3	390.1	381.2	391.7	392.5	383.6	382.0
50°	2025.7	1796.2	1155.7	654.1	440.6	377.2	371.6	380.4	378.8	364.4	362.0
52.5°	2194.3	1923.0	1173.4	622.0	419.0	366.0	363.6	372.4	367.6	350.7	347.5
55°	2374.1	2040.2	1176.6	589.9	398.1	356.4	356.4	366.0	360.4	342.7	340.3
57.5°	2549.8	2163.0	1164.6	548.2	378.0	345.9	350.7	362.0	358.0	340.3	338.7
60°	2714.4	2255.3	1131.7	508.8	359.6	338.7	346.7	359.6	356.4	341.9	340.3
62.5°	2842.0	2316.3	1079.5	470.3	343.5	331.5	342.7	355.5	356.4	344.3	345.1
65°	2901.4	2316.3	1004.0	431.8	329.1	324.2	338.7	353.1	354.7	347.5	347.5
67.5°	2888.5	2256.9	919.0	391.7	315.4	315.4	333.1	348.3	351.5	348.3	348.3
70°	2752.9	2096.4	802.6	359.6	301.8	305.0	324.2	340.3	345.1	345.9	345.1
72.5°	2532.2	1854.8	682.2	325.9	287.3	294.6	313.0	329.1	335.5	337.1	336.3
75°	2191.1	1574.7	564.2	297.8	272.1	280.9	300.2	313.8	321.0	324.2	322.6
77.5°	1760.9	1249.6	462.3	269.7	254.4	264.1	282.5	293.7	302.6	306.6	303.4
80°	1341.9	930.2	367.6	241.6	232.8	243.2	259.2	271.3	279.3	280.9	278.5
82.5°	952.7	659.7	294.6	215.1	209.5	218.3	232.8	240.8	250.4	249.6	244.8
85°	624.4	447.8	231.1	187.0	184.6	190.2	201.5	206.3	215.9	215.9	210.3
87.5°	406.1	297.0	182.2	157.3	159.7	164.5	170.1	174.2	178.2	179.0	174.2
90°	259.2	203.1	145.3	134.0	136.4	140.5	140.5	139.7	146.1	147.7	143.7
92.5°	170.1	144.5	120.4	114.0	115.6	116.4	116.4	113.2	118.8	119.6	116.4
95°	119.6	108.3	99.5	97.9	97.9	97.9	96.3	92.3	97.1	97.1	95.5
97.5°	89.9	84.3	83.5	83.5	83.5	82.7	80.3	78.7	80.3	80.3	79.5
100°	67.4	66.6	69.0	70.6	71.4	70.6	69.0	66.6	66.6	63.4	64.2
102.5°	51.4	53.0	57.8	60.2	60.2	60.2	59.4	56.2	54.6	51.4	50.6
105°	40.1	41.7	47.4	50.6	51.4	52.2	50.6	47.4	44.1	40.9	40.1
107.5°	31.3	33.7	38.5	42.5	44.1	44.1	43.3	40.1	36.1	32.1	32.1
110°	25.7	27.3	32.1	36.1	37.7	37.7	36.9	32.9	28.9	25.7	25.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.9	22.5	27.3	30.5	32.1	32.9	31.3	28.1	24.1	20.9	20.9
115°	17.7	19.3	23.3	25.7	27.3	27.3	26.5	23.3	20.1	17.7	17.7
117.5°	15.2	16.9	20.1	22.5	23.3	24.1	22.5	20.1	16.9	15.2	15.2
120°	13.6	14.4	17.7	19.3	20.1	20.1	19.3	16.9	14.4	13.6	13.6
122.5°	12.0	13.6	15.2	16.9	17.7	17.7	16.9	14.4	12.8	12.0	12.8
125°	11.2	12.0	13.6	15.2	15.2	15.2	14.4	12.8	11.2	11.2	11.2
127.5°	10.4	11.2	12.0	12.8	13.6	13.6	12.8	11.2	10.4	10.4	10.4
130°	9.6	10.4	11.2	11.2	12.0	12.0	11.2	9.6	9.6	9.6	9.6
132.5°	8.8	9.6	9.6	10.4	10.4	10.4	9.6	8.8	8.8	8.8	8.8
135°	8.0	8.0	8.8	8.8	8.8	8.8	8.0	8.0	8.0	8.0	8.0
137.5°	7.2	7.2	8.0	7.2	8.0	7.2	7.2	6.4	7.2	7.2	7.2
140°	6.4	6.4	6.4	6.4	6.4	6.4	5.6	5.6	6.4	6.4	6.4
142.5°	5.6	5.6	5.6	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6
145°	4.8	4.8	4.8	4.0	4.0	3.2	4.0	4.0	4.8	4.8	4.8
147.5°	4.0	4.0	4.0	4.0	3.2	2.4	2.4	3.2	4.0	4.0	4.0
150°	3.2	4.0	4.0	3.2	2.4	1.6	1.6	2.4	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	1.6	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	0.8	0.8
160°	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)