

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: P415739

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415739
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-PA1-50-830-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 4875 lumens
Efficiency: N/A
Efficacy: 90.3 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): 54
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

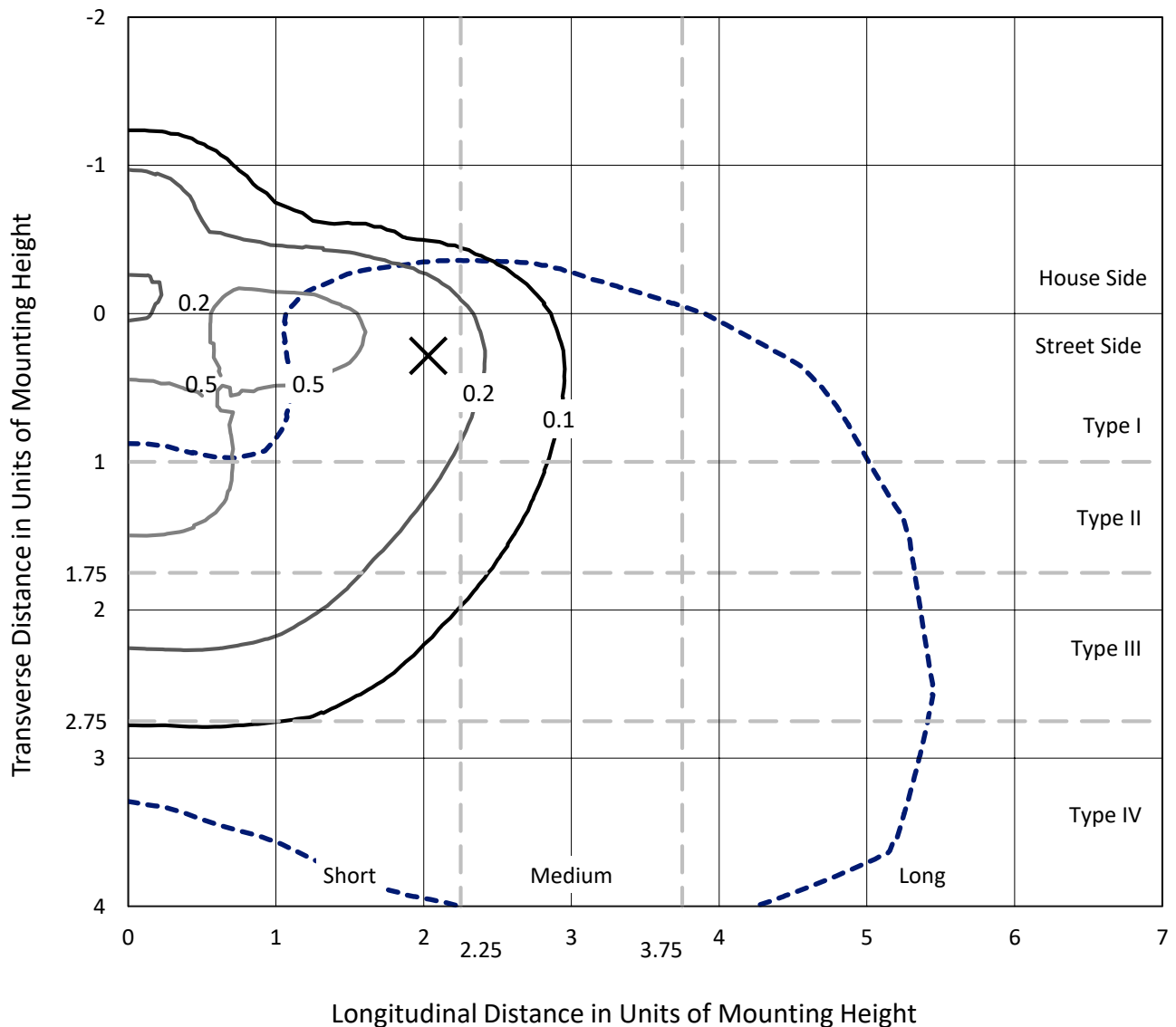


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

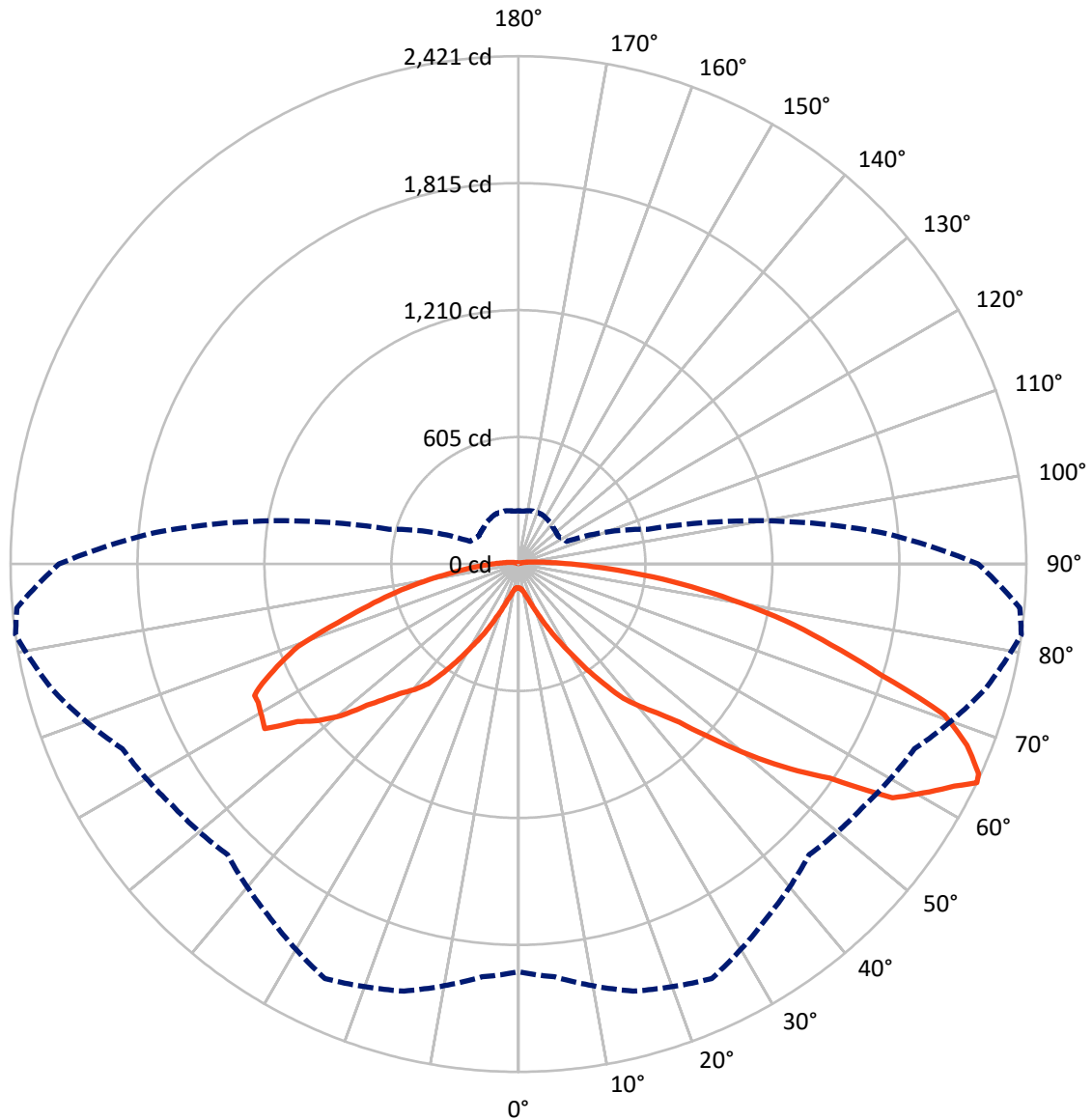


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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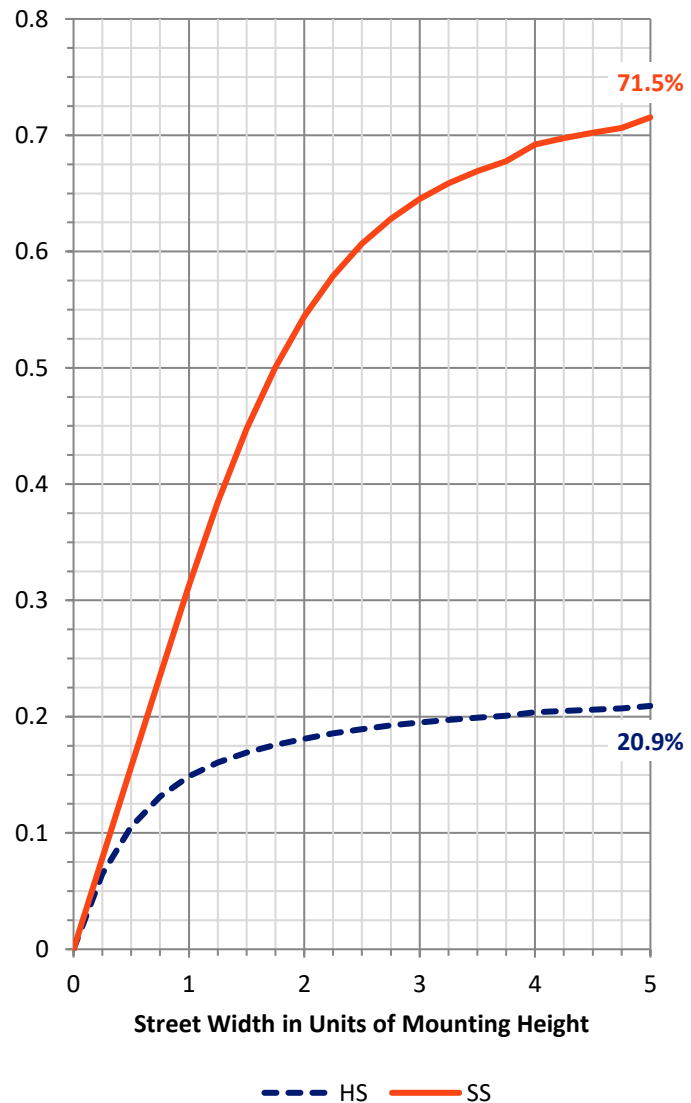
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.7	80.3	1152.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	3617.8	105.2	3723.0
	% Fixture	74.2	2.2	76.4
Total	Lumens	4689.5	185.5	4875.0
	% Fixture	96.2	3.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.2
10°-20°	50.1	1.0
20°-30°	144.5	3.0
30°-40°	331.8	6.8
40°-50°	582.6	12.0
50°-60°	935.9	19.2
60°-70°	1256.3	25.8
70°-80°	960.5	19.7
80°-90°	416.0	8.5
90°-100°	116.9	2.4
100°-110°	35.5	0.7
110°-120°	15.6	0.3
120°-130°	8.9	0.2
130°-140°	5.4	0.1
140°-150°	2.4	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4689.5	96.2
0°-180°	4875.0	100.0



