

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: P415689

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4374 lumens
Efficiency: N/A
Efficacy: 81.0 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: B1 - U3 - G3

Input Watts (W): 54
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

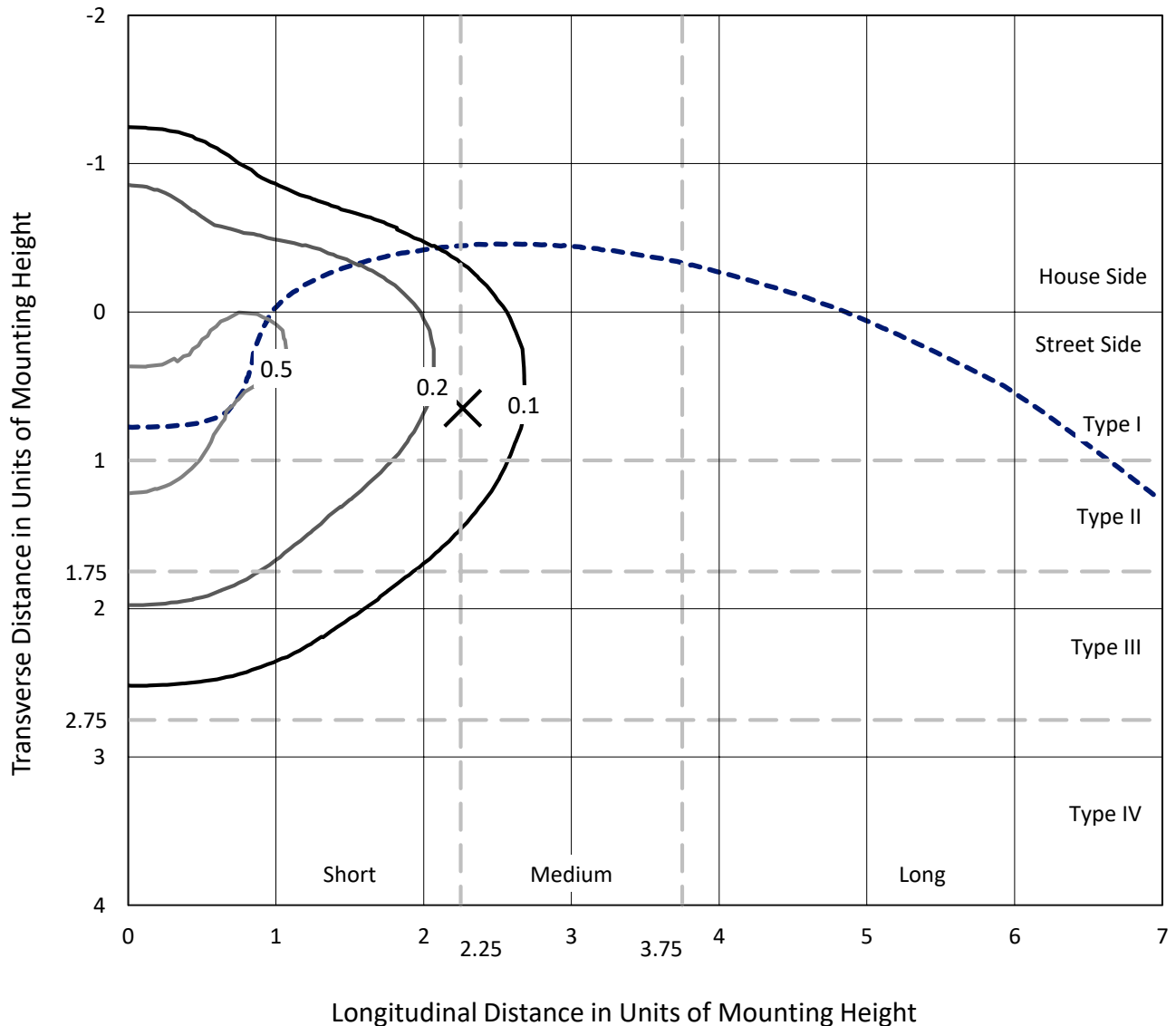


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

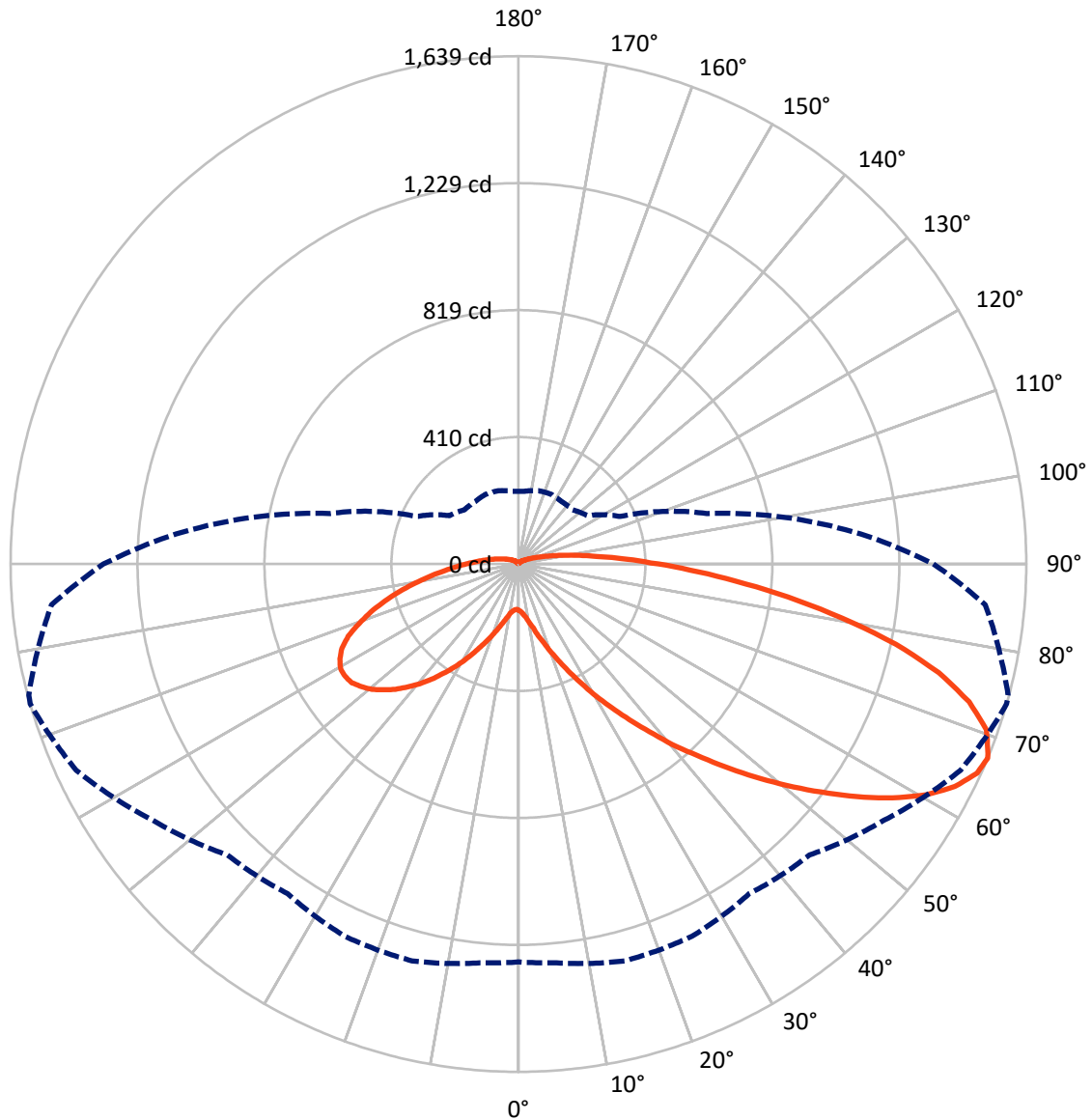


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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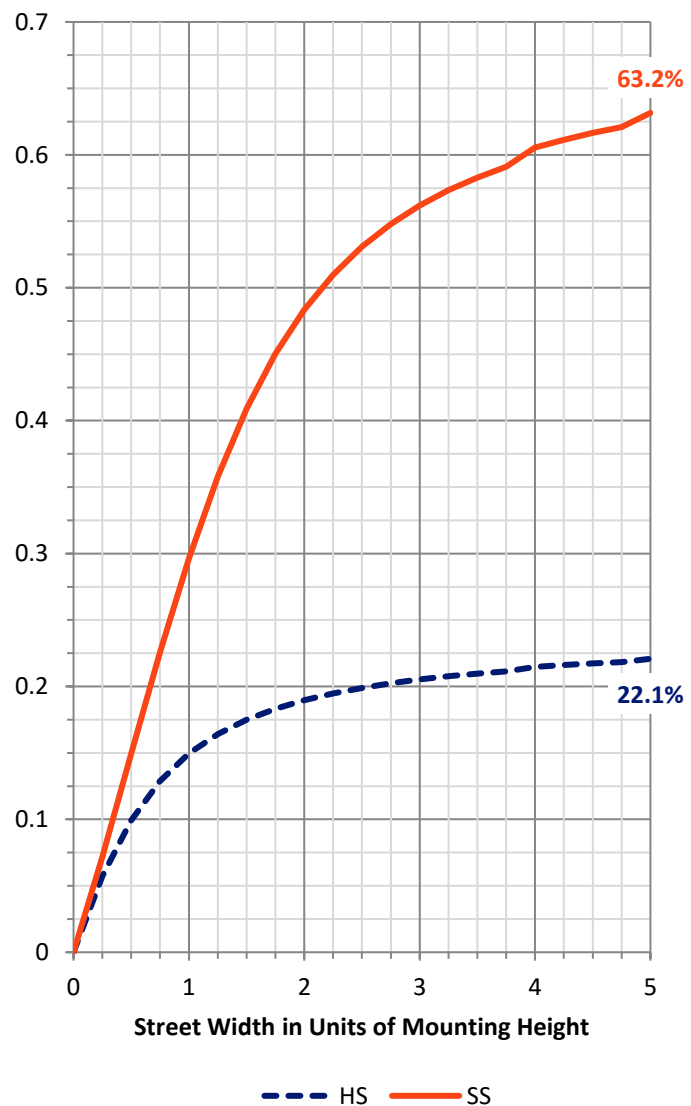
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1020.0	122.6	1142.6
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	2951.8	279.7	3231.4
	% Fixture	67.5	6.4	73.9
Total	Lumens	3971.7	402.3	4374.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.4
10°-20°	63.7	1.5
20°-30°	158.3	3.6
30°-40°	309.1	7.1
40°-50°	511.2	11.7
50°-60°	740.9	16.9
60°-70°	896.8	20.5
70°-80°	797.2	18.2
80°-90°	478.9	10.9
90°-100°	219.9	5.0
100°-110°	97.9	2.2
110°-120°	46.7	1.1
120°-130°	23.2	0.5
130°-140°	10.6	0.2
140°-150°	3.5	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3971.7	90.8
0°-180°	4374.0	100.0

Coefficient of Utilization



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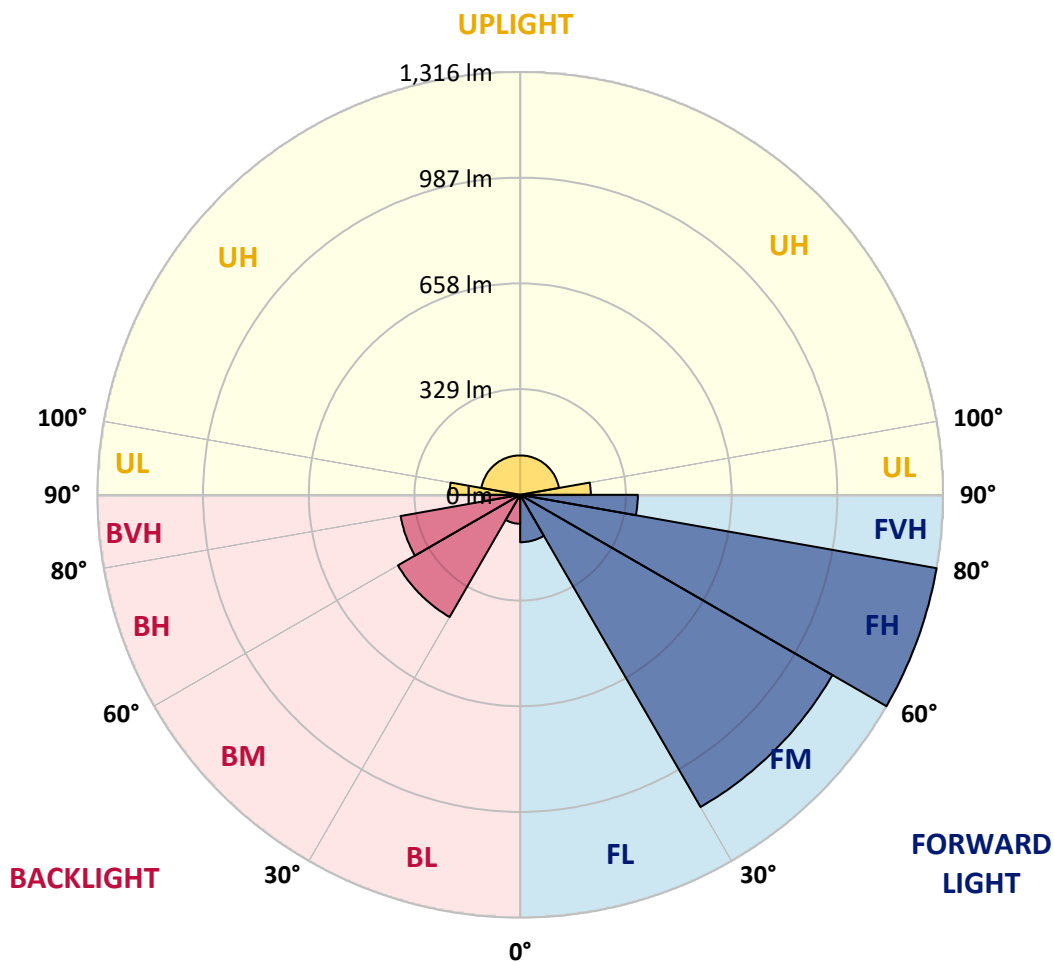
