

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: P417247

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-750-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9368 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - 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

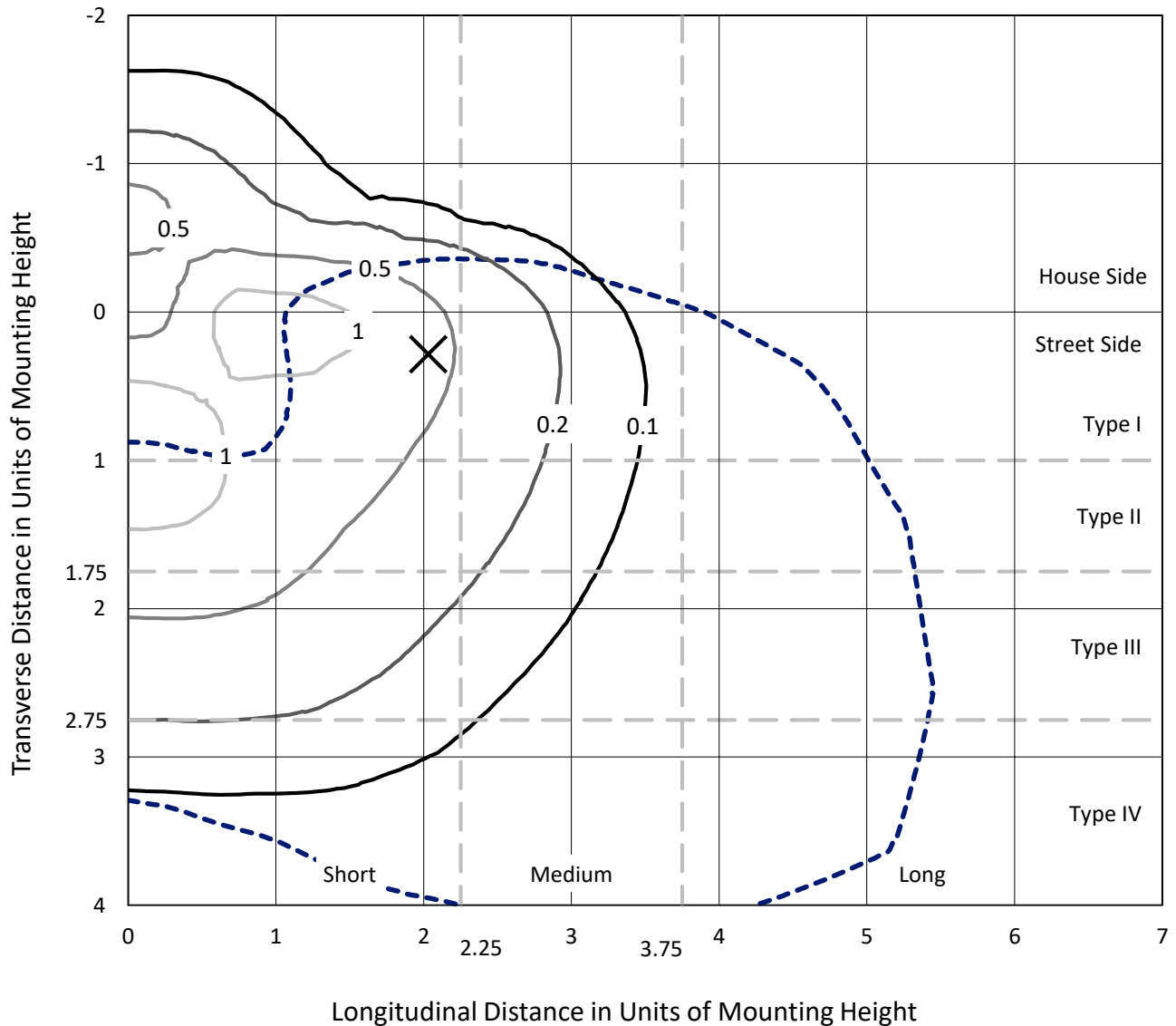


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

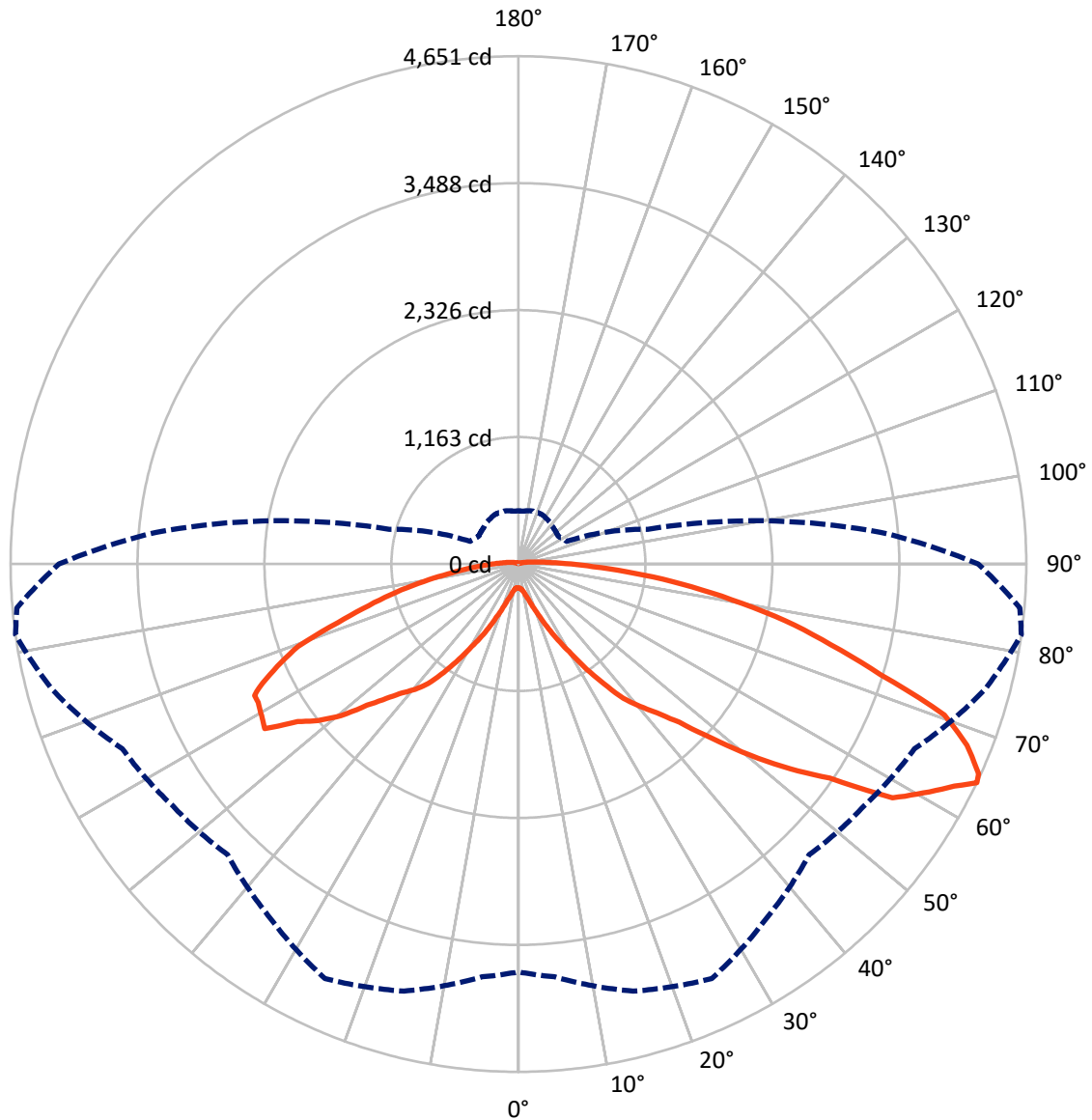


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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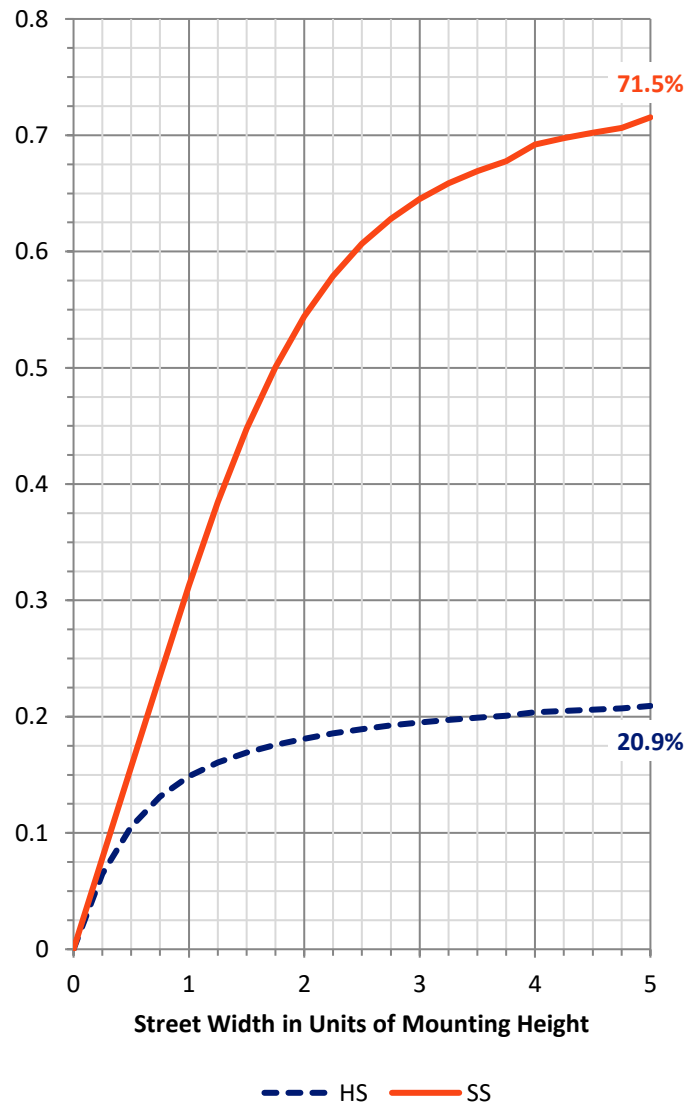
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2059.4	154.3	2213.7
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	6952.2	202.2	7154.3
	% Fixture	74.2	2.2	76.4
Total	Lumens	9011.6	356.5	9368.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.2
10°-20°	96.4	1.0
20°-30°	277.7	3.0
30°-40°	637.5	6.8
40°-50°	1119.6	12.0
50°-60°	1798.4	19.2
60°-70°	2414.1	25.8
70°-80°	1845.8	19.7
80°-90°	799.5	8.5
90°-100°	224.6	2.4
100°-110°	68.2	0.7
110°-120°	29.9	0.3
120°-130°	17.1	0.2
130°-140°	10.4	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°	9011.6	96.2
0°-180°	9368.0	100.0



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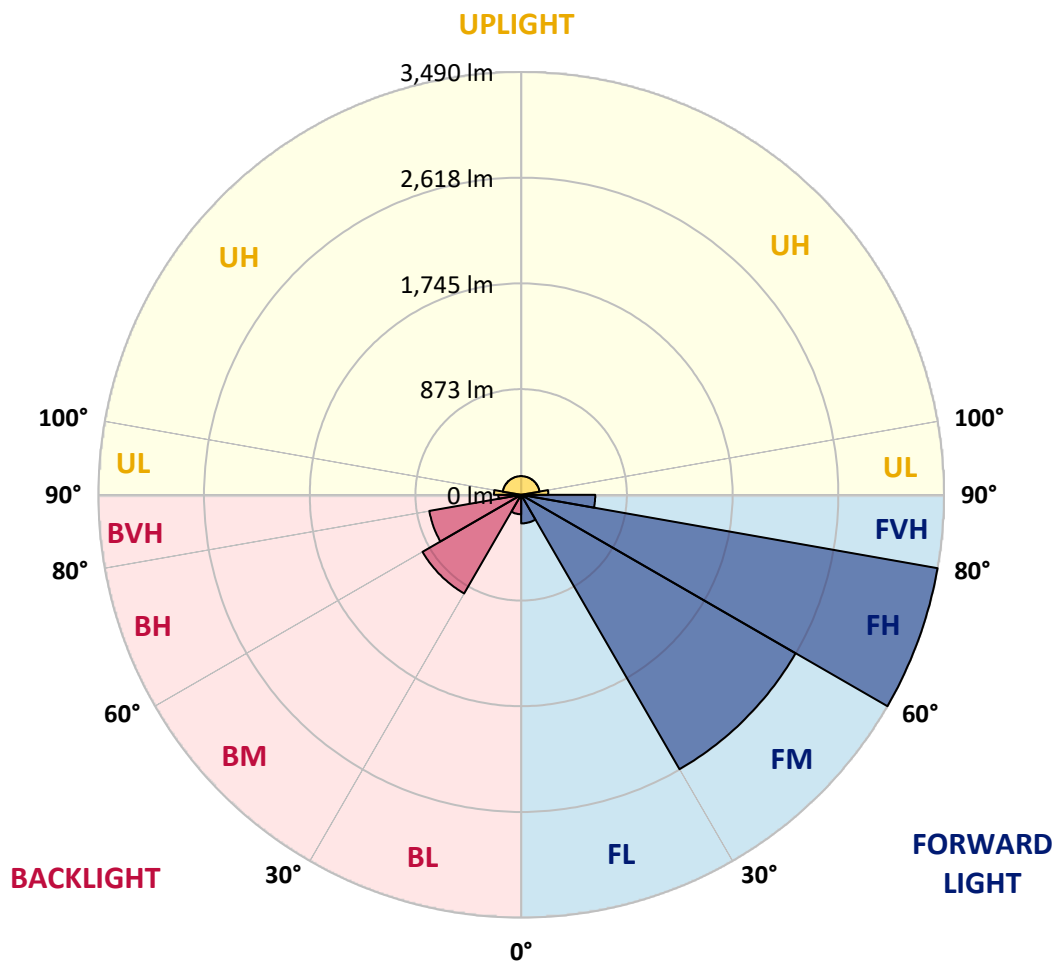
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.9	2.5			
FM	(30°-60°)	2615.1	27.9			
