

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: P413779

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8480 lumens
Efficiency: N/A
Efficacy: 88.3 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 - G4

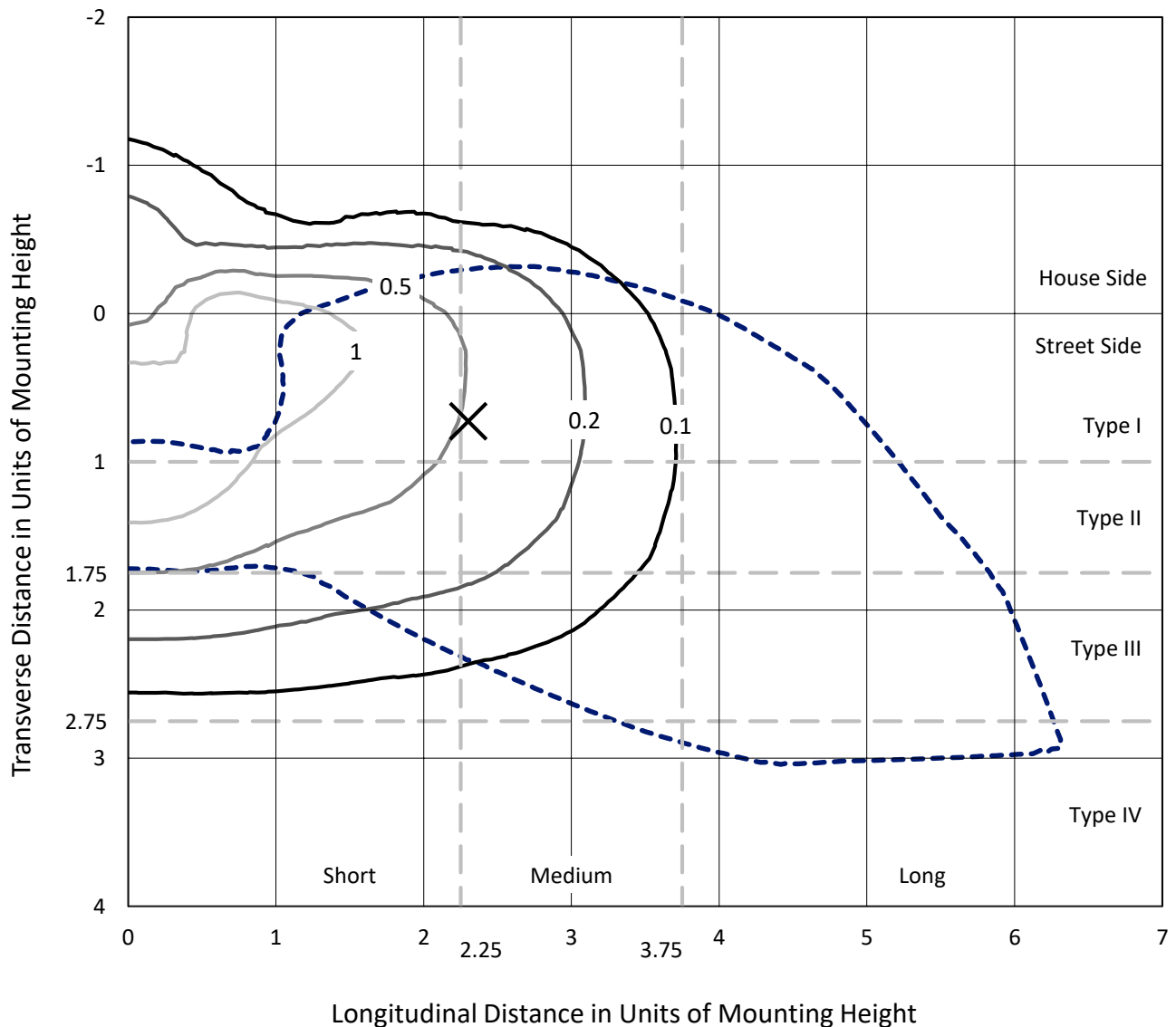
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

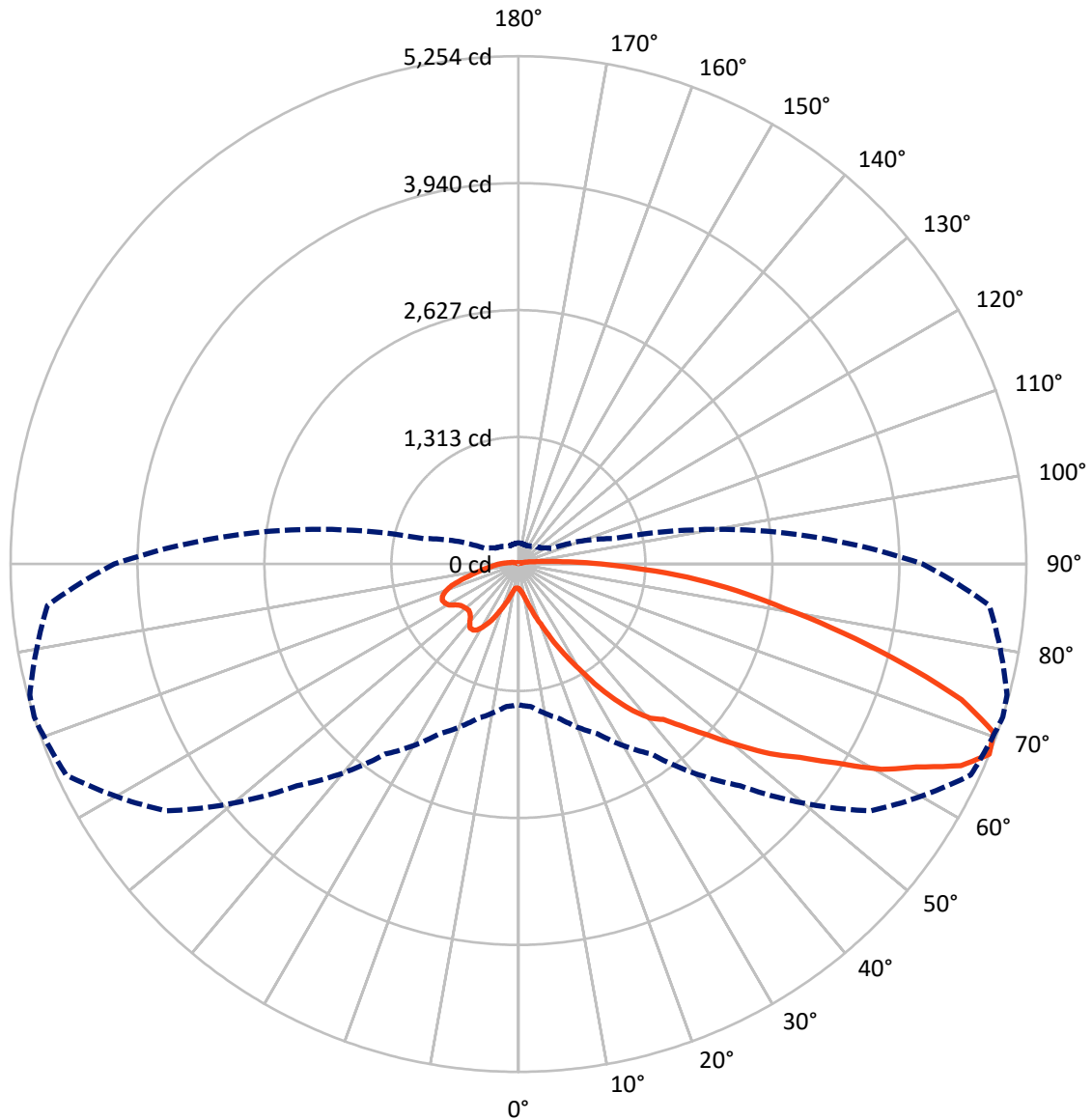


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1483.8	130.4	1614.2
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	6681.4	184.4	6865.8
	% Fixture	78.8	2.2	81.0
Total	Lumens	8165.1	314.9	8480.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	0.3
10°-20°	114.5	1.3
20°-30°	317.1	3.7
30°-40°	681.9	8.0
40°-50°	1154.2	13.6
50°-60°	1693.4	20.0
60°-70°	2019.6	23.8
70°-80°	1508.2	17.8
80°-90°	649.5	7.7
90°-100°	188.5	2.2
100°-110°	61.3	0.7
110°-120°	28.7	0.3
120°-130°	17.5	0.2
130°-140°	11.2	0.1
140°-150°	5.0	0.1
150°-160°	1.7	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	8165.1	96.3
0°-180°	8480.0	100.0

Coefficient of Utilization



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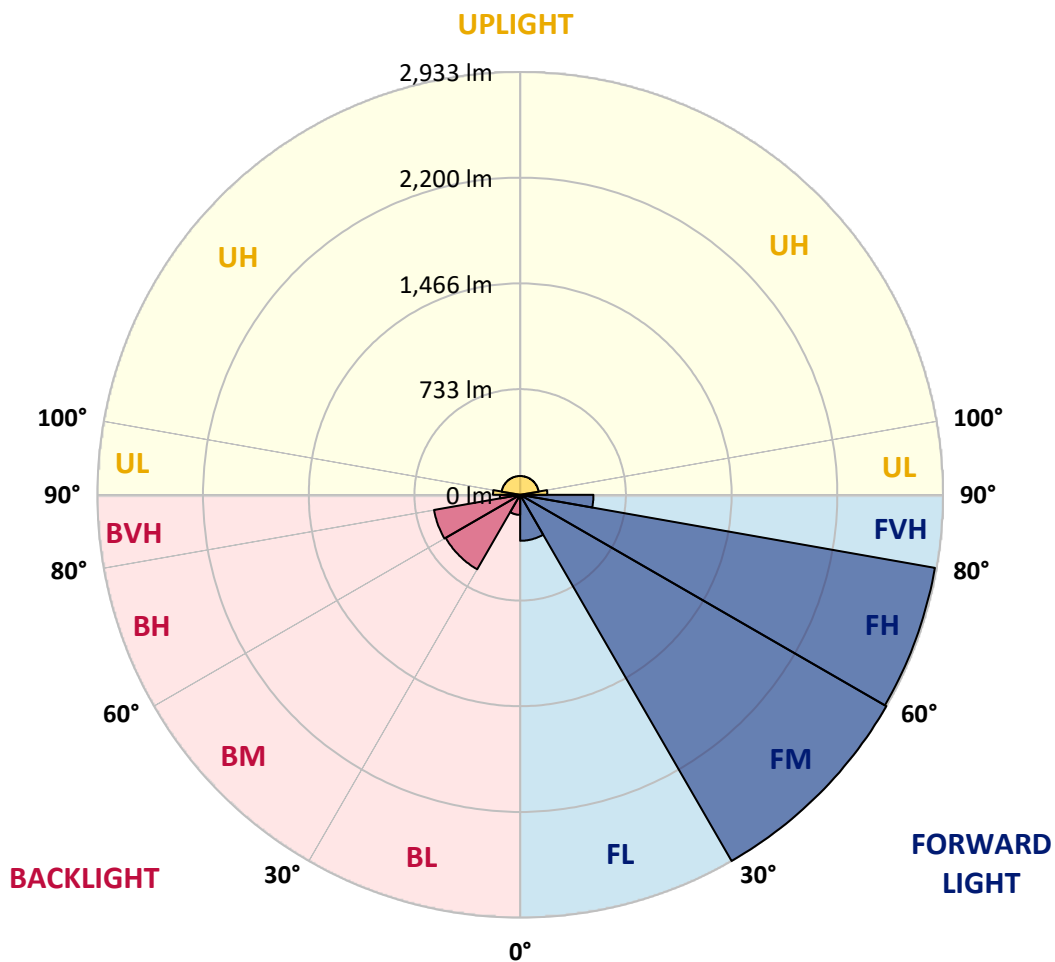
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.1	3.8			
FM	(30°-60°)	2933.0	34.6			
FH	(60°-80°)	2921.2	34.4			G2/5000
FVH	(80°-90°)	508.1	6.0			G4/750
BL	(0°-30°)	139.0	1.6	B1/500		
BM	(30°-60°)	596.6	7.0	B1/1000		
BH	(60°-80°)	606.6	7.2	B2/1000		G2/1000
BVH	(80°-90°)	141.5	1.7			G2/225
UL	(90°-100°)	188.5	2.2		U3/500	
UH	(100°-180°)	130.4	1.5		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5
2.5°	278.4	280.4	282.4	281.4	280.4	277.4	272.4	267.4	262.5	262.5	258.5
