

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: P414015

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7240 lumens
Efficiency: N/A
Efficacy: 75.4 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

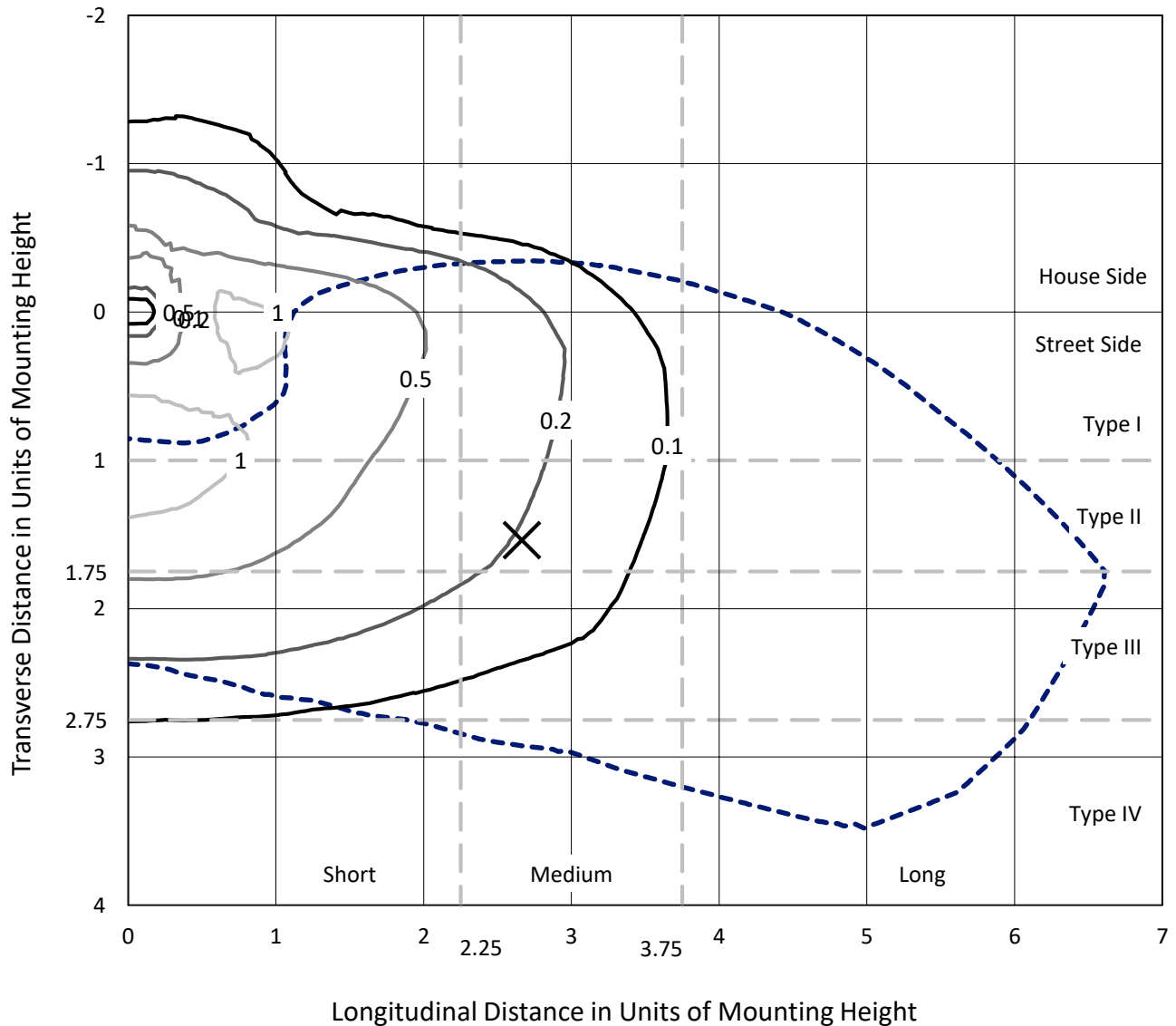
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

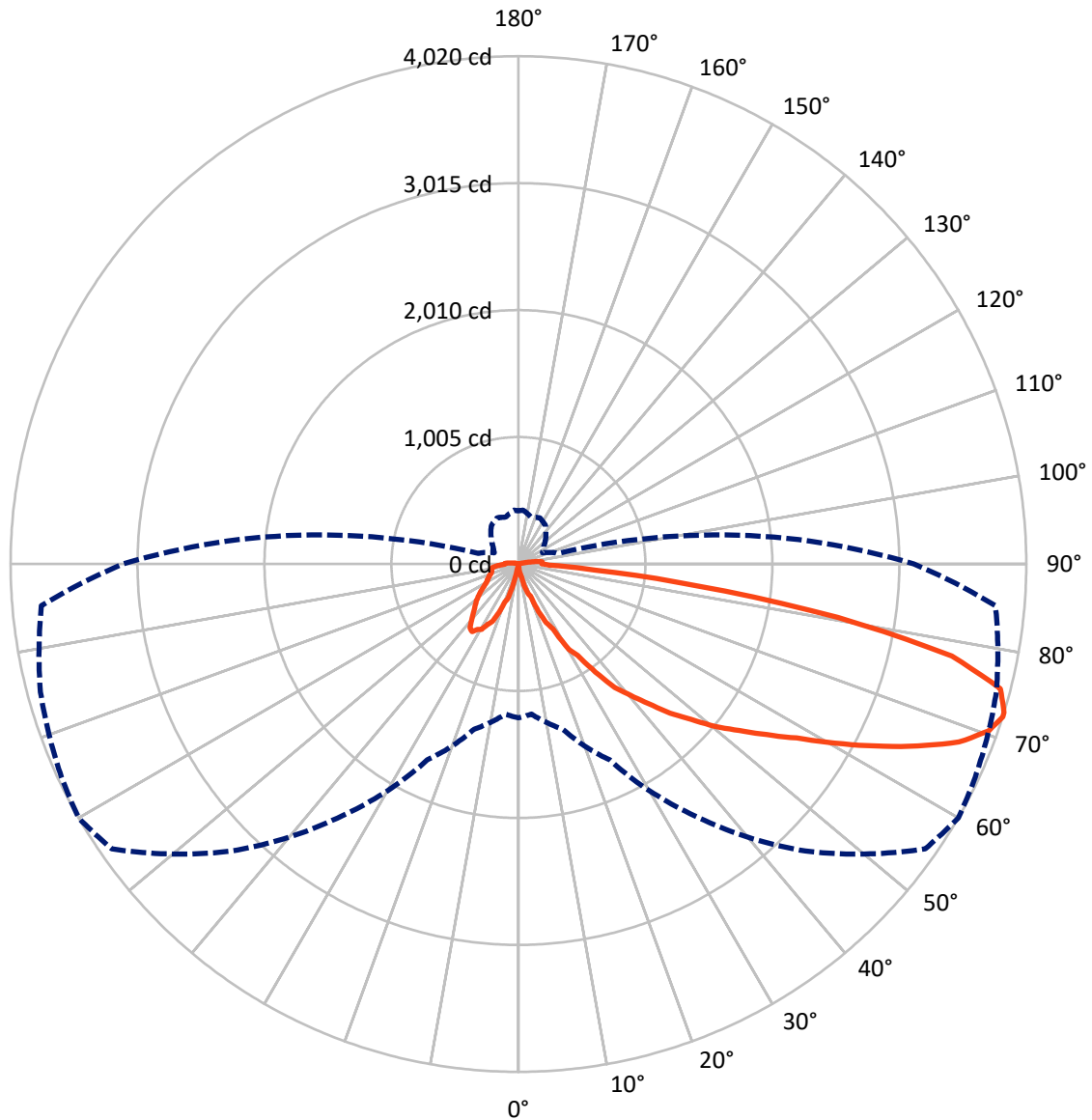


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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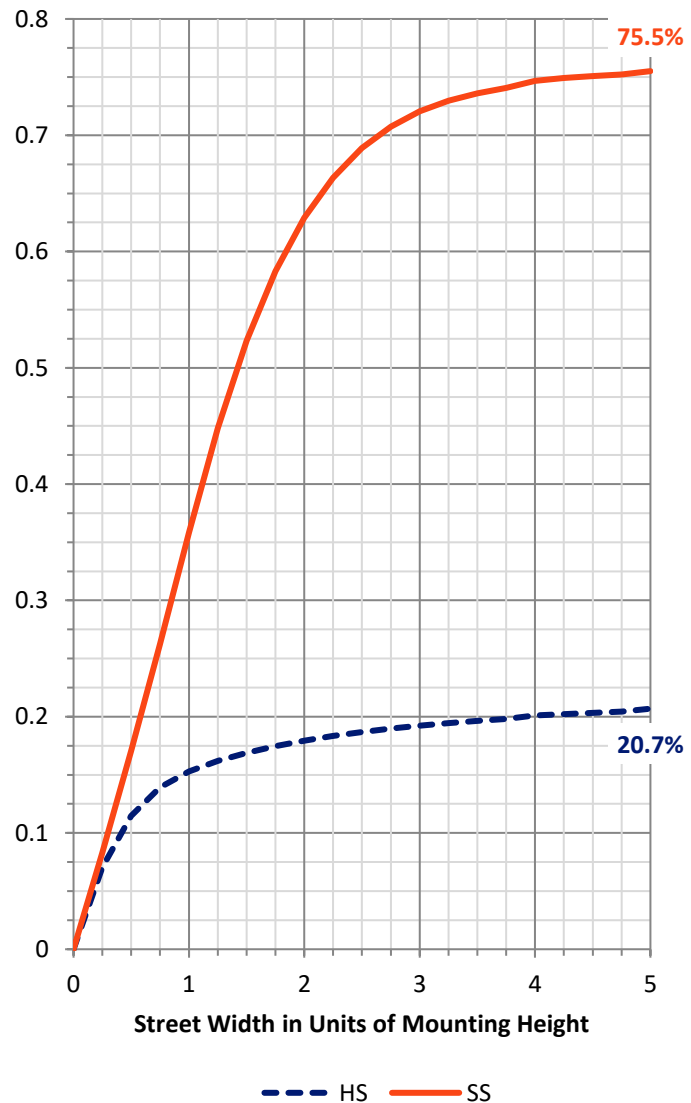
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.3	77.2	1659.5
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5512.7	67.8	5580.4
	% Fixture	76.1	0.9	77.1
Total	Lumens	7095.0	145.0	7240.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	59.2	0.8
20°-30°	246.8	3.4
30°-40°	570.2	7.9
40°-50°	1001.3	13.8
50°-60°	1513.4	20.9
60°-70°	1865.9	25.8
70°-80°	1440.6	19.9
80°-90°	393.6	5.4
90°-100°	106.9	1.5
100°-110°	18.5	0.3
110°-120°	7.1	0.1
120°-130°	5.1	0.1
130°-140°	3.4	0.0
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7095.0	98.0
0°-180°	7240.0	100.0

Coefficient of Utilization



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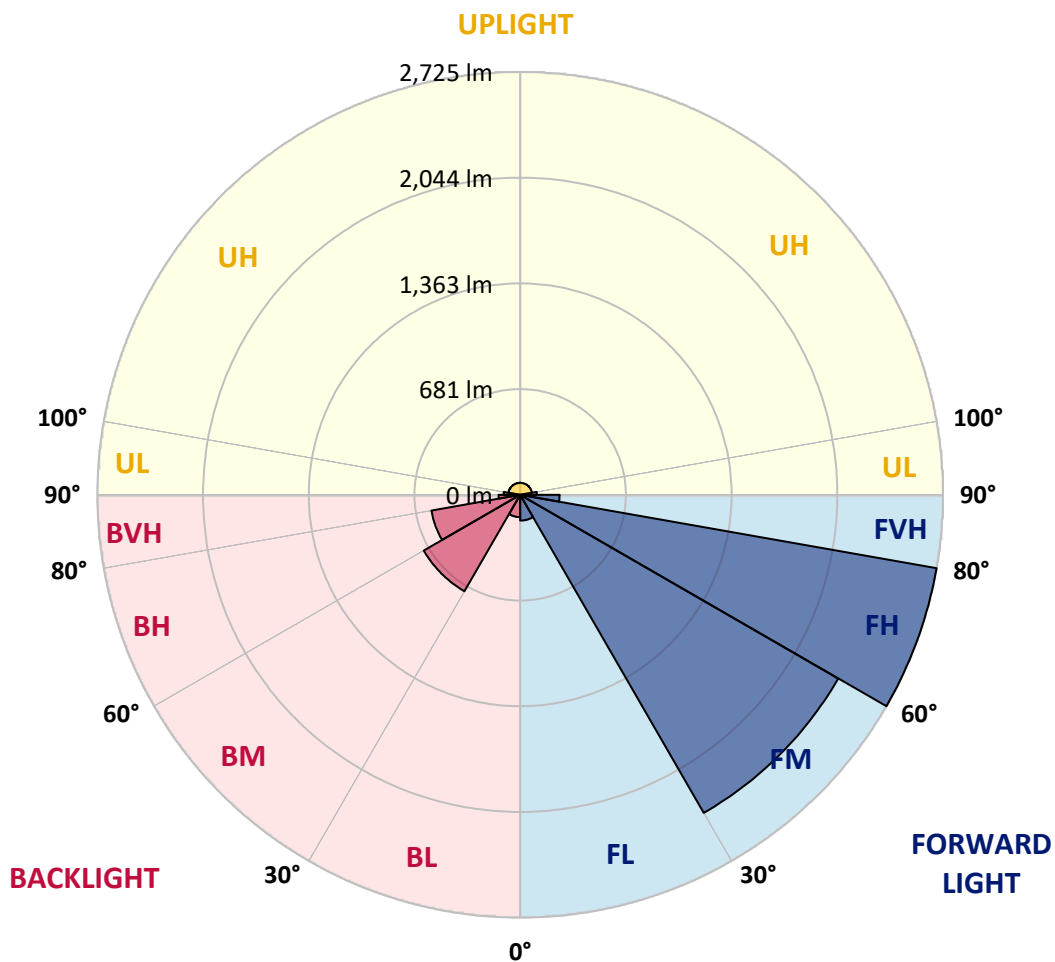
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.2	2.3			
FM	(30°-60°)	2367.2	32.7			
FH	(60°-80°)	2725.1	37.6			G2/5000
FVH	(80°-90°)	254.2	3.5			G3/500
BL	(0°-30°)	143.8	2.0	B1/500		
BM	(30°-60°)	717.7	9.9	B1/1000		
