

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: P415843

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415843
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-PA1-60-727-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 5928 lumens
Efficiency: N/A
Efficacy: 92.6 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: B1 - U3 - G3

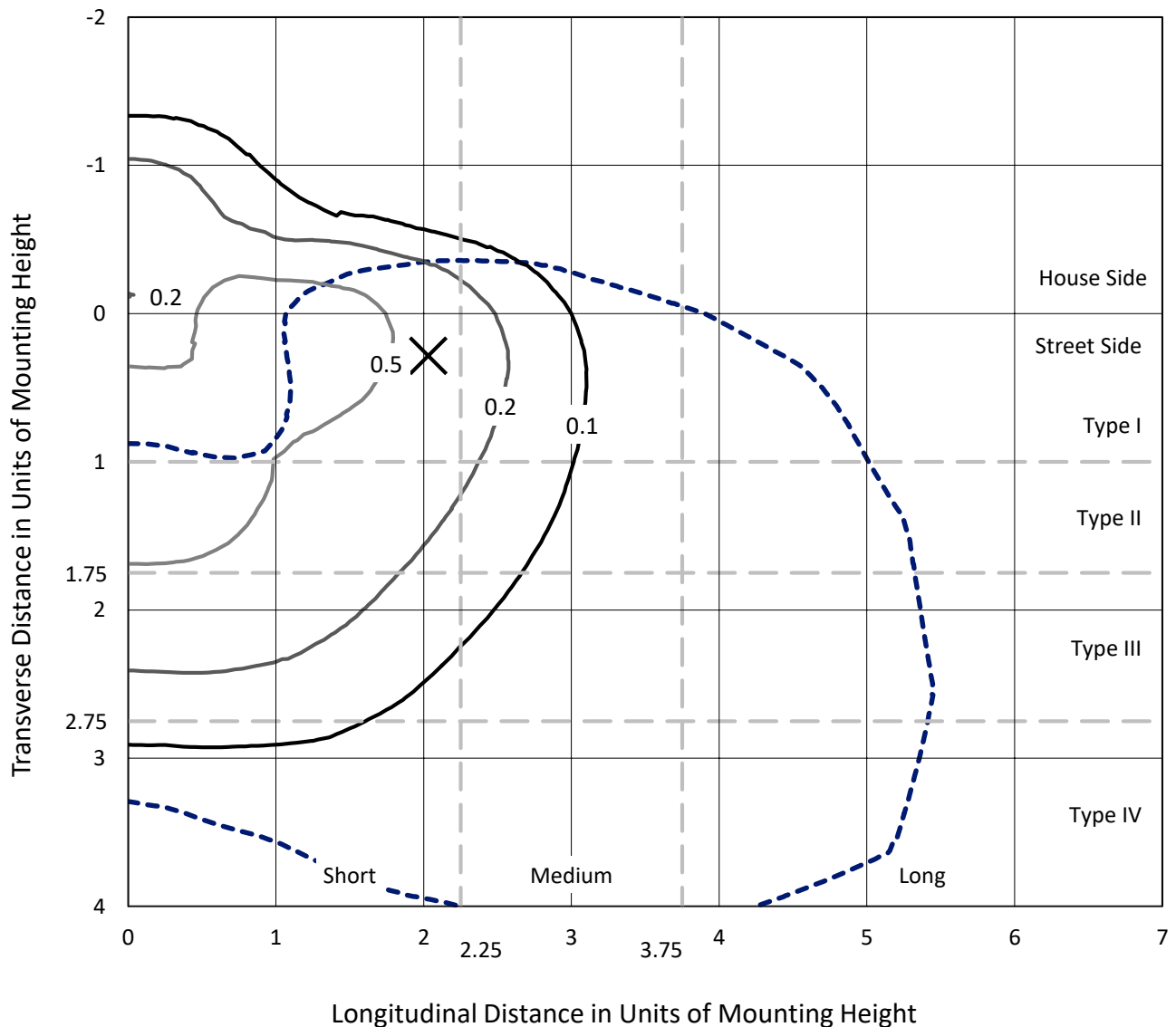
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

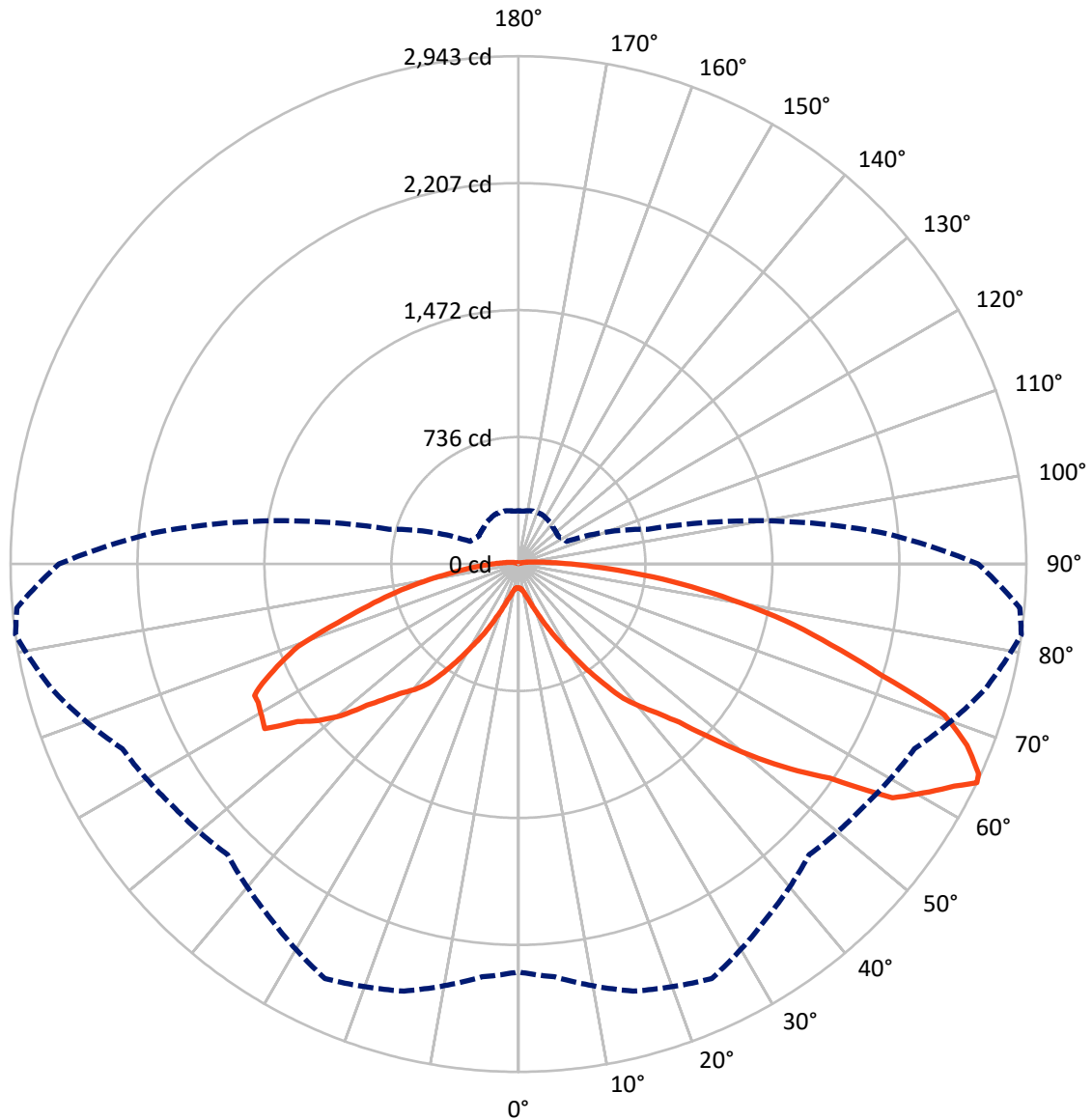


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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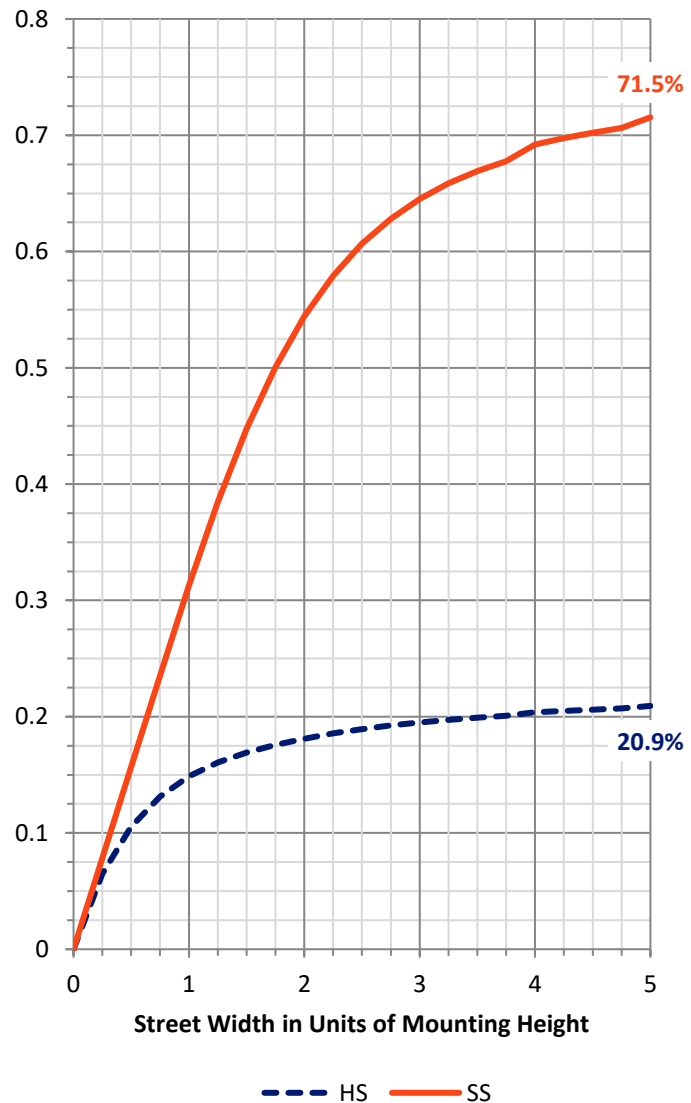
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.2	97.6	1400.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4399.3	127.9	4527.2
	% Fixture	74.2	2.2	76.4
Total	Lumens	5702.4	225.6	5928.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.2
10°-20°	61.0	1.0
20°-30°	175.7	3.0
30°-40°	403.4	6.8
40°-50°	708.5	12.0
50°-60°	1138.0	19.2
60°-70°	1527.6	25.8
70°-80°	1168.0	19.7
80°-90°	505.9	8.5
90°-100°	142.1	2.4
100°-110°	43.1	0.7
110°-120°	18.9	0.3
120°-130°	10.8	0.2
130°-140°	6.6	0.1
140°-150°	2.9	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5702.4	96.2
0°-180°	5928.0	100.0



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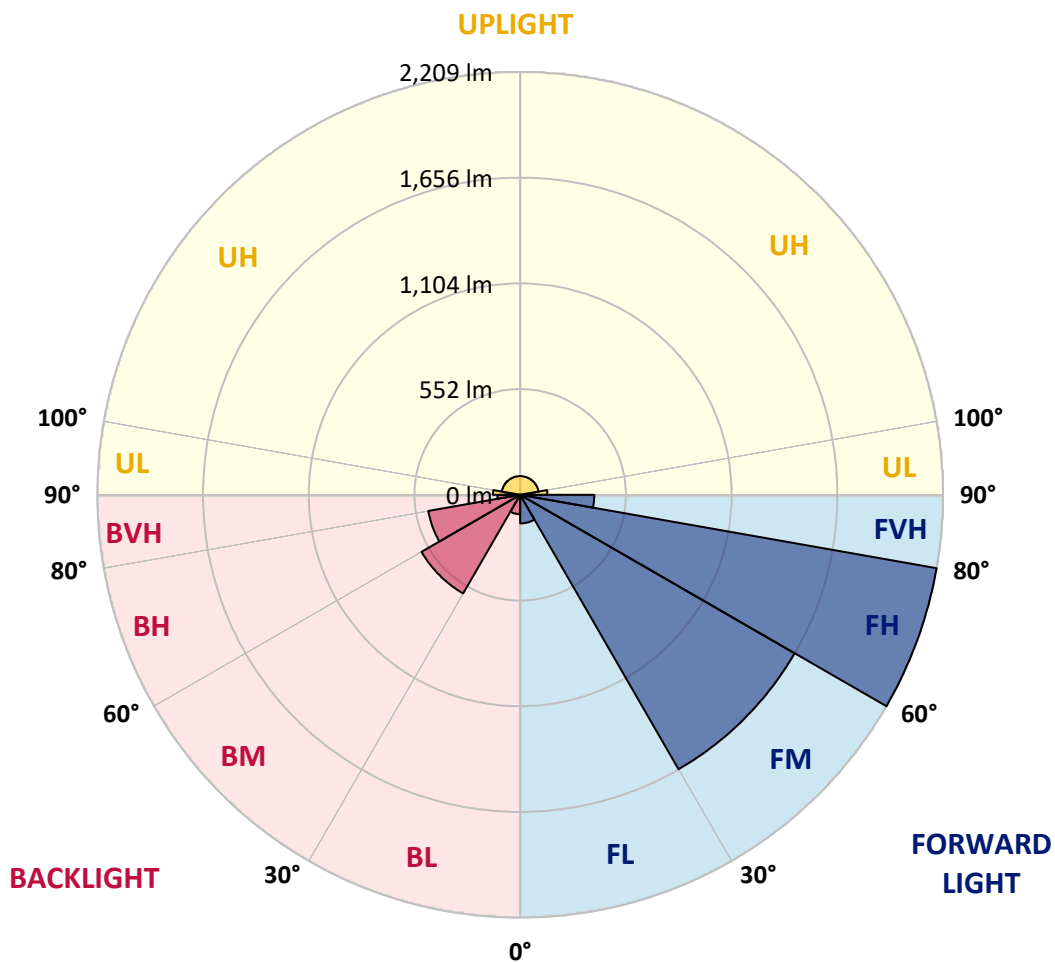
