

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: P417125

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8514 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

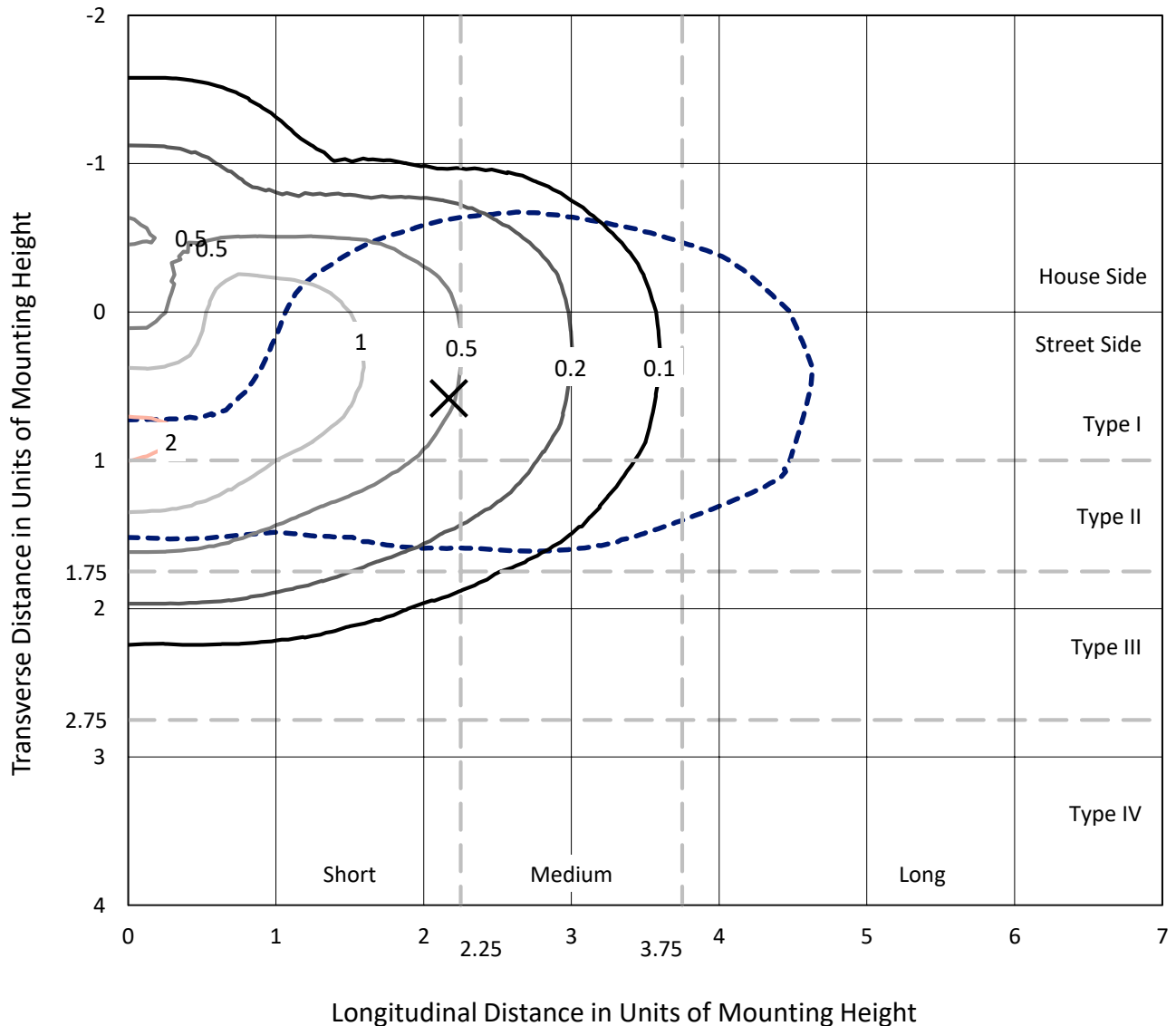
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

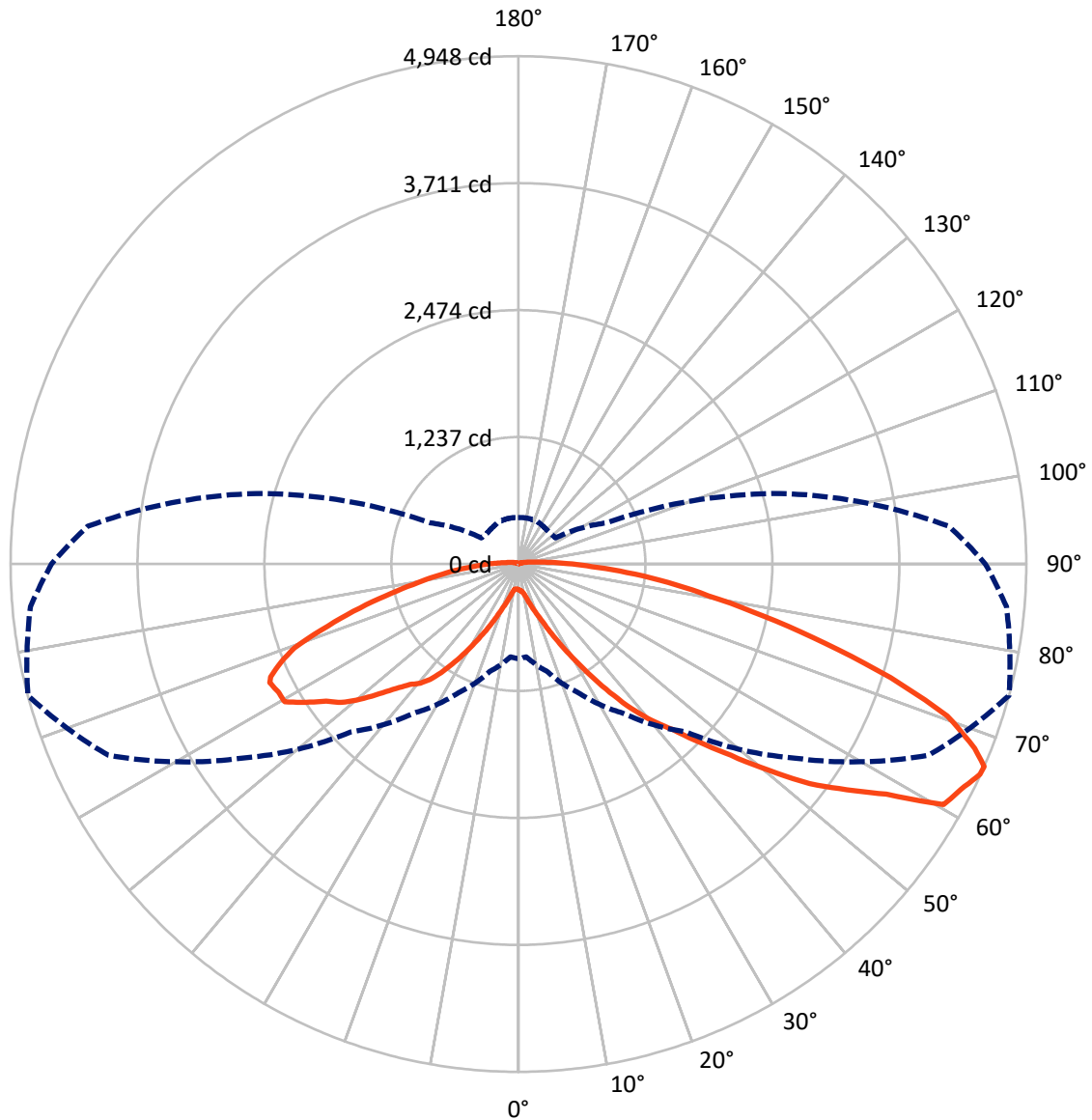
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2418.2	118.1	2536.2
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	5861.0	116.7	5977.8
	% Fixture	68.8	1.4	70.2
Total	Lumens	8279.2	234.8	8514.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	0.3
10°-20°	106.9	1.3
20°-30°	324.5	3.8
30°-40°	802.6	9.4
40°-50°	1449.3	17.0
50°-60°	1958.3	23.0
60°-70°	1965.8	23.1
70°-80°	1187.3	13.9
80°-90°	459.0	5.4
90°-100°	136.3	1.6
100°-110°	49.2	0.6
110°-120°	23.8	0.3
120°-130°	14.1	0.2
130°-140°	8.4	0.1
140°-150°	2.7	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8279.2	97.2
0°-180°	8514.0	100.0



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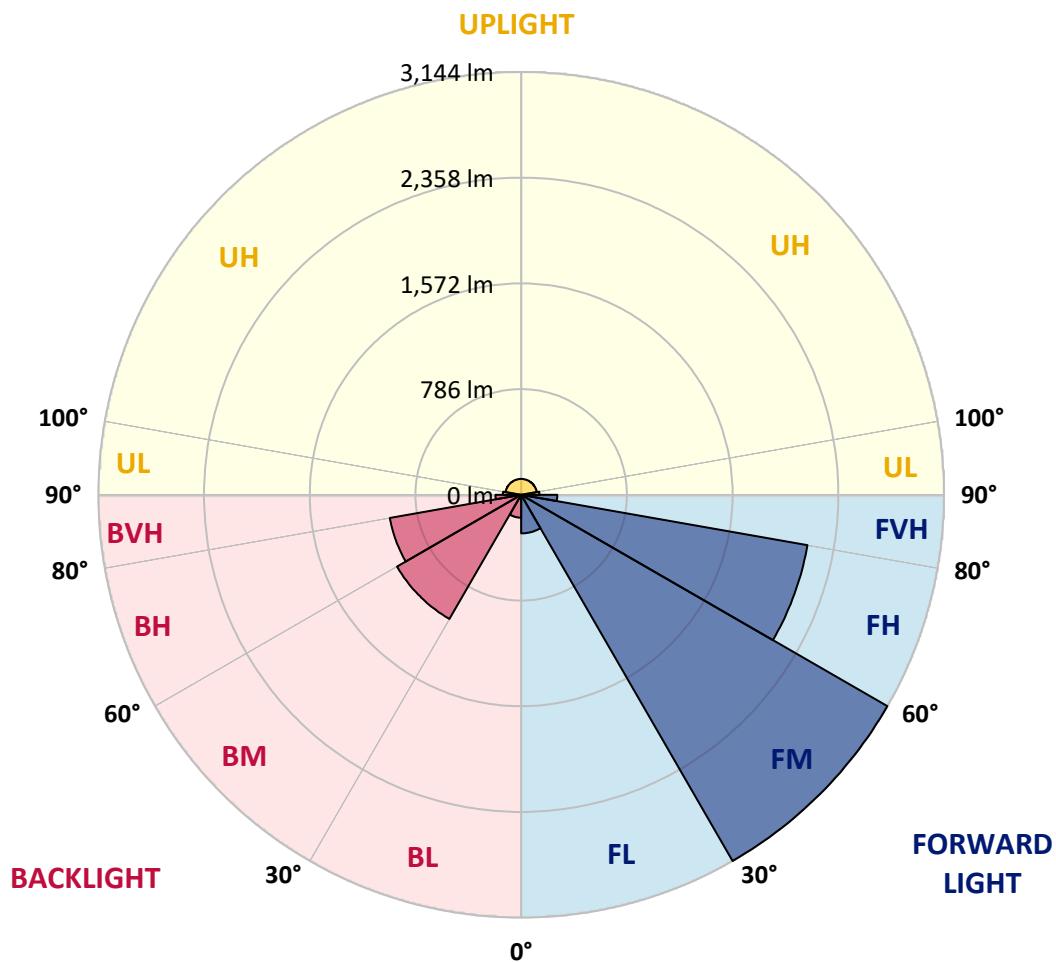
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.8	3.4			
FM (30°-60°)	3144.3	36.9			
FH (60°-80°)	2161.8	25.4			G2/5000
FVH (80°-90°)	268.1	3.1			G3/500
BL (0°-30°)	170.0	2.0	B1/500		
BM (30°-60°)	1065.9	12.5	B2/2500		
BH (60°-80°)	991.4	11.6	B2/1000		G2/1000
BVH (80°-90°)	190.9	2.2			G2/225
UL (90°-100°)	136.3	1.6		U3/500	
UH (100°-180°)	118.1	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	276.9	274.9	273.0	271.0	269.0	267.1	263.1	258.2	254.3	254.3	250.4
