

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: P416729

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7675 lumens
Efficiency: N/A
Efficacy: 92.5 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 - G4

Input Watts (W): 83
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

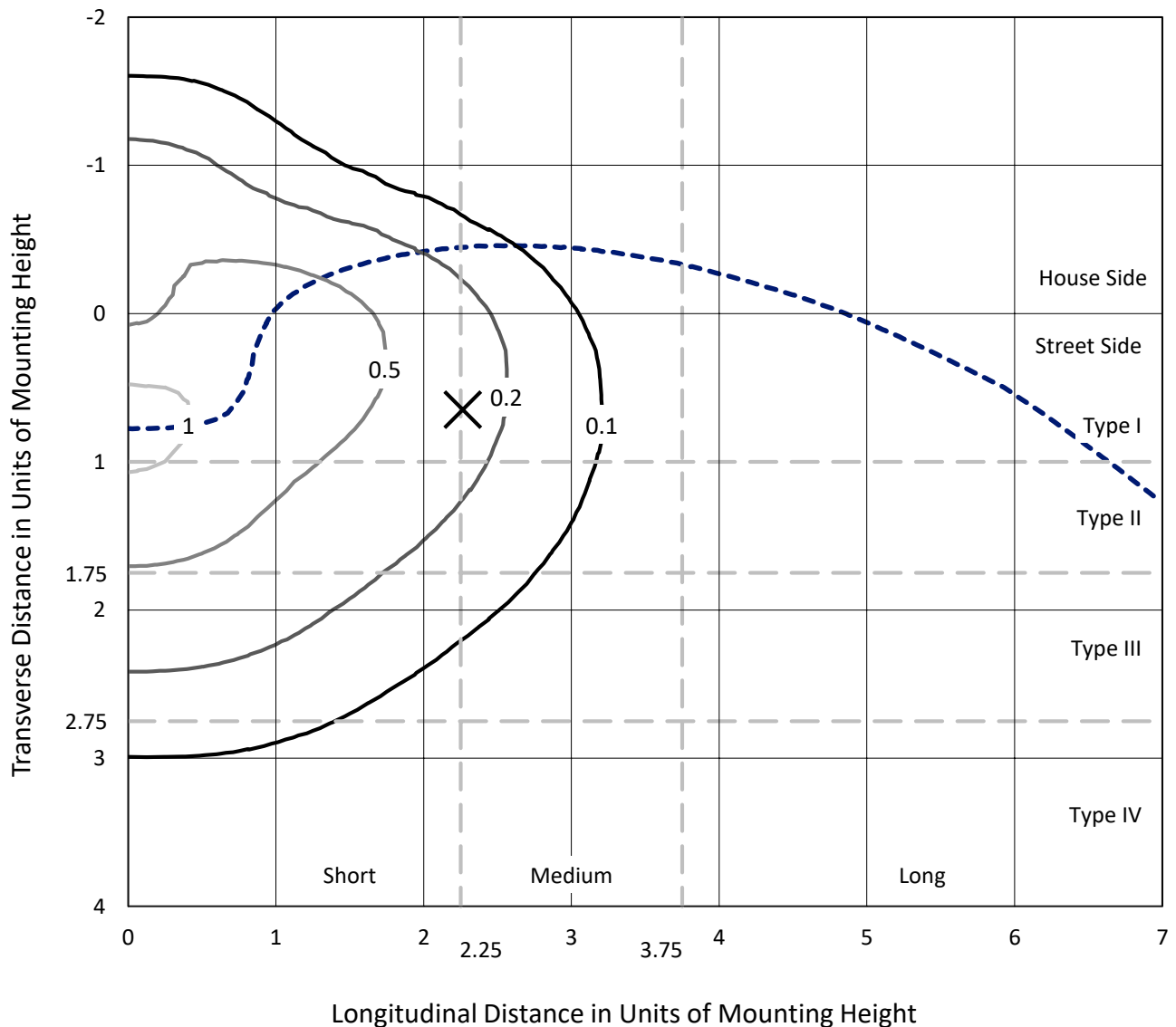


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

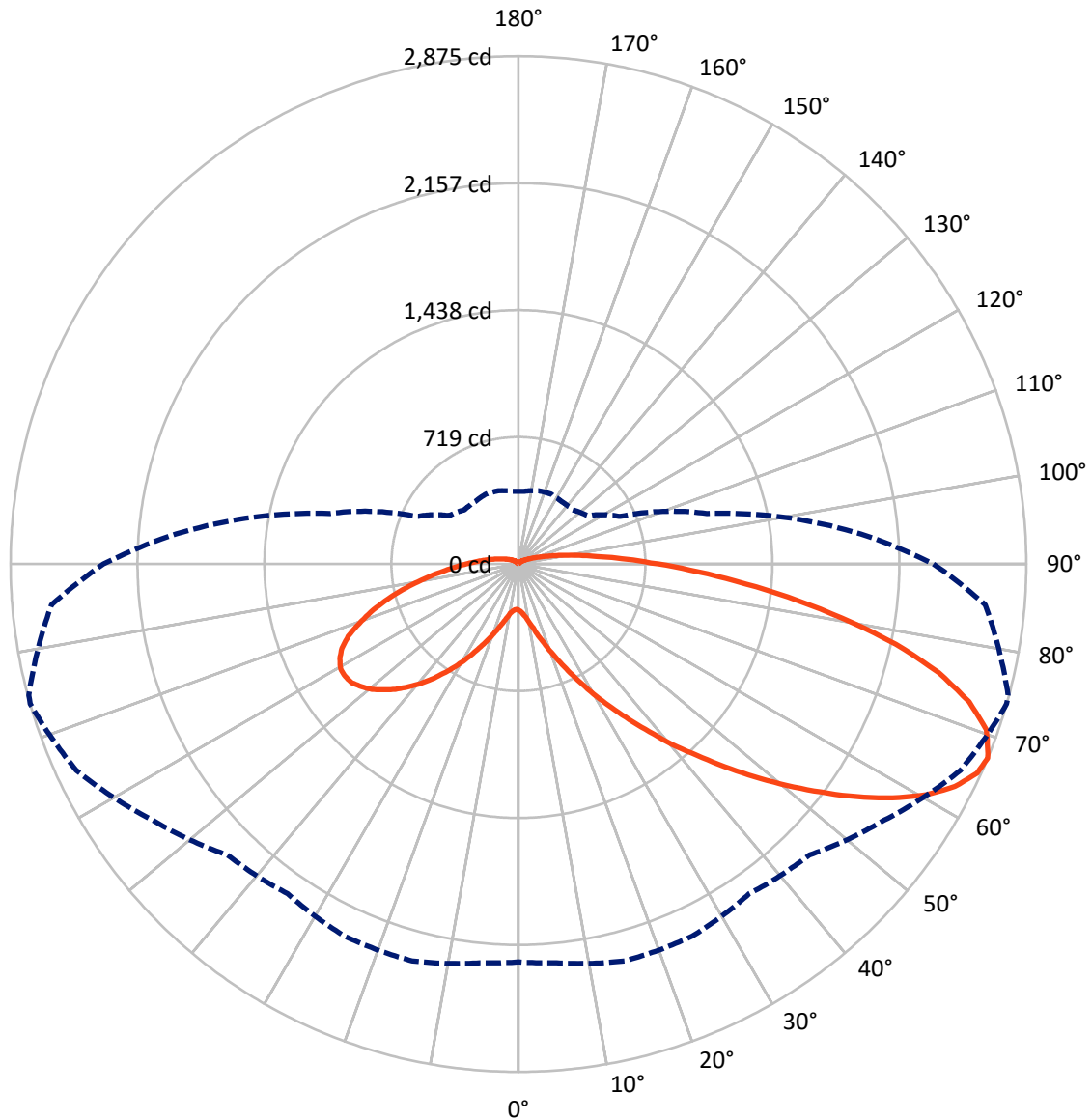


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1789.7	215.1	2004.8
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	5179.4	490.7	5670.2
	% Fixture	67.5	6.4	73.9
Total	Lumens	6969.1	705.9	7675.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.4
10°-20°	111.8	1.5
20°-30°	277.7	3.6
30°-40°	542.4	7.1
40°-50°	897.0	11.7
50°-60°	1300.1	16.9
60°-70°	1573.6	20.5
70°-80°	1398.9	18.2
80°-90°	840.3	10.9
90°-100°	385.8	5.0
100°-110°	171.8	2.2
110°-120°	82.0	1.1
120°-130°	40.6	0.5
130°-140°	18.6	0.2
140°-150°	6.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6969.1	90.8
0°-180°	7675.0	100.0



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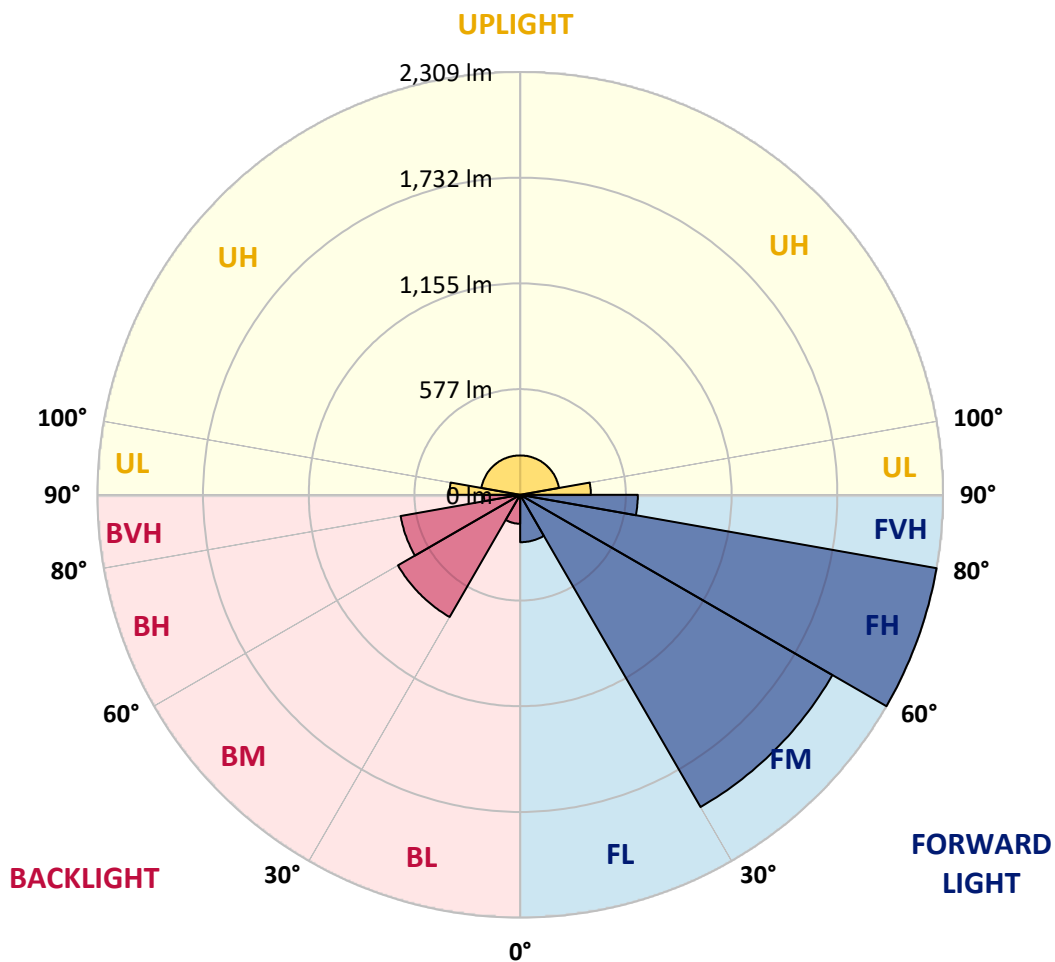
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.8	3.4			
FM	(30°-60°)	1969.1	25.7			
FH	(60°-80°)	2309.2	30.1			G2/5000
FVH	(80°-90°)	642.3	8.4			G4/750
BL	(0°-30°)	158.1	2.1	B1/500		
BM	(30°-60°)	770.4	10.0	B1/1000		
BH	(60°-80°)	663.2	8.6	B2/1000		G2/1000
BVH	(80°-90°)	198.0	2.6			G2/225
UL	(90°-100°)	385.8	5.0		U3/500	
UH	(100°-180°)	215.1	2.8		U3/500	

