

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: P417179

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417179
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-PA1-90-740-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 9138 lumens
Efficiency: N/A
Efficacy: 97.2 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

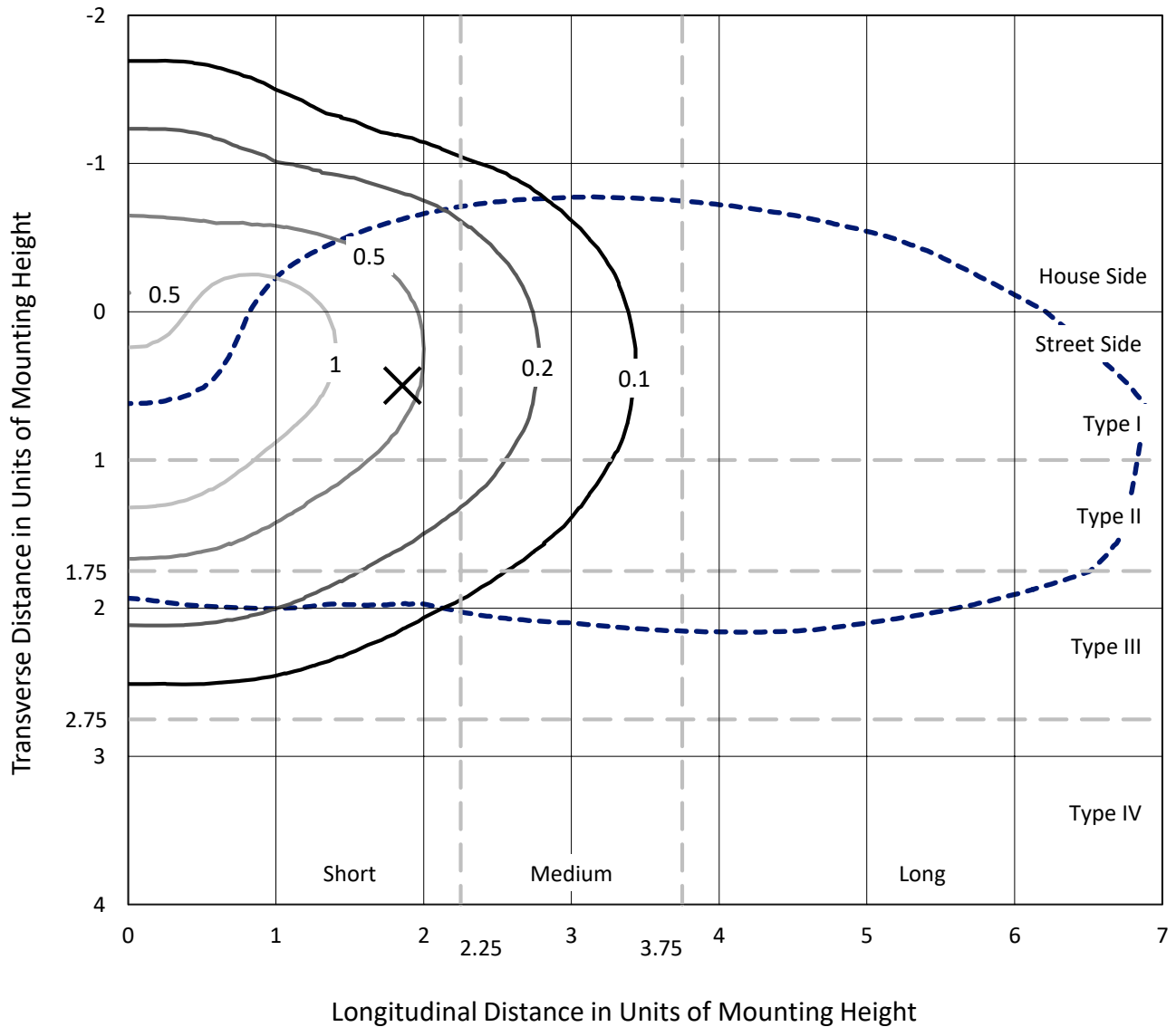


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

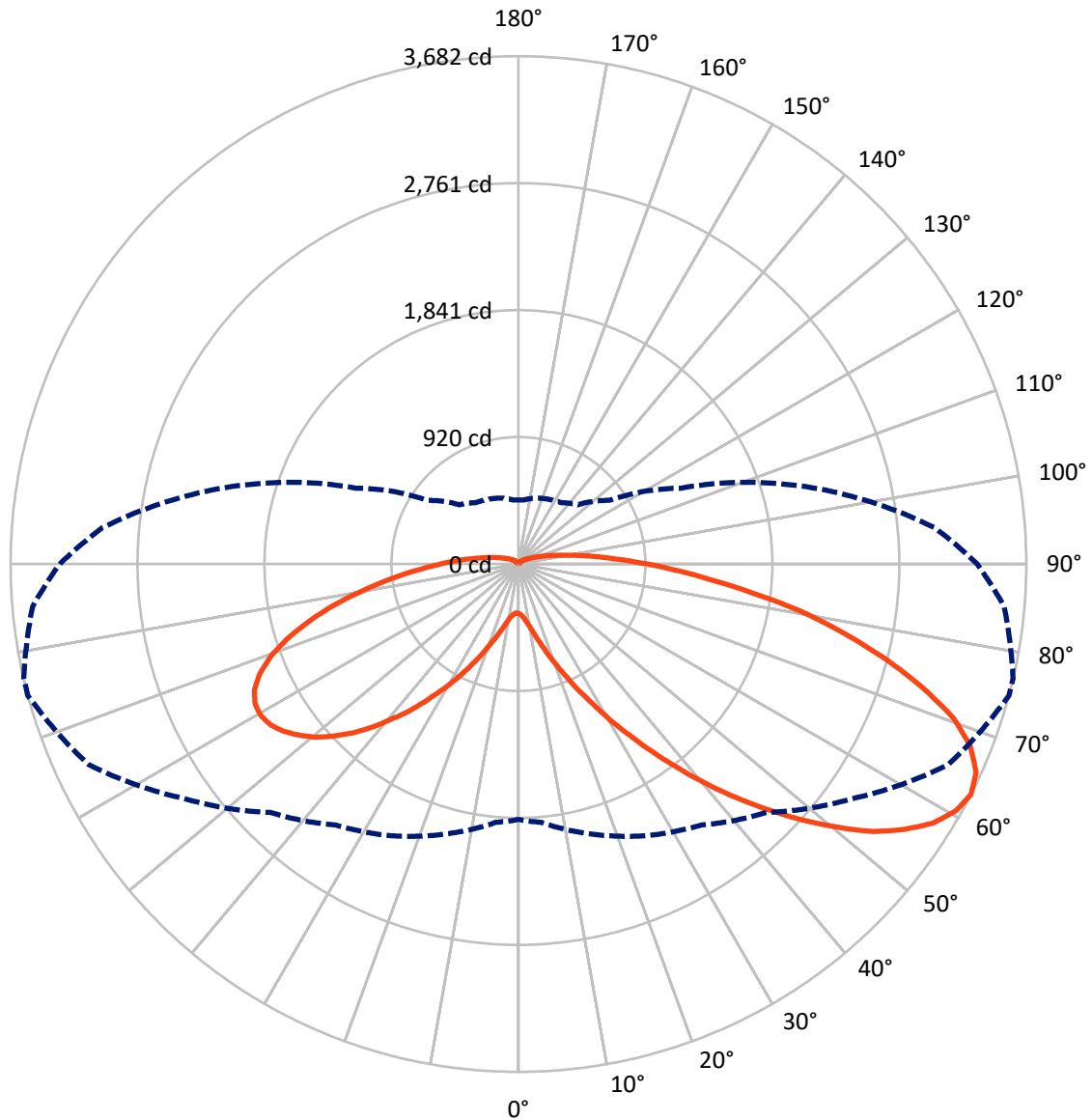


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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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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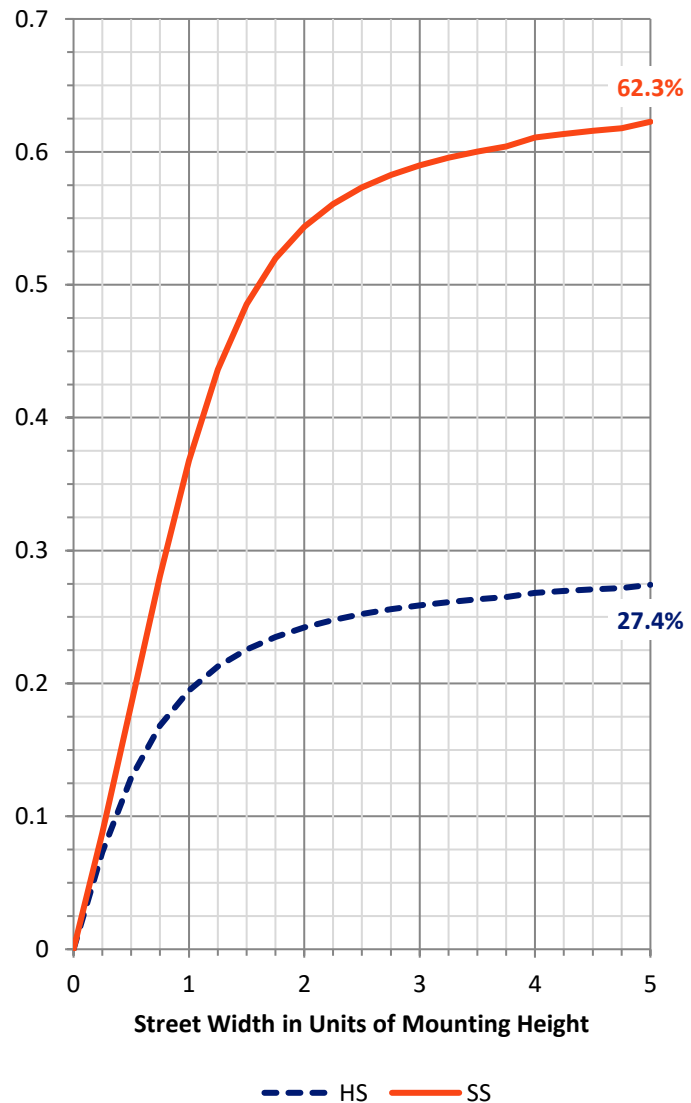
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2613.3	277.9	2891.2
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	5865.4	381.5	6246.9
	% Fixture	64.2	4.2	68.4
Total	Lumens	8478.6	659.4	9138.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	0.4
10°-20°	159.0	1.7
20°-30°	411.5	4.5
30°-40°	842.0	9.2
40°-50°	1396.3	15.3
50°-60°	1811.5	19.8
60°-70°	1784.1	19.5
70°-80°	1311.0	14.3
80°-90°	725.5	7.9
90°-100°	342.7	3.7
100°-110°	163.7	1.8
110°-120°	83.5	0.9
120°-130°	43.3	0.5
130°-140°	19.8	0.2
140°-150°	5.9	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8478.6	92.8
0°-180°	9138.0	100.0



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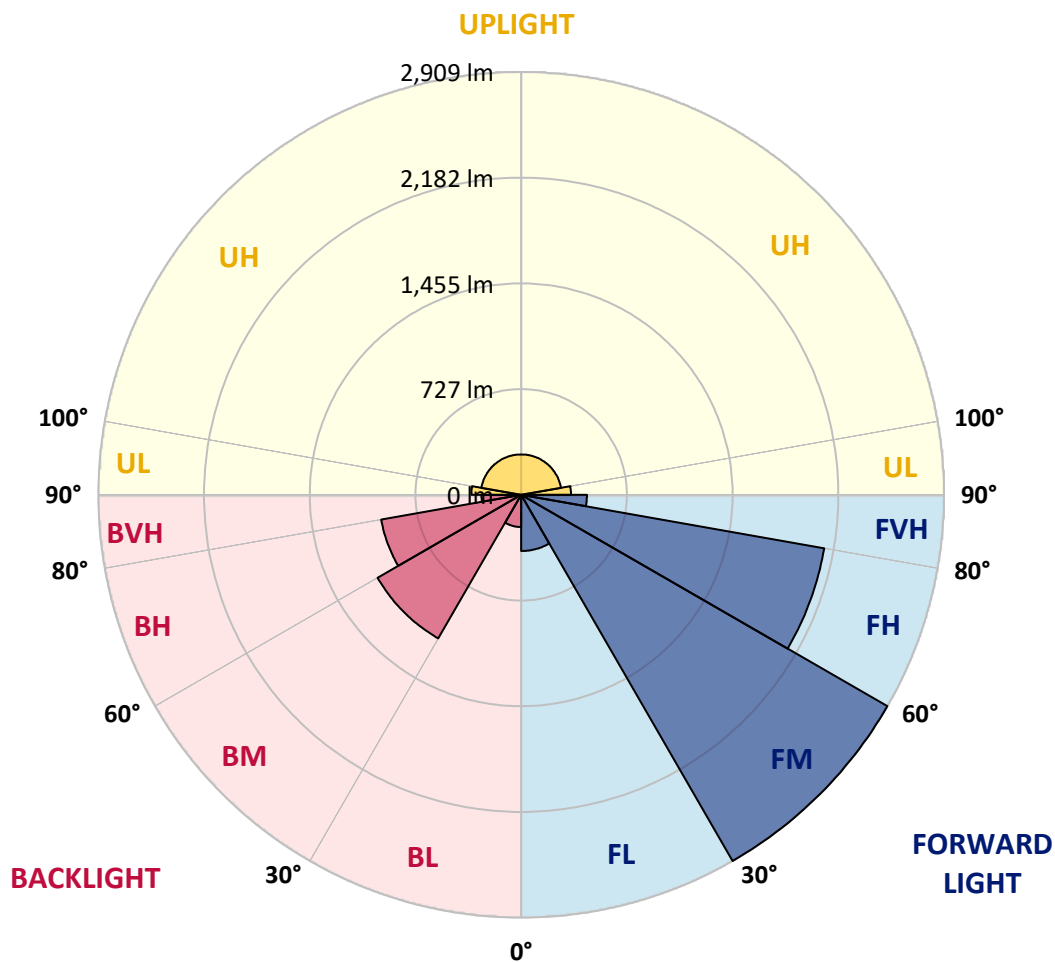
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.6	4.2			
FM	(30°-60°)	2909.1	31.8			