5°	318.2	317.2	316.2	317.2	312.2	305.2	297.3	288.3	281.4	279.4	269.4
7.5°	363.9	361.9	363.9	357.9	351.0	342.0	330.1	318.2	306.2	304.2	288.3
10°	418.6	416.6	415.6	410.6	397.7	384.8	372.8	353.9	345.0	342.0	321.1
12.5°	487.2	486.2	480.2	470.3	453.4	440.4	423.5	413.6	404.7	397.7	376.8
15°	565.7	567.7	560.7	539.9	519.0	499.1	491.1	483.2	476.2	473.3	455.4
17.5°	676.1	672.1	656.2	624.4	590.6	574.7	567.7	562.7	569.7	567.7	539.9
20°	812.3	802.3	777.5	722.8	681.0	655.2	649.2	658.2	662.2	672.1	653.2
22.5°	972.4	959.4	917.7	856.0	795.4	746.7	740.7	767.5	792.4	795.4	787.4
25°	1128.5	1116.5	1079.7	999.2	917.7	853.0	839.1	898.8	948.5	957.4	968.4
27.5°	1288.5	1282.6	1228.9	1141.4	1051.9	970.4	968.4	1033.0	1110.6	1131.4	1150.3
30°	1470.5	1484.4	1416.8	1306.4	1194.1	1099.6	1094.6	1190.1	1285.5	1330.3	1362.1
32.5°	1727.0	1715.0	1630.5	1507.3	1340.2	1229.9	1236.8	1348.2	1509.2	1547.0	1588.8
35°	2021.3	2025.2	1909.9	1718.0	1521.2	1385.0	1380.0	1535.1	1722.0	1753.8	1823.4
37.5°	2262.9	2282.8	2197.2	1976.5	1724.0	1548.0	1555.0	1729.0	1925.8	1989.5	2050.1
40°	2522.4	2540.3	2440.8	2226.1	1944.7	1728.0	1737.9	1906.9	2094.8	2146.5	2161.5
42.5°	2805.7	2823.6	2703.3	2448.8	2130.6	1944.7	1905.9	2035.2	2199.2	2263.9	2276.8
45°	3071.2	3102.0	2980.7	2681.4	2338.4	2139.6	2080.9	2185.3	2400.1	2459.7	2473.6
47.5°	3152.7	3189.5	3136.8	2892.2	2537.3	2307.6	2268.8	2414.0	2645.6	2734.1	2716.2
50°	3231.2	3265.1	3233.2	3016.5	2702.3	2502.5	2511.4	2680.4	2942.9	3056.3	3042.3
52.5°	3243.2	3278.0	3245.2	3093.1	2843.5	2699.3	2798.8	2998.6	3259.1	3341.6	3321.7
55°	3263.1	3285.9	3256.1	3084.1	2945.9	2909.1	3097.0	3324.7	3531.5	3629.9	3597.1
