

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: P415831

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5894 lumens
Efficiency: N/A
Efficacy: 92.1 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 - G2

Input Watts (W): 64
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

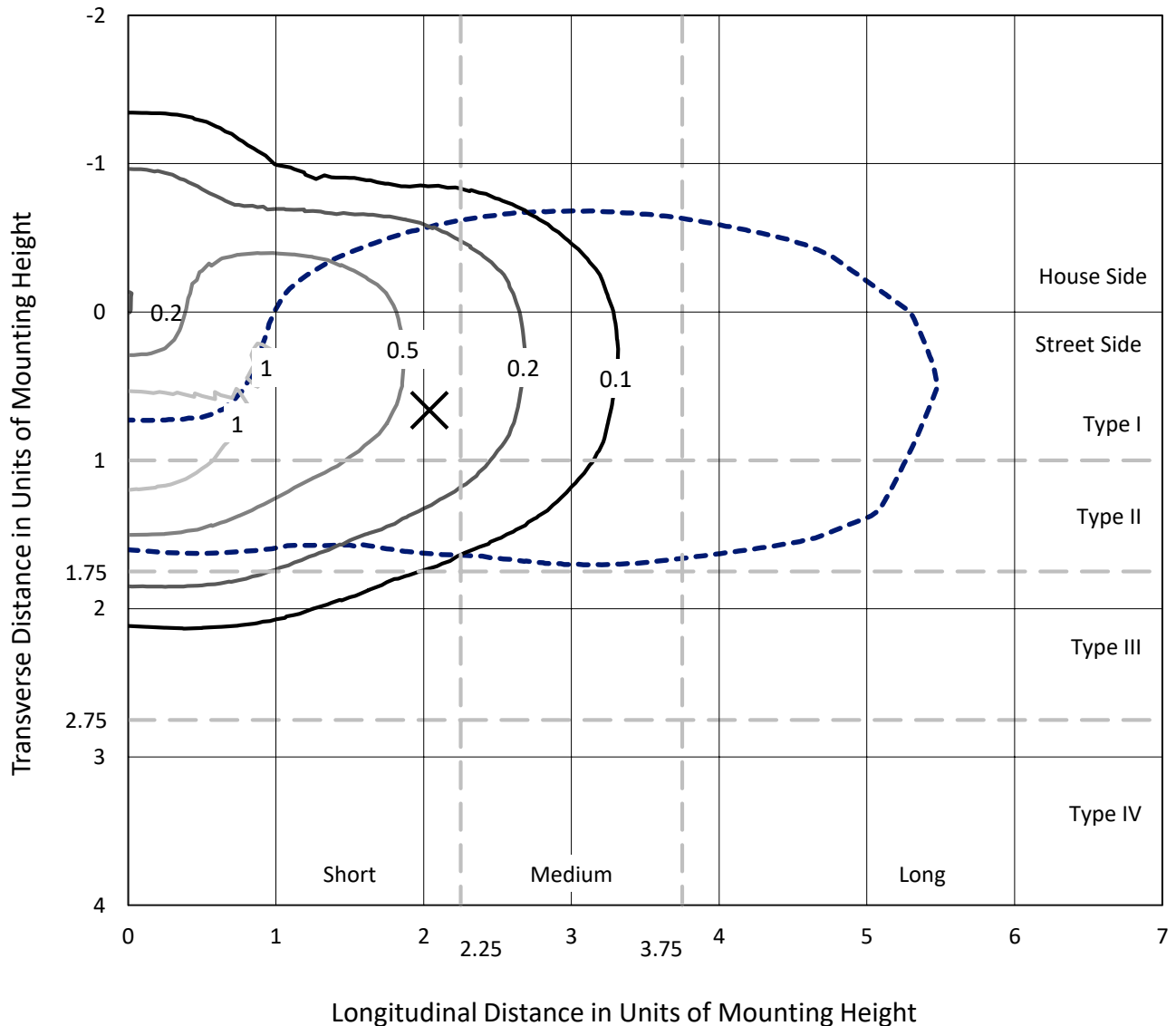


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

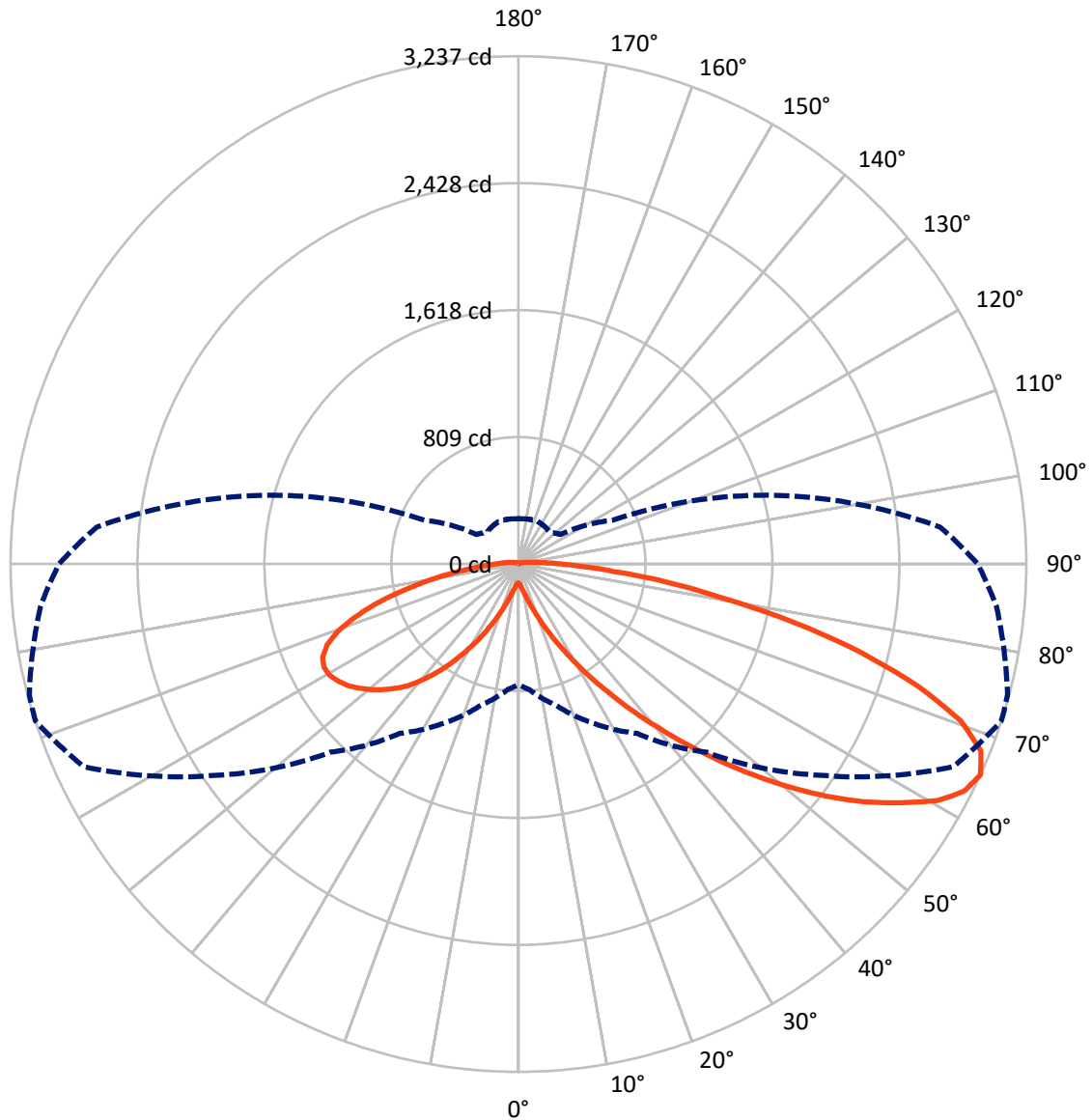


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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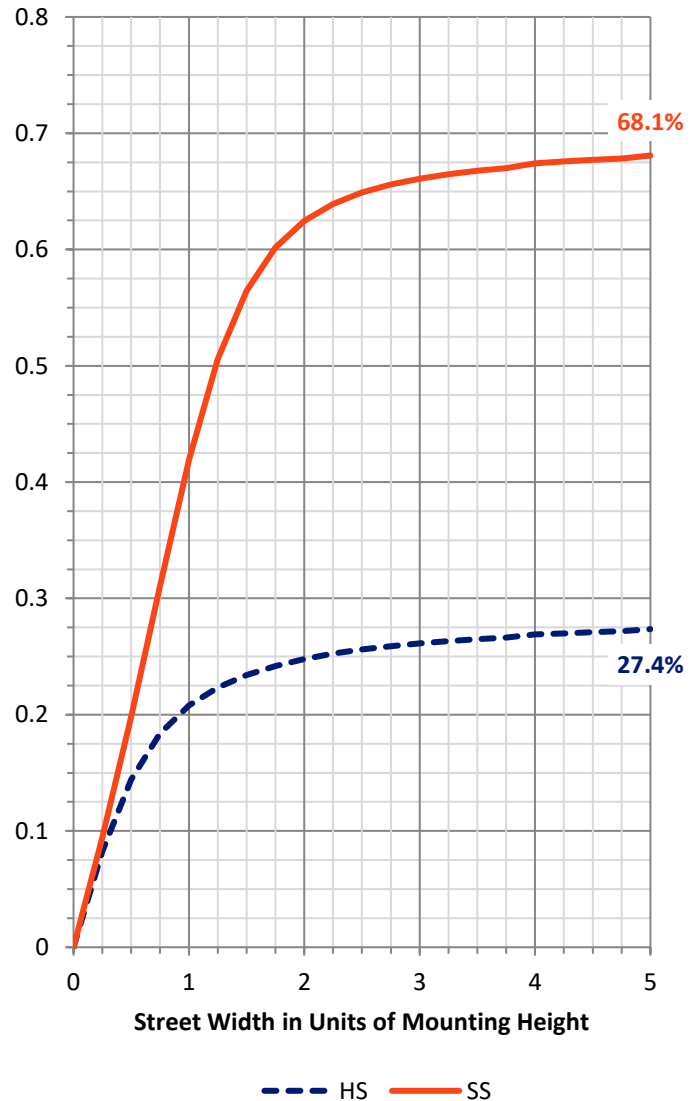
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1661.8	83.6	1745.4
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4067.1	81.5	4148.6
	% Fixture	69.0	1.4	70.4
Total	Lumens	5728.8	165.2	5894.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	71.3	1.2
20°-30°	225.8	3.8
30°-40°	541.2	9.2
40°-50°	999.2	17.0
50°-60°	1361.6	23.1
60°-70°	1327.5	22.5
70°-80°	867.0	14.7
80°-90°	321.2	5.4
90°-100°	89.3	1.5
100°-110°	37.4	0.6
110°-120°	18.8	0.3
120°-130°	10.7	0.2
130°-140°	6.0	0.1
140°-150°	2.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5728.8	97.2
0°-180°	5894.0	100.0



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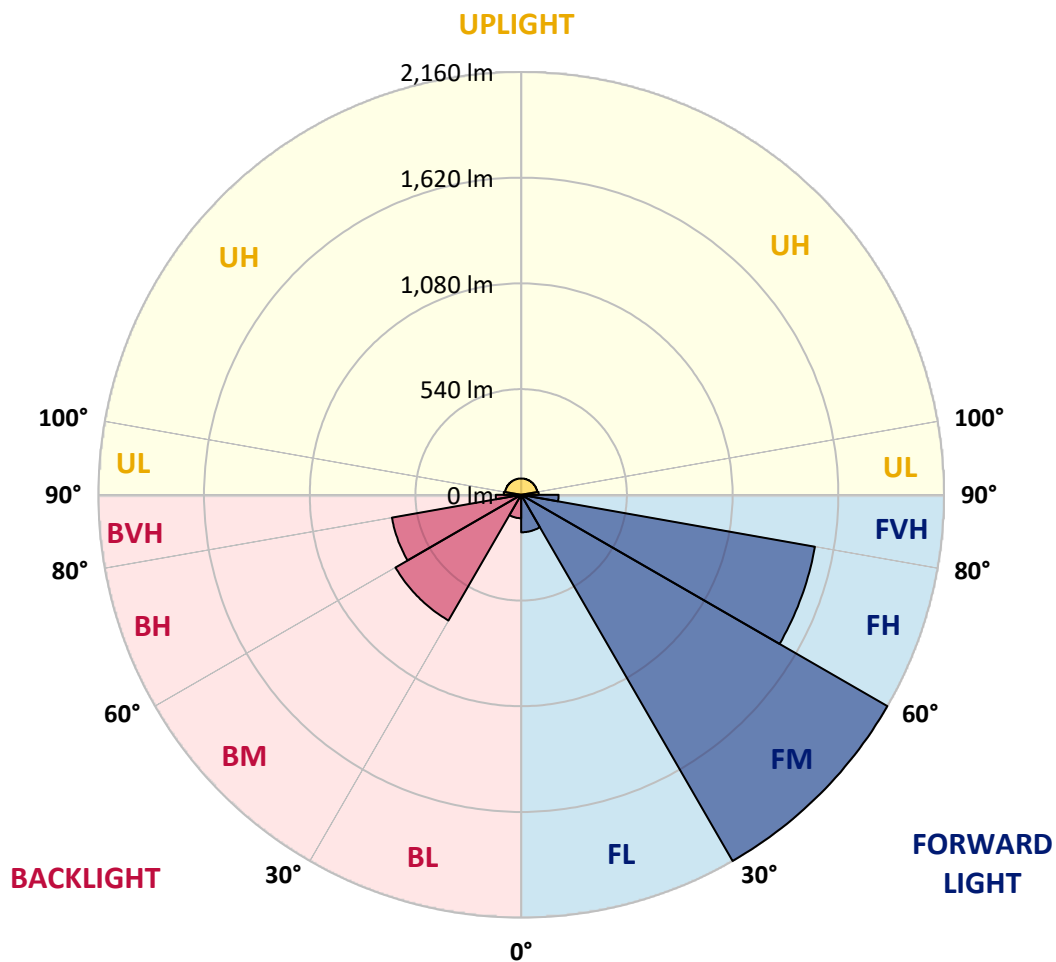
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.5	3.2			
FM (30°-60°)	2160.4	36.7			
FH (60°-80°)	1524.0	25.9			G1/1800
FVH (80°-90°)	191.2	3.2			G2/225
BL (0°-30°)	119.7	2.0	B1/500		
