

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: P417186

Luminaire Tested: **LXF.LXT-PA1-90-740-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-740-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9380 lumens
Efficiency: N/A
Efficacy: 99.8 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 - G4

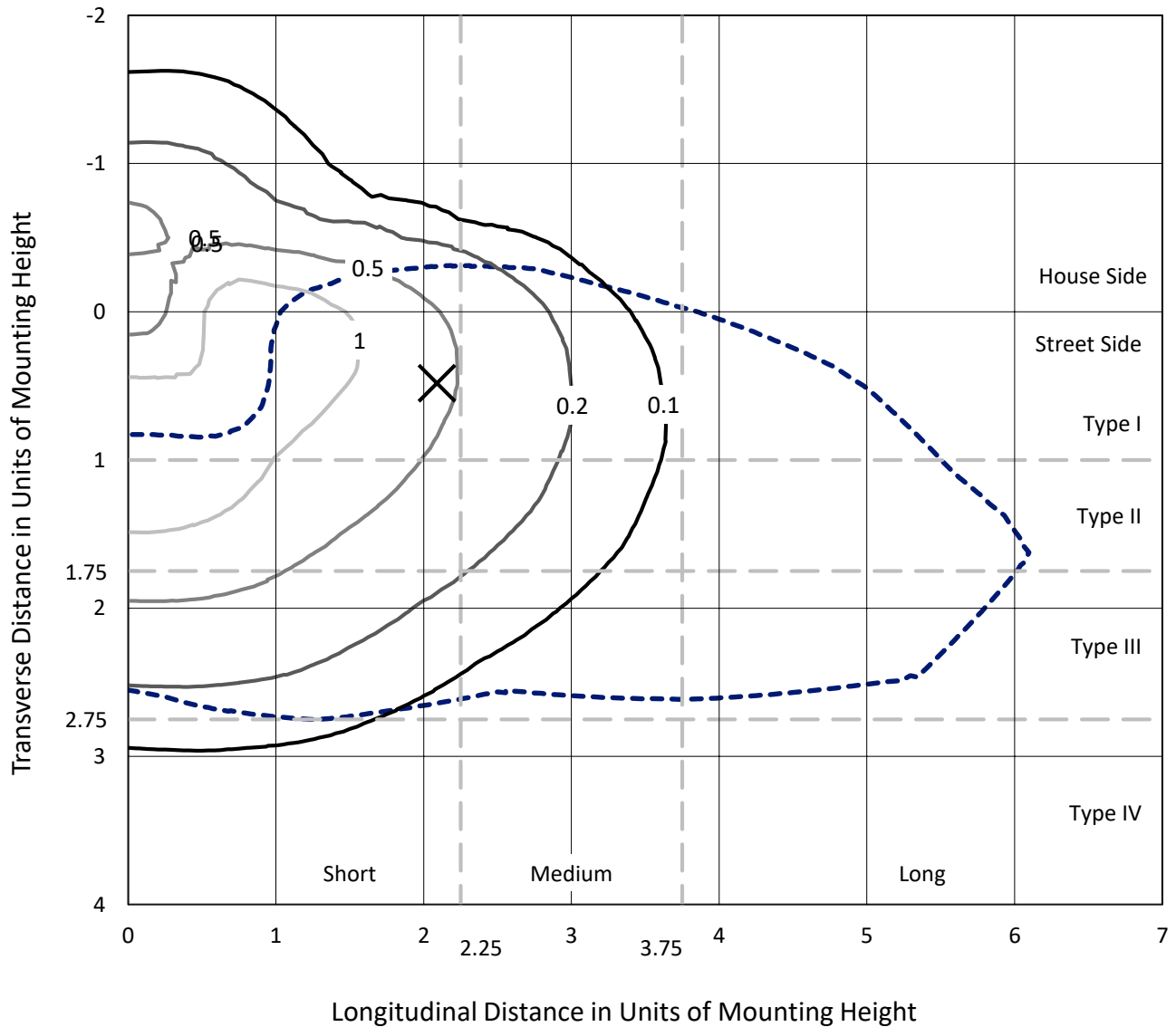
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

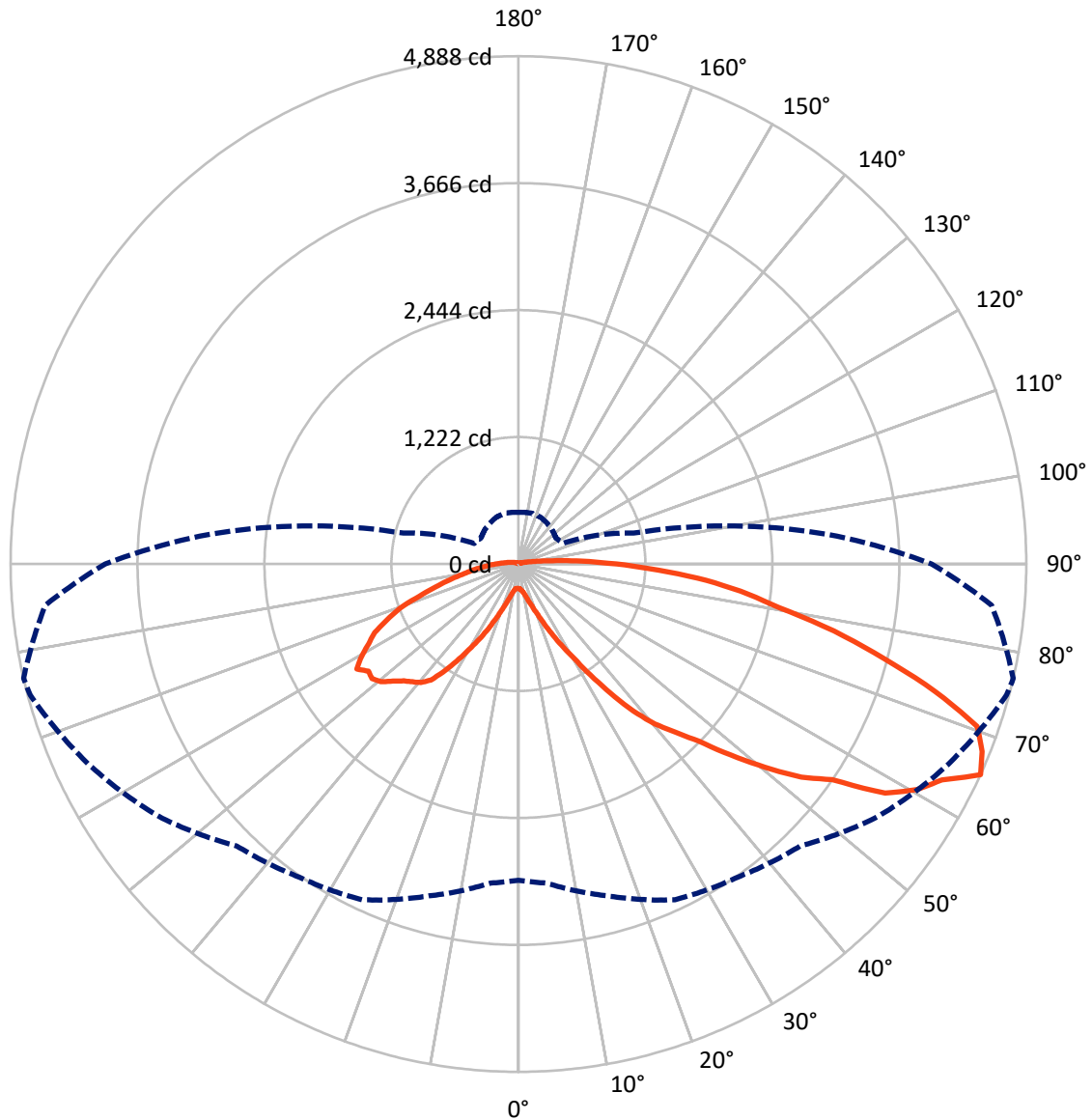
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2066.9	147.0	2213.9
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6982.3	183.8	7166.1
	% Fixture	74.4	2.0	76.4
Total	Lumens	9049.2	330.7	9380.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	0.3
10°-20°	102.7	1.1
20°-30°	301.1	3.2
30°-40°	720.7	7.7
40°-50°	1297.8	13.8
50°-60°	1973.9	21.0
60°-70°	2328.5	24.8
70°-80°	1604.7	17.1
80°-90°	695.7	7.4
90°-100°	203.1	2.2
100°-110°	63.6	0.7
110°-120°	29.7	0.3
120°-130°	17.5	0.2
130°-140°	10.7	0.1
140°-150°	4.6	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9049.2	96.5
0°-180°	9380.0	100.0



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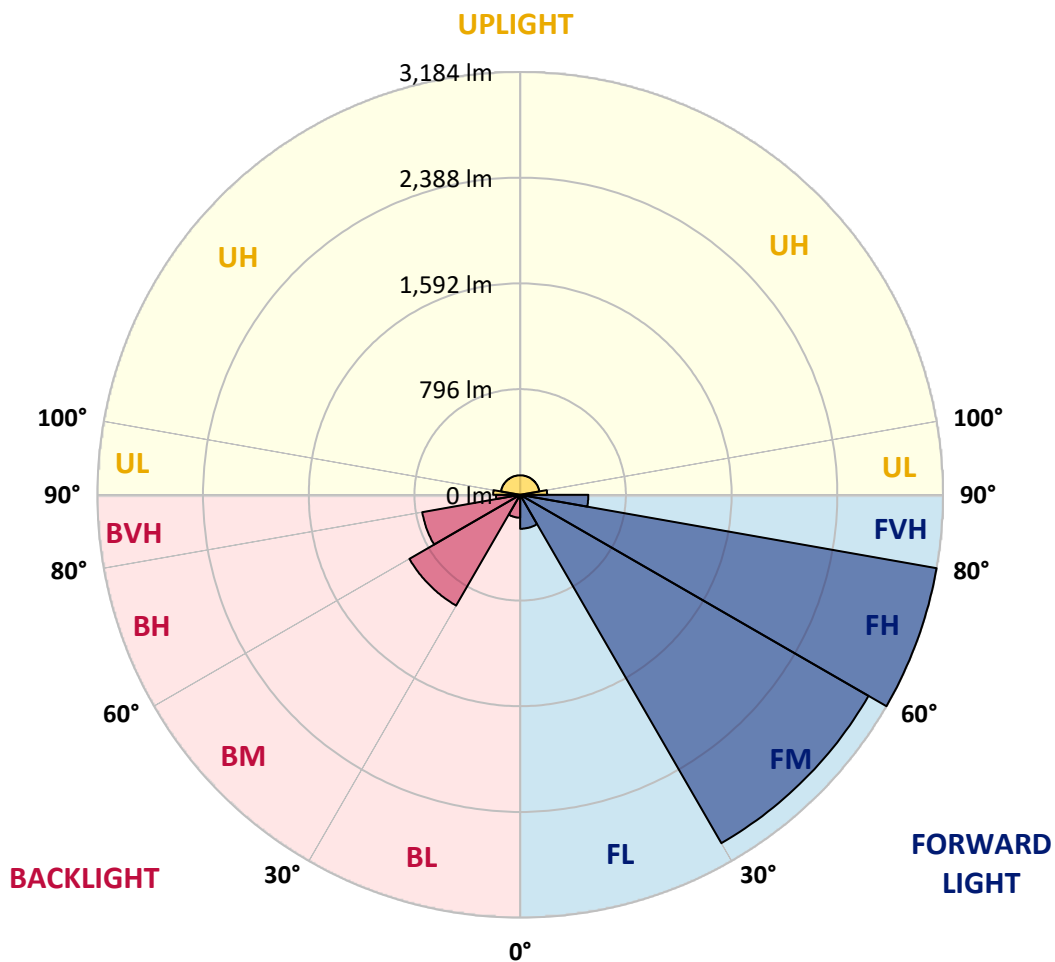
CATALOG NUMBER: LXF.LXT-PA1-90-740-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.6	2.7			
FM	(30°-60°)	3029.1	32.3			
FH	(60°-80°)	3184.3	33.9			G2/5000
FVH	(80°-90°)	513.3	5.5			G4/750
BL	(0°-30°)	172.3	1.8	B1/500		
BM	(30°-60°)	963.3	10.3	B1/1000		
BH	(60°-80°)	748.9	8.0	B2/1000		G2/1000
BVH	(80°-90°)	182.4	1.9			G2/225
UL	(90°-100°)	203.1	2.2		U3/500	
