

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: P417135

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417135
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-PA1-90-730-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8858 lumens
Efficiency: N/A
Efficacy: 94.2 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

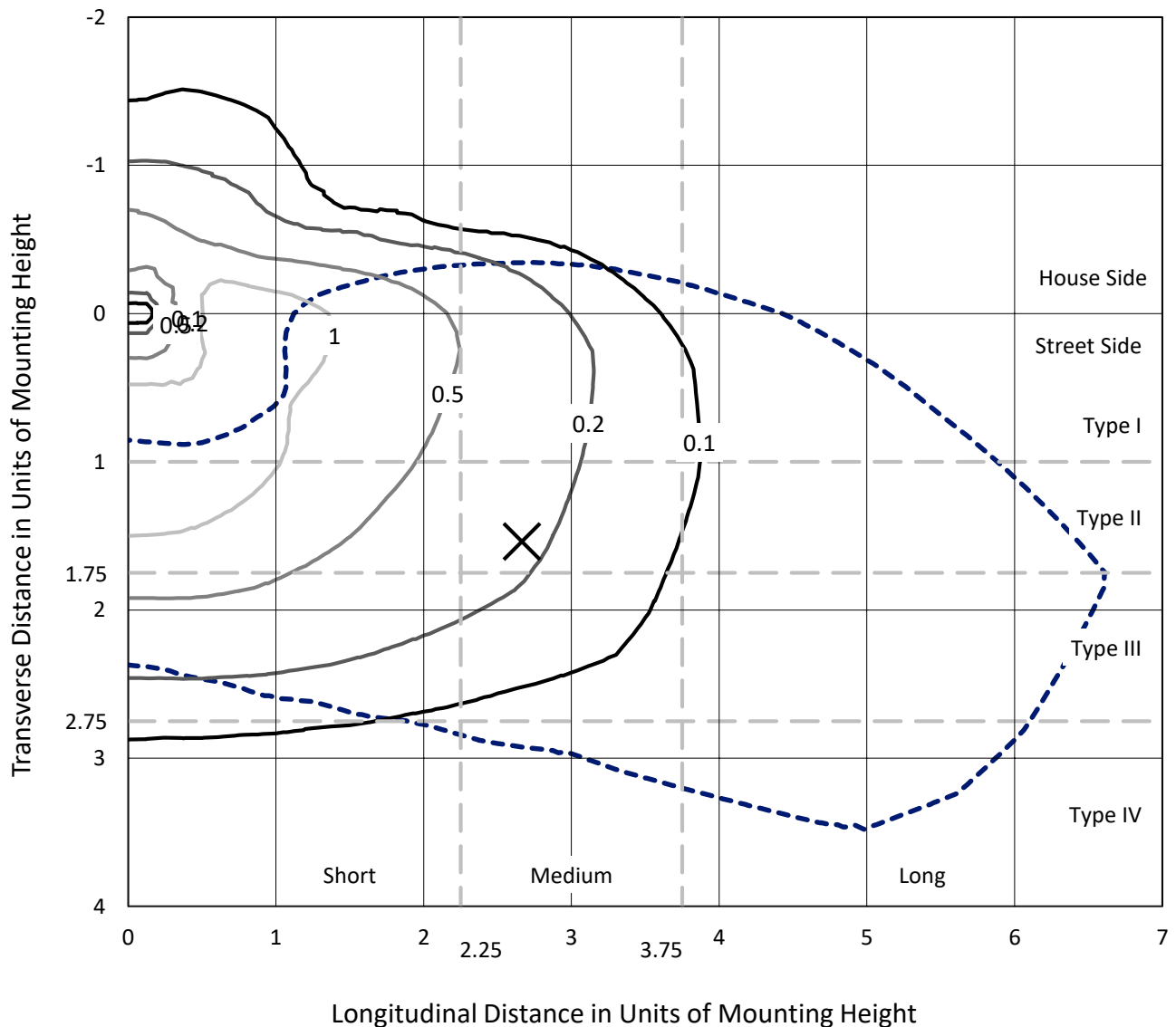
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

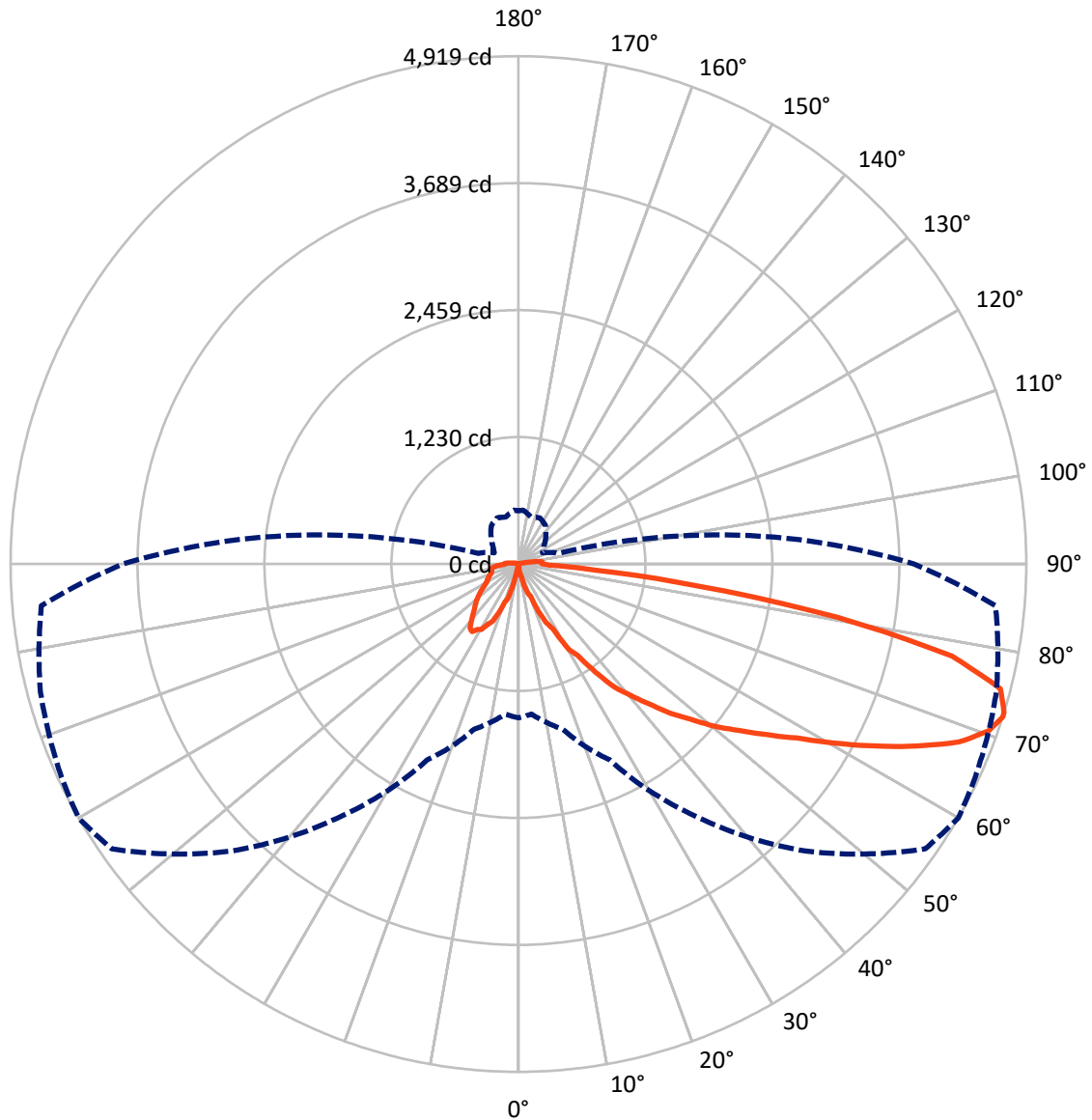
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	1936.0	94.5	2030.4
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6744.6	82.9	6827.6
	% Fixture	76.1	0.9	77.1
Total	Lumens	8680.6	177.4	8858.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	72.4	0.8
20°-30°	302.0	3.4
30°-40°	697.7	7.9
40°-50°	1225.0	13.8
50°-60°	1851.6	20.9
60°-70°	2282.9	25.8
70°-80°	1762.6	19.9
80°-90°	481.6	5.4
90°-100°	130.8	1.5
100°-110°	22.6	0.3
110°-120°	8.7	0.1
120°-130°	6.2	0.1
130°-140°	4.1	0.0
140°-150°	3.3	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8680.6	98.0
0°-180°	8858.0	100.0



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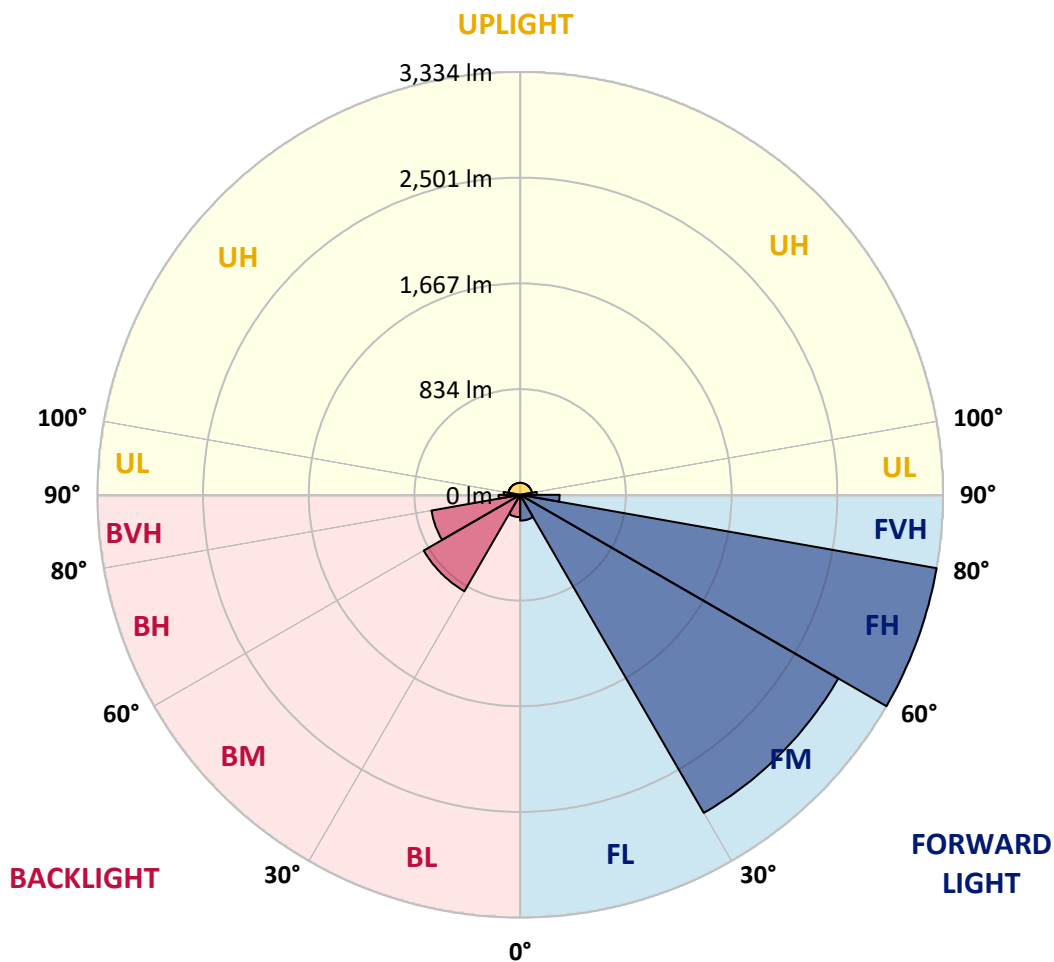
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.3	2.3			
FM	(30°-60°)	2896.2	32.7			
FH	(60°-80°)	3334.1	37.6			G2/5000
FVH	(80°-90°)	311.0	3.5			G3/500
BL	(0°-30°)	176.0	2.0	B1/500		
BM	(30°-60°)	878.1	9.9	B1/1000		
BH	(60°-80°)	711.4	8.0	B2/1000		G2/1000
BVH	(80°-90°)	170.6	1.9			G2/225
UL	(90°-100°)	130.8	1.5		U3/500	
