

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: P416281

Luminaire Tested: **LXF.LXT-PA1-70-730-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7086 lumens
Efficiency: N/A
Efficacy: 95.8 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

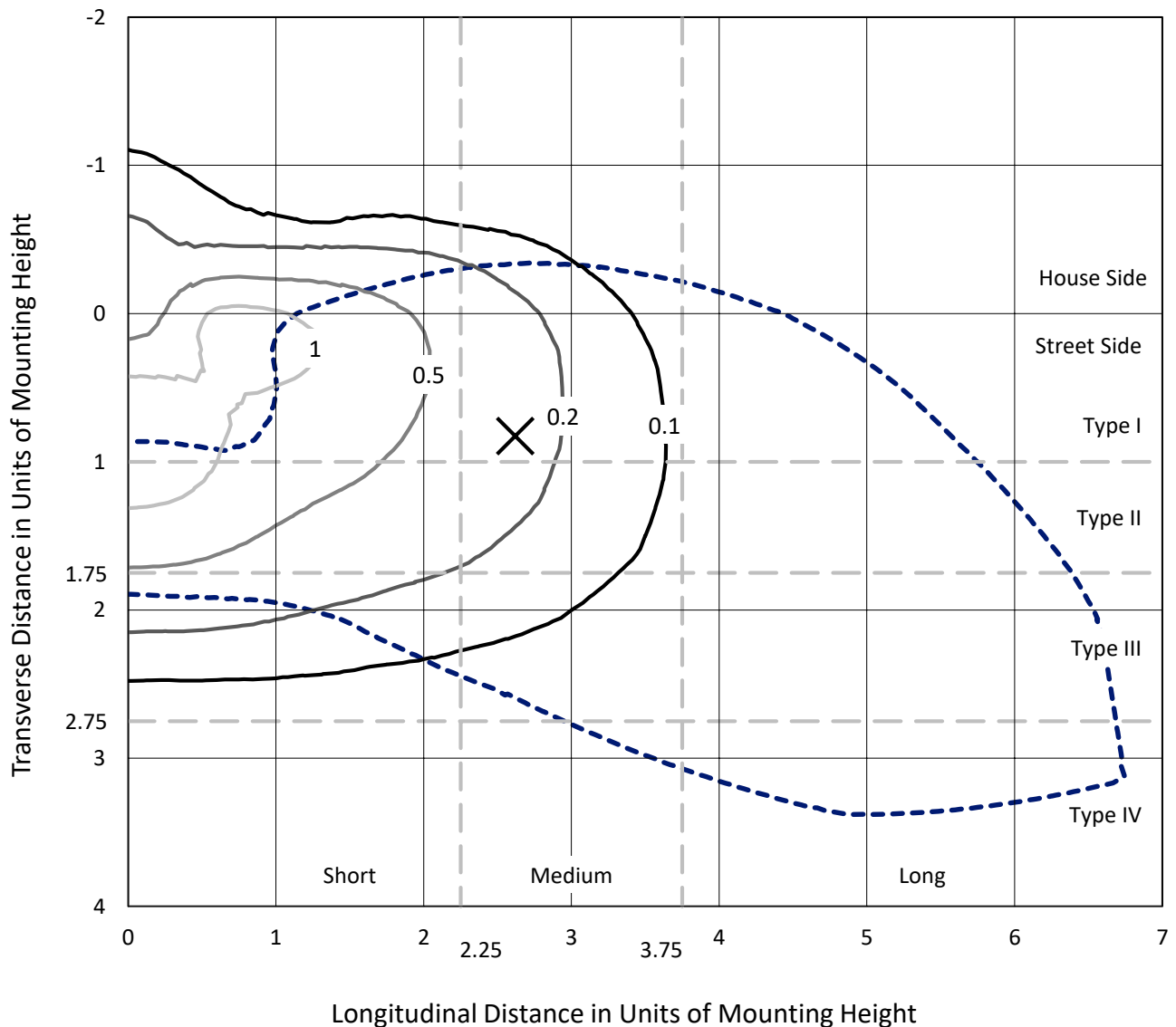
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

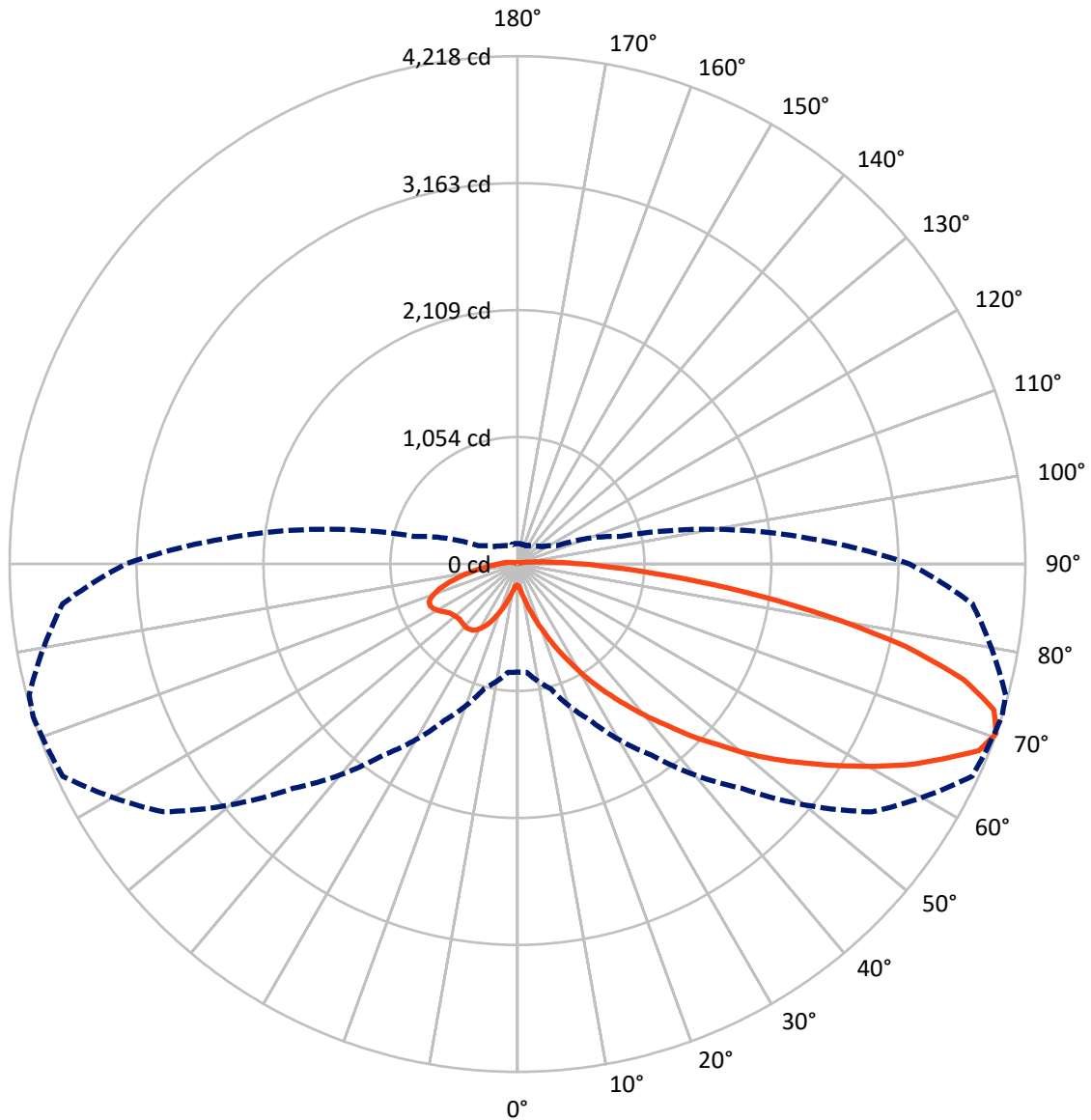
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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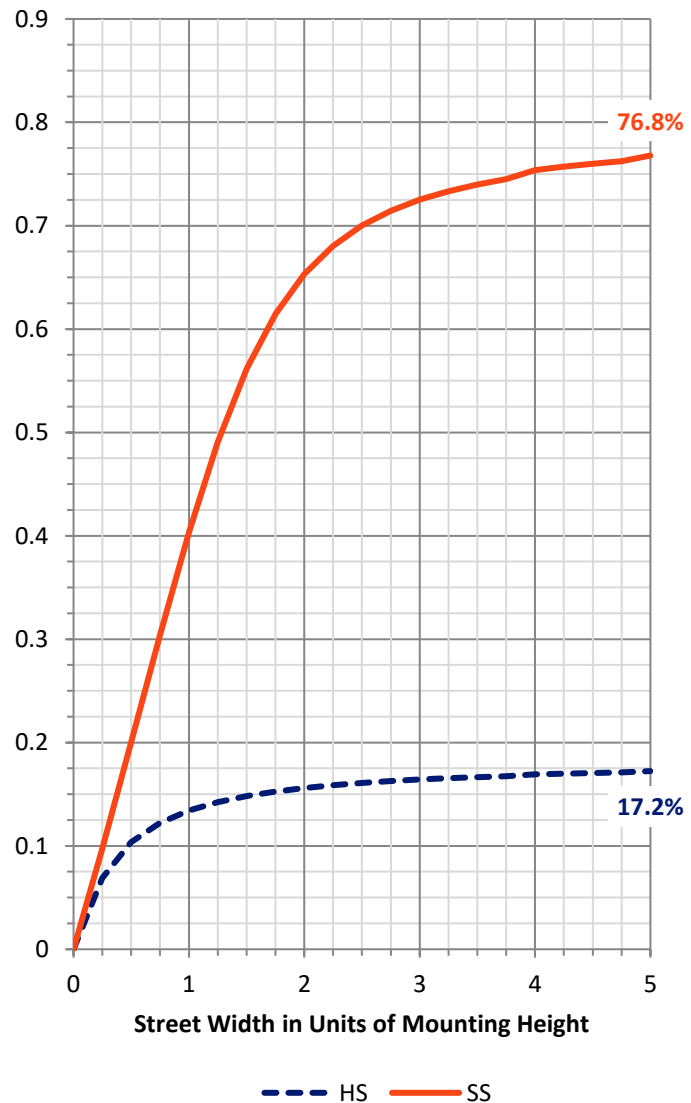
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.8	115.6	1389.4
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	5563.2	133.4	5696.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	6837.0	249.0	7086.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.3
10°-20°	95.9	1.4
20°-30°	267.7	3.8
30°-40°	555.0	7.8
40°-50°	958.6	13.5
50°-60°	1415.7	20.0
60°-70°	1670.9	23.6
70°-80°	1326.1	18.7
80°-90°	527.2	7.4
90°-100°	139.3	2.0
100°-110°	53.8	0.8
110°-120°	26.2	0.4
120°-130°	14.8	0.2
130°-140°	8.7	0.1
140°-150°	4.1	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6837.0	96.5
0°-180°	7086.0	100.0

Coefficient of Utilization



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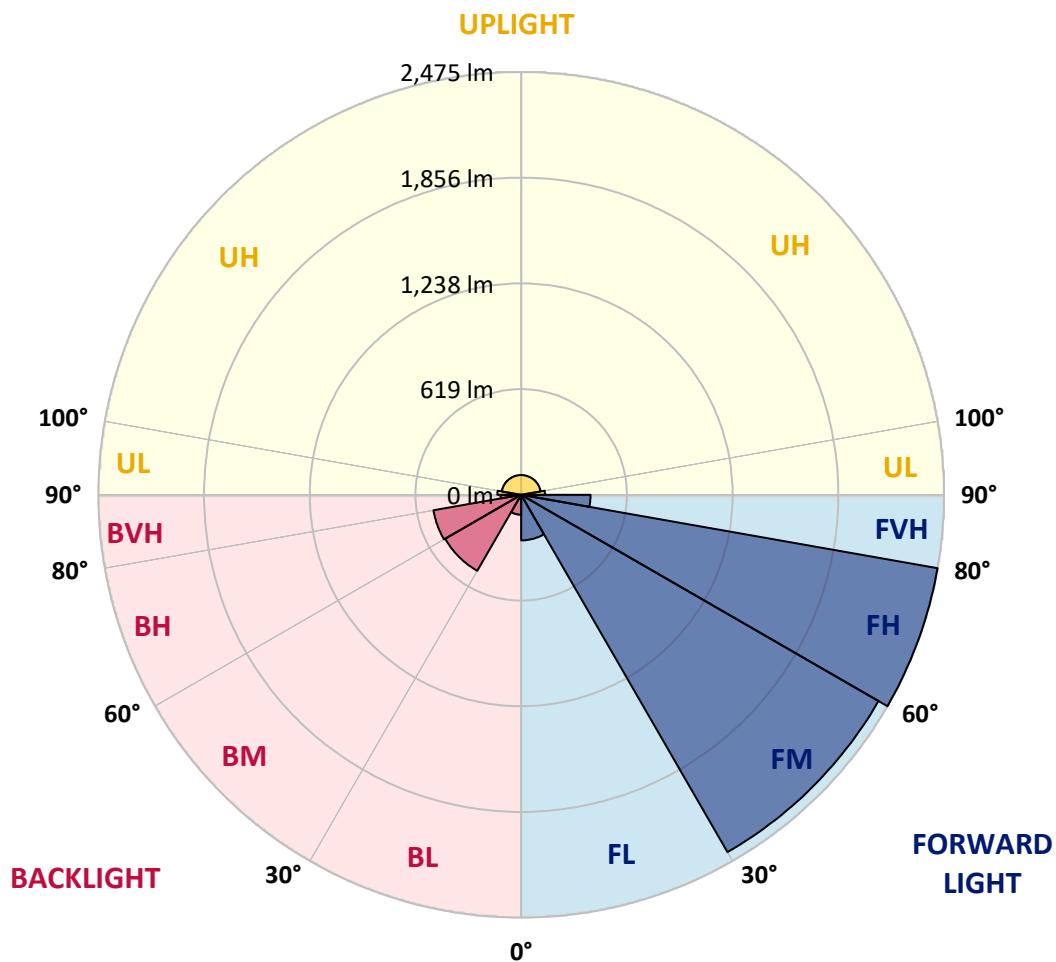
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.7	3.8			
FM	(30°-60°)	2415.2	34.1			
FH	(60°-80°)	2475.3	34.9			G2/5000
