

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: P266117

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-21)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5188.1 lumens
Efficiency: N/A
Efficacy: 81.1 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: B1 - 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

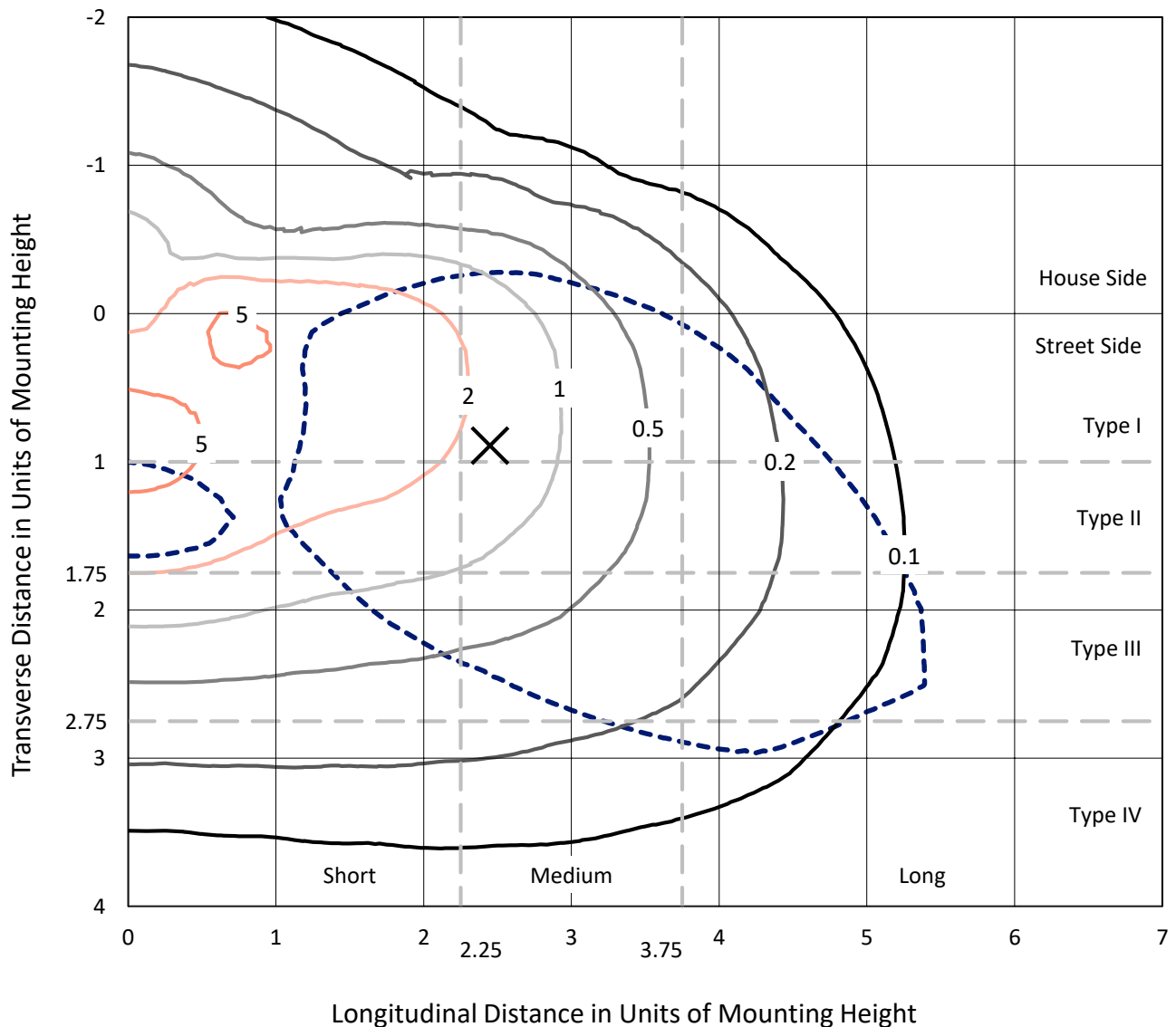


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

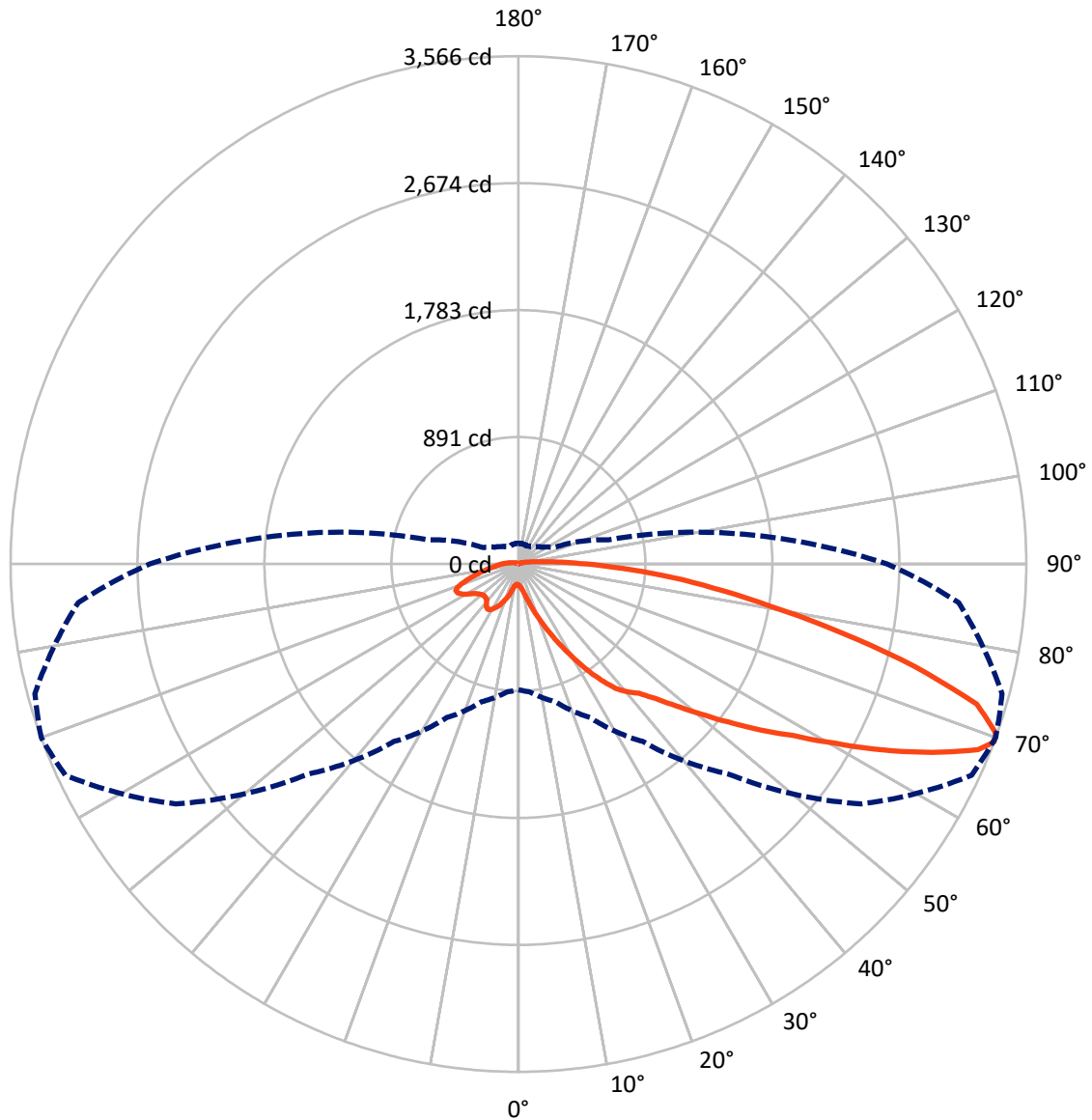


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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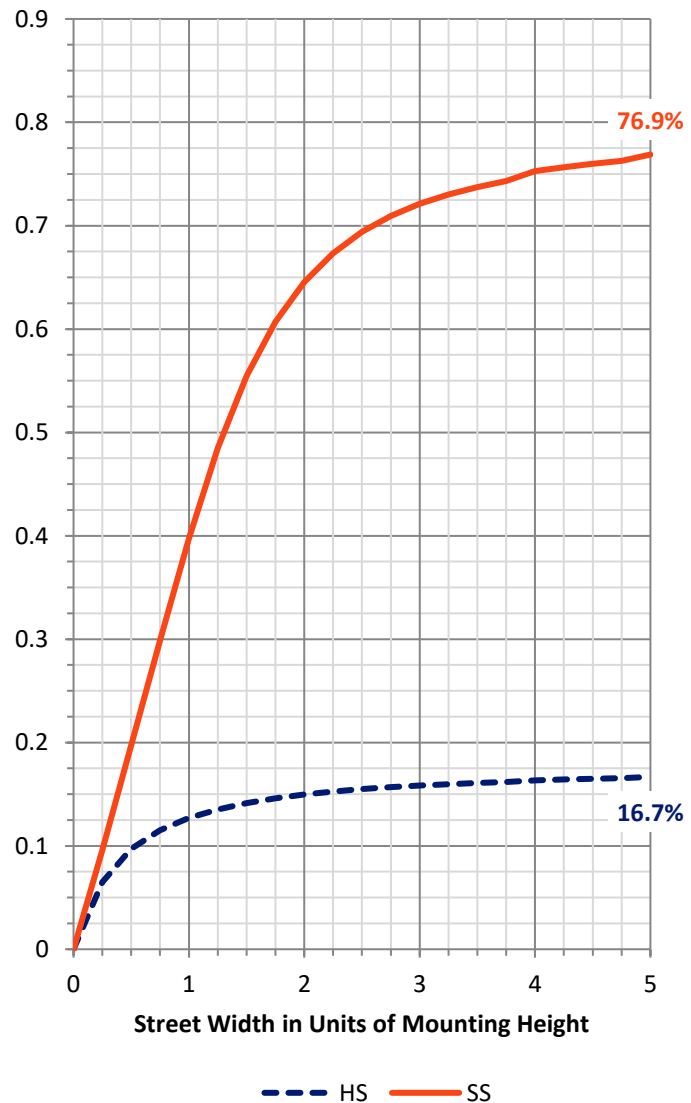
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	902.4	71.3	973.6
	% Fixture	17.4	1.4	18.8
Street Side	Lumens	4097.1	117.4	4214.4
	% Fixture	79.0	2.3	81.2
Total	Lumens	4999.5	188.6	5188.1
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.3
10°-20°	66.6	1.3
20°-30°	185.3	3.6
30°-40°	391.5	7.5
40°-50°	656.9	12.7
50°-60°	990.4	19.1
60°-70°	1288.7	24.8
70°-80°	1007.7	19.4
80°-90°	397.0	7.7
90°-100°	117.7	2.3
100°-110°	38.6	0.7
110°-120°	16.6	0.3
120°-130°	8.9	0.2
130°-140°	4.8	0.1
140°-150°	1.7	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4999.5	96.4
0°-180°	5188.1	100.0