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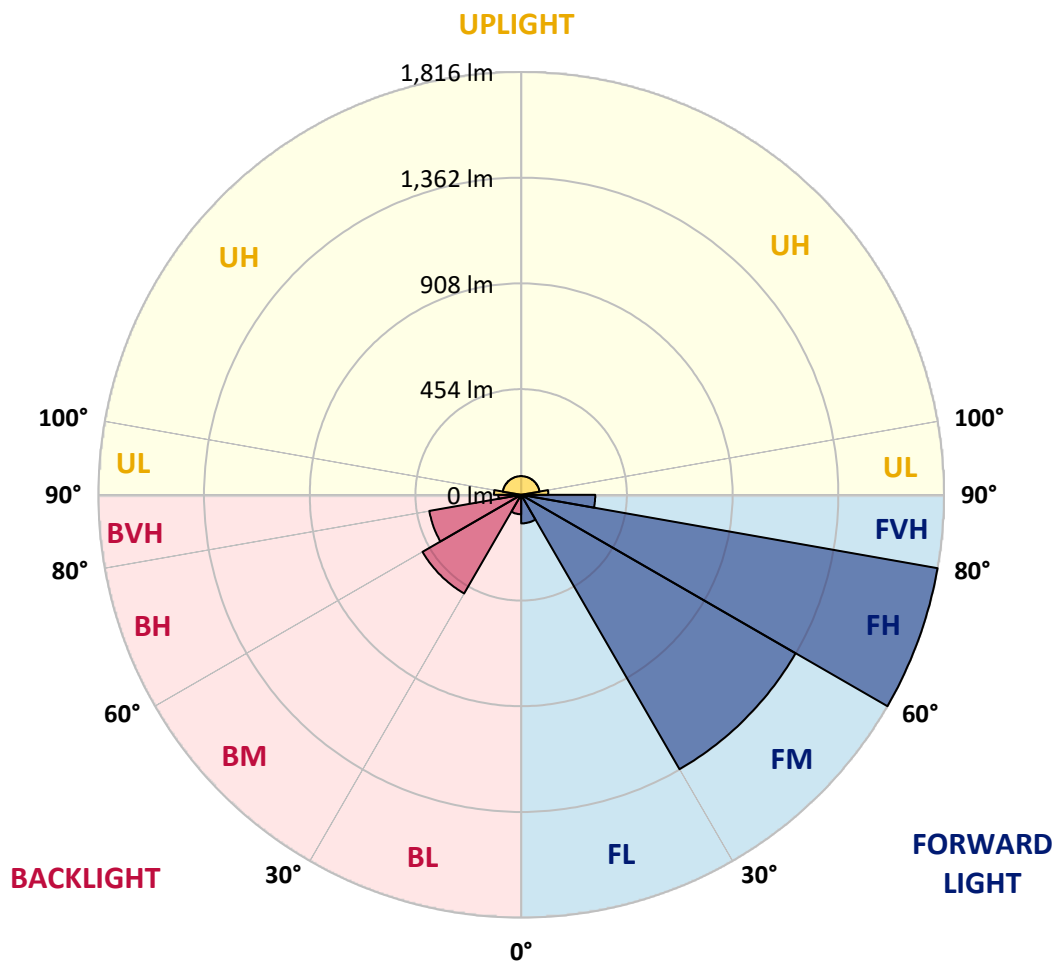
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.7	2.5			
FM	(30°-60°)	1360.9	27.9			
FH	(60°-80°)	1816.2	37.3			G2/5000
FVH	(80°-90°)	318.0	6.5			G3/500
BL	(0°-30°)	83.6	1.7	B0/110		
BM	(30°-60°)	489.4	10.0	B1/1000		
BH	(60°-80°)	400.6	8.2	B1/500		G1/500
BVH	(80°-90°)	98.0	2.0			G1/100
UL	(90°-100°)	116.9	2.4		U3/500	
UH	(100°-180°)	80.3	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°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	122.3	121.8	121.8	122.3	122.3	121.2	118.9	117.3	115.6	115.0	114.5
5°	133.5	133.0	132.4	133.0	131.3	129.6	126.2	122.9	120.6	118.4	117.8
7.5°	148.7	148.1	147.6	146.4	144.2	140.8	135.8	131.3	127.4	124.6	123.4
10°	168.3	166.1	165.5	163.3	159.3	153.7	148.1	142.5	138.0	134.1	132.4
12.5°	195.3	195.3	190.8	185.7	179.0	170.6	163.3	158.8	154.3	152.1	148.7
15°	228.4	227.2	222.7	214.3	203.1	193.6	185.7	180.1	177.3	173.4	171.7
17.5°	264.8	262.6	258.7	245.8	232.3	222.2	213.2	207.6	205.9	202.5	202.0
20°	312.5	309.2	299.6	283.9	265.4	254.2	245.8	239.6	239.0	240.1	239.6
22.5°	369.2	366.9	355.2	326.5	305.8	289.5	278.3	279.4	286.7	290.1	285.6
25°	437.1	439.3	419.7	381.5	354.0	326.5	322.1	328.2	344.5	353.5	354.0
27.5°	517.3	516.8	490.9	448.9	406.2	375.4	368.1	386.0	409.0	421.9	421.9
30°	607.1	614.9	578.5	523.5	464.0	427.5	421.9	449.4	473.6	496.6	503.3