5°	302.4	300.4	297.5	293.6	289.6	285.7	277.9	270.0	262.2	262.2	255.3
7.5°	333.8	332.8	328.9	324.0	315.2	306.3	296.5	284.7	273.9	273.0	264.1
10°	374.1	372.1	366.2	359.4	349.5	337.8	324.0	309.3	293.6	292.6	281.8
12.5°	430.1	426.1	416.3	405.5	386.8	375.1	359.4	345.6	333.8	330.9	316.2
15°	502.7	497.8	487.0	468.3	443.8	422.2	413.4	398.6	385.9	381.9	368.2
17.5°	596.0	591.1	572.4	543.0	517.4	495.8	476.2	461.5	450.7	449.7	430.1
20°	723.6	711.8	681.4	640.2	606.8	580.3	552.8	536.1	525.3	521.4	509.6
22.5°	880.7	877.8	834.6	780.6	725.6	677.5	647.0	628.4	620.5	621.5	614.6
25°	1081.0	1072.2	1030.9	952.4	869.9	809.0	766.8	755.0	754.1	747.2	744.2
27.5°	1295.1	1283.3	1229.3	1153.7	1044.7	962.2	915.1	902.3	905.3	897.4	903.3
30°	1557.2	1551.3	1472.8	1362.8	1245.0	1137.0	1087.9	1077.1	1084.0	1093.8	1087.9
32.5°	1881.2	1890.1	1783.0	1634.8	1469.8	1345.1	1291.1	1287.2	1297.0	1295.1	1292.1
35°	2275.9	2291.6	2143.4	1963.7	1736.9	1588.6	1520.9	1516.0	1535.6	1533.7	1535.6
37.5°	2698.1	2705.0	2584.2	2299.5	2035.4	1830.2	1774.2	1768.3	1787.0	1776.2	1765.4
40°	3031.0	3063.4	2922.0	2677.5	2332.9	2123.7	2056.0	2023.6	2006.9	1995.1	1916.6
42.5°	3346.2	3326.5	3226.4	2954.4	2638.2	2410.4	2320.1	2259.2	2205.2	2197.4	2111.0
45°	3552.3	3527.8	3432.6	3181.2	2884.7	2696.2	2612.7	2539.1	2478.2	2450.7	2346.6
47.5°	3564.1	3552.3	3529.8	3341.2	3082.0	2918.1	2890.6	2851.3	2784.5	2785.5	2652.0
50°	3384.4	3365.8	3431.6	3359.9	3180.2	3093.8	3197.9	3241.1	3155.7	3146.8	3008.4