BH	(60°-80°)	581.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	139.4	1.9			G2/225
UL	(90°-100°)	106.9	1.5		U3/500	
UH	(100°-180°)	77.2	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	9.6	8.8	8.0	8.0	8.8	8.0	7.2	6.4	5.6	5.6	4.8
5°	89.9	87.5	86.7	69.8	32.1	24.9	11.2	8.8	7.2	5.6	4.8
7.5°	99.5	98.7	97.9	97.9	96.3	91.5	52.2	25.7	14.4	7.2	6.4
10°	114.0	112.4	107.5	105.1	102.7	101.1	93.9	89.1	40.1	12.0	10.4
12.5°	203.1	199.8	195.0	144.5	123.6	109.2	106.7	102.7	89.1	36.9	74.6
15°	218.3	217.5	214.3	211.9	205.5	136.4	165.3	188.6	213.5	174.2	194.2
17.5°	274.5	266.5	245.6	233.6	229.5	250.4	239.2	243.2	243.2	234.4	222.3
20°	410.1	404.5	394.1	347.5	261.6	322.6	316.2	268.9	276.9	342.7	398.1
22.5°	494.4	488.8	467.1	437.4	431.8	358.8	373.2	407.7	417.3	480.8	479.9
25°	671.0	660.5	614.0	526.5	537.7	463.1	520.9	512.9	488.0	529.7	544.2
27.5°	819.4	810.6	788.1	744.0	623.6	647.7	592.3	581.9	648.5	765.7	763.3
30°	983.2	935.0	874.8	861.2	772.1	734.4	748.8	783.3	808.2	819.4	847.5
32.5°	1192.7	1187.0	1142.1	964.7	936.6	839.5	908.5	861.2	880.4	1042.6	1138.9
35°	1337.9	1352.4	1272.9	1167.0	1033.7	1031.3	1002.4	1049.8	1142.1	1164.6	1231.2
37.5°	1676.6	1680.6	1609.2	1306.6	1219.9	1136.5	1226.4	1239.2	1264.9	1303.4	1359.6
40°	1931.8	1895.7	1807.4	1582.7	1394.1	1303.4	1367.6	1366.0	1422.2	1492.8	1528.1
42.5°	2246.5	2206.3	2048.2	1793.8	1617.2	1516.9	1523.3	1509.7	1556.2	1667.8	1689.5
45°	2510.5	2492.8	2370.9	2102.8	1863.6	1743.2	1699.9	1683.0	1706.3	1846.8	1858.8