FH	(60°-80°)	3490.1	37.3			G2/5000
FVH	(80°-90°)	611.1	6.5			G4/750
BL	(0°-30°)	160.7	1.7	B1/500		
BM	(30°-60°)	940.5	10.0	B1/1000		
BH	(60°-80°)	769.8	8.2	B2/1000		G2/1000
BVH	(80°-90°)	188.3	2.0			G2/225
UL	(90°-100°)	224.6	2.4		U3/500	
UH	(100°-180°)	154.3	1.6		U3/500	

BUG Rating: B2-U3-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9
2.5°	235.0	234.0	234.0	235.0	235.0	232.9	228.6	225.3	222.1	221.0	220.0
5°	256.6	255.5	254.5	255.5	252.3	249.1	242.6	236.1	231.8	227.5	226.4
7.5°	285.7	284.6	283.6	281.4	277.1	270.6	260.9	252.3	244.7	239.4	237.2
10°	323.5	319.1	318.1	313.8	306.2	295.4	284.6	273.9	265.2	257.7	254.5
12.5°	375.2	375.2	366.6	356.9	343.9	327.8	313.8	305.1	296.5	292.2	285.7
15°	438.8	436.7	428.0	411.9	390.3	372.0	356.9	346.1	340.7	333.2	329.9
17.5°	508.9	504.6	497.0	472.2	446.4	427.0	409.7	398.9	395.7	389.2	388.1
20°	600.6	594.1	575.8	545.6	510.0	488.4	472.2	460.4	459.3	461.5	460.4
22.5°	709.5	705.1	682.5	627.5	587.6	556.3	534.8	536.9	551.0	557.4	548.8
25°	839.9	844.2	806.5	733.2	680.3	627.5	618.9	630.7	662.0	679.3	680.3
27.5°	994.1	993.0	943.4	862.6	780.6	721.3	707.3	741.8	786.0	810.8	810.8
30°	1166.6	1181.7	1111.6	1006.0	891.7	821.6	810.8	863.6	910.0	954.2	967.1
32.5°	1396.3	1393.0	1302.5	1175.2	1023.2	924.0	915.4	982.2	1086.8	1148.3	1148.3
35°	1682.0	1670.1	1544.0	1353.1	1149.4	1038.3	1039.4	1132.1	1270.1	1345.6	1353.1