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.5	3.4			
FM	(30°-60°)	1122.2	25.7			
FH	(60°-80°)	1316.0	30.1			G1/1800
FVH	(80°-90°)	366.0	8.4			G3/500
BL	(0°-30°)	90.1	2.1	B0/110		
BM	(30°-60°)	439.0	10.0	B1/1000		
BH	(60°-80°)	378.0	8.6	B1/500		G1/500
BVH	(80°-90°)	112.9	2.6			G2/225
UL	(90°-100°)	219.9	5.0		U3/500	
UH	(100°-180°)	122.6	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	164.5	163.0	163.0	162.0	161.4	159.9	158.8	155.2	153.6	153.6	151.0
5°	182.2	181.2	179.1	179.1	177.0	174.9	170.8	166.1	162.5	162.0	157.3
7.5°	204.0	201.4	201.4	198.8	195.7	192.1	186.3	180.1	174.4	173.9	166.6
10°	228.9	227.9	226.8	223.2	219.0	211.8	206.6	197.8	191.0	190.5	180.6
12.5°	259.5	258.0	254.9	251.2	244.0	238.8	229.4	219.6	210.7	211.3	199.8
15°	292.8	291.7	289.6	283.9	275.6	268.4	259.0	248.6	239.8	236.2	224.2
17.5°	330.6	328.6	326.0	319.7	310.4	303.1	290.7	280.8	269.4	269.9	252.8
20°	375.3	373.2	369.6	359.7	351.4	341.5	328.6	317.7	304.7	303.7	286.5
22.5°	419.4	420.4	411.6	401.2	393.5	382.0	369.6	355.6	344.1	343.1	323.4
25°	473.9	470.3	461.5	449.5	437.6	423.6	412.7	400.2	389.3	388.3	364.9
27.5°	531.0	527.9	516.0	500.9	484.8	469.2	459.9	446.9	438.6	437.1	413.2
30°	593.3	588.1	577.2	557.0	534.6	517.0	507.7	503.0	495.2	493.1	468.7
32.5°	663.4	656.6	640.5	616.1	584.0	564.2	560.1	555.9	552.8	549.7	526.9