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.3	2.5			
FM	(30°-60°)	1654.8	27.9			
FH	(60°-80°)	2208.5	37.3			G2/5000
FVH	(80°-90°)	386.7	6.5			G3/500
BL	(0°-30°)	101.7	1.7	B0/110		
BM	(30°-60°)	595.2	10.0	B1/1000		
BH	(60°-80°)	487.1	8.2	B1/500		G1/500
BVH	(80°-90°)	119.2	2.0			G2/225
UL	(90°-100°)	142.1	2.4		U3/500	
UH	(100°-180°)	97.6	1.6		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5
2.5°	148.7	148.1	148.1	148.7	148.7	147.4	144.6	142.6	140.5	139.9	139.2
5°	162.4	161.7	161.0	161.7	159.7	157.6	153.5	149.4	146.7	144.0	143.3
7.5°	180.8	180.1	179.4	178.1	175.3	171.3	165.1	159.7	154.9	151.5	150.1
10°	204.7	202.0	201.3	198.5	193.8	186.9	180.1	173.3	167.8	163.1	161.0
12.5°	237.4	237.4	232.0	225.8	217.6	207.4	198.5	193.1	187.6	184.9	180.8
15°	277.7	276.3	270.9	260.6	247.0	235.4	225.8	219.0	215.6	210.8	208.8
17.5°	322.0	319.3	314.5	298.8	282.5	270.2	259.3	252.4	250.4	246.3	245.6
20°	380.0	375.9	364.3	345.2	322.7	309.1	298.8	291.3	290.6	292.0	291.3
22.5°	448.9	446.2	431.9	397.1	371.8	352.1	338.4	339.8	348.6	352.7	347.3
25°	531.5	534.2	510.3	463.9	430.5	397.1	391.6	399.1	418.9	429.8	430.5
27.5°	629.1	628.4	597.0	545.8	494.0	456.4	447.6	469.4	497.4	513.1	513.1
30°	738.2	747.8	703.4	636.6	564.2	519.9	513.1	546.5	575.8	603.8	612.0
32.5°	883.5	881.5	824.2	743.7	647.5	584.7	579.2	621.6	687.7	726.6	726.6