UH	(100°-180°)	94.5	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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	11.8	10.8	9.8	9.8	10.8	9.8	8.8	7.9	6.9	6.9	5.9
5°	110.0	107.0	106.1	85.4	39.3	30.4	13.7	10.8	8.8	6.9	5.9
7.5°	121.8	120.8	119.8	119.8	117.8	111.9	63.8	31.4	17.7	8.8	7.9
10°	139.4	137.5	131.6	128.6	125.7	123.7	114.9	109.0	49.1	14.7	12.8
12.5°	248.4	244.5	238.6	176.8	151.2	133.5	130.6	125.7	109.0	45.2	91.3
15°	267.1	266.1	262.2	259.2	251.4	166.9	202.3	230.8	261.2	213.1	237.6
17.5°	335.8	326.0	300.5	285.7	280.8	306.4	292.6	297.5	297.5	286.7	272.0
20°	501.8	494.9	482.1	425.2	320.1	394.7	386.9	329.0	338.8	419.3	487.0
22.5°	604.9	598.0	571.5	535.2	528.3	438.9	456.6	498.8	510.6	588.2	587.2
25°	820.9	808.1	751.2	644.2	657.9	566.6	637.3	627.5	597.0	648.1	665.8
27.5°	1002.6	991.8	964.3	910.3	763.0	792.4	724.7	711.9	793.4	936.8	933.8
30°	1202.9	1144.0	1070.3	1053.6	944.6	898.5	916.2	958.4	988.8	1002.6	1036.9
32.5°	1459.2	1452.3	1397.3	1180.3	1145.9	1027.1	1111.6	1053.6	1077.2	1275.6	1393.4
35°	1636.9	1654.6	1557.4	1427.8	1264.8	1261.8	1226.5	1284.4	1397.3	1424.8	1506.3
37.5°	2051.3	2056.2	1968.8	1598.6	1492.6	1390.4	1500.4	1516.1	1547.6	1594.7	1663.4
40°	2363.6	2319.4	2211.4	1936.4	1705.7	1594.7	1673.3	1671.3	1740.0	1826.4	1869.6
42.5°	2748.5	2699.4	2505.9	2194.7	1978.6	1855.9	1863.8	1847.1	1904.0	2040.5	2067.0
45°	3071.6	3050.0	2900.7	2572.7	2280.1	2132.8	2079.8	2059.2	2087.6	2259.5	2274.2
47.5°	3376.9	3319.0	3221.8	2889.9	2718.1	2450.0	2297.8	2248.7	2257.5	2452.9	2496.1