57.5°	2986.7	2995.6	3104.0	3058.3	2967.8	3141.8	3433.1	3638.9	3882.5	4029.6	4012.7
60°	2589.0	2607.9	2742.1	2847.5	2952.9	3307.8	3763.2	4074.4	4313.0	4409.4	4317.9
62.5°	2261.9	2282.8	2423.9	2559.1	2826.6	3381.4	4108.2	4464.1	4621.2	4708.7	4600.3
65°	1822.4	1838.3	2010.3	2275.8	2620.8	3352.5	4366.7	4869.7	5027.8	5062.6	4852.8
67.5°	1456.5	1480.4	1655.4	1938.7	2400.1	3243.2	4451.2	5162.0	5253.5	5232.6	4889.6
70°	1083.7	1095.6	1309.4	1669.3	2138.6	3004.6	4370.6	5227.7	5213.7	5186.9	4716.6
72.5°	746.7	744.7	945.5	1296.5	1866.2	2732.1	3995.8	4856.8	4791.2	4721.6	4126.1
75°	482.2	509.0	634.3	942.5	1509.2	2338.4	3510.6	4217.5	4106.2	3995.8	3399.3
77.5°	325.1	344.0	445.4	675.1	1153.3	1966.6	3021.5	3622.0	3436.1	3335.6	2744.1
80°	223.7	231.7	309.2	496.1	858.0	1559.9	2474.6	2997.6	2794.8	2675.5	2129.6
82.5°	157.1	163.1	215.7	365.9	646.2	1165.2	1975.5	2493.5	2280.8	2194.3	1654.4
85°	113.3	117.3	155.1	272.4	491.1	874.9	1503.3	1939.7	1754.8	1688.2	1182.1
87.5°	84.5	88.5	117.3	201.8	377.8	665.1	1121.5	1388.9	1190.1	1103.6	746.7
90°	62.6	66.6	90.5	151.1	295.3	501.1	812.3	949.5	772.5	699.9	476.2
92.5°	46.7	49.7	67.6	110.4	225.7	383.8	572.7	600.5	457.3	416.6	300.3
95°	34.8	36.8	50.7	80.5	161.1	279.4	374.8	351.0	269.4	244.6	189.9
97.5°	28.8	29.8	39.8	61.6	113.3	195.9	240.6	215.7	174.0	162.1	131.2
100°	23.9	24.9	31.8	46.7	82.5	134.2	159.1	140.2	121.3	116.3	102.4
102.5°	20.9	21.9	26.8	38.8	61.6	96.4	110.4	100.4	89.5	85.5	79.5
105°	18.9	18.9	23.9	32.8	50.7	72.6	80.5	73.6	66.6	64.6	63.6
107.5°	16.9	16.9	20.9	28.8	41.8	56.7	60.6	54.7	48.7	47.7	50.7