FH	(60°-80°)	2117.5	23.2			G2/5000
FVH	(80°-90°)	452.2	4.9			G3/500
BL	(0°-30°)	221.7	2.4	B1/500		
BM	(30°-60°)	1140.7	12.5	B2/2500		
BH	(60°-80°)	977.5	10.7	B2/1000		G2/1000
BVH	(80°-90°)	273.3	3.0			G3/500
UL	(90°-100°)	342.7	3.7		U3/500	
UH	(100°-180°)	277.9	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°	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0
2.5°	400.0	396.7	394.6	391.3	389.2	384.9	380.6	374.1	368.7	367.6	363.3
5°	442.0	436.6	436.6	431.2	423.7	418.3	409.7	398.9	390.3	384.9	380.6
7.5°	495.9	491.6	486.2	481.9	474.3	464.6	452.8	438.8	421.5	418.3	407.5
10°	556.3	554.1	549.8	541.2	531.5	518.5	502.4	485.1	465.7	462.5	444.2
12.5°	636.1	636.1	629.6	617.7	603.7	580.0	566.0	547.7	525.0	521.8	495.9
15°	734.2	729.8	721.2	700.7	684.6	665.2	647.9	624.2	594.0	588.6	564.9
17.5°	842.0	833.3	829.0	809.6	788.1	764.3	740.6	714.8	681.3	672.7	644.7
20°	962.7	968.1	951.9	930.4	898.0	874.3	847.4	813.9	777.3	770.8	737.4
22.5°	1114.7	1110.4	1087.8	1057.6	1026.3	1000.4	965.9	932.5	882.9	876.5	837.7
25°	1282.9	1278.6	1249.5	1211.7	1176.2	1129.8	1089.9	1054.3	1013.4	1003.7	957.3
27.5°	1447.8	1469.4	1425.2	1378.8	1336.8	1285.0	1237.6	1192.3	1146.0	1138.4	1089.9
30°	1673.2	1678.5	1626.8	1563.2	1506.1	1441.4	1391.8	1350.8	1310.9	1286.1	1241.9
32.5°	1908.2	1890.9	1850.0	1772.3	1681.8	1609.5	1554.6	1516.8	1479.1	1466.2	1401.5
35°	2141.0	2141.0	2077.4	1972.9	1854.3	1781.0	1727.1	1704.4	1669.9	1649.4	1577.2
37.5°	2369.6	2366.3	2301.7	2178.8	2056.9	1956.7	1922.2	1896.3	1872.6	1852.1	1763.7
40°	2594.9	2589.5	2511.9	2392.2	2249.9	2146.4	2118.4	2122.7	2094.7	2066.6	1978.2
