

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: P416675

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7267 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

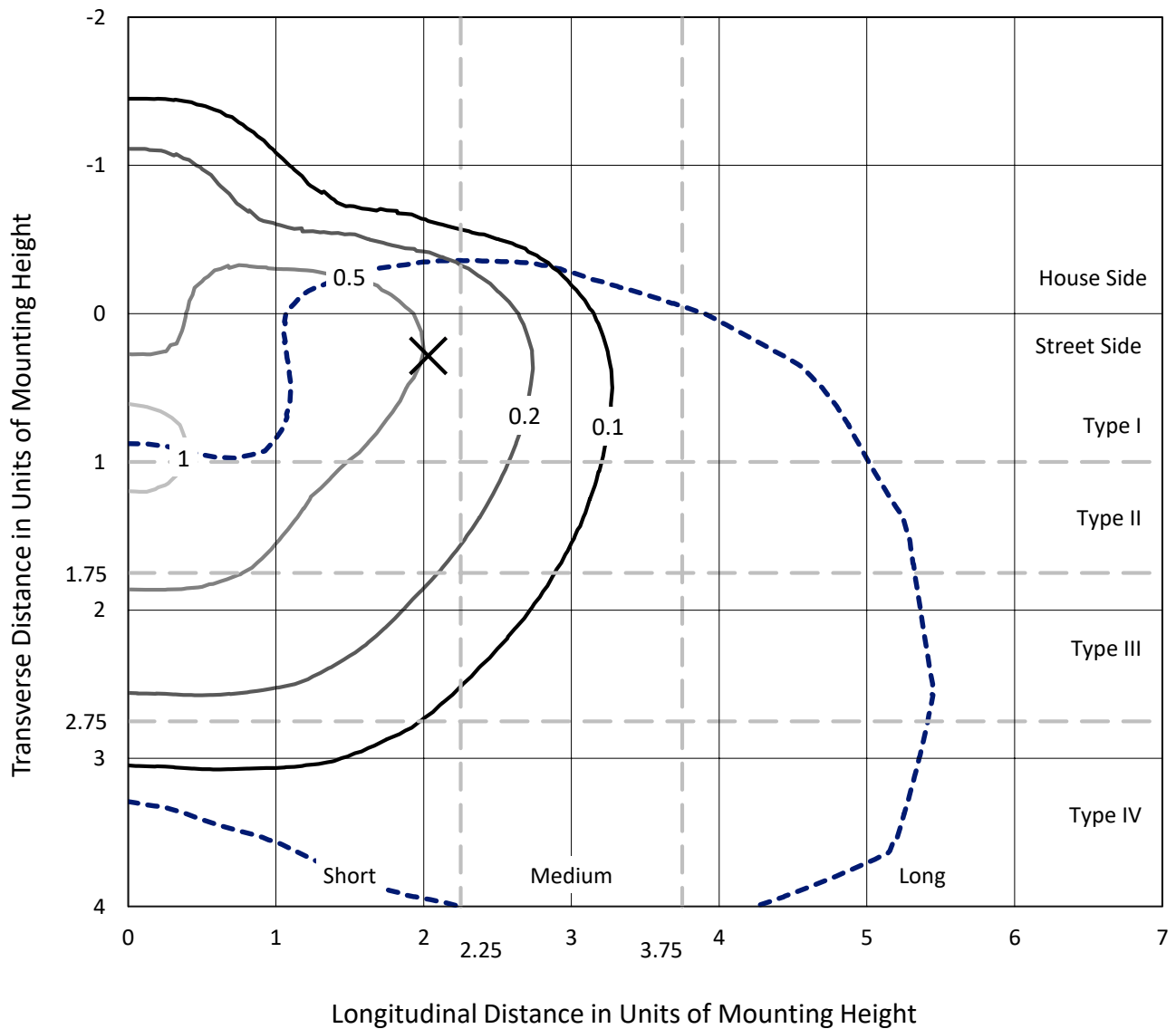
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

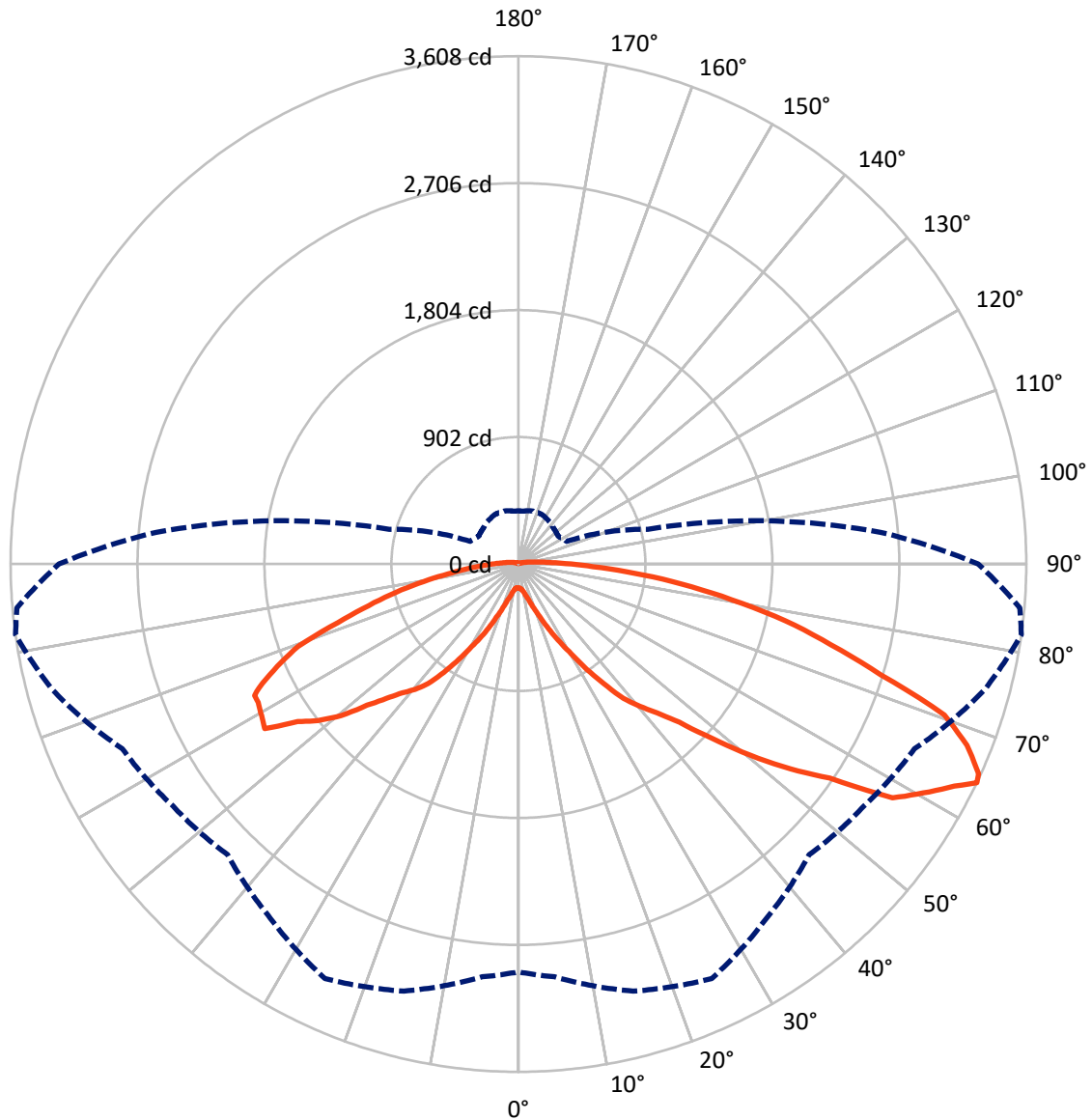


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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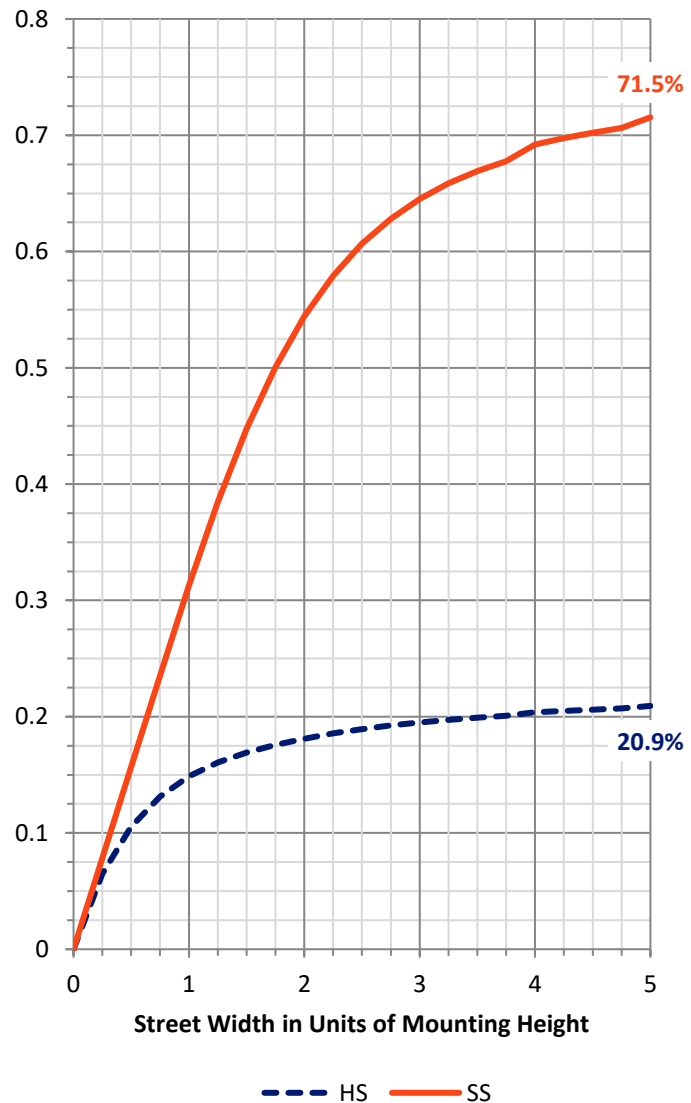
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1597.5	119.7	1717.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5393.0	156.8	5549.8
	% Fixture	74.2	2.2	76.4
Total	Lumens	6990.5	276.5	7267.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.2
10°-20°	74.7	1.0
20°-30°	215.4	3.0
30°-40°	494.5	6.8
40°-50°	868.5	12.0
50°-60°	1395.1	19.2
60°-70°	1872.7	25.8
70°-80°	1431.8	19.7
80°-90°	620.2	8.5
90°-100°	174.2	2.4
100°-110°	52.9	0.7
110°-120°	23.2	0.3
120°-130°	13.3	0.2
130°-140°	8.1	0.1
140°-150°	3.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6990.5	96.2
0°-180°	7267.0	100.0



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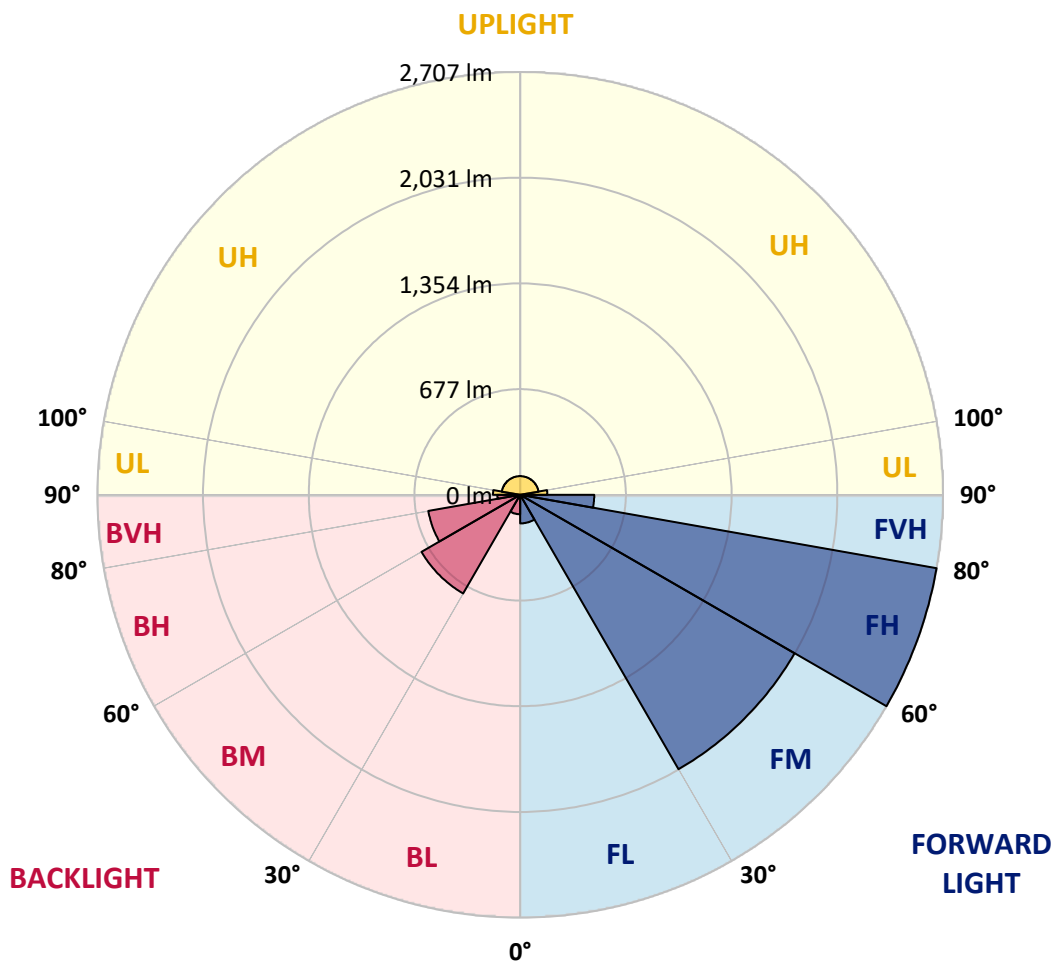
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.0	2.5			
FM	(30°-60°)	2028.6	27.9			
FH	(60°-80°)	2707.4	37.3			G2/5000
FVH	(80°-90°)	474.1	6.5			G3/500