FVH	(80°-90°)	406.0	5.7			G3/500
BL	(0°-30°)	116.9	1.6	B1/500		
BM	(30°-60°)	514.0	7.3	B1/1000		
BH	(60°-80°)	521.7	7.4	B2/1000		G2/1000
BVH	(80°-90°)	121.2	1.7			G2/225
UL	(90°-100°)	139.3	2.0		U3/500	
UH	(100°-180°)	115.6	1.6		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°	72.5°	75°	85°
0°	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5
2.5°	199.1	200.0	199.1	199.1	197.5	196.6	191.6	188.3	185.8	184.1	181.6
5°	230.8	232.5	231.6	231.6	227.5	225.0	219.1	212.5	207.5	206.6	199.1
7.5°	273.3	272.4	269.1	268.3	266.6	262.5	254.1	244.1	239.1	237.5	226.6
10°	325.8	321.6	323.3	317.4	314.1	307.4	299.9	292.4	282.4	282.4	267.4
12.5°	378.3	387.4	384.9	376.6	369.9	359.1	349.9	347.4	335.8	337.4	323.3
15°	464.1	463.2	455.7	449.9	436.6	423.3	414.9	409.1	405.8	403.3	387.4
17.5°	554.9	549.9	544.1	526.6	507.4	495.7	488.2	482.4	486.6	485.7	466.6
20°	659.9	654.0	645.7	614.1	589.1	570.7	566.6	573.2	575.7	582.4	563.2
22.5°	776.5	774.0	754.0	718.2	675.7	651.5	647.4	663.2	682.4	685.7	672.4
25°	916.5	913.2	885.7	834.0	778.2	741.5	741.5	766.5	798.2	805.7	799.0
27.5°	1066.5	1058.1	1022.3	959.0	882.3	834.8	829.0	874.0	918.2	939.8	931.5
30°	1238.9	1237.3	1178.1	1100.6	1009.0	933.2	930.7	996.5	1059.0	1069.0	1070.6
32.5°	1416.4	1430.6	1362.2	1246.4	1135.6	1046.5	1042.3	1116.5	1203.1	1220.6	1220.6
35°	1621.4	1622.2	1538.0	1423.1	1271.4	1169.8	1158.1	1246.4	1343.1	1367.2	1380.6
