

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: P414886

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2837 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G2

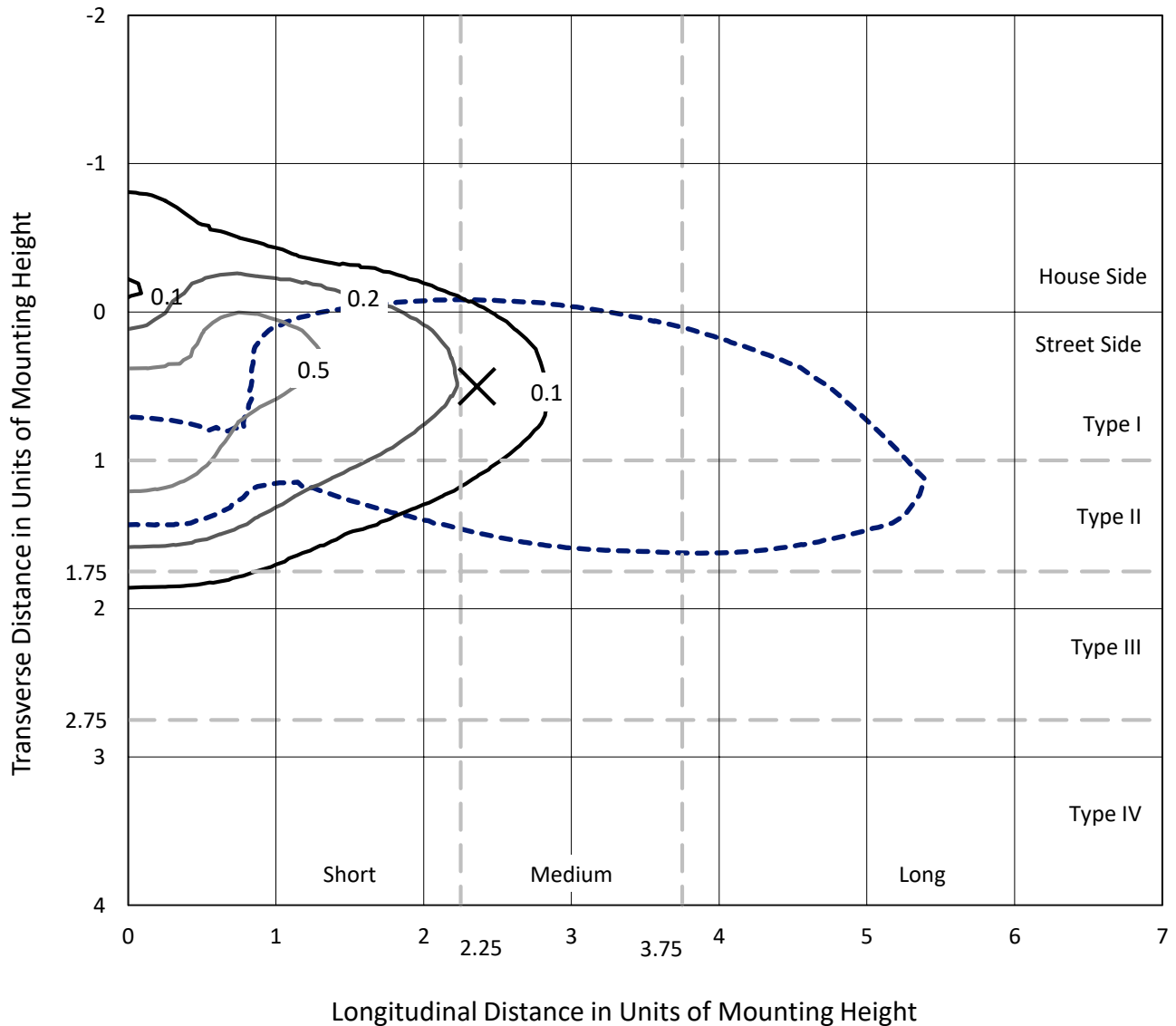
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

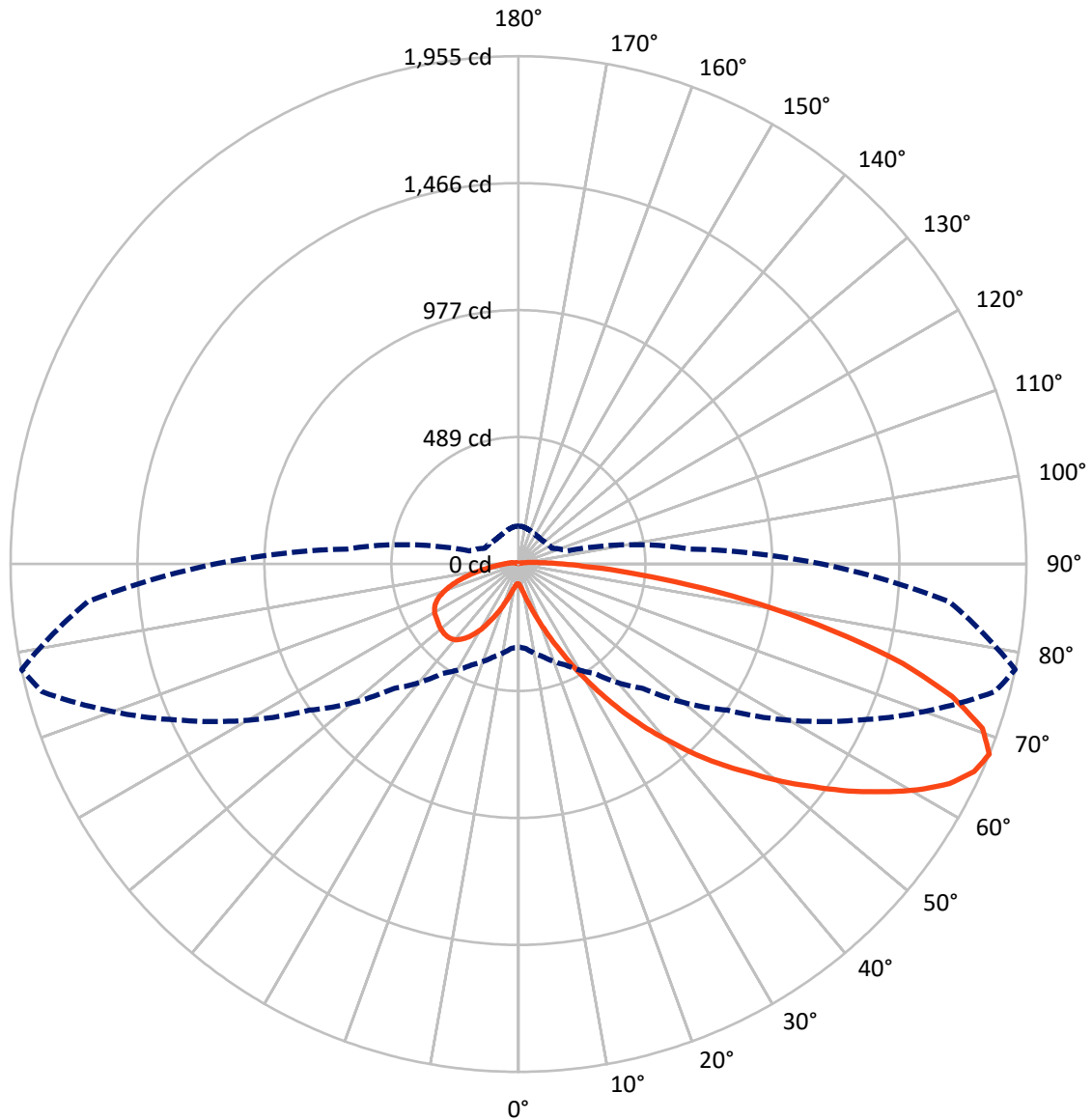


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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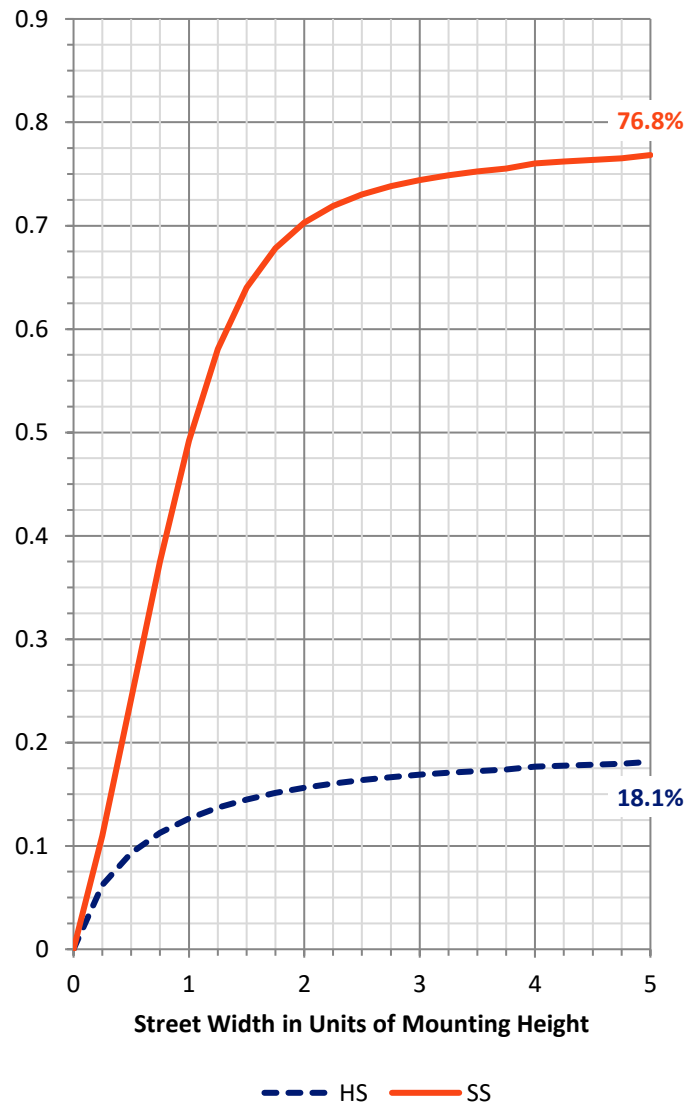
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.1	43.8	582.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2209.8	44.4	2254.2
	% Fixture	77.9	1.6	79.5
Total	Lumens	2748.9	88.1	2837.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.3
10°-20°	44.1	1.6
20°-30°	134.3	4.7
30°-40°	300.5	10.6
40°-50°	495.1	17.5
50°-60°	609.3	21.5
60°-70°	591.0	20.8
70°-80°	409.3	14.4
80°-90°	156.7	5.5
90°-100°	45.0	1.6
100°-110°	19.5	0.7
110°-120°	10.5	0.4
120°-130°	6.5	0.2
130°-140°	4.0	0.1
140°-150°	2.0	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2748.9	96.9
0°-180°	2837.0	100.0

Coefficient of Utilization



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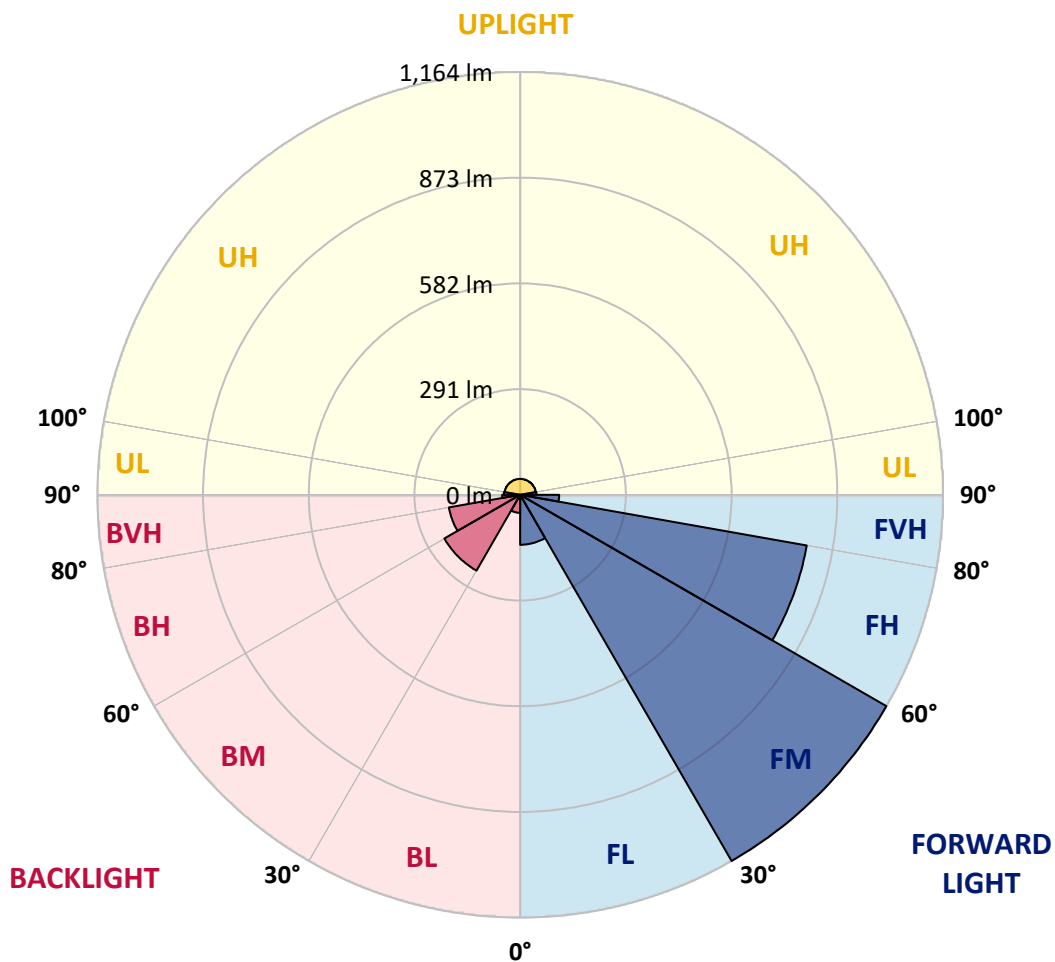
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.5	4.8			
FM	(30°-60°)	1164.0	41.0			
FH	(60°-80°)	801.0	28.2			G1/1800
FVH	(80°-90°)	107.2	3.8			G2/225
BL	(0°-30°)	49.6	1.7	B0/110		
BM	(30°-60°)	240.8	8.5	B1/1000		
