

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: P416919

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - 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

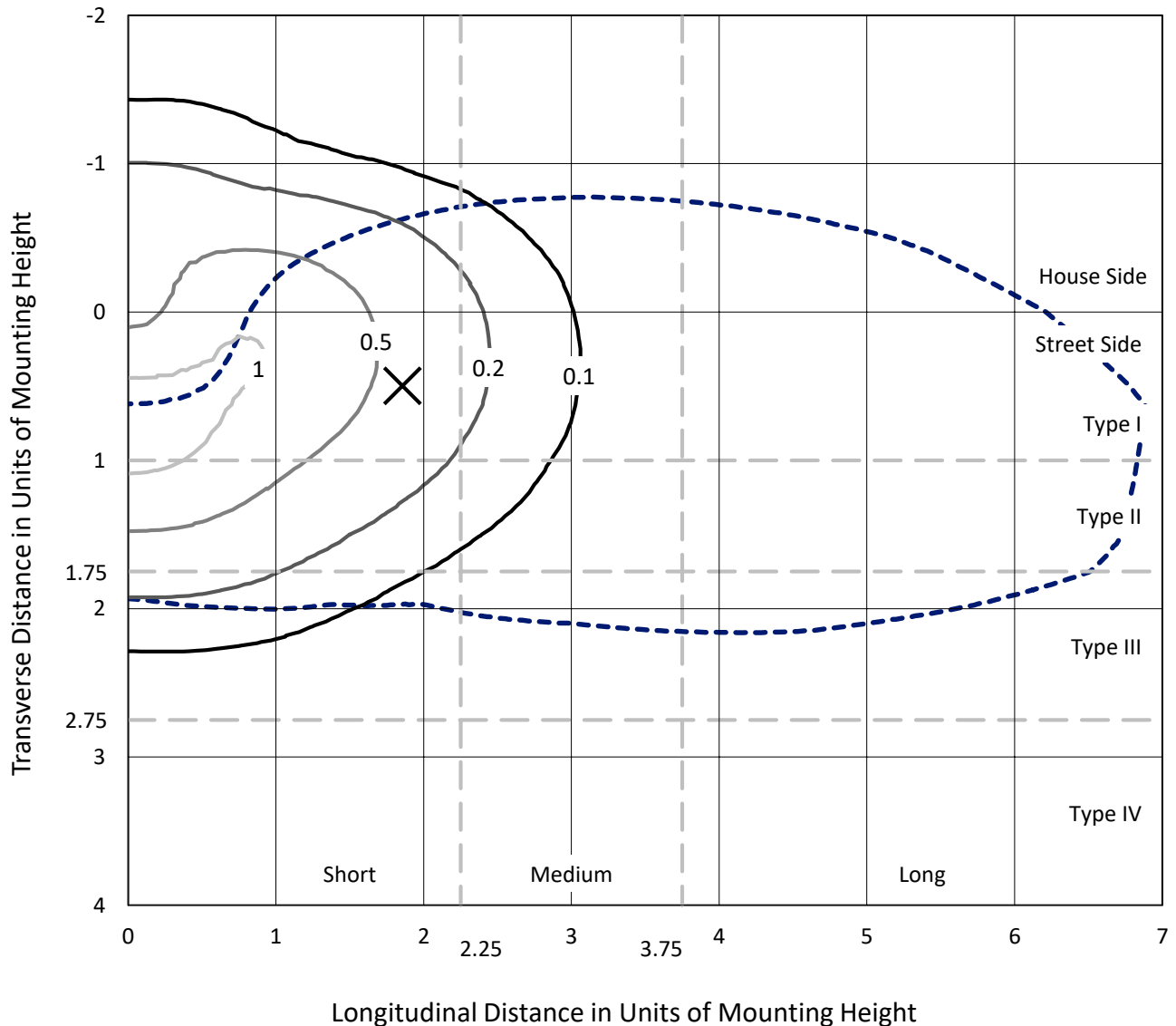


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

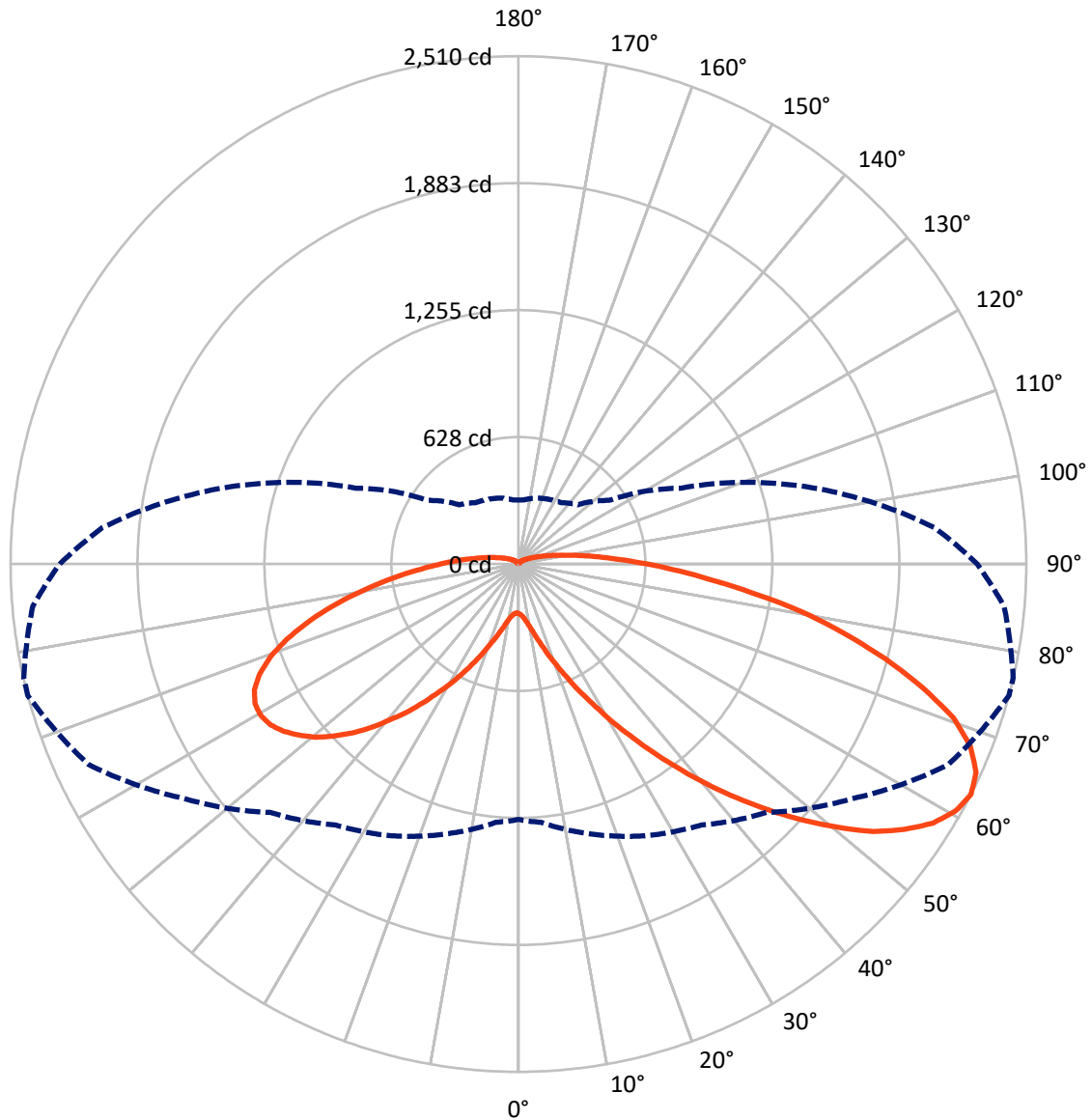


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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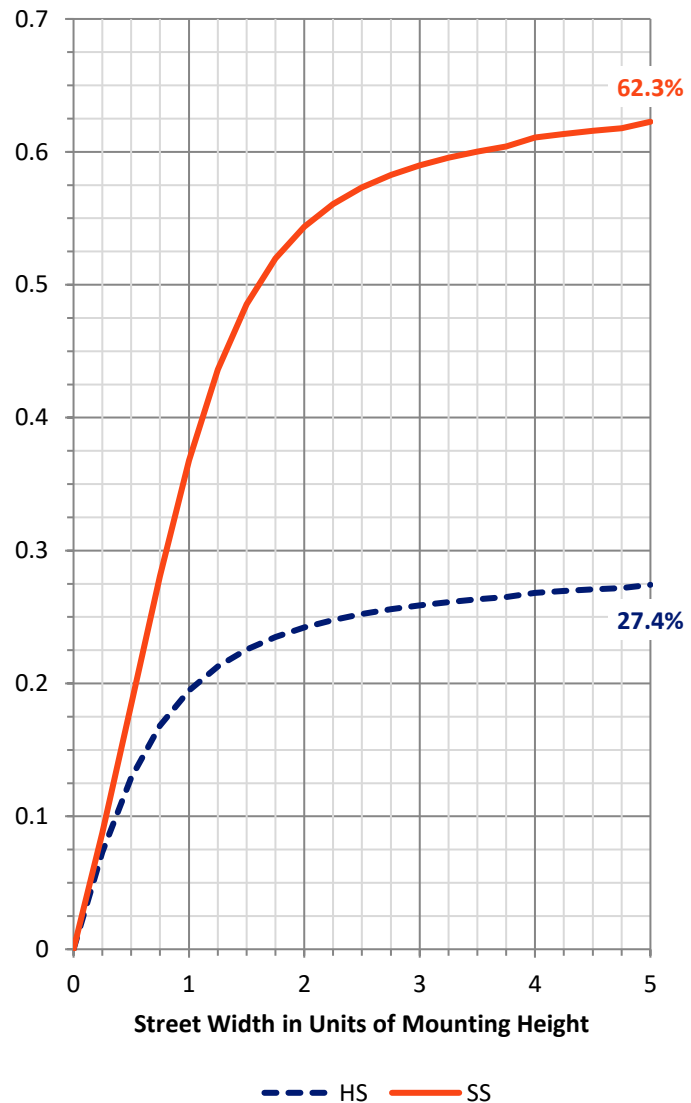
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.9	189.5	1971.4
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3999.5	260.1	4259.6
	% Fixture	64.2	4.2	68.4
Total	Lumens	5781.4	449.6	6231.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.4
10°-20°	108.4	1.7
20°-30°	280.6	4.5
30°-40°	574.1	9.2
40°-50°	952.1	15.3
50°-60°	1235.2	19.8
60°-70°	1216.5	19.5
70°-80°	893.9	14.3
80°-90°	494.7	7.9
90°-100°	233.7	3.7
100°-110°	111.6	1.8
110°-120°	57.0	0.9
120°-130°	29.5	0.5
130°-140°	13.5	0.2
140°-150°	4.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5781.4	92.8
0°-180°	6231.0	100.0



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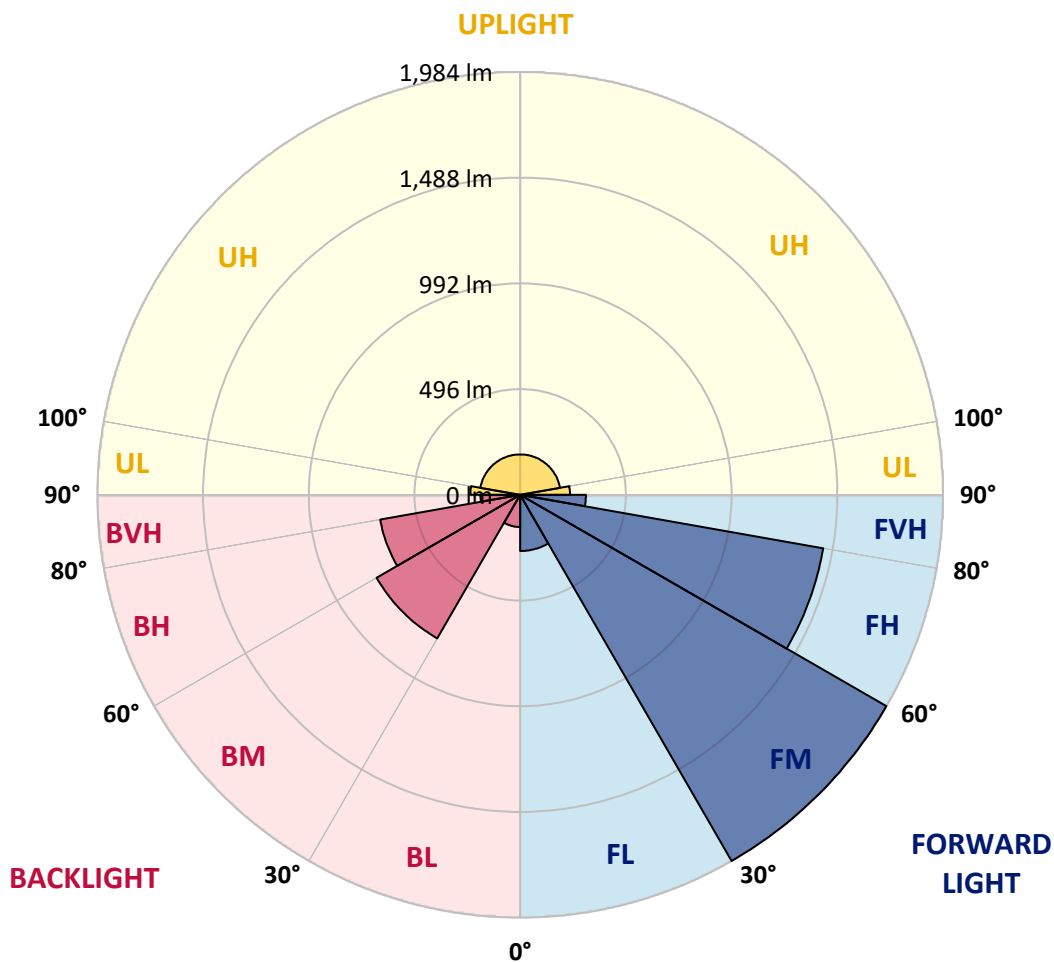
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	4.2			
FM	(30°-60°)	1983.6	31.8			
FH	(60°-80°)	1443.9	23.2			G1/1800
FVH	(80°-90°)	308.3	4.9			G3/500
BL	(0°-30°)	151.2	2.4	B1/500		
BM	(30°-60°)	777.8	12.5	B1/1000		
BH	(60°-80°)	666.6	10.7	B2/1000		G2/1000
BVH	(80°-90°)	186.4	3.0			G2/225
