

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: P417127

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417127
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-PA1-90-730-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8323 lumens
Efficiency: N/A
Efficacy: 88.5 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): 94
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



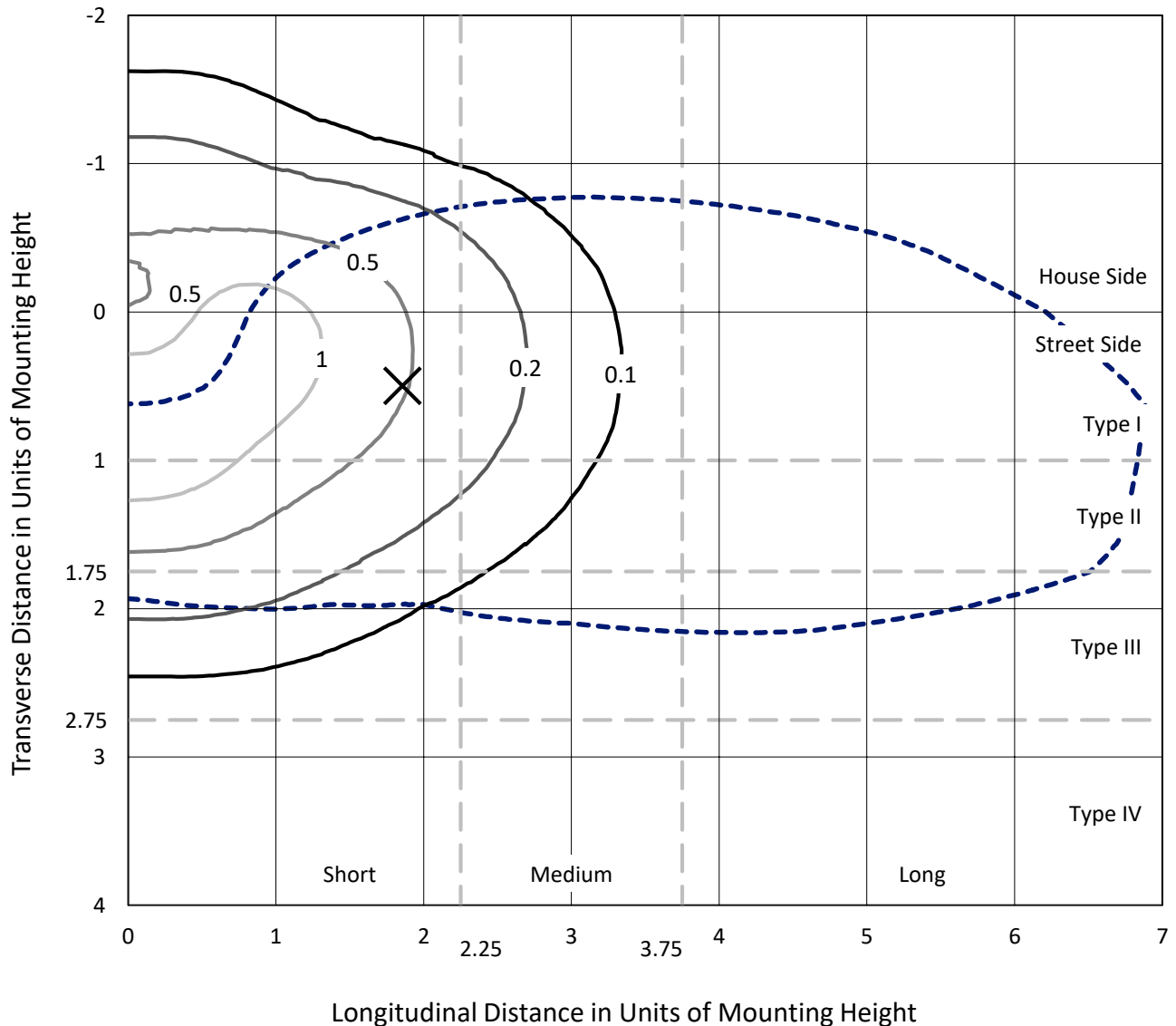
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

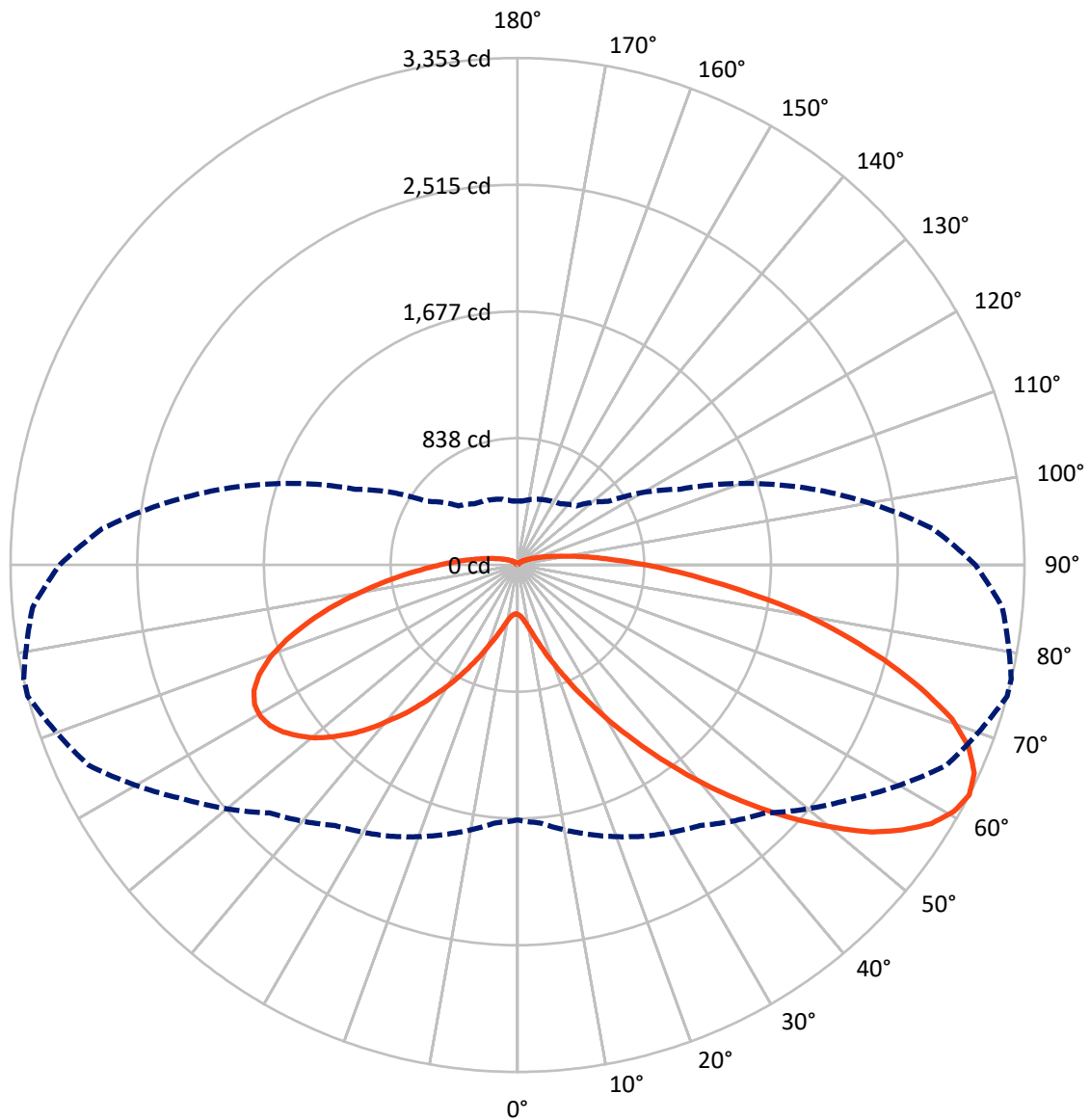


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Non-Cutoff

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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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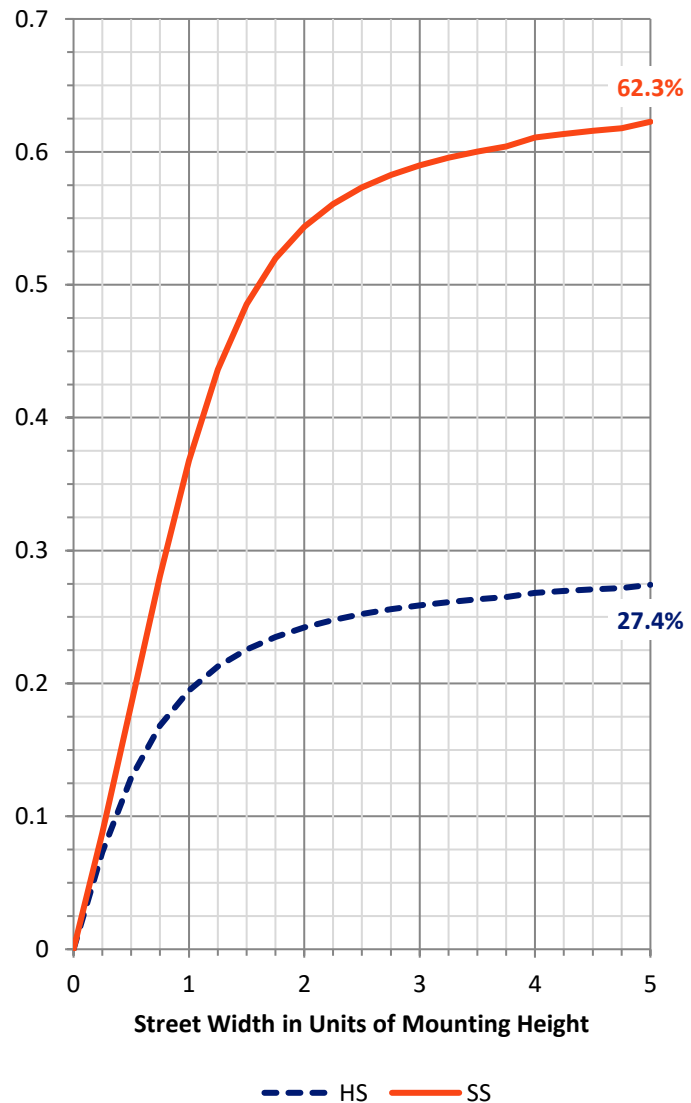
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2380.2	253.1	2633.3
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	5342.2	347.5	5689.7
	% Fixture	64.2	4.2	68.4
Total	Lumens	7722.4	600.6	8323.0
	% Fixture	92.8	7.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.4
10°-20°	144.8	1.7
20°-30°	374.8	4.5
30°-40°	766.9	9.2
40°-50°	1271.8	15.3
50°-60°	1649.9	19.8
60°-70°	1624.9	19.5
70°-80°	1194.0	14.3
80°-90°	660.8	7.9
90°-100°	312.1	3.7
100°-110°	149.1	1.8
110°-120°	76.1	0.9
120°-130°	39.4	0.5
130°-140°	18.0	0.2
140°-150°	5.3	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7722.4	92.8
0°-180°	8323.0	100.0

Coefficient of Utilization



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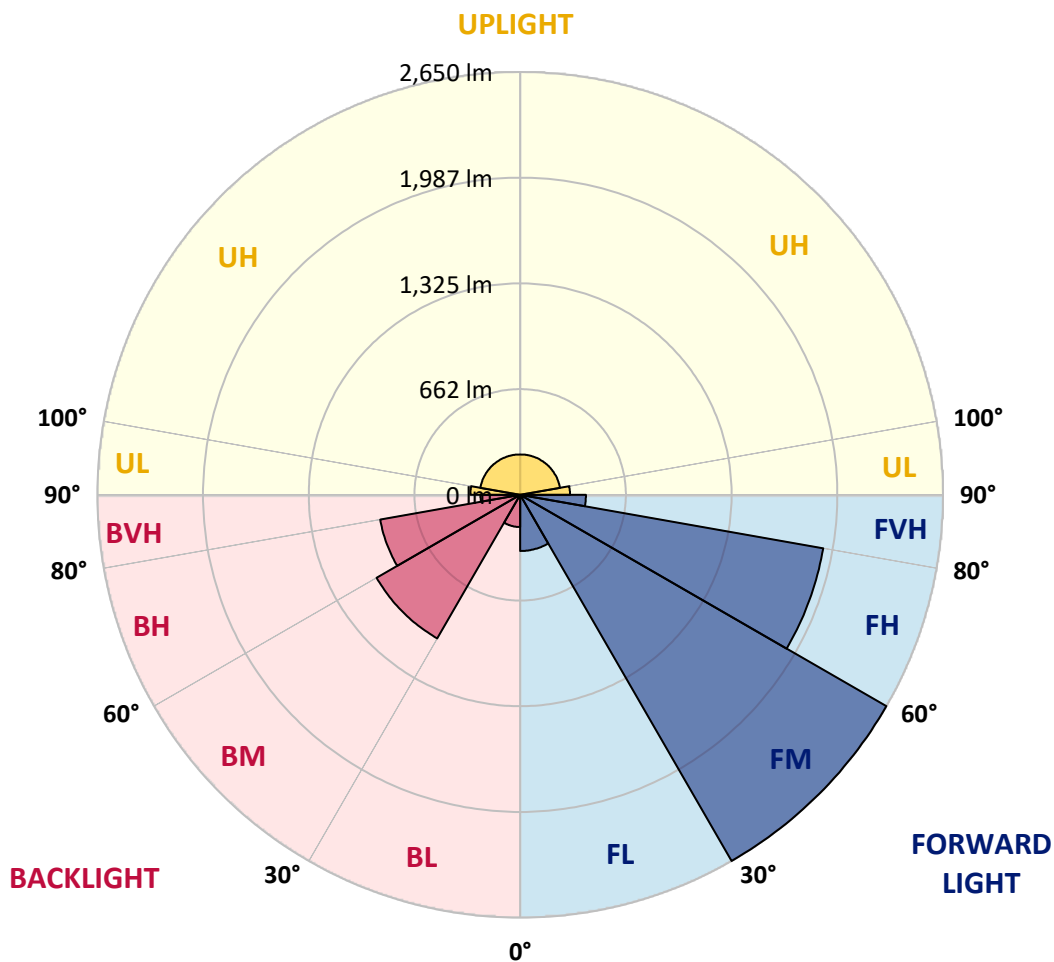