42.5°	2776.0	2773.9	2712.4	2592.7	2422.4	2330.8	2302.7	2328.6	2315.7	2288.7	2185.2
45°	2920.5	2910.8	2862.3	2740.4	2586.3	2489.2	2496.8	2559.3	2544.2	2531.3	2403.0
47.5°	2980.8	2979.8	2952.8	2847.2	2704.9	2636.9	2680.1	2767.4	2772.8	2762.0	2618.6
50°	2964.7	2969.0	2966.8	2902.1	2785.7	2751.2	2834.2	2983.0	3000.2	2989.5	2841.8
52.5°	2869.8	2872.0	2907.5	2879.5	2813.7	2823.4	2971.1	3162.0	3222.3	3193.2	3039.1
55°	2669.3	2696.2	2766.3	2782.5	2773.9	2839.6	3053.1	3304.3	3395.9	3386.2	3210.5
57.5°	2462.3	2449.4	2549.6	2627.2	2672.5	2796.5	3080.0	3405.6	3543.6	3530.7	3363.6
60°	2160.4	2179.8	2302.7	2413.8	2509.7	2693.0	3055.2	3459.5	3639.5	3632.0	3475.7
62.5°	1852.1	1880.1	2025.7	2173.4	2310.3	2546.4	2962.5	3439.0	3681.6	3680.5	3535.0
65°	1562.1	1592.3	1726.0	1904.9	2079.6	2348.0	2800.8	3351.7	3646.0	3648.2	3524.2
67.5°	1304.5	1320.6	1460.8	1658.1	1828.4	2115.2	2592.7	3179.2	3533.9	3545.7	3437.9
70°	1074.8	1086.7	1222.5	1398.2	1595.5	1855.3	2340.5	2958.2	3346.3	3350.6	3282.7
72.5°	881.9	892.6	1023.1	1179.4	1361.6	1627.9	2080.7	2656.3	3063.9	3107.0	3043.4
75°	705.1	726.6	838.7	990.7	1153.5	1390.7	1805.8	2331.8	2746.9	2783.6	2773.9
77.5°	574.6	603.7	693.2	823.6	973.5	1179.4	1530.8	2011.7	2411.6	2441.8	2449.4
80°	463.6	485.1	574.6	690.0	817.2	996.1	1279.7	1699.0	2074.2	2077.4	2074.2
82.5°	376.2	392.4	472.2	576.8	688.9	837.7	1072.7	1417.7	1701.2	1735.7	1742.1
85°	306.2	318.0	387.0	480.8	575.7	701.8	885.1	1157.8	1382.1	1417.7	1405.8
87.5°	245.8	262.0	317.0	396.7	485.1	585.4	736.3	936.8	1115.8	1130.9	1128.7
