

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: P416091

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5181 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 II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

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

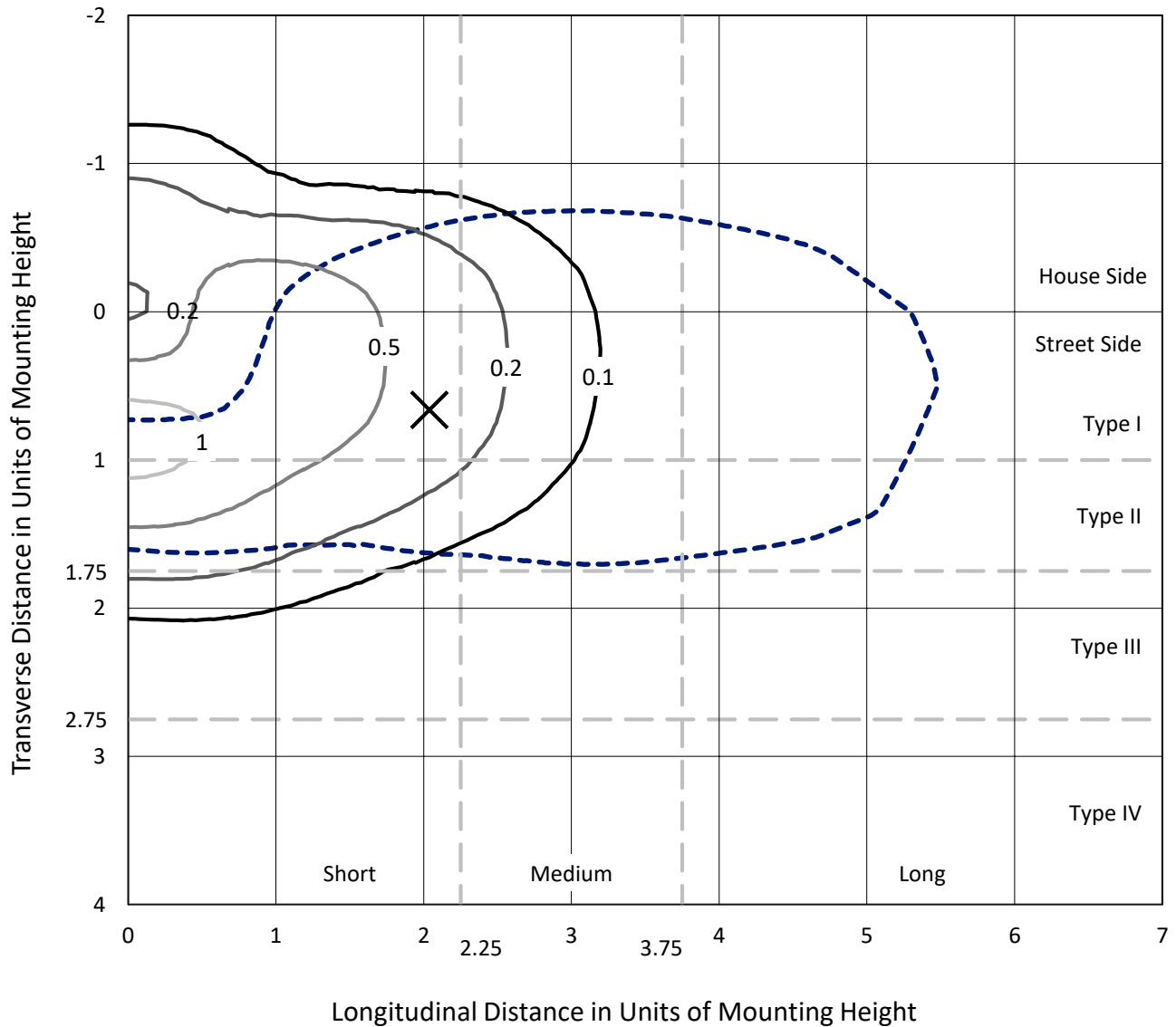


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

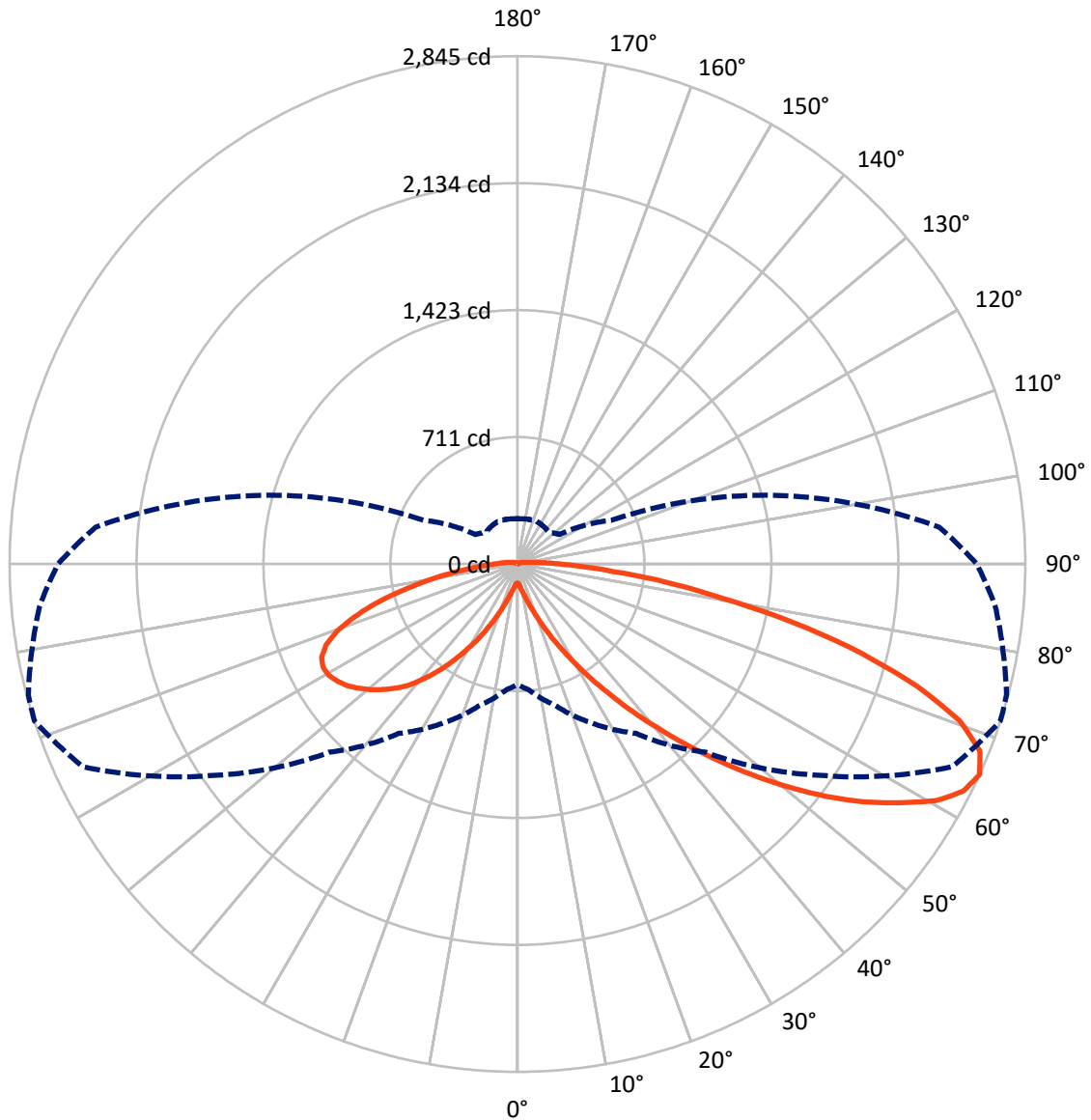


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1460.7	73.5	1534.3
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	3575.1	71.7	3646.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	5035.8	145.2	5181.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.2
10°-20°	62.7	1.2
20°-30°	198.5	3.8
30°-40°	475.7	9.2
40°-50°	878.4	17.0
50°-60°	1196.9	23.1
60°-70°	1167.0	22.5
70°-80°	762.1	14.7
80°-90°	282.3	5.4
90°-100°	78.5	1.5
100°-110°	32.9	0.6
110°-120°	16.6	0.3
120°-130°	9.4	0.2
130°-140°	5.3	0.1
140°-150°	2.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5035.8	97.2
0°-180°	5181.0	100.0



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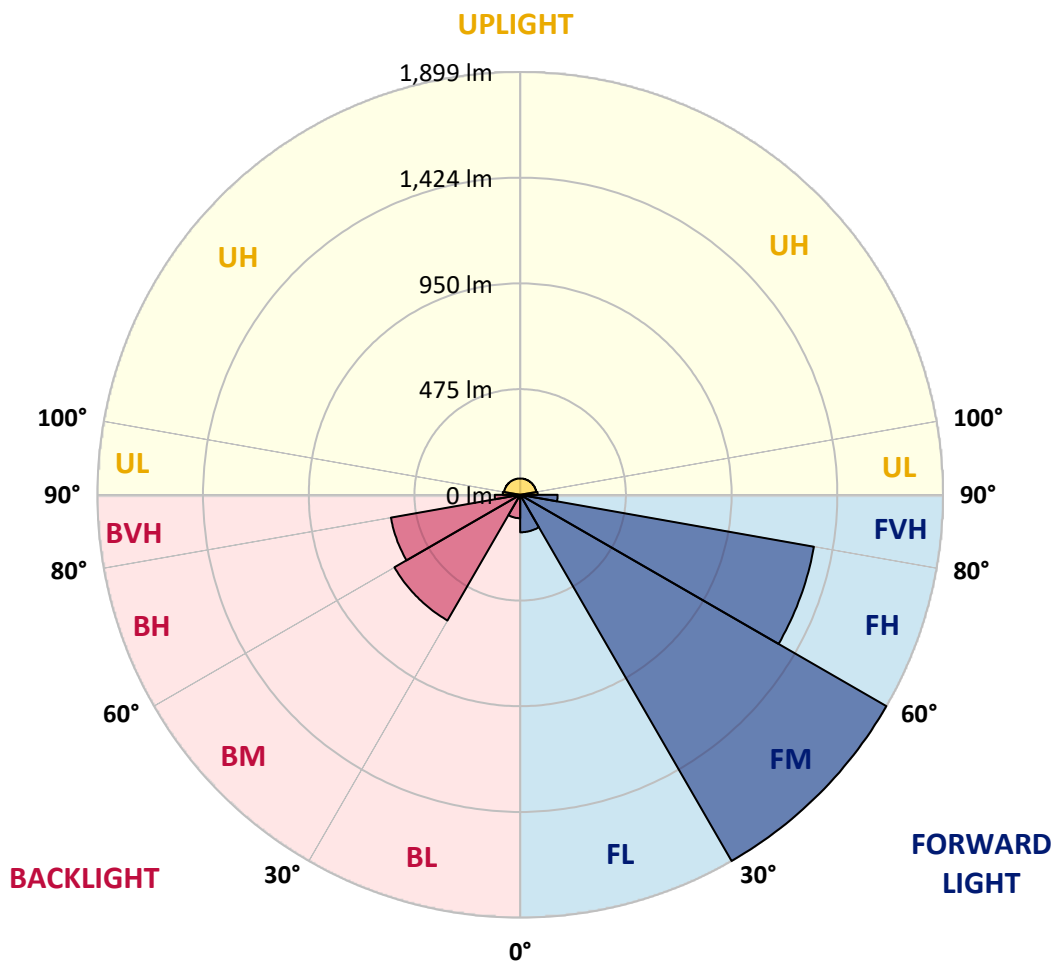
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.3	3.2			
FM (30°-60°)	1899.1	36.7			
FH (60°-80°)	1339.7	25.9			G1/1800
FVH (80°-90°)	168.1	3.2			G2/225
BL (0°-30°)	105.2	2.0	B0/110		
BM (30°-60°)	651.9	12.6	B1/1000		
BH (60°-80°)	589.4	11.4	B2/1000		G2/1000
BVH (80°-90°)	114.2	2.2			G2/225