32.5°	726.6	724.9	677.8	611.6	532.5	480.8	476.4	511.1	565.6	597.5	597.5
35°	875.3	869.1	803.5	704.2	598.1	540.3	540.9	589.1	661.0	700.2	704.2
37.5°	1003.2	1008.3	942.1	821.4	682.8	608.2	614.9	680.0	766.4	812.4	828.2
40°	1140.1	1141.8	1068.9	937.6	774.3	680.6	696.9	772.0	854.0	892.1	907.3
42.5°	1260.7	1270.8	1197.9	1054.3	866.9	769.2	777.1	842.7	924.1	969.5	990.9
45°	1343.8	1349.4	1304.5	1161.4	967.3	859.6	858.5	919.6	1024.5	1075.0	1109.3
47.5°	1456.6	1471.7	1407.2	1269.2	1070.5	951.6	942.1	1020.6	1158.6	1240.5	1269.7
50°	1589.0	1612.0	1566.5	1399.9	1188.4	1059.9	1061.6	1155.3	1325.3	1432.4	1462.7
52.5°	1720.8	1729.8	1699.5	1557.0	1325.3	1186.1	1199.6	1316.9	1512.1	1622.1	1640.6
55°	1791.5	1804.4	1813.4	1700.6	1489.7	1335.9	1359.5	1500.9	1671.5	1800.5	1842.6
57.5°	1858.9	1876.8	1900.4	1823.5	1652.9	1521.1	1544.1	1669.8	1918.9	2102.9	2134.9
60°	1972.8	1988.5	2033.9	1971.1	1802.7	1697.8	1722.0	1898.7	2089.5	2216.3	2219.6
62.5°	1971.1	1995.8	2105.7	2121.4	1963.2	1867.8	1926.7	2022.1	2173.1	2332.4	2329.0
64°	1944.1	1975.0	2107.4	2180.4	2060.8	1959.9	2010.9	2082.7	2302.7	2420.5	2399.2
65°	1925.1	1959.3	2102.4	2195.5	2114.1	2012.0	2050.2	2133.2	2340.3	2410.4	2381.2
67.5°	1820.1	1858.3	2047.9	2193.8	2169.1	2093.9	2106.3	2183.7	2278.0	2305.5	2253.3
70°	1632.2	1652.4	1867.8	2101.8	2114.7	2042.9	2076.6	2116.4	2168.0	2154.5	2086.1
