

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: P266193

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T4W-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-T4W-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 6583.7 lumens
Efficiency: N/A
Efficacy: 79.3 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 - G3

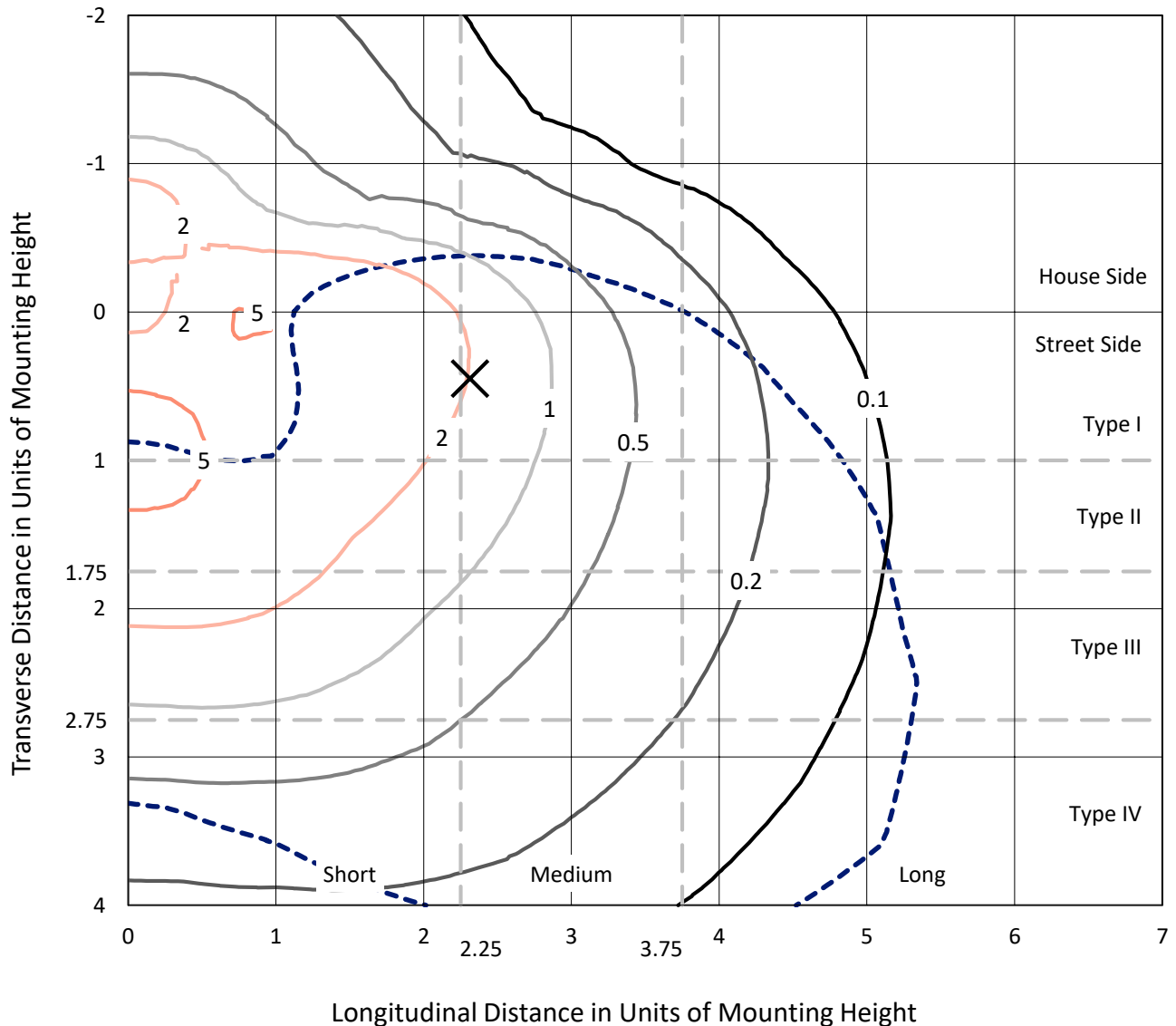
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

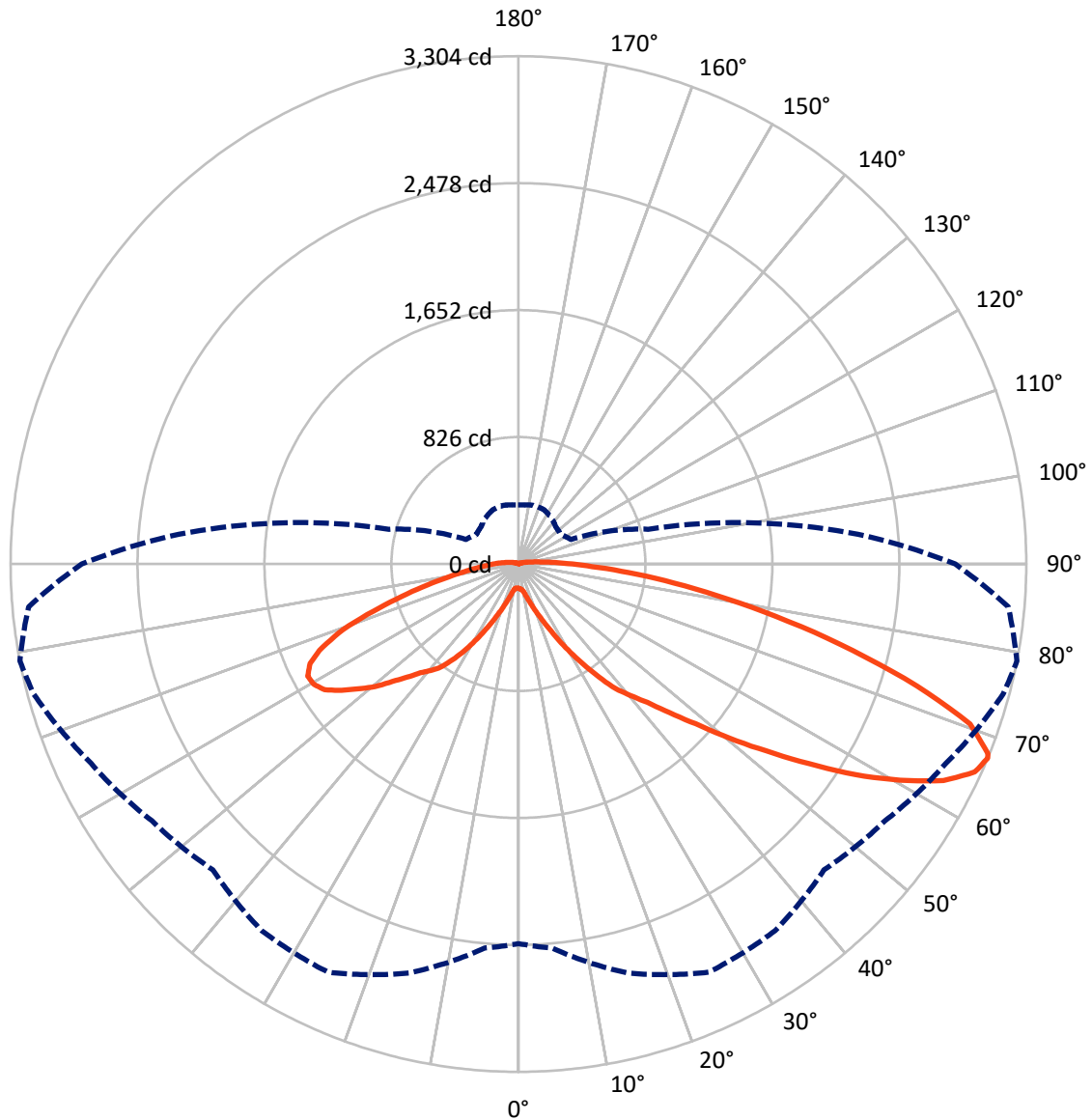


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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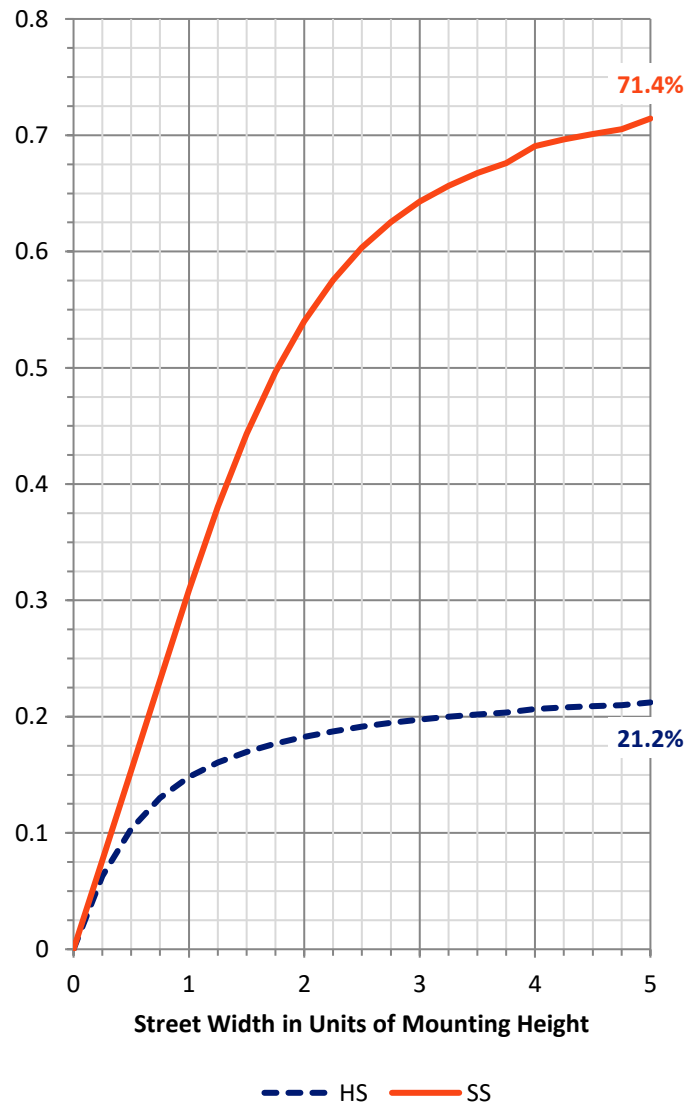
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1468.3	99.0	1567.3
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	4879.1	137.3	5016.4
	% Fixture	74.1	2.1	76.2
Total	Lumens	6347.4	236.3	6583.7
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.2
10°-20°	67.6	1.0
20°-30°	195.1	3.0
30°-40°	442.5	6.7
40°-50°	768.9	11.7
50°-60°	1232.0	18.7
60°-70°	1716.8	26.1
70°-80°	1356.1	20.6
80°-90°	552.3	8.4
90°-100°	157.5	2.4
100°-110°	46.9	0.7
110°-120°	18.1	0.3
120°-130°	8.7	0.1
130°-140°	4.0	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6347.4	96.4
0°-180°	6583.7	100.0

Coefficient of Utilization



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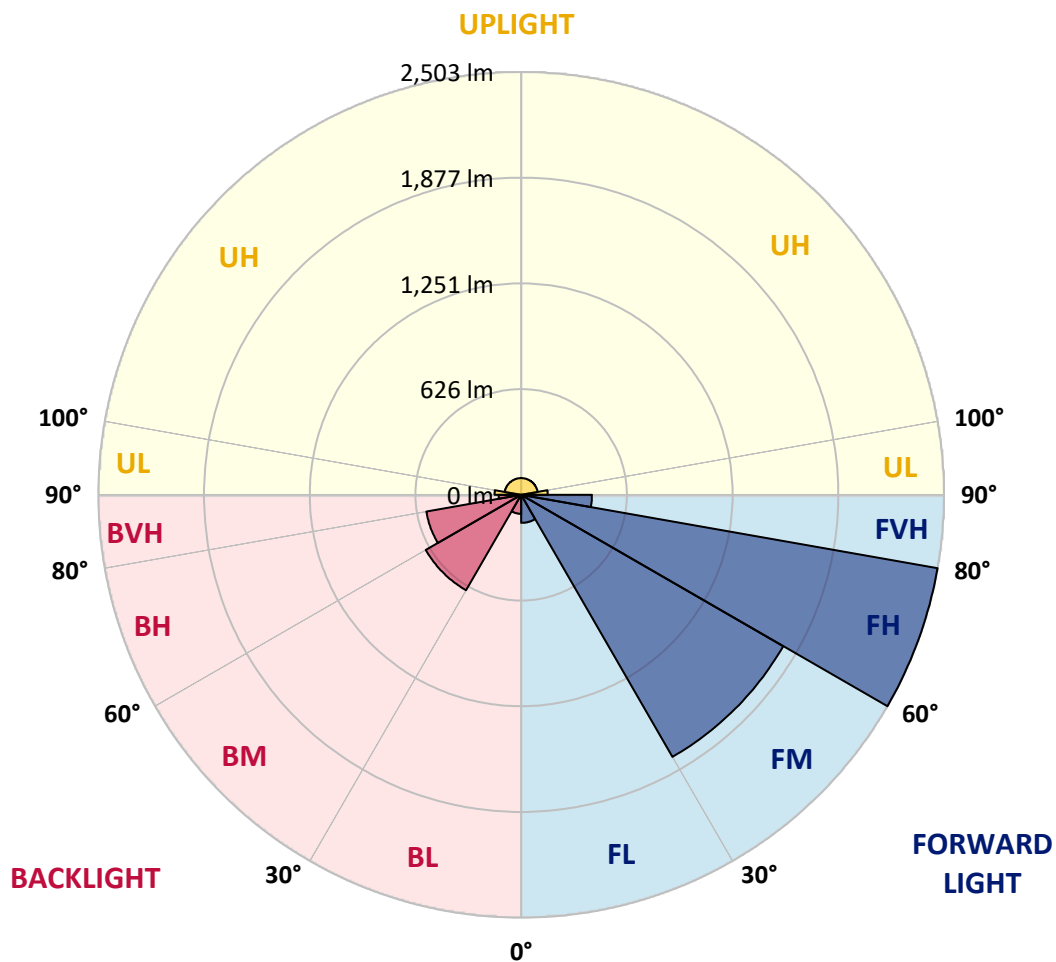
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.2	2.5			
FM (30°-60°)	1791.2	27.2			
FH (60°-80°)	2502.8	38.0			G2/5000