37.5°	1927.8	1937.5	1810.3	1578.5	1312.2	1168.8	1181.7	1306.8	1472.8	1561.2	1591.4
40°	2190.9	2194.1	2054.0	1801.7	1487.9	1307.8	1339.1	1483.6	1641.0	1714.3	1743.4
42.5°	2422.7	2442.1	2301.9	2025.9	1665.8	1478.2	1493.3	1619.4	1775.8	1863.1	1904.1
45°	2582.3	2593.1	2506.8	2231.9	1858.8	1651.8	1649.6	1767.2	1968.8	2065.8	2131.6
47.5°	2799.0	2828.1	2704.1	2438.9	2057.2	1828.6	1810.3	1961.2	2226.5	2383.9	2440.0
50°	3053.4	3097.6	3010.3	2690.1	2283.6	2036.7	2039.9	2220.0	2546.7	2752.6	2810.8
52.5°	3306.8	3324.1	3265.8	2992.0	2546.7	2279.3	2305.2	2530.5	2905.7	3117.1	3152.6
55°	3442.7	3467.5	3484.7	3268.0	2862.6	2567.2	2612.5	2884.2	3211.9	3459.9	3540.8
57.5°	3572.1	3606.6	3651.8	3504.1	3176.4	2923.0	2967.2	3208.7	3687.4	4041.1	4102.5
60°	3790.9	3821.1	3908.4	3787.7	3464.2	3262.6	3309.0	3648.6	4015.2	4258.9	4265.3
62.5°	3787.7	3835.1	4046.5	4076.6	3772.6	3589.3	3702.5	3885.8	4175.8	4482.0	4475.6
64°	3735.9	3795.2	4049.7	4189.9	3960.2	3766.1	3864.2	4002.3	4424.9	4651.3	4610.4
65°	3699.3	3765.1	4040.0	4219.0	4062.6	3866.4	3939.7	4099.3	4497.1	4631.9	4575.9
67.5°	3497.7	3571.0	3935.4	4215.7	4168.3	4023.8	4047.5	4196.3	4377.5	4430.3	4330.0
70°	3136.5	3175.3	3589.3	4038.9	4063.7	3925.7	3990.4	4066.9	4166.1	4140.3	4008.7
72.5°	2475.5	2555.3	2973.7	3614.1	3755.3	3656.2	3681.0	3718.7	3618.4	3469.6	3313.3