UL (90°-100°)	78.5	1.5		U3/500	
UH (100°-180°)	73.5	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	119.3	118.7	117.5	116.9	116.9	115.7	114.5	112.7	111.5	110.9	109.7
5°	134.9	133.7	132.5	131.3	130.1	128.3	125.3	123.5	121.1	120.5	118.1
7.5°	157.1	155.9	152.3	151.1	149.3	146.9	143.3	139.7	137.3	135.5	131.9
10°	186.5	185.3	182.9	179.9	176.3	171.5	165.5	161.9	155.9	157.1	151.7
12.5°	226.7	223.7	220.7	215.9	208.7	203.3	194.9	191.3	184.7	184.7	178.1
15°	275.2	274.6	268.6	258.5	251.9	240.5	233.3	225.5	221.3	221.3	215.9
17.5°	338.2	334.0	329.2	315.4	300.4	286.6	277.0	271.6	266.8	265.6	258.5
20°	416.2	410.2	403.0	378.4	360.4	343.6	329.8	325.6	322.0	321.4	315.4
22.5°	515.1	502.5	489.3	465.3	436.5	407.2	397.6	388.0	388.6	389.8	376.0
25°	624.8	621.2	597.9	563.7	525.9	493.5	467.1	463.5	467.1	464.7	459.3
27.5°	765.8	753.8	724.4	680.6	620.6	582.9	554.7	552.3	552.9	555.9	546.9
30°	930.1	924.1	886.9	813.7	736.4	686.0	655.4	651.2	658.4	659.0	645.2
32.5°	1123.7	1111.8	1054.8	973.2	867.7	803.5	768.8	767.6	775.4	777.1	766.4
35°	1319.8	1313.8	1257.5	1140.5	1024.8	927.7	892.3	894.7	900.1	910.9	898.3
37.5°	1545.9	1529.7	1457.2	1333.6	1187.3	1071.0	1033.2	1041.6	1050.0	1050.0	1032.6
40°	1759.4	1753.4	1677.2	1521.9	1346.8	1238.9	1197.5	1202.3	1201.7	1202.3	1179.5
42.5°	1957.3	1936.9	1869.7	1704.8	1524.3	1414.6	1364.8	1372.6	1379.8	1385.2	1327.6
45°	2091.0	2073.6	2014.2	1851.7	1692.2	1588.5	1556.1	1556.1	1564.5	1562.1	1505.1
