

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: P416727

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416727
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-PA1-80-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 7913 lumens
Efficiency: N/A
Efficacy: 95.3 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 - G4

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

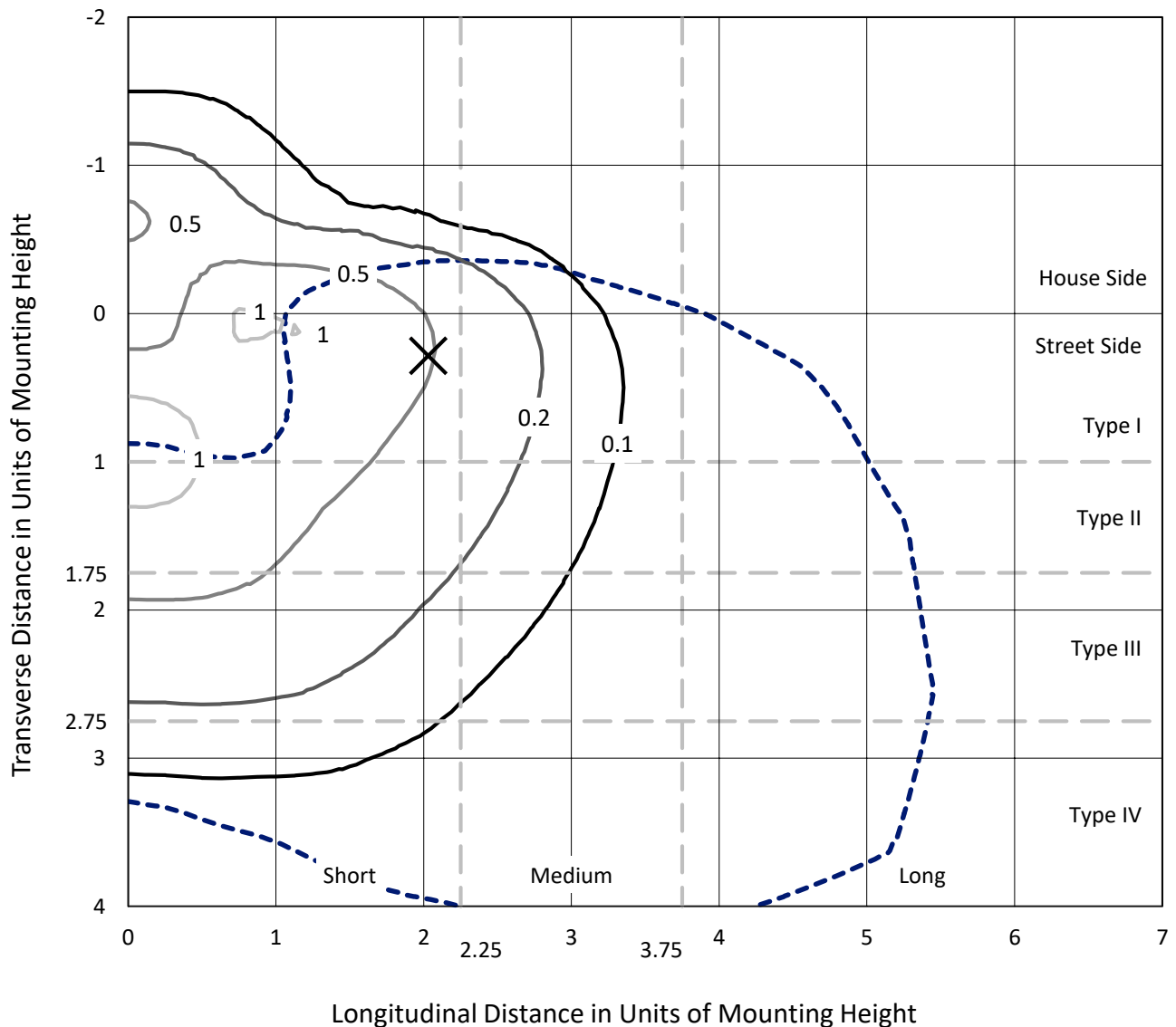


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

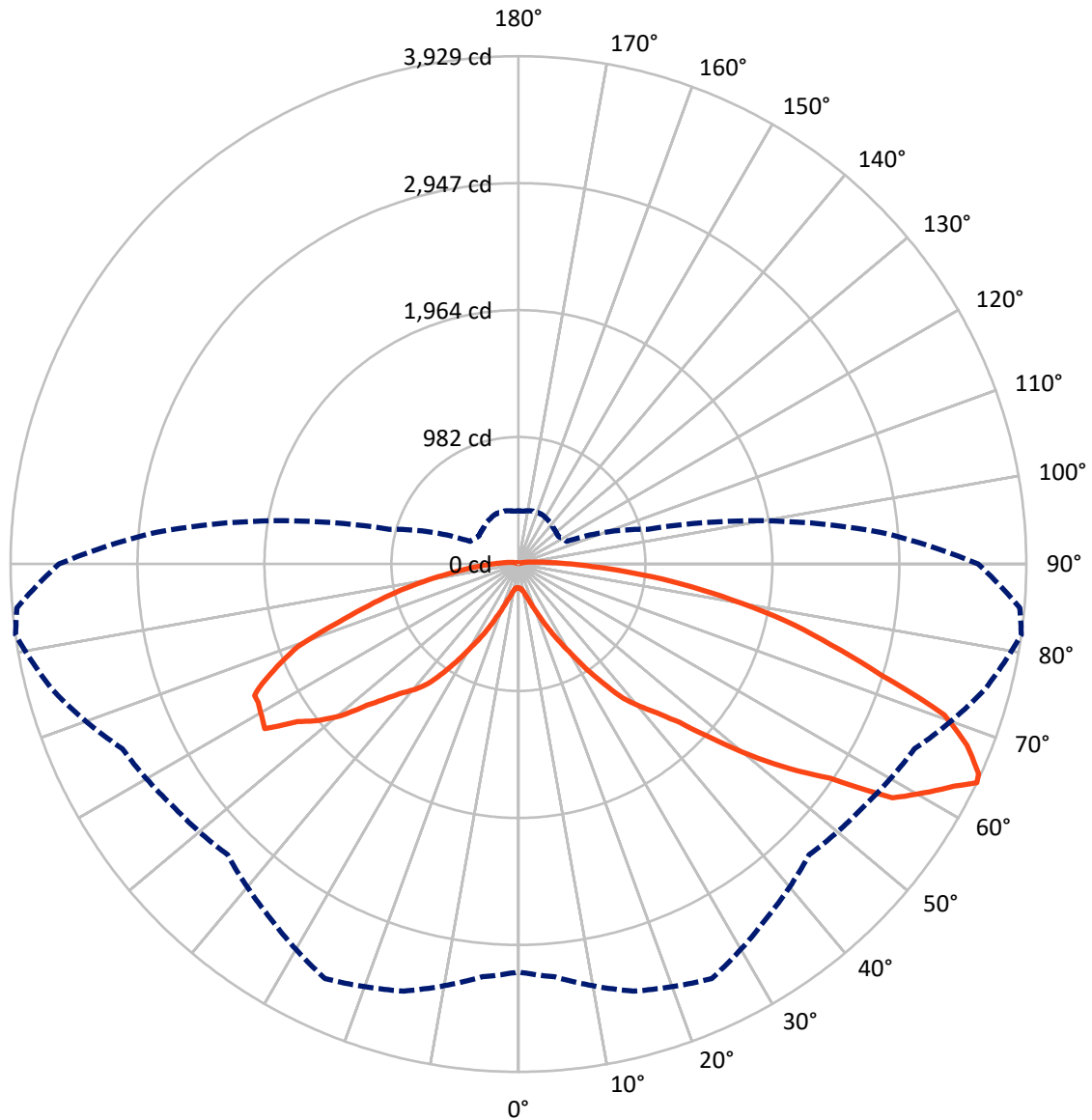


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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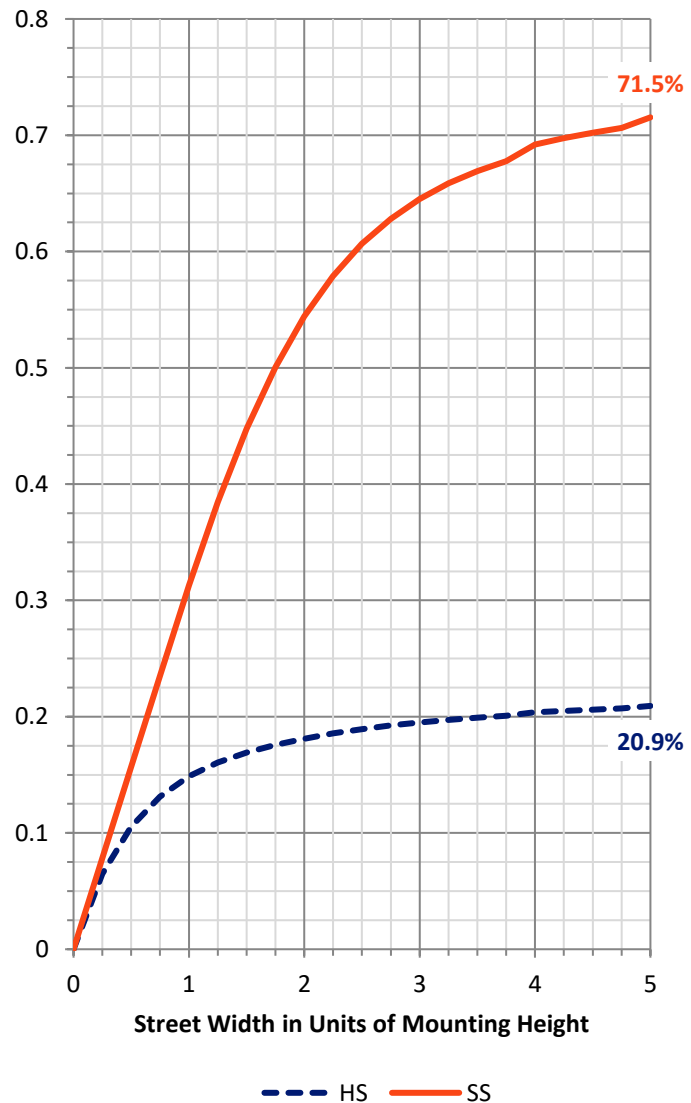
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1739.5	130.3	1869.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5872.4	170.8	6043.1
	% Fixture	74.2	2.2	76.4
Total	Lumens	7611.9	301.1	7913.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.2
10°-20°	81.4	1.0
20°-30°	234.6	3.0
30°-40°	538.5	6.8
40°-50°	945.7	12.0
50°-60°	1519.1	19.2
60°-70°	2039.2	25.8
70°-80°	1559.1	19.7
80°-90°	675.3	8.5
90°-100°	189.7	2.4
100°-110°	57.6	0.7
110°-120°	25.3	0.3
120°-130°	14.5	0.2
130°-140°	8.8	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7611.9	96.2
0°-180°	7913.0	100.0



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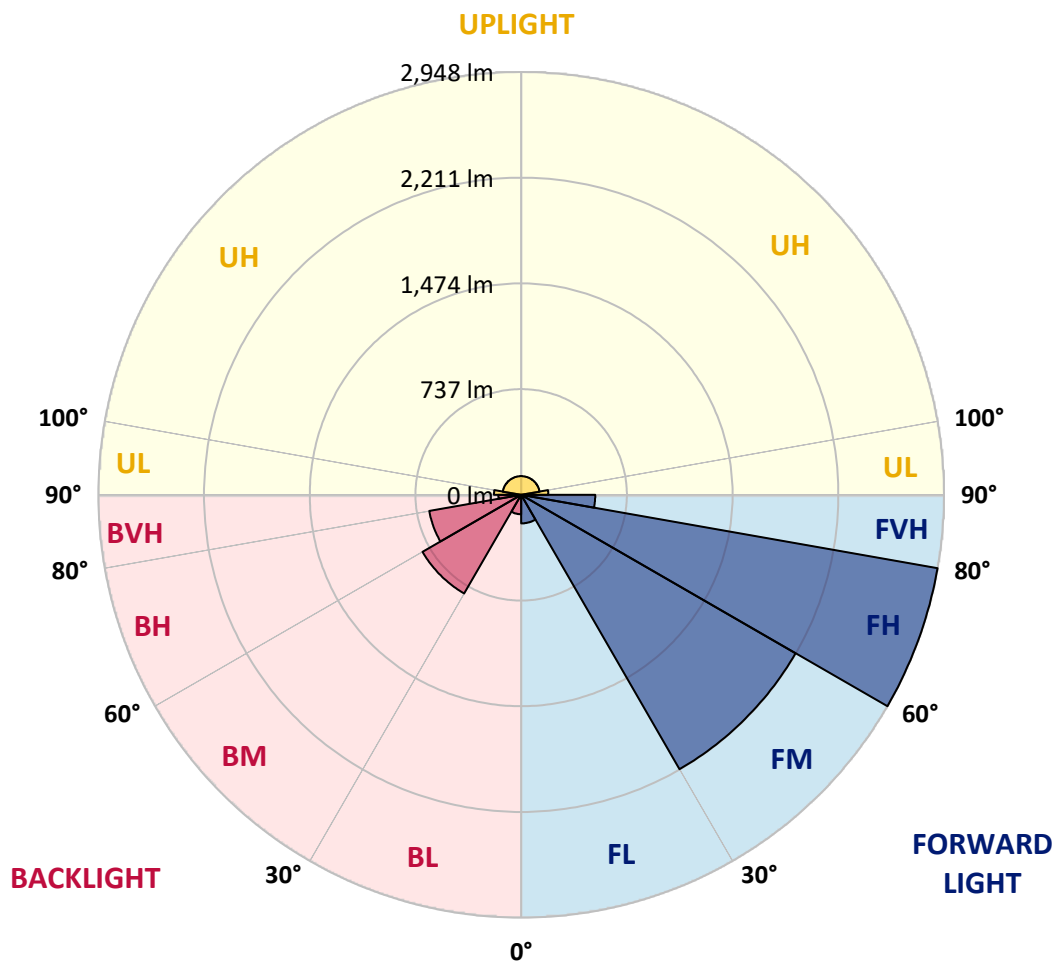
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.2	2.5			
FM	(30°-60°)	2208.9	27.9			
FH	(60°-80°)	2948.0	37.3			G2/5000
FVH	(80°-90°)	516.2	6.5			G4/750
BL	(0°-30°)	135.8	1.7	B1/500		