50°	3700.0	3602.8	3483.0	3191.4	3066.6	2848.7	2548.2	2471.6	2474.5	2655.2	2728.9
52.5°	3891.5	3737.3	3659.7	3418.2	3292.5	3183.5	2810.4	2677.8	2691.5	2862.4	2974.3
55°	3772.7	3726.5	3728.5	3584.1	3490.9	3363.2	3064.7	2916.4	2932.1	3132.4	3272.9
57.5°	3572.4	3607.7	3732.4	3726.5	3674.5	3549.8	3318.0	3179.6	3269.9	3437.8	3586.1
60°	3418.2	3458.4	3660.7	3764.8	3862.0	3770.7	3580.2	3520.3	3604.8	3751.1	3928.8
62.5°	3160.9	3193.3	3471.2	3746.2	3857.1	3959.2	3829.6	3883.6	3961.2	4084.9	4301.0
65°	2809.4	2801.5	3147.2	3575.3	3824.7	4064.3	4150.7	4249.9	4320.6	4453.2	4649.6
67.5°	2394.0	2433.3	2723.9	3207.1	3698.0	4117.3	4420.8	4602.4	4646.6	4697.7	4839.1
70°	1955.1	1953.1	2207.4	2721.0	3426.0	4087.9	4677.1	4834.2	4835.1	4804.7	4846.9
72°	1490.6	1459.2	1655.6	2093.5	2975.3	3929.8	4808.6	4918.6	4882.3	4791.9	4637.8
72.5°	1279.5	1308.0	1492.6	1971.8	2773.0	3851.2	4822.4	4917.6	4878.4	4779.2	4574.9
75°	649.1	607.8	712.9	1056.6	1912.8	3111.8	4723.2	4821.4	4711.4	4587.7	4011.3
77.5°	254.3	261.2	302.4	456.6	930.9	2049.3	4077.1	4291.1	4220.4	4133.0	3163.9
80°	178.7	178.7	202.3	260.2	477.2	832.7	2825.1	3136.4	3245.4	3288.6	2116.1
82.5°	129.6	131.6	154.2	181.7	340.7	399.7	1387.5	1743.0	1914.8	2075.9	1183.3
85°	120.8	120.8	123.7	121.8	243.5	284.8	504.7	744.3	860.2	1008.5	478.2
87.5°	57.0	61.9	91.3	72.7	119.8	175.8	274.9	298.5	305.4	346.6	343.7
90°	37.3	37.3	30.4	31.4	58.9	142.4	220.9	225.8	217.0	254.3	320.1
92.5°	38.3	39.3	28.5	29.5	46.2	130.6	226.8	230.8	223.9	267.1	339.8
