

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: P416251

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416251
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-PA1-70-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 6902 lumens
Efficiency: N/A
Efficacy: 93.3 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 - G3

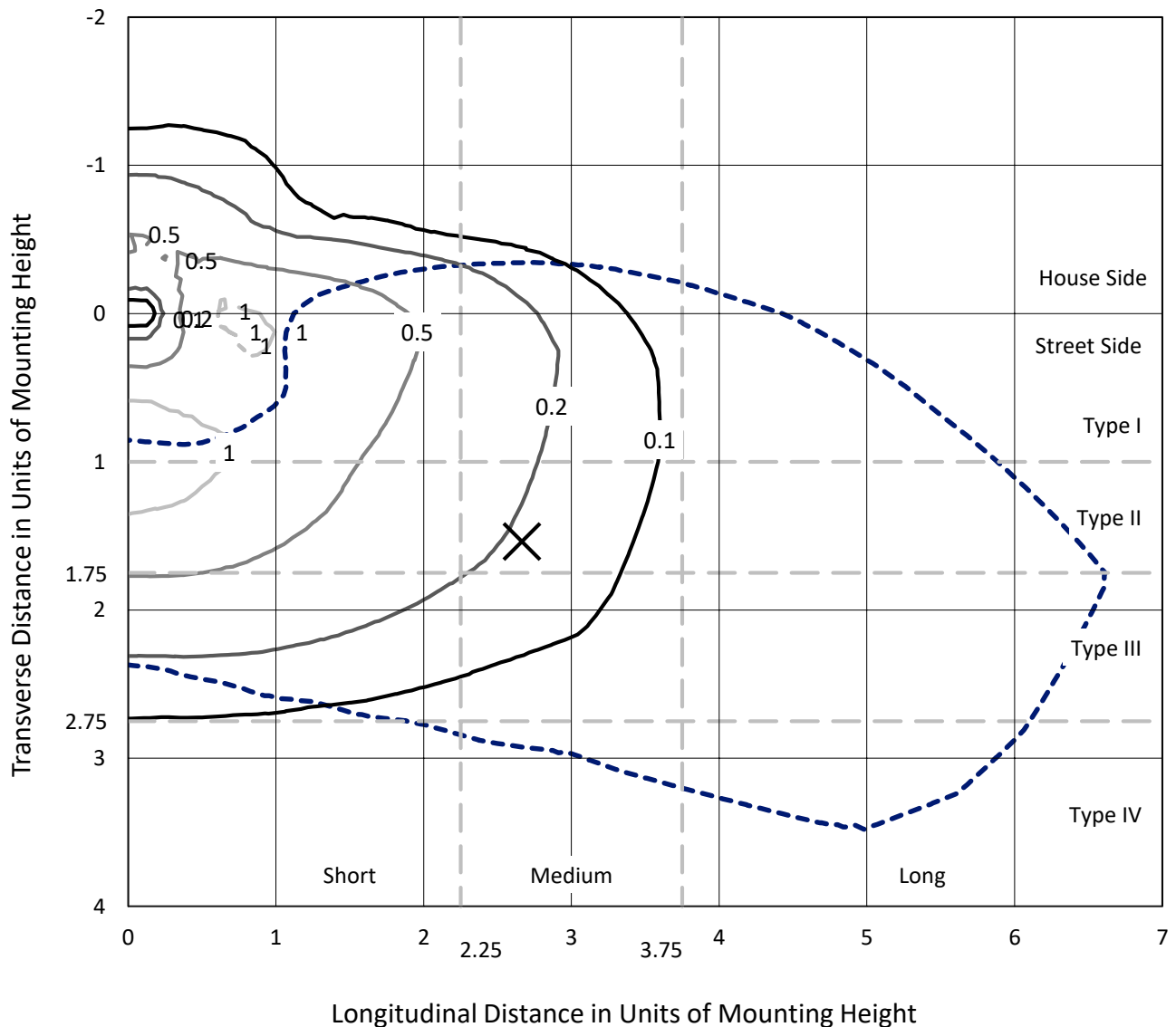
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

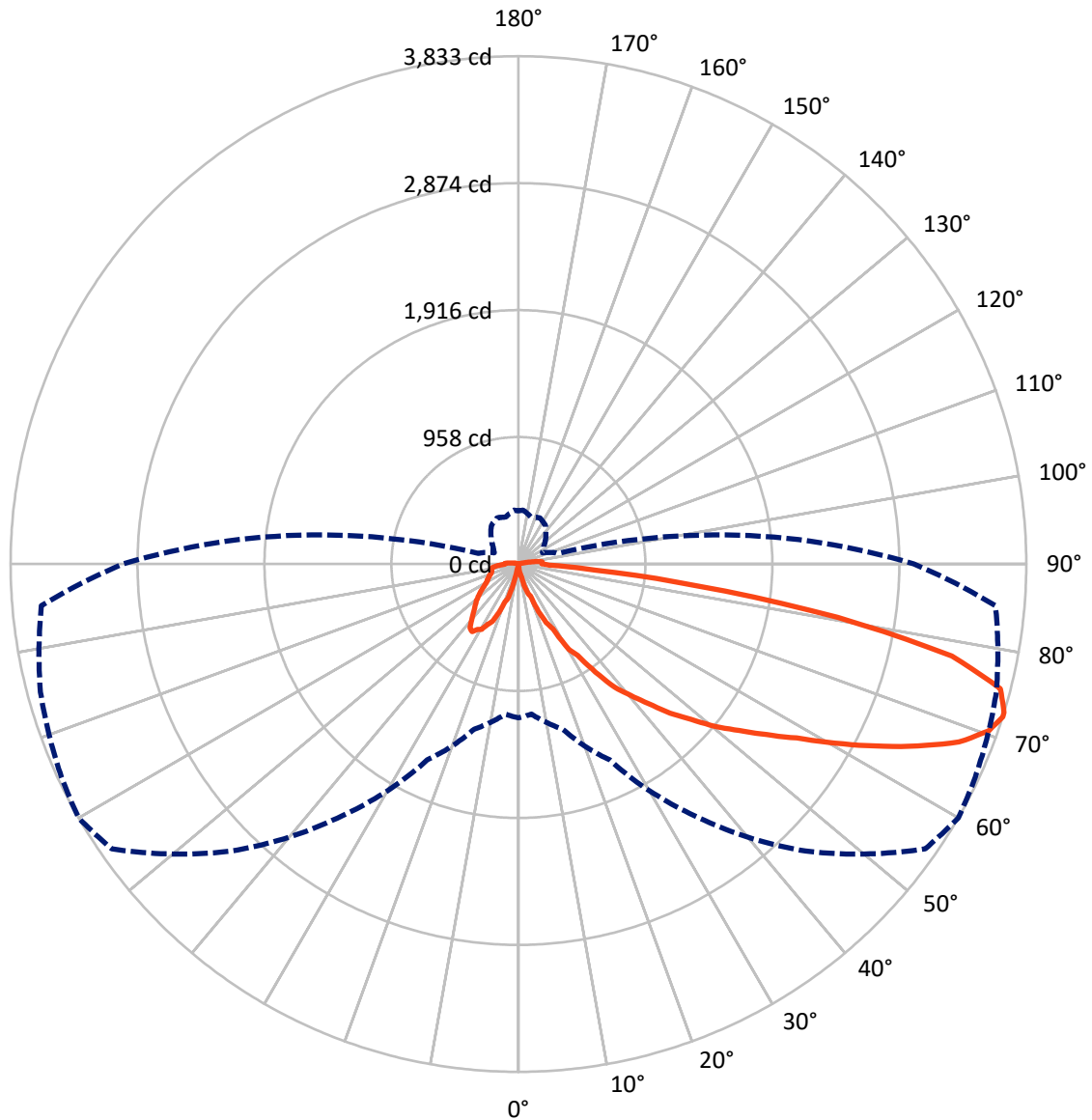
× Max cd
 - - - 1/2 Max cd



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	1508.5	73.6	1582.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5255.3	64.6	5319.9
	% Fixture	76.1	0.9	77.1
Total	Lumens	6763.8	138.3	6902.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	56.4	0.8
20°-30°	235.3	3.4
30°-40°	543.6	7.9
40°-50°	954.5	13.8
50°-60°	1442.7	20.9
60°-70°	1778.8	25.8
70°-80°	1373.4	19.9
80°-90°	375.2	5.4
90°-100°	101.9	1.5
100°-110°	17.6	0.3
110°-120°	6.8	0.1
120°-130°	4.9	0.1
130°-140°	3.2	0.0
140°-150°	2.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6763.8	98.0
0°-180°	6902.0	100.0



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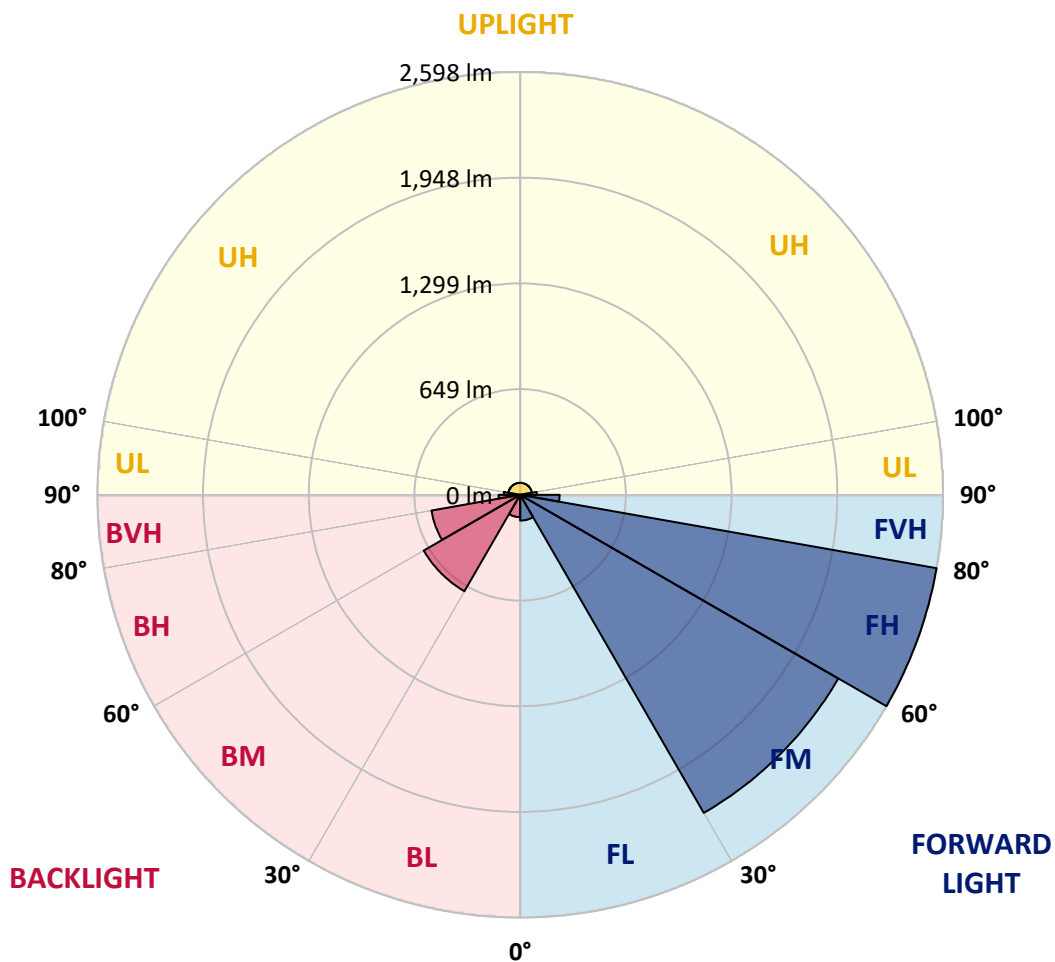
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.4	2.3			
FM	(30°-60°)	2256.6	32.7			
FH	(60°-80°)	2597.9	37.6			G2/5000
FVH	(80°-90°)	242.3	3.5			G3/500
BL	(0°-30°)	137.1	2.0	B1/500		
BM	(30°-60°)	684.2	9.9	B1/1000		
BH	(60°-80°)	554.3	8.0	B2/1000		G2/1000