FVH (80°-90°)	419.0	6.4			G3/500
BL (0°-30°)	112.5	1.7	B1/500		
BM (30°-60°)	652.3	9.9	B1/1000		
BH (60°-80°)	570.1	8.7	B2/1000		G2/1000
BVH (80°-90°)	133.3	2.0			G2/225
UL (90°-100°)	157.5	2.4		U3/500	
UH (100°-180°)	99.0	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5
2.5°	168.7	168.7	169.5	169.5	169.5	168.0	165.6	163.1	161.5	160.7	159.2
5°	181.5	180.6	181.5	180.6	180.6	177.4	173.6	169.5	166.4	164.7	162.4
7.5°	199.8	199.8	199.0	197.4	195.8	190.3	183.9	179.0	174.4	171.0	168.7
10°	222.8	223.6	222.1	218.1	214.1	206.9	199.8	193.3	186.2	182.3	179.0
12.5°	258.6	258.6	255.5	246.8	237.2	228.3	220.4	214.1	210.9	206.9	203.7
15°	303.2	302.4	297.7	284.1	271.4	256.2	250.6	246.8	244.2	241.1	237.2
17.5°	355.6	354.9	346.1	327.9	307.9	296.8	288.0	284.1	285.8	282.4	279.4
20°	418.6	417.1	403.5	377.9	358.2	343.1	333.5	329.5	334.3	331.8	329.5
22.5°	499.0	495.0	475.9	439.4	416.3	391.5	382.8	381.2	392.3	392.3	392.3
25°	594.5	590.5	561.8	519.7	479.1	448.9	440.1	448.9	467.2	469.5	474.3
27.5°	705.1	700.3	665.4	606.4	552.3	511.8	504.6	522.0	550.8	561.8	566.7
30°	835.7	832.4	782.3	707.4	631.1	580.1	572.2	604.0	648.5	666.2	678.0
32.5°	990.0	986.0	913.5	825.3	718.6	655.0	648.5	697.2	764.0	780.6	804.6
35°	1181.0	1177.0	1081.5	958.1	816.5	734.5	734.5	797.4	879.4	902.4	931.9
37.5°	1372.8	1372.0	1275.8	1110.9	924.7	822.0	823.7	896.1	994.8	1030.5	1057.7
40°	1559.7	1561.4	1451.7	1262.9	1045.6	918.3	917.6	990.8	1093.4	1124.5	1150.8