BUG Rating: B2-U3-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	288.7	286.0	286.0	284.2	283.3	280.5	278.7	272.3	269.6	269.6	265.0
5°	319.7	317.9	314.2	314.2	310.6	306.9	299.7	291.5	285.1	284.2	276.0
7.5°	357.9	353.4	353.4	348.8	343.4	337.0	327.0	316.1	306.0	305.1	292.4
10°	401.7	399.8	398.0	391.6	384.4	371.6	362.5	347.0	335.2	334.3	317.0
12.5°	455.4	452.7	447.2	440.8	428.1	419.0	402.6	385.3	369.8	370.7	350.7
15°	513.7	511.9	508.2	498.2	483.6	470.9	454.5	436.3	420.8	414.4	393.5
17.5°	580.2	576.5	572.0	561.1	544.7	531.9	510.1	492.7	472.7	473.6	443.6
20°	658.5	654.9	648.5	631.2	616.6	599.3	576.5	557.4	534.6	532.8	502.8
22.5°	735.9	737.8	722.3	704.1	690.4	670.4	648.5	623.9	603.9	602.0	567.4
25°	831.6	825.2	809.7	788.8	767.8	743.2	724.1	702.2	683.1	681.3	640.3
27.5°	931.8	926.3	905.3	878.9	850.7	823.4	807.0	784.2	769.6	766.9	725.0
30°	1041.1	1031.9	1012.8	977.3	938.1	907.2	890.8	882.6	868.9	865.3	822.5
32.5°	1164.0	1152.2	1123.9	1081.1	1024.7	990.0	982.8	975.5	970.0	964.5	924.5
35°	1286.1	1282.4	1240.5	1187.7	1132.1	1086.6	1073.8	1085.7	1082.0	1078.4	1035.6
37.5°	1414.5	1420.9	1375.3	1306.1	1229.6	1181.3	1172.2	1194.1	1204.1	1204.1	1153.1
40°	1565.7	1560.2	1514.7	1430.0	1340.7	1284.2	1287.0	1319.8	1344.4	1338.9	1288.8
42.5°	1716.0	1704.1	1644.0	1561.1	1448.2	1391.7	1391.7	1441.8	1479.2	1480.1	1427.2
45°	1863.5	1850.8	1794.3	1685.9	1562.9	1501.9	1514.7	1575.7	1636.7	1628.5	1576.6
47.5°	1998.3	1992.8	1934.6	1818.9	1680.4	1616.7	1642.2	1733.3	1799.8	1799.8	1742.4
50°	2130.4	2123.1	2068.4	1938.2	1798.8	1736.0	1774.3	1885.4	1970.1	1974.6	1908.1