47.5°	2138.4	2136.0	2091.6	1968.1	1821.7	1741.4	1743.2	1749.8	1762.4	1751.0	1669.4
50°	2116.2	2106.6	2098.8	2029.8	1929.1	1890.7	1926.7	1960.3	1961.5	1941.1	1837.3
52.5°	1977.1	1978.3	2017.8	2005.2	1959.1	1998.0	2107.8	2167.1	2161.7	2142.0	2017.2
55°	1765.4	1775.0	1843.9	1896.7	1924.9	2032.8	2242.1	2365.0	2353.0	2325.5	2198.9
57.5°	1483.5	1514.7	1607.1	1722.2	1822.9	2000.4	2315.3	2536.5	2523.9	2523.9	2380.0
60°	1183.7	1208.9	1345.0	1485.3	1644.2	1891.3	2322.5	2662.5	2693.0	2673.9	2508.3
62.5°	918.1	928.9	1069.8	1246.7	1417.0	1707.8	2239.7	2722.4	2803.4	2787.2	2623.5
65°	675.8	706.4	820.3	982.2	1158.5	1491.3	2062.8	2687.0	2845.4	2837.0	2687.0
67.5°	502.5	516.3	611.6	761.6	936.1	1222.1	1805.0	2532.3	2795.0	2802.2	2677.4
70°	376.6	380.2	454.5	578.1	726.8	964.2	1504.5	2285.3	2627.7	2660.1	2591.7
72.5°	284.8	291.4	353.2	450.3	560.7	742.4	1189.1	1949.5	2342.2	2422.6	2396.8
75°	223.1	230.9	273.4	348.4	433.5	561.9	900.1	1552.5	1984.3	2088.0	2116.8
77.5°	176.3	184.7	220.7	278.2	338.2	433.5	661.4	1161.5	1584.9	1688.6	1772.6
80°	138.5	144.5	176.3	218.9	266.2	320.2	463.5	844.3	1163.9	1293.5	1370.2
82.5°	105.5	112.1	136.7	172.7	208.7	244.7	331.0	574.5	844.3	903.1	1033.8
85°	76.8	82.8	103.1	132.5	160.7	189.5	242.3	383.2	537.9	608.0	674.0
87.5°	56.4	58.8	76.8	98.3	123.5	143.3	174.5	244.7	341.8	376.6	431.7
90°	39.6	42.0	56.4	72.6	93.5	112.1	128.3	161.9	212.9	244.1	254.3
92.5°	29.4	31.2	42.0	54.6	72.0	86.9	97.1	114.5	138.5	151.7	160.1