BL	(0°-30°)	124.7	1.7	B1/500		
BM	(30°-60°)	729.6	10.0	B1/1000		
BH	(60°-80°)	597.1	8.2	B2/1000		G2/1000
BVH	(80°-90°)	146.1	2.0			G2/225
UL	(90°-100°)	174.2	2.4		U3/500	
UH	(100°-180°)	119.7	1.6		U3/500	

BUG Rating: B2-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
2.5°	182.3	181.5	181.5	182.3	182.3	180.7	177.3	174.8	172.3	171.5	170.6
5°	199.1	198.2	197.4	198.2	195.7	193.2	188.2	183.2	179.8	176.5	175.6
7.5°	221.6	220.8	220.0	218.3	215.0	209.9	202.4	195.7	189.9	185.7	184.0
10°	250.9	247.6	246.7	243.4	237.5	229.2	220.8	212.4	205.8	199.9	197.4
12.5°	291.1	291.1	284.4	276.8	266.8	254.3	243.4	236.7	230.0	226.7	221.6
15°	340.4	338.7	332.0	319.5	302.8	288.6	276.8	268.5	264.3	258.4	255.9
17.5°	394.8	391.4	385.6	366.3	346.3	331.2	317.8	309.5	307.0	301.9	301.1
20°	465.9	460.8	446.6	423.2	395.6	378.9	366.3	357.1	356.3	358.0	357.1
22.5°	550.3	547.0	529.4	486.8	455.8	431.6	414.8	416.5	427.4	432.4	425.7
25°	651.5	654.9	625.6	568.7	527.8	486.8	480.1	489.3	513.5	526.9	527.8
27.5°	771.1	770.3	731.8	669.1	605.5	559.5	548.7	575.4	609.7	629.0	629.0
30°	905.0	916.7	862.3	780.3	691.7	637.3	629.0	669.9	705.9	740.2	750.2
32.5°	1083.1	1080.6	1010.3	911.7	793.7	716.8	710.1	761.9	843.1	890.7	890.7
35°	1304.8	1295.6	1197.7	1049.7	891.6	805.4	806.3	878.2	985.3	1043.8	1049.7
37.5°	1495.5	1503.0	1404.3	1224.5	1017.9	906.6	916.7	1013.7	1142.5	1211.1	1234.5