UL	(90°-100°)	233.7	3.7		U3/500	
UH	(100°-180°)	189.5	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	272.7	270.5	269.0	266.8	265.4	262.4	259.5	255.1	251.4	250.7	247.7
5°	301.4	297.7	297.7	294.0	288.9	285.2	279.3	272.0	266.1	262.4	259.5
7.5°	338.1	335.2	331.5	328.6	323.4	316.8	308.7	299.2	287.4	285.2	277.9
10°	379.3	377.8	374.9	369.0	362.4	353.6	342.6	330.8	317.6	315.4	302.9
12.5°	433.7	433.7	429.3	421.2	411.7	395.5	385.9	373.4	358.0	355.8	338.1
15°	500.6	497.7	491.8	477.8	466.8	453.6	441.8	425.6	405.0	401.4	385.2
17.5°	574.1	568.2	565.3	552.1	537.4	521.2	505.0	487.4	464.6	458.7	439.6
20°	656.5	660.1	649.1	634.4	612.3	596.2	577.8	555.0	530.0	525.6	502.8
22.5°	760.1	757.2	741.7	721.1	699.8	682.2	658.7	635.9	602.1	597.6	571.2
25°	874.8	871.8	852.0	826.3	802.0	770.4	743.2	718.9	691.0	684.4	652.8
27.5°	987.2	1002.0	971.8	940.2	911.5	876.2	843.9	813.0	781.4	776.3	743.2
30°	1140.9	1144.6	1109.3	1065.9	1026.9	982.8	949.0	921.1	893.9	877.0	846.8
32.5°	1301.1	1289.4	1261.4	1208.5	1146.8	1097.5	1060.0	1034.3	1008.6	999.7	955.6
35°	1459.9	1459.9	1416.6	1345.2	1264.4	1214.4	1177.6	1162.2	1138.7	1124.7	1075.5
37.5°	1615.8	1613.6	1569.5	1485.7	1402.6	1334.2	1310.7	1293.1	1276.9	1262.9	1202.6
40°	1769.4	1765.7	1712.8	1631.2	1534.2	1463.6	1444.5	1447.4	1428.3	1409.2	1348.9
42.5°	1892.9	1891.4	1849.5	1767.9	1651.8	1589.3	1570.2	1587.8	1579.0	1560.6	1490.1
45°	1991.4	1984.8	1951.7	1868.6	1763.5	1697.4	1702.5	1745.1	1734.9	1726.0	1638.6
