

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: P416667

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416667
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-PA1-80-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7544 lumens
Efficiency: N/A
Efficacy: 90.9 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

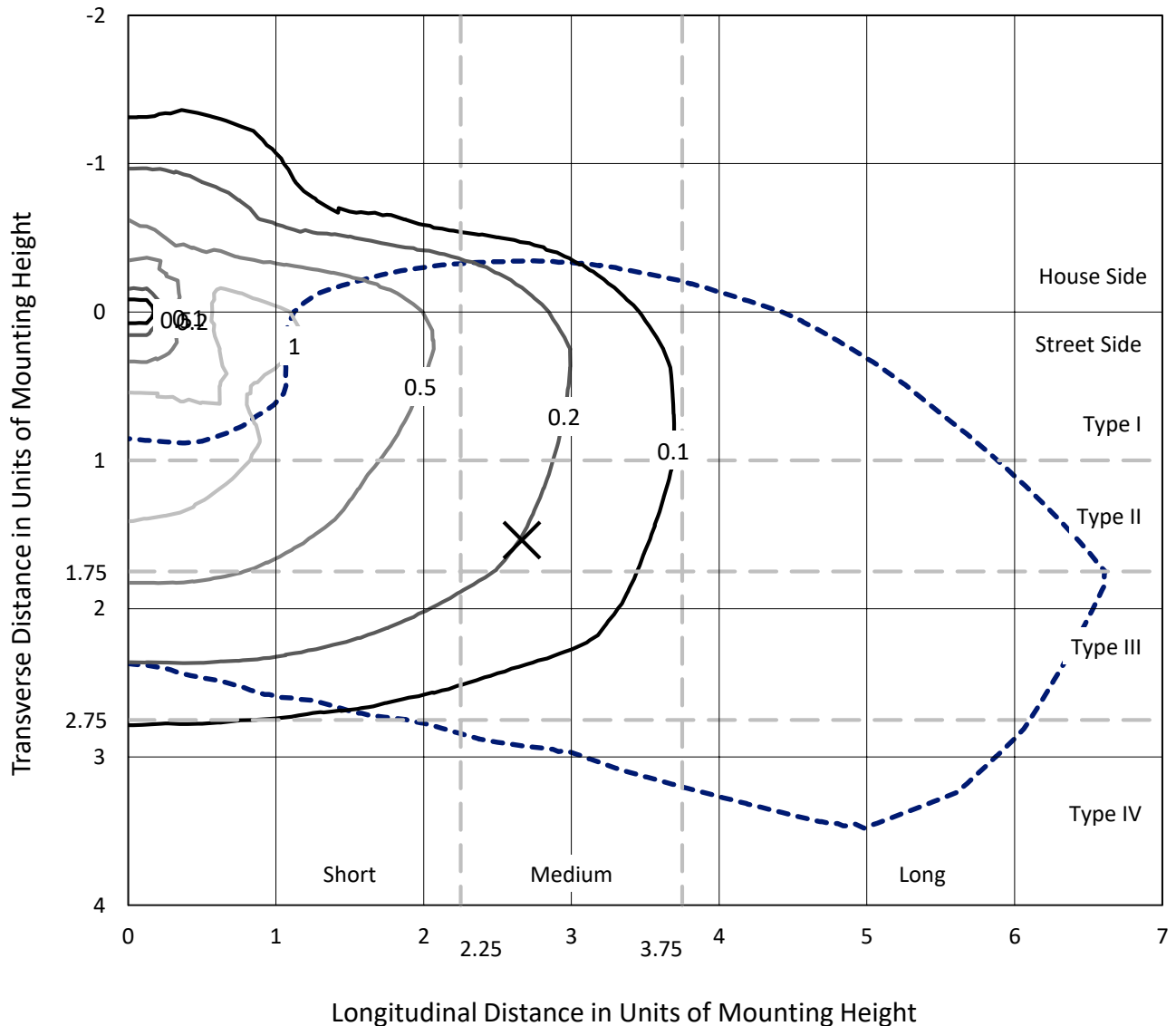
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

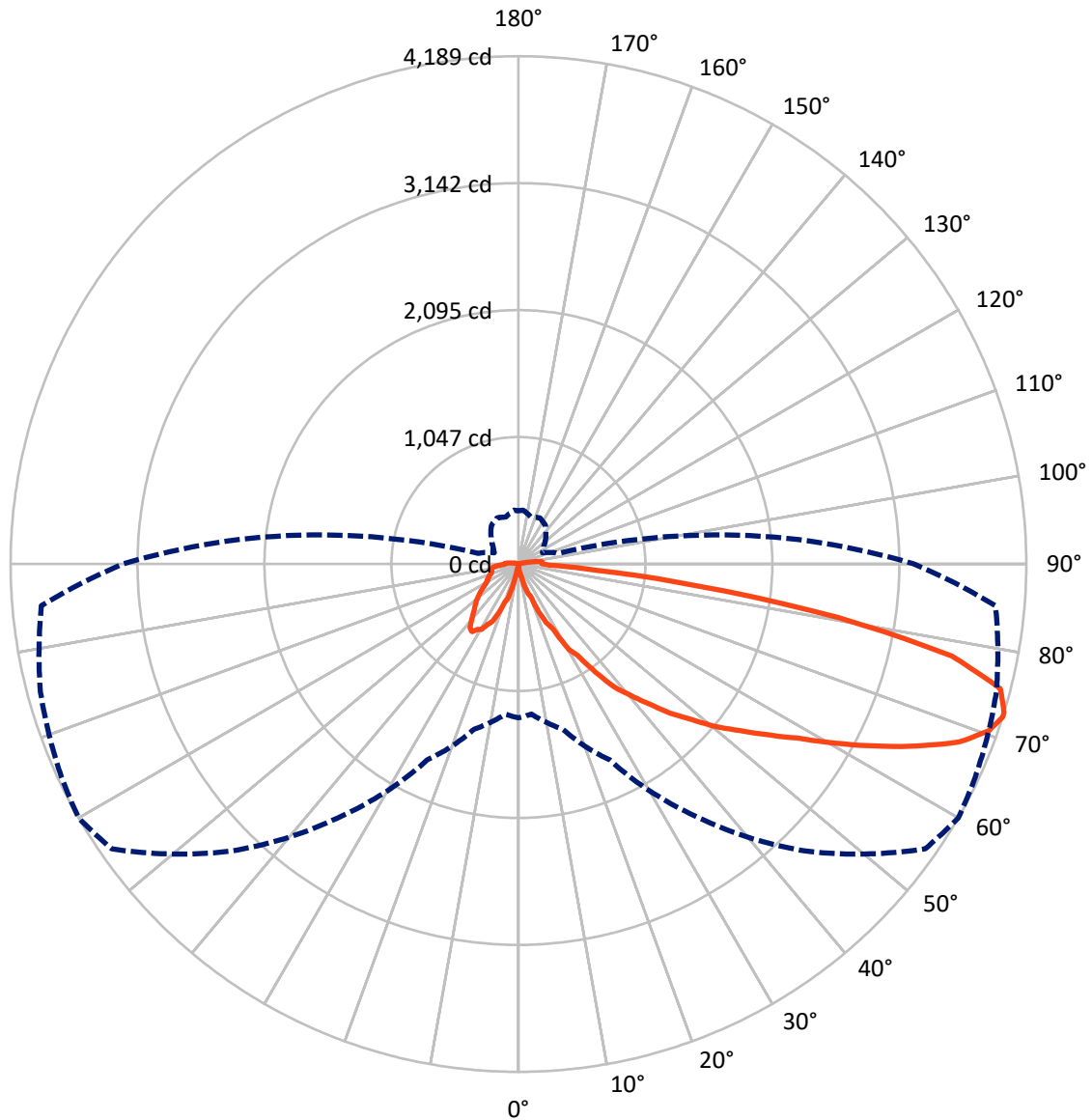
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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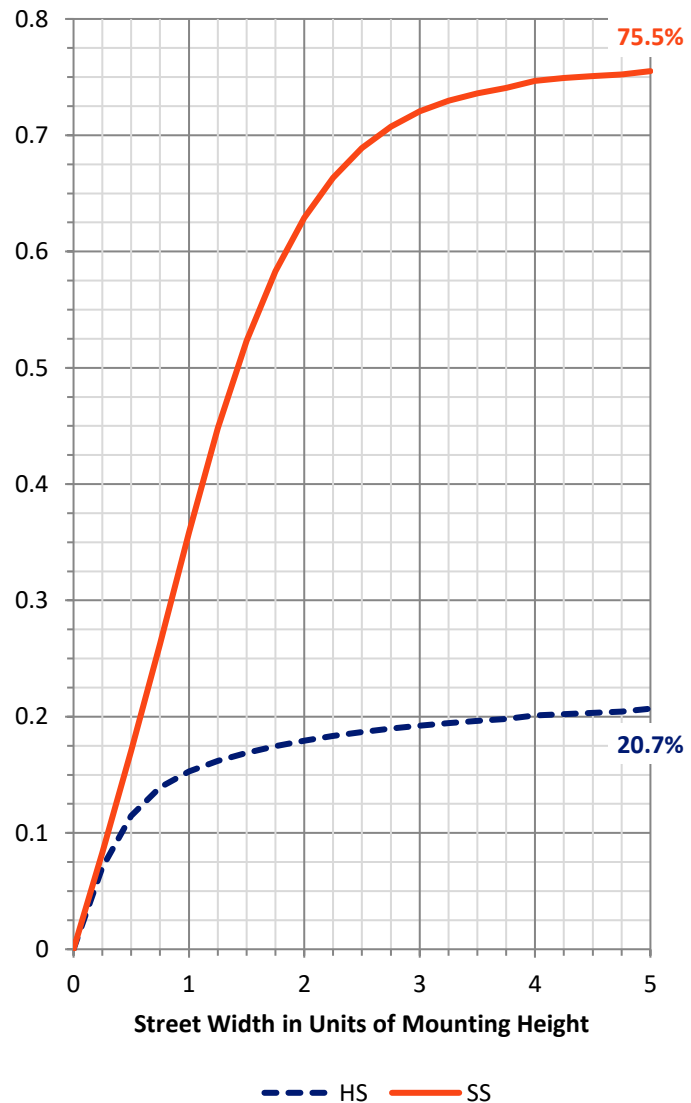
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1648.8	80.5	1729.2
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	5744.1	70.6	5814.8
	% Fixture	76.1	0.9	77.1
Total	Lumens	7392.9	151.1	7544.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	61.7	0.8
20°-30°	257.2	3.4
30°-40°	594.2	7.9
40°-50°	1043.3	13.8
50°-60°	1576.9	20.9
60°-70°	1944.3	25.8
70°-80°	1501.1	19.9
80°-90°	410.1	5.4
90°-100°	111.4	1.5
100°-110°	19.3	0.3
110°-120°	7.5	0.1
120°-130°	5.3	0.1
130°-140°	3.5	0.0
140°-150°	2.8	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7392.9	98.0
0°-180°	7544.0	100.0



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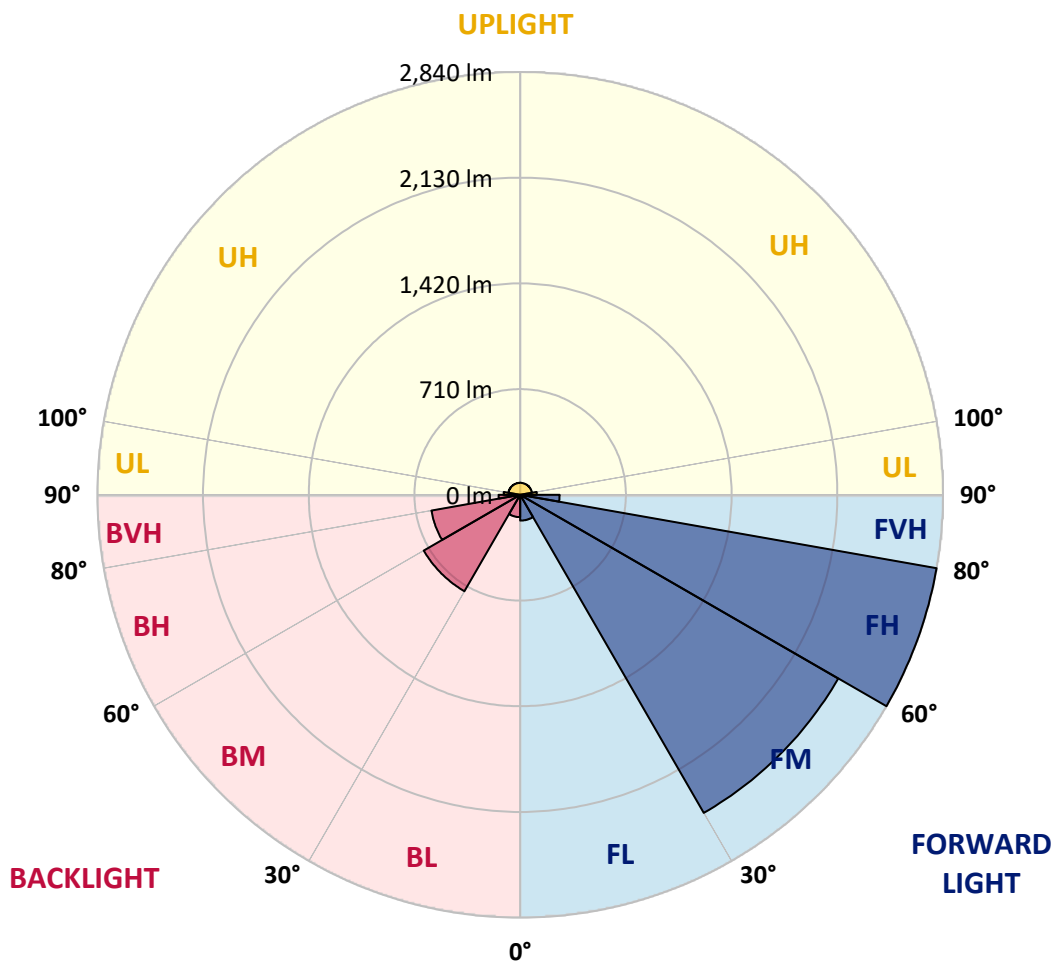