BM (30°-60°)	741.6	12.6	B1/1000		
BH (60°-80°)	670.5	11.4	B2/1000		G2/1000
BVH (80°-90°)	130.0	2.2			G2/225
UL (90°-100°)	89.3	1.5		U3/500	
UH (100°-180°)	83.6	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	135.8	135.1	133.7	133.0	133.0	131.7	130.3	128.2	126.9	126.2	124.8
5°	153.5	152.1	150.8	149.4	148.0	146.0	142.6	140.5	137.8	137.1	134.4
7.5°	178.7	177.4	173.3	171.9	169.9	167.1	163.0	158.9	156.2	154.2	150.1
10°	212.2	210.8	208.1	204.7	200.6	195.1	188.3	184.2	177.4	178.7	172.6
12.5°	257.9	254.5	251.0	245.6	237.4	231.3	221.7	217.6	210.1	210.1	202.6
15°	313.1	312.4	305.6	294.0	286.5	273.6	265.4	256.5	251.7	251.7	245.6
17.5°	384.7	380.0	374.5	358.8	341.8	326.1	315.2	309.0	303.6	302.2	294.0
20°	473.4	466.6	458.4	430.5	410.0	390.9	375.2	370.4	366.3	365.6	358.8
22.5°	586.0	571.7	556.7	529.4	496.6	463.2	452.3	441.4	442.0	443.4	427.7
25°	710.8	706.7	680.1	641.2	598.3	561.4	531.4	527.3	531.4	528.7	522.5
27.5°	871.1	857.5	824.1	774.3	706.1	663.1	631.0	628.3	629.0	632.4	622.1
30°	1058.1	1051.2	1008.9	925.7	837.7	780.4	745.6	740.8	749.0	749.7	734.0
32.5°	1278.4	1264.8	1199.9	1107.2	987.1	914.1	874.5	873.2	882.1	884.1	871.8
35°	1501.5	1494.6	1430.5	1297.5	1165.8	1055.3	1015.1	1017.8	1023.9	1036.2	1021.9
37.5°	1758.6	1740.2	1657.7	1517.2	1350.7	1218.4	1175.4	1184.9	1194.5	1194.5	1174.7
40°	2001.5	1994.7	1908.0	1731.4	1532.2	1409.4	1362.3	1367.8	1367.1	1367.8	1341.8
42.5°	2226.6	2203.4	2127.0	1939.4	1734.1	1609.3	1552.6	1561.5	1569.7	1575.8	1510.3