UH	(100°-180°)	147.0	1.6		U3/500	

BUG Rating: B2-U3-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	253.4	252.3	252.3	253.4	251.2	249.1	245.8	242.6	239.4	239.4	237.2
5°	273.9	272.8	272.8	272.8	268.5	265.2	257.7	253.4	249.1	246.9	243.7
7.5°	300.8	297.6	298.7	297.6	291.1	284.6	277.1	268.5	263.1	262.0	255.5
10°	336.4	334.2	332.1	327.8	321.3	310.5	299.7	292.2	284.6	283.6	276.0
12.5°	387.1	384.9	380.6	370.9	356.9	343.9	333.2	324.5	320.2	318.1	310.5
15°	448.5	442.1	439.9	424.8	405.4	390.3	378.4	373.1	368.7	368.7	359.0
17.5°	520.8	520.8	510.0	489.5	464.7	446.4	434.5	424.8	428.0	427.0	421.6
20°	610.3	608.1	591.9	565.0	534.8	517.5	502.4	497.1	501.4	505.7	505.7
22.5°	739.6	734.3	709.5	668.5	624.3	596.2	585.5	584.4	601.6	607.0	613.5
25°	885.2	877.7	846.4	796.8	741.8	698.7	683.6	695.4	726.7	738.6	751.5
27.5°	1061.0	1056.6	1009.2	941.3	875.5	819.4	802.2	838.8	880.9	885.2	911.1
30°	1287.4	1289.5	1224.8	1126.7	1014.6	956.4	937.0	981.2	1043.7	1048.0	1099.8
32.5°	1549.4	1549.4	1452.3	1333.7	1189.3	1107.3	1089.0	1160.1	1258.3	1273.4	1323.0
35°	1883.6	1864.2	1740.2	1569.9	1388.7	1266.9	1264.7	1375.8	1510.6	1525.7	1579.6
37.5°	2183.4	2195.2	2069.1	1847.0	1602.2	1462.0	1480.4	1621.6	1792.0	1796.3	1854.5
40°	2507.9	2520.8	2372.0	2140.2	1839.4	1682.0	1718.7	1850.2	2019.5	2022.7	2043.2
42.5°	2762.4	2795.8	2656.7	2415.2	2111.1	1932.1	1940.8	2063.7	2194.1	2210.3	2224.3
45°	2914.4	2939.2	2862.6	2669.6	2350.5	2182.3	2161.8	2262.1	2432.4	2428.1	2448.6
47.5°	3153.7	3182.9	3065.3	2889.6	2620.0	2411.9	2386.1	2516.5	2725.7	2747.3	2727.9