42.5°	1730.1	1729.2	1625.8	1424.5	1171.4	1022.6	1008.3	1079.9	1188.9	1231.1	1266.2
45°	1848.7	1857.4	1777.8	1570.1	1298.1	1130.8	1101.4	1181.0	1320.2	1378.4	1425.3
47.5°	1995.9	1996.8	1923.5	1707.0	1427.6	1243.1	1216.0	1316.2	1493.0	1553.4	1602.8
50°	2158.3	2166.3	2108.1	1879.0	1574.1	1369.6	1359.2	1485.7	1695.9	1781.0	1842.3
52.5°	2296.7	2306.3	2270.5	2075.5	1750.7	1532.0	1532.0	1692.6	1917.9	2019.7	2079.4
55°	2398.7	2414.6	2423.3	2264.1	1950.6	1722.1	1739.7	1920.2	2170.1	2291.9	2364.3
57.5°	2479.9	2502.0	2543.5	2432.0	2147.0	1950.6	1976.0	2169.3	2473.5	2587.2	2663.7
60°	2600.0	2625.3	2700.2	2611.9	2373.1	2196.4	2230.8	2441.6	2752.0	2854.6	2912.8
62.5°	2611.9	2643.0	2794.1	2806.8	2584.9	2436.8	2512.4	2719.3	3015.4	3104.5	3117.2
65°	2556.9	2597.5	2798.1	2914.3	2810.1	2661.9	2768.7	2958.8	3204.0	3262.9	3230.2
67°	2469.4	2508.4	2755.1	2930.2	2911.9	2812.5	2911.9	3068.7	3265.2	3304.2	3199.3
67.5°	2432.0	2469.4	2731.2	2927.0	2924.6	2838.6	2935.0	3092.5	3268.5	3294.8	3176.0
70°	2192.6	2244.2	2524.3	2825.2	2919.0	2862.5	2975.5	3084.6	3127.5	3118.0	2947.7
72.5°	1771.5	1820.1	2125.6	2546.7	2761.5	2732.9	2833.2	2852.9	2777.4	2712.2	2479.9
75°	1299.6	1321.0	1602.8	2055.6	2408.1	2440.8	2516.4	2471.9	2333.3	2246.7	2010.2
77.5°	902.4	923.9	1140.4	1556.7	1941.7	2063.5	2138.3	2073.1	1927.5	1794.5	1536.7
80°	597.6	608.8	778.3	1134.0	1523.2	1692.6	1757.2	1690.3	1505.6	1375.1	1130.8
82.5°	364.5	386.0	508.5	795.0	1177.8	1386.4	1433.2	1356.1	1156.3	1021.1	814.9