72.5°	1288.2	1329.8	1547.5	1880.7	1954.2	1902.6	1915.5	1935.2	1883.0	1805.6	1724.2
75°	917.4	954.4	1157.5	1483.5	1701.8	1681.0	1698.9	1667.5	1609.7	1539.0	1459.4
77.5°	637.9	649.7	817.5	1119.4	1360.1	1423.5	1462.2	1417.8	1385.3	1300.6	1236.6
80°	413.0	432.6	538.1	810.8	1077.8	1207.4	1269.7	1241.1	1165.4	1030.1	957.2
82.5°	255.9	271.6	354.6	575.7	854.5	1034.6	1094.7	1055.4	934.2	783.3	710.3
85°	146.4	149.8	207.6	374.8	624.5	822.0	902.2	839.4	698.5	552.7	488.7
87.5°	84.2	87.0	124.0	229.5	432.0	619.4	695.7	604.3	469.1	355.2	313.1
90°	53.9	57.2	80.2	149.8	278.3	442.7	498.8	414.6	314.2	225.0	198.1
92.5°	37.0	38.7	53.9	93.1	179.5	292.3	333.3	277.2	195.8	143.6	127.4
95°	26.9	28.1	38.2	63.4	115.6	183.5	205.9	175.6	128.5	95.4	85.3
97.5°	21.9	22.4	29.7	46.6	79.7	116.7	123.4	109.4	85.3	67.9	64.0
100°	18.5	19.1	24.7	35.9	56.7	76.3	78.0	73.5	60.0	50.5	48.3
102.5°	16.8	16.8	20.8	29.2	42.6	54.4	54.4	50.5	41.5	37.0	37.0
105°	15.1	15.1	18.0	24.1	33.7	42.1	41.5	37.0	31.4	28.1	28.6
107.5°	13.5	13.5	15.7	19.6	27.5	33.1	32.0	27.5	24.1	21.9	22.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	12.3	12.3	14.0	16.8	23.0	27.5	25.8	21.3	18.0	18.0	18.5
112.5°	11.2	11.2	12.3	15.1	19.6	22.4	20.8	16.8	14.6	14.6	15.1
115°	10.1	10.1	11.2	13.5	17.4	19.1	17.4	13.5	11.8	12.3	13.5