35°	732.9	730.9	707.0	676.9	645.2	619.3	612.0	618.7	616.7	614.6	590.2
37.5°	806.1	809.8	783.8	744.3	700.7	673.2	668.0	680.5	686.2	686.2	657.1
40°	892.3	889.2	863.2	814.9	764.1	731.9	733.4	752.1	766.1	763.0	734.5
42.5°	977.9	971.2	936.9	889.7	825.3	793.1	793.1	821.7	843.0	843.5	813.4
45°	1062.0	1054.8	1022.6	960.8	890.7	855.9	863.2	898.0	932.8	928.1	898.5
47.5°	1138.8	1135.7	1102.5	1036.6	957.7	921.4	935.9	987.8	1025.7	1025.7	993.0
50°	1214.1	1210.0	1178.8	1104.6	1025.2	989.4	1011.2	1074.5	1122.8	1125.3	1087.5
52.5°	1279.0	1276.4	1247.3	1173.6	1091.6	1055.3	1088.0	1167.4	1222.9	1228.6	1188.7
55°	1325.7	1327.3	1304.9	1234.9	1151.8	1121.7	1166.4	1259.8	1325.7	1326.7	1283.7
57.5°	1360.0	1362.0	1347.0	1286.3	1204.8	1181.9	1242.1	1349.1	1423.8	1428.5	1371.9
60°	1374.5	1378.1	1373.5	1322.6	1252.0	1237.5	1310.1	1429.0	1512.1	1513.6	1445.6
62.5°	1366.7	1370.3	1379.7	1343.4	1286.3	1285.7	1376.1	1498.6	1581.1	1583.2	1501.7
65°	1331.4	1337.1	1360.5	1343.4	1298.7	1315.8	1419.7	1552.0	1626.3	1628.8	1523.5
67°	1284.2	1291.4	1325.7	1325.2	1298.7	1327.8	1440.9	1574.3	1638.7	1635.6	1512.1
67.5°	1273.3	1280.5	1314.8	1320.0	1295.1	1329.3	1443.5	1576.9	1634.0	1633.5	1504.8
70°	1180.9	1193.9	1243.7	1268.6	1268.1	1316.9	1442.5	1562.9	1602.4	1597.2	1444.1
72.5°	1074.5	1090.6	1151.3	1199.1	1214.6	1278.0	1404.6	1507.4	1520.4	1514.1	1330.4
