

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: P414005

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6959 lumens
Efficiency: N/A
Efficacy: 72.5 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): 96
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

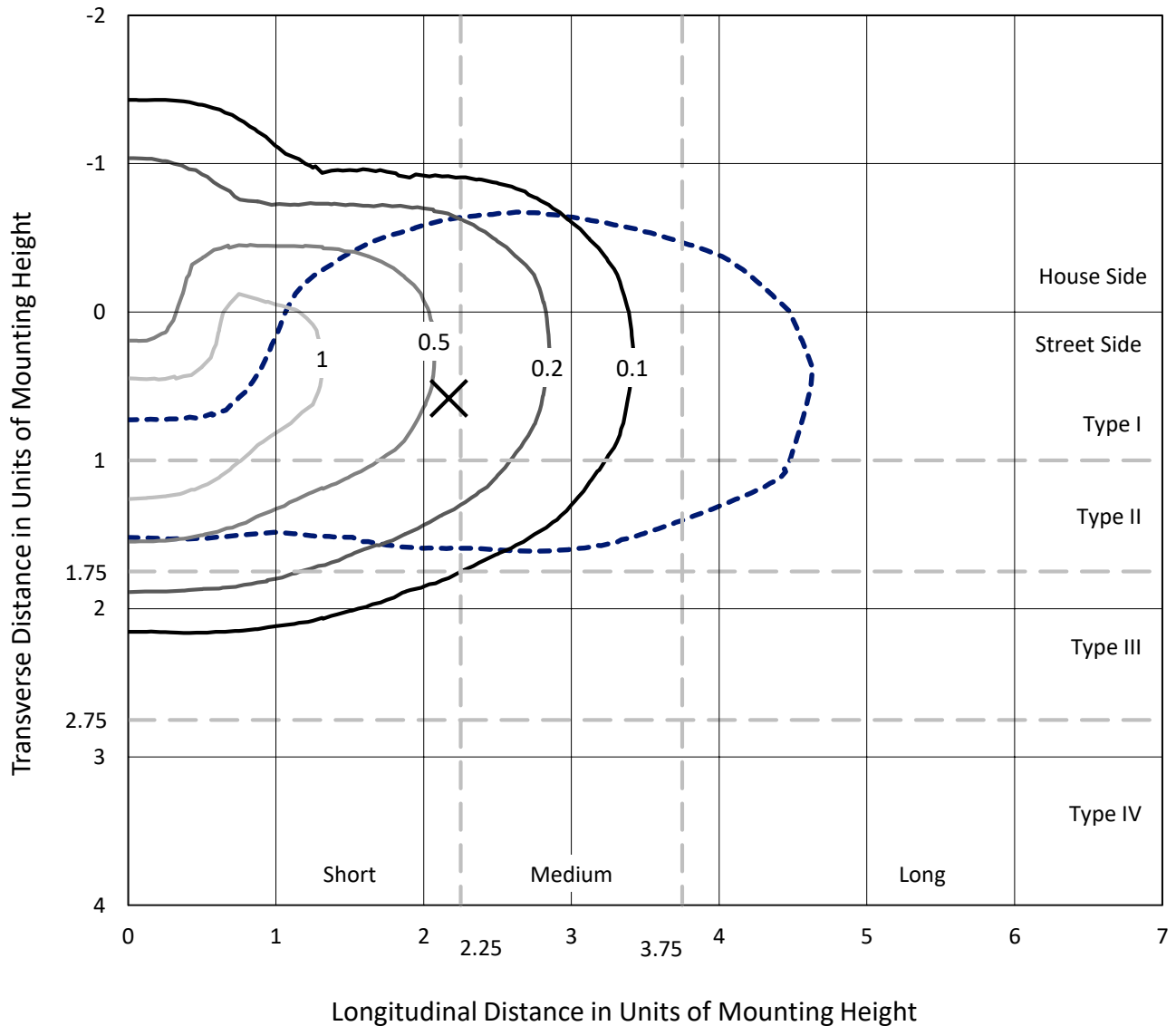


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

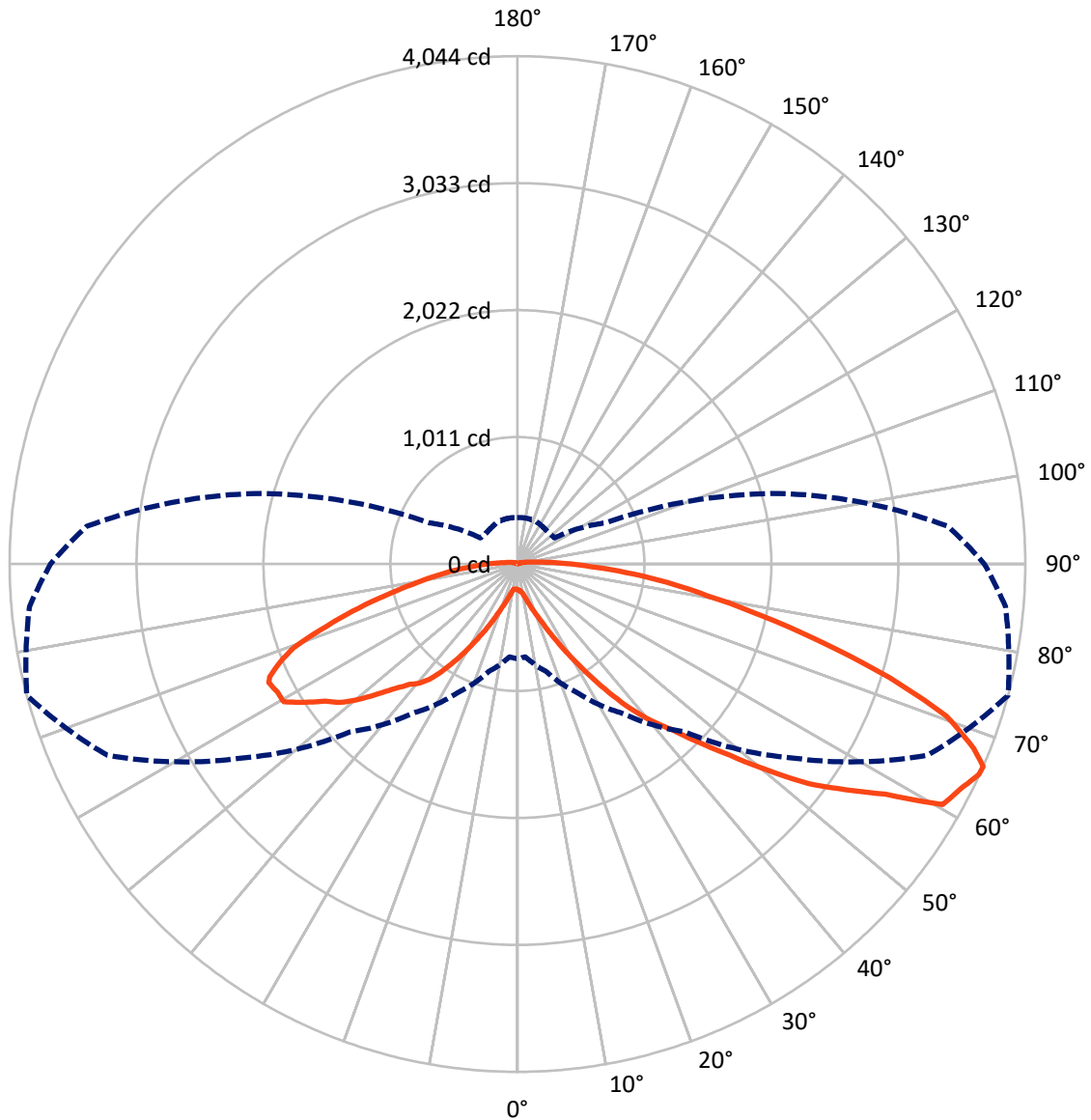


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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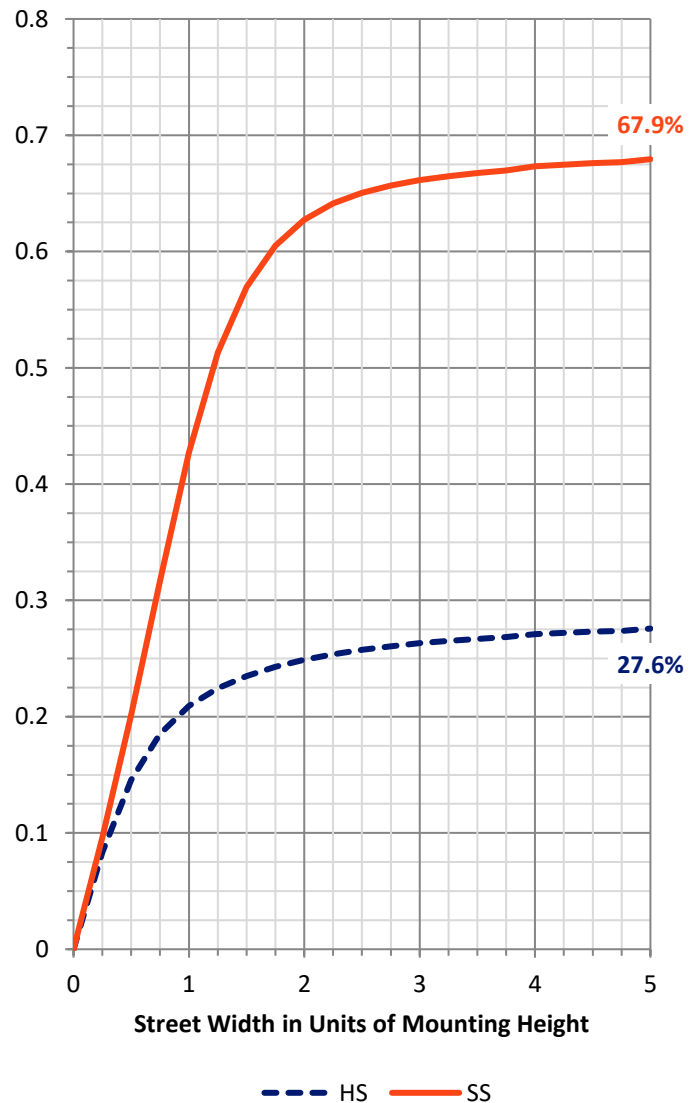
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.5	96.5	2073.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	4790.6	95.4	4886.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	6767.1	191.9	6959.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.3
10°-20°	87.4	1.3
20°-30°	265.2	3.8
30°-40°	656.0	9.4
40°-50°	1184.6	17.0
50°-60°	1600.7	23.0
60°-70°	1606.8	23.1
70°-80°	970.5	13.9
80°-90°	375.2	5.4
90°-100°	111.4	1.6
100°-110°	40.2	0.6
110°-120°	19.5	0.3
120°-130°	11.5	0.2
130°-140°	6.8	0.1
140°-150°	2.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6767.1	97.2
0°-180°	6959.0	100.0



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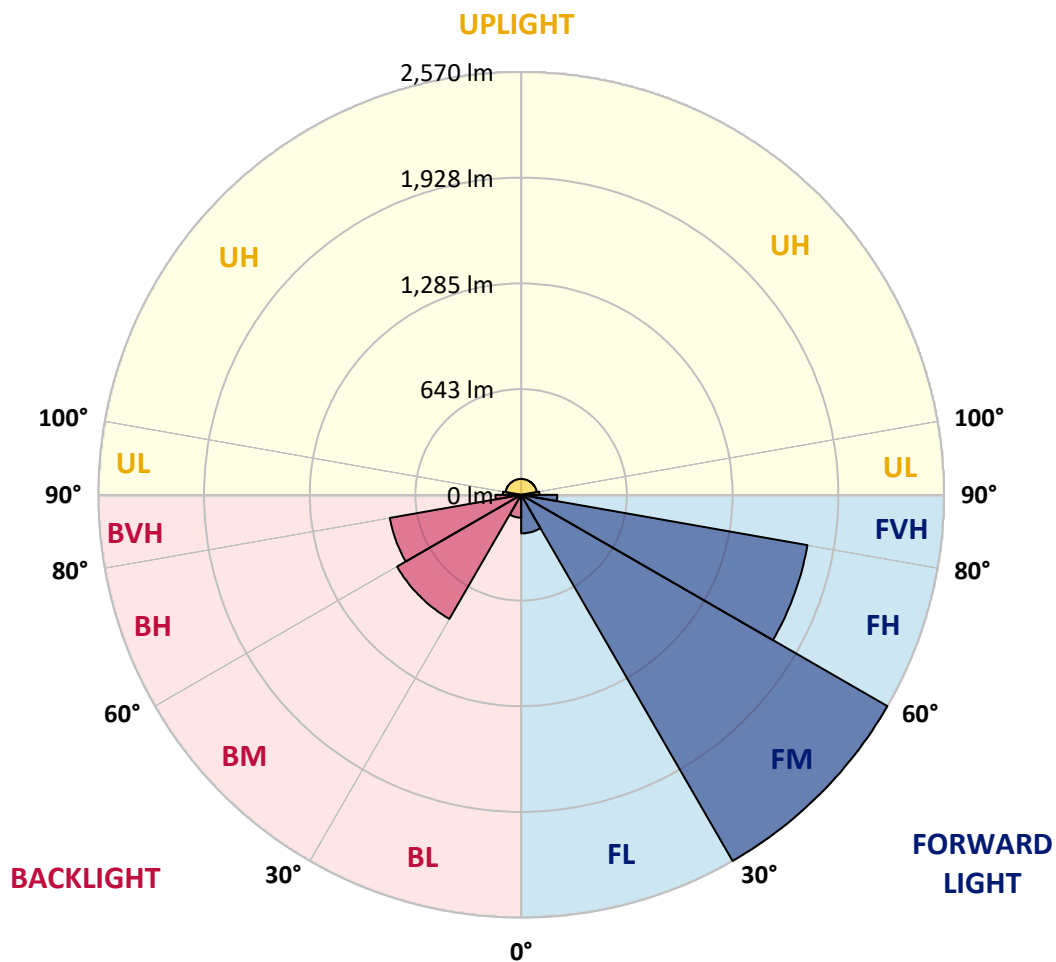
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.4	3.4			
FM (30°-60°)	2570.1	36.9			
FH (60°-80°)	1766.9	25.4			G1/1800
FVH (80°-90°)	219.1	3.1			G2/225
BL (0°-30°)	138.9	2.0	B1/500		
BM (30°-60°)	871.2	12.5	B1/1000		