35°	1064.3	1056.8	977.0	856.3	727.3	657.0	657.7	716.4	803.7	851.5	856.3
37.5°	1219.9	1226.0	1145.5	998.8	830.3	739.6	747.8	826.9	932.0	987.9	1007.0
40°	1386.4	1388.4	1299.7	1140.1	941.5	827.6	847.4	938.8	1038.4	1084.8	1103.2
42.5°	1533.1	1545.3	1456.7	1282.0	1054.1	935.4	944.9	1024.8	1123.7	1179.0	1204.9
45°	1634.0	1640.9	1586.3	1412.3	1176.2	1045.2	1043.9	1118.2	1245.8	1307.2	1348.9
47.5°	1771.2	1789.6	1711.1	1543.3	1301.8	1157.1	1145.5	1241.1	1408.9	1508.5	1544.0
50°	1932.2	1960.2	1904.9	1702.3	1445.1	1288.8	1290.9	1404.8	1611.5	1741.8	1778.7
52.5°	2092.5	2103.4	2066.6	1893.3	1611.5	1442.3	1458.7	1601.3	1838.7	1972.4	1995.0
55°	2178.5	2194.2	2205.1	2068.0	1811.4	1624.5	1653.1	1825.1	2032.5	2189.4	2240.6
57.5°	2260.4	2282.2	2310.9	2217.4	2010.0	1849.6	1877.6	2030.4	2333.4	2557.2	2596.0
60°	2398.9	2418.0	2473.2	2396.8	2192.1	2064.6	2093.9	2308.8	2540.8	2695.0	2699.1
62.5°	2396.8	2426.8	2560.6	2579.7	2387.3	2271.3	2342.9	2458.9	2642.4	2836.2	2832.1
64°	2364.1	2401.6	2562.6	2651.3	2506.0	2383.2	2445.3	2532.6	2800.0	2943.3	2917.4
65°	2340.9	2382.5	2556.5	2669.7	2570.8	2446.6	2493.0	2594.0	2845.8	2931.0	2895.6
67.5°	2213.3	2259.7	2490.3	2667.7	2637.7	2546.2	2561.3	2655.4	2770.0	2803.5	2740.0
70°	1984.7	2009.3	2271.3	2555.8	2571.5	2484.2	2525.1	2573.5	2636.3	2619.9	2536.7