75°	965.0	973.8	1037.1	1105.1	1144.6	1212.0	1333.5	1419.1	1401.0	1385.9	1188.2
77.5°	849.2	852.8	923.4	999.7	1047.5	1125.3	1227.6	1289.9	1245.3	1232.8	1026.2
80°	714.8	729.8	800.4	879.8	939.0	1009.6	1095.8	1133.1	1058.4	1047.0	853.9
82.5°	604.7	614.1	678.4	756.3	822.7	889.2	945.2	955.1	876.7	868.4	686.2
85°	493.6	501.9	569.4	641.6	703.9	759.4	796.8	782.2	700.7	691.9	542.4
87.5°	408.5	414.7	461.5	534.6	589.7	629.6	649.4	631.2	553.3	540.9	418.9
90°	323.9	333.2	375.3	437.1	493.1	519.1	521.1	491.0	427.2	417.9	320.8
92.5°	261.6	267.8	307.8	359.2	403.3	423.0	417.9	392.4	333.8	322.9	248.1
95°	211.8	217.0	250.2	295.4	331.2	349.3	334.8	301.1	254.9	250.7	191.5
97.5°	176.0	177.0	203.0	243.4	272.0	281.3	269.9	239.3	199.3	191.0	146.9
100°	143.8	144.8	166.6	197.2	223.2	229.4	218.0	188.4	154.7	149.5	115.2
102.5°	116.8	119.4	136.0	163.5	182.7	187.4	175.4	149.5	119.4	115.8	89.8
105°	99.1	99.7	114.2	135.0	152.1	155.7	143.8	121.5	94.0	91.9	71.6
107.5°	84.1	84.1	95.5	113.7	127.2	129.2	119.9	99.1	74.2	72.2	58.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	72.2	72.7	81.0	95.5	108.0	109.5	100.2	79.4	59.2	57.6	47.2
112.5°	62.8	63.8	69.6	81.0	91.9	93.4	84.1	64.9	48.3	46.2	39.4
115°	55.5	56.1	60.2	69.6	78.4	79.4	70.1	53.5	38.9	37.4	33.2
117.5°	49.3	49.8	52.9	60.7	67.5	68.0	58.7	44.1	32.7	31.1	29.1
120°	44.6	44.6	47.2	52.4	58.1	58.1	49.3	36.3	27.0	26.5	24.9