47.5°	2760.1	2712.8	2633.3	2362.0	2221.6	2002.5	1878.1	1837.9	1845.2	2004.9	2040.2
50°	3024.2	2944.7	2846.8	2608.4	2506.5	2328.3	2082.7	2020.1	2022.5	2170.2	2230.4
52.5°	3180.7	3054.7	2991.3	2793.8	2691.1	2602.0	2297.0	2188.7	2199.9	2339.6	2431.0
55°	3083.6	3045.8	3047.4	2929.5	2853.2	2748.9	2504.9	2383.7	2396.5	2560.3	2675.0
57.5°	2919.8	2948.7	3050.7	3045.8	3003.3	2901.4	2712.0	2598.8	2672.6	2809.9	2931.1
60°	2793.8	2826.7	2992.1	3077.1	3156.6	3082.0	2926.2	2877.3	2946.3	3065.9	3211.2
62.5°	2583.5	2610.0	2837.2	3061.9	3152.6	3236.0	3130.1	3174.2	3237.7	3338.8	3515.4
65°	2296.2	2289.8	2572.3	2922.2	3126.1	3321.9	3392.6	3473.6	3531.4	3639.8	3800.3
67.5°	1956.7	1988.8	2226.4	2621.3	3022.6	3365.3	3613.3	3761.7	3797.9	3839.6	3955.2
70°	1598.0	1596.4	1804.2	2224.0	2800.2	3341.2	3822.7	3951.2	3952.0	3927.1	3961.6
72°	1218.3	1192.7	1353.2	1711.1	2431.9	3212.0	3930.3	4020.2	3990.5	3916.6	3790.6
72.5°	1045.8	1069.1	1219.9	1611.6	2266.5	3147.8	3941.5	4019.4	3987.3	3906.2	3739.3
75°	530.5	496.8	582.7	863.6	1563.4	2543.4	3860.5	3940.7	3850.8	3749.7	3278.6
77.5°	207.9	213.5	247.2	373.2	760.9	1675.0	3332.4	3507.3	3449.5	3378.1	2586.0
80°	146.1	146.1	165.3	212.7	390.1	680.6	2309.1	2563.5	2652.6	2687.9	1729.6
82.5°	105.9	107.5	126.0	148.5	278.5	326.7	1134.1	1424.6	1565.1	1696.7	967.1
85°	98.7	98.7	101.1	99.5	199.0	232.8	412.5	608.4	703.1	824.3	390.9
87.5°	46.6	50.6	74.6	59.4	97.9	143.7	224.7	244.0	249.6	283.3	280.9
90°	30.5	30.5	24.9	25.7	48.2	116.4	180.6	184.6	177.4	207.9	261.6