52.5°	3066.3	3056.5	3176.3	3247.0	3183.2	3216.5	3464.0	3621.1	3554.3	3519.0	3340.3
55°	2744.3	2756.1	2860.1	2974.0	3079.1	3251.9	3699.6	4012.8	3881.3	3857.7	3634.8
57.5°	2305.4	2344.7	2499.8	2678.5	2843.4	3202.8	3823.3	4261.2	4227.9	4219.0	4028.5
60°	1824.3	1820.4	2050.1	2310.3	2581.3	3040.8	3830.2	4573.5	4759.0	4716.8	4447.8
62.5°	1416.8	1426.6	1591.6	1917.6	2280.8	2794.4	3735.9	4712.9	4836.6	4788.5	4553.8
65°	1026.0	1041.7	1243.0	1506.2	1916.6	2461.5	3467.9	4523.4	4941.7	4912.2	4779.7
66°	922.0	908.2	1084.9	1383.4	1773.2	2314.2	3299.0	4408.5	4947.6	4930.9	4772.8
67.5°	741.3	759.0	895.4	1155.6	1542.5	2079.6	2993.7	4224.9	4794.4	4771.8	4665.8
70°	548.9	565.5	658.8	867.0	1170.4	1658.3	2475.2	3649.5	4433.1	4449.8	4438.0
72.5°	406.5	424.2	488.0	638.2	866.0	1233.2	1961.7	3076.1	3790.9	3830.2	3802.7
75°	316.2	323.0	376.0	481.1	633.3	868.9	1451.2	2383.9	3086.0	3158.6	3184.1
77.5°	254.3	260.2	303.4	371.1	474.2	634.3	1017.2	1777.2	2442.8	2493.9	2542.0
80°	205.2	209.1	244.5	298.5	363.3	453.6	686.3	1291.1	1874.4	1903.8	1974.5
82.5°	165.0	167.9	193.4	239.6	290.6	344.6	488.0	901.3	1471.8	1499.3	1588.6
85°	129.6	131.6	154.2	190.5	233.7	273.0	352.5	637.2	1060.4	1085.9	1193.9
87.5°	102.1	104.1	121.7	148.3	188.5	216.0	260.2	429.1	715.8	752.1	874.8
90°	80.5	81.5	94.3	114.9	146.3	175.8	204.2	299.5	477.2	497.8	566.5
92.5°	60.9	61.9	71.7	87.4	113.9	139.4	156.1	207.2	305.4	314.2	363.3
95°	45.2	46.1	54.0	63.8	85.4	109.0	120.8	145.3	192.4	204.2	217.0
