

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: P417064

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2R-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7616.9 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 - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

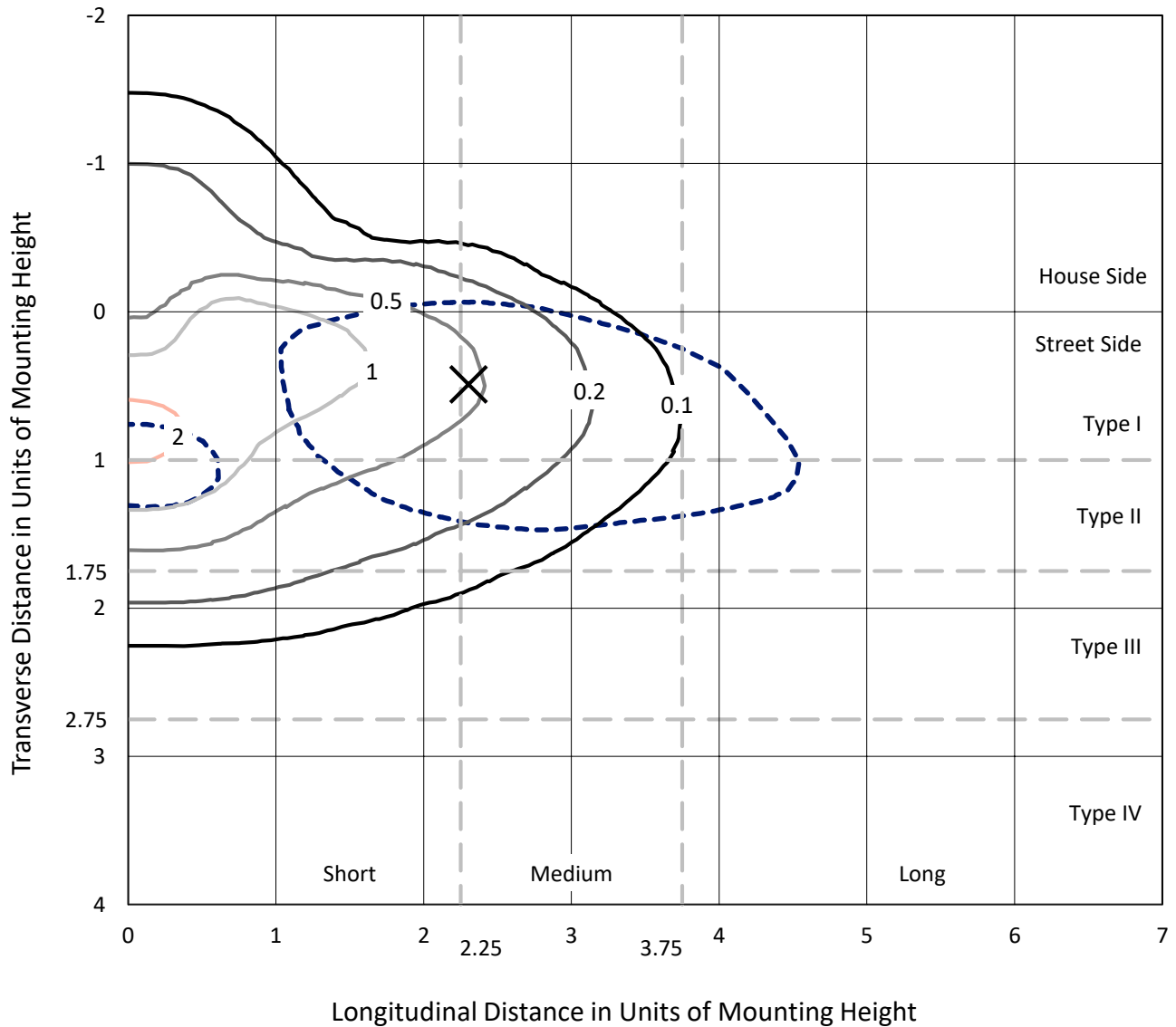
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

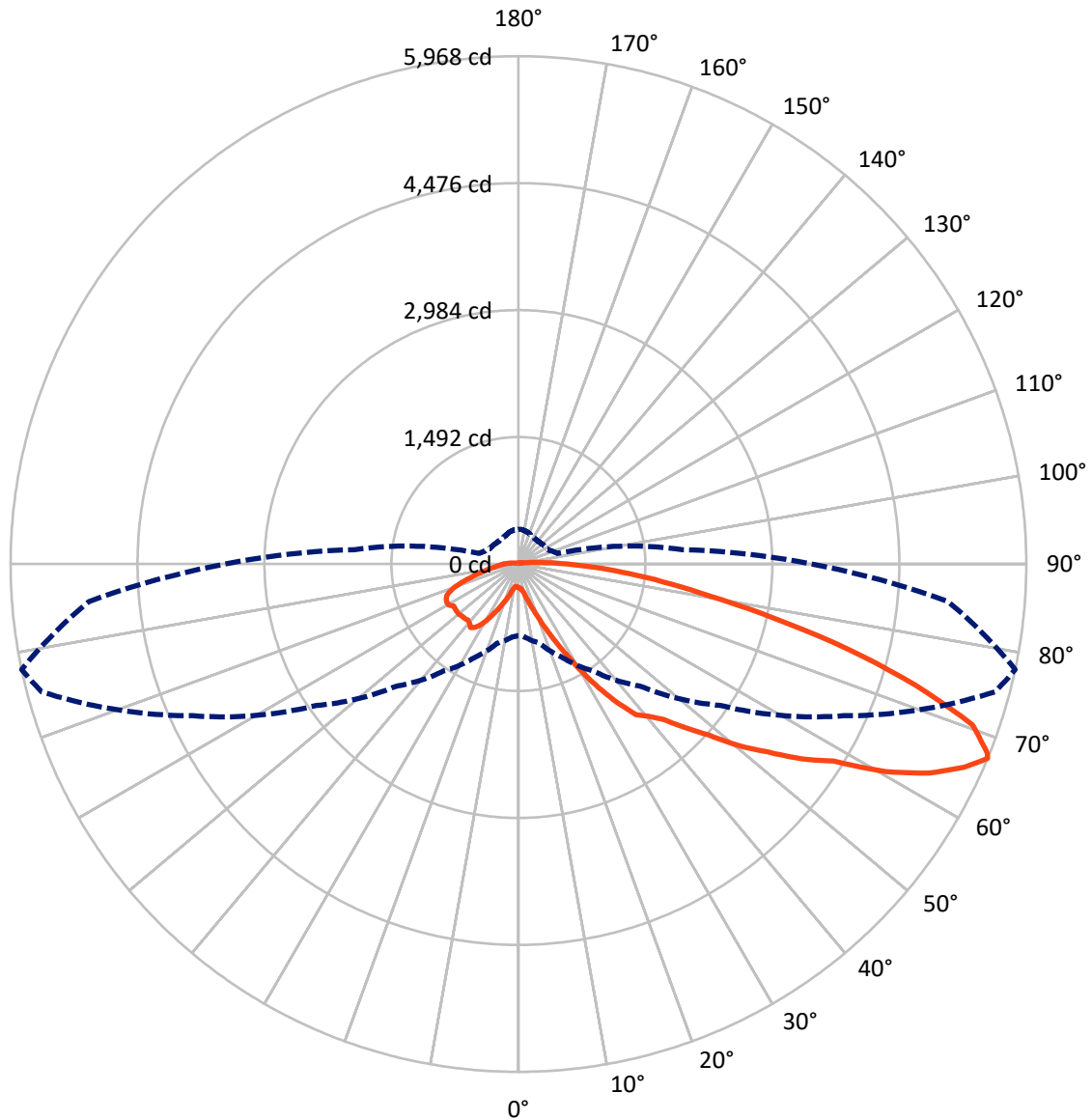
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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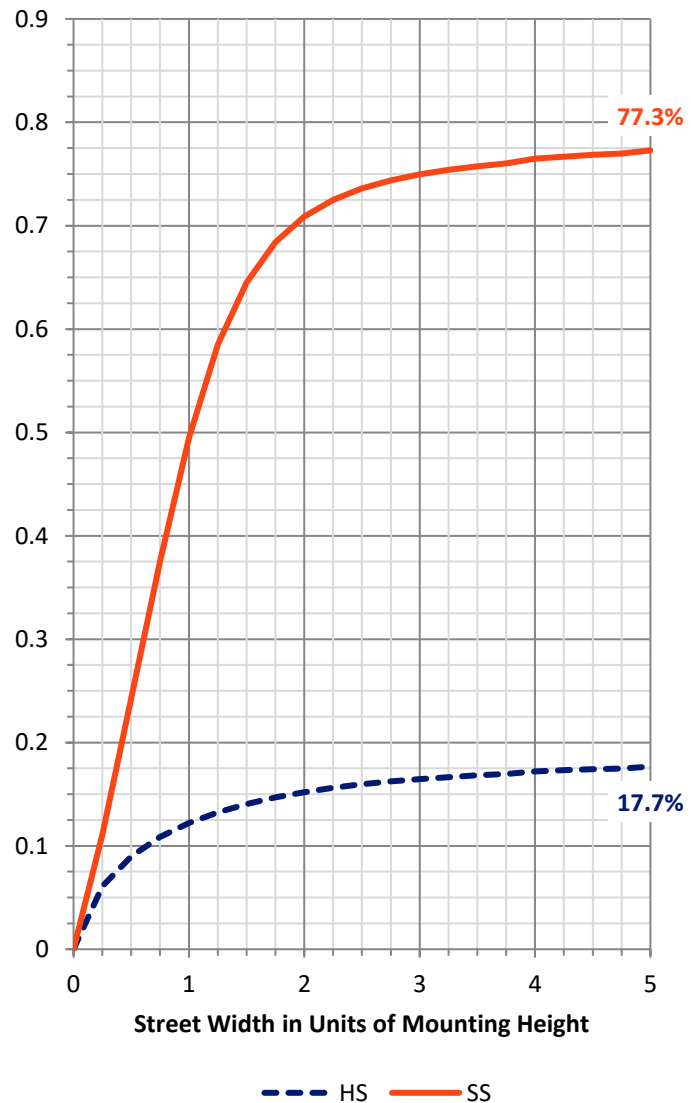
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1409.1	115.2	1524.3
	% Fixture	18.5	1.5	20.0
Street Side	Lumens	5969.8	122.7	6092.6
	% Fixture	78.4	1.6	80.0
Total	Lumens	7379.0	238.0	7616.9
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.4
10°-20°	118.5	1.6
20°-30°	355.4	4.7
30°-40°	813.5	10.7
40°-50°	1299.4	17.1
50°-60°	1601.4	21.0
60°-70°	1669.1	21.9
70°-80°	1082.3	14.2
80°-90°	411.4	5.4
90°-100°	127.1	1.7
100°-110°	48.9	0.6
110°-120°	26.3	0.3
120°-130°	17.4	0.2
130°-140°	11.5	0.2
140°-150°	5.1	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7379.0	96.9
0°-180°	7616.9	100.0

Coefficient of Utilization



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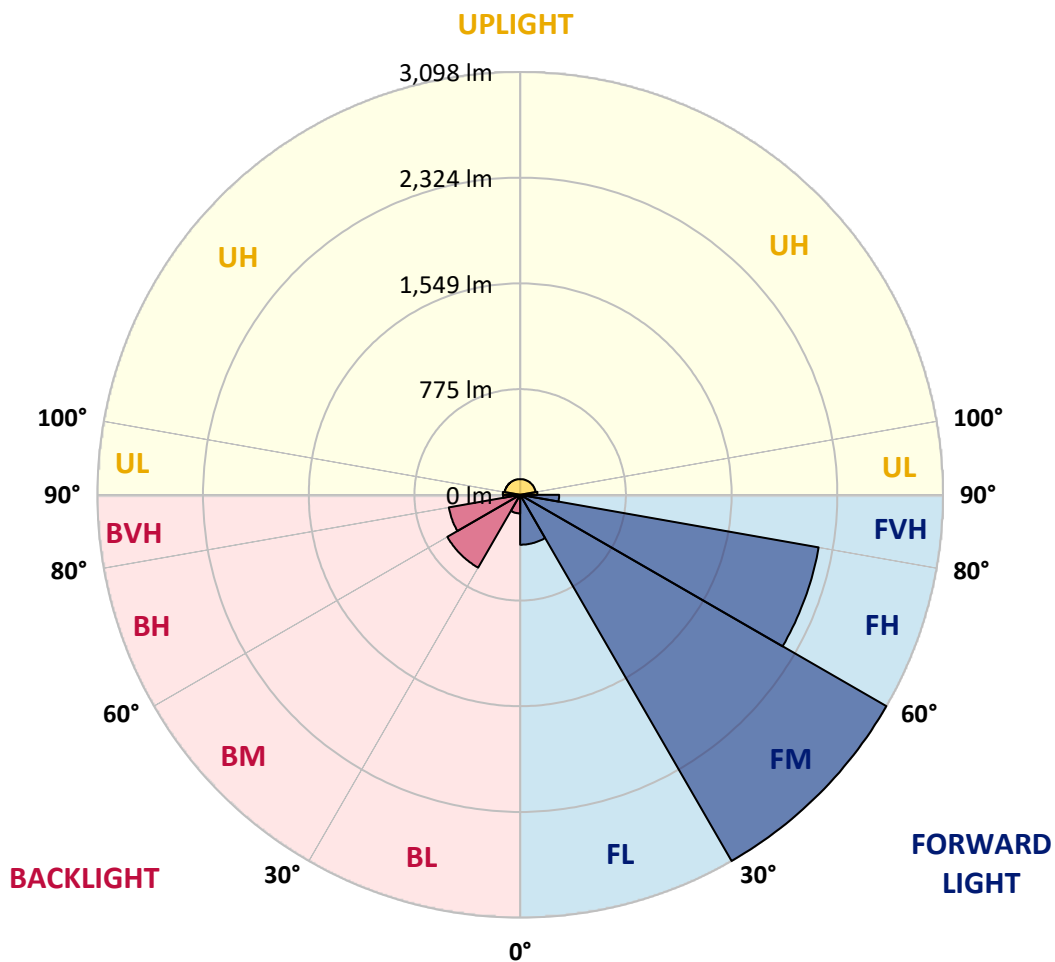