BM	(30°-60°)	794.4	10.0	B1/1000		
BH	(60°-80°)	650.2	8.2	B2/1000		G2/1000
BVH	(80°-90°)	159.1	2.0			G2/225
UL	(90°-100°)	189.7	2.4		U3/500	
UH	(100°-180°)	130.3	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	198.5	197.6	197.6	198.5	198.5	196.7	193.1	190.3	187.6	186.7	185.8
5°	216.8	215.8	214.9	215.8	213.1	210.4	204.9	199.5	195.8	192.2	191.3
7.5°	241.3	240.4	239.5	237.7	234.1	228.6	220.4	213.1	206.7	202.2	200.4
10°	273.2	269.6	268.7	265.0	258.6	249.5	240.4	231.3	224.0	217.7	214.9
12.5°	316.9	316.9	309.6	301.5	290.5	276.9	265.0	257.7	250.5	246.8	241.3
15°	370.7	368.8	361.6	347.9	329.7	314.2	301.5	292.3	287.8	281.4	278.7
17.5°	429.9	426.2	419.8	398.9	377.0	360.7	346.1	337.0	334.2	328.8	327.9
20°	507.3	501.8	486.3	460.8	430.8	412.6	398.9	388.9	388.0	389.8	388.9
22.5°	599.3	595.6	576.5	530.0	496.3	469.9	451.7	453.5	465.4	470.8	463.6
25°	709.5	713.1	681.2	619.3	574.7	530.0	522.8	532.8	559.2	573.8	574.7
27.5°	839.7	838.8	796.9	728.6	659.4	609.3	597.4	626.6	663.9	684.9	684.9
30°	985.4	998.2	939.0	849.7	753.2	694.0	684.9	729.5	768.7	806.0	816.9
32.5°	1179.4	1176.7	1100.2	992.7	864.3	780.5	773.2	829.7	918.0	969.9	969.9
35°	1420.7	1410.7	1304.2	1143.0	970.8	877.0	877.9	956.3	1072.8	1136.6	1143.0
37.5°	1628.4	1636.6	1529.1	1333.3	1108.4	987.2	998.2	1103.8	1244.1	1318.7	1344.2
40°	1850.6	1853.3	1734.9	1521.8	1256.8	1104.7	1131.1	1253.2	1386.1	1448.1	1472.7
42.5°	2046.4	2062.8	1944.4	1711.3	1407.1	1248.6	1261.4	1367.9	1500.0	1573.7	1608.4
45°	2181.2	2190.3	2117.5	1885.2	1570.1	1395.2	1393.4	1492.7	1663.0	1745.0	1800.5