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.2	2.3			
FM	(30°-60°)	2466.6	32.7			
FH	(60°-80°)	2839.6	37.6			G2/5000
FVH	(80°-90°)	264.9	3.5			G3/500
BL	(0°-30°)	149.9	2.0	B1/500		
BM	(30°-60°)	747.8	9.9	B1/1000		
BH	(60°-80°)	605.8	8.0	B2/1000		G2/1000
BVH	(80°-90°)	145.3	1.9			G2/225
UL	(90°-100°)	111.4	1.5		U3/500	
UH	(100°-180°)	80.5	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°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	10.0	9.2	8.4	8.4	9.2	8.4	7.5	6.7	5.9	5.9	5.0
5°	93.7	91.2	90.3	72.8	33.5	25.9	11.7	9.2	7.5	5.9	5.0
7.5°	103.7	102.9	102.0	102.0	100.4	95.3	54.4	26.8	15.1	7.5	6.7
10°	118.8	117.1	112.1	109.6	107.0	105.4	97.8	92.8	41.8	12.5	10.9
12.5°	211.6	208.2	203.2	150.5	128.8	113.7	111.2	107.0	92.8	38.5	77.8
15°	227.5	226.6	223.3	220.8	214.1	142.2	172.3	196.5	222.5	181.5	202.4
17.5°	286.0	277.6	255.9	243.4	239.2	260.9	249.2	253.4	253.4	244.2	231.7
20°	427.3	421.5	410.6	362.1	272.6	336.2	329.5	280.2	288.5	357.1	414.8
22.5°	515.2	509.3	486.7	455.8	449.9	373.8	388.9	424.8	434.9	500.9	500.1
25°	699.1	688.3	639.8	548.6	560.3	482.5	542.8	534.4	508.5	552.0	567.0
27.5°	853.9	844.7	821.2	775.2	649.8	674.9	617.2	606.3	675.7	797.8	795.3
30°	1024.5	974.3	911.6	897.3	804.5	765.2	780.3	816.2	842.1	853.9	883.1