37.5°	1828.0	1823.0	1747.2	1588.9	1418.9	1296.4	1285.6	1389.7	1499.7	1538.9	1536.4
40°	2031.3	2045.4	1949.6	1774.7	1569.7	1445.6	1418.9	1541.4	1668.0	1712.2	1694.7
42.5°	2250.4	2247.1	2161.3	1966.3	1738.0	1589.7	1573.9	1700.5	1841.3	1891.3	1875.5
45°	2442.0	2440.4	2347.1	2152.1	1898.8	1756.3	1734.7	1868.8	2045.4	2092.1	2059.6
47.5°	2618.7	2614.5	2517.9	2319.6	2039.6	1915.5	1917.1	2054.6	2242.1	2318.7	2268.7
50°	2755.3	2741.1	2680.3	2466.2	2192.1	2082.9	2114.6	2276.2	2476.2	2545.4	2491.2
52.5°	2828.6	2807.0	2759.5	2568.7	2336.2	2248.7	2309.6	2501.2	2698.7	2764.5	2705.3
55°	2793.6	2793.6	2767.0	2631.2	2438.7	2400.4	2522.9	2716.2	2921.9	2994.4	2941.9
57.5°	2652.8	2674.5	2687.0	2614.5	2509.5	2550.4	2744.5	2961.1	3158.6	3238.6	3169.4
60°	2406.2	2412.0	2503.7	2524.5	2537.9	2677.8	2974.4	3232.7	3410.2	3473.5	3395.2
62.5°	2057.1	2084.6	2196.3	2350.4	2496.2	2783.6	3216.1	3506.0	3666.0	3708.5	3594.3
65°	1668.9	1662.2	1868.8	2099.6	2381.2	2814.5	3411.0	3771.0	3895.1	3951.8	3753.5
67.5°	1265.6	1261.4	1452.2	1790.5	2186.3	2782.0	3569.3	3995.9	4132.6	4134.2	3853.4
70°	897.3	904.0	1073.1	1432.2	1934.6	2633.7	3588.5	4167.5	4217.5	4197.5	3792.6
72.5°	609.1	614.1	774.9	1097.3	1601.4	2393.7	3428.5	4149.2	4137.6	4081.7	3542.7
75°	392.4	425.8	544.9	834.0	1296.4	2047.9	3117.7	3886.8	3825.9	3733.5	3108.6
77.5°	270.8	287.4	379.1	607.4	1013.1	1691.3	2677.0	3359.4	3296.0	3182.7	2506.2