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.1	4.2			
FM	(30°-60°)	2649.6	31.8			
FH	(60°-80°)	1928.6	23.2			G2/5000
FVH	(80°-90°)	411.9	4.9			G3/500
BL	(0°-30°)	201.9	2.4	B1/500		
BM	(30°-60°)	1039.0	12.5	B2/2500		
BH	(60°-80°)	890.3	10.7	B2/1000		G2/1000
BVH	(80°-90°)	249.0	3.0			G3/500
UL	(90°-100°)	312.1	3.7		U3/500	
UH	(100°-180°)	253.1	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°	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0
2.5°	364.3	361.3	359.4	356.4	354.5	350.5	346.6	340.7	335.8	334.8	330.9
5°	402.6	397.7	397.7	392.8	385.9	381.0	373.1	363.3	355.5	350.5	346.6
7.5°	451.7	447.8	442.8	438.9	432.0	423.2	412.4	399.6	383.9	381.0	371.2
10°	506.7	504.7	500.8	492.9	484.1	472.3	457.6	441.9	424.2	421.2	404.5
12.5°	579.3	579.3	573.4	562.6	549.9	528.3	515.5	498.8	478.2	475.2	451.7
15°	668.7	664.8	656.9	638.2	623.5	605.8	590.1	568.5	541.0	536.1	514.5
17.5°	766.9	759.0	755.1	737.4	717.8	696.2	674.6	651.0	620.6	612.7	587.2
20°	876.8	881.8	867.0	847.4	817.9	796.3	771.8	741.3	708.0	702.1	671.6
22.5°	1015.3	1011.4	990.7	963.3	934.8	911.2	879.8	849.4	804.2	798.3	762.9
25°	1168.5	1164.5	1138.0	1103.7	1071.3	1029.0	992.7	960.3	923.0	914.2	871.9
27.5°	1318.7	1338.3	1298.1	1255.9	1217.6	1170.4	1127.2	1086.0	1043.8	1036.9	992.7
30°	1523.9	1528.8	1481.7	1423.8	1371.7	1312.8	1267.6	1230.3	1194.0	1171.4	1131.2
32.5°	1738.0	1722.3	1685.0	1614.3	1531.8	1466.0	1415.9	1381.5	1347.2	1335.4	1276.5
35°	1950.1	1950.1	1892.1	1796.9	1688.9	1622.1	1573.0	1552.4	1521.0	1502.3	1436.5