BVH	(80°-90°)	132.9	1.9			G2/225
UL	(90°-100°)	101.9	1.5		U3/500	
UH	(100°-180°)	73.6	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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	9.2	8.4	7.7	7.7	8.4	7.7	6.9	6.1	5.4	5.4	4.6
5°	85.7	83.4	82.6	66.6	30.6	23.7	10.7	8.4	6.9	5.4	4.6
7.5°	94.9	94.1	93.3	93.3	91.8	87.2	49.7	24.5	13.8	6.9	6.1
10°	108.6	107.1	102.5	100.2	97.9	96.4	89.5	84.9	38.3	11.5	9.9
12.5°	193.6	190.5	185.9	137.7	117.8	104.1	101.8	97.9	84.9	35.2	71.2
15°	208.1	207.3	204.3	202.0	195.9	130.1	157.6	179.8	203.5	166.0	185.2
17.5°	261.7	254.0	234.1	222.7	218.8	238.7	228.0	231.8	231.8	223.4	211.9
20°	391.0	385.6	375.7	331.3	249.4	307.6	301.5	256.3	264.0	326.7	379.5
22.5°	471.3	466.0	445.3	417.0	411.6	342.0	355.8	388.7	397.9	458.3	457.5
25°	639.6	629.7	585.3	501.9	512.6	441.5	496.6	488.9	465.2	505.0	518.8
27.5°	781.2	772.8	751.4	709.3	594.5	617.5	564.7	554.7	618.2	729.9	727.6
30°	937.3	891.4	834.0	821.0	736.0	700.1	713.9	746.8	770.5	781.2	808.0
32.5°	1137.0	1131.6	1088.8	919.7	892.9	800.3	866.1	821.0	839.3	993.9	1085.7
35°	1275.5	1289.2	1213.5	1112.5	985.5	983.2	955.6	1000.8	1088.8	1110.2	1173.7
37.5°	1598.3	1602.2	1534.1	1245.6	1163.0	1083.4	1169.1	1181.3	1205.8	1242.6	1296.1
40°	1841.6	1807.2	1723.1	1508.8	1329.0	1242.6	1303.8	1302.2	1355.8	1423.1	1456.8
42.5°	2141.6	2103.3	1952.6	1710.0	1541.7	1446.1	1452.2	1439.2	1483.6	1589.9	1610.6
45°	2393.3	2376.5	2260.2	2004.6	1776.6	1661.8	1620.5	1604.5	1626.7	1760.5	1772.0