95°	22.2	24.0	33.0	43.2	55.8	68.4	76.2	82.8	96.5	100.1	107.3
97.5°	18.0	19.2	27.0	35.4	45.0	56.4	60.6	64.2	69.0	72.6	75.6
100°	15.6	16.2	22.8	30.0	38.4	45.6	49.2	51.0	54.0	55.2	56.4
102.5°	13.8	13.8	19.8	25.8	33.0	38.4	41.4	41.4	42.0	42.6	42.0
105°	12.0	12.6	17.4	22.8	28.2	33.0	35.4	34.2	33.6	33.0	31.2
107.5°	11.4	11.4	15.6	20.4	25.2	28.8	30.6	28.2	27.0	25.8	24.0
110°	10.2	10.8	13.8	18.0	22.2	25.2	26.4	24.0	21.6	20.4	18.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.6	10.2	12.6	16.2	19.8	22.8	22.8	20.4	17.4	16.2	15.0
115°	9.6	9.6	11.4	14.4	18.0	20.4	20.4	17.4	14.4	13.2	12.6
117.5°	9.6	9.6	10.8	13.2	16.2	18.0	18.0	15.0	12.0	10.8	10.8
120°	9.0	9.0	10.2	12.0	15.0	16.2	15.6	13.2	10.2	9.6	9.6
122.5°	9.0	9.0	9.6	11.4	13.8	15.0	14.4	11.4	9.0	7.8	8.4
125°	9.6	9.0	9.6	10.8	12.6	13.2	12.6	9.6	7.8	7.2	7.8
127.5°	9.6	9.6	9.0	10.2	11.4	12.0	11.4	8.4	6.6	6.6	7.2
130°	9.6	9.6	9.0	9.6	10.2	10.8	9.6	7.2	6.0	6.0	6.6
132.5°	9.6	9.6	9.0	9.0	9.6	9.6	8.4	6.0	5.4	5.4	6.0
135°	9.6	9.6	8.4	8.4	8.4	8.4	7.2	5.4	4.8	4.8	5.4
137.5°	9.0	9.0	8.4	7.8	7.8	7.2	6.0	4.2	3.6	4.2	4.8
140°	8.4	8.4	7.8	6.6	6.6	6.0	4.8	3.6	3.0	3.6	3.6
142.5°	7.8	7.8	7.2	6.0	5.4	4.8	4.2	2.4	2.4	2.4	3.0
145°	7.2	7.2	6.6	4.8	4.2	3.6	3.0	1.8	1.8	1.8	2.4
147.5°	6.0	6.0	5.4	4.2	3.0	3.0	1.8	1.2	1.8	1.8	1.8
150°	4.8	4.8	4.2	3.0	2.4	1.8	0.6	1.2	1.2	1.2	1.8
152.5°	4.2	4.2	3.0	2.4	1.2	0.6	0.6	0.6	1.2	1.2	1.2