52.5°	2244.2	2239.7	2188.7	2059.3	1915.4	1851.7	1909.1	2048.4	2145.9	2155.9	2085.7
55°	2326.2	2328.9	2289.8	2166.8	2021.1	1968.3	2046.6	2210.5	2326.2	2328.0	2252.4
57.5°	2386.3	2390.0	2363.5	2257.0	2114.0	2073.9	2179.6	2367.2	2498.3	2506.5	2407.3
60°	2411.8	2418.2	2410.0	2320.7	2196.9	2171.4	2298.9	2507.5	2653.2	2655.9	2536.6
62.5°	2398.2	2404.5	2420.9	2357.2	2257.0	2256.1	2414.6	2629.5	2774.3	2778.0	2635.0
65°	2336.2	2346.2	2387.2	2357.2	2278.8	2308.9	2491.1	2723.3	2853.6	2858.1	2673.2
67°	2253.3	2266.1	2326.2	2325.3	2278.8	2329.8	2528.4	2762.5	2875.4	2870.0	2653.2
67.5°	2234.2	2247.0	2307.1	2316.2	2272.5	2332.6	2533.0	2767.0	2867.2	2866.3	2640.4
70°	2072.1	2094.9	2182.3	2226.0	2225.1	2310.7	2531.1	2742.4	2811.7	2802.6	2533.9
72.5°	1885.4	1913.6	2020.2	2104.0	2131.3	2242.4	2464.6	2645.0	2667.8	2656.8	2334.4
75°	1693.2	1708.7	1819.8	1939.1	2008.3	2126.7	2339.9	2490.1	2458.3	2431.9	2084.8
77.5°	1490.1	1496.5	1620.3	1754.2	1838.0	1974.6	2154.1	2263.4	2185.0	2163.2	1800.7
80°	1254.2	1280.6	1404.5	1543.8	1647.7	1771.5	1922.7	1988.3	1857.1	1837.1	1498.3
82.5°	1061.1	1077.5	1190.4	1327.0	1443.6	1560.2	1658.6	1675.9	1538.4	1523.8	1204.1
85°	866.2	880.8	999.2	1125.8	1235.1	1332.5	1398.1	1372.6	1229.6	1214.1	951.8
87.5°	716.8	727.7	809.7	938.1	1034.7	1104.8	1139.4	1107.5	970.9	949.1	735.0
90°	568.3	584.7	658.5	766.9	865.3	910.8	914.5	861.6	749.6	733.2	562.9
92.5°	459.0	470.0	540.1	630.3	707.7	742.3	733.2	688.6	585.6	566.5	435.4
95°	371.6	380.7	439.0	518.2	581.1	613.0	587.5	528.3	447.2	439.9	336.1
97.5°	308.8	310.6	356.1	427.2	477.3	493.7	473.6	419.9	349.8	335.2	257.8