BH (60°-80°)	810.3	11.6	B2/1000		G2/1000
BVH (80°-90°)	156.1	2.2			G2/225
UL (90°-100°)	111.4	1.6		U3/500	
UH (100°-180°)	96.5	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°	75°	76°	85°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	226.3	224.7	223.1	221.5	219.9	218.3	215.1	211.1	207.9	207.9	204.6
5°	247.2	245.6	243.2	240.0	236.7	233.5	227.1	220.7	214.3	214.3	208.7
7.5°	272.9	272.1	268.8	264.8	257.6	250.4	242.4	232.7	223.9	223.1	215.9
10°	305.8	304.2	299.3	293.7	285.7	276.1	264.8	252.8	240.0	239.2	230.3
12.5°	351.5	348.3	340.3	331.4	316.2	306.6	293.7	282.5	272.9	270.5	258.4
15°	410.9	406.9	398.1	382.8	362.7	345.1	337.9	325.8	315.4	312.2	300.9
17.5°	487.1	483.1	467.9	443.8	422.9	405.3	389.2	377.2	368.4	367.6	351.5
20°	591.5	581.8	557.0	523.2	496.0	474.3	451.8	438.2	429.4	426.1	416.5
22.5°	719.9	717.5	682.1	638.0	593.1	553.7	528.9	513.6	507.2	508.0	502.4
25°	883.6	876.4	842.7	778.5	711.0	661.3	626.8	617.1	616.3	610.7	608.3
27.5°	1058.5	1048.9	1004.8	943.0	853.9	786.5	748.0	737.5	739.9	733.5	738.3
30°	1272.8	1268.0	1203.8	1113.9	1017.6	929.3	889.2	880.4	886.0	894.0	889.2
32.5°	1537.6	1544.9	1457.4	1336.2	1201.4	1099.5	1055.3	1052.1	1060.1	1058.5	1056.1
35°	1860.3	1873.1	1751.9	1605.1	1419.7	1298.5	1243.1	1239.1	1255.2	1253.5	1255.2
37.5°	2205.3	2211.0	2112.2	1879.5	1663.6	1495.9	1450.2	1445.3	1460.6	1451.8	1442.9
40°	2477.4	2503.9	2388.3	2188.5	1906.8	1735.9	1680.5	1654.0	1640.4	1630.7	1566.5
42.5°	2735.0	2719.0	2637.1	2414.8	2156.4	1970.2	1896.4	1846.6	1802.5	1796.1	1725.4