72.5°	1566.5	1617.0	1881.7	2287.0	2376.4	2313.6	2329.3	2353.2	2289.7	2195.6	2096.6
75°	1115.5	1160.5	1407.5	1803.9	2069.3	2044.1	2065.9	2027.7	1957.4	1871.5	1774.6
77.5°	775.7	790.1	994.1	1361.1	1653.8	1730.9	1778.0	1724.1	1684.5	1581.5	1503.7
80°	502.2	526.0	654.3	985.9	1310.6	1468.3	1544.0	1509.2	1417.1	1252.7	1164.0
82.5°	311.1	330.2	431.2	700.0	1039.1	1258.1	1331.1	1283.4	1136.0	952.5	863.8
85°	178.1	182.2	252.4	455.8	759.4	999.5	1097.1	1020.7	849.4	672.0	594.3
87.5°	102.3	105.8	150.8	279.0	525.3	753.2	846.0	734.8	570.4	431.9	380.7
90°	65.5	69.6	97.6	182.2	338.4	538.3	606.5	504.2	382.1	273.6	240.8
92.5°	45.0	47.1	65.5	113.3	218.3	355.5	405.3	337.0	238.1	174.7	154.9
95°	32.7	34.1	46.4	77.1	140.5	223.1	250.4	213.6	156.2	116.0	103.7
97.5°	26.6	27.3	36.2	56.6	96.9	141.9	150.1	133.0	103.7	82.6	77.8
100°	22.5	23.2	30.0	43.7	68.9	92.8	94.8	89.4	73.0	61.4	58.7
102.5°	20.5	20.5	25.2	35.5	51.9	66.2	66.2	61.4	50.5	45.0	45.0
105°	18.4	18.4	21.8	29.3	40.9	51.2	50.5	45.0	38.2	34.1	34.8
107.5°	16.4	16.4	19.1	23.9	33.4	40.3	38.9	33.4	29.3	26.6	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	15.0	15.0	17.1	20.5	28.0	33.4	31.4	25.9	21.8	21.8	22.5
112.5°	13.6	13.6	15.0	18.4	23.9	27.3	25.2	20.5	17.7	17.7	18.4
115°	12.3	12.3	13.6	16.4	21.2	23.2	21.2	16.4	14.3	15.0	16.4
117.5°	11.6	11.6	13.0	15.0	18.4	19.8	17.7	13.6	12.3	13.6	14.3