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.7	4.8			
FM	(30°-60°)	3098.2	40.7			
FH	(60°-80°)	2220.5	29.2			G2/5000
FVH	(80°-90°)	285.4	3.7			G3/500
BL	(0°-30°)	136.1	1.8	B1/500		
BM	(30°-60°)	616.1	8.1	B1/1000		
BH	(60°-80°)	530.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	126.0	1.7			G2/225
UL	(90°-100°)	127.1	1.7		U3/500	
UH	(100°-180°)	115.2	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7
2.5°	313.8	312.8	311.9	310.1	306.5	302.9	297.5	290.3	284.9	284.0	278.6
5°	353.4	350.7	350.7	346.2	339.0	331.8	321.0	308.3	298.4	293.0	284.9
7.5°	402.1	396.7	398.5	391.3	381.4	368.7	351.6	334.5	315.6	310.1	298.4
10°	460.7	457.1	453.5	444.5	432.8	412.9	396.7	371.5	346.2	339.0	321.0
12.5°	531.9	532.8	522.0	512.1	492.3	472.4	452.6	428.3	400.3	392.2	368.7
15°	632.0	631.1	619.4	596.8	572.5	550.9	534.6	508.5	481.4	472.4	437.3
17.5°	749.2	746.5	737.5	697.8	673.5	656.4	632.9	616.7	577.9	568.0	524.7
20°	920.5	904.3	883.6	830.4	794.3	772.7	753.7	733.0	691.5	674.4	623.0
22.5°	1110.8	1118.9	1081.0	999.0	938.5	898.9	879.0	868.2	836.7	824.9	747.4
25°	1347.0	1347.0	1287.5	1197.3	1118.9	1044.9	1040.4	1053.1	1010.7	1002.6	920.5
27.5°	1595.8	1605.7	1527.3	1430.8	1311.8	1225.3	1220.7	1231.6	1228.0	1204.5	1087.3
30°	1879.8	1870.8	1782.4	1665.2	1507.4	1405.6	1392.9	1471.4	1477.7	1461.5	1333.4
32.5°	2210.7	2203.5	2092.6	1911.4	1716.6	1599.4	1607.5	1718.4	1761.7	1733.7	1584.1