45°	2903.5	2883.5	2805.6	2600.2	2357.8	2203.7	2135.5	2075.3	2025.6	2003.1	1918.0
47.5°	2913.2	2903.5	2885.1	2731.0	2519.1	2385.1	2362.6	2330.5	2276.0	2276.8	2167.6
50°	2766.3	2751.1	2804.8	2746.2	2599.4	2528.8	2613.8	2649.1	2579.3	2572.1	2458.9
52.5°	2506.3	2498.3	2596.2	2654.0	2601.8	2629.1	2831.3	2959.7	2905.1	2876.3	2730.2
55°	2243.1	2252.7	2337.8	2430.9	2516.7	2658.0	3023.9	3279.9	3172.4	3153.1	2971.0
57.5°	1884.3	1916.4	2043.2	2189.3	2324.1	2617.8	3125.0	3483.0	3455.7	3448.5	3292.8
60°	1491.1	1487.9	1675.7	1888.3	2109.8	2485.4	3130.7	3738.2	3889.8	3855.3	3635.4
62.5°	1158.0	1166.1	1300.9	1567.3	1864.3	2284.0	3053.6	3852.1	3953.2	3913.9	3722.1
65°	838.6	851.5	1016.0	1231.1	1566.5	2011.9	2834.5	3697.2	4039.1	4015.0	3906.7
66°	753.6	742.3	886.8	1130.8	1449.4	1891.6	2696.5	3603.3	4043.9	4030.3	3901.1
67.5°	605.9	620.4	731.9	944.6	1260.8	1699.8	2446.9	3453.3	3918.7	3900.3	3813.6
70°	448.6	462.3	538.5	708.6	956.6	1355.5	2023.2	2983.0	3623.4	3637.0	3627.4
72.5°	332.2	346.7	398.9	521.6	707.8	1008.0	1603.4	2514.3	3098.6	3130.7	3108.2
75°	258.4	264.0	307.4	393.2	517.6	710.2	1186.1	1948.5	2522.3	2581.7	2602.6
77.5°	207.9	212.7	248.0	303.4	387.6	518.4	831.4	1452.6	1996.7	2038.4	2077.7
80°	167.7	170.9	199.8	244.0	296.9	370.8	561.0	1055.3	1532.0	1556.1	1613.9
82.5°	134.8	137.2	158.1	195.8	237.5	281.7	398.9	736.7	1203.0	1225.5	1298.5
85°	105.9	107.5	126.0	155.7	191.0	223.1	288.1	520.8	866.7	887.6	975.9
87.5°	83.5	85.1	99.5	121.2	154.1	176.6	212.7	350.7	585.0	614.7	715.1
90°	65.8	66.6	77.0	93.9	119.6	143.7	166.9	244.8	390.0	406.9	463.1