BH	(60°-80°)	199.2	7.0	B1/500		G1/500
BVH	(80°-90°)	49.4	1.7			G1/100
UL	(90°-100°)	45.0	1.6		U2/50	
UH	(100°-180°)	43.8	1.5		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.5°	92.1	91.4	91.4	91.1	89.7	88.4	86.4	84.0	82.0	80.6	79.3
5°	111.9	109.5	110.2	108.2	105.8	103.2	99.5	94.4	89.7	88.7	85.0
7.5°	135.7	132.7	133.7	131.4	127.0	121.3	116.3	108.9	101.8	99.5	94.1
10°	166.0	163.0	161.3	157.9	152.9	145.5	137.8	128.0	118.3	114.9	108.2
12.5°	201.9	199.6	197.2	192.5	184.5	175.1	165.3	154.6	141.8	137.4	127.0
15°	246.6	244.6	239.6	233.2	221.4	211.0	196.2	186.5	170.7	165.3	152.5
17.5°	296.7	292.7	287.6	278.2	264.8	251.7	239.2	222.8	205.6	201.3	185.5
20°	358.5	357.2	347.4	331.6	316.9	299.0	286.9	270.8	251.7	245.6	224.8
22.5°	431.8	429.1	417.7	393.8	371.6	348.8	339.0	322.2	308.5	300.1	272.8
25°	519.8	514.8	495.9	467.4	435.8	408.6	392.5	386.4	375.7	362.9	329.6
27.5°	613.5	613.9	588.0	545.7	501.7	469.1	456.6	459.0	445.9	438.8	398.2
30°	729.5	721.1	687.1	635.0	575.6	533.6	526.2	537.9	534.2	520.5	472.4
32.5°	845.4	842.4	800.4	729.1	651.2	605.1	599.8	625.3	624.3	610.5	549.4
35°	961.0	957.6	905.5	822.5	730.1	677.4	672.7	706.3	718.4	704.6	636.1
37.5°	1077.2	1069.5	1017.1	916.3	805.1	743.6	745.6	787.9	816.2	803.7	719.7
40°	1179.7	1178.4	1117.2	1002.6	877.3	810.8	824.2	880.0	914.6	897.5	804.7
42.5°	1258.3	1252.6	1198.5	1074.2	942.2	873.6	896.8	970.7	1015.1	1003.3	888.4