122.5°	40.5	40.5	42.0	45.7	49.8	48.8	41.0	30.1	22.8	22.3	21.8
125°	36.9	36.9	37.9	40.0	42.6	41.0	33.7	24.9	19.7	19.2	19.2
127.5°	33.2	33.2	33.7	35.3	35.8	34.3	28.0	20.8	17.1	16.6	17.1
130°	30.1	30.1	30.1	30.1	30.1	29.1	22.8	17.1	14.5	14.5	15.1
132.5°	27.0	27.0	26.5	26.0	25.4	23.4	18.7	14.0	13.0	13.0	13.5
135°	23.9	23.9	23.4	22.3	20.8	18.2	14.0	11.4	10.9	10.9	11.4
137.5°	20.8	20.8	20.2	18.7	16.6	14.0	10.9	9.3	9.3	9.3	9.9
140°	17.6	17.6	17.1	15.6	13.0	10.4	8.3	7.3	7.8	7.8	8.3
142.5°	15.1	14.5	14.0	12.5	9.9	7.3	5.7	5.7	6.2	6.2	6.7
145°	11.9	11.4	10.9	9.3	7.3	5.2	4.2	4.2	4.7	4.7	5.2
147.5°	9.3	8.8	8.3	6.7	5.2	3.6	2.6	3.1	3.6	3.6	3.6
150°	6.2	6.2	6.2	5.2	3.1	2.1	1.6	2.1	2.1	2.1	2.6
152.5°	4.2	4.2	4.2	3.1	2.1	1.0	1.0	1.0	1.6	1.6	1.6
155°	2.6	2.6	2.6	2.1	1.0	0.5	0.5	0.5	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	0.5
160°	0.5	0.5	1.0	1.0	1.0	0.5	0.0	0.0	0.5	0.5	0.5
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°	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
2.5°	150.0	149.0	146.9	145.3	143.8	142.2	140.7	139.6	138.1	138.1	138.1
5°	155.2	152.6	148.5	145.3	141.7	139.1	136.0	133.9	132.4	131.8	131.8
7.5°	164.0	160.4	154.2	147.9	142.7	138.6	135.0	132.4	130.3	129.8	129.8
10°	176.5	171.8	162.0	154.7	147.9	142.2	137.6	133.9	132.4	131.3	131.3
12.5°	194.7	188.4	177.0	164.5	155.7	148.5	142.7	141.2	141.2	141.7	141.2