120°	10.9	10.9	12.3	14.3	17.1	17.7	15.0	12.3	10.9	12.3	13.0
122.5°	10.9	10.9	11.6	13.6	15.7	15.7	13.6	10.9	9.6	10.9	11.6
125°	10.9	10.9	11.6	13.0	14.3	14.3	12.3	9.6	8.9	10.2	10.2
127.5°	11.6	11.6	12.3	13.0	13.6	13.0	10.9	8.9	8.2	9.6	9.6
130°	11.6	11.6	11.6	12.3	12.3	11.6	9.6	8.2	8.2	8.9	9.6
132.5°	11.6	11.6	11.6	11.6	11.6	10.2	8.9	7.5	8.2	8.9	9.6
135°	10.9	10.9	10.9	10.9	10.2	8.9	7.5	6.1	7.5	8.2	8.2
137.5°	9.6	10.2	9.6	9.6	9.6	8.2	6.1	5.5	6.1	7.5	7.5
140°	8.9	8.9	8.9	8.9	8.2	6.8	5.5	4.1	4.8	6.1	6.1
142.5°	8.2	8.2	8.2	7.5	7.5	6.1	4.1	3.4	4.1	4.8	4.8
145°	6.8	6.8	6.8	6.8	6.1	4.8	3.4	2.7	3.4	4.1	4.1
147.5°	5.5	5.5	5.5	5.5	4.8	4.1	2.7	2.7	3.4	3.4	3.4
150°	4.1	4.8	4.8	4.8	4.1	3.4	2.0	2.0	2.7	3.4	3.4
152.5°	3.4	3.4	3.4	4.1	3.4	2.0	1.4	2.0	2.7	2.7	2.7
155°	2.0	2.7	2.7	2.7	2.7	2.0	1.4	2.0	2.0	2.7	2.7
157.5°	1.4	1.4	2.0	2.0	2.0	2.0	1.4	1.4	2.0	2.0	2.0
160°	0.7	0.7	1.4	2.0	2.0	2.0	1.4	1.4	2.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5
2.5°	138.5	137.8	136.5	135.1	134.4	134.4	133.0	132.4	130.3	130.3	129.6
5°	141.2	139.9	137.1	134.4	132.4	131.7	130.3	128.3	126.9	126.2	126.2
7.5°	147.4	145.3	139.9	136.5	133.7	131.7	130.3	128.3	126.9	126.2	126.2
10°	157.6	154.2	148.1	141.9	137.8	135.1	133.7	133.0	132.4	131.7	131.7
12.5°	177.4	172.6	162.4	154.9	146.7	142.6	141.2	142.6	146.0	147.4	148.1