47.5°	2631.3	2586.1	2510.4	2251.8	2117.9	1909.0	1790.4	1752.1	1759.0	1911.3	1944.9
50°	2883.0	2807.2	2713.9	2486.6	2389.5	2219.6	1985.5	1925.8	1928.1	2068.9	2126.3
52.5°	3032.2	2912.1	2851.6	2663.4	2565.5	2480.5	2189.8	2086.5	2097.2	2230.3	2317.6
55°	2939.6	2903.6	2905.2	2792.7	2720.0	2620.5	2387.9	2272.4	2284.7	2440.7	2550.2
57.5°	2783.5	2811.1	2908.2	2903.6	2863.1	2765.9	2585.3	2477.5	2547.9	2678.7	2794.2
60°	2663.4	2694.8	2852.4	2933.5	3009.2	2938.1	2789.6	2743.0	2808.8	2922.8	3061.3
62.5°	2462.9	2488.2	2704.7	2918.9	3005.4	3085.0	2984.0	3026.1	3086.5	3182.9	3351.2
65°	2189.0	2182.9	2452.2	2785.8	2980.2	3166.8	3234.2	3311.5	3366.5	3469.8	3622.9
67.5°	1865.4	1896.0	2122.4	2498.9	2881.5	3208.2	3444.6	3586.1	3620.6	3660.3	3770.5
70°	1523.4	1521.8	1720.0	2120.2	2669.5	3185.2	3644.3	3766.7	3767.5	3743.7	3776.6
72°	1161.5	1137.0	1290.0	1631.2	2318.3	3062.0	3746.8	3832.5	3804.2	3733.8	3613.7
72.5°	997.0	1019.1	1163.0	1536.4	2160.7	3000.8	3757.5	3831.7	3801.1	3723.9	3564.7
75°	505.7	473.6	555.5	823.3	1490.5	2424.7	3680.2	3756.8	3671.1	3574.7	3125.5
77.5°	198.2	203.5	235.7	355.8	725.3	1596.8	3176.8	3343.6	3288.5	3220.4	2465.2
80°	139.3	139.3	157.6	202.8	371.8	648.8	2201.3	2443.8	2528.7	2562.4	1648.8
82.5°	101.0	102.5	120.1	141.5	265.5	311.4	1081.1	1358.1	1492.0	1617.5	922.0
85°	94.1	94.1	96.4	94.9	189.8	221.9	393.3	580.0	670.2	785.8	372.6
87.5°	44.4	48.2	71.2	56.6	93.3	137.0	214.2	232.6	238.0	270.1	267.8
90°	29.1	29.1	23.7	24.5	45.9	110.9	172.2	176.0	169.1	198.2	249.4