100°	252.3	254.1	292.4	346.1	391.6	402.6	382.5	330.6	271.4	262.3	202.2
102.5°	204.9	209.5	238.6	286.9	320.6	328.8	307.9	262.3	209.5	203.1	157.6
105°	174.0	174.9	200.4	236.8	266.9	273.2	252.3	213.1	164.9	161.2	125.7
107.5°	147.6	147.6	167.6	199.5	223.1	226.8	210.4	174.0	130.2	126.6	102.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	126.6	127.5	142.1	167.6	189.4	192.2	175.8	139.4	103.8	101.1	82.9
112.5°	110.2	112.0	122.0	142.1	161.2	163.9	147.6	113.9	84.7	81.1	69.2
115°	97.5	98.4	105.7	122.0	137.5	139.4	123.0	93.8	68.3	65.6	58.3
117.5°	86.5	87.4	92.9	106.6	118.4	119.3	102.9	77.4	57.4	54.6	51.0
120°	78.3	78.3	82.9	92.0	102.0	102.0	86.5	63.8	47.4	46.5	43.7
122.5°	71.0	71.0	73.8	80.2	87.4	85.6	72.0	52.8	40.1	39.2	38.3
125°	64.7	64.7	66.5	70.1	74.7	72.0	59.2	43.7	34.6	33.7	33.7
127.5°	58.3	58.3	59.2	61.9	62.8	60.1	49.2	36.4	30.1	29.1	30.1
130°	52.8	52.8	52.8	52.8	52.8	51.0	40.1	30.1	25.5	25.5	26.4
132.5°	47.4	47.4	46.5	45.5	44.6	41.0	32.8	24.6	22.8	22.8	23.7
135°	41.9	41.9	41.0	39.2	36.4	31.9	24.6	20.0	19.1	19.1	20.0
137.5°	36.4	36.4	35.5	32.8	29.1	24.6	19.1	16.4	16.4	16.4	17.3
140°	31.0	31.0	30.1	27.3	22.8	18.2	14.6	12.8	13.7	13.7	14.6
142.5°	26.4	25.5	24.6	21.9	17.3	12.8	10.0	10.0	10.9	10.9	11.8
145°	20.9	20.0	19.1	16.4	12.8	9.1	7.3	7.3	8.2	8.2	9.1
147.5°	16.4	15.5	14.6	11.8	9.1	6.4	4.6	5.5	6.4	6.4	6.4
150°	10.9	10.9	10.9	9.1	5.5	3.6	2.7	3.6	3.6	3.6	4.6
152.5°	7.3	7.3	7.3	5.5	3.6	1.8	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	4.6	3.6	1.8	0.9	0.9	0.9	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	1.8	1.8	1.8	0.9	0.0	0.0	0.9	0.9	0.9