80°	183.3	190.8	260.8	454.1	797.3	1329.7	2181.3	2704.5	2595.3	2478.7	1879.6
82.5°	122.5	136.6	187.5	325.8	603.2	1026.5	1658.9	2065.4	1892.1	1791.3	1320.6
85°	81.7	89.1	133.3	236.6	436.6	747.4	1193.9	1403.1	1250.6	1161.4	844.0
87.5°	55.0	61.7	95.0	169.1	323.3	543.2	799.8	906.5	784.0	728.2	510.7
90°	36.7	40.8	70.0	121.6	228.3	379.1	539.9	559.9	480.7	446.6	312.4
92.5°	25.8	30.0	52.5	90.0	160.0	263.3	346.6	339.1	283.3	266.6	201.6
95°	20.0	23.3	40.8	69.2	116.6	180.8	225.8	206.6	179.1	173.3	139.1
97.5°	17.5	19.2	34.2	55.8	88.3	128.3	146.6	140.0	120.8	117.5	101.6
100°	15.8	17.5	30.0	48.3	70.8	94.1	105.0	97.5	87.5	85.0	75.0
102.5°	15.0	15.8	26.7	41.7	58.3	74.2	80.8	72.5	65.0	64.2	57.5
105°	14.2	15.0	23.3	35.8	49.2	60.8	63.3	56.7	50.8	48.3	43.3
107.5°	13.3	13.3	20.8	31.7	42.5	50.8	52.5	45.8	39.2	37.5	34.2
110°	12.5	13.3	19.2	28.3	37.5	44.2	44.2	37.5	30.8	29.2	27.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.5	12.5	17.5	25.0	33.3	38.3	37.5	30.8	25.0	22.5	22.5
115°	11.7	12.5	16.7	23.3	30.0	33.3	31.7	25.8	20.0	18.3	19.2
117.5°	11.7	12.5	15.0	20.8	26.7	29.2	27.5	21.7	16.7	15.8	17.5
120°	11.7	12.5	15.0	19.2	23.3	25.8	24.2	18.3	15.0	14.2	15.8
122.5°	12.5	12.5	14.2	17.5	21.7	23.3	20.8	15.8	13.3	12.5	14.2
125°	12.5	12.5	14.2	16.7	20.0	20.8	18.3	14.2	11.7	11.7	13.3
127.5°	12.5	12.5	14.2	15.8	18.3	18.3	16.7	12.5	10.8	10.8	12.5
130°	12.5	12.5	13.3	15.0	16.7	16.7	14.2	10.8	10.0	10.0	11.7