32.5°	1242.7	1236.9	1190.0	1005.2	976.0	874.8	946.7	897.3	917.4	1086.3	1186.7
35°	1394.1	1409.2	1326.4	1216.0	1077.1	1074.6	1044.5	1093.9	1190.0	1213.5	1282.9
37.5°	1747.0	1751.2	1676.8	1361.5	1271.2	1184.2	1277.9	1291.2	1318.0	1358.1	1416.7
40°	2013.0	1975.3	1883.3	1649.2	1452.6	1358.1	1425.0	1423.4	1481.9	1555.5	1592.3
42.5°	2340.8	2299.0	2134.2	1869.1	1685.1	1580.6	1587.3	1573.1	1621.6	1737.8	1760.4
45°	2615.9	2597.5	2470.4	2191.1	1941.9	1816.4	1771.3	1753.7	1778.0	1924.3	1936.9
47.5°	2876.0	2826.7	2743.9	2461.2	2314.9	2086.5	1956.9	1915.1	1922.6	2089.1	2125.9
50°	3151.1	3068.4	2966.3	2717.9	2611.7	2426.1	2170.2	2104.9	2107.5	2261.3	2324.1
52.5°	3314.2	3182.9	3116.9	2911.1	2804.1	2711.3	2393.5	2280.6	2292.3	2437.8	2533.1
55°	3213.0	3173.7	3175.4	3052.5	2973.0	2864.3	2610.1	2483.8	2497.2	2667.8	2787.4
57.5°	3042.4	3072.5	3178.7	3173.7	3129.4	3023.2	2825.8	2707.9	2784.9	2927.9	3054.1
60°	2911.1	2945.4	3117.7	3206.3	3289.1	3211.4	3049.1	2998.1	3070.0	3194.6	3346.0
62.5°	2692.0	2719.6	2956.3	3190.5	3285.0	3371.9	3261.5	3307.5	3373.6	3479.0	3663.0
65°	2392.6	2385.9	2680.3	3044.9	3257.4	3461.4	3535.0	3619.5	3679.7	3792.6	3959.8
67.5°	2038.9	2072.3	2319.9	2731.3	3149.5	3506.6	3765.0	3919.7	3957.3	4000.8	4121.2
70°	1665.1	1663.4	1880.0	2317.4	2917.8	3481.5	3983.3	4117.1	4117.9	4092.0	4127.9