75°	1762.8	1834.0	2224.3	2850.7	3270.2	3230.3	3264.8	3204.4	3093.3	2957.5	2804.4
77.5°	1225.9	1248.5	1570.9	2151.0	2613.5	2735.4	2809.8	2724.6	2662.1	2499.3	2376.3
80°	793.6	831.3	1034.0	1558.0	2071.2	2320.3	2440.0	2385.0	2239.4	1979.6	1839.4
82.5°	491.7	521.8	681.4	1106.2	1642.1	1988.2	2103.6	2028.1	1795.2	1505.2	1365.0
85°	281.4	287.9	398.9	720.2	1200.0	1579.6	1733.7	1613.0	1342.4	1062.0	939.1
87.5°	161.7	167.1	238.3	441.0	830.2	1190.3	1337.0	1161.2	901.4	682.5	601.6
90°	103.5	110.0	154.2	287.9	534.8	850.7	958.5	796.8	603.8	432.4	380.6
92.5°	71.2	74.4	103.5	179.0	345.0	561.7	640.4	532.6	376.3	276.0	244.7
95°	51.8	53.9	73.3	121.8	222.1	352.6	395.7	337.5	246.9	183.3	163.9
97.5°	42.0	43.1	57.1	89.5	153.1	224.3	237.2	210.2	163.9	130.5	122.9
100°	35.6	36.7	47.4	69.0	108.9	146.6	149.9	141.2	115.4	97.0	92.7
102.5°	32.3	32.3	39.9	56.1	81.9	104.6	104.6	97.0	79.8	71.2	71.2
105°	29.1	29.1	34.5	46.4	64.7	80.9	79.8	71.2	60.4	53.9	55.0
107.5°	25.9	25.9	30.2	37.7	52.8	63.6	61.5	52.8	46.4	42.0	43.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	23.7	23.7	27.0	32.3	44.2	52.8	49.6	41.0	34.5	34.5	35.6
112.5°	21.6	21.6	23.7	29.1	37.7	43.1	39.9	32.3	28.0	28.0	29.1
115°	19.4	19.4	21.6	25.9	33.4	36.7	33.4	25.9	22.6	23.7	25.9
117.5°	18.3	18.3	20.5	23.7	29.1	31.3	28.0	21.6	19.4	21.6	22.6
120°	17.3	17.3	19.4	22.6	27.0	28.0	23.7	19.4	17.3	19.4	20.5
122.5°	17.3	17.3	18.3	21.6	24.8	24.8	21.6	17.3	15.1	17.3	18.3