155°	3.0	3.0	2.4	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	1.8	1.8	1.2	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9	107.9
2.5°	108.5	108.5	107.9	107.3	106.7	106.1	104.9	104.3	104.3	103.7	103.7
5°	116.9	116.3	114.5	112.7	110.3	109.1	107.3	106.1	105.5	104.9	104.9
7.5°	130.1	128.9	125.3	122.3	119.3	116.9	113.9	112.1	111.5	109.7	110.3
10°	148.7	146.9	142.7	137.3	131.9	128.3	124.1	121.7	120.5	119.3	118.1
12.5°	175.7	172.1	164.9	157.7	149.9	142.7	138.5	136.7	137.9	137.3	137.9
15°	212.9	206.3	195.5	184.7	170.9	161.9	160.7	160.1	160.1	160.7	161.9
17.5°	254.9	247.7	233.9	214.1	197.9	188.9	183.5	182.9	185.9	186.5	185.9
20°	310.0	302.8	281.2	254.3	230.9	216.5	209.3	209.3	213.5	214.7	217.1
22.5°	369.4	365.2	335.8	298.6	267.4	244.1	233.9	235.1	241.1	242.9	244.1
25°	452.1	435.3	399.4	348.4	303.4	272.2	258.5	259.0	265.6	270.4	272.2
27.5°	543.3	524.1	471.3	404.8	339.4	295.6	280.0	280.6	288.4	294.4	295.6
30°	641.0	621.8	552.9	460.5	373.0	316.6	295.6	296.2	305.2	311.8	313.0
32.5°	745.4	729.8	633.2	520.5	402.4	331.0	305.8	306.4	314.2	320.2	321.4
35°	877.3	841.9	728.6	573.9	427.0	340.0	310.6	310.0	317.8	323.8	325.0
37.5°	1007.4	969.6	819.1	623.6	441.3	342.4	309.4	309.4	315.4	320.2	320.8
40°	1148.9	1086.0	914.5	662.6	446.7	338.8	305.8	305.2	310.0	312.4	313.0
42.5°	1301.2	1223.9	1008.0	693.8	444.3	331.0	299.2	299.8	301.6	301.6	301.0
45°	1438.6	1360.0	1088.4	714.2	435.9	320.8	291.4	292.0	292.6	287.8	287.8
47.5°	1599.9	1504.5	1163.9	719.0	419.2	310.6	285.4	286.6	283.6	277.0	275.8