117.5°	9.5	9.5	10.7	12.3	15.1	16.3	14.6	11.2	10.1	11.2	11.8
120°	9.0	9.0	10.1	11.8	14.0	14.6	12.3	10.1	9.0	10.1	10.7
122.5°	9.0	9.0	9.5	11.2	12.9	12.9	11.2	9.0	7.9	9.0	9.5
125°	9.0	9.0	9.5	10.7	11.8	11.8	10.1	7.9	7.3	8.4	8.4
127.5°	9.5	9.5	10.1	10.7	11.2	10.7	9.0	7.3	6.7	7.9	7.9
130°	9.5	9.5	9.5	10.1	10.1	9.5	7.9	6.7	6.7	7.3	7.9
132.5°	9.5	9.5	9.5	9.5	9.5	8.4	7.3	6.2	6.7	7.3	7.9
135°	9.0	9.0	9.0	9.0	8.4	7.3	6.2	5.0	6.2	6.7	6.7
137.5°	7.9	8.4	7.9	7.9	7.9	6.7	5.0	4.5	5.0	6.2	6.2
140°	7.3	7.3	7.3	7.3	6.7	5.6	4.5	3.4	3.9	5.0	5.0
142.5°	6.7	6.7	6.7	6.2	6.2	5.0	3.4	2.8	3.4	3.9	3.9
145°	5.6	5.6	5.6	5.6	5.0	3.9	2.8	2.2	2.8	3.4	3.4
147.5°	4.5	4.5	4.5	4.5	3.9	3.4	2.2	2.2	2.8	2.8	2.8
150°	3.4	3.9	3.9	3.9	3.4	2.8	1.7	1.7	2.2	2.8	2.8
152.5°	2.8	2.8	2.8	3.4	2.8	1.7	1.1	1.7	2.2	2.2	2.2
155°	1.7	2.2	2.2	2.2	2.2	1.7	1.1	1.7	1.7	2.2	2.2
157.5°	1.1	1.1	1.7	1.7	1.7	1.7	1.1	1.1	1.7	1.7	1.7
160°	0.6	0.6	1.1	1.7	1.7	1.7	1.1	1.1	1.7	1.7	1.7
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°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	113.9	113.3	112.2	111.1	110.5	110.5	109.4	108.8	107.2	107.2	106.6
5°	116.1	115.0	112.8	110.5	108.8	108.3	107.2	105.5	104.4	103.8	103.8
7.5°	121.2	119.5	115.0	112.2	110.0	108.3	107.2	105.5	104.4	103.8	103.8
10°	129.6	126.8	121.8	116.7	113.3	111.1	110.0	109.4	108.8	108.3	108.3
12.5°	145.9	142.0	133.5	127.4	120.6	117.3	116.1	117.3	120.1	121.2	121.8
