

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: P416039

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416039
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-PA1-60-760-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 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: 7048 lumens
Efficiency: N/A
Efficacy: 110.1 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 - 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

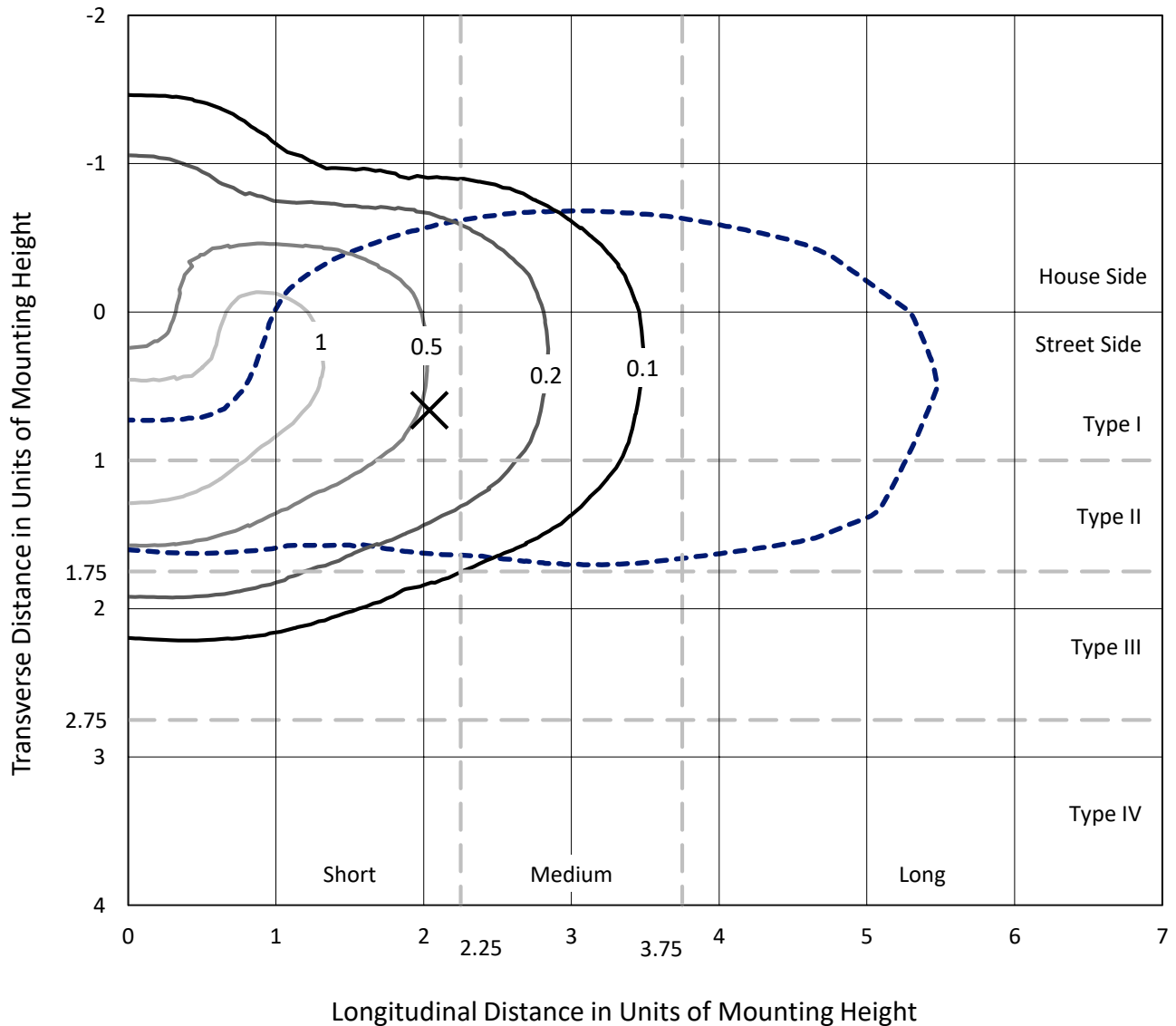


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

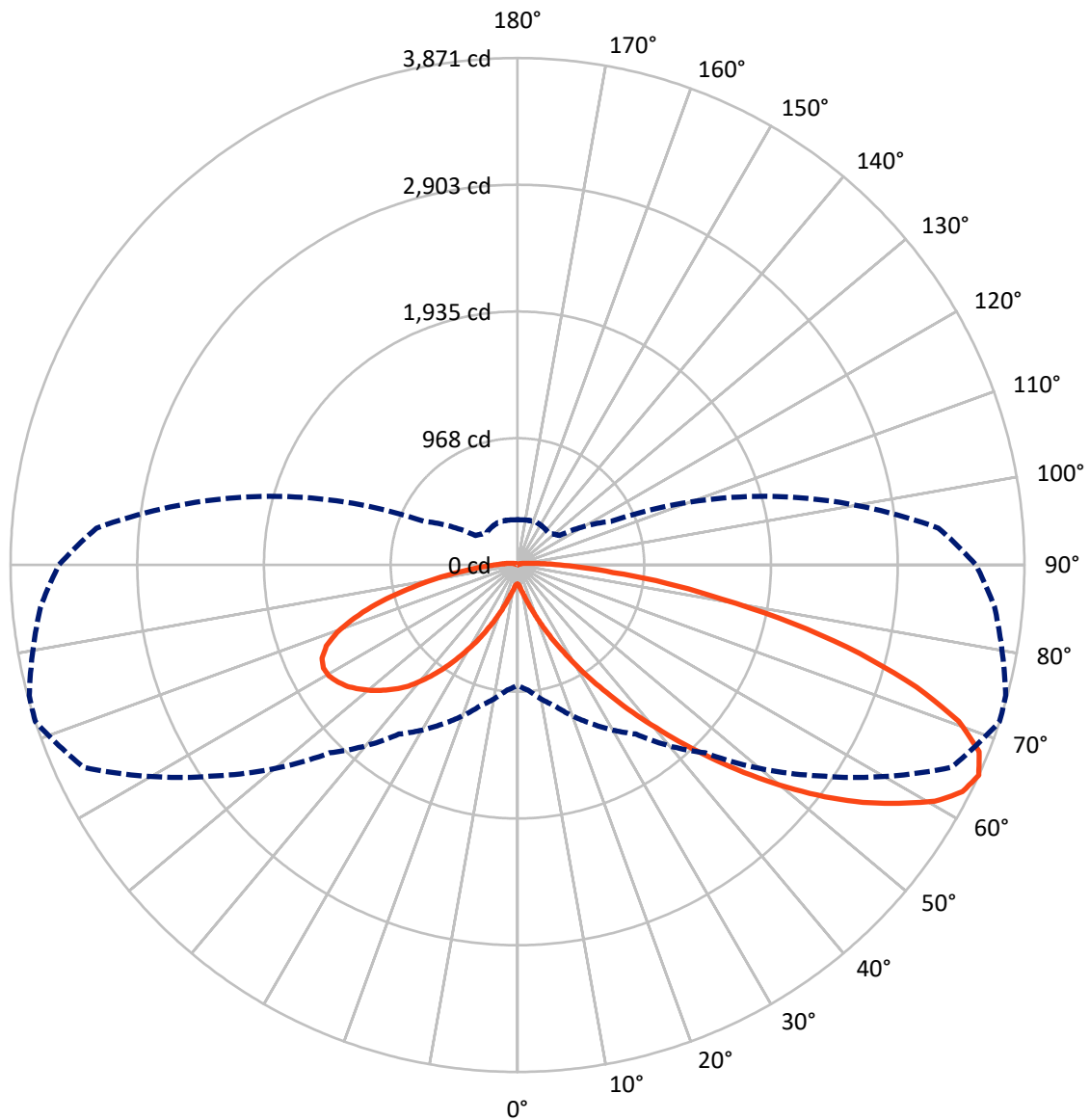


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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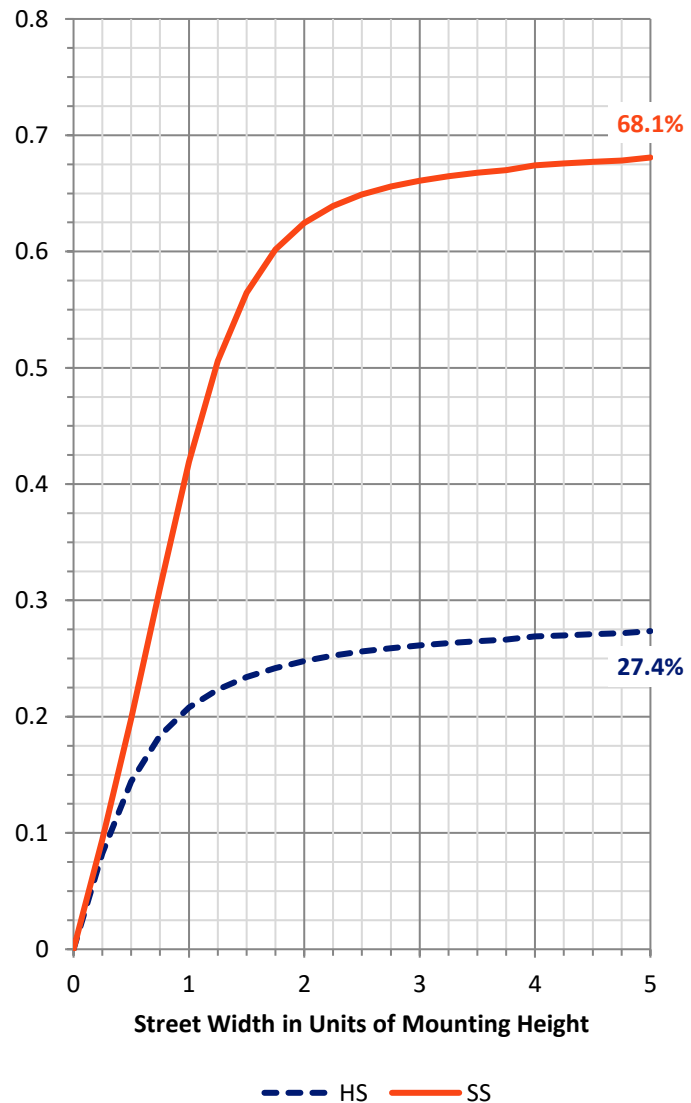
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1987.1	100.0	2087.1
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	4863.4	97.5	4960.9
	% Fixture	69.0	1.4	70.4
Total	Lumens	6850.5	197.5	7048.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.2
10°-20°	85.2	1.2
20°-30°	270.1	3.8
30°-40°	647.2	9.2
40°-50°	1194.9	17.0
50°-60°	1628.2	23.1
60°-70°	1587.5	22.5
70°-80°	1036.7	14.7
80°-90°	384.0	5.4
90°-100°	106.7	1.5
100°-110°	44.7	0.6
110°-120°	22.5	0.3
120°-130°	12.8	0.2
130°-140°	7.2	0.1
140°-150°	2.9	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6850.5	97.2
0°-180°	7048.0	100.0



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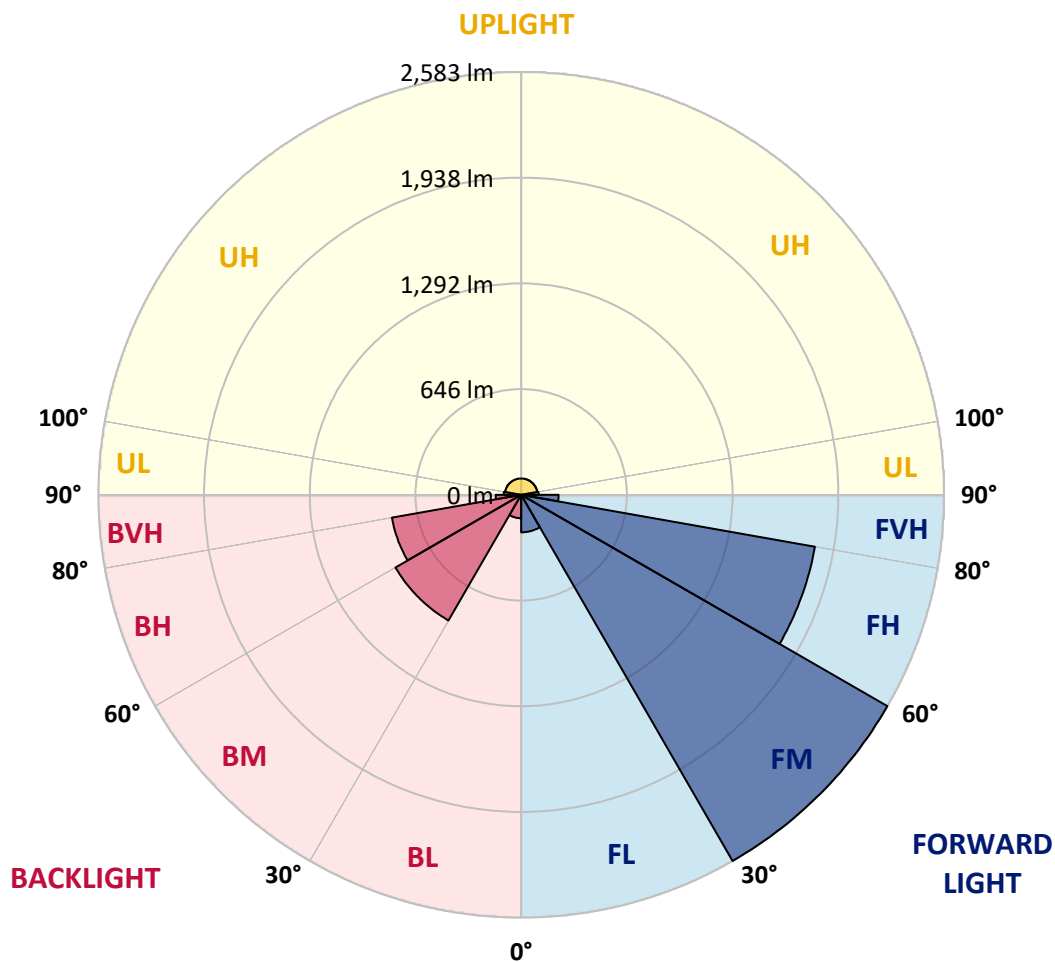
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.0	3.2			