125°	17.3	17.3	18.3	20.5	22.6	22.6	19.4	15.1	14.0	16.2	16.2
127.5°	18.3	18.3	19.4	20.5	21.6	20.5	17.3	14.0	12.9	15.1	15.1
130°	18.3	18.3	18.3	19.4	19.4	18.3	15.1	12.9	12.9	14.0	15.1
132.5°	18.3	18.3	18.3	18.3	18.3	16.2	14.0	11.9	12.9	14.0	15.1
135°	17.3	17.3	17.3	17.3	16.2	14.0	11.9	9.7	11.9	12.9	12.9
137.5°	15.1	16.2	15.1	15.1	15.1	12.9	9.7	8.6	9.7	11.9	11.9
140°	14.0	14.0	14.0	14.0	12.9	10.8	8.6	6.5	7.5	9.7	9.7
142.5°	12.9	12.9	12.9	11.9	11.9	9.7	6.5	5.4	6.5	7.5	7.5
145°	10.8	10.8	10.8	10.8	9.7	7.5	5.4	4.3	5.4	6.5	6.5
147.5°	8.6	8.6	8.6	8.6	7.5	6.5	4.3	4.3	5.4	5.4	5.4
150°	6.5	7.5	7.5	7.5	6.5	5.4	3.2	3.2	4.3	5.4	5.4
152.5°	5.4	5.4	5.4	6.5	5.4	3.2	2.2	3.2	4.3	4.3	4.3
155°	3.2	4.3	4.3	4.3	4.3	3.2	2.2	3.2	3.2	4.3	4.3
157.5°	2.2	2.2	3.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2	3.2
160°	1.1	1.1	2.2	3.2	3.2	3.2	2.2	2.2	3.2	3.2	3.2
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°	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9	218.9
2.5°	218.9	217.8	215.6	213.5	212.4	212.4	210.2	209.2	205.9	205.9	204.9
5°	223.2	221.0	216.7	212.4	209.2	208.1	205.9	202.7	200.5	199.5	199.5
7.5°	232.9	229.7	221.0	215.6	211.3	208.1	205.9	202.7	200.5	199.5	199.5
10°	249.1	243.7	234.0	224.3	217.8	213.5	211.3	210.2	209.2	208.1	208.1
12.5°	280.3	272.8	256.6	244.7	231.8	225.3	223.2	225.3	230.7	232.9	234.0