15°	168.3	163.3	153.2	142.0	131.9	126.2	128.5	134.1	139.1	141.4	140.8
17.5°	196.4	188.5	176.2	161.0	147.0	144.2	146.4	152.6	159.9	163.3	162.7
20°	232.3	226.1	207.6	182.9	167.2	162.7	164.4	172.3	182.9	186.3	187.4
22.5°	281.7	272.7	244.1	209.8	189.1	180.7	182.4	192.5	207.0	214.9	216.6
25°	345.6	336.1	294.0	241.8	209.3	196.4	203.1	216.6	240.1	252.5	251.4
27.5°	419.7	403.4	348.4	281.1	232.8	212.6	222.7	244.6	269.3	285.0	283.9
30°	488.1	474.1	400.6	317.0	253.0	228.4	239.0	267.1	295.7	314.8	315.9
32.5°	590.8	565.0	461.8	347.9	269.3	241.3	251.4	285.6	318.7	341.7	341.1
35°	696.9	667.7	529.1	383.8	283.3	249.7	260.3	299.1	335.5	363.0	363.6
37.5°	808.5	767.6	589.1	407.3	294.6	254.7	265.4	308.6	355.2	386.6	387.7
40°	883.7	837.1	625.6	419.7	297.9	258.1	269.9	315.3	358.5	381.5	383.8
42.5°	967.9	902.2	644.7	409.6	294.0	257.5	271.0	310.3	343.9	360.2	361.9
45°	1084.0	995.9	665.4	393.9	283.3	255.9	266.5	296.8	318.7	324.9	324.9
47.5°	1234.9	1109.8	700.2	377.0	272.1	250.8	258.7	278.3	286.7	285.6	282.8
50°	1416.2	1271.4	742.3	362.5	261.5	244.6	249.7	260.9	263.7	260.3	258.7
52.5°	1596.8	1401.6	771.5	349.6	254.7	239.0	242.4	250.8	250.8	240.7	239.0
55°	1762.4	1519.4	763.6	324.9	249.7	236.2	239.6	245.8	240.7	228.9	226.7
57.5°	2030.0	1723.1	783.8	300.7	242.4	235.7	240.1	244.1	236.8	225.6	223.3