47.5°	2032.6	2031.8	2013.5	1941.4	1844.4	1798.1	1827.5	1887.0	1890.7	1883.3	1785.6
50°	2021.5	2024.5	2023.0	1978.9	1899.5	1876.0	1932.6	2034.0	2045.8	2038.5	1937.7
52.5°	1956.9	1958.3	1982.6	1963.5	1918.6	1925.2	2026.0	2156.1	2197.2	2177.4	2072.3
55°	1820.1	1838.5	1886.3	1897.3	1891.4	1936.3	2081.8	2253.1	2315.6	2309.0	2189.1
57.5°	1679.0	1670.2	1738.5	1791.5	1822.3	1906.9	2100.2	2322.2	2416.3	2407.5	2293.5
60°	1473.2	1486.4	1570.2	1645.9	1711.3	1836.3	2083.3	2359.0	2481.7	2476.6	2370.0
62.5°	1262.9	1282.0	1381.3	1482.0	1575.3	1736.3	2020.1	2345.0	2510.4	2509.7	2410.4
65°	1065.2	1085.8	1176.9	1298.9	1418.0	1601.1	1909.8	2285.4	2486.1	2487.6	2403.1
67.5°	889.5	900.5	996.1	1130.6	1246.7	1442.3	1767.9	2167.8	2409.7	2417.8	2344.3
70°	732.9	741.0	833.6	953.4	1088.0	1265.1	1595.9	2017.1	2281.8	2284.7	2238.4
72.5°	601.3	608.7	697.6	804.2	928.4	1110.0	1418.8	1811.3	2089.2	2118.6	2075.2
75°	480.8	495.5	571.9	675.6	786.6	948.3	1231.3	1590.0	1873.1	1898.0	1891.4
77.5°	391.8	411.7	472.7	561.6	663.8	804.2	1043.9	1371.7	1644.4	1665.0	1670.2
80°	316.1	330.8	391.8	470.5	557.2	679.2	872.6	1158.5	1414.3	1416.6	1414.3
82.5°	256.6	267.6	322.0	393.3	469.7	571.2	731.4	966.7	1160.0	1183.5	1187.9
85°	208.8	216.9	263.9	327.9	392.5	478.6	603.5	789.5	942.4	966.7	958.6
87.5°	167.6	178.6	216.1	270.5	330.8	399.2	502.1	638.8	760.8	771.1	769.7
90°	137.5	141.1	178.6	224.9	279.3	331.5	410.2	514.6	605.7	624.1	611.6
92.5°	111.0	116.9	148.5	190.4	233.0	278.6	340.4	422.7	479.3	490.3	484.4