47.5°	2364.3	2388.9	2284.1	2060.1	1737.7	1544.6	1529.1	1656.6	1880.7	2013.6	2061.0
50°	2579.2	2616.5	2542.8	2272.3	1928.9	1720.4	1723.1	1875.2	2151.2	2325.1	2374.3
52.5°	2793.2	2807.8	2758.6	2527.3	2151.2	1925.3	1947.1	2137.5	2454.4	2632.9	2663.0
55°	2908.0	2928.9	2943.5	2760.4	2418.0	2168.5	2206.7	2436.2	2713.1	2922.5	2990.8
57.5°	3017.3	3046.4	3084.7	2959.9	2683.0	2469.0	2506.3	2710.3	3114.7	3413.4	3465.3
60°	3202.1	3227.6	3301.4	3199.4	2926.2	2755.9	2795.0	3081.9	3391.6	3597.4	3602.9
62.5°	3199.4	3239.5	3418.0	3443.5	3186.7	3031.8	3127.5	3282.3	3527.3	3785.9	3780.5
64°	3155.7	3205.8	3420.7	3539.1	3345.1	3181.2	3264.1	3380.6	3737.6	3928.9	3894.3
65°	3124.7	3180.3	3412.5	3563.7	3431.6	3265.9	3327.8	3462.6	3798.7	3912.5	3865.1
67.5°	2954.4	3016.3	3324.2	3561.0	3520.9	3398.9	3418.9	3544.6	3697.6	3742.2	3657.5
70°	2649.3	2682.1	3031.8	3411.6	3432.6	3316.0	3370.6	3435.3	3519.1	3497.2	3386.1
72.5°	2091.0	2158.4	2511.8	3052.8	3172.1	3088.3	3109.2	3141.1	3056.4	2930.7	2798.7
75°	1489.0	1549.2	1878.8	2408.0	2762.3	2728.6	2757.7	2706.7	2612.9	2498.1	2368.8
77.5°	1035.5	1054.6	1326.9	1816.9	2207.6	2310.5	2373.4	2301.4	2248.6	2111.1	2007.3
80°	670.3	702.2	873.4	1316.0	1749.5	1959.9	2061.0	2014.5	1891.6	1672.1	1553.7
82.5°	415.3	440.8	575.6	934.4	1387.0	1679.4	1776.8	1713.1	1516.4	1271.4	1153.0
85°	237.7	243.2	337.0	608.4	1013.6	1334.2	1464.5	1362.5	1133.9	897.1	793.2
87.5°	136.6	141.2	201.3	372.5	701.3	1005.4	1129.3	980.9	761.4	576.5	508.2
90°	87.4	92.9	130.2	243.2	451.7	718.6	809.6	673.0	510.0	365.2	321.5