15°	204.7	198.5	186.3	172.6	160.3	153.5	156.2	163.1	169.2	171.9	171.3
17.5°	238.8	229.2	214.2	195.8	178.8	175.3	178.1	185.6	194.4	198.5	197.9
20°	282.5	275.0	252.4	222.4	203.3	197.9	199.9	209.5	222.4	226.5	227.9
22.5°	342.5	331.6	296.8	255.2	229.9	219.7	221.7	234.0	251.8	261.3	263.4
25°	420.3	408.7	357.5	294.1	254.5	238.8	247.0	263.4	292.0	307.0	305.7
27.5°	510.3	490.6	423.7	341.8	283.1	258.6	270.9	297.5	327.5	346.6	345.2
30°	593.6	576.5	487.1	385.5	307.7	277.7	290.6	324.8	359.6	382.8	384.1
32.5°	718.4	687.0	561.5	423.0	327.5	293.4	305.7	347.3	387.5	415.5	414.8
35°	847.4	811.9	643.4	466.7	344.5	303.6	316.6	363.7	408.0	441.4	442.1
37.5°	983.2	933.3	716.4	495.3	358.2	309.8	322.7	375.2	431.9	470.1	471.5
40°	1074.6	1018.0	760.7	510.3	362.3	313.8	328.2	383.4	436.0	463.9	466.7
42.5°	1176.9	1097.1	783.9	498.1	357.5	313.2	329.5	377.3	418.2	438.0	440.1
45°	1318.2	1211.0	809.2	479.0	344.5	311.1	324.1	360.9	387.5	395.0	395.0
47.5°	1501.7	1349.5	851.5	458.5	330.9	305.0	314.5	338.4	348.6	347.3	343.9
50°	1722.1	1546.0	902.6	440.7	317.9	297.5	303.6	317.3	320.7	316.6	314.5
52.5°	1941.7	1704.3	938.1	425.1	309.8	290.6	294.7	305.0	305.0	292.7	290.6
55°	2143.0	1847.6	928.6	395.0	303.6	287.2	291.3	298.8	292.7	278.4	275.6
57.5°	2468.5	2095.3	953.1	365.7	294.7	286.6	292.0	296.8	287.9	274.3	271.5
60°	2526.5	2085.0	895.1	347.3	288.6	288.6	294.7	300.2	294.1	281.8	281.1