72°	1269.5	1242.7	1410.0	1783.0	2534.0	3346.8	4095.3	4189.0	4158.0	4081.1	3949.8
72.5°	1089.7	1113.9	1271.2	1679.3	2361.7	3279.9	4107.0	4188.1	4154.7	4070.2	3896.3
75°	552.8	517.7	607.1	899.8	1629.1	2650.2	4022.6	4106.2	4012.5	3907.2	3416.3
77.5°	216.6	222.5	257.6	388.9	792.8	1745.3	3472.3	3654.6	3594.4	3520.0	2694.5
80°	152.2	152.2	172.3	221.6	406.4	709.2	2406.0	2671.1	2763.9	2800.7	1802.2
82.5°	110.4	112.1	131.3	154.7	290.2	340.4	1181.7	1484.4	1630.8	1767.9	1007.7
85°	102.9	102.9	105.4	103.7	207.4	242.5	429.9	633.9	732.6	858.9	407.3
87.5°	48.5	52.7	77.8	61.9	102.0	149.7	234.2	254.2	260.1	295.2	292.7
90°	31.8	31.8	25.9	26.8	50.2	121.3	188.2	192.3	184.8	216.6	272.6
92.5°	32.6	33.5	24.3	25.1	39.3	111.2	193.2	196.5	190.7	227.5	289.4
95°	30.1	30.1	20.9	21.7	30.9	85.3	193.2	196.5	179.8	226.6	289.4
97.5°	25.1	25.9	16.7	17.6	24.3	41.8	133.8	143.8	114.6	115.4	141.3
100°	21.7	21.7	13.4	14.2	17.6	19.2	67.7	71.1	63.6	28.4	19.2
102.5°	21.7	21.7	11.7	11.7	11.7	10.9	20.9	35.1	29.3	16.7	18.4
105°	20.9	21.7	10.9	9.2	9.2	8.4	10.9	13.4	13.4	13.4	19.2
107.5°	16.7	17.6	8.4	8.4	7.5	7.5	5.9	5.9	8.4	12.5	20.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.4	13.4	6.7	7.5	5.9	6.7	5.0	5.0	7.5	9.2	15.9
112.5°	7.5	7.5	5.0	5.9	5.0	5.9	5.0	5.0	5.9	7.5	10.0
115°	6.7	6.7	4.2	4.2	4.2	4.2	4.2	4.2	5.0	6.7	10.9
117.5°	6.7	6.7	4.2	4.2	4.2	3.3	3.3	4.2	4.2	6.7	10.9