92.5°	31.3	32.1	23.3	24.1	37.7	106.7	185.4	188.6	183.0	218.3	277.7
95°	28.9	28.9	20.1	20.9	29.7	81.9	185.4	188.6	172.6	217.5	277.7
97.5°	24.1	24.9	16.1	16.9	23.3	40.1	128.4	138.0	110.0	110.8	135.6
100°	20.9	20.9	12.8	13.6	16.9	18.5	65.0	68.2	61.0	27.3	18.5
102.5°	20.9	20.9	11.2	11.2	11.2	10.4	20.1	33.7	28.1	16.1	17.7
105°	20.1	20.9	10.4	8.8	8.8	8.0	10.4	12.8	12.8	12.8	18.5
107.5°	16.1	16.9	8.0	8.0	7.2	7.2	5.6	5.6	8.0	12.0	20.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.8	12.8	6.4	7.2	5.6	6.4	4.8	4.8	7.2	8.8	15.2
112.5°	7.2	7.2	4.8	5.6	4.8	5.6	4.8	4.8	5.6	7.2	9.6
115°	6.4	6.4	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.4	10.4
117.5°	6.4	6.4	4.0	4.0	4.0	3.2	3.2	4.0	4.0	6.4	10.4
120°	6.4	6.4	4.0	4.0	3.2	3.2	3.2	4.0	4.0	6.4	10.4
122.5°	7.2	6.4	4.0	3.2	3.2	3.2	3.2	3.2	4.0	5.6	10.4
125°	7.2	6.4	4.8	3.2	3.2	3.2	3.2	3.2	4.0	5.6	8.8
127.5°	7.2	7.2	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	8.0
130°	7.2	6.4	4.8	3.2	3.2	3.2	3.2	3.2	3.2	4.8	7.2
132.5°	6.4	6.4	4.8	3.2	4.0	3.2	3.2	3.2	3.2	4.0	5.6
135°	5.6	5.6	4.0	4.0	4.0	3.2	3.2	3.2	3.2	3.2	4.8
137.5°	5.6	5.6	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.0
140°	5.6	5.6	4.8	4.8	4.8	4.0	3.2	3.2	3.2	4.0	4.0
142.5°	6.4	6.4	5.6	4.8	4.8	4.0	3.2	3.2	4.0	4.0	4.0
145°	7.2	7.2	6.4	5.6	4.8	3.2	3.2	4.0	4.0	4.0	4.8
147.5°	7.2	7.2	6.4	4.8	4.0	3.2	3.2	4.0	4.0	4.8	4.8
150°	6.4	6.4	5.6	4.0	3.2	2.4	3.2	3.2	4.0	4.8	4.8
152.5°	4.8	4.8	4.0	3.2	2.4	1.6	2.4	3.2	3.2	4.0	4.8
155°	3.2	3.2	2.4	1.6	1.6	1.6	2.4	2.4	2.4	3.2	4.0