97.5°	35.3	36.3	41.2	47.1	62.8	85.4	96.2	107.0	131.6	135.5	145.3
100°	30.4	30.4	33.4	37.3	47.1	66.8	75.6	84.4	99.2	99.2	105.1
102.5°	25.5	25.5	27.5	29.5	38.3	53.0	60.9	66.8	74.6	75.6	80.5
105°	22.6	22.6	23.6	25.5	32.4	43.2	50.1	53.0	57.9	57.9	59.9
107.5°	19.6	19.6	20.6	21.6	28.5	36.3	40.3	41.2	43.2	43.2	46.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	18.7	18.7	18.7	19.6	24.5	31.4	33.4	32.4	33.4	33.4	36.3
112.5°	17.7	16.7	16.7	17.7	22.6	27.5	27.5	26.5	26.5	26.5	29.5
115°	16.7	16.7	15.7	16.7	20.6	23.6	23.6	21.6	21.6	21.6	24.5
117.5°	16.7	16.7	15.7	15.7	18.7	21.6	20.6	18.7	17.7	18.7	21.6
120°	16.7	16.7	14.7	14.7	17.7	18.7	18.7	15.7	15.7	15.7	18.7
122.5°	16.7	16.7	14.7	14.7	16.7	17.7	16.7	13.7	13.7	13.7	16.7
125°	17.7	16.7	14.7	14.7	15.7	15.7	14.7	12.8	11.8	11.8	14.7
127.5°	17.7	17.7	15.7	14.7	14.7	14.7	13.7	11.8	10.8	10.8	13.7
130°	19.6	18.7	16.7	14.7	13.7	12.8	11.8	10.8	10.8	10.8	12.8
132.5°	19.6	19.6	16.7	13.7	12.8	11.8	10.8	8.8	9.8	9.8	11.8
135°	18.7	17.7	14.7	12.8	11.8	9.8	8.8	7.9	8.8	8.8	10.8
137.5°	16.7	15.7	13.7	10.8	9.8	7.9	6.9	5.9	6.9	6.9	8.8
140°	13.7	13.7	10.8	8.8	7.9	6.9	5.9	3.9	4.9	5.9	6.9
142.5°	11.8	10.8	8.8	6.9	5.9	4.9	3.9	2.9	3.9	3.9	4.9
145°	9.8	8.8	6.9	4.9	3.9	2.9	2.0	2.0	2.0	2.0	2.9
147.5°	7.9	6.9	4.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	2.0
150°	5.9	5.9	3.9	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
152.5°	4.9	4.9	2.9	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	2.9	2.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4