45°	2378.7	2359.0	2291.4	2106.6	1925.1	1807.1	1770.2	1770.2	1779.8	1777.1	1712.3
47.5°	2432.6	2429.9	2379.4	2238.9	2072.4	1981.0	1983.1	1990.6	2004.9	1992.0	1899.2
50°	2407.4	2396.5	2387.6	2309.2	2194.6	2150.9	2191.8	2230.0	2231.4	2208.2	2090.2
52.5°	2249.1	2250.5	2295.5	2281.2	2228.7	2273.0	2397.8	2465.4	2459.2	2436.7	2294.8
55°	2008.3	2019.2	2097.7	2157.7	2189.8	2312.6	2550.7	2690.5	2676.9	2645.5	2501.5
57.5°	1687.7	1723.2	1828.2	1959.2	2073.8	2275.7	2633.9	2885.6	2871.3	2871.3	2707.6
60°	1346.6	1375.3	1530.1	1689.7	1870.5	2151.6	2642.1	3028.9	3063.7	3041.8	2853.5
62.5°	1044.4	1056.7	1217.0	1418.2	1612.0	1942.8	2547.9	3097.1	3189.2	3170.8	2984.5
65°	768.8	803.6	933.2	1117.4	1318.0	1696.6	2346.7	3056.8	3236.9	3227.4	3056.8
67.5°	571.7	587.4	695.8	866.4	1064.9	1390.3	2053.3	2880.8	3179.6	3187.8	3045.9
70°	428.4	432.5	517.1	657.6	826.8	1096.9	1711.6	2599.8	2989.3	3026.1	2948.4
72.5°	324.0	331.5	401.8	512.3	637.8	844.5	1352.8	2217.8	2664.6	2756.0	2726.7
75°	253.8	262.6	311.1	396.3	493.2	639.2	1023.9	1766.2	2257.3	2375.3	2408.1
77.5°	200.6	210.1	251.0	316.5	384.7	493.2	752.4	1321.4	1803.0	1921.0	2016.5
80°	157.6	164.4	200.6	249.0	302.9	364.3	527.3	960.5	1324.1	1471.5	1558.8
82.5°	120.1	127.6	155.5	196.5	237.4	278.3	376.6	653.5	960.5	1027.4	1176.1
85°	87.3	94.1	117.3	150.8	182.8	215.6	275.6	435.9	611.9	691.7	766.8
87.5°	64.1	66.9	87.3	111.9	140.5	163.0	198.5	278.3	388.8	428.4	491.2
90°	45.0	47.8	64.1	82.5	106.4	127.6	146.0	184.2	242.2	277.6	289.2