40°	1699.5	1702.0	1593.3	1397.6	1154.2	1014.5	1038.8	1150.9	1273.0	1329.8	1352.4
42.5°	1879.4	1894.4	1785.7	1571.6	1292.2	1146.7	1158.4	1256.2	1377.5	1445.3	1477.1
45°	2003.1	2011.5	1944.6	1731.3	1441.9	1281.3	1279.7	1370.8	1527.2	1602.5	1653.5
47.5°	2171.2	2193.8	2097.6	1891.9	1595.8	1418.5	1404.3	1521.4	1727.1	1849.2	1892.7
50°	2368.6	2402.9	2335.2	2086.8	1771.5	1579.9	1582.4	1722.1	1975.5	2135.3	2180.4
52.5°	2565.2	2578.6	2533.4	2321.0	1975.5	1768.1	1788.2	1963.0	2254.1	2418.0	2445.6
55°	2670.6	2689.8	2703.2	2535.1	2220.6	1991.4	2026.6	2237.3	2491.6	2684.0	2746.7
57.5°	2770.9	2797.7	2832.8	2718.2	2464.0	2267.4	2301.7	2489.1	2860.4	3134.8	3182.4
60°	2940.7	2964.1	3031.9	2938.2	2687.3	2530.9	2566.9	2830.3	3114.7	3303.7	3308.7
62.5°	2938.2	2975.0	3138.9	3162.4	2926.5	2784.3	2872.1	3014.3	3239.3	3476.8	3471.8
64°	2898.1	2944.1	3141.5	3250.2	3072.0	2921.5	2997.6	3104.7	3432.5	3608.2	3576.4
65°	2869.6	2920.6	3133.9	3272.8	3151.5	2999.3	3056.1	3179.9	3488.6	3593.1	3549.6
67.5°	2713.2	2770.1	3052.8	3270.3	3233.5	3121.4	3139.8	3255.2	3395.7	3436.7	3358.9
70°	2433.0	2463.1	2784.3	3133.1	3152.3	3045.3	3095.5	3154.8	3231.8	3211.7	3109.7
72.5°	1920.3	1982.2	2306.7	2803.6	2913.1	2836.2	2855.4	2884.7	2806.9	2691.5	2570.2
75°	1367.5	1422.7	1725.5	2211.4	2536.7	2505.8	2532.6	2485.7	2399.6	2294.2	2175.4