95°	35.4	35.4	24.5	25.5	36.3	100.2	226.8	230.8	211.1	266.1	339.8
97.5°	29.5	30.4	19.6	20.6	28.5	49.1	157.1	168.9	134.5	135.5	166.0
100°	25.5	25.5	15.7	16.7	20.6	22.6	79.5	83.5	74.6	33.4	22.6
102.5°	25.5	25.5	13.7	13.7	13.7	12.8	24.5	41.2	34.4	19.6	21.6
105°	24.5	25.5	12.8	10.8	10.8	9.8	12.8	15.7	15.7	15.7	22.6
107.5°	19.6	20.6	9.8	9.8	8.8	8.8	6.9	6.9	9.8	14.7	24.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	15.7	15.7	7.9	8.8	6.9	7.9	5.9	5.9	8.8	10.8	18.7
112.5°	8.8	8.8	5.9	6.9	5.9	6.9	5.9	5.9	6.9	8.8	11.8
115°	7.9	7.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9	7.9	12.8
117.5°	7.9	7.9	4.9	4.9	4.9	3.9	3.9	4.9	4.9	7.9	12.8
120°	7.9	7.9	4.9	4.9	3.9	3.9	3.9	4.9	4.9	7.9	12.8
122.5°	8.8	7.9	4.9	3.9	3.9	3.9	3.9	3.9	4.9	6.9	12.8
125°	8.8	7.9	5.9	3.9	3.9	3.9	3.9	3.9	4.9	6.9	10.8
127.5°	8.8	8.8	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	9.8
130°	8.8	7.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	8.8
132.5°	7.9	7.9	5.9	3.9	4.9	3.9	3.9	3.9	3.9	4.9	6.9
135°	6.9	6.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	5.9
137.5°	6.9	6.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9
140°	6.9	6.9	5.9	5.9	5.9	4.9	3.9	3.9	3.9	4.9	4.9
142.5°	7.9	7.9	6.9	5.9	5.9	4.9	3.9	3.9	4.9	4.9	4.9
145°	8.8	8.8	7.9	6.9	5.9	3.9	3.9	4.9	4.9	4.9	5.9
147.5°	8.8	8.8	7.9	5.9	4.9	3.9	3.9	4.9	4.9	5.9	5.9
150°	7.9	7.9	6.9	4.9	3.9	2.9	3.9	3.9	4.9	5.9	5.9
152.5°	5.9	5.9	4.9	3.9	2.9	2.0	2.9	3.9	3.9	4.9	5.9
155°	3.9	3.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	3.9	4.9