35°	2612.8	2621.8	2447.8	2192.7	1935.7	1800.5	1809.5	1948.3	2029.5	1995.2	1826.6
37.5°	3025.7	3028.4	2868.8	2523.5	2171.0	1979.0	2000.6	2170.1	2274.7	2246.7	2015.0
40°	3287.2	3314.2	3161.0	2832.8	2419.0	2157.5	2175.5	2343.2	2404.5	2352.2	2080.0
42.5°	3516.2	3536.9	3380.9	3028.4	2607.4	2317.1	2310.8	2437.9	2526.2	2493.8	2213.4
45°	3628.9	3669.4	3528.8	3164.6	2739.9	2441.5	2392.8	2583.0	2779.6	2739.0	2429.8
47.5°	3546.8	3596.4	3536.9	3235.8	2799.4	2519.9	2530.7	2792.2	3046.5	3001.4	2666.0
50°	3279.1	3338.6	3358.4	3182.6	2814.7	2558.7	2674.1	3025.7	3366.5	3357.5	2956.3
52.5°	2956.3	2987.9	3074.4	3022.1	2757.9	2603.8	2829.2	3252.0	3696.5	3668.5	3197.0
55°	2657.9	2699.3	2770.6	2739.9	2617.3	2609.2	2951.8	3504.5	4047.2	4043.6	3500.0
57.5°	2246.7	2304.4	2454.1	2471.2	2435.2	2575.8	3041.0	3702.8	4357.4	4370.0	3803.8
60°	1724.7	1773.4	2000.6	2181.8	2213.4	2497.4	3086.1	3921.0	4887.5	4953.3	4334.8
62.5°	1398.4	1407.4	1579.6	1805.9	2020.5	2354.0	3093.3	4196.9	5350.9	5410.4	4653.1
65°	1046.7	1044.9	1203.6	1461.5	1759.9	2186.3	3070.8	4283.4	5602.4	5754.8	4956.9
67°	841.2	861.0	962.9	1208.1	1534.5	2029.5	2895.9	4219.4	5799.9	5967.6	5067.8
67.5°	808.7	818.6	911.5	1143.2	1483.1	1982.6	2844.5	4203.2	5799.0	5941.4	5034.4
70°	645.5	659.1	726.7	879.9	1186.5	1675.1	2483.0	3826.3	5455.5	5662.9	4728.8