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°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4
2.5°	263.2	261.4	257.8	255.0	252.3	249.6	246.8	245.0	242.3	242.3	242.3
5°	272.3	267.8	260.5	255.0	248.7	244.1	238.6	235.0	232.3	231.3	231.3
7.5°	287.8	281.4	270.5	259.6	250.5	243.2	236.8	232.3	228.6	227.7	227.7
10°	309.7	301.5	284.2	271.4	259.6	249.6	241.4	235.0	232.3	230.4	230.4
12.5°	341.6	330.6	310.6	288.7	273.2	260.5	250.5	247.7	247.7	248.7	247.7
15°	379.8	368.9	341.6	316.1	293.3	278.7	273.2	273.2	272.3	274.2	274.2
17.5°	428.1	412.6	379.8	346.1	319.7	306.0	300.6	298.7	300.6	303.3	301.5
20°	485.5	462.7	421.7	379.8	351.6	337.9	328.8	327.0	329.7	331.5	332.4
22.5°	545.6	521.0	469.1	415.3	386.2	368.0	357.9	355.2	359.8	364.3	365.2
25°	613.9	586.6	520.1	458.1	417.1	392.6	383.5	382.5	389.8	396.2	396.2
27.5°	696.8	660.3	575.6	504.6	451.8	419.0	409.0	409.9	419.9	425.3	427.2
30°	783.3	742.3	639.4	547.4	479.1	439.9	429.0	433.5	443.6	454.5	456.3
32.5°	880.8	832.5	701.3	590.2	503.7	456.3	444.5	453.6	464.5	477.3	479.1
35°	982.8	918.1	765.1	629.4	523.7	469.1	455.4	466.3	480.0	491.8	495.5
37.5°	1098.4	1021.9	834.3	661.2	539.2	476.4	461.8	474.5	490.0	501.9	502.8
40°	1216.8	1128.5	899.9	691.3	550.1	480.9	465.4	478.2	492.7	502.8	503.7
42.5°	1340.7	1236.9	960.9	715.9	555.6	480.9	463.6	476.4	490.0	495.5	496.4
45°	1485.5	1351.6	1023.7	733.2	557.4	479.1	460.9	470.9	480.9	482.7	485.5
47.5°	1631.3	1465.5	1077.5	746.0	556.5	474.5	456.3	464.5	470.9	469.1	471.8