45°	1294.6	1291.3	1247.9	1128.3	992.6	928.0	964.7	1054.7	1115.2	1102.4	974.4
47.5°	1284.9	1281.9	1258.3	1154.8	1025.8	974.7	1024.5	1136.4	1220.4	1203.2	1060.1
50°	1226.4	1229.4	1222.0	1147.1	1037.6	1004.6	1081.3	1218.0	1323.2	1315.1	1142.7
52.5°	1119.6	1128.3	1140.1	1106.8	1026.8	1018.1	1122.2	1288.9	1425.3	1425.0	1234.5
55°	980.8	986.8	1027.8	1021.8	985.8	1017.8	1152.5	1358.8	1540.2	1541.9	1329.2
57.5°	833.6	830.6	885.0	916.6	926.0	991.9	1167.3	1420.6	1641.7	1653.5	1429.4
60°	672.7	683.8	734.8	799.4	834.6	940.8	1162.2	1464.3	1739.5	1765.4	1520.4
62.5°	546.7	541.6	597.7	668.0	739.5	867.6	1125.6	1484.8	1832.6	1861.5	1604.4
65°	412.9	423.4	474.1	536.3	621.3	775.2	1066.5	1474.0	1890.0	1927.0	1657.2
67.5°	318.5	326.6	369.9	428.4	515.1	677.0	981.1	1424.0	1898.8	1954.9	1664.6
70°	246.3	252.7	283.3	333.0	415.6	568.9	861.2	1328.6	1851.0	1894.7	1596.7
72.5°	196.2	198.9	220.4	260.7	328.3	464.0	730.8	1178.7	1706.9	1745.9	1457.6
75°	154.2	158.3	175.7	206.0	256.4	370.9	597.4	995.9	1487.5	1527.8	1265.7
77.5°	122.6	126.7	139.8	160.9	198.9	285.9	466.7	811.4	1214.3	1239.2	1008.3
80°	97.4	99.5	110.5	126.3	154.6	220.4	351.5	615.9	919.6	945.5	749.3
82.5°	73.9	75.6	86.7	100.5	120.6	167.0	254.0	433.1	647.8	654.9	508.7
85°	53.1	56.1	65.2	76.6	92.4	124.3	182.1	294.0	413.3	424.0	322.2
87.5°	37.6	39.0	48.0	58.8	70.6	92.1	126.7	193.5	254.4	251.3	195.6
90°	25.5	26.5	34.6	43.3	53.8	68.9	88.4	121.6	156.2	151.2	122.6
92.5°	17.1	18.8	25.5	32.9	42.0	53.1	62.8	79.6	96.8	92.1	78.0