120°	6.7	6.7	4.2	4.2	3.3	3.3	3.3	4.2	4.2	6.7	10.9
122.5°	7.5	6.7	4.2	3.3	3.3	3.3	3.3	3.3	4.2	5.9	10.9
125°	7.5	6.7	5.0	3.3	3.3	3.3	3.3	3.3	4.2	5.9	9.2
127.5°	7.5	7.5	5.0	3.3	3.3	3.3	3.3	3.3	3.3	5.0	8.4
130°	7.5	6.7	5.0	3.3	3.3	3.3	3.3	3.3	3.3	5.0	7.5
132.5°	6.7	6.7	5.0	3.3	4.2	3.3	3.3	3.3	3.3	4.2	5.9
135°	5.9	5.9	4.2	4.2	4.2	3.3	3.3	3.3	3.3	3.3	5.0
137.5°	5.9	5.9	5.0	4.2	4.2	4.2	3.3	3.3	3.3	3.3	4.2
140°	5.9	5.9	5.0	5.0	5.0	4.2	3.3	3.3	3.3	4.2	4.2
142.5°	6.7	6.7	5.9	5.0	5.0	4.2	3.3	3.3	4.2	4.2	4.2
145°	7.5	7.5	6.7	5.9	5.0	3.3	3.3	4.2	4.2	4.2	5.0
147.5°	7.5	7.5	6.7	5.0	4.2	3.3	3.3	4.2	4.2	5.0	5.0
150°	6.7	6.7	5.9	4.2	3.3	2.5	3.3	3.3	4.2	5.0	5.0
152.5°	5.0	5.0	4.2	3.3	2.5	1.7	2.5	3.3	3.3	4.2	5.0
155°	3.3	3.3	2.5	1.7	1.7	1.7	2.5	2.5	2.5	3.3	4.2
157.5°	1.7	1.7	0.8	0.8	1.7	1.7	1.7	2.5	2.5	2.5	3.3
160°	0.8	0.8	0.8	0.8	1.7	1.7	1.7	2.5	2.5	2.5	2.5
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.9	5.9	5.9	6.7	7.5
5°	5.0	5.0	5.0	5.0	5.9	6.7	7.5	8.4	9.2	10.0	10.0
7.5°	5.9	5.9	5.9	6.7	7.5	9.2	20.9	73.6	100.4	109.6	107.0
10°	10.9	10.9	10.0	10.0	11.7	97.8	124.6	135.5	141.3	148.0	148.0
12.5°	87.0	100.4	36.0	20.1	97.0	137.2	147.2	154.7	159.7	166.4	166.4
15°	209.9	213.3	219.1	197.4	190.7	155.6	162.2	219.9	289.4	307.8	309.4
17.5°	235.8	240.0	244.2	289.4	307.8	238.3	274.3	308.6	315.3	322.0	322.0