90°	201.6	207.0	262.0	329.9	409.7	486.2	601.6	754.6	888.3	915.3	896.9
92.5°	162.8	171.4	217.8	279.2	341.7	408.6	499.1	619.9	702.9	719.1	710.4
95°	136.9	141.2	183.3	233.9	287.8	348.2	411.8	494.8	556.3	561.7	563.8
97.5°	114.3	118.6	153.1	199.4	245.8	294.3	342.8	404.3	445.2	444.2	440.9
100°	98.1	100.3	131.5	173.6	214.5	250.1	287.8	325.6	350.4	357.9	346.1
102.5°	85.2	86.2	113.2	149.9	184.3	215.6	243.6	270.6	280.3	281.4	276.0
105°	75.5	76.5	99.2	129.4	160.6	184.3	205.9	222.1	226.4	226.4	219.9
107.5°	66.8	67.9	85.2	114.3	142.3	161.7	176.8	185.4	183.3	182.2	177.9
110°	61.4	61.4	75.5	101.3	124.0	141.2	153.1	154.2	148.8	148.8	144.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	56.1	56.1	66.8	89.5	110.0	125.1	132.6	130.4	122.9	120.7	120.7
115°	51.7	51.7	59.3	78.7	98.1	110.0	115.4	110.0	101.3	100.3	99.2
117.5°	48.5	48.5	53.9	70.1	86.2	97.0	100.3	94.9	85.2	84.1	84.1
120°	45.3	45.3	49.6	61.4	76.5	85.2	87.3	80.9	71.2	71.2	72.2
122.5°	43.1	43.1	45.3	55.0	67.9	75.5	75.5	69.0	60.4	60.4	61.4
125°	41.0	41.0	42.0	48.5	59.3	65.8	64.7	57.1	51.7	51.7	52.8
127.5°	38.8	38.8	38.8	43.1	51.7	57.1	56.1	48.5	44.2	44.2	46.4
130°	36.7	36.7	35.6	37.7	44.2	48.5	46.4	41.0	37.7	37.7	39.9
132.5°	34.5	34.5	32.3	33.4	37.7	39.9	37.7	33.4	32.3	32.3	33.4
135°	32.3	31.3	30.2	29.1	31.3	32.3	30.2	27.0	27.0	27.0	29.1
137.5°	29.1	29.1	27.0	24.8	24.8	24.8	23.7	20.5	21.6	22.6	23.7
140°	27.0	27.0	24.8	21.6	19.4	19.4	17.2	16.2	17.2	18.3	19.4
142.5°	23.7	23.7	21.6	18.3	15.1	12.9	11.9	10.8	12.9	14.0	14.0
145°	20.5	20.5	18.3	14.0	10.8	7.5	6.5	7.5	8.6	9.7	10.8