85°	218.8	230.0	325.5	537.1	866.7	1099.9	1144.4	1044.1	842.0	720.3	545.9
87.5°	135.3	140.0	204.5	347.7	608.1	821.3	869.0	750.4	568.2	479.9	365.3
90°	87.6	91.4	134.4	229.2	401.9	584.9	606.4	511.0	377.9	319.9	247.6
92.5°	58.8	62.1	91.4	152.1	264.2	383.5	399.4	337.5	249.9	213.3	168.7
95°	41.4	43.7	64.5	103.5	171.8	236.3	253.1	218.8	163.1	140.9	116.2
97.5°	31.8	33.4	48.6	74.7	116.2	152.8	159.2	142.4	110.6	97.0	84.4
100°	25.4	27.0	38.2	56.6	83.5	104.3	108.2	97.8	78.1	70.1	62.1
102.5°	22.3	22.3	31.0	44.6	62.9	77.3	78.1	70.1	57.3	51.7	47.8
105°	19.1	19.1	25.4	35.8	50.1	59.6	59.6	51.7	42.2	38.2	36.7
107.5°	15.9	16.7	21.5	28.7	39.7	47.8	46.2	38.2	30.3	27.8	27.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	13.6	14.4	18.2	23.9	32.6	38.9	36.7	29.5	22.3	20.8	20.8
112.5°	11.9	12.8	15.1	20.8	27.8	32.6	29.5	22.3	16.7	15.9	16.7
115°	11.1	11.1	13.6	18.2	23.9	27.0	24.7	18.2	13.6	12.8	13.6
117.5°	9.5	10.3	11.9	15.9	21.5	23.0	20.8	14.4	10.3	10.3	11.9
120°	9.5	9.5	11.1	14.4	19.1	20.8	17.4	11.9	8.8	8.8	10.3
122.5°	8.8	8.8	10.3	13.6	16.7	18.2	15.1	10.3	7.9	7.9	8.8
125°	8.8	8.8	10.3	12.8	15.1	15.1	12.8	8.8	7.1	7.1	7.9
127.5°	9.5	9.5	10.3	11.9	13.6	13.6	11.1	7.9	6.4	6.4	7.1
130°	9.5	9.5	9.5	11.1	11.9	11.1	9.5	7.1	6.4	6.4	7.1
132.5°	9.5	9.5	9.5	9.5	10.3	9.5	7.9	5.6	5.6	5.6	6.4
135°	8.8	8.8	7.9	8.8	8.8	7.1	5.6	4.0	4.9	4.9	5.6
137.5°	7.1	7.1	7.1	7.1	6.4	5.6	4.0	3.1	4.0	4.9	4.9
140°	6.4	6.4	5.6	5.6	4.9	4.0	2.3	3.1	4.0	4.0	4.0