15°	216.5	210.2	194.7	180.1	167.1	158.8	155.7	155.7	155.2	156.2	156.2
17.5°	244.0	235.1	216.5	197.2	182.2	174.4	171.3	170.3	171.3	172.9	171.8
20°	276.7	263.7	240.3	216.5	200.4	192.6	187.4	186.3	187.9	188.9	189.5
22.5°	310.9	296.9	267.3	236.7	220.1	209.7	204.0	202.4	205.0	207.6	208.1
25°	349.9	334.3	296.4	261.1	237.7	223.7	218.5	218.0	222.2	225.8	225.8
27.5°	397.1	376.3	328.1	287.6	257.5	238.8	233.1	233.6	239.3	242.4	243.4
30°	446.4	423.0	364.4	312.0	273.0	250.7	244.5	247.1	252.8	259.0	260.1
32.5°	501.9	474.4	399.7	336.4	287.0	260.1	253.3	258.5	264.7	272.0	273.0
35°	560.1	523.2	436.0	358.7	298.5	267.3	259.5	265.8	273.6	280.3	282.4
37.5°	626.0	582.4	475.5	376.8	307.3	271.5	263.2	270.4	279.3	286.0	286.5
40°	693.5	643.1	512.8	394.0	313.5	274.1	265.2	272.5	280.8	286.5	287.0
42.5°	764.1	704.9	547.6	408.0	316.6	274.1	264.2	271.5	279.3	282.4	282.9
45°	846.6	770.3	583.4	417.9	317.7	273.0	262.7	268.4	274.1	275.1	276.7
47.5°	929.7	835.2	614.1	425.1	317.2	270.4	260.1	264.7	268.4	267.3	268.9
50°	1017.4	905.8	643.6	429.8	314.6	267.8	256.4	260.6	261.6	258.5	258.5
52.5°	1101.5	967.0	666.5	430.3	310.9	264.7	253.8	256.9	256.4	250.7	251.2
55°	1185.6	1032.4	685.7	425.6	305.7	261.6	251.2	253.3	251.7	245.0	244.0
57.5°	1257.7	1085.4	694.0	418.9	300.0	258.5	249.7	251.7	248.6	240.8	240.3
60°	1319.0	1126.4	694.5	409.5	293.3	255.9	248.1	250.7	248.1	238.8	237.7