92.5°	49.8	50.6	58.6	71.4	93.1	114.0	127.6	169.3	249.6	256.8	296.9
95°	36.9	37.7	44.1	52.2	69.8	89.1	98.7	118.8	157.3	166.9	177.4
97.5°	28.9	29.7	33.7	38.5	51.4	69.8	78.6	87.5	107.5	110.7	118.8
100°	24.9	24.9	27.3	30.5	38.5	54.6	61.8	69.0	81.1	81.1	85.9
102.5°	20.9	20.9	22.5	24.1	31.3	43.3	49.8	54.6	61.0	61.8	65.8
105°	18.5	18.5	19.3	20.9	26.5	35.3	40.9	43.3	47.3	47.3	49.0
107.5°	16.1	16.1	16.9	17.7	23.3	29.7	32.9	33.7	35.3	35.3	37.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	15.2	15.2	15.2	16.1	20.1	25.7	27.3	26.5	27.3	27.3	29.7
112.5°	14.4	13.6	13.6	14.4	18.5	22.5	22.5	21.7	21.7	21.7	24.1
115°	13.6	13.6	12.8	13.6	16.9	19.3	19.3	17.7	17.7	17.7	20.1
117.5°	13.6	13.6	12.8	12.8	15.2	17.7	16.9	15.2	14.4	15.2	17.7
120°	13.6	13.6	12.0	12.0	14.4	15.2	15.2	12.8	12.8	12.8	15.2
122.5°	13.6	13.6	12.0	12.0	13.6	14.4	13.6	11.2	11.2	11.2	13.6
125°	14.4	13.6	12.0	12.0	12.8	12.8	12.0	10.4	9.6	9.6	12.0
127.5°	14.4	14.4	12.8	12.0	12.0	12.0	11.2	9.6	8.8	8.8	11.2
130°	16.1	15.2	13.6	12.0	11.2	10.4	9.6	8.8	8.8	8.8	10.4
132.5°	16.1	16.1	13.6	11.2	10.4	9.6	8.8	7.2	8.0	8.0	9.6
135°	15.2	14.4	12.0	10.4	9.6	8.0	7.2	6.4	7.2	7.2	8.8
137.5°	13.6	12.8	11.2	8.8	8.0	6.4	5.6	4.8	5.6	5.6	7.2
140°	11.2	11.2	8.8	7.2	6.4	5.6	4.8	3.2	4.0	4.8	5.6
142.5°	9.6	8.8	7.2	5.6	4.8	4.0	3.2	2.4	3.2	3.2	4.0
145°	8.0	7.2	5.6	4.0	3.2	2.4	1.6	1.6	1.6	1.6	2.4
147.5°	6.4	5.6	4.0	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
150°	4.8	4.8	3.2	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	4.0	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