110°	15.9	15.9	18.9	25.8	35.8	46.7	47.7	40.8	36.8	36.8	40.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	14.9	14.9	17.9	22.9	31.8	38.8	37.8	31.8	28.8	28.8	33.8
115°	14.9	14.9	16.9	21.9	27.8	32.8	30.8	25.8	23.9	23.9	28.8
117.5°	14.9	15.9	16.9	20.9	25.8	28.8	26.8	21.9	20.9	20.9	25.8
120°	15.9	15.9	16.9	20.9	23.9	24.9	22.9	18.9	17.9	18.9	23.9
122.5°	15.9	15.9	17.9	20.9	22.9	22.9	19.9	16.9	16.9	16.9	21.9
125°	16.9	16.9	17.9	20.9	21.9	20.9	17.9	15.9	15.9	16.9	19.9
127.5°	17.9	17.9	18.9	20.9	20.9	18.9	16.9	14.9	14.9	15.9	19.9
130°	19.9	19.9	19.9	20.9	18.9	16.9	14.9	13.9	14.9	15.9	19.9
132.5°	19.9	19.9	19.9	19.9	17.9	14.9	13.9	12.9	14.9	15.9	18.9
135°	17.9	17.9	17.9	17.9	15.9	12.9	11.9	11.9	13.9	14.9	17.9
137.5°	15.9	15.9	15.9	14.9	13.9	11.9	9.9	9.9	11.9	12.9	15.9
140°	13.9	13.9	12.9	12.9	11.9	9.9	8.9	8.9	9.9	10.9	12.9
142.5°	10.9	10.9	10.9	10.9	9.9	8.0	7.0	7.0	8.9	9.9	10.9
145°	8.9	8.9	8.9	8.9	8.0	7.0	6.0	6.0	7.0	8.0	8.9
147.5°	7.0	7.0	8.0	8.0	7.0	6.0	4.0	5.0	6.0	6.0	7.0
150°	6.0	6.0	6.0	7.0	5.0	4.0	3.0	4.0	5.0	5.0	6.0
152.5°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	4.0	4.0	5.0	5.0
155°	3.0	3.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	5.0
157.5°	2.0	2.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	3.0	4.0
160°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
162.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
165°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
167.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
170°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
172.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
175°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