50°	3401.7	3440.5	3355.4	3150.5	2872.3	2669.6	2672.9	2821.7	3065.3	3072.9	3084.7
52.5°	3575.3	3603.4	3569.9	3427.6	3132.2	2947.8	2976.9	3154.8	3394.2	3408.2	3360.8
55°	3602.3	3645.4	3672.4	3640.0	3416.8	3234.6	3309.0	3486.9	3648.6	3660.5	3623.8
57.5°	3593.6	3629.2	3686.4	3711.2	3599.0	3530.0	3626.0	3808.2	4119.8	4159.7	4141.4
60°	3583.9	3609.8	3728.4	3765.1	3701.5	3756.5	3909.6	4234.1	4405.5	4408.8	4241.6
62.5°	3314.4	3357.5	3580.7	3765.1	3747.8	3852.4	4187.7	4413.1	4548.9	4573.7	4414.2
65°	3043.8	3081.5	3305.8	3564.5	3678.8	3836.2	4230.9	4563.0	4864.8	4887.5	4571.6
67.5°	2652.4	2711.7	2956.4	3268.0	3408.2	3659.4	4117.7	4615.8	4803.4	4813.1	4451.9
70°	2160.7	2241.6	2517.6	2846.5	3014.7	3269.1	3864.3	4427.1	4689.1	4683.7	4253.5
72.5°	1556.9	1629.2	1881.5	2271.8	2534.9	2813.0	3400.6	4051.9	4200.7	4195.3	3618.4
75°	1057.7	1096.5	1286.3	1643.2	2021.6	2348.3	2929.5	3514.9	3641.1	3631.4	3099.8
77.5°	693.3	737.5	860.4	1165.5	1518.1	1894.4	2459.4	2942.4	3140.8	3105.2	2627.6
80°	424.8	449.6	551.0	787.1	1150.4	1528.9	2033.5	2489.6	2592.0	2540.2	2145.6
82.5°	265.2	284.6	356.9	519.7	825.9	1180.6	1668.0	2096.0	2210.3	2152.1	1765.0
85°	162.8	172.5	222.1	341.8	560.7	868.0	1341.3	1700.3	1770.4	1728.4	1330.5
87.5°	118.6	120.8	152.0	230.7	378.4	621.0	987.6	1280.9	1331.6	1253.9	932.6
90°	87.3	91.6	112.1	162.8	263.1	421.6	680.3	901.4	914.3	866.9	623.2
92.5°	65.8	67.9	84.1	115.4	181.1	287.9	453.9	603.8	591.9	558.5	387.1
95°	47.4	48.5	60.4	81.9	127.2	193.0	289.0	378.4	340.7	326.7	235.0