20°	449.9	456.6	370.5	332.0	324.5	403.9	310.3	318.6	330.3	389.7	395.6
22.5°	510.1	514.3	481.7	502.6	368.0	422.3	408.1	408.1	456.6	460.0	460.8
25°	572.0	595.4	533.6	516.8	523.5	427.3	481.7	434.9	441.6	446.6	447.4
27.5°	834.6	831.3	781.1	591.3	525.2	517.7	467.5	429.0	501.8	521.0	521.8
30°	887.3	878.9	833.8	692.4	545.3	512.6	440.7	495.9	482.5	485.0	485.9
32.5°	1220.1	1206.8	1078.8	700.8	569.5	473.3	478.4	461.6	463.3	515.2	516.8
35°	1303.8	1285.4	1105.6	810.4	542.8	480.0	442.4	463.3	471.7	469.2	469.2
37.5°	1415.8	1380.7	1097.2	761.9	564.5	449.1	423.2	437.4	432.4	464.1	462.5
40°	1537.9	1488.6	1101.4	706.7	511.8	421.5	405.6	418.1	414.8	405.6	398.9
42.5°	1693.5	1608.2	1100.6	660.7	463.3	412.3	383.0	382.2	368.0	352.9	347.9
45°	1852.4	1734.5	1103.9	608.0	426.5	404.8	370.5	350.4	337.9	322.0	317.8
47.5°	2026.3	1869.1	1113.9	566.2	398.1	382.2	354.6	330.3	321.1	301.1	299.4
50°	2232.1	2010.4	1117.3	532.7	364.6	362.1	342.9	316.1	301.9	281.8	280.2
52.5°	2453.7	2160.1	1123.1	483.4	338.7	354.6	349.6	312.8	306.9	281.0	279.3
55°	2663.6	2302.3	1121.5	424.0	327.0	347.9	349.6	334.5	325.3	282.7	279.3
57.5°	2916.1	2456.2	1096.4	368.8	308.6	337.9	366.3	353.8	343.7	308.6	301.9
60°	3141.9	2615.1	1021.9	326.2	292.7	327.0	380.5	368.0	339.5	317.0	310.3