FM (30°-60°)	2583.4	36.7			
FH (60°-80°)	1822.4	25.9			G2/5000
FVH (80°-90°)	228.6	3.2			G3/500
BL (0°-30°)	143.1	2.0	B1/500		
BM (30°-60°)	886.9	12.6	B1/1000		
BH (60°-80°)	801.8	11.4	B2/1000		G2/1000
BVH (80°-90°)	155.4	2.2			G2/225
UL (90°-100°)	106.7	1.5		U3/500	
UH (100°-180°)	100.0	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8
2.5°	162.3	161.5	159.9	159.1	159.1	157.4	155.8	153.4	151.7	150.9	149.3
5°	183.5	181.9	180.3	178.6	177.0	174.6	170.5	168.0	164.8	164.0	160.7
7.5°	213.7	212.1	207.2	205.6	203.1	199.9	195.0	190.1	186.8	184.4	179.5
10°	253.7	252.1	248.8	244.7	239.8	233.3	225.1	220.2	212.1	213.7	206.4
12.5°	308.3	304.3	300.2	293.7	283.9	276.5	265.1	260.2	251.2	251.2	242.3
15°	374.4	373.6	365.5	351.6	342.6	327.1	317.3	306.7	301.0	301.0	293.7
17.5°	460.1	454.4	447.8	429.1	408.7	389.9	376.9	369.5	363.0	361.4	351.6
20°	566.1	558.0	548.2	514.7	490.3	467.4	448.7	442.9	438.1	437.2	429.1
22.5°	700.7	683.6	665.6	633.0	593.9	553.9	540.8	527.8	528.6	530.2	511.5
25°	850.0	845.1	813.3	766.8	715.4	671.4	635.5	630.6	635.5	632.2	624.9
27.5°	1041.7	1025.4	985.4	925.9	844.3	792.9	754.6	751.3	752.1	756.2	744.0
30°	1265.2	1257.1	1206.5	1107.0	1001.7	933.2	891.6	885.9	895.7	896.5	877.7
32.5°	1528.7	1512.4	1434.9	1323.9	1180.4	1093.1	1045.8	1044.1	1054.8	1057.2	1042.5
35°	1795.4	1787.3	1710.6	1551.5	1394.1	1262.0	1213.8	1217.1	1224.4	1239.1	1222.0
37.5°	2103.0	2081.0	1982.2	1814.2	1615.2	1456.9	1405.5	1416.9	1428.4	1428.4	1404.7