50°	1785.2	1589.4	1129.4	754.1	551.9	470.0	449.9	457.2	459.0	453.6	453.6
52.5°	1932.7	1696.8	1169.5	755.1	545.6	464.5	445.4	450.8	449.9	439.9	440.8
55°	2080.3	1811.6	1203.2	746.9	536.5	459.0	440.8	444.5	441.7	429.9	428.1
57.5°	2206.9	1904.5	1217.7	735.0	526.4	453.6	438.1	441.7	436.3	422.6	421.7
60°	2314.4	1976.5	1218.7	718.6	514.6	449.0	435.4	439.9	435.4	419.0	417.1
62.5°	2380.9	2009.2	1195.0	693.1	502.8	443.6	435.4	439.0	433.5	417.1	416.2
65°	2391.8	1992.8	1156.7	664.0	489.1	438.1	433.5	438.1	432.6	415.3	413.5
67°	2349.0	1945.5	1104.8	636.7	477.3	433.5	429.9	436.3	429.9	413.5	410.8
67.5°	2334.4	1923.6	1093.0	633.0	474.5	431.7	429.0	434.5	429.0	412.6	409.9
70°	2206.9	1804.3	1003.7	592.9	457.2	422.6	422.6	427.2	421.7	406.2	401.7
72.5°	2010.2	1636.7	914.5	554.7	438.1	409.0	411.7	416.2	410.8	396.2	390.7
75°	1782.5	1448.2	815.2	510.1	416.2	395.3	397.1	401.7	396.2	380.7	376.2
77.5°	1529.2	1230.5	715.0	469.1	393.5	377.1	378.0	380.7	376.2	360.7	356.1
80°	1257.8	1014.6	613.0	422.6	367.1	354.3	355.2	355.2	348.8	336.1	332.4
82.5°	1013.7	824.3	522.8	381.6	337.9	328.8	328.8	327.9	319.7	308.8	303.3
85°	788.8	664.9	438.1	339.7	308.8	300.6	299.7	296.0	287.8	276.0	269.6
87.5°	618.4	526.4	368.9	299.7	279.6	274.2	268.7	260.5	254.1	244.1	238.6
90°	482.7	418.1	311.5	263.2	251.4	244.1	238.6	228.6	218.6	208.6	205.8
92.5°	378.0	330.6	259.6	229.5	222.2	216.8	209.5	198.6	189.4	177.6	178.5
95°	299.7	268.7	221.3	202.2	196.7	192.2	183.1	171.2	161.2	150.3	148.5
97.5°	235.0	214.0	185.8	175.8	174.0	168.5	159.4	147.6	136.6	124.8	124.8