132.5°	13.3	13.3	13.3	14.2	15.0	15.0	12.5	10.0	9.2	9.2	11.7
135°	12.5	12.5	12.5	13.3	13.3	13.3	10.8	9.2	8.3	9.2	10.8
137.5°	11.7	11.7	12.5	12.5	12.5	11.7	9.2	7.5	7.5	8.3	10.0
140°	11.7	10.8	11.7	11.7	10.8	10.0	8.3	6.7	6.7	7.5	8.3
142.5°	10.0	10.0	10.0	10.0	9.2	8.3	6.7	5.8	6.7	6.7	7.5
145°	9.2	9.2	9.2	8.3	8.3	6.7	5.0	5.0	5.0	5.8	6.7
147.5°	7.5	7.5	7.5	7.5	6.7	5.8	3.3	4.2	4.2	4.2	5.0
150°	5.8	5.8	6.7	5.8	5.0	4.2	2.5	3.3	4.2	4.2	4.2
152.5°	5.0	5.0	5.0	5.0	4.2	2.5	2.5	3.3	3.3	3.3	4.2
155°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	2.5	3.3	3.3	3.3
157.5°	1.7	1.7	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
160°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
162.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
165°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
167.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
170°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
172.5°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
175°	0.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
177.5°	0.0	0.8	1.7	1.7	2.5	1.7	1.7	1.7	1.7	1.7	2.5
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5	177.5
2.5°	180.0	178.3	175.0	171.6	169.1	166.6	165.0	162.5	160.8	160.8	160.8
5°	194.1	192.5	184.1	175.8	168.3	161.6	156.6	150.8	148.3	145.8	146.6
7.5°	222.5	216.6	203.3	189.1	176.6	163.3	153.3	145.0	140.0	136.6	136.6