77.5°	951.0	968.5	1218.6	1668.6	2027.4	2121.9	2179.6	2113.5	2065.0	1938.7	1843.4
80°	615.6	644.9	802.1	1208.6	1606.7	1799.9	1892.7	1850.1	1737.2	1535.6	1426.9
82.5°	381.4	404.8	528.6	858.1	1273.8	1542.3	1631.8	1573.2	1392.6	1167.6	1058.9
85°	218.3	223.3	309.5	558.7	930.9	1225.3	1344.9	1251.2	1041.3	823.8	728.5
87.5°	125.5	129.6	184.8	342.1	644.0	923.4	1037.1	900.8	699.2	529.4	466.7
90°	80.3	85.3	119.6	223.3	414.8	659.9	743.5	618.1	468.4	335.4	295.2
92.5°	55.2	57.7	80.3	138.8	267.6	435.8	496.8	413.2	291.9	214.1	189.9
95°	40.1	41.8	56.9	94.5	172.3	273.5	307.0	261.8	191.5	142.2	127.1
97.5°	32.6	33.5	44.3	69.4	118.8	174.0	184.0	163.1	127.1	101.2	95.3
100°	27.6	28.4	36.8	53.5	84.5	113.7	116.3	109.6	89.5	75.3	71.9
102.5°	25.1	25.1	30.9	43.5	63.6	81.1	81.1	75.3	61.9	55.2	55.2
105°	22.6	22.6	26.8	36.0	50.2	62.7	61.9	55.2	46.8	41.8	42.7
107.5°	20.1	20.1	23.4	29.3	41.0	49.3	47.7	41.0	36.0	32.6	33.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	18.4	18.4	20.9	25.1	34.3	41.0	38.5	31.8	26.8	26.8	27.6
112.5°	16.7	16.7	18.4	22.6	29.3	33.5	30.9	25.1	21.7	21.7	22.6
115°	15.1	15.1	16.7	20.1	25.9	28.4	25.9	20.1	17.6	18.4	20.1
117.5°	14.2	14.2	15.9	18.4	22.6	24.3	21.7	16.7	15.1	16.7	17.6
120°	13.4	13.4	15.1	17.6	20.9	21.7	18.4	15.1	13.4	15.1	15.9
122.5°	13.4	13.4	14.2	16.7	19.2	19.2	16.7	13.4	11.7	13.4	14.2