157.5°	1.6	1.6	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	3.2
160°	0.8	0.8	0.8	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	4.8	4.8	4.8	4.8	4.8	4.8	5.6	5.6	5.6	6.4	7.2
5°	4.8	4.8	4.8	4.8	5.6	6.4	7.2	8.0	8.8	9.6	9.6
7.5°	5.6	5.6	5.6	6.4	7.2	8.8	20.1	70.6	96.3	105.1	102.7
10°	10.4	10.4	9.6	9.6	11.2	93.9	119.6	130.0	135.6	142.1	142.1
12.5°	83.5	96.3	34.5	19.3	93.1	131.6	141.3	148.5	153.3	159.7	159.7
15°	201.5	204.7	210.3	189.4	183.0	149.3	155.7	211.1	277.7	295.4	297.0
17.5°	226.3	230.3	234.4	277.7	295.4	228.7	263.3	296.2	302.6	309.0	309.0
20°	431.8	438.2	355.5	318.6	311.4	387.7	297.8	305.8	317.0	374.0	379.6
22.5°	489.6	493.6	462.3	482.4	353.1	405.3	391.7	391.7	438.2	441.4	442.2
25°	549.0	571.4	512.1	496.0	502.4	410.1	462.3	417.3	423.8	428.6	429.4
27.5°	801.0	797.8	749.6	567.4	504.0	496.8	448.6	411.7	481.6	500.0	500.8
30°	851.5	843.5	800.2	664.5	523.3	492.0	423.0	475.9	463.1	465.5	466.3
32.5°	1171.0	1158.1	1035.3	672.6	546.6	454.3	459.1	443.0	444.6	494.4	496.0
35°	1251.2	1233.6	1061.0	777.7	520.9	460.7	424.6	444.6	452.7	450.3	450.3
37.5°	1358.8	1325.1	1053.0	731.2	541.7	431.0	406.1	419.8	414.9	445.4	443.8
40°	1476.0	1428.6	1057.0	678.2	491.2	404.5	389.3	401.3	398.1	389.3	382.8
42.5°	1625.2	1543.4	1056.2	634.0	444.6	395.7	367.6	366.8	353.1	338.7	333.9
45°	1777.7	1664.6	1059.4	583.5	409.3	388.5	355.5	336.3	324.2	309.0	305.0
47.5°	1944.7	1793.8	1069.1	543.4	382.0	366.8	340.3	317.0	308.2	288.9	287.3