95°	93.4	96.3	125.0	159.5	196.3	237.4	280.8	337.4	379.3	383.0	384.5
97.5°	77.9	80.9	104.4	136.0	167.6	200.7	233.8	275.7	303.6	302.9	300.7
100°	66.9	68.4	89.7	118.4	146.3	170.5	196.3	222.0	238.9	244.1	236.0
102.5°	58.1	58.8	77.2	102.2	125.7	147.0	166.1	184.5	191.1	191.9	188.2
105°	51.5	52.2	67.6	88.2	109.5	125.7	140.4	151.4	154.4	154.4	150.0
107.5°	45.6	46.3	58.1	77.9	97.0	110.3	120.6	126.4	125.0	124.2	121.3
110°	41.9	41.9	51.5	69.1	84.5	96.3	104.4	105.1	101.4	101.4	98.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	38.2	38.2	45.6	61.0	75.0	85.3	90.4	88.9	83.8	82.3	82.3
115°	35.3	35.3	40.4	53.7	66.9	75.0	78.7	75.0	69.1	68.4	67.6
117.5°	33.1	33.1	36.8	47.8	58.8	66.2	68.4	64.7	58.1	57.3	57.3
120°	30.9	30.9	33.8	41.9	52.2	58.1	59.5	55.1	48.5	48.5	49.3
122.5°	29.4	29.4	30.9	37.5	46.3	51.5	51.5	47.0	41.2	41.2	41.9
125°	27.9	27.9	28.7	33.1	40.4	44.8	44.1	39.0	35.3	35.3	36.0
127.5°	26.5	26.5	26.5	29.4	35.3	39.0	38.2	33.1	30.1	30.1	31.6
130°	25.0	25.0	24.3	25.7	30.1	33.1	31.6	27.9	25.7	25.7	27.2
132.5°	23.5	23.5	22.1	22.8	25.7	27.2	25.7	22.8	22.1	22.1	22.8
135°	22.1	21.3	20.6	19.8	21.3	22.1	20.6	18.4	18.4	18.4	19.8
137.5°	19.8	19.8	18.4	16.9	16.9	16.9	16.2	14.0	14.7	15.4	16.2
140°	18.4	18.4	16.9	14.7	13.2	13.2	11.8	11.0	11.8	12.5	13.2
142.5°	16.2	16.2	14.7	12.5	10.3	8.8	8.1	7.4	8.8	9.6	9.6
145°	14.0	14.0	12.5	9.6	7.4	5.1	4.4	5.1	5.9	6.6	7.4
147.5°	11.8	11.0	9.6	7.4	3.7	2.2	1.5	2.9	3.7	3.7	4.4