92.5°	29.8	30.6	22.2	23.0	36.0	101.8	176.7	179.8	174.4	208.1	264.7
95°	27.5	27.5	19.1	19.9	28.3	78.0	176.7	179.8	164.5	207.3	264.7
97.5°	23.0	23.7	15.3	16.1	22.2	38.3	122.4	131.6	104.8	105.6	129.3
100°	19.9	19.9	12.2	13.0	16.1	17.6	62.0	65.0	58.1	26.0	17.6
102.5°	19.9	19.9	10.7	10.7	10.7	9.9	19.1	32.1	26.8	15.3	16.8
105°	19.1	19.9	9.9	8.4	8.4	7.7	9.9	12.2	12.2	12.2	17.6
107.5°	15.3	16.1	7.7	7.7	6.9	6.9	5.4	5.4	7.7	11.5	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.2	12.2	6.1	6.9	5.4	6.1	4.6	4.6	6.9	8.4	14.5
112.5°	6.9	6.9	4.6	5.4	4.6	5.4	4.6	4.6	5.4	6.9	9.2
115°	6.1	6.1	3.8	3.8	3.8	3.8	3.8	3.8	4.6	6.1	9.9
117.5°	6.1	6.1	3.8	3.8	3.8	3.1	3.1	3.8	3.8	6.1	9.9
120°	6.1	6.1	3.8	3.8	3.1	3.1	3.1	3.8	3.8	6.1	9.9
122.5°	6.9	6.1	3.8	3.1	3.1	3.1	3.1	3.1	3.8	5.4	9.9
125°	6.9	6.1	4.6	3.1	3.1	3.1	3.1	3.1	3.8	5.4	8.4
127.5°	6.9	6.9	4.6	3.1	3.1	3.1	3.1	3.1	3.1	4.6	7.7
130°	6.9	6.1	4.6	3.1	3.1	3.1	3.1	3.1	3.1	4.6	6.9
132.5°	6.1	6.1	4.6	3.1	3.8	3.1	3.1	3.1	3.1	3.8	5.4
135°	5.4	5.4	3.8	3.8	3.8	3.1	3.1	3.1	3.1	3.1	4.6
137.5°	5.4	5.4	4.6	3.8	3.8	3.8	3.1	3.1	3.1	3.1	3.8
140°	5.4	5.4	4.6	4.6	4.6	3.8	3.1	3.1	3.1	3.8	3.8
142.5°	6.1	6.1	5.4	4.6	4.6	3.8	3.1	3.1	3.8	3.8	3.8
145°	6.9	6.9	6.1	5.4	4.6	3.1	3.1	3.8	3.8	3.8	4.6
147.5°	6.9	6.9	6.1	4.6	3.8	3.1	3.1	3.8	3.8	4.6	4.6
150°	6.1	6.1	5.4	3.8	3.1	2.3	3.1	3.1	3.8	4.6	4.6
152.5°	4.6	4.6	3.8	3.1	2.3	1.5	2.3	3.1	3.1	3.8	4.6
155°	3.1	3.1	2.3	1.5	1.5	1.5	2.3	2.3	2.3	3.1	3.8
157.5°	1.5	1.5	0.8	0.8	1.5	1.5	1.5	2.3	2.3	2.3	3.1