50°	2142.1	1929.4	1072.3	511.3	349.9	347.5	329.1	303.4	289.7	270.5	268.9
52.5°	2354.8	2073.1	1077.9	463.9	325.0	340.3	335.5	300.2	294.6	269.7	268.1
55°	2556.3	2209.5	1076.3	406.9	313.8	333.9	335.5	321.0	312.2	271.3	268.1
57.5°	2798.6	2357.2	1052.2	353.9	296.2	324.2	351.5	339.5	329.9	296.2	289.7
60°	3015.3	2509.7	980.8	313.0	280.9	313.8	365.2	353.1	325.9	304.2	297.8
62.5°	3269.0	2641.3	881.2	283.3	275.3	317.0	370.0	362.0	328.3	321.0	318.6
65°	3440.7	2691.1	730.4	259.2	274.5	317.0	368.4	370.0	345.9	353.1	352.3
67.5°	3461.6	2626.9	553.8	240.8	264.9	317.0	366.0	386.0	362.0	391.7	393.3
70°	3361.3	2466.4	403.7	222.3	254.4	313.0	366.8	396.5	374.0	420.6	417.3
72°	3130.1	2223.2	326.7	210.3	245.6	306.6	372.4	402.1	384.4	427.8	420.6
72.5°	3069.9	2148.5	312.2	208.7	244.0	305.8	374.0	403.7	385.2	435.0	426.2
75°	2569.1	1711.1	268.1	196.6	246.4	301.8	382.0	402.9	390.1	439.8	441.4
77.5°	1946.3	1153.3	237.6	186.2	245.6	294.6	379.6	396.5	382.8	423.0	431.8
80°	1204.7	671.0	211.1	185.4	244.0	291.3	369.2	379.6	362.8	394.9	397.3
82.5°	658.9	392.5	183.0	182.2	236.8	282.5	349.1	360.4	344.3	379.6	354.7
85°	337.1	266.5	137.2	149.3	207.1	265.7	325.9	325.0	309.0	321.8	304.2
87.5°	260.0	209.5	89.1	107.5	169.3	219.1	268.1	265.7	244.8	246.4	239.2
90°	239.2	187.0	58.6	76.2	141.3	157.3	186.2	179.0	164.5	167.7	165.3
92.5°	240.8	184.6	56.2	81.1	135.6	141.3	171.0	162.1	147.7	149.3	144.5
95°	235.2	177.4	56.2	71.4	112.4	100.3	122.8	119.6	107.5	101.9	99.5
97.5°	112.4	88.3	52.2	53.0	63.4	54.6	74.6	80.3	64.2	51.4	51.4