37.5°	2158.2	2155.3	2096.4	1984.4	1873.5	1782.2	1750.7	1727.2	1705.6	1686.9	1606.4
40°	2363.5	2358.6	2287.9	2178.9	2049.2	1955.0	1929.5	1933.4	1907.9	1882.3	1801.8
42.5°	2528.4	2526.5	2470.5	2361.5	2206.4	2122.9	2097.4	2120.9	2109.1	2084.6	1990.3
45°	2660.0	2651.2	2607.0	2496.0	2355.6	2267.2	2274.1	2331.1	2317.3	2305.5	2188.7
47.5°	2715.0	2714.0	2689.5	2593.2	2463.6	2401.8	2441.0	2520.6	2525.5	2515.7	2385.1
50°	2700.3	2704.2	2702.2	2643.3	2537.3	2505.8	2581.4	2716.9	2732.7	2722.8	2588.3
52.5°	2613.8	2615.8	2648.2	2622.7	2562.8	2571.6	2706.1	2879.9	2934.9	2908.4	2768.0
55°	2431.2	2455.8	2519.6	2534.3	2526.5	2586.4	2780.8	3009.6	3093.0	3084.2	2924.1
57.5°	2242.7	2230.9	2322.2	2392.9	2434.2	2547.1	2805.3	3101.9	3227.5	3215.8	3063.6
60°	1967.8	1985.4	2097.4	2198.5	2285.9	2452.8	2782.7	3151.0	3314.9	3308.1	3165.7
62.5°	1686.9	1712.5	1845.0	1979.5	2104.2	2319.3	2698.3	3132.3	3353.2	3352.2	3219.7
65°	1422.8	1450.3	1572.0	1735.0	1894.1	2138.6	2551.0	3052.8	3320.8	3322.8	3209.9
67.5°	1188.1	1202.8	1330.5	1510.2	1665.3	1926.5	2361.5	2895.7	3218.7	3229.5	3131.3
70°	979.0	989.8	1113.5	1273.5	1453.2	1689.9	2131.7	2694.4	3047.9	3051.8	2989.9
72.5°	803.2	813.0	931.8	1074.2	1240.2	1482.7	1895.1	2419.4	2790.6	2829.9	2771.9
75°	642.2	661.8	763.9	902.4	1050.6	1266.7	1644.7	2123.9	2501.9	2535.3	2526.5
77.5°	523.4	549.9	631.4	750.2	886.7	1074.2	1394.3	1832.2	2196.5	2224.0	2230.9
80°	422.2	441.9	523.4	628.4	744.3	907.3	1165.5	1547.5	1889.2	1892.1	1889.2
82.5°	342.7	357.4	430.1	525.3	627.4	762.9	977.0	1291.2	1549.5	1580.9	1586.8