Coefficient of Utilization



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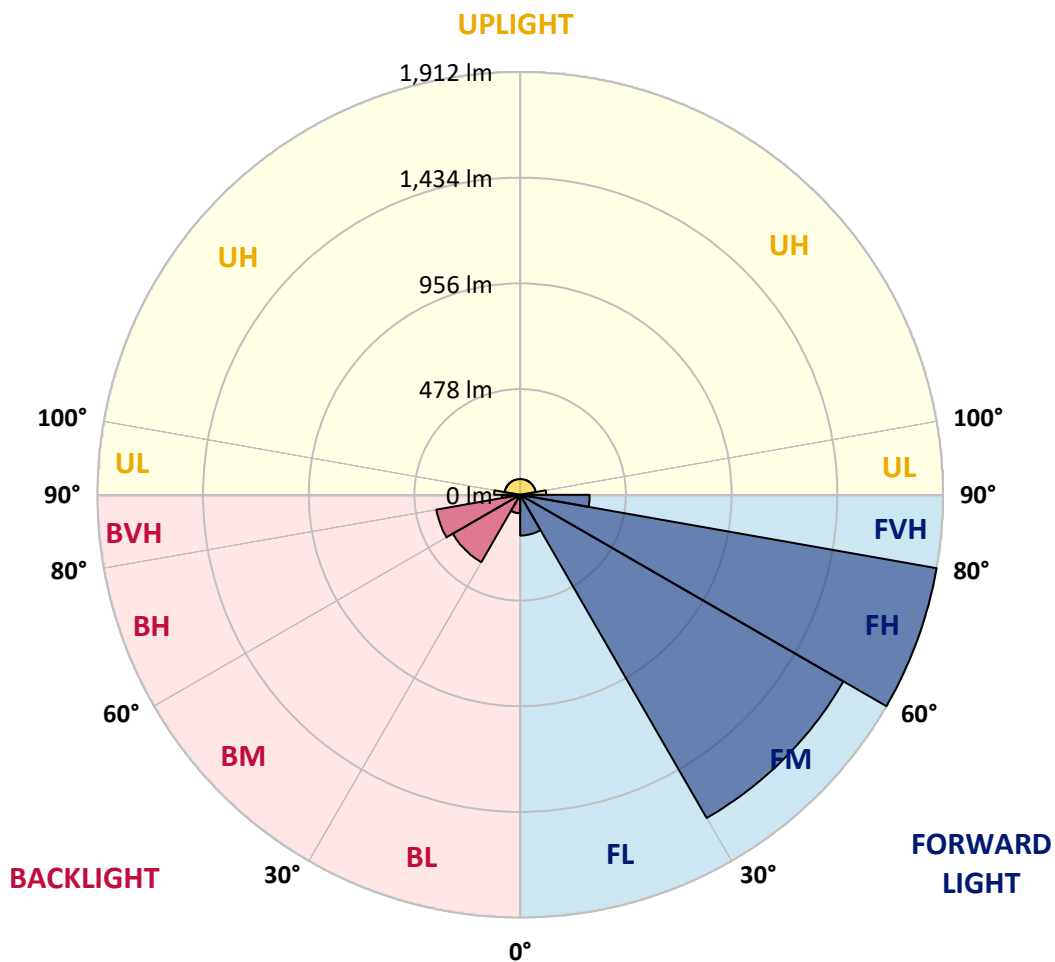
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.9	3.5			
FM (30°-60°)	1687.3	32.5			
FH (60°-80°)	1911.8	36.9			G2/5000
FVH (80°-90°)	314.0	6.1			G3/500
BL (0°-30°)	83.4	1.6	B0/110		
BM (30°-60°)	351.5	6.8	B1/1000		
BH (60°-80°)	384.6	7.4	B1/500		G1/500
BVH (80°-90°)	82.9	1.6			G1/100
UL (90°-100°)	117.7	2.3		U3/500	
UH (100°-180°)	71.3	1.4		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
2.5°	165.6	165.6	166.1	165.6	164.8	162.4	159.7	156.5	155.1	153.9	150.6
5°	184.4	184.4	183.8	182.4	181.2	176.5	172.7	167.5	164.8	162.4	156.5
7.5°	207.1	206.4	205.8	203.1	200.6	194.8	189.0	182.4	178.6	175.3	167.5
10°	234.4	233.6	233.1	228.4	224.7	218.2	212.3	203.8	200.6	196.1	185.1
12.5°	269.4	271.4	267.4	260.4	255.2	246.0	242.2	236.3	232.4	230.4	218.7
15°	313.6	314.9	309.6	298.0	290.8	281.8	283.1	283.8	281.8	281.8	267.4
17.5°	366.8	364.3	360.3	343.4	332.5	328.5	334.3	340.2	341.4	343.4	328.5
20°	433.7	435.0	423.3	398.6	381.2	382.4	389.5	400.6	405.8	410.3	394.7
22.5°	525.1	514.9	501.3	466.1	442.1	436.9	448.0	469.4	477.8	489.5	474.6
25°	623.2	612.9	588.8	548.5	512.3	496.7	514.9	551.9	566.1	585.6	572.6
27.5°	727.7	719.4	683.0	640.1	590.7	563.5	587.5	637.5	660.3	685.0	670.7