95°	12.8	13.4	19.5	26.2	33.6	40.7	46.7	54.4	61.8	60.5	53.8
97.5°	10.1	10.8	15.8	21.5	27.2	32.9	36.3	39.0	43.0	42.7	38.6
100°	8.7	9.1	13.4	18.5	23.5	27.6	29.6	30.2	31.6	30.9	29.6
102.5°	7.4	8.1	11.8	16.1	20.5	23.5	24.9	24.2	23.9	23.2	21.8
105°	6.7	7.1	10.4	14.4	18.1	20.5	20.8	19.8	18.1	17.8	17.1
107.5°	6.4	6.7	9.4	13.1	16.1	18.1	17.8	16.5	14.4	13.8	13.4
110°	6.0	6.4	8.7	11.8	14.8	16.1	15.8	13.8	11.4	10.8	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	6.0	6.0	8.1	10.8	13.4	14.4	13.8	11.8	9.4	9.1	9.4
115°	5.7	6.0	7.7	10.1	12.1	13.1	12.1	10.1	8.1	7.7	8.1
117.5°	5.7	6.0	7.4	9.4	11.4	11.8	10.8	8.7	6.7	6.7	7.4
120°	5.7	6.0	7.1	8.7	10.4	10.8	9.7	7.7	6.0	6.0	6.7
122.5°	6.0	6.0	6.7	8.4	9.7	10.1	8.7	6.7	5.7	5.7	6.4
125°	6.0	6.0	6.7	7.7	9.1	9.1	8.1	6.0	5.0	5.0	6.0
127.5°	6.0	6.0	6.7	7.4	8.4	8.4	7.4	5.7	4.7	4.7	5.7
130°	6.0	6.4	6.4	7.1	7.7	7.7	6.7	5.0	4.7	4.7	5.4
132.5°	6.4	6.4	6.4	6.7	7.4	7.1	5.7	4.7	4.4	4.4	5.0
135°	6.0	6.0	6.0	6.4	6.7	6.4	5.0	4.0	4.0	4.4	4.7
137.5°	6.0	6.0	6.0	5.7	6.0	5.7	4.7	3.7	3.7	4.0	4.4
140°	5.4	5.7	5.4	5.4	5.4	5.0	4.0	3.0	3.4	3.7	3.7
142.5°	5.0	5.0	5.0	4.7	4.7	4.4	3.4	2.7	3.0	3.0	3.4
145°	4.7	4.7	4.4	4.0	4.0	3.4	2.7	2.4	2.7	2.7	3.0
147.5°	4.0	4.0	4.0	3.4	3.0	2.7	1.7	1.7	2.0	2.4	2.4
150°	3.4	3.4	3.4	3.0	2.4	2.0	1.3	1.7	1.7	1.7	2.0
152.5°	2.7	2.7	2.7	2.4	2.0	1.3	1.0	1.3	1.3	1.3	1.7
155°	1.7	1.7	1.7	1.7	1.3	0.7	1.0	1.0	1.3	1.3	1.3