2.5°	249.4	247.4	245.5	243.5	241.5	240.6	237.6	235.6	235.6	235.6	234.7
5°	252.3	248.4	243.5	239.6	234.7	230.7	227.8	224.8	222.9	222.9	222.9
7.5°	259.2	255.3	246.4	238.6	231.7	225.8	221.9	219.0	218.0	217.0	217.0
10°	274.9	268.0	256.3	244.5	234.7	226.8	222.9	220.9	219.9	219.9	219.9
12.5°	310.3	300.4	282.8	263.1	246.4	234.7	230.7	230.7	236.6	239.6	239.6
15°	357.4	348.6	327.9	300.4	273.9	254.3	251.4	258.2	266.1	270.0	269.0
17.5°	422.2	410.4	382.9	346.6	311.2	291.6	282.8	289.6	299.5	304.4	304.4
20°	498.8	487.0	449.7	400.6	357.4	335.8	322.0	322.0	334.8	338.7	340.7
22.5°	603.8	586.2	533.1	465.4	409.4	376.0	359.4	356.4	371.1	378.0	376.0
25°	721.7	707.9	646.1	544.9	472.3	418.3	395.7	395.7	414.3	430.1	431.0
27.5°	886.6	852.2	765.8	642.1	533.1	457.5	433.0	437.9	457.5	473.3	473.3
30°	1059.4	1034.9	908.2	745.2	592.1	493.9	458.5	466.4	484.1	501.7	501.7
32.5°	1268.6	1227.3	1071.2	847.3	646.1	517.4	472.3	483.1	503.7	521.4	521.4
35°	1472.8	1439.4	1235.2	954.4	693.2	527.3	478.2	490.9	514.5	536.1	538.1
37.5°	1710.4	1637.7	1395.2	1050.6	727.6	529.2	476.2	498.8	530.2	554.7	555.7
40°	1852.8	1765.4	1503.2	1122.3	743.3	522.3	476.2	504.7	531.2	540.0	539.0
42.5°	2021.6	1911.7	1578.8	1131.1	723.6	508.6	475.2	497.8	509.6	509.6	508.6
45°	2248.4	2124.7	1698.6	1136.0	683.4	491.9	467.4	482.1	479.1	470.3	467.4
47.5°	2526.3	2376.1	1850.8	1153.7	644.1	475.2	458.5	462.5	448.7	429.1	428.1
50°	2858.2	2681.4	2029.5	1172.3	609.7	461.5	450.7	446.7	433.0	416.3	414.3