97.5°	38.8	39.9	48.5	63.6	93.8	135.9	186.5	225.3	200.5	191.9	150.9
100°	33.4	33.4	41.0	52.8	73.3	101.4	124.0	141.2	129.4	125.1	106.7
102.5°	30.2	30.2	35.6	44.2	60.4	79.8	91.6	97.0	90.6	87.3	78.7
105°	27.0	27.0	31.3	37.7	50.7	64.7	70.1	71.2	64.7	63.6	60.4
107.5°	24.8	24.8	28.0	33.4	43.1	53.9	56.1	52.8	49.6	47.4	47.4
110°	21.6	22.6	24.8	29.1	37.7	45.3	45.3	41.0	36.7	36.7	37.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	20.5	20.5	22.6	27.0	33.4	38.8	36.7	32.3	29.1	29.1	31.3
115°	18.3	18.3	20.5	24.8	30.2	33.4	31.3	27.0	23.7	24.8	27.0
117.5°	17.3	17.3	19.4	22.6	27.0	29.1	27.0	22.6	20.5	21.6	24.8
120°	17.3	17.3	19.4	21.6	24.8	25.9	23.7	19.4	18.3	18.3	21.6
122.5°	17.3	17.3	18.3	21.6	23.7	23.7	20.5	17.3	16.2	16.2	19.4
125°	17.3	17.3	19.4	21.6	21.6	21.6	18.3	15.1	14.0	15.1	17.3
127.5°	18.3	18.3	19.4	20.5	20.5	19.4	16.2	14.0	12.9	14.0	16.2
130°	18.3	18.3	19.4	20.5	19.4	17.3	15.1	12.9	12.9	12.9	16.2
132.5°	18.3	18.3	19.4	19.4	18.3	15.1	12.9	10.8	11.9	12.9	15.1
135°	17.3	17.3	17.3	17.3	16.2	14.0	10.8	9.7	10.8	11.9	14.0
137.5°	16.2	16.2	16.2	16.2	14.0	11.9	8.6	7.5	9.7	9.7	11.9
140°	14.0	14.0	15.1	14.0	12.9	9.7	7.5	5.4	7.5	7.5	9.7
142.5°	12.9	12.9	12.9	12.9	10.8	8.6	5.4	5.4	6.5	6.5	7.5
145°	10.8	10.8	11.9	10.8	8.6	6.5	4.3	4.3	5.4	5.4	6.5
147.5°	8.6	9.7	9.7	8.6	7.5	5.4	3.2	3.2	4.3	4.3	5.4
150°	7.5	7.5	7.5	7.5	5.4	3.2	2.2	3.2	4.3	4.3	4.3
152.5°	5.4	5.4	6.5	6.5	4.3	2.2	2.2	3.2	3.2	3.2	4.3
155°	4.3	4.3	5.4	4.3	3.2	1.1	2.2	2.2	3.2	3.2	3.2
157.5°	2.2	2.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	2.2	3.2