160°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	2.3	2.3	2.3	2.3
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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	4.6	4.6	4.6	4.6	4.6	4.6	5.4	5.4	5.4	6.1	6.9
5°	4.6	4.6	4.6	4.6	5.4	6.1	6.9	7.7	8.4	9.2	9.2
7.5°	5.4	5.4	5.4	6.1	6.9	8.4	19.1	67.3	91.8	100.2	97.9
10°	9.9	9.9	9.2	9.2	10.7	89.5	114.0	123.9	129.3	135.4	135.4
12.5°	79.6	91.8	32.9	18.4	88.8	125.5	134.7	141.5	146.1	152.3	152.3
15°	192.0	195.1	200.5	180.6	174.4	142.3	148.4	201.2	264.7	281.6	283.1
17.5°	215.8	219.6	223.4	264.7	281.6	218.1	251.0	282.3	288.5	294.6	294.6
20°	411.6	417.8	338.9	303.8	296.9	369.6	283.9	291.5	302.2	356.5	361.9
22.5°	466.7	470.6	440.7	459.8	336.7	386.4	373.4	373.4	417.8	420.8	421.6
25°	523.3	544.8	488.1	472.8	479.0	391.0	440.7	397.9	404.0	408.6	409.3
27.5°	763.6	760.5	714.6	540.9	480.5	473.6	427.7	392.5	459.1	476.7	477.4
30°	811.8	804.1	762.8	633.5	498.9	469.0	403.2	453.7	441.5	443.8	444.5
32.5°	1116.3	1104.1	987.0	641.2	521.0	433.1	437.7	422.3	423.9	471.3	472.8
35°	1192.8	1176.0	1011.5	741.4	496.6	439.2	404.7	423.9	431.5	429.2	429.2
37.5°	1295.4	1263.2	1003.8	697.0	516.5	410.9	387.2	400.2	395.6	424.6	423.1
40°	1407.1	1361.9	1007.7	646.5	468.3	385.6	371.1	382.6	379.5	371.1	365.0
42.5°	1549.4	1471.3	1006.9	604.4	423.9	377.2	350.4	349.7	336.7	322.9	318.3
45°	1694.7	1586.9	1010.0	556.2	390.2	370.3	338.9	320.6	309.1	294.6	290.7
47.5°	1853.9	1710.0	1019.1	518.0	364.2	349.7	324.4	302.2	293.8	275.4	273.9