142.5°	4.9	4.9	4.9	4.0	3.1	2.3	1.5	2.3	3.1	3.1	4.0
145°	3.1	3.1	3.1	2.3	1.5	0.8	1.5	1.5	2.3	3.1	3.1
147.5°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	1.5	2.3	2.3	2.3
150°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.5	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
160°	0.0	0.0	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°	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5	158.5
2.5°	158.5	157.6	155.1	153.6	152.1	151.3	150.3	150.3	149.6	148.8	148.8
5°	160.7	159.2	155.1	152.1	149.6	148.0	146.5	145.6	144.1	143.3	143.3
7.5°	165.6	163.1	158.5	152.8	148.8	146.5	144.8	143.3	141.7	141.7	141.7
10°	175.1	171.8	164.7	157.6	151.3	148.0	146.5	144.8	144.8	144.1	144.1
12.5°	199.0	194.2	182.3	169.5	158.5	153.6	152.1	155.9	160.7	161.5	163.9
15°	231.7	226.8	211.7	193.3	175.1	164.7	170.3	177.4	185.4	191.8	191.8
17.5°	272.1	266.5	245.9	220.4	198.2	191.8	193.3	203.7	214.9	220.4	221.3
20°	322.3	314.3	285.8	250.6	226.1	216.4	218.8	229.2	245.1	253.1	254.7
22.5°	385.2	373.2	335.1	285.8	255.5	242.7	245.1	257.9	279.4	290.5	294.5
25°	464.8	449.6	391.5	327.9	284.9	265.8	272.9	292.8	319.9	336.7	335.8
27.5°	556.3	532.3	460.0	371.7	314.3	288.0	299.2	327.2	359.7	378.8	381.2
30°	666.2	635.0	534.9	417.8	339.7	307.9	322.3	357.3	393.9	419.4	421.8
32.5°	787.9	751.3	611.1	464.0	360.5	323.1	339.0	382.8	425.0	455.3	456.0
35°	912.8	865.8	683.6	503.8	377.9	335.1	351.7	401.9	451.2	486.3	488.7
37.5°	1032.2	977.3	750.4	530.0	389.1	341.4	359.0	417.8	473.4	511.0	513.3