177.5°	0.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5
2.5°	255.5	253.5	249.6	245.6	241.6	237.6	236.6	234.6	233.6	232.6	233.6
5°	265.5	259.5	250.5	241.6	233.6	226.7	221.7	216.7	212.8	210.8	210.8
7.5°	283.4	273.4	258.5	243.6	229.7	217.7	209.8	202.8	197.9	195.9	194.9
10°	311.2	299.3	277.4	253.5	232.6	214.8	202.8	194.9	189.9	186.9	186.9
12.5°	359.9	346.0	311.2	274.4	240.6	215.7	199.8	191.9	186.9	185.9	186.9
15°	436.5	414.6	363.9	311.2	259.5	217.7	197.9	194.9	196.9	197.9	197.9
17.5°	525.9	496.1	431.5	352.0	280.4	226.7	205.8	203.8	206.8	209.8	211.8
20°	626.4	587.6	494.1	390.7	294.3	239.6	213.8	209.8	216.7	222.7	221.7
22.5°	753.6	706.9	573.7	420.6	304.2	242.6	216.7	212.8	224.7	231.7	233.6
25°	920.7	854.0	667.1	452.4	310.2	238.6	214.8	215.7	233.6	247.6	250.5
27.5°	1102.6	1006.2	753.6	478.2	310.2	228.7	211.8	223.7	248.6	266.5	268.4
30°	1301.4	1167.2	829.2	498.1	301.3	218.7	208.8	227.7	252.5	271.4	273.4
32.5°	1513.2	1334.3	907.7	505.1	288.3	210.8	205.8	224.7	245.6	262.5	266.5
35°	1701.1	1483.4	938.6	495.1	270.4	204.8	198.8	214.8	235.6	256.5	257.5
37.5°	1897.0	1625.6	952.5	467.3	252.5	198.8	192.9	207.8	232.6	257.5	260.5
40°	1980.5	1662.4	912.7	428.5	235.6	194.9	189.9	206.8	233.6	258.5	262.5
42.5°	2066.0	1698.1	864.0	372.8	224.7	193.9	192.9	206.8	228.7	248.6	251.5
45°	2212.2	1777.7	842.1	335.1	218.7	196.9	195.9	203.8	219.7	237.6	243.6
47.5°	2421.0	1898.0	831.2	311.2	218.7	201.8	198.8	200.8	210.8	226.7	231.7
50°	2688.4	2065.0	845.1	298.3	223.7	208.8	202.8	199.8	203.8	220.7	226.7
52.5°	2913.1	2225.1	862.0	296.3	231.7	217.7	208.8	199.8	202.8	222.7	229.7