155°	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.0	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°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	203.8	202.2	200.6	199.0	197.4	196.6	194.2	192.6	192.6	192.6	191.8
5°	206.2	203.0	199.0	195.8	191.8	188.6	186.2	183.8	182.2	182.2	182.2
7.5°	211.9	208.7	201.4	195.0	189.4	184.6	181.4	179.0	178.2	177.4	177.4
10°	224.7	219.1	209.5	199.8	191.8	185.4	182.2	180.6	179.8	179.8	179.8
12.5°	253.6	245.6	231.1	215.1	201.4	191.8	188.6	188.6	193.4	195.8	195.8
15°	292.1	284.9	268.0	245.6	223.9	207.9	205.4	211.1	217.5	220.7	219.9
17.5°	345.1	335.5	313.0	283.3	254.4	238.4	231.1	236.7	244.8	248.8	248.8
20°	407.7	398.1	367.6	327.4	292.1	274.5	263.2	263.2	273.7	276.9	278.5
22.5°	493.6	479.1	435.8	380.4	334.7	307.4	293.7	291.3	303.4	309.0	307.4
25°	589.9	578.6	528.1	445.4	386.0	341.9	323.4	323.4	338.7	351.5	352.3
27.5°	724.7	696.6	626.0	524.9	435.8	374.0	353.9	357.9	374.0	386.8	386.8
30°	865.9	845.9	742.3	609.1	483.9	403.7	374.8	381.2	395.6	410.1	410.1
32.5°	1036.9	1003.2	875.6	692.6	528.1	422.9	386.0	394.8	411.7	426.1	426.1
35°	1203.8	1176.5	1009.6	780.1	566.6	431.0	390.8	401.3	420.5	438.2	439.8
37.5°	1398.0	1338.6	1140.4	858.7	594.7	432.6	389.2	407.7	433.4	453.4	454.2
40°	1514.4	1442.9	1228.7	917.3	607.5	426.9	389.2	412.5	434.2	441.4	440.6
42.5°	1652.4	1562.5	1290.5	924.5	591.5	415.7	388.4	406.9	416.5	416.5	415.7
45°	1837.8	1736.7	1388.4	928.5	558.6	402.1	382.0	394.0	391.6	384.4	382.0