160°	1.1	1.1	3.2	3.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
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°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	236.1	234.0	232.9	230.7	228.6	226.4	226.4	226.4	225.3	224.3	225.3
5°	240.4	239.4	234.0	229.7	225.3	223.2	221.0	220.0	220.0	217.8	217.8
7.5°	252.3	248.0	240.4	232.9	228.6	224.3	221.0	220.0	218.9	216.7	216.7
10°	270.6	265.2	256.6	244.8	237.2	229.7	226.4	226.4	225.3	224.3	224.3
12.5°	305.1	298.7	283.6	267.4	252.3	241.5	239.4	242.6	249.1	250.1	250.1
15°	355.8	348.3	328.9	303.0	279.3	264.2	266.3	274.9	283.6	286.8	286.8
17.5°	418.3	409.7	381.7	343.9	312.7	298.7	297.6	309.4	321.3	327.8	327.8
20°	502.4	488.4	451.8	397.9	354.7	338.6	332.1	342.9	361.2	368.7	366.6
22.5°	607.0	590.9	539.1	457.2	403.2	374.1	365.5	377.4	400.0	409.7	408.6
25°	745.0	728.9	644.8	531.6	450.7	405.4	400.0	417.3	450.7	470.1	467.9
27.5°	905.7	878.7	766.6	614.6	497.1	431.3	432.4	461.5	496.0	517.5	515.4
30°	1077.1	1042.6	889.5	694.4	540.2	460.4	458.2	492.7	528.3	551.0	551.0
32.5°	1303.5	1252.9	1031.8	770.9	573.6	483.0	475.5	514.3	551.0	574.7	573.6
35°	1546.1	1478.2	1180.6	851.8	601.6	494.9	486.3	526.2	563.9	591.9	591.9
37.5°	1824.3	1709.0	1319.7	907.8	621.0	501.4	489.5	534.8	581.2	610.3	608.1
40°	1971.0	1841.6	1386.6	932.6	624.3	502.4	494.9	542.3	581.2	591.9	586.5
42.5°	2134.8	1967.7	1414.6	902.5	612.4	500.3	498.1	534.8	552.0	548.8	545.6
45°	2341.9	2116.5	1441.6	864.7	584.4	497.1	492.7	514.3	515.4	502.4	498.1
47.5°	2606.0	2321.4	1485.8	819.4	556.4	489.5	484.1	493.8	475.5	451.8	444.2