157.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.0
160°	0.3	0.3	0.7	0.7	1.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2.5°	78.3	77.3	75.6	73.9	72.2	70.6	69.2	68.9	67.9	67.9	67.5
5°	83.0	81.3	76.9	73.6	69.9	66.9	64.5	63.5	62.5	61.8	61.8
7.5°	91.4	87.7	81.3	75.6	70.6	66.2	63.2	61.5	60.1	59.5	59.5
10°	102.8	98.1	88.4	80.0	72.6	67.2	63.8	61.8	60.8	60.1	59.8
12.5°	119.6	112.9	98.8	86.7	77.3	70.6	66.2	64.8	65.2	65.2	65.2
15°	142.5	132.7	113.6	97.1	83.7	74.9	71.9	71.9	72.9	73.2	72.6
17.5°	172.0	158.9	132.0	107.5	91.7	82.7	79.3	79.3	81.0	82.0	82.0
20°	208.3	189.5	151.5	121.3	101.1	91.4	87.4	87.7	89.7	91.1	91.1
22.5°	250.0	227.8	176.4	135.4	111.6	99.1	94.8	95.1	98.4	100.1	100.8
25°	304.1	269.8	201.3	149.9	121.3	106.5	102.1	102.5	106.8	109.2	109.2
27.5°	361.2	316.5	226.5	164.0	129.7	113.2	108.9	109.9	114.6	116.6	117.3
30°	422.0	366.2	251.7	176.1	136.4	118.3	113.9	115.9	120.3	123.3	123.6
32.5°	489.6	415.0	271.8	185.8	142.1	122.6	118.3	121.3	125.0	128.4	128.7
35°	560.1	463.3	289.6	192.5	145.8	126.3	121.6	124.7	128.4	131.4	131.0
37.5°	623.3	503.0	301.4	195.2	147.8	128.4	124.0	127.0	130.4	132.7	132.7
40°	685.4	544.3	307.1	193.2	147.8	129.4	125.0	128.4	131.4	132.7	132.7
42.5°	744.6	574.9	306.1	189.2	147.2	129.7	125.7	128.7	131.4	132.0	132.0
45°	795.7	603.1	300.1	182.4	144.8	129.4	126.0	128.7	130.7	130.7	131.0
47.5°	856.1	625.3	291.3	175.4	142.1	128.7	125.3	128.4	130.0	130.0	129.7