125°	13.4	13.4	14.2	15.9	17.6	17.6	15.1	11.7	10.9	12.5	12.5
127.5°	14.2	14.2	15.1	15.9	16.7	15.9	13.4	10.9	10.0	11.7	11.7
130°	14.2	14.2	14.2	15.1	15.1	14.2	11.7	10.0	10.0	10.9	11.7
132.5°	14.2	14.2	14.2	14.2	14.2	12.5	10.9	9.2	10.0	10.9	11.7
135°	13.4	13.4	13.4	13.4	12.5	10.9	9.2	7.5	9.2	10.0	10.0
137.5°	11.7	12.5	11.7	11.7	11.7	10.0	7.5	6.7	7.5	9.2	9.2
140°	10.9	10.9	10.9	10.9	10.0	8.4	6.7	5.0	5.9	7.5	7.5
142.5°	10.0	10.0	10.0	9.2	9.2	7.5	5.0	4.2	5.0	5.9	5.9
145°	8.4	8.4	8.4	8.4	7.5	5.9	4.2	3.3	4.2	5.0	5.0
147.5°	6.7	6.7	6.7	6.7	5.9	5.0	3.3	3.3	4.2	4.2	4.2
150°	5.0	5.9	5.9	5.9	5.0	4.2	2.5	2.5	3.3	4.2	4.2
152.5°	4.2	4.2	4.2	5.0	4.2	2.5	1.7	2.5	3.3	3.3	3.3
155°	2.5	3.3	3.3	3.3	3.3	2.5	1.7	2.5	2.5	3.3	3.3
157.5°	1.7	1.7	2.5	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5
160°	0.8	0.8	1.7	2.5	2.5	2.5	1.7	1.7	2.5	2.5	2.5
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°	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
2.5°	169.8	168.9	167.3	165.6	164.8	164.8	163.1	162.3	159.7	159.7	158.9
5°	173.1	171.5	168.1	164.8	162.3	161.4	159.7	157.2	155.6	154.7	154.7
7.5°	180.7	178.1	171.5	167.3	163.9	161.4	159.7	157.2	155.6	154.7	154.7
10°	193.2	189.0	181.5	174.0	168.9	165.6	163.9	163.1	162.3	161.4	161.4
12.5°	217.5	211.6	199.1	189.9	179.8	174.8	173.1	174.8	179.0	180.7	181.5
15°	250.9	243.4	228.3	211.6	196.5	188.2	191.5	199.9	207.4	210.8	209.9