62.5°	3406.2	2752.2	918.2	295.2	286.8	330.3	385.5	377.2	342.0	334.5	332.0
65°	3585.2	2804.1	761.0	270.1	286.0	330.3	383.9	385.5	360.4	368.0	367.1
67.5°	3606.9	2737.2	577.0	250.9	276.0	330.3	381.3	402.3	377.2	408.1	409.8
70°	3502.4	2569.9	420.7	231.7	265.1	326.2	382.2	413.1	389.7	438.2	434.9
72°	3261.5	2316.5	340.4	219.1	255.9	319.5	388.0	419.0	400.6	445.7	438.2
72.5°	3198.8	2238.8	325.3	217.4	254.2	318.6	389.7	420.7	401.4	453.3	444.1
75°	2677.0	1783.0	279.3	204.9	256.7	314.4	398.1	419.8	406.4	458.3	460.0
77.5°	2028.0	1201.8	247.5	194.0	255.9	306.9	395.6	413.1	398.9	440.7	449.9
80°	1255.3	699.1	219.9	193.2	254.2	303.6	384.7	395.6	378.0	411.5	414.0
82.5°	686.6	408.9	190.7	189.8	246.7	294.4	363.8	375.5	358.8	395.6	369.6
85°	351.2	277.6	143.0	155.6	215.8	276.8	339.5	338.7	322.0	335.4	317.0
87.5°	271.0	218.3	92.8	112.1	176.5	228.3	279.3	276.8	255.1	256.7	249.2
90°	249.2	194.9	61.0	79.4	147.2	163.9	194.0	186.5	171.4	174.8	172.3
92.5°	250.9	192.3	58.5	84.5	141.3	147.2	178.1	168.9	153.9	155.6	150.5
95°	245.0	184.8	58.5	74.4	117.1	104.5	128.0	124.6	112.1	106.2	103.7
97.5°	117.1	92.0	54.4	55.2	66.1	56.9	77.8	83.6	66.9	53.5	53.5
100°	20.1	30.9	47.7	56.0	47.7	36.0	49.3	56.9	38.5	17.6	19.2
102.5°	20.1	19.2	36.8	47.7	34.3	19.2	28.4	37.6	24.3	13.4	14.2
105°	21.7	20.1	17.6	32.6	20.1	10.0	10.9	19.2	13.4	13.4	13.4