50°	910.6	646.8	279.6	167.7	139.8	128.0	125.0	128.0	130.0	129.4	129.4
52.5°	968.4	666.0	267.5	160.6	137.4	127.7	125.0	128.0	130.0	129.7	130.0
55°	1021.8	685.1	252.3	154.2	136.1	127.3	125.3	128.4	131.0	131.0	130.7
57.5°	1090.3	695.2	240.6	149.9	134.7	127.3	125.7	129.0	132.4	132.7	133.1
60°	1138.7	708.3	230.8	147.2	134.7	128.0	126.7	130.0	134.4	136.1	137.1
62.5°	1174.0	707.6	219.1	145.8	135.1	128.7	127.7	131.0	136.8	139.1	140.4
65°	1192.5	695.5	207.0	144.8	135.4	129.4	128.4	131.7	138.4	142.8	144.1
67.5°	1168.3	662.9	194.5	143.1	135.1	129.0	128.7	132.4	139.4	145.2	145.8
70°	1109.5	607.8	179.8	139.4	133.7	128.0	127.7	130.7	138.4	145.2	145.8
72.5°	997.9	537.9	162.6	134.1	130.7	125.7	124.7	127.7	135.1	141.8	141.8
75°	848.7	457.0	145.8	126.3	124.7	121.6	120.6	122.3	128.7	135.1	135.4
77.5°	664.6	363.9	128.0	115.6	117.3	114.9	113.9	114.9	120.6	125.0	125.3
80°	505.7	277.2	110.9	102.8	106.8	106.2	105.2	104.8	108.9	112.2	111.2
82.5°	348.8	197.2	91.7	89.4	93.7	94.8	94.4	92.1	95.1	97.8	96.1
85°	225.1	139.4	76.6	75.6	79.6	81.3	81.0	79.3	80.0	83.0	79.6
87.5°	145.5	100.1	63.2	62.5	65.9	67.9	67.9	64.5	65.9	68.9	65.2
90°	91.1	70.9	52.8	52.4	54.8	55.8	54.4	52.4	53.1	54.8	53.4
92.5°	64.5	53.4	44.0	44.0	44.7	45.4	44.7	42.3	43.7	43.7	43.7
95°	47.0	42.3	38.3	37.6	37.3	37.0	36.6	34.9	36.3	36.0	34.9
97.5°	36.0	33.9	32.6	32.3	31.6	31.2	30.9	29.6	30.6	29.9	29.2
100°	28.2	27.9	27.9	27.9	27.2	26.2	26.2	25.9	25.9	24.9	24.9