52.5°	3169.4	2956.4	2191.5	1185.1	581.3	452.6	444.8	443.8	430.1	408.5	406.5
55°	3451.2	3195.9	2300.5	1160.5	555.7	448.7	444.8	445.8	428.1	406.5	403.5
57.5°	3858.7	3578.8	2473.3	1124.2	525.3	447.7	447.7	448.7	427.1	406.5	403.5
60°	4213.1	3901.9	2643.1	1121.3	495.8	446.7	448.7	447.7	432.0	419.3	416.3
62.5°	4334.9	4038.4	2651.0	1050.6	477.2	441.8	444.8	449.7	446.7	440.9	437.9
65°	4564.6	4240.6	2684.4	971.1	450.7	433.0	439.9	452.6	454.6	450.7	447.7
66°	4547.9	4212.1	2652.0	946.5	441.8	428.1	436.9	450.7	454.6	453.6	451.7
67.5°	4465.5	4138.5	2545.0	876.8	429.1	419.3	432.0	445.8	454.6	457.5	455.6
70°	4242.6	3916.6	2331.9	771.7	404.5	398.6	416.3	434.0	448.7	453.6	452.6
72.5°	3615.2	3304.9	1950.9	658.8	370.2	369.2	389.8	411.4	429.1	434.0	432.0
75°	3034.9	2729.5	1602.4	543.0	334.8	335.8	355.4	376.0	389.8	389.8	390.8
77.5°	2433.0	2174.8	1269.5	450.7	298.5	298.5	312.2	328.9	337.8	333.8	327.9
80°	1871.4	1700.6	991.7	377.0	262.2	260.2	267.1	279.8	286.7	277.9	271.0
82.5°	1511.1	1363.8	784.5	314.2	226.8	224.8	227.8	236.6	240.6	230.7	227.8
85°	1146.8	1014.3	590.1	258.2	196.4	191.5	196.4	198.3	203.2	194.4	188.5
87.5°	811.0	718.7	428.1	215.0	167.9	165.0	164.0	165.9	168.9	163.0	160.0
90°	544.9	478.2	309.3	179.7	143.4	138.4	136.5	136.5	138.4	128.6	125.7
92.5°	349.5	309.3	215.0	143.4	119.8	113.9	110.0	110.9	110.0	100.1	98.2
95°	218.0	197.4	155.1	112.9	96.2	91.3	87.4	86.4	85.4	78.5	76.6
97.5°	142.4	135.5	115.9	89.3	76.6	72.7	70.7	69.7	69.7	64.8	61.9
100°	106.0	103.1	91.3	74.6	62.8	59.9	57.9	57.9	59.9	56.0	54.0