92.5°	33.4	35.5	47.8	62.1	81.9	98.9	110.5	130.3	157.6	172.6	182.1
95°	25.2	27.3	37.5	49.1	63.4	77.8	86.6	94.1	109.8	113.9	122.1
97.5°	20.5	21.8	30.7	40.2	51.2	64.1	68.9	73.0	78.5	82.5	86.0
100°	17.7	18.4	25.9	34.1	43.7	51.8	55.9	58.0	61.4	62.8	64.1
102.5°	15.7	15.7	22.5	29.3	37.5	43.7	47.1	47.1	47.8	48.4	47.8
105°	13.6	14.3	19.8	25.9	32.1	37.5	40.2	38.9	38.2	37.5	35.5
107.5°	13.0	13.0	17.7	23.2	28.7	32.7	34.8	32.1	30.7	29.3	27.3
110°	11.6	12.3	15.7	20.5	25.2	28.7	30.0	27.3	24.6	23.2	21.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.9	11.6	14.3	18.4	22.5	25.9	25.9	23.2	19.8	18.4	17.1
115°	10.9	10.9	13.0	16.4	20.5	23.2	23.2	19.8	16.4	15.0	14.3
117.5°	10.9	10.9	12.3	15.0	18.4	20.5	20.5	17.1	13.6	12.3	12.3
120°	10.2	10.2	11.6	13.6	17.1	18.4	17.7	15.0	11.6	10.9	10.9
122.5°	10.2	10.2	10.9	13.0	15.7	17.1	16.4	13.0	10.2	8.9	9.6
125°	10.9	10.2	10.9	12.3	14.3	15.0	14.3	10.9	8.9	8.2	8.9
127.5°	10.9	10.9	10.2	11.6	13.0	13.6	13.0	9.6	7.5	7.5	8.2
130°	10.9	10.9	10.2	10.9	11.6	12.3	10.9	8.2	6.8	6.8	7.5
132.5°	10.9	10.9	10.2	10.2	10.9	10.9	9.6	6.8	6.1	6.1	6.8
135°	10.9	10.9	9.6	9.6	9.6	9.6	8.2	6.1	5.5	5.5	6.1
137.5°	10.2	10.2	9.6	8.9	8.9	8.2	6.8	4.8	4.1	4.8	5.5
140°	9.6	9.6	8.9	7.5	7.5	6.8	5.5	4.1	3.4	4.1	4.1
142.5°	8.9	8.9	8.2	6.8	6.1	5.5	4.8	2.7	2.7	2.7	3.4
145°	8.2	8.2	7.5	5.5	4.8	4.1	3.4	2.0	2.0	2.0	2.7
147.5°	6.8	6.8	6.1	4.8	3.4	3.4	2.0	1.4	2.0	2.0	2.0
150°	5.5	5.5	4.8	3.4	2.7	2.0	0.7	1.4	1.4	1.4	2.0
152.5°	4.8	4.8	3.4	2.7	1.4	0.7	0.7	0.7	1.4	1.4	1.4