47.5°	2064.9	1942.1	1512.8	943.0	526.5	388.4	374.8	378.0	366.8	350.7	349.9
50°	2336.2	2191.7	1658.8	958.2	498.4	377.2	368.4	365.1	353.9	340.3	338.7
52.5°	2590.6	2416.4	1791.2	968.6	475.1	370.0	363.5	362.7	351.5	333.9	332.2
55°	2820.9	2612.2	1880.3	948.6	454.2	366.8	363.5	364.3	349.9	332.2	329.8
57.5°	3153.9	2925.2	2021.6	918.9	429.4	366.0	366.0	366.8	349.1	332.2	329.8
60°	3443.6	3189.2	2160.4	916.5	405.3	365.1	366.8	366.0	353.1	342.7	340.3
62.5°	3543.2	3300.8	2166.8	858.7	390.0	361.1	363.5	367.6	365.1	360.3	357.9
65°	3730.9	3466.1	2194.1	793.7	368.4	353.9	359.5	370.0	371.6	368.4	366.0
66°	3717.3	3442.8	2167.6	773.6	361.1	349.9	357.1	368.4	371.6	370.8	369.2
67.5°	3649.9	3382.6	2080.1	716.7	350.7	342.7	353.1	364.3	371.6	374.0	372.4
70°	3467.7	3201.3	1906.0	630.8	330.6	325.8	340.3	354.7	366.8	370.8	370.0
72.5°	2954.9	2701.3	1594.6	538.5	302.6	301.7	318.6	336.3	350.7	354.7	353.1
75°	2480.6	2231.0	1309.7	443.8	273.7	274.5	290.5	307.4	318.6	318.6	319.4
77.5°	1988.7	1777.6	1037.7	368.4	244.0	244.0	255.2	268.8	276.1	272.9	268.0
80°	1529.6	1390.0	810.6	308.2	214.3	212.7	218.3	228.7	234.3	227.1	221.5
82.5°	1235.1	1114.7	641.2	256.8	185.4	183.8	186.2	193.4	196.6	188.6	186.2
85°	937.4	829.0	482.3	211.1	160.5	156.5	160.5	162.1	166.1	158.9	154.1
87.5°	662.9	587.4	349.9	175.8	137.2	134.8	134.0	135.6	138.0	133.2	130.8
90°	445.4	390.8	252.8	146.9	117.2	113.2	111.6	111.6	113.2	105.1	102.7
92.5°	285.7	252.8	175.8	117.2	97.9	93.1	89.9	90.7	89.9	81.9	80.3
95°	178.2	161.3	126.8	92.3	78.6	74.6	71.4	70.6	69.8	64.2	62.6