147.5°	17.2	16.2	14.0	10.8	5.4	3.2	2.2	4.3	5.4	5.4	6.5
150°	12.9	12.9	10.8	7.5	3.2	0.0	1.1	2.2	3.2	3.2	4.3
152.5°	9.7	8.6	7.5	4.3	0.0	0.0	0.0	0.0	1.1	2.2	2.2
155°	5.4	5.4	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	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°	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0
2.5°	361.2	357.9	353.6	350.4	347.1	342.8	340.7	337.4	337.4	337.4	339.6
5°	374.1	369.8	360.1	351.4	342.8	336.4	329.9	325.6	323.4	321.3	322.3
7.5°	397.8	392.4	377.3	362.2	350.4	338.5	329.9	322.3	319.1	318.0	318.0
10°	434.5	424.8	402.1	381.6	364.4	348.2	336.4	326.7	322.3	319.1	319.1
12.5°	484.0	470.0	443.1	415.1	389.2	367.6	350.4	342.8	339.6	337.4	338.5
15°	549.8	534.7	493.8	457.1	423.7	394.6	378.4	370.9	366.5	364.4	363.3
17.5°	626.4	604.8	555.2	507.8	465.7	433.4	412.9	401.0	393.5	389.2	390.3
20°	710.4	682.4	618.8	567.1	513.2	480.8	449.6	430.1	420.4	418.3	419.4
22.5°	805.3	776.2	702.9	627.4	571.4	522.9	485.1	460.3	448.5	447.4	447.4
25°	917.4	878.6	792.4	697.5	625.3	563.8	519.6	489.4	476.5	472.2	472.2
27.5°	1044.6	992.9	886.2	777.3	678.1	600.5	548.7	514.2	500.2	497.0	497.0
30°	1184.8	1130.9	995.1	852.7	728.8	632.8	574.6	538.0	519.6	515.3	516.4
32.5°	1339.0	1268.9	1097.5	933.6	773.0	658.7	591.9	555.2	534.7	529.3	529.3
35°	1506.1	1424.1	1219.3	1012.3	815.0	679.2	604.8	567.1	544.4	539.0	538.0
37.5°	1693.6	1591.2	1345.4	1084.5	848.4	692.1	613.4	574.6	549.8	542.3	541.2
40°	1889.8	1772.3	1461.9	1150.3	876.5	699.7	615.6	577.8	552.0	540.1	539.0
42.5°	2073.1	1943.7	1594.5	1210.7	893.7	702.9	614.5	576.8	549.8	533.6	532.6