50°	2042.1	1839.4	1022.2	487.4	333.6	331.3	313.7	289.2	276.2	257.8	256.3
52.5°	2244.9	1976.3	1027.6	442.2	309.9	324.4	319.8	286.2	280.8	257.1	255.6
55°	2436.9	2106.4	1026.0	387.9	299.2	318.3	319.8	306.0	297.6	258.6	255.6
57.5°	2668.0	2247.2	1003.1	337.4	282.3	309.1	335.1	323.6	314.5	282.3	276.2
60°	2874.6	2392.5	935.0	298.4	267.8	299.2	348.1	336.7	310.6	290.0	283.9
62.5°	3116.3	2518.0	840.1	270.1	262.4	302.2	352.7	345.1	312.9	306.0	303.8
65°	3280.1	2565.5	696.3	247.1	261.7	302.2	351.2	352.7	329.8	336.7	335.9
67.5°	3300.0	2504.2	527.9	229.5	252.5	302.2	348.9	368.0	345.1	373.4	374.9
70°	3204.3	2351.2	384.9	211.9	242.5	298.4	349.7	378.0	356.5	400.9	397.9
72°	2984.0	2119.4	311.4	200.5	234.1	292.3	355.0	383.3	366.5	407.8	400.9
72.5°	2926.6	2048.2	297.6	198.9	232.6	291.5	356.5	384.9	367.3	414.7	406.3
75°	2449.2	1631.2	255.6	187.5	234.9	287.7	364.2	384.1	371.8	419.3	420.8
77.5°	1855.4	1099.5	226.5	177.5	234.1	280.8	361.9	378.0	365.0	403.2	411.6
80°	1148.4	639.6	201.2	176.7	232.6	277.7	352.0	361.9	345.8	376.4	378.7
82.5°	628.2	374.1	174.4	173.7	225.7	269.3	332.8	343.5	328.2	361.9	338.2
85°	321.4	254.0	130.8	142.3	197.4	253.3	310.6	309.9	294.6	306.8	290.0
87.5°	247.9	199.7	84.9	102.5	161.4	208.9	255.6	253.3	233.4	234.9	228.0
90°	228.0	178.3	55.9	72.7	134.7	150.0	177.5	170.6	156.9	159.9	157.6
92.5°	229.5	176.0	53.6	77.3	129.3	134.7	163.0	154.6	140.8	142.3	137.7
95°	224.2	169.1	53.6	68.1	107.1	95.6	117.1	114.0	102.5	97.2	94.9