150°	8.8	8.8	7.4	5.1	2.2	0.0	0.7	1.5	2.2	2.2	2.9
152.5°	6.6	5.9	5.1	2.9	0.0	0.0	0.0	0.0	0.7	1.5	1.5
155°	3.7	3.7	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	246.3	244.1	241.1	238.9	236.7	233.8	232.3	230.1	230.1	230.1	231.6
5°	255.1	252.1	245.5	239.6	233.8	229.4	224.9	222.0	220.5	219.1	219.8
7.5°	271.3	267.6	257.3	247.0	238.9	230.8	224.9	219.8	217.6	216.9	216.9
10°	296.2	289.6	274.2	260.2	248.5	237.4	229.4	222.7	219.8	217.6	217.6
12.5°	330.1	320.5	302.1	283.0	265.4	250.7	238.9	233.8	231.6	230.1	230.8
15°	374.9	364.6	336.7	311.7	288.9	269.0	258.0	252.9	249.9	248.5	247.7
17.5°	427.1	412.4	378.6	346.2	317.6	295.5	281.5	273.5	268.3	265.4	266.1
20°	484.4	465.3	422.0	386.7	349.9	327.9	306.5	293.3	286.7	285.2	286.0
22.5°	549.1	529.3	479.3	427.8	389.6	356.5	330.8	313.9	305.8	305.1	305.1
25°	625.6	599.1	540.3	475.6	426.4	384.5	354.3	333.7	324.9	322.0	322.0
27.5°	712.3	677.0	604.3	530.0	462.4	409.5	374.2	350.6	341.1	338.9	338.9
30°	807.9	771.1	678.5	581.5	496.9	431.5	391.8	366.8	354.3	351.4	352.1
32.5°	913.0	865.2	748.3	636.6	527.1	449.2	403.6	378.6	364.6	360.9	360.9
35°	1026.9	971.1	831.4	690.3	555.7	463.1	412.4	386.7	371.2	367.6	366.8
37.5°	1154.9	1085.0	917.4	739.5	578.5	471.9	418.3	391.8	374.9	369.8	369.0
40°	1288.6	1208.5	996.8	784.4	597.6	477.1	419.7	394.0	376.4	368.3	367.6
42.5°	1413.6	1325.4	1087.2	825.5	609.4	479.3	419.0	393.3	374.9	363.9	363.1
45°	1551.8	1443.7	1170.3	863.0	616.8	477.8	416.1	389.6	372.0	358.0	356.5