100°	186.7	174.9	156.7	154.8	151.2	147.6	138.4	127.5	113.9	103.8	103.8
102.5°	150.3	140.3	133.9	133.9	133.0	129.3	120.2	109.3	95.6	85.6	85.6
105°	120.2	116.6	113.9	116.6	117.5	113.9	104.7	92.9	79.2	70.1	72.0
107.5°	100.2	97.5	97.5	101.1	102.9	99.3	91.1	78.3	65.6	59.2	59.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	82.9	82.0	83.8	88.3	89.3	86.5	78.3	66.5	54.6	49.2	50.1
112.5°	70.1	69.2	72.9	77.4	78.3	75.6	67.4	56.5	45.5	41.9	41.9
115°	59.2	60.1	62.8	66.5	68.3	65.6	58.3	48.3	37.3	35.5	35.5
117.5°	51.0	51.9	54.6	59.2	60.1	56.5	49.2	40.1	31.9	31.0	31.0
120°	44.6	45.5	48.3	51.0	51.9	48.3	41.9	33.7	27.3	26.4	26.4
122.5°	39.2	41.0	42.8	44.6	45.5	41.9	36.4	28.2	22.8	22.8	23.7
125°	34.6	35.5	37.3	39.2	39.2	35.5	30.1	23.7	20.0	20.0	20.0
127.5°	31.0	31.0	31.9	33.7	33.7	31.0	25.5	19.1	17.3	17.3	18.2
130°	27.3	28.2	28.2	28.2	28.2	25.5	20.9	16.4	14.6	15.5	15.5
132.5°	23.7	24.6	24.6	24.6	23.7	20.9	17.3	13.7	12.8	13.7	13.7
135°	20.9	20.9	20.9	20.9	19.1	17.3	13.7	10.9	10.9	11.8	11.8
137.5°	18.2	18.2	18.2	17.3	15.5	13.7	10.9	9.1	9.1	10.0	10.0
140°	14.6	15.5	14.6	13.7	11.8	10.0	8.2	7.3	8.2	8.2	8.2
142.5°	11.8	11.8	11.8	10.9	9.1	7.3	6.4	5.5	6.4	6.4	7.3
145°	9.1	9.1	9.1	8.2	6.4	4.6	4.6	4.6	5.5	5.5	5.5
147.5°	6.4	6.4	6.4	5.5	3.6	2.7	2.7	2.7	3.6	3.6	3.6
150°	4.6	4.6	4.6	3.6	1.8	0.9	0.9	1.8	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	1.8	1.8	0.9	0.9
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	0.0	0.0
157.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0	0.0
160°	0.9	0.9	0.9	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

(END OF REPORT)