60°	2077.7	1714.7	736.1	285.6	237.3	237.3	242.4	246.9	241.8	231.7	231.2
62.5°	2143.9	1722.5	663.8	263.7	234.0	238.5	247.4	254.2	253.6	246.3	245.2
64°	2190.5	1733.7	637.9	253.6	231.2	238.5	251.4	261.5	261.5	253.0	253.0
65°	2144.4	1691.1	618.9	248.6	228.4	238.5	253.6	266.0	264.8	258.1	257.0
67.5°	2005.3	1552.5	538.1	237.3	222.2	238.5	259.8	273.2	274.9	269.3	267.1
70°	1835.3	1401.0	467.9	224.4	216.0	235.7	259.8	277.7	280.5	274.4	272.7
72.5°	1495.8	1126.6	386.0	210.4	207.0	228.9	256.4	275.5	278.3	271.0	268.8
75°	1254.0	920.2	319.8	196.9	197.5	220.5	248.0	265.4	265.4	257.5	254.2
77.5°	1032.9	742.9	264.8	184.0	186.3	209.8	232.8	244.1	240.7	233.4	228.9
80°	773.7	561.1	218.3	170.0	172.3	192.5	211.5	219.4	216.0	207.0	205.9
82.5°	566.1	403.4	186.3	155.4	157.1	173.4	187.4	194.1	196.9	189.6	187.4
85°	372.0	284.5	159.9	140.8	142.0	154.3	163.3	168.9	175.1	172.8	171.7
87.5°	242.9	196.9	135.2	124.0	125.1	135.2	141.4	147.0	159.3	161.0	158.8
90°	163.3	138.0	111.7	107.2	108.8	117.3	120.6	126.2	139.7	142.0	142.0
92.5°	109.4	98.7	90.3	90.3	93.1	100.4	101.0	102.7	113.9	116.7	115.6
95°	76.9	73.5	72.9	74.1	77.4	83.0	80.2	79.1	86.4	87.0	85.8
97.5°	58.9	57.8	58.9	60.6	62.3	67.9	65.1	62.3	65.6	64.5	65.6
100°	47.1	46.6	48.3	48.3	49.9	55.0	52.7	51.1	51.6	49.4	49.4
102.5°	37.6	37.6	39.3	39.8	41.0	44.9	44.3	42.6	41.5	39.3	39.8
105°	29.2	29.7	32.0	32.5	34.2	37.6	37.0	34.8	33.7	30.9	31.4