92.5°	60.1	62.8	87.4	151.2	291.4	474.5	541.0	449.9	317.8	233.1	206.7
95°	43.7	45.5	61.9	102.9	187.6	297.8	334.2	285.1	208.6	154.8	138.4
97.5°	35.5	36.4	48.3	75.6	129.3	189.4	200.4	177.6	138.4	110.2	103.8
100°	30.1	31.0	40.1	58.3	92.0	123.9	126.6	119.3	97.4	82.0	78.3
102.5°	27.3	27.3	33.7	47.4	69.2	88.3	88.3	82.0	67.4	60.1	60.1
105°	24.6	24.6	29.1	39.2	54.6	68.3	67.4	60.1	51.0	45.5	46.4
107.5°	21.9	21.9	25.5	31.9	44.6	53.7	51.9	44.6	39.2	35.5	36.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	20.0	20.0	22.8	27.3	37.3	44.6	41.9	34.6	29.1	29.1	30.1
112.5°	18.2	18.2	20.0	24.6	31.9	36.4	33.7	27.3	23.7	23.7	24.6
115°	16.4	16.4	18.2	21.9	28.2	31.0	28.2	21.9	19.1	20.0	21.9
117.5°	15.5	15.5	17.3	20.0	24.6	26.4	23.7	18.2	16.4	18.2	19.1
120°	14.6	14.6	16.4	19.1	22.8	23.7	20.0	16.4	14.6	16.4	17.3
122.5°	14.6	14.6	15.5	18.2	20.9	20.9	18.2	14.6	12.8	14.6	15.5
125°	14.6	14.6	15.5	17.3	19.1	19.1	16.4	12.8	11.8	13.7	13.7
127.5°	15.5	15.5	16.4	17.3	18.2	17.3	14.6	11.8	10.9	12.8	12.8
130°	15.5	15.5	15.5	16.4	16.4	15.5	12.8	10.9	10.9	11.8	12.8
132.5°	15.5	15.5	15.5	15.5	15.5	13.7	11.8	10.0	10.9	11.8	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.8	10.0	8.2	10.0	10.9	10.9
137.5°	12.8	13.7	12.8	12.8	12.8	10.9	8.2	7.3	8.2	10.0	10.0
140°	11.8	11.8	11.8	11.8	10.9	9.1	7.3	5.5	6.4	8.2	8.2
142.5°	10.9	10.9	10.9	10.0	10.0	8.2	5.5	4.6	5.5	6.4	6.4
145°	9.1	9.1	9.1	9.1	8.2	6.4	4.6	3.6	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	6.4	5.5	3.6	3.6	4.6	4.6	4.6
150°	5.5	6.4	6.4	6.4	5.5	4.6	2.7	2.7	3.6	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	2.7	1.8	2.7	3.6	3.6	3.6