55°	3148.7	2377.2	880.9	301.3	241.6	224.7	212.8	201.8	203.8	222.7	230.7
57.5°	3490.7	2635.7	929.6	312.2	251.5	232.6	217.7	204.8	202.8	217.7	223.7
60°	3802.9	2882.3	1002.2	333.1	263.5	240.6	222.7	206.8	201.8	211.8	215.7
62.5°	3991.8	3015.5	1030.0	353.0	275.4	247.6	224.7	206.8	204.8	213.8	216.7
65°	4186.7	3142.8	1041.0	368.9	282.4	251.5	224.7	208.8	208.8	214.8	215.7
67.5°	4179.7	3114.9	1015.1	376.8	288.3	253.5	224.7	208.8	210.8	216.7	217.7
70°	3996.8	2954.9	950.5	375.8	287.3	250.5	220.7	207.8	215.7	222.7	223.7
72.5°	3459.9	2540.3	846.1	363.9	278.4	242.6	214.8	205.8	217.7	227.7	227.7
75°	2838.5	2069.0	698.9	341.0	267.4	232.6	205.8	198.8	213.8	227.7	227.7
77.5°	2236.0	1619.6	566.7	311.2	251.5	220.7	194.9	186.9	203.8	216.7	215.7
80°	1736.9	1227.9	455.4	281.4	233.6	207.8	181.9	173.0	187.9	196.9	194.9
82.5°	1332.3	945.5	375.8	253.5	215.7	192.9	169.0	161.1	175.0	180.9	179.0
85°	909.7	677.1	308.2	222.7	192.9	175.0	156.1	150.1	166.0	173.0	171.0
87.5°	600.5	465.3	257.5	195.9	170.0	157.1	141.2	139.2	157.1	164.0	163.1
90°	396.7	325.1	218.7	170.0	148.1	137.2	127.3	127.3	143.2	149.1	145.2
92.5°	261.5	230.7	173.0	144.2	126.3	119.3	113.3	112.3	126.3	128.3	125.3
95°	178.0	162.1	135.2	119.3	106.4	102.4	97.4	99.4	108.4	106.4	103.4
97.5°	127.3	123.3	109.4	97.4	88.5	87.5	85.5	86.5	91.5	87.5	85.5
100°	101.4	98.4	90.5	81.5	75.6	74.6	73.6	74.6	77.5	73.6	71.6
102.5°	81.5	81.5	75.6	68.6	63.6	64.6	64.6	64.6	65.6	59.7	59.7
105°	65.6	65.6	63.6	57.7	54.7	54.7	55.7	55.7	55.7	51.7	51.7
107.5°	52.7	54.7	53.7	48.7	46.7	47.7	47.7	46.7	46.7	44.7	44.7