15°	323.5	313.8	294.3	272.8	253.4	242.6	246.9	257.7	267.4	271.7	270.6
17.5°	377.4	362.3	338.6	309.4	282.5	277.1	281.4	293.3	307.3	313.8	312.7
20°	446.4	434.5	398.9	351.5	321.3	312.7	315.9	331.0	351.5	358.0	360.1
22.5°	541.3	524.0	469.0	403.2	363.4	347.2	350.4	369.8	397.9	412.9	416.2
25°	664.2	645.8	565.0	464.7	402.2	377.4	390.3	416.2	461.5	485.2	483.0
27.5°	806.5	775.2	669.6	540.2	447.5	408.6	428.0	470.1	517.5	547.7	545.6
30°	938.0	911.1	769.8	609.2	486.3	438.8	459.3	513.2	568.2	604.9	607.0
32.5°	1135.3	1085.7	887.4	668.5	517.5	463.6	483.0	548.8	612.4	656.6	655.5
35°	1339.1	1283.0	1016.7	737.5	544.5	479.8	500.3	574.7	644.8	697.6	698.7
37.5°	1553.7	1475.0	1132.1	782.8	566.1	489.5	510.0	593.0	682.5	742.9	745.0
40°	1698.2	1608.7	1202.2	806.5	572.5	496.0	518.6	605.9	689.0	733.2	737.5
42.5°	1859.9	1733.7	1238.8	787.1	565.0	494.9	520.8	596.2	660.9	692.2	695.4
45°	2083.1	1913.8	1278.7	756.9	544.5	491.7	512.1	570.4	612.4	624.3	624.3
47.5°	2373.1	2132.7	1345.6	724.5	522.9	482.0	497.0	534.8	551.0	548.8	543.4
50°	2721.4	2443.2	1426.4	696.5	502.4	470.1	479.8	501.4	506.8	500.3	497.0
52.5°	3068.5	2693.3	1482.5	671.7	489.5	459.3	465.8	482.0	482.0	462.5	459.3
55°	3386.6	2919.7	1467.4	624.3	479.8	453.9	460.4	472.2	462.5	439.9	435.6
57.5°	3900.9	3311.1	1506.2	577.9	465.8	452.8	461.5	469.0	455.0	433.4	429.1
60°	3992.5	3295.0	1414.6	548.8	456.1	456.1	465.8	474.4	464.7	445.3	444.2