72.5°	498.6	509.4	557.2	673.5	903.4	1348.8	2053.8	3292.6	4724.3	4888.4	4009.3
75°	379.6	383.2	428.3	507.6	689.7	1028.7	1585.9	2593.0	3884.9	4009.3	3258.3
77.5°	293.9	302.0	336.3	389.5	512.1	774.5	1193.7	2019.5	3090.6	3071.7	2477.6
80°	229.0	236.2	261.5	298.4	384.1	568.9	873.6	1493.0	2257.6	2280.1	1814.0
82.5°	183.9	189.3	206.5	233.5	295.7	432.8	638.3	1116.2	1716.6	1708.5	1329.8
85°	147.0	150.6	163.2	186.6	228.1	328.2	471.5	829.5	1211.7	1221.6	907.9
87.5°	114.5	119.0	133.4	147.9	180.3	249.7	348.0	575.2	806.0	814.1	623.9
90°	89.3	92.0	104.6	119.9	146.1	189.3	251.5	394.0	519.3	509.4	401.2
92.5°	65.8	68.5	80.2	94.7	113.6	146.1	181.2	252.4	303.8	310.1	250.6
95°	46.9	49.6	59.5	70.3	86.6	110.9	128.9	160.5	186.6	181.2	160.5
97.5°	36.1	37.0	44.2	52.3	65.8	85.7	95.6	110.9	122.6	119.9	111.8
100°	28.9	29.8	35.2	39.7	51.4	67.6	76.6	84.7	92.0	89.3	85.7
102.5°	24.3	25.2	28.9	32.5	42.4	56.8	62.2	67.6	70.3	70.3	68.5
105°	20.7	21.6	24.3	27.9	36.1	46.9	50.5	53.2	55.9	55.0	55.0
107.5°	18.9	18.9	21.6	24.3	31.6	39.7	41.5	42.4	43.3	43.3	45.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	17.1	18.0	19.8	21.6	27.9	35.2	35.2	34.3	34.3	34.3	37.0
112.5°	16.2	17.1	18.0	20.7	26.1	30.7	29.8	27.9	27.9	28.9	31.6
115°	16.2	16.2	17.1	19.8	24.3	27.9	26.1	23.4	23.4	24.3	27.0
117.5°	16.2	16.2	18.0	19.8	23.4	25.2	23.4	20.7	19.8	20.7	23.4