85°	278.9	289.7	352.5	437.9	524.3	639.2	806.1	1054.6	1258.8	1291.2	1280.4
87.5°	223.9	238.6	288.7	361.3	441.9	533.2	670.6	853.3	1016.3	1030.0	1028.1
90°	183.6	188.5	238.6	300.5	373.1	442.8	547.9	687.3	809.1	833.6	817.0
92.5°	148.3	156.1	198.3	254.3	311.3	372.1	454.6	564.6	640.2	654.9	647.1
95°	124.7	128.6	166.9	213.1	262.2	317.2	375.1	450.7	506.7	511.6	513.5
97.5°	104.1	108.0	139.4	181.7	223.9	268.1	312.2	368.2	405.5	404.5	401.6
100°	89.4	91.3	119.8	158.1	195.4	227.8	262.2	296.5	319.1	326.0	315.2
102.5°	77.6	78.6	103.1	136.5	167.9	196.4	221.9	246.5	255.3	256.3	251.4
105°	68.7	69.7	90.3	117.8	146.3	167.9	187.5	202.3	206.2	206.2	200.3
107.5°	60.9	61.9	77.6	104.1	129.6	147.3	161.0	168.9	166.9	165.9	162.0
110°	56.0	56.0	68.7	92.3	112.9	128.6	139.4	140.4	135.5	135.5	131.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	51.1	51.1	60.9	81.5	100.2	113.9	120.8	118.8	111.9	110.0	110.0
115°	47.1	47.1	54.0	71.7	89.4	100.2	105.1	100.2	92.3	91.3	90.3
117.5°	44.2	44.2	49.1	63.8	78.6	88.4	91.3	86.4	77.6	76.6	76.6
120°	41.2	41.2	45.2	56.0	69.7	77.6	79.5	73.6	64.8	64.8	65.8
122.5°	39.3	39.3	41.2	50.1	61.9	68.7	68.7	62.8	55.0	55.0	56.0
125°	37.3	37.3	38.3	44.2	54.0	59.9	58.9	52.0	47.1	47.1	48.1
127.5°	35.3	35.3	35.3	39.3	47.1	52.0	51.1	44.2	40.3	40.3	42.2
130°	33.4	33.4	32.4	34.4	40.3	44.2	42.2	37.3	34.4	34.4	36.3
132.5°	31.4	31.4	29.5	30.4	34.4	36.3	34.4	30.4	29.5	29.5	30.4
135°	29.5	28.5	27.5	26.5	28.5	29.5	27.5	24.5	24.5	24.5	26.5
137.5°	26.5	26.5	24.5	22.6	22.6	22.6	21.6	18.7	19.6	20.6	21.6
140°	24.5	24.5	22.6	19.6	17.7	17.7	15.7	14.7	15.7	16.7	17.7