47.5°	1696.6	1572.4	1246.7	890.2	619.7	473.4	412.4	386.7	366.8	351.4	349.9
50°	1827.5	1682.7	1318.0	911.5	618.2	466.8	406.5	382.3	362.4	344.8	343.3
52.5°	1955.4	1798.1	1373.9	923.3	610.9	459.4	401.4	377.1	357.3	338.9	336.7
55°	2071.5	1889.2	1423.9	928.4	601.3	449.9	394.0	372.7	352.9	333.0	330.8
57.5°	2161.2	1975.2	1460.7	921.8	586.6	438.9	386.7	366.1	347.7	327.9	325.7
60°	2227.4	2031.8	1477.6	909.3	569.7	426.4	377.8	359.5	342.6	323.4	321.2
62.5°	2267.1	2063.4	1473.9	887.3	548.4	413.9	369.8	352.9	337.4	318.3	316.8
65°	2260.5	2050.9	1446.0	852.0	525.6	397.7	357.3	344.0	330.1	312.4	310.2
67.5°	2206.8	2000.2	1389.4	807.9	499.9	381.5	345.5	332.3	320.5	305.1	300.7
70°	2111.2	1906.9	1307.8	752.7	470.5	363.1	331.5	319.0	308.7	294.0	289.6
72.5°	1950.2	1770.9	1204.1	695.4	438.9	341.8	313.2	302.9	291.8	280.1	274.9
75°	1766.5	1600.3	1082.1	627.8	405.0	320.5	294.0	283.8	273.5	261.0	256.6
77.5°	1566.5	1407.0	955.6	568.2	370.5	296.2	272.7	263.9	253.6	240.4	235.2
80°	1327.6	1200.4	821.1	499.9	335.9	272.7	250.7	241.1	230.1	217.6	212.4
82.5°	1112.2	999.7	696.9	438.1	301.4	248.5	229.4	215.4	205.1	192.6	183.8
85°	909.3	830.7	584.4	376.4	269.0	223.5	204.4	192.6	180.8	166.1	160.3
87.5°	731.4	664.5	480.0	324.9	237.4	199.2	181.6	169.8	156.6	141.1	136.0
90°	578.5	537.4	399.2	279.3	210.2	178.6	161.0	148.5	133.8	119.8	116.9
92.5°	458.7	430.0	330.1	237.4	185.2	158.0	141.9	129.4	114.7	100.7	96.3
95°	369.0	341.1	270.5	207.3	162.5	138.9	125.0	113.2	98.5	84.5	81.6