120°	17.1	17.1	18.0	19.8	21.6	23.4	21.6	18.9	18.0	18.9	21.6
122.5°	18.0	18.0	18.0	19.8	20.7	21.6	19.8	17.1	16.2	17.1	19.8
125°	18.9	18.9	18.9	19.8	20.7	19.8	18.0	16.2	16.2	16.2	18.9
127.5°	20.7	20.7	20.7	20.7	19.8	18.9	17.1	15.3	16.2	16.2	18.0
130°	22.5	22.5	21.6	20.7	19.8	18.0	16.2	14.4	15.3	16.2	18.0
132.5°	23.4	22.5	21.6	19.8	18.9	16.2	14.4	13.5	14.4	15.3	17.1
135°	21.6	21.6	19.8	18.0	17.1	14.4	12.6	12.6	13.5	14.4	15.3
137.5°	18.9	18.9	18.0	16.2	15.3	13.5	11.7	10.8	12.6	13.5	14.4
140°	16.2	16.2	15.3	13.5	12.6	11.7	9.9	9.0	10.8	11.7	12.6
142.5°	13.5	13.5	12.6	10.8	10.8	9.9	8.1	8.1	9.9	9.9	10.8
145°	10.8	10.8	10.8	9.0	9.0	8.1	6.3	7.2	8.1	9.0	9.0
147.5°	9.0	9.0	9.0	7.2	7.2	6.3	4.5	5.4	6.3	7.2	7.2
150°	7.2	7.2	7.2	6.3	5.4	4.5	3.6	4.5	4.5	5.4	5.4
152.5°	5.4	5.4	5.4	4.5	4.5	2.7	2.7	3.6	3.6	4.5	4.5
155°	3.6	3.6	4.5	3.6	2.7	1.8	2.7	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7	277.7
2.5°	275.9	274.1	269.6	265.1	260.6	257.0	252.4	251.5	251.5	249.7	249.7
5°	279.5	274.1	263.3	254.2	244.3	236.2	229.9	227.2	224.5	222.7	220.9
7.5°	287.6	278.6	260.6	246.1	231.7	219.1	210.1	205.6	202.9	200.2	201.1
10°	306.5	293.0	266.9	243.4	221.8	204.7	193.8	188.4	186.6	183.9	183.9
12.5°	347.1	329.1	291.2	251.5	218.2	194.7	182.1	180.3	182.1	184.8	184.8
15°	411.1	384.1	329.1	274.1	226.3	192.9	185.7	191.1	197.4	201.1	201.1