142.5°	21.6	21.6	19.6	16.7	13.7	11.8	10.8	9.8	11.8	12.8	12.8
145°	18.7	18.7	16.7	12.8	9.8	6.9	5.9	6.9	7.9	8.8	9.8
147.5°	15.7	14.7	12.8	9.8	4.9	2.9	2.0	3.9	4.9	4.9	5.9
150°	11.8	11.8	9.8	6.9	2.9	0.0	1.0	2.0	2.9	2.9	3.9
152.5°	8.8	7.9	6.9	3.9	0.0	0.0	0.0	0.0	1.0	2.0	2.0
155°	4.9	4.9	3.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0	327.0
2.5°	328.9	326.0	322.1	319.1	316.2	312.2	310.3	307.3	307.3	307.3	309.3
5°	340.7	336.8	328.0	320.1	312.2	306.4	300.5	296.5	294.6	292.6	293.6
7.5°	362.3	357.4	343.7	329.9	319.1	308.3	300.5	293.6	290.6	289.7	289.7
10°	395.7	386.9	366.3	347.6	331.9	317.2	306.4	297.5	293.6	290.6	290.6
12.5°	440.9	428.1	403.6	378.0	354.5	334.8	319.1	312.2	309.3	307.3	308.3
15°	500.8	487.0	449.7	416.3	385.9	359.4	344.7	337.8	333.8	331.9	330.9
17.5°	570.5	550.9	505.7	462.5	424.2	394.7	376.1	365.3	358.4	354.5	355.5
20°	647.1	621.6	563.6	516.5	467.4	437.9	409.5	391.8	382.9	381.0	382.0
22.5°	733.5	707.0	640.2	571.5	520.4	476.2	441.9	419.3	408.5	407.5	407.5
25°	835.6	800.3	721.7	635.3	569.5	513.5	473.3	445.8	434.0	430.1	430.1
27.5°	951.5	904.3	807.1	708.0	617.6	546.9	499.8	468.4	455.6	452.7	452.7
30°	1079.1	1030.0	906.3	776.7	663.8	576.4	523.4	490.0	473.3	469.4	470.3
32.5°	1219.5	1155.7	999.6	850.3	704.0	599.9	539.1	505.7	487.0	482.1	482.1
35°	1371.7	1297.1	1110.5	922.0	742.3	618.6	550.9	516.5	495.9	491.0	490.0
37.5°	1542.6	1449.3	1225.4	987.8	772.8	630.4	558.7	523.4	500.8	493.9	492.9
40°	1721.3	1614.3	1331.5	1047.7	798.3	637.3	560.7	526.3	502.7	491.9	491.0