62.5°	1356.9	1145.1	681.0	395.0	286.5	252.8	248.1	250.2	247.1	237.7	237.2
65°	1363.1	1135.7	659.2	378.4	278.7	249.7	247.1	249.7	246.6	236.7	235.7
67°	1338.7	1108.7	629.6	362.8	272.0	247.1	245.0	248.6	245.0	235.7	234.1
67.5°	1330.4	1096.3	622.9	360.8	270.4	246.0	244.5	247.6	244.5	235.1	233.6
70°	1257.7	1028.3	572.0	337.9	260.6	240.8	240.8	243.4	240.3	231.5	228.9
72.5°	1145.6	932.8	521.1	316.1	249.7	233.1	234.6	237.2	234.1	225.8	222.7
75°	1015.8	825.3	464.6	290.7	237.2	225.3	226.3	228.9	225.8	217.0	214.4
77.5°	871.5	701.3	407.5	267.3	224.2	214.9	215.4	217.0	214.4	205.6	203.0
80°	716.8	578.2	349.3	240.8	209.2	201.9	202.4	202.4	198.8	191.5	189.5
82.5°	577.7	469.8	297.9	217.5	192.6	187.4	187.4	186.9	182.2	176.0	172.9
85°	449.5	378.9	249.7	193.6	176.0	171.3	170.8	168.7	164.0	157.3	153.6
87.5°	352.4	300.0	210.2	170.8	159.4	156.2	153.1	148.5	144.8	139.1	136.0
90°	275.1	238.3	177.5	150.0	143.3	139.1	136.0	130.3	124.6	118.9	117.3
92.5°	215.4	188.4	147.9	130.8	126.7	123.5	119.4	113.2	108.0	101.2	101.7
95°	170.8	153.1	126.1	115.2	112.1	109.5	104.3	97.6	91.9	85.6	84.6
97.5°	133.9	122.0	105.9	100.2	99.1	96.0	90.8	84.1	77.9	71.1	71.1
100°	106.4	99.7	89.3	88.2	86.2	84.1	78.9	72.7	64.9	59.2	59.2
102.5°	85.6	79.9	76.3	76.3	75.8	73.7	68.5	62.3	54.5	48.8	48.8
105°	68.5	66.4	64.9	66.4	67.0	64.9	59.7	52.9	45.2	40.0	41.0