40°	2393.4	2385.2	2281.6	2070.3	1832.2	1685.3	1629.0	1635.6	1634.7	1635.6	1604.6
42.5°	2662.6	2634.8	2543.5	2319.2	2073.6	1924.3	1856.6	1867.2	1877.0	1884.4	1806.0
45°	2844.5	2820.8	2740.1	2519.0	2302.0	2160.9	2116.8	2116.8	2128.3	2125.0	2047.5
47.5°	2908.9	2905.7	2845.3	2677.3	2478.2	2368.9	2371.4	2380.3	2397.5	2382.0	2271.0
50°	2878.7	2865.7	2855.1	2761.3	2624.2	2572.0	2621.0	2666.7	2668.3	2640.6	2499.4
52.5°	2689.5	2691.1	2745.0	2727.8	2665.0	2718.0	2867.3	2948.1	2940.7	2913.8	2744.2
55°	2401.5	2414.6	2508.4	2580.2	2618.5	2765.4	3050.1	3217.3	3201.0	3163.4	2991.3
57.5°	2018.1	2060.6	2186.2	2342.8	2479.9	2721.3	3149.6	3450.6	3433.5	3433.5	3237.7
60°	1610.3	1644.5	1829.7	2020.6	2236.8	2572.8	3159.4	3621.9	3663.5	3637.4	3412.2
62.5°	1248.9	1263.6	1455.3	1695.9	1927.6	2323.2	3046.8	3703.5	3813.6	3791.6	3568.9
65°	919.3	960.9	1115.9	1336.2	1576.0	2028.7	2806.1	3655.3	3870.7	3859.3	3655.3
67.5°	683.6	702.4	832.1	1036.0	1273.4	1662.5	2455.4	3444.9	3802.2	3812.0	3642.3
70°	512.3	517.2	618.3	786.4	988.7	1311.7	2046.7	3108.8	3574.6	3618.6	3525.6
72.5°	387.5	396.4	480.5	612.6	762.7	1009.9	1617.6	2652.0	3186.3	3295.6	3260.5
75°	303.5	314.1	372.0	473.9	589.8	764.3	1224.4	2112.0	2699.3	2840.4	2879.6
77.5°	239.8	251.2	300.2	378.5	460.1	589.8	899.8	1580.1	2156.0	2297.1	2411.3
80°	188.4	196.6	239.8	297.7	362.2	435.6	630.6	1148.6	1583.4	1759.6	1864.0
82.5°	143.6	152.5	186.0	234.9	283.9	332.8	450.3	781.5	1148.6	1228.5	1406.3
85°	104.4	112.6	140.3	180.3	218.6	257.8	329.6	521.3	731.7	827.2	916.9