62.5°	4119.8	3310.1	1275.5	506.8	449.6	458.2	475.5	488.4	487.3	473.3	471.2
64°	4209.3	3331.6	1225.9	487.3	444.2	458.2	483.0	502.4	502.4	486.3	486.3
65°	4120.9	3249.7	1189.2	477.6	438.8	458.2	487.3	511.1	508.9	496.0	493.8
67.5°	3853.5	2983.4	1034.0	456.1	427.0	458.2	499.2	525.1	528.3	517.5	513.2
70°	3526.8	2692.2	899.2	431.3	415.1	452.8	499.2	533.7	539.1	527.2	524.0
72.5°	2874.5	2165.0	741.8	404.3	397.9	439.9	492.7	529.4	534.8	520.8	516.5
75°	2409.8	1768.2	614.6	378.4	379.5	423.7	476.6	510.0	510.0	494.9	488.4
77.5°	1985.0	1427.5	508.9	353.6	358.0	403.2	447.5	469.0	462.5	448.5	439.9
80°	1486.8	1078.2	419.4	326.7	331.0	369.8	406.5	421.6	415.1	397.9	395.7
82.5°	1087.9	775.2	358.0	298.7	301.9	333.2	360.1	373.1	378.4	364.4	360.1
85°	714.8	546.6	307.3	270.6	272.8	296.5	313.8	324.5	336.4	332.1	329.9
87.5°	466.9	378.4	259.8	238.3	240.4	259.8	271.7	282.5	306.2	309.4	305.1
90°	313.8	265.2	214.6	205.9	209.2	225.3	231.8	242.6	268.5	272.8	272.8
92.5°	210.2	189.8	173.6	173.6	179.0	193.0	194.1	197.3	218.9	224.3	222.1
95°	147.7	141.2	140.2	142.3	148.8	159.6	154.2	152.0	166.0	167.1	165.0
97.5°	113.2	111.1	113.2	116.4	119.7	130.5	125.1	119.7	126.1	124.0	126.1
100°	90.6	89.5	92.7	92.7	96.0	105.7	101.4	98.1	99.2	94.9	94.9
102.5°	72.2	72.2	75.5	76.6	78.7	86.3	85.2	81.9	79.8	75.5	76.6
105°	56.1	57.1	61.5	62.5	65.8	72.2	71.2	66.8	64.7	59.3	60.4