102.5°	82.5	83.5	74.6	62.8	53.0	51.1	49.1	49.1	51.1	49.1	48.1
105°	62.8	62.8	60.9	52.0	45.2	44.2	42.2	42.2	44.2	44.2	44.2
107.5°	49.1	51.1	49.1	43.2	39.3	38.3	36.3	36.3	38.3	39.3	40.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	39.3	41.2	40.3	37.3	34.4	33.4	31.4	30.4	32.4	35.3	35.3
112.5°	31.4	33.4	33.4	31.4	29.5	29.5	27.5	26.5	28.5	31.4	31.4
115°	26.5	28.5	28.5	27.5	26.5	25.5	23.6	22.6	24.5	27.5	28.5
117.5°	22.6	24.5	24.5	24.5	23.6	22.6	20.6	19.6	20.6	23.6	24.5
120°	20.6	21.6	21.6	21.6	20.6	20.6	18.7	17.7	18.7	21.6	21.6
122.5°	17.7	18.7	19.6	19.6	18.7	18.7	16.7	14.7	15.7	18.7	19.6
125°	15.7	16.7	17.7	17.7	16.7	16.7	14.7	13.7	14.7	16.7	17.7
127.5°	14.7	15.7	15.7	15.7	15.7	14.7	12.8	11.8	12.8	15.7	15.7
130°	13.7	14.7	14.7	14.7	13.7	12.8	11.8	10.8	11.8	14.7	14.7
132.5°	12.8	13.7	13.7	12.8	12.8	11.8	9.8	8.8	10.8	12.8	12.8
135°	10.8	11.8	11.8	11.8	10.8	9.8	8.8	7.9	9.8	10.8	10.8
137.5°	8.8	9.8	9.8	9.8	8.8	7.9	6.9	6.9	7.9	9.8	9.8
140°	6.9	7.9	7.9	7.9	6.9	6.9	5.9	4.9	6.9	7.9	7.9
142.5°	4.9	5.9	5.9	5.9	4.9	4.9	3.9	3.9	5.9	6.9	6.9
145°	2.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9	4.9	4.9
147.5°	2.0	2.9	2.9	2.9	2.9	2.0	1.0	2.0	2.9	3.9	3.9
150°	1.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	2.0	2.9	2.9
152.5°	1.0	1.0	2.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0
155°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0
157.5°	0.0	0.0	0.0	1.0	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)