10°	260.8	251.6	231.6	210.0	189.1	170.0	155.0	143.3	135.0	131.6	131.6
12.5°	309.9	300.8	269.9	237.5	205.8	178.3	159.1	144.1	135.0	130.8	130.8
15°	375.8	359.9	318.3	271.6	225.8	188.3	163.3	150.8	145.0	142.5	142.5
17.5°	454.1	430.8	376.6	306.6	245.8	198.3	174.1	162.5	157.5	156.6	156.6
20°	545.7	516.6	434.9	341.6	261.6	210.8	183.3	173.3	171.6	172.5	172.5
22.5°	649.9	607.4	494.9	373.3	276.6	218.3	190.0	181.6	183.3	187.5	186.6
25°	759.9	714.9	560.7	401.6	286.6	221.6	194.1	189.1	195.8	200.8	200.8
27.5°	888.2	818.2	620.7	421.6	289.1	219.1	195.0	192.5	201.6	209.1	210.8
30°	1019.0	929.0	672.4	434.1	284.1	213.3	191.6	193.3	204.1	214.1	215.0
32.5°	1151.4	1034.0	714.9	436.6	275.8	205.8	188.3	191.6	203.3	214.1	215.8
35°	1283.1	1132.3	743.2	427.4	262.5	198.3	182.5	188.3	200.0	212.5	214.1
37.5°	1412.2	1225.6	760.7	412.4	249.1	191.6	178.3	184.1	195.8	210.0	211.6
40°	1553.0	1325.6	770.7	394.9	235.8	185.8	175.8	181.6	193.3	206.6	209.1
42.5°	1682.2	1417.2	771.5	373.3	225.8	183.3	174.1	179.1	190.0	204.1	206.6
45°	1850.5	1511.4	771.5	354.9	219.1	182.5	174.1	178.3	188.3	203.3	206.6
47.5°	2009.6	1619.7	773.2	339.1	215.8	184.1	175.8	177.5	185.8	203.3	206.6
50°	2194.6	1723.8	786.5	327.4	215.0	187.5	178.3	176.6	183.3	201.6	205.8
52.5°	2378.7	1861.3	803.2	319.1	216.6	190.8	180.0	176.6	180.8	197.5	202.5
55°	2580.3	1992.1	821.5	319.9	220.0	194.1	182.5	175.8	177.5	190.8	195.8
57.5°	2782.0	2145.4	861.5	324.9	224.1	198.3	185.0	175.8	173.3	183.3	187.5