155°	2.7	3.6	3.6	3.6	3.6	2.7	1.8	2.7	2.7	3.6	3.6
157.5°	1.8	1.8	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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°	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9	184.9
2.5°	184.9	184.0	182.1	180.3	179.4	179.4	177.6	176.7	173.9	173.9	173.0
5°	188.5	186.7	183.1	179.4	176.7	175.8	173.9	171.2	169.4	168.5	168.5
7.5°	196.7	194.0	186.7	182.1	178.5	175.8	173.9	171.2	169.4	168.5	168.5
10°	210.4	205.8	197.6	189.4	184.0	180.3	178.5	177.6	176.7	175.8	175.8
12.5°	236.8	230.4	216.8	206.7	195.8	190.3	188.5	190.3	194.9	196.7	197.6
15°	273.2	265.0	248.6	230.4	214.0	204.9	208.6	217.7	225.9	229.5	228.6
17.5°	318.8	306.0	286.0	261.4	238.6	234.1	237.7	247.7	259.6	265.0	264.1
20°	377.0	367.0	337.0	296.9	271.4	264.1	266.8	279.6	296.9	302.4	304.2
22.5°	457.2	442.6	396.2	340.6	306.9	293.3	296.0	312.4	336.1	348.8	351.5
25°	561.0	545.5	477.2	392.5	339.7	318.8	329.7	351.5	389.8	409.8	408.0
27.5°	681.2	654.8	565.6	456.3	378.0	345.2	361.6	397.1	437.2	462.7	460.8
30°	792.3	769.6	650.3	514.6	410.7	370.7	388.0	433.5	480.0	510.9	512.7
32.5°	959.0	917.1	749.5	564.7	437.2	391.6	408.0	463.6	517.3	554.6	553.7
35°	1131.1	1083.8	858.8	622.9	459.9	405.3	422.6	485.4	544.6	589.2	590.2
37.5°	1312.4	1245.9	956.3	661.2	478.1	413.5	430.8	500.9	576.5	627.5	629.3
40°	1434.4	1358.8	1015.5	681.2	483.6	418.9	438.1	511.8	582.0	619.3	622.9
42.5°	1571.0	1464.5	1046.4	664.8	477.2	418.0	439.9	503.6	558.3	584.7	587.4
45°	1759.5	1616.6	1080.1	639.3	459.9	415.3	432.6	481.8	517.3	527.3	527.3