45°	2275.8	2117.3	1716.3	1265.6	904.5	700.7	610.2	571.4	545.5	525.0	522.9
47.5°	2488.2	2306.0	1828.4	1305.5	908.8	694.3	604.8	567.1	538.0	515.3	513.2
50°	2680.1	2467.7	1933.0	1336.8	906.6	684.6	596.2	560.6	531.5	505.6	503.5
52.5°	2867.6	2636.9	2014.9	1354.0	895.9	673.8	588.6	553.0	523.9	497.0	493.8
55°	3038.0	2770.6	2088.2	1361.6	881.9	659.8	577.8	546.6	517.5	488.4	485.1
57.5°	3169.5	2896.8	2142.1	1351.9	860.3	643.6	567.1	536.9	509.9	480.8	477.6
60°	3266.5	2979.8	2166.9	1333.6	835.5	625.3	554.1	527.2	502.4	474.3	471.1
62.5°	3324.7	3026.1	2161.5	1301.2	804.2	606.9	542.3	517.5	494.8	466.8	464.6
65°	3315.0	3007.8	2120.5	1249.5	770.8	583.2	523.9	504.5	484.0	458.2	454.9
67.5°	3236.3	2933.4	2037.5	1184.8	733.1	559.5	506.7	487.3	470.0	447.4	440.9
70°	3096.2	2796.5	1917.9	1103.9	690.0	532.6	486.2	467.9	452.8	431.2	424.8
72.5°	2860.1	2597.1	1765.9	1019.8	643.6	501.3	459.3	444.2	428.0	410.7	403.2
75°	2590.6	2346.9	1586.9	920.7	594.0	470.0	431.2	416.1	401.0	382.7	376.2
77.5°	2297.3	2063.4	1401.5	833.3	543.3	434.5	400.0	387.0	371.9	352.5	345.0
80°	1947.0	1760.5	1204.2	733.1	492.7	400.0	367.6	353.6	337.4	319.1	311.6
82.5°	1631.1	1466.2	1022.0	642.5	442.0	364.4	336.4	315.9	300.8	282.5	269.5
85°	1333.6	1218.2	857.1	552.0	394.6	327.7	299.7	282.5	265.2	243.6	235.0
87.5°	1072.7	974.6	704.0	476.5	348.2	292.2	266.3	249.0	229.6	207.0	199.4
90°	848.4	788.1	585.4	409.7	308.3	262.0	236.1	217.8	196.2	175.7	171.4
92.5°	672.7	630.7	484.0	348.2	271.7	231.8	208.1	189.7	168.2	147.7	141.2
95°	541.2	500.2	396.7	304.0	238.3	203.8	183.3	166.0	144.5	124.0	119.7