50°	1752.8	1646.6	1240.1	717.2	401.8	299.8	279.4	280.6	275.2	266.2	264.4
52.5°	1923.1	1787.0	1312.0	708.2	380.8	290.2	275.2	276.4	270.4	259.6	257.9
55°	2091.0	1935.7	1378.0	692.6	362.8	280.0	271.0	274.0	266.2	255.5	254.9
57.5°	2251.1	2083.2	1432.6	669.8	343.6	272.8	268.0	271.6	264.4	253.7	253.1
60°	2393.8	2208.5	1476.3	647.6	322.6	265.6	265.0	269.8	263.2	254.3	253.7
62.5°	2494.0	2321.3	1496.1	617.6	305.8	257.9	261.4	266.2	261.4	254.3	254.3
65°	2573.7	2371.6	1488.3	578.1	287.8	249.5	256.7	261.4	258.5	253.7	254.3
67.5°	2558.7	2370.4	1437.4	530.7	271.0	240.5	248.3	254.9	252.5	250.7	250.1
70°	2466.4	2258.3	1339.6	479.1	253.7	229.1	238.1	244.7	244.1	243.5	243.5
72.5°	2276.3	2064.0	1193.3	419.8	235.7	217.1	224.9	230.9	232.1	231.5	229.7
75°	2028.0	1796.6	1023.6	364.0	217.1	202.7	211.1	214.7	216.5	215.3	215.3
77.5°	1664.0	1497.9	813.7	307.6	197.3	186.5	192.5	195.5	197.9	194.9	193.1
80°	1322.2	1139.3	626.0	251.3	175.7	168.5	171.5	172.7	175.1	172.1	168.5
82.5°	928.3	811.9	453.9	205.1	154.1	148.1	149.9	149.3	150.5	146.3	141.5
85°	620.0	545.7	312.4	164.9	131.9	126.5	126.5	124.7	123.5	119.3	115.7
87.5°	389.2	345.4	214.7	130.1	110.9	106.7	104.3	100.7	99.5	96.5	92.3
90°	239.9	220.7	149.9	104.3	92.3	88.7	86.3	81.0	80.4	75.6	72.6
92.5°	157.1	143.9	110.9	84.6	77.4	73.8	70.8	66.0	65.4	61.8	60.0
95°	103.7	100.7	84.6	70.8	65.4	62.4	59.4	55.2	54.0	50.4	48.0
97.5°	76.2	76.2	69.6	60.0	55.8	52.8	51.0	47.4	45.0	41.4	40.2