50°	2889.6	2558.6	1540.8	780.6	530.5	479.8	474.4	471.2	452.8	429.1	424.8
52.5°	3136.5	2719.2	1555.8	739.6	513.2	473.3	466.9	463.6	446.4	419.4	414.0
55°	3357.5	2856.2	1503.0	678.2	499.2	469.0	466.9	466.9	448.5	420.5	415.1
57.5°	3794.2	3183.9	1522.4	615.7	480.9	467.9	471.2	472.3	455.0	428.0	422.7
60°	3807.1	3121.4	1409.2	571.4	464.7	467.9	475.5	477.6	465.8	447.5	444.2
62.5°	3931.1	3123.6	1257.2	514.3	453.9	465.8	478.7	486.3	487.3	476.6	474.4
65°	3976.4	3078.3	1147.2	469.0	438.8	460.4	479.8	498.1	504.6	499.2	497.1
67.5°	3802.8	2870.2	997.3	438.8	423.7	451.8	478.7	501.4	515.4	518.6	518.6
70°	3574.2	2636.2	863.6	409.7	407.6	439.9	471.2	501.4	520.8	529.4	529.4
72.5°	2994.2	2165.0	712.7	379.5	386.0	421.6	455.0	491.7	513.2	520.8	517.5
75°	2504.7	1782.3	586.5	353.7	364.4	398.9	432.4	467.9	483.0	487.3	484.1
77.5°	2118.7	1482.5	482.0	329.9	338.6	369.8	400.0	424.8	434.5	432.4	427.0
80°	1707.9	1156.9	395.7	300.8	309.4	334.2	355.8	375.2	384.9	379.5	376.3
82.5°	1359.6	919.7	337.5	274.9	278.2	298.7	313.8	328.9	345.0	340.7	332.1
85°	1006.0	677.1	286.8	246.9	246.9	262.0	269.6	283.6	306.2	305.1	301.9
87.5°	687.9	482.0	243.7	218.9	217.8	226.4	230.7	245.8	274.9	276.0	272.8
90°	452.8	329.9	203.8	189.8	187.6	194.1	197.3	210.2	234.0	236.1	231.8
92.5°	294.3	228.6	167.1	160.7	159.6	165.0	163.9	172.5	188.7	187.6	184.4
95°	188.7	159.6	135.9	132.6	129.4	135.9	133.7	135.9	144.5	142.3	142.3
97.5°	130.5	121.8	112.1	106.7	104.6	111.1	108.9	108.9	113.2	108.9	106.7
100°	100.3	97.0	92.7	88.4	84.1	89.5	89.5	89.5	92.7	86.3	84.1