62.5°	2607.0	2094.6	807.1	320.7	284.5	290.0	300.9	309.1	308.4	299.5	298.2
64°	2663.6	2108.2	775.7	308.4	281.1	290.0	305.7	317.9	317.9	307.7	307.7
65°	2607.6	2056.4	752.5	302.2	277.7	290.0	308.4	323.4	322.0	313.8	312.5
67.5°	2438.4	1887.8	654.3	288.6	270.2	290.0	315.9	332.3	334.3	327.5	324.8
70°	2231.7	1703.6	569.0	272.9	262.7	286.6	315.9	337.7	341.1	333.6	331.6
72.5°	1818.9	1370.0	469.4	255.9	251.8	278.4	311.8	335.0	338.4	329.5	326.8
75°	1524.9	1118.9	388.9	239.5	240.2	268.1	301.6	322.7	322.7	313.2	309.1
77.5°	1256.1	903.3	322.0	223.8	226.5	255.2	283.1	296.8	292.7	283.8	278.4
80°	940.9	682.3	265.4	206.7	209.5	234.0	257.2	266.8	262.7	251.8	250.4
82.5°	688.4	490.6	226.5	189.0	191.0	210.8	227.9	236.1	239.5	230.6	227.9
85°	452.3	345.9	194.4	171.3	172.6	187.6	198.5	205.4	212.9	210.1	208.8
87.5°	295.4	239.5	164.4	150.8	152.1	164.4	171.9	178.8	193.8	195.8	193.1
90°	198.5	167.8	135.8	130.3	132.4	142.6	146.7	153.5	169.9	172.6	172.6
92.5°	133.0	120.1	109.8	109.8	113.3	122.1	122.8	124.9	138.5	141.9	140.5
95°	93.5	89.4	88.7	90.1	94.2	101.0	97.6	96.2	105.1	105.8	104.4
97.5°	71.6	70.3	71.6	73.7	75.7	82.6	79.1	75.7	79.8	78.5	79.8
100°	57.3	56.6	58.7	58.7	60.7	66.9	64.1	62.1	62.8	60.0	60.0
102.5°	45.7	45.7	47.8	48.4	49.8	54.6	53.9	51.9	50.5	47.8	48.4
105°	35.5	36.2	38.9	39.6	41.6	45.7	45.0	42.3	40.9	37.5	38.2