107.5°	45.3	47.4	50.7	51.8	55.0	60.4	58.2	53.9	50.7	48.5	48.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	37.7	38.8	42.0	43.1	46.4	50.7	49.6	44.2	39.9	38.8	39.9
112.5°	31.3	33.4	35.6	36.7	39.9	43.1	39.9	35.6	32.3	33.4	33.4
115°	27.0	28.0	30.2	31.3	33.4	36.7	33.4	29.1	27.0	28.0	29.1
117.5°	24.8	25.9	27.0	27.0	29.1	31.3	28.0	24.8	23.7	24.8	25.9
120°	21.6	22.6	23.7	24.8	25.9	27.0	24.8	21.6	20.5	22.6	22.6
122.5°	19.4	20.5	20.5	21.6	22.6	23.7	21.6	19.4	18.3	19.4	20.5
125°	17.3	18.3	19.4	19.4	20.5	20.5	19.4	17.3	17.3	18.3	18.3
127.5°	16.2	17.3	17.3	18.3	18.3	18.3	17.3	15.1	16.2	17.3	17.3
130°	16.2	16.2	16.2	16.2	16.2	16.2	15.1	14.0	15.1	16.2	16.2
132.5°	15.1	15.1	15.1	15.1	15.1	14.0	12.9	12.9	14.0	15.1	15.1
135°	14.0	14.0	12.9	12.9	12.9	12.9	11.9	11.9	11.9	12.9	12.9
137.5°	11.9	11.9	10.8	10.8	10.8	10.8	9.7	9.7	10.8	11.9	11.9
140°	9.7	9.7	8.6	8.6	8.6	8.6	8.6	8.6	9.7	9.7	10.8
142.5°	7.5	7.5	7.5	6.5	6.5	7.5	7.5	7.5	8.6	8.6	8.6
145°	6.5	6.5	6.5	5.4	5.4	6.5	6.5	6.5	7.5	7.5	7.5
147.5°	5.4	5.4	5.4	4.3	3.2	5.4	5.4	5.4	6.5	5.4	5.4
150°	5.4	5.4	4.3	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	3.2	2.2	2.2	3.2	4.3	3.2	3.2	3.2
155°	4.3	4.3	3.2	3.2	2.2	1.1	2.2	3.2	2.2	2.2	2.2
157.5°	3.2	3.2	3.2	2.2	1.1	1.1	2.2	2.2	1.1	1.1	1.1
160°	3.2	3.2	2.2	2.2	1.1	1.1	2.2	2.2	1.1	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)