157.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9	2.9	3.9
160°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9	2.9	2.9
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	5.9	5.9	5.9	5.9	5.9	5.9	6.9	6.9	6.9	7.9	8.8
5°	5.9	5.9	5.9	5.9	6.9	7.9	8.8	9.8	10.8	11.8	11.8
7.5°	6.9	6.9	6.9	7.9	8.8	10.8	24.5	86.4	117.8	128.6	125.7
10°	12.8	12.8	11.8	11.8	13.7	114.9	146.3	159.1	166.0	173.8	173.8
12.5°	102.1	117.8	42.2	23.6	113.9	161.0	172.8	181.7	187.6	195.4	195.4
15°	246.5	250.4	257.3	231.7	223.9	182.6	190.5	258.3	339.8	361.4	363.3
17.5°	276.9	281.8	286.7	339.8	361.4	279.9	322.1	362.3	370.2	378.1	378.1
20°	528.3	536.1	435.0	389.8	381.0	474.3	364.3	374.1	387.9	457.6	464.5
22.5°	599.0	603.9	565.6	590.2	432.1	495.9	479.2	479.2	536.1	540.1	541.1
25°	671.7	699.2	626.5	606.8	614.7	501.8	565.6	510.6	518.5	524.4	525.3
27.5°	980.0	976.1	917.1	694.2	616.7	607.8	548.9	503.7	589.2	611.8	612.7
30°	1041.9	1032.0	979.0	813.1	640.2	601.9	517.5	582.3	566.6	569.5	570.5
32.5°	1432.7	1417.0	1266.7	822.9	668.7	555.8	561.7	542.0	544.0	604.9	606.8
35°	1530.9	1509.3	1298.1	951.5	637.3	563.6	519.5	544.0	553.8	550.9	550.9
37.5°	1662.5	1621.2	1288.3	894.6	662.8	527.3	496.9	513.6	507.7	545.0	543.0
40°	1805.8	1747.9	1293.2	829.8	601.0	494.9	476.2	491.0	487.0	476.2	468.4
42.5°	1988.5	1888.3	1292.3	775.7	544.0	484.1	449.7	448.8	432.1	414.4	408.5
45°	2175.0	2036.6	1296.2	713.9	500.8	475.3	435.0	411.4	396.7	378.1	373.1
47.5°	2379.3	2194.7	1308.0	664.8	467.4	448.8	416.3	387.9	377.1	353.5	351.5