87.5°	76.7	79.9	104.4	133.8	168.0	195.0	237.4	332.8	465.0	512.3	587.3
90°	53.8	57.1	76.7	98.7	127.3	152.5	174.6	220.2	289.6	332.0	345.9
92.5°	40.0	42.4	57.1	74.2	97.9	118.3	132.1	155.8	188.4	206.4	217.8
95°	30.2	32.6	44.9	58.7	75.9	93.0	103.6	112.6	131.3	136.2	146.0
97.5°	24.5	26.1	36.7	48.1	61.2	76.7	82.4	87.3	93.8	98.7	102.8
100°	21.2	22.0	31.0	40.8	52.2	62.0	66.9	69.3	73.4	75.0	76.7
102.5°	18.8	18.8	26.9	35.1	44.9	52.2	56.3	56.3	57.1	57.9	57.1
105°	16.3	17.1	23.7	31.0	38.3	44.9	48.1	46.5	45.7	44.9	42.4
107.5°	15.5	15.5	21.2	27.7	34.3	39.2	41.6	38.3	36.7	35.1	32.6
110°	13.9	14.7	18.8	24.5	30.2	34.3	35.9	32.6	29.4	27.7	25.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	13.1	13.9	17.1	22.0	26.9	31.0	31.0	27.7	23.7	22.0	20.4
115°	13.1	13.1	15.5	19.6	24.5	27.7	27.7	23.7	19.6	17.9	17.1
117.5°	13.1	13.1	14.7	17.9	22.0	24.5	24.5	20.4	16.3	14.7	14.7
120°	12.2	12.2	13.9	16.3	20.4	22.0	21.2	17.9	13.9	13.1	13.1
122.5°	12.2	12.2	13.1	15.5	18.8	20.4	19.6	15.5	12.2	10.6	11.4
125°	13.1	12.2	13.1	14.7	17.1	17.9	17.1	13.1	10.6	9.8	10.6
127.5°	13.1	13.1	12.2	13.9	15.5	16.3	15.5	11.4	9.0	9.0	9.8
130°	13.1	13.1	12.2	13.1	13.9	14.7	13.1	9.8	8.2	8.2	9.0
132.5°	13.1	13.1	12.2	12.2	13.1	13.1	11.4	8.2	7.3	7.3	8.2
135°	13.1	13.1	11.4	11.4	11.4	11.4	9.8	7.3	6.5	6.5	7.3
137.5°	12.2	12.2	11.4	10.6	10.6	9.8	8.2	5.7	4.9	5.7	6.5
140°	11.4	11.4	10.6	9.0	9.0	8.2	6.5	4.9	4.1	4.9	4.9
142.5°	10.6	10.6	9.8	8.2	7.3	6.5	5.7	3.3	3.3	3.3	4.1
145°	9.8	9.8	9.0	6.5	5.7	4.9	4.1	2.4	2.4	2.4	3.3