102.5°	77.6	76.6	76.6	73.3	70.1	74.4	75.5	76.6	75.5	69.0	67.9
105°	61.5	61.5	63.6	60.4	59.3	62.5	63.6	62.5	62.5	57.1	57.1
107.5°	48.5	50.7	52.8	50.7	50.7	52.8	52.8	52.8	50.7	47.4	48.5
110°	39.9	42.0	45.3	43.1	43.1	45.3	44.2	43.1	42.0	41.0	41.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	34.5	35.6	37.7	36.7	37.7	38.8	37.7	35.6	35.6	35.6	36.7
115°	29.1	31.3	33.4	32.3	32.3	33.4	31.3	30.2	30.2	31.3	31.3
117.5°	25.9	28.0	29.1	29.1	28.0	29.1	27.0	25.9	27.0	28.0	28.0
120°	23.7	24.8	25.9	25.9	24.8	24.8	23.7	22.6	23.7	24.8	25.9
122.5°	21.6	22.6	22.6	23.7	22.6	21.6	20.5	20.5	21.6	22.6	22.6
125°	19.4	20.5	20.5	20.5	20.5	19.4	18.3	18.3	19.4	20.5	21.6
127.5°	17.3	18.3	18.3	19.4	18.3	17.3	16.2	17.3	18.3	19.4	19.4
130°	17.3	17.3	17.3	17.3	16.2	15.1	15.1	15.1	17.3	18.3	18.3
132.5°	16.2	17.3	16.2	16.2	15.1	12.9	12.9	14.0	16.2	17.3	17.3
135°	15.1	15.1	14.0	14.0	12.9	11.9	10.8	12.9	14.0	15.1	15.1
137.5°	12.9	12.9	11.9	10.8	10.8	9.7	9.7	10.8	12.9	14.0	14.0
140°	9.7	10.8	9.7	8.6	8.6	7.5	8.6	9.7	11.9	11.9	11.9
142.5°	7.5	8.6	7.5	6.5	6.5	6.5	6.5	8.6	10.8	10.8	10.8
145°	6.5	6.5	6.5	5.4	4.3	4.3	5.4	7.5	9.7	9.7	9.7
147.5°	5.4	5.4	5.4	4.3	3.2	3.2	4.3	6.5	7.5	7.5	7.5
150°	4.3	4.3	4.3	4.3	3.2	2.2	3.2	5.4	6.5	6.5	6.5
152.5°	4.3	4.3	4.3	3.2	2.2	1.1	2.2	4.3	5.4	5.4	5.4
155°	3.2	3.2	3.2	3.2	2.2	1.1	1.1	3.2	4.3	4.3	4.3
157.5°	3.2	3.2	3.2	2.2	1.1	0.0	1.1	3.2	4.3	3.2	3.2
160°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	2.2	3.2	2.2	2.2
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)