47.5°	2004.5	1801.4	1136.6	612.0	441.7	407.1	419.8	451.7	465.4	463.6	459.0
50°	2298.7	2063.7	1204.9	588.3	424.4	397.1	405.3	423.5	428.0	422.6	419.8
52.5°	2591.9	2275.0	1252.3	567.4	413.5	388.0	393.4	407.1	407.1	390.7	388.0
55°	2860.6	2466.3	1239.5	527.3	405.3	383.4	388.9	398.9	390.7	371.6	367.9
57.5°	3295.0	2796.9	1272.3	488.2	393.4	382.5	389.8	396.2	384.3	366.1	362.5
60°	3372.4	2783.2	1194.9	463.6	385.2	385.2	393.4	400.7	392.5	376.1	375.2
62.5°	3479.9	2795.9	1077.4	428.0	379.8	387.1	401.6	412.6	411.7	399.8	398.0
64°	3555.5	2814.2	1035.5	411.7	375.2	387.1	408.0	424.4	424.4	410.7	410.7
65°	3480.8	2744.9	1004.5	403.5	370.7	387.1	411.7	431.7	429.9	418.9	417.1
67.5°	3255.0	2520.0	873.4	385.2	360.7	387.1	421.7	443.5	446.3	437.2	433.5
70°	2979.0	2274.1	759.6	364.3	350.6	382.5	421.7	450.8	455.4	445.3	442.6
72.5°	2428.0	1828.8	626.6	341.5	336.1	371.6	416.2	447.2	451.7	439.9	436.2
75°	2035.5	1493.6	519.1	319.7	320.6	357.9	402.5	430.8	430.8	418.0	412.6
77.5°	1676.7	1205.8	429.9	298.7	302.4	340.6	378.0	396.2	390.7	378.9	371.6
80°	1255.9	910.7	354.3	276.0	279.6	312.4	343.3	356.1	350.6	336.1	334.2
82.5°	918.9	654.8	302.4	252.3	255.0	281.4	304.2	315.1	319.7	307.8	304.2
85°	603.8	461.7	259.6	228.6	230.4	250.5	265.0	274.1	284.1	280.5	278.7
87.5°	394.3	319.7	219.5	201.3	203.1	219.5	229.5	238.6	258.6	261.4	257.7
90°	265.0	224.0	181.2	173.9	176.7	190.3	195.8	204.9	226.8	230.4	230.4
92.5°	177.6	160.3	146.6	146.6	151.2	163.0	163.9	166.7	184.9	189.4	187.6
95°	124.8	119.3	118.4	120.2	125.7	134.8	130.2	128.4	140.3	141.2	139.3