97.5°	294.8	272.7	222.0	174.2	142.6	123.5	111.0	98.5	83.8	71.3	69.8
100°	230.8	217.6	183.8	150.0	125.7	109.5	97.8	86.7	72.0	59.5	58.8
102.5°	184.5	177.2	152.9	129.4	110.3	97.0	87.5	75.7	62.5	50.7	50.0
105°	148.5	144.1	127.2	111.0	97.8	86.7	77.9	66.2	52.9	43.4	43.4
107.5°	120.6	116.9	106.6	94.8	86.0	77.9	68.4	58.1	45.6	37.5	37.5
110°	98.5	97.0	90.4	82.3	75.7	69.1	60.3	50.0	39.0	33.1	33.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	82.3	81.6	76.5	72.0	66.9	61.0	53.7	44.1	33.8	28.7	29.4
115°	68.4	68.4	65.4	62.5	58.8	54.4	47.0	37.5	28.7	25.7	25.7
117.5°	58.1	57.3	56.6	54.4	52.2	47.8	40.4	32.3	24.3	22.8	23.5
120°	50.0	50.0	48.5	47.8	45.6	41.2	35.3	27.2	20.6	20.6	20.6
122.5°	42.6	43.4	41.9	41.2	39.7	36.8	30.1	22.8	18.4	17.6	18.4
125°	37.5	37.5	36.8	36.0	34.6	30.9	25.7	19.1	15.4	16.2	16.2
127.5°	31.6	32.3	31.6	30.9	30.1	26.5	21.3	15.4	13.2	14.0	14.0
130°	27.9	27.9	27.2	26.5	25.0	22.1	17.6	12.5	11.8	12.5	12.5
132.5°	23.5	23.5	23.5	22.1	20.6	18.4	14.0	10.3	9.6	11.0	11.0
135°	19.8	19.8	19.8	18.4	16.9	14.0	10.3	8.1	8.1	9.6	9.6
137.5°	16.2	16.9	16.2	14.7	13.2	11.0	8.1	5.9	6.6	8.1	8.1
140°	13.2	13.2	12.5	11.8	9.6	7.4	5.1	4.4	5.9	6.6	6.6
142.5°	10.3	10.3	9.6	8.1	6.6	5.1	2.9	2.9	4.4	5.1	5.1
145°	7.4	7.4	6.6	5.1	3.7	2.2	0.7	1.5	2.9	3.7	3.7
147.5°	4.4	4.4	4.4	3.7	2.2	0.7	0.0	0.7	1.5	2.2	2.2
150°	2.9	2.9	2.9	2.2	1.5	0.0	0.0	0.0	0.7	1.5	1.5
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	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)