17.5°	489.6	452.6	374.2	300.2	238.0	209.2	200.2	207.4	215.5	220.9	220.9
20°	576.1	526.5	420.1	322.8	255.1	231.7	221.8	228.1	238.9	247.0	246.1
22.5°	688.8	616.7	473.3	342.6	275.9	252.4	246.1	254.2	270.5	281.3	282.2
25°	828.6	729.4	535.5	368.7	294.8	270.5	272.3	286.7	308.3	320.1	320.1
27.5°	977.3	852.0	588.7	394.9	314.7	289.4	298.4	318.3	341.7	355.2	357.0
30°	1173.9	1009.8	655.5	421.0	331.8	308.3	319.2	342.6	359.7	367.8	368.7
32.5°	1374.0	1159.4	708.6	448.1	348.0	321.9	331.8	354.3	369.6	378.7	377.8
35°	1555.2	1280.2	740.2	460.7	362.4	331.8	336.3	360.6	369.6	375.1	374.2
37.5°	1694.1	1366.8	751.9	463.4	367.8	336.3	338.1	358.8	371.5	381.4	379.6
40°	1717.5	1355.1	707.7	447.2	366.9	336.3	339.9	363.3	376.9	381.4	380.5
42.5°	1804.1	1387.5	669.9	418.3	356.1	335.4	343.5	365.1	371.5	368.7	366.0
45°	1954.6	1456.1	659.1	403.9	342.6	332.7	345.3	360.6	359.7	354.3	352.5
47.5°	2103.4	1521.9	635.6	397.6	339.0	331.8	344.4	355.2	357.9	352.5	350.7
50°	2292.7	1609.3	616.7	388.6	339.9	331.8	342.6	355.2	357.0	348.0	347.1
52.5°	2462.2	1669.7	588.7	380.5	340.8	334.5	342.6	355.2	356.1	347.1	345.3
55°	2638.9	1733.7	559.9	372.4	343.5	337.2	345.3	356.1	357.0	350.7	348.9
57.5°	2815.6	1789.6	527.4	366.0	346.2	342.6	347.1	357.0	364.2	362.4	362.4
60°	3176.3	1950.1	522.0	366.9	348.9	347.1	348.9	361.5	375.1	370.6	371.5