97.5°	95.6	93.8	95.6	98.4	101.1	110.2	105.6	101.1	106.6	104.7	106.6
100°	76.5	75.6	78.3	78.3	81.1	89.3	85.6	82.9	83.8	80.1	80.1
102.5°	61.0	61.0	63.8	64.7	66.5	72.9	71.9	69.2	67.4	63.8	64.7
105°	47.4	48.3	51.9	52.8	55.6	61.0	60.1	56.5	54.6	50.1	51.0
107.5°	38.3	40.1	42.8	43.7	46.4	51.0	49.2	45.5	42.8	41.0	41.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.9	32.8	35.5	36.4	39.2	42.8	41.9	37.3	33.7	32.8	33.7
112.5°	26.4	28.2	30.1	31.0	33.7	36.4	33.7	30.1	27.3	28.2	28.2
115°	22.8	23.7	25.5	26.4	28.2	31.0	28.2	24.6	22.8	23.7	24.6
117.5°	20.9	21.9	22.8	22.8	24.6	26.4	23.7	20.9	20.0	20.9	21.9
120°	18.2	19.1	20.0	20.9	21.9	22.8	20.9	18.2	17.3	19.1	19.1
122.5°	16.4	17.3	17.3	18.2	19.1	20.0	18.2	16.4	15.5	16.4	17.3
125°	14.6	15.5	16.4	16.4	17.3	17.3	16.4	14.6	14.6	15.5	15.5
127.5°	13.7	14.6	14.6	15.5	15.5	15.5	14.6	12.8	13.7	14.6	14.6
130°	13.7	13.7	13.7	13.7	13.7	13.7	12.8	11.8	12.8	13.7	13.7
132.5°	12.8	12.8	12.8	12.8	12.8	11.8	10.9	10.9	11.8	12.8	12.8
135°	11.8	11.8	10.9	10.9	10.9	10.9	10.0	10.0	10.0	10.9	10.9
137.5°	10.0	10.0	9.1	9.1	9.1	9.1	8.2	8.2	9.1	10.0	10.0
140°	8.2	8.2	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2	9.1
142.5°	6.4	6.4	6.4	5.5	5.5	6.4	6.4	6.4	7.3	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	4.6	4.6	4.6	3.6	2.7	4.6	4.6	4.6	5.5	4.6	4.6
150°	4.6	4.6	3.6	2.7	2.7	2.7	3.6	3.6	3.6	3.6	3.6
152.5°	3.6	3.6	3.6	2.7	1.8	1.8	2.7	3.6	2.7	2.7	2.7
155°	3.6	3.6	2.7	2.7	1.8	0.9	1.8	2.7	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	0.9	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)