102.5°	22.5	22.5	23.9	24.2	23.5	22.8	22.8	22.5	22.2	20.8	20.5
105°	17.8	18.5	20.5	20.8	20.5	19.8	19.5	19.5	18.8	17.1	17.1
107.5°	14.4	15.1	17.5	18.1	17.8	17.5	17.1	16.8	16.1	14.4	14.4
110°	11.8	12.8	14.8	15.8	15.5	15.1	15.1	14.4	13.8	12.4	12.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	11.1	12.8	13.8	13.8	13.4	13.1	12.8	11.8	10.8	10.8
115°	8.7	9.7	11.4	12.1	12.1	11.8	11.4	11.1	10.1	9.4	9.7
117.5°	8.1	8.7	10.1	10.8	10.8	10.4	10.1	9.7	9.1	8.7	8.7
120°	7.4	8.1	9.1	9.7	9.7	9.4	9.1	8.7	8.1	8.1	8.1
122.5°	6.7	7.4	8.4	8.7	8.7	8.4	8.1	7.7	7.1	7.4	7.4
125°	6.4	6.7	7.4	8.1	8.1	7.7	7.4	6.7	6.4	6.7	6.7
127.5°	6.0	6.4	7.1	7.4	7.4	7.1	6.4	6.0	5.7	6.0	6.0
130°	5.7	6.0	6.4	6.7	6.7	6.0	5.7	5.4	5.4	5.7	5.7
132.5°	5.4	5.7	5.7	6.0	6.0	5.7	5.0	4.7	4.7	5.0	5.0
135°	5.0	5.0	5.4	5.4	5.4	5.0	4.4	4.0	4.4	4.7	4.7
137.5°	4.4	4.7	4.7	5.0	4.7	4.4	3.7	3.7	4.0	4.0	4.0
140°	4.0	4.0	4.4	4.4	4.0	3.7	3.4	3.0	3.4	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.0	2.7	2.7	3.0	3.0	3.0
145°	3.0	3.0	3.4	3.0	3.0	2.4	2.0	2.4	2.7	2.7	2.7
147.5°	2.4	2.7	2.7	2.7	2.4	1.7	1.3	2.0	2.4	2.4	2.4
150°	2.0	2.0	2.0	2.0	2.0	1.3	1.0	1.7	2.0	2.0	2.0
152.5°	1.7	1.7	2.0	2.0	1.7	1.0	0.7	1.3	1.7	1.7	1.3
155°	1.3	1.3	1.7	1.7	1.3	0.7	0.7	1.0	1.3	1.3	1.0
157.5°	1.0	1.3	1.3	1.3	1.0	0.7	0.3	0.7	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.3	1.0	0.7	0.3	0.7	1.0	0.7	0.7
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

(END OF REPORT)