40°	1122.2	1054.5	791.9	538.8	391.5	344.6	365.3	424.2	473.4	502.2	503.8
42.5°	1235.1	1146.0	822.0	530.0	385.2	344.6	367.6	416.3	454.5	473.4	473.4
45°	1386.4	1276.5	868.2	519.7	372.4	342.3	361.3	398.7	424.2	433.7	433.7
47.5°	1567.0	1423.8	915.3	512.6	362.8	336.7	351.7	377.2	390.8	391.5	390.0
50°	1795.4	1609.9	973.4	502.2	357.3	331.0	343.1	359.7	367.6	364.5	362.8
52.5°	2013.5	1775.5	1014.6	489.4	354.1	328.7	338.2	352.6	354.9	345.4	343.1
55°	2273.7	1969.7	1043.3	468.7	351.0	330.2	338.2	350.2	348.5	335.8	333.5
57.5°	2533.1	2151.9	1068.9	450.4	347.7	332.6	341.4	351.7	348.5	336.7	334.3
60°	2732.0	2276.8	1054.5	431.4	344.6	336.7	346.9	357.3	357.3	347.7	346.9
62.5°	2888.1	2351.7	1020.3	411.5	342.3	339.7	354.1	369.3	372.4	365.3	364.5
65°	2923.1	2321.4	954.2	392.3	339.0	342.3	363.8	382.8	385.2	377.9	377.2
67°	2841.1	2217.9	873.1	376.4	334.3	343.1	370.0	390.8	393.9	386.8	384.4
67.5°	2805.2	2177.3	852.3	372.4	332.6	343.1	370.8	391.5	395.6	388.3	386.0
70°	2530.7	1936.2	741.7	350.2	322.3	339.0	372.4	397.1	399.4	390.8	387.6
72.5°	2097.1	1561.4	613.6	328.7	309.6	328.7	366.9	393.2	392.3	379.7	377.2
75°	1662.5	1224.0	494.2	303.9	292.0	312.8	351.7	374.9	370.0	354.9	351.7
77.5°	1262.9	915.3	401.9	279.4	272.1	292.0	326.3	343.1	333.5	319.1	315.9
80°	900.1	658.9	327.2	256.2	250.6	268.2	294.5	303.2	296.8	283.3	279.4
82.5°	629.5	473.4	272.1	233.2	230.0	243.5	260.1	269.0	265.8	254.0	250.6