60°	2958.6	2280.4	903.2	335.8	230.0	202.5	186.6	175.0	170.0	175.8	179.1
62.5°	3145.2	2427.9	936.5	344.9	236.6	205.8	186.6	174.1	167.5	171.6	173.3
65°	3266.9	2515.4	954.0	356.6	243.3	208.3	187.5	172.5	166.6	169.1	170.8
67.5°	3329.4	2529.5	942.3	360.8	249.1	210.0	186.6	170.8	167.5	169.1	170.8
70°	3255.2	2435.4	886.5	358.3	250.8	210.0	185.0	169.1	167.5	170.0	170.8
72.5°	2986.9	2208.8	804.0	345.8	248.3	206.6	182.5	166.6	166.6	170.8	170.8
75°	2572.0	1883.0	695.7	326.6	241.6	201.6	177.5	162.5	164.1	170.0	170.0
77.5°	2059.6	1489.7	573.2	299.1	229.1	193.3	170.8	156.6	160.8	167.5	166.6
80°	1533.0	1109.8	461.6	268.3	212.5	181.6	161.6	150.0	155.8	161.6	160.0
82.5°	1021.5	779.0	364.9	235.8	195.0	170.0	151.6	140.8	148.3	154.1	151.6
85°	663.2	519.1	282.4	203.3	176.6	156.6	139.1	130.8	138.3	143.3	140.8
87.5°	413.3	348.3	215.0	173.3	157.5	141.6	128.3	119.1	126.6	131.6	128.3
90°	273.3	233.3	169.1	150.0	140.0	127.5	115.0	108.3	115.8	117.5	115.0
92.5°	180.0	165.0	137.5	128.3	123.3	113.3	104.1	98.3	104.1	105.0	103.3
95°	129.1	125.0	113.3	111.6	109.1	100.8	93.3	88.3	91.6	92.5	89.1
97.5°	98.3	97.5	96.6	96.6	95.0	89.1	82.5	78.3	80.0	79.2	76.7
100°	76.7	78.3	80.8	82.5	81.7	77.5	72.5	69.2	70.0	66.7	64.2
102.5°	60.0	63.3	67.5	70.0	70.0	66.7	64.2	60.8	58.3	54.2	53.3
105°	47.5	50.0	55.8	60.0	60.0	58.3	55.8	51.7	49.2	44.2	44.2
107.5°	37.5	40.8	47.5	50.8	51.7	50.0	48.3	45.0	40.8	35.8	35.8