62.5°	3318.7	1984.4	512.1	378.7	357.0	350.7	351.6	365.1	379.6	385.9	385.0
65°	3448.6	1987.1	492.3	386.8	366.9	353.4	353.4	366.0	390.4	404.8	404.8
67°	3441.3	1933.0	477.8	387.7	371.5	356.1	352.5	366.0	391.3	407.5	408.4
67.5°	3399.9	1897.8	472.4	387.7	372.4	356.1	351.6	365.1	391.3	408.4	408.4
70°	3150.1	1713.0	437.3	377.8	369.6	351.6	346.2	356.1	385.9	409.3	409.3
72.5°	2609.2	1410.1	387.7	353.4	352.5	339.9	331.8	342.6	371.5	395.8	394.9
75°	2108.8	1127.0	338.1	317.4	326.4	317.4	311.0	319.2	347.1	371.5	369.6
77.5°	1576.0	846.6	292.1	283.1	295.7	289.4	284.0	292.1	319.2	342.6	339.0
80°	1164.8	652.7	254.2	250.6	259.7	257.9	256.0	259.7	283.1	298.4	295.7
82.5°	857.4	496.8	219.1	216.4	227.2	227.2	227.2	229.9	247.0	252.4	249.7
85°	609.5	374.2	192.9	185.7	194.7	199.3	202.0	202.9	211.9	212.8	206.5
87.5°	429.2	294.8	173.1	157.8	162.3	172.2	176.7	175.8	179.4	176.7	170.4
90°	299.3	231.7	156.9	134.3	134.3	144.3	151.5	150.6	151.5	144.3	137.9
92.5°	211.0	174.9	132.5	110.9	109.1	119.0	125.3	124.4	124.4	117.2	110.9
95°	141.5	128.9	105.5	89.3	86.6	94.7	101.0	99.2	99.2	92.0	89.3
97.5°	104.6	98.3	86.6	75.7	70.3	74.8	79.3	79.3	80.2	75.7	73.0
100°	82.0	79.3	73.9	64.9	59.5	60.4	63.1	63.1	66.7	63.1	61.3
102.5°	68.5	66.7	62.2	55.9	51.4	50.5	52.3	53.2	57.7	55.0	54.1
105°	56.8	55.9	53.2	47.8	44.2	44.2	44.2	45.1	49.6	47.8	47.8