85°	435.3	331.0	229.2	210.2	208.4	218.1	228.3	234.0	236.3	230.0	226.1
87.5°	292.8	243.5	195.0	184.6	185.4	192.5	199.8	205.4	212.4	211.7	207.7
90°	209.2	182.3	163.1	158.5	160.0	168.0	171.0	174.4	183.1	183.1	180.6
92.5°	149.6	138.5	132.1	130.6	133.7	140.0	141.7	142.4	148.8	149.6	144.8
95°	106.7	101.1	103.5	105.0	108.2	113.7	112.9	110.6	113.7	113.7	109.9
97.5°	78.8	77.3	81.9	83.5	86.0	90.6	88.4	84.4	86.7	83.5	81.1
100°	60.5	60.5	66.0	66.8	68.5	70.8	70.1	66.8	67.6	63.7	62.1
102.5°	47.8	48.6	52.6	53.3	54.8	57.3	55.8	54.1	52.6	47.8	47.8
105°	37.4	38.2	41.4	42.2	43.7	46.2	45.4	42.9	40.7	36.7	36.7
107.5°	28.7	30.3	32.6	33.4	35.0	37.4	36.7	33.4	30.3	27.8	27.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.3	23.9	26.3	27.0	27.8	30.3	28.7	25.4	23.0	21.5	21.5
112.5°	18.2	19.1	21.5	22.3	23.0	24.7	23.0	19.9	17.4	16.7	16.7
115°	15.1	15.9	17.4	18.2	19.9	19.9	18.2	15.1	13.6	13.6	13.6
117.5°	12.8	13.6	15.1	15.9	15.9	16.7	14.4	11.9	10.3	11.1	11.1
120°	11.1	11.1	12.8	12.8	13.6	13.6	11.9	9.5	7.9	8.8	9.5
122.5°	9.5	9.5	10.3	11.1	11.1	11.1	9.5	7.9	6.4	7.1	7.9
125°	7.9	8.8	8.8	9.5	9.5	9.5	7.9	6.4	5.6	6.4	6.4
127.5°	7.9	7.9	7.9	7.9	7.9	7.9	6.4	4.9	4.9	5.6	5.6
130°	7.1	7.1	7.1	7.1	6.4	5.6	4.9	3.1	4.0	4.9	4.9
132.5°	6.4	6.4	6.4	5.6	4.9	4.0	3.1	2.3	2.3	4.0	4.0
135°	5.6	5.6	4.9	4.0	3.1	2.3	1.5	1.5	1.5	3.1	3.1
137.5°	4.9	4.9	4.0	3.1	2.3	1.5	0.8	0.0	0.8	1.5	1.5
140°	4.9	4.9	4.0	2.3	1.5	0.8	0.0	0.0	0.0	0.8	0.8
142.5°	4.0	4.0	3.1	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)