50°	2620.8	2360.6	1311.9	625.5	428.1	425.2	402.6	371.2	354.5	330.9	329.0
52.5°	2881.1	2536.4	1318.8	567.6	397.7	416.3	410.5	367.3	360.4	329.9	328.0
55°	3127.5	2703.3	1316.8	497.9	383.9	408.5	410.5	392.8	382.0	331.9	328.0
57.5°	3424.1	2884.0	1287.3	433.0	362.3	396.7	430.1	415.4	403.6	362.3	354.5
60°	3689.2	3070.6	1199.9	383.0	343.7	383.9	446.8	432.1	398.7	372.2	364.3
62.5°	3999.5	3231.6	1078.2	346.6	336.8	387.9	452.7	442.9	401.6	392.8	389.8
65°	4209.6	3292.5	893.6	317.2	335.8	387.9	450.7	452.7	423.2	432.1	431.1
67.5°	4235.2	3213.9	677.5	294.6	324.0	387.9	447.8	472.3	442.9	479.2	481.2
70°	4112.4	3017.5	493.9	272.0	311.3	383.0	448.8	485.1	457.6	514.5	510.6
72°	3829.6	2720.0	399.7	257.3	300.5	375.1	455.6	492.0	470.4	523.4	514.5
72.5°	3756.0	2628.7	382.0	255.3	298.5	374.1	457.6	493.9	471.3	532.2	521.4
75°	3143.2	2093.5	328.0	240.6	301.5	369.2	467.4	492.9	477.2	538.1	540.1
77.5°	2381.2	1411.1	290.7	227.8	300.5	360.4	464.5	485.1	468.4	517.5	528.3
80°	1473.9	820.9	258.3	226.8	298.5	356.4	451.7	464.5	443.8	483.1	486.1
82.5°	806.2	480.2	223.9	222.9	289.7	345.6	427.2	440.9	421.3	464.5	434.0
85°	412.4	326.0	167.9	182.6	253.3	325.0	398.7	397.7	378.1	393.8	372.2
87.5°	318.2	256.3	109.0	131.6	207.2	268.1	328.0	325.0	299.5	301.5	292.6
90°	292.6	228.8	71.7	93.3	172.8	192.5	227.8	219.0	201.3	205.2	202.3
92.5°	294.6	225.8	68.7	99.2	166.0	172.8	209.2	198.4	180.7	182.6	176.8
95°	287.7	217.0	68.7	87.4	137.5	122.7	150.2	146.3	131.6	124.7	121.8
97.5°	137.5	108.0	63.8	64.8	77.6	66.8	91.3	98.2	78.6	62.8	62.8