100°	19.3	29.7	45.7	53.8	45.7	34.5	47.4	54.6	36.9	16.9	18.5
102.5°	19.3	18.5	35.3	45.7	32.9	18.5	27.3	36.1	23.3	12.8	13.6
105°	20.9	19.3	16.9	31.3	19.3	9.6	10.4	18.5	12.8	12.8	12.8
107.5°	22.5	20.9	12.0	12.0	9.6	8.8	8.0	7.2	8.8	12.8	13.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.9	16.9	11.2	9.6	8.8	8.8	6.4	6.4	8.8	13.6	13.6
112.5°	12.0	12.0	9.6	8.0	7.2	8.8	6.4	6.4	8.0	13.6	14.4
115°	12.0	12.0	8.8	7.2	6.4	7.2	6.4	5.6	8.0	13.6	14.4
117.5°	12.0	12.0	8.8	6.4	5.6	5.6	4.8	5.6	8.0	13.6	14.4
120°	12.0	12.0	8.8	6.4	5.6	4.8	4.8	4.8	8.0	13.6	14.4
122.5°	11.2	11.2	8.0	5.6	4.8	4.0	4.0	4.8	7.2	12.8	13.6
125°	10.4	10.4	7.2	5.6	4.8	4.0	4.0	4.0	7.2	12.0	12.8
127.5°	9.6	9.6	7.2	4.8	4.0	4.0	4.0	4.0	6.4	11.2	12.0
130°	8.0	8.0	6.4	4.8	4.0	3.2	4.0	4.0	6.4	10.4	10.4
132.5°	6.4	6.4	4.8	4.0	4.0	3.2	3.2	4.0	5.6	8.8	9.6
135°	4.8	4.8	4.8	4.0	4.0	3.2	3.2	3.2	4.8	7.2	8.0
137.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	3.2	4.8	6.4	6.4
140°	4.0	4.0	4.0	4.0	4.0	3.2	3.2	3.2	4.8	5.6	6.4
142.5°	4.0	4.8	4.0	4.0	4.0	3.2	3.2	4.0	4.8	6.4	6.4
145°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	4.0	4.8	6.4	6.4
147.5°	4.8	4.8	4.8	4.0	3.2	2.4	2.4	3.2	4.8	6.4	6.4
150°	4.8	4.8	4.8	4.0	3.2	1.6	1.6	3.2	4.0	5.6	6.4
152.5°	4.8	4.8	4.0	4.0	2.4	1.6	0.8	2.4	3.2	4.8	4.8
155°	4.0	4.0	4.0	3.2	2.4	0.8	0.0	0.8	2.4	4.0	4.0
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	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

(END OF REPORT)