147.5°	8.2	8.2	7.3	5.7	4.1	4.1	2.4	1.6	2.4	2.4	2.4
150°	6.5	6.5	5.7	4.1	3.3	2.4	0.8	1.6	1.6	1.6	2.4
152.5°	5.7	5.7	4.1	3.3	1.6	0.8	0.8	0.8	1.6	1.6	1.6
155°	4.1	4.1	3.3	1.6	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.8	0.8	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°	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8	146.8
2.5°	147.6	147.6	146.8	146.0	145.2	144.4	142.8	141.9	141.9	141.1	141.1
5°	159.1	158.3	155.8	153.4	150.1	148.5	146.0	144.4	143.6	142.8	142.8
7.5°	177.0	175.4	170.5	166.4	162.3	159.1	155.0	152.5	151.7	149.3	150.1
10°	202.3	199.9	194.1	186.8	179.5	174.6	168.9	165.6	164.0	162.3	160.7
12.5°	239.0	234.1	224.3	214.5	203.9	194.1	188.4	186.0	187.6	186.8	187.6
15°	289.6	280.6	265.9	251.2	232.5	220.2	218.6	217.8	217.8	218.6	220.2
17.5°	346.7	336.9	318.1	291.2	269.2	257.0	249.6	248.8	252.9	253.7	252.9
20°	421.7	411.9	382.6	345.9	314.1	294.5	284.7	284.7	290.4	292.0	295.3
22.5°	502.5	496.8	456.8	406.2	363.8	332.0	318.1	319.8	327.9	330.4	332.0
25°	615.1	592.2	543.3	473.9	412.8	370.3	351.6	352.4	361.4	367.9	370.3
27.5°	739.1	713.0	641.2	550.6	461.7	402.2	381.0	381.8	392.4	400.5	402.2
30°	872.0	845.9	752.1	626.5	507.4	430.7	402.2	403.0	415.2	424.2	425.8
32.5°	1014.0	992.8	861.4	708.1	547.4	450.3	416.0	416.8	427.4	435.6	437.2
35°	1193.4	1145.3	991.1	780.7	580.8	462.5	422.6	421.7	432.3	440.5	442.1
37.5°	1370.4	1319.1	1114.3	848.4	600.4	465.8	420.9	420.9	429.1	435.6	436.4
40°	1563.0	1477.3	1244.0	901.4	607.7	460.9	416.0	415.2	421.7	425.0	425.8