155°	3.4	3.4	2.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	2.0	2.0	1.4	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	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°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	123.5	123.5	122.8	122.1	121.4	120.7	119.4	118.7	118.7	118.0	118.0
5°	133.0	132.3	130.3	128.2	125.5	124.2	122.1	120.7	120.1	119.4	119.4
7.5°	148.0	146.7	142.6	139.2	135.8	133.0	129.6	127.6	126.9	124.8	125.5
10°	169.2	167.1	162.4	156.2	150.1	146.0	141.2	138.5	137.1	135.8	134.4
12.5°	199.9	195.8	187.6	179.4	170.5	162.4	157.6	155.5	156.9	156.2	156.9
15°	242.2	234.7	222.4	210.1	194.4	184.2	182.8	182.1	182.1	182.8	184.2
17.5°	289.9	281.7	266.0	243.5	225.1	214.9	208.7	208.1	211.5	212.2	211.5
20°	352.7	344.5	319.9	289.2	262.6	246.3	238.1	238.1	242.9	244.2	246.9
22.5°	420.2	415.4	382.0	339.7	304.3	277.6	266.0	267.4	274.2	276.3	277.6
25°	514.4	495.3	454.3	396.3	345.2	309.7	294.0	294.7	302.2	307.7	309.7
27.5°	618.1	596.2	536.2	460.5	386.1	336.3	318.6	319.3	328.1	334.9	336.3
30°	729.2	707.4	629.0	523.9	424.3	360.2	336.3	337.0	347.2	354.7	356.1
32.5°	847.9	830.2	720.4	592.1	457.7	376.6	347.9	348.6	357.5	364.3	365.6
35°	998.0	957.8	828.8	652.8	485.7	386.8	353.4	352.7	361.6	368.4	369.7
37.5°	1146.1	1103.1	931.9	709.5	502.1	389.5	352.0	352.0	358.8	364.3	365.0
40°	1307.0	1235.4	1040.3	753.8	508.2	385.4	347.9	347.2	352.7	355.4	356.1
42.5°	1480.3	1392.3	1146.7	789.3	505.5	376.6	340.4	341.1	343.1	343.1	342.5