42.5°	1888.2	1770.4	1452.2	1102.7	814.0	640.2	559.7	525.3	500.8	486.0	485.1
45°	2072.8	1928.5	1563.2	1152.8	823.8	638.2	555.8	520.4	496.8	478.2	476.2
47.5°	2266.3	2100.3	1665.3	1189.1	827.8	632.4	550.9	516.5	490.0	469.4	467.4
50°	2441.0	2247.6	1760.6	1217.6	825.8	623.5	543.0	510.6	484.1	460.5	458.6
52.5°	2611.9	2401.8	1835.2	1233.3	816.0	613.7	536.1	503.7	477.2	452.7	449.7
55°	2767.0	2523.5	1902.0	1240.2	803.2	600.9	526.3	497.8	471.3	444.8	441.9
57.5°	2886.8	2638.4	1951.1	1231.3	783.6	586.2	516.5	489.0	464.4	437.9	435.0
60°	2975.2	2714.0	1973.6	1214.6	761.0	569.5	504.7	480.2	457.6	432.0	429.1
62.5°	3028.2	2756.2	1968.7	1185.2	732.5	552.8	493.9	471.3	450.7	425.2	423.2
65°	3019.4	2739.5	1931.4	1138.0	702.1	531.2	477.2	459.5	440.9	417.3	414.4
67.5°	2947.7	2671.8	1855.8	1079.1	667.7	509.6	461.5	443.8	428.1	407.5	401.6
70°	2820.1	2547.1	1746.8	1005.5	628.4	485.1	442.8	426.1	412.4	392.8	386.9
72.5°	2605.0	2365.4	1608.4	928.9	586.2	456.6	418.3	404.5	389.8	374.1	367.2
75°	2359.5	2137.6	1445.4	838.6	541.0	428.1	392.8	379.0	365.3	348.6	342.7
77.5°	2092.5	1879.4	1276.5	759.0	494.9	395.7	364.3	352.5	338.8	321.1	314.2
80°	1773.3	1603.5	1096.8	667.7	448.7	364.3	334.8	322.1	307.3	290.6	283.8
82.5°	1485.6	1335.4	930.9	585.2	402.6	331.9	306.4	287.7	274.0	257.3	245.5
85°	1214.6	1109.6	780.6	502.7	359.4	298.5	273.0	257.3	241.6	221.9	214.1
87.5°	977.0	887.6	641.2	434.0	317.2	266.1	242.5	226.8	209.1	188.5	181.7
90°	772.8	717.8	533.2	373.1	280.8	238.6	215.0	198.3	178.7	160.1	156.1
92.5°	612.7	574.4	440.9	317.2	247.4	211.1	189.5	172.8	153.2	134.5	128.6