100°	23.6	36.3	56.0	65.8	56.0	42.2	57.9	66.8	45.2	20.6	22.6
102.5°	23.6	22.6	43.2	56.0	40.3	22.6	33.4	44.2	28.5	15.7	16.7
105°	25.5	23.6	20.6	38.3	23.6	11.8	12.8	22.6	15.7	15.7	15.7
107.5°	27.5	25.5	14.7	14.7	11.8	10.8	9.8	8.8	10.8	15.7	16.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.6	20.6	13.7	11.8	10.8	10.8	7.9	7.9	10.8	16.7	16.7
112.5°	14.7	14.7	11.8	9.8	8.8	10.8	7.9	7.9	9.8	16.7	17.7
115°	14.7	14.7	10.8	8.8	7.9	8.8	7.9	6.9	9.8	16.7	17.7
117.5°	14.7	14.7	10.8	7.9	6.9	6.9	5.9	6.9	9.8	16.7	17.7
120°	14.7	14.7	10.8	7.9	6.9	5.9	5.9	5.9	9.8	16.7	17.7
122.5°	13.7	13.7	9.8	6.9	5.9	4.9	4.9	5.9	8.8	15.7	16.7
125°	12.8	12.8	8.8	6.9	5.9	4.9	4.9	4.9	8.8	14.7	15.7
127.5°	11.8	11.8	8.8	5.9	4.9	4.9	4.9	4.9	7.9	13.7	14.7
130°	9.8	9.8	7.9	5.9	4.9	3.9	4.9	4.9	7.9	12.8	12.8
132.5°	7.9	7.9	5.9	4.9	4.9	3.9	3.9	4.9	6.9	10.8	11.8
135°	5.9	5.9	5.9	4.9	4.9	3.9	3.9	3.9	5.9	8.8	9.8
137.5°	4.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	5.9	7.9	7.9
140°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	3.9	5.9	6.9	7.9
142.5°	4.9	5.9	4.9	4.9	4.9	3.9	3.9	4.9	5.9	7.9	7.9
145°	5.9	5.9	5.9	4.9	4.9	2.9	2.9	4.9	5.9	7.9	7.9
147.5°	5.9	5.9	5.9	4.9	3.9	2.9	2.9	3.9	5.9	7.9	7.9
150°	5.9	5.9	5.9	4.9	3.9	2.0	2.0	3.9	4.9	6.9	7.9
152.5°	5.9	5.9	4.9	4.9	2.9	2.0	1.0	2.9	3.9	5.9	5.9
155°	4.9	4.9	4.9	3.9	2.9	1.0	0.0	1.0	2.9	4.9	4.9
157.5°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	1.0	1.0	2.9	2.9
160°	2.9	2.9	2.9	2.9	2.0	1.0	0.0	0.0	1.0	2.0	2.0
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)