42.5°	1770.2	1664.9	1371.3	943.8	604.5	450.3	407.1	407.9	410.3	410.3	409.5
45°	1957.0	1850.1	1480.6	971.5	593.0	436.4	396.4	397.3	398.1	391.6	391.6
47.5°	2176.4	2046.7	1583.4	978.1	570.2	422.6	388.3	389.9	385.8	376.9	375.2
50°	2384.4	2240.0	1687.0	975.6	546.5	407.9	380.1	381.8	374.4	362.2	359.7
52.5°	2616.1	2430.9	1784.8	963.4	518.0	394.8	374.4	376.1	367.9	353.2	350.8
55°	2844.5	2633.2	1874.6	942.2	493.5	381.0	368.7	372.8	362.2	347.5	346.7
57.5°	3062.3	2833.9	1948.8	911.2	467.4	371.2	364.6	369.5	359.7	345.1	344.2
60°	3256.4	3004.4	2008.4	881.0	438.9	361.4	360.6	367.1	358.1	345.9	345.1
62.5°	3392.7	3157.7	2035.3	840.2	416.0	350.8	355.7	362.2	355.7	345.9	345.9
65°	3501.2	3226.3	2024.7	786.4	391.6	339.3	349.1	355.7	351.6	345.1	345.9
67.5°	3480.8	3224.6	1955.3	721.9	368.7	327.1	337.7	346.7	343.4	341.0	340.2
70°	3355.1	3072.1	1822.4	651.8	345.1	311.6	323.8	332.8	332.0	331.2	331.2
72.5°	3096.6	2807.8	1623.3	571.0	320.6	295.3	305.9	314.1	315.7	314.9	312.4
75°	2758.8	2444.0	1392.5	495.2	295.3	275.7	287.1	292.0	294.5	292.9	292.9
77.5°	2263.7	2037.7	1107.0	418.5	268.4	253.7	261.9	265.9	269.2	265.1	262.7
80°	1798.7	1549.9	851.6	341.8	239.0	229.2	233.3	234.9	238.2	234.1	229.2
82.5°	1262.8	1104.5	617.5	279.0	209.6	201.5	203.9	203.1	204.8	199.0	192.5
85°	843.5	742.3	425.0	224.3	179.5	172.1	172.1	169.7	168.0	162.3	157.4
87.5°	529.4	469.9	292.0	177.0	150.9	145.2	141.9	137.0	135.4	131.3	125.6
90°	326.3	300.2	203.9	141.9	125.6	120.7	117.5	110.1	109.3	102.8	98.7
92.5°	213.7	195.8	150.9	115.0	105.2	100.3	96.3	89.7	88.9	84.0	81.6