97.5°	432.3	400.0	325.6	255.5	209.1	181.1	162.8	144.5	122.9	104.6	102.4
100°	338.5	319.1	269.5	219.9	184.3	160.6	143.4	127.2	105.7	87.3	86.2
102.5°	270.6	259.8	224.2	189.7	161.7	142.3	128.3	111.0	91.6	74.4	73.3
105°	217.8	211.3	186.5	162.8	143.4	127.2	114.3	97.0	77.6	63.6	63.6
107.5°	176.8	171.4	156.3	139.1	126.1	114.3	100.3	85.2	66.8	55.0	55.0
110°	144.5	142.3	132.6	120.7	111.0	101.3	88.4	73.3	57.1	48.5	48.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	120.7	119.7	112.1	105.7	98.1	89.5	78.7	64.7	49.6	42.0	43.1
115°	100.3	100.3	95.9	91.6	86.2	79.8	69.0	55.0	42.0	37.7	37.7
117.5°	85.2	84.1	83.0	79.8	76.5	70.1	59.3	47.4	35.6	33.4	34.5
120°	73.3	73.3	71.2	70.1	66.8	60.4	51.7	39.9	30.2	30.2	30.2
122.5°	62.5	63.6	61.4	60.4	58.2	53.9	44.2	33.4	27.0	25.9	27.0
125°	55.0	55.0	53.9	52.8	50.7	45.3	37.7	28.0	22.6	23.7	23.7
127.5°	46.4	47.4	46.4	45.3	44.2	38.8	31.3	22.6	19.4	20.5	20.5
130°	41.0	41.0	39.9	38.8	36.7	32.3	25.9	18.3	17.2	18.3	18.3
132.5°	34.5	34.5	34.5	32.3	30.2	27.0	20.5	15.1	14.0	16.2	16.2
135°	29.1	29.1	29.1	27.0	24.8	20.5	15.1	11.9	11.9	14.0	14.0
137.5°	23.7	24.8	23.7	21.6	19.4	16.2	11.9	8.6	9.7	11.9	11.9
140°	19.4	19.4	18.3	17.2	14.0	10.8	7.5	6.5	8.6	9.7	9.7
142.5°	15.1	15.1	14.0	11.9	9.7	7.5	4.3	4.3	6.5	7.5	7.5
145°	10.8	10.8	9.7	7.5	5.4	3.2	1.1	2.2	4.3	5.4	5.4
147.5°	6.5	6.5	6.5	5.4	3.2	1.1	0.0	1.1	2.2	3.2	3.2
150°	4.3	4.3	4.3	3.2	2.2	0.0	0.0	0.0	1.1	2.2	2.2
152.5°	2.2	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.1	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)