95°	492.9	455.6	361.3	276.9	217.0	185.6	166.9	151.2	131.6	112.9	109.0
97.5°	393.7	364.3	296.5	232.7	190.5	165.0	148.3	131.6	111.9	95.2	93.3
100°	308.3	290.6	245.5	200.3	167.9	146.3	130.6	115.9	96.2	79.5	78.6
102.5°	246.5	236.6	204.2	172.8	147.3	129.6	116.8	101.1	83.5	67.8	66.8
105°	198.3	192.5	169.9	148.3	130.6	115.9	104.1	88.4	70.7	57.9	57.9
107.5°	161.0	156.1	142.4	126.7	114.9	104.1	91.3	77.6	60.9	50.1	50.1
110°	131.6	129.6	120.8	110.0	101.1	92.3	80.5	66.8	52.0	44.2	44.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	110.0	109.0	102.1	96.2	89.4	81.5	71.7	58.9	45.2	38.3	39.3
115°	91.3	91.3	87.4	83.5	78.6	72.7	62.8	50.1	38.3	34.4	34.4
117.5°	77.6	76.6	75.6	72.7	69.7	63.8	54.0	43.2	32.4	30.4	31.4
120°	66.8	66.8	64.8	63.8	60.9	55.0	47.1	36.3	27.5	27.5	27.5
122.5°	57.0	57.9	56.0	55.0	53.0	49.1	40.3	30.4	24.5	23.6	24.5
125°	50.1	50.1	49.1	48.1	46.1	41.2	34.4	25.5	20.6	21.6	21.6
127.5°	42.2	43.2	42.2	41.2	40.3	35.3	28.5	20.6	17.7	18.7	18.7
130°	37.3	37.3	36.3	35.3	33.4	29.5	23.6	16.7	15.7	16.7	16.7
132.5°	31.4	31.4	31.4	29.5	27.5	24.5	18.7	13.7	12.8	14.7	14.7
135°	26.5	26.5	26.5	24.5	22.6	18.7	13.7	10.8	10.8	12.8	12.8
137.5°	21.6	22.6	21.6	19.6	17.7	14.7	10.8	7.9	8.8	10.8	10.8
140°	17.7	17.7	16.7	15.7	12.8	9.8	6.9	5.9	7.9	8.8	8.8
142.5°	13.7	13.7	12.8	10.8	8.8	6.9	3.9	3.9	5.9	6.9	6.9
145°	9.8	9.8	8.8	6.9	4.9	2.9	1.0	2.0	3.9	4.9	4.9
147.5°	5.9	5.9	5.9	4.9	2.9	1.0	0.0	1.0	2.0	2.9	2.9
150°	3.9	3.9	3.9	2.9	2.0	0.0	0.0	0.0	1.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	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)