107.5°	23.4	21.7	12.5	12.5	10.0	9.2	8.4	7.5	9.2	13.4	14.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.6	17.6	11.7	10.0	9.2	9.2	6.7	6.7	9.2	14.2	14.2
112.5°	12.5	12.5	10.0	8.4	7.5	9.2	6.7	6.7	8.4	14.2	15.1
115°	12.5	12.5	9.2	7.5	6.7	7.5	6.7	5.9	8.4	14.2	15.1
117.5°	12.5	12.5	9.2	6.7	5.9	5.9	5.0	5.9	8.4	14.2	15.1
120°	12.5	12.5	9.2	6.7	5.9	5.0	5.0	5.0	8.4	14.2	15.1
122.5°	11.7	11.7	8.4	5.9	5.0	4.2	4.2	5.0	7.5	13.4	14.2
125°	10.9	10.9	7.5	5.9	5.0	4.2	4.2	4.2	7.5	12.5	13.4
127.5°	10.0	10.0	7.5	5.0	4.2	4.2	4.2	4.2	6.7	11.7	12.5
130°	8.4	8.4	6.7	5.0	4.2	3.3	4.2	4.2	6.7	10.9	10.9
132.5°	6.7	6.7	5.0	4.2	4.2	3.3	3.3	4.2	5.9	9.2	10.0
135°	5.0	5.0	5.0	4.2	4.2	3.3	3.3	3.3	5.0	7.5	8.4
137.5°	4.2	5.0	4.2	4.2	4.2	3.3	3.3	3.3	5.0	6.7	6.7
140°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	3.3	5.0	5.9	6.7
142.5°	4.2	5.0	4.2	4.2	4.2	3.3	3.3	4.2	5.0	6.7	6.7
145°	5.0	5.0	5.0	4.2	4.2	2.5	2.5	4.2	5.0	6.7	6.7
147.5°	5.0	5.0	5.0	4.2	3.3	2.5	2.5	3.3	5.0	6.7	6.7
150°	5.0	5.0	5.0	4.2	3.3	1.7	1.7	3.3	4.2	5.9	6.7
152.5°	5.0	5.0	4.2	4.2	2.5	1.7	0.8	2.5	3.3	5.0	5.0
155°	4.2	4.2	4.2	3.3	2.5	0.8	0.0	0.8	2.5	4.2	4.2
157.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.8	0.8	2.5	2.5
160°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.8	1.7	1.7
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)