45°	1636.5	1547.2	1238.1	812.5	495.9	365.0	331.5	332.2	332.9	327.4	327.4
47.5°	1820.0	1711.6	1324.1	817.9	476.8	353.4	324.7	326.1	322.7	315.2	313.8
50°	1994.0	1873.3	1410.7	815.9	457.1	341.1	317.9	319.3	313.1	302.9	300.8
52.5°	2187.7	2032.9	1492.6	805.6	433.2	330.2	313.1	314.5	307.7	295.4	293.3
55°	2378.7	2202.1	1567.6	787.9	412.7	318.6	308.3	311.8	302.9	290.6	289.9
57.5°	2560.9	2369.9	1629.7	762.0	390.9	310.4	304.9	309.0	300.8	288.6	287.9
60°	2723.2	2512.5	1679.5	736.7	367.0	302.2	301.5	307.0	299.5	289.2	288.6
62.5°	2837.2	2640.7	1702.0	702.6	347.9	293.3	297.4	302.9	297.4	289.2	289.2
65°	2927.9	2698.0	1693.2	657.6	327.4	283.8	292.0	297.4	294.0	288.6	289.2
67.5°	2910.8	2696.6	1635.2	603.7	308.3	273.6	282.4	289.9	287.2	285.1	284.5
70°	2805.8	2569.1	1524.0	545.1	288.6	260.6	270.8	278.3	277.6	277.0	277.0
72.5°	2589.5	2348.0	1357.5	477.5	268.1	246.9	255.8	262.6	264.0	263.3	261.3
75°	2307.1	2043.8	1164.5	414.1	246.9	230.6	240.1	244.2	246.3	244.9	244.9
77.5°	1893.0	1704.1	925.7	350.0	224.4	212.2	219.0	222.4	225.1	221.7	219.7
80°	1504.2	1296.1	712.2	285.8	199.9	191.7	195.1	196.5	199.2	195.8	191.7
82.5°	1056.0	923.7	516.4	233.3	175.3	168.5	170.5	169.9	171.2	166.5	161.0
85°	705.4	620.8	355.4	187.6	150.1	143.9	143.9	141.9	140.5	135.8	131.7
87.5°	442.7	392.9	244.2	148.0	126.2	121.4	118.7	114.6	113.2	109.8	105.1
90°	272.9	251.0	170.5	118.7	105.1	101.0	98.2	92.1	91.4	86.0	82.5
92.5°	178.7	163.7	126.2	96.2	88.0	83.9	80.5	75.0	74.4	70.3	68.2
95°	118.0	114.6	96.2	80.5	74.4	70.9	67.5	62.8	61.4	57.3	54.6