107.5°	46.0	46.0	46.0	41.5	38.8	38.8	37.9	38.8	42.4	42.4	42.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	38.8	38.8	39.7	36.1	34.3	34.3	33.4	34.3	37.9	38.8	38.8
112.5°	33.4	33.4	34.3	32.5	30.7	30.7	29.8	29.8	33.4	36.1	36.1
115°	28.9	29.8	29.8	28.9	27.9	27.0	26.1	27.0	30.7	33.4	33.4
117.5°	25.2	26.1	27.0	26.1	25.2	24.3	23.4	24.3	27.9	31.6	31.6
120°	22.5	23.4	24.3	24.3	23.4	22.5	20.7	22.5	25.2	28.9	29.8
122.5°	20.7	21.6	21.6	21.6	21.6	19.8	18.9	19.8	22.5	26.1	27.0
125°	19.8	19.8	20.7	20.7	19.8	18.0	17.1	18.0	19.8	22.5	23.4
127.5°	18.9	18.9	19.8	19.8	18.0	16.2	15.3	16.2	18.0	19.8	19.8
130°	18.9	18.9	18.9	18.0	17.1	15.3	13.5	14.4	16.2	18.0	18.0
132.5°	18.0	17.1	17.1	17.1	15.3	13.5	12.6	12.6	14.4	16.2	16.2
135°	16.2	16.2	15.3	15.3	14.4	11.7	10.8	10.8	12.6	14.4	14.4
137.5°	14.4	14.4	13.5	13.5	12.6	10.8	9.0	9.9	11.7	11.7	12.6
140°	12.6	12.6	11.7	11.7	10.8	9.0	7.2	8.1	9.9	9.9	10.8
142.5°	10.8	10.8	10.8	9.9	9.0	7.2	6.3	7.2	9.0	9.0	9.0
145°	9.0	9.0	9.0	8.1	7.2	5.4	4.5	6.3	8.1	7.2	7.2
147.5°	7.2	7.2	7.2	7.2	5.4	4.5	3.6	5.4	6.3	6.3	6.3
150°	5.4	5.4	5.4	5.4	4.5	2.7	2.7	4.5	5.4	5.4	5.4
152.5°	4.5	4.5	4.5	5.4	4.5	1.8	1.8	3.6	4.5	4.5	4.5
155°	3.6	3.6	4.5	4.5	3.6	1.8	0.9	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	3.6	3.6	2.7	1.8	0.9	1.8	3.6	2.7	2.7
160°	1.8	2.7	2.7	2.7	2.7	1.8	0.0	1.8	2.7	1.8	1.8
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)