107.5°	28.7	30.0	32.1	32.7	34.8	38.2	36.8	34.1	32.1	30.7	30.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.9	24.6	26.6	27.3	29.3	32.1	31.4	28.0	25.2	24.6	25.2
112.5°	19.8	21.2	22.5	23.2	25.2	27.3	25.2	22.5	20.5	21.2	21.2
115°	17.1	17.7	19.1	19.8	21.2	23.2	21.2	18.4	17.1	17.7	18.4
117.5°	15.7	16.4	17.1	17.1	18.4	19.8	17.7	15.7	15.0	15.7	16.4
120°	13.6	14.3	15.0	15.7	16.4	17.1	15.7	13.6	13.0	14.3	14.3
122.5°	12.3	13.0	13.0	13.6	14.3	15.0	13.6	12.3	11.6	12.3	13.0
125°	10.9	11.6	12.3	12.3	13.0	13.0	12.3	10.9	10.9	11.6	11.6
127.5°	10.2	10.9	10.9	11.6	11.6	11.6	10.9	9.6	10.2	10.9	10.9
130°	10.2	10.2	10.2	10.2	10.2	10.2	9.6	8.9	9.6	10.2	10.2
132.5°	9.6	9.6	9.6	9.6	9.6	8.9	8.2	8.2	8.9	9.6	9.6
135°	8.9	8.9	8.2	8.2	8.2	8.2	7.5	7.5	7.5	8.2	8.2
137.5°	7.5	7.5	6.8	6.8	6.8	6.8	6.1	6.1	6.8	7.5	7.5
140°	6.1	6.1	5.5	5.5	5.5	5.5	5.5	5.5	6.1	6.1	6.8
142.5°	4.8	4.8	4.8	4.1	4.1	4.8	4.8	4.8	5.5	5.5	5.5
145°	4.1	4.1	4.1	3.4	3.4	4.1	4.1	4.1	4.8	4.8	4.8
147.5°	3.4	3.4	3.4	2.7	2.0	3.4	3.4	3.4	4.1	3.4	3.4
150°	3.4	3.4	2.7	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.0	1.4	1.4	2.0	2.7	2.0	2.0	2.0
155°	2.7	2.7	2.0	2.0	1.4	0.7	1.4	2.0	1.4	1.4	1.4
157.5°	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	0.7	0.7	0.7
160°	2.0	2.0	1.4	1.4	0.7	0.7	1.4	1.4	0.7	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)