107.5°	23.6	24.7	26.4	26.9	28.6	31.4	30.3	28.1	26.4	25.2	25.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.6	20.2	21.9	22.4	24.1	26.4	25.8	23.0	20.8	20.2	20.8
112.5°	16.3	17.4	18.5	19.1	20.8	22.4	20.8	18.5	16.8	17.4	17.4
115°	14.0	14.6	15.7	16.3	17.4	19.1	17.4	15.1	14.0	14.6	15.1
117.5°	12.9	13.5	14.0	14.0	15.1	16.3	14.6	12.9	12.3	12.9	13.5
120°	11.2	11.8	12.3	12.9	13.5	14.0	12.9	11.2	10.7	11.8	11.8
122.5°	10.1	10.7	10.7	11.2	11.8	12.3	11.2	10.1	9.5	10.1	10.7
125°	9.0	9.5	10.1	10.1	10.7	10.7	10.1	9.0	9.0	9.5	9.5
127.5°	8.4	9.0	9.0	9.5	9.5	9.5	9.0	7.9	8.4	9.0	9.0
130°	8.4	8.4	8.4	8.4	8.4	8.4	7.9	7.3	7.9	8.4	8.4
132.5°	7.9	7.9	7.9	7.9	7.9	7.3	6.7	6.7	7.3	7.9	7.9
135°	7.3	7.3	6.7	6.7	6.7	6.7	6.2	6.2	6.2	6.7	6.7
137.5°	6.2	6.2	5.6	5.6	5.6	5.6	5.0	5.0	5.6	6.2	6.2
140°	5.0	5.0	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.6
142.5°	3.9	3.9	3.9	3.4	3.4	3.9	3.9	3.9	4.5	4.5	4.5
145°	3.4	3.4	3.4	2.8	2.8	3.4	3.4	3.4	3.9	3.9	3.9
147.5°	2.8	2.8	2.8	2.2	1.7	2.8	2.8	2.8	3.4	2.8	2.8
150°	2.8	2.8	2.2	1.7	1.7	1.7	2.2	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	1.7	1.1	1.1	1.7	2.2	1.7	1.7	1.7
155°	2.2	2.2	1.7	1.7	1.1	0.6	1.1	1.7	1.1	1.1	1.1
157.5°	1.7	1.7	1.7	1.1	0.6	0.6	1.1	1.1	0.6	0.6	0.6
160°	1.7	1.7	1.1	1.1	0.6	0.6	1.1	1.1	0.6	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)