110°	42.8	44.7	44.7	41.8	40.8	41.8	40.8	39.8	38.8	38.8	38.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	35.8	37.8	38.8	36.8	35.8	35.8	34.8	33.8	33.8	34.8	34.8
115°	30.8	32.8	33.8	31.8	31.8	31.8	29.8	28.8	28.8	30.8	30.8
117.5°	27.8	28.8	29.8	28.8	27.8	27.8	26.8	24.9	24.9	26.8	27.8
120°	24.9	25.8	26.8	25.8	24.9	23.9	22.9	21.9	21.9	24.9	24.9
122.5°	22.9	23.9	23.9	22.9	21.9	21.9	20.9	19.9	19.9	21.9	22.9
125°	21.9	21.9	21.9	20.9	19.9	18.9	17.9	17.9	17.9	19.9	19.9
127.5°	20.9	20.9	19.9	18.9	17.9	16.9	16.9	15.9	15.9	17.9	18.9
130°	20.9	20.9	18.9	17.9	16.9	14.9	14.9	13.9	14.9	16.9	16.9
132.5°	19.9	19.9	17.9	16.9	14.9	13.9	12.9	12.9	12.9	14.9	15.9
135°	18.9	17.9	15.9	14.9	12.9	11.9	11.9	11.9	11.9	13.9	13.9
137.5°	16.9	15.9	13.9	12.9	11.9	10.9	9.9	9.9	10.9	11.9	12.9
140°	13.9	13.9	11.9	10.9	9.9	8.9	8.9	8.9	9.9	10.9	10.9
142.5°	11.9	11.9	9.9	8.9	8.0	7.0	8.0	8.0	8.9	9.9	9.9
145°	9.9	8.9	8.9	7.0	7.0	6.0	6.0	7.0	8.0	8.9	8.9
147.5°	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	8.0
150°	7.0	7.0	6.0	6.0	4.0	3.0	4.0	6.0	6.0	6.0	6.0
152.5°	6.0	6.0	6.0	5.0	4.0	2.0	3.0	5.0	5.0	5.0	5.0
155°	5.0	5.0	5.0	4.0	3.0	1.0	3.0	4.0	4.0	4.0	4.0
157.5°	4.0	4.0	4.0	4.0	2.0	1.0	2.0	3.0	3.0	3.0	4.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
162.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	3.0	2.0	2.0	2.0
165°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
167.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
170°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
172.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
175°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
177.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)