97.5°	116.4	110.7	94.7	73.0	62.6	59.4	57.8	57.0	57.0	53.0	50.6
100°	86.7	84.3	74.6	61.0	51.4	49.0	47.3	47.3	49.0	45.7	44.1
102.5°	67.4	68.2	61.0	51.4	43.3	41.7	40.1	40.1	41.7	40.1	39.3
105°	51.4	51.4	49.8	42.5	36.9	36.1	34.5	34.5	36.1	36.1	36.1
107.5°	40.1	41.7	40.1	35.3	32.1	31.3	29.7	29.7	31.3	32.1	32.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.1	33.7	32.9	30.5	28.1	27.3	25.7	24.9	26.5	28.9	28.9
112.5°	25.7	27.3	27.3	25.7	24.1	24.1	22.5	21.7	23.3	25.7	25.7
115°	21.7	23.3	23.3	22.5	21.7	20.9	19.3	18.5	20.1	22.5	23.3
117.5°	18.5	20.1	20.1	20.1	19.3	18.5	16.9	16.1	16.9	19.3	20.1
120°	16.9	17.7	17.7	17.7	16.9	16.9	15.2	14.4	15.2	17.7	17.7
122.5°	14.4	15.2	16.1	16.1	15.2	15.2	13.6	12.0	12.8	15.2	16.1
125°	12.8	13.6	14.4	14.4	13.6	13.6	12.0	11.2	12.0	13.6	14.4
127.5°	12.0	12.8	12.8	12.8	12.8	12.0	10.4	9.6	10.4	12.8	12.8
130°	11.2	12.0	12.0	12.0	11.2	10.4	9.6	8.8	9.6	12.0	12.0
132.5°	10.4	11.2	11.2	10.4	10.4	9.6	8.0	7.2	8.8	10.4	10.4
135°	8.8	9.6	9.6	9.6	8.8	8.0	7.2	6.4	8.0	8.8	8.8
137.5°	7.2	8.0	8.0	8.0	7.2	6.4	5.6	5.6	6.4	8.0	8.0
140°	5.6	6.4	6.4	6.4	5.6	5.6	4.8	4.0	5.6	6.4	6.4
142.5°	4.0	4.8	4.8	4.8	4.0	4.0	3.2	3.2	4.8	5.6	5.6
145°	2.4	3.2	3.2	3.2	3.2	2.4	2.4	2.4	3.2	4.0	4.0
147.5°	1.6	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	3.2	3.2
150°	0.8	1.6	1.6	1.6	1.6	0.8	0.0	0.8	1.6	2.4	2.4
152.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8
155°	0.0	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.0
157.5°	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)