107.5°	57.1	55.5	55.5	57.6	58.7	56.6	51.9	44.6	37.4	33.7	33.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	47.2	46.7	47.8	50.3	50.9	49.3	44.6	37.9	31.1	28.0	28.5
112.5°	40.0	39.4	41.5	44.1	44.6	43.1	38.4	32.2	26.0	23.9	23.9
115°	33.7	34.3	35.8	37.9	38.9	37.4	33.2	27.5	21.3	20.2	20.2
117.5°	29.1	29.6	31.1	33.7	34.3	32.2	28.0	22.8	18.2	17.6	17.6
120°	25.4	26.0	27.5	29.1	29.6	27.5	23.9	19.2	15.6	15.1	15.1
122.5°	22.3	23.4	24.4	25.4	26.0	23.9	20.8	16.1	13.0	13.0	13.5
125°	19.7	20.2	21.3	22.3	22.3	20.2	17.1	13.5	11.4	11.4	11.4
127.5°	17.6	17.6	18.2	19.2	19.2	17.6	14.5	10.9	9.9	9.9	10.4
130°	15.6	16.1	16.1	16.1	16.1	14.5	11.9	9.3	8.3	8.8	8.8
132.5°	13.5	14.0	14.0	14.0	13.5	11.9	9.9	7.8	7.3	7.8	7.8
135°	11.9	11.9	11.9	11.9	10.9	9.9	7.8	6.2	6.2	6.7	6.7
137.5°	10.4	10.4	10.4	9.9	8.8	7.8	6.2	5.2	5.2	5.7	5.7
140°	8.3	8.8	8.3	7.8	6.7	5.7	4.7	4.2	4.7	4.7	4.7
142.5°	6.7	6.7	6.7	6.2	5.2	4.2	3.6	3.1	3.6	3.6	4.2
145°	5.2	5.2	5.2	4.7	3.6	2.6	2.6	2.6	3.1	3.1	3.1
147.5°	3.6	3.6	3.6	3.1	2.1	1.6	1.6	1.6	2.1	2.1	2.1
150°	2.6	2.6	2.6	2.1	1.0	0.5	0.5	1.0	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.0	0.5	0.0	0.5	1.0	1.0	0.5	0.5
155°	1.0	1.0	1.0	1.0	0.5	0.0	0.5	0.5	0.5	0.0	0.0
157.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0
160°	0.5	0.5	0.5	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)