17.5°	292.7	281.0	262.6	240.0	219.1	215.0	218.3	227.5	238.4	243.4	242.6
20°	346.3	337.1	309.5	272.7	249.2	242.6	245.1	256.8	272.7	277.7	279.4
22.5°	419.9	406.5	363.8	312.8	281.9	269.3	271.8	286.9	308.6	320.3	322.8
25°	515.2	501.0	438.3	360.5	312.0	292.7	302.8	322.8	358.0	376.4	374.7
27.5°	625.6	601.4	519.4	419.0	347.1	317.0	332.0	364.7	401.5	424.9	423.2
30°	727.7	706.7	597.2	472.6	377.2	340.4	356.3	398.1	440.8	469.2	470.9
32.5°	880.7	842.2	688.3	518.6	401.5	359.6	374.7	425.7	475.1	509.4	508.5
35°	1038.8	995.3	788.7	572.1	422.4	372.2	388.1	445.8	500.2	541.1	542.0
37.5°	1205.2	1144.2	878.2	607.2	439.1	379.7	395.6	460.0	529.4	576.3	577.9
40°	1317.3	1247.9	932.6	625.6	444.1	384.7	402.3	470.0	534.4	568.7	572.1
42.5°	1442.8	1344.9	961.0	610.6	438.3	383.9	404.0	462.5	512.7	537.0	539.5
45°	1615.9	1484.6	991.9	587.1	422.4	381.4	397.3	442.4	475.1	484.3	484.3
47.5°	1840.9	1654.4	1043.8	562.0	405.6	373.9	385.6	414.8	427.4	425.7	421.5
50°	2111.0	1895.2	1106.5	540.3	389.8	364.7	372.2	388.9	393.1	388.1	385.6
52.5°	2380.3	2089.3	1150.0	521.1	379.7	356.3	361.3	373.9	373.9	358.8	356.3
55°	2627.1	2264.9	1138.3	484.3	372.2	352.1	357.1	366.3	358.8	341.2	337.9
57.5°	3026.0	2568.5	1168.4	448.3	361.3	351.3	358.0	363.8	353.0	336.2	332.9
60°	3097.1	2556.0	1097.3	425.7	353.8	353.8	361.3	368.0	360.5	345.4	344.6