97.5°	107.1	84.2	49.7	50.5	60.4	52.0	71.2	76.5	61.2	49.0	49.0
100°	18.4	28.3	43.6	51.3	43.6	32.9	45.1	52.0	35.2	16.1	17.6
102.5°	18.4	17.6	33.7	43.6	31.4	17.6	26.0	34.4	22.2	12.2	13.0
105°	19.9	18.4	16.1	29.8	18.4	9.2	9.9	17.6	12.2	12.2	12.2
107.5°	21.4	19.9	11.5	11.5	9.2	8.4	7.7	6.9	8.4	12.2	13.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.1	16.1	10.7	9.2	8.4	8.4	6.1	6.1	8.4	13.0	13.0
112.5°	11.5	11.5	9.2	7.7	6.9	8.4	6.1	6.1	7.7	13.0	13.8
115°	11.5	11.5	8.4	6.9	6.1	6.9	6.1	5.4	7.7	13.0	13.8
117.5°	11.5	11.5	8.4	6.1	5.4	5.4	4.6	5.4	7.7	13.0	13.8
120°	11.5	11.5	8.4	6.1	5.4	4.6	4.6	4.6	7.7	13.0	13.8
122.5°	10.7	10.7	7.7	5.4	4.6	3.8	3.8	4.6	6.9	12.2	13.0
125°	9.9	9.9	6.9	5.4	4.6	3.8	3.8	3.8	6.9	11.5	12.2
127.5°	9.2	9.2	6.9	4.6	3.8	3.8	3.8	3.8	6.1	10.7	11.5
130°	7.7	7.7	6.1	4.6	3.8	3.1	3.8	3.8	6.1	9.9	9.9
132.5°	6.1	6.1	4.6	3.8	3.8	3.1	3.1	3.8	5.4	8.4	9.2
135°	4.6	4.6	4.6	3.8	3.8	3.1	3.1	3.1	4.6	6.9	7.7
137.5°	3.8	4.6	3.8	3.8	3.8	3.1	3.1	3.1	4.6	6.1	6.1
140°	3.8	3.8	3.8	3.8	3.8	3.1	3.1	3.1	4.6	5.4	6.1
142.5°	3.8	4.6	3.8	3.8	3.8	3.1	3.1	3.8	4.6	6.1	6.1
145°	4.6	4.6	4.6	3.8	3.8	2.3	2.3	3.8	4.6	6.1	6.1
147.5°	4.6	4.6	4.6	3.8	3.1	2.3	2.3	3.1	4.6	6.1	6.1
150°	4.6	4.6	4.6	3.8	3.1	1.5	1.5	3.1	3.8	5.4	6.1
152.5°	4.6	4.6	3.8	3.8	2.3	1.5	0.8	2.3	3.1	4.6	4.6
155°	3.8	3.8	3.8	3.1	2.3	0.8	0.0	0.8	2.3	3.8	3.8
157.5°	3.1	3.1	3.1	2.3	1.5	0.8	0.0	0.8	0.8	2.3	2.3
160°	2.3	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.8	1.5	1.5
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)