110°	30.0	32.5	40.0	43.3	44.2	43.3	41.7	37.5	33.3	30.0	30.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.0	27.5	33.3	36.7	38.3	37.5	35.8	31.7	27.5	25.0	25.0
115°	21.7	24.2	28.3	31.7	32.5	32.5	30.0	27.5	22.5	21.7	21.7
117.5°	19.2	20.8	25.0	27.5	29.2	28.3	25.8	23.3	20.0	19.2	19.2
120°	17.5	19.2	22.5	25.0	25.0	24.2	22.5	20.0	17.5	16.7	17.5
122.5°	15.8	17.5	20.0	21.7	21.7	21.7	20.0	17.5	15.0	15.0	15.8
125°	15.0	15.8	18.3	19.2	20.0	19.2	17.5	15.0	13.3	14.2	14.2
127.5°	14.2	15.0	16.7	17.5	17.5	16.7	15.0	13.3	11.7	12.5	13.3
130°	13.3	14.2	15.0	15.8	15.8	15.0	13.3	11.7	10.8	11.7	11.7
132.5°	11.7	12.5	13.3	14.2	13.3	13.3	11.7	10.0	10.0	10.8	10.8
135°	10.8	11.7	11.7	12.5	11.7	11.7	10.0	9.2	9.2	10.0	10.0
137.5°	10.0	10.8	10.8	10.8	10.0	10.0	9.2	8.3	8.3	8.3	9.2
140°	9.2	9.2	9.2	9.2	8.3	8.3	7.5	6.7	7.5	7.5	7.5
142.5°	8.3	8.3	8.3	7.5	7.5	6.7	5.8	5.8	6.7	6.7	6.7
145°	6.7	6.7	6.7	5.8	5.8	5.0	5.0	5.0	5.8	5.8	5.8
147.5°	5.8	5.8	5.8	5.0	4.2	4.2	4.2	4.2	5.0	5.0	5.0
150°	5.0	5.0	5.0	4.2	3.3	3.3	2.5	3.3	4.2	4.2	4.2
152.5°	4.2	4.2	4.2	4.2	3.3	1.7	2.5	3.3	3.3	3.3	3.3
155°	3.3	3.3	4.2	3.3	2.5	0.8	1.7	2.5	2.5	2.5	2.5
157.5°	3.3	3.3	3.3	2.5	1.7	0.8	1.7	1.7	2.5	1.7	2.5
160°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	1.7	1.7	1.7
162.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	1.7	0.8	0.8	0.8
165°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)