62.5°	3195.8	2567.7	989.4	393.1	348.8	355.5	368.8	378.9	378.0	367.2	365.5
64°	3265.2	2584.4	951.0	378.0	344.6	355.5	374.7	389.8	389.8	377.2	377.2
65°	3196.7	2520.9	922.5	370.5	340.4	355.5	378.0	396.4	394.8	384.7	383.1
67.5°	2989.2	2314.3	802.1	353.8	331.2	355.5	387.2	407.3	409.8	401.5	398.1
70°	2735.8	2088.4	697.5	334.6	322.0	351.3	387.2	414.0	418.2	409.0	406.5
72.5°	2229.8	1679.5	575.4	313.6	308.6	341.2	382.2	410.7	414.8	404.0	400.6
75°	1869.3	1371.7	476.7	293.6	294.4	328.7	369.7	395.6	395.6	383.9	378.9
77.5°	1539.8	1107.4	394.8	274.3	277.7	312.8	347.1	363.8	358.8	347.9	341.2
80°	1153.4	836.4	325.4	253.4	256.8	286.9	315.3	327.0	322.0	308.6	307.0
82.5°	843.9	601.4	277.7	231.7	234.2	258.4	279.4	289.4	293.6	282.7	279.4
85°	554.5	424.0	238.4	209.9	211.6	230.0	243.4	251.8	261.0	257.6	255.9
87.5°	362.2	293.6	201.6	184.8	186.5	201.6	210.8	219.1	237.5	240.0	236.7
90°	243.4	205.8	166.4	159.7	162.3	174.8	179.8	188.2	208.3	211.6	211.6
92.5°	163.1	147.2	134.7	134.7	138.8	149.7	150.5	153.1	169.8	174.0	172.3
95°	114.6	109.6	108.7	110.4	115.4	123.8	119.6	117.9	128.8	129.6	128.0
97.5°	87.8	86.1	87.8	90.3	92.8	101.2	97.0	92.8	97.9	96.2	97.9
100°	70.3	69.4	71.9	71.9	74.4	82.0	78.6	76.1	76.9	73.6	73.6
102.5°	56.0	56.0	58.5	59.4	61.1	66.9	66.1	63.6	61.9	58.5	59.4
105°	43.5	44.3	47.7	48.5	51.0	56.0	55.2	51.9	50.2	46.0	46.8