100°	57.6	58.2	55.8	51.6	48.0	45.0	43.2	40.2	38.4	34.8	34.2
102.5°	44.4	45.6	46.2	43.8	41.4	39.0	37.2	34.8	32.4	28.8	28.2
105°	34.2	35.4	37.8	37.2	36.0	34.2	32.4	30.0	27.0	24.0	24.0
107.5°	26.4	27.6	31.2	31.8	31.2	29.4	28.2	25.8	23.4	20.4	20.4
110°	20.4	22.2	25.8	27.0	27.0	25.8	24.6	22.2	19.2	17.4	17.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.8	18.6	21.6	23.4	23.4	22.8	21.0	18.6	16.2	15.0	15.0
115°	13.8	15.6	18.6	20.4	20.4	19.8	18.6	16.2	13.8	13.2	13.2
117.5°	12.0	13.2	15.6	17.4	18.0	17.4	16.2	13.8	12.0	12.0	12.0
120°	10.8	12.0	13.8	15.0	15.6	15.0	13.8	12.0	10.2	10.8	10.8
122.5°	9.6	10.2	12.0	13.8	13.8	13.8	12.6	10.2	9.0	9.6	9.6
125°	8.4	9.6	10.8	12.0	12.6	12.0	10.8	9.0	7.8	8.4	9.0
127.5°	7.8	8.4	9.6	10.8	10.8	10.8	9.6	7.8	7.2	7.8	7.8
130°	7.2	7.8	8.4	9.6	9.6	9.6	8.4	6.6	6.6	7.2	7.2
132.5°	6.6	7.2	7.8	8.4	8.4	8.4	7.2	6.0	5.4	6.6	6.6
135°	6.0	6.0	6.6	7.2	7.2	7.2	6.0	4.8	4.8	6.0	6.0
137.5°	4.8	5.4	6.0	6.0	6.0	6.0	4.8	4.2	4.2	4.8	4.8
140°	4.2	4.2	4.8	4.8	4.8	4.8	4.2	3.0	3.6	4.2	4.2
142.5°	3.6	3.6	4.2	4.2	4.2	3.6	3.0	2.4	3.0	3.6	3.6
145°	2.4	3.0	3.0	3.0	3.0	2.4	1.8	1.8	2.4	3.0	3.0
147.5°	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2	1.8	2.4	2.4
150°	1.8	1.8	2.4	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8
152.5°	1.2	1.2	1.8	1.8	1.2	0.6	0.0	0.0	0.6	0.6	0.6
155°	1.2	1.2	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.6	0.6	0.6	0.6	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)