97.5°	86.6	86.6	79.1	68.2	63.4	60.0	58.0	53.9	51.2	47.1	45.7
100°	65.5	66.2	63.4	58.7	54.6	51.2	49.1	45.7	43.7	39.6	38.9
102.5°	50.5	51.8	52.5	49.8	47.1	44.3	42.3	39.6	36.8	32.7	32.1
105°	38.9	40.2	43.0	42.3	40.9	38.9	36.8	34.1	30.7	27.3	27.3
107.5°	30.0	31.4	35.5	36.2	35.5	33.4	32.1	29.3	26.6	23.2	23.2
110°	23.2	25.2	29.3	30.7	30.7	29.3	28.0	25.2	21.8	19.8	19.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	21.1	24.6	26.6	26.6	25.9	23.9	21.1	18.4	17.1	17.1
115°	15.7	17.7	21.1	23.2	23.2	22.5	21.1	18.4	15.7	15.0	15.0
117.5°	13.6	15.0	17.7	19.8	20.5	19.8	18.4	15.7	13.6	13.6	13.6
120°	12.3	13.6	15.7	17.1	17.7	17.1	15.7	13.6	11.6	12.3	12.3
122.5°	10.9	11.6	13.6	15.7	15.7	15.7	14.3	11.6	10.2	10.9	10.9
125°	9.6	10.9	12.3	13.6	14.3	13.6	12.3	10.2	8.9	9.6	10.2
127.5°	8.9	9.6	10.9	12.3	12.3	12.3	10.9	8.9	8.2	8.9	8.9
130°	8.2	8.9	9.6	10.9	10.9	10.9	9.6	7.5	7.5	8.2	8.2
132.5°	7.5	8.2	8.9	9.6	9.6	9.6	8.2	6.8	6.1	7.5	7.5
135°	6.8	6.8	7.5	8.2	8.2	8.2	6.8	5.5	5.5	6.8	6.8
137.5°	5.5	6.1	6.8	6.8	6.8	6.8	5.5	4.8	4.8	5.5	5.5
140°	4.8	4.8	5.5	5.5	5.5	5.5	4.8	3.4	4.1	4.8	4.8
142.5°	4.1	4.1	4.8	4.8	4.8	4.1	3.4	2.7	3.4	4.1	4.1
145°	2.7	3.4	3.4	3.4	3.4	2.7	2.0	2.0	2.7	3.4	3.4
147.5°	2.7	2.7	2.7	2.7	2.7	2.0	1.4	1.4	2.0	2.7	2.7
150°	2.0	2.0	2.7	2.7	2.0	1.4	0.7	0.7	1.4	2.0	2.0
152.5°	1.4	1.4	2.0	2.0	1.4	0.7	0.0	0.0	0.7	0.7	0.7
155°	1.4	1.4	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	0.7	0.7	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)