95°	141.1	137.0	115.0	96.3	88.9	84.8	80.8	75.0	73.4	68.5	65.3
97.5°	103.6	103.6	94.6	81.6	75.9	71.8	69.3	64.4	61.2	56.3	54.7
100°	78.3	79.1	75.9	70.2	65.3	61.2	58.7	54.7	52.2	47.3	46.5
102.5°	60.4	62.0	62.8	59.5	56.3	53.0	50.6	47.3	44.0	39.2	38.3
105°	46.5	48.1	51.4	50.6	48.9	46.5	44.0	40.8	36.7	32.6	32.6
107.5°	35.9	37.5	42.4	43.2	42.4	40.0	38.3	35.1	31.8	27.7	27.7
110°	27.7	30.2	35.1	36.7	36.7	35.1	33.4	30.2	26.1	23.7	23.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.8	25.3	29.4	31.8	31.8	31.0	28.6	25.3	22.0	20.4	20.4
115°	18.8	21.2	25.3	27.7	27.7	26.9	25.3	22.0	18.8	17.9	17.9
117.5°	16.3	17.9	21.2	23.7	24.5	23.7	22.0	18.8	16.3	16.3	16.3
120°	14.7	16.3	18.8	20.4	21.2	20.4	18.8	16.3	13.9	14.7	14.7
122.5°	13.1	13.9	16.3	18.8	18.8	18.8	17.1	13.9	12.2	13.1	13.1
125°	11.4	13.1	14.7	16.3	17.1	16.3	14.7	12.2	10.6	11.4	12.2
127.5°	10.6	11.4	13.1	14.7	14.7	14.7	13.1	10.6	9.8	10.6	10.6
130°	9.8	10.6	11.4	13.1	13.1	13.1	11.4	9.0	9.0	9.8	9.8
132.5°	9.0	9.8	10.6	11.4	11.4	11.4	9.8	8.2	7.3	9.0	9.0
135°	8.2	8.2	9.0	9.8	9.8	9.8	8.2	6.5	6.5	8.2	8.2
137.5°	6.5	7.3	8.2	8.2	8.2	8.2	6.5	5.7	5.7	6.5	6.5
140°	5.7	5.7	6.5	6.5	6.5	6.5	5.7	4.1	4.9	5.7	5.7
142.5°	4.9	4.9	5.7	5.7	5.7	4.9	4.1	3.3	4.1	4.9	4.9
145°	3.3	4.1	4.1	4.1	4.1	3.3	2.4	2.4	3.3	4.1	4.1
147.5°	3.3	3.3	3.3	3.3	3.3	2.4	1.6	1.6	2.4	3.3	3.3
150°	2.4	2.4	3.3	3.3	2.4	1.6	0.8	0.8	1.6	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.8	0.8	0.8	0.8	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)