107.5°	35.1	36.8	39.3	40.1	42.7	46.8	45.2	41.8	39.3	37.6	37.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.3	30.1	32.6	33.5	36.0	39.3	38.5	34.3	30.9	30.1	30.9
112.5°	24.3	25.9	27.6	28.4	30.9	33.5	30.9	27.6	25.1	25.9	25.9
115°	20.9	21.7	23.4	24.3	25.9	28.4	25.9	22.6	20.9	21.7	22.6
117.5°	19.2	20.1	20.9	20.9	22.6	24.3	21.7	19.2	18.4	19.2	20.1
120°	16.7	17.6	18.4	19.2	20.1	20.9	19.2	16.7	15.9	17.6	17.6
122.5°	15.1	15.9	15.9	16.7	17.6	18.4	16.7	15.1	14.2	15.1	15.9
125°	13.4	14.2	15.1	15.1	15.9	15.9	15.1	13.4	13.4	14.2	14.2
127.5°	12.5	13.4	13.4	14.2	14.2	14.2	13.4	11.7	12.5	13.4	13.4
130°	12.5	12.5	12.5	12.5	12.5	12.5	11.7	10.9	11.7	12.5	12.5
132.5°	11.7	11.7	11.7	11.7	11.7	10.9	10.0	10.0	10.9	11.7	11.7
135°	10.9	10.9	10.0	10.0	10.0	10.0	9.2	9.2	9.2	10.0	10.0
137.5°	9.2	9.2	8.4	8.4	8.4	8.4	7.5	7.5	8.4	9.2	9.2
140°	7.5	7.5	6.7	6.7	6.7	6.7	6.7	6.7	7.5	7.5	8.4
142.5°	5.9	5.9	5.9	5.0	5.0	5.9	5.9	5.9	6.7	6.7	6.7
145°	5.0	5.0	5.0	4.2	4.2	5.0	5.0	5.0	5.9	5.9	5.9
147.5°	4.2	4.2	4.2	3.3	2.5	4.2	4.2	4.2	5.0	4.2	4.2
150°	4.2	4.2	3.3	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.5	1.7	1.7	2.5	3.3	2.5	2.5	2.5
155°	3.3	3.3	2.5	2.5	1.7	0.8	1.7	2.5	1.7	1.7	1.7
157.5°	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	0.8	0.8	0.8
160°	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	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)