30°	840.0	830.4	787.5	736.9	674.5	640.1	658.9	731.0	768.7	802.5	796.0
32.5°	973.9	960.8	908.2	844.0	762.2	721.2	741.5	839.5	886.8	930.4	921.2
35°	1123.2	1116.7	1046.5	964.8	864.1	806.4	834.3	940.7	1000.4	1046.5	1034.2
37.5°	1294.5	1286.7	1207.0	1098.4	970.6	897.9	918.6	1038.1	1107.6	1156.3	1129.0
40°	1454.3	1446.5	1367.3	1240.0	1081.6	994.0	1011.5	1118.0	1180.9	1220.5	1170.5
42.5°	1625.0	1610.1	1521.8	1375.0	1199.7	1095.9	1092.0	1178.9	1239.4	1290.7	1238.8
45°	1775.6	1771.7	1677.0	1508.9	1318.6	1195.9	1170.5	1267.2	1346.5	1415.3	1362.1
47.5°	1870.5	1865.2	1795.7	1628.3	1422.5	1293.3	1275.1	1393.2	1486.1	1560.7	1499.0
50°	1921.0	1919.0	1869.7	1719.1	1526.3	1400.4	1413.4	1547.2	1651.7	1745.0	1678.9
52.5°	1943.2	1943.2	1904.9	1784.0	1618.6	1523.0	1571.8	1724.9	1842.6	1943.2	1854.8
55°	1940.6	1941.1	1901.6	1799.7	1691.9	1651.7	1752.2	1935.4	2054.2	2162.6	2059.4
57.5°	1858.8	1864.0	1855.4	1789.2	1731.6	1782.1	1960.0	2161.3	2272.9	2375.5	2260.0
60°	1662.0	1675.7	1705.5	1718.5	1740.6	1906.2	2176.2	2416.4	2554.7	2680.1	2585.2
62.5°	1471.9	1483.6	1525.1	1581.6	1715.9	2000.3	2416.4	2766.3	2876.7	2996.8	2820.9
65°	1240.6	1258.9	1340.0	1447.1	1656.1	2066.6	2681.4	3094.2	3189.1	3246.7	3028.6
67.5°	1008.3	1025.1	1122.5	1293.3	1578.2	2104.8	2876.7	3386.4	3479.9	3485.8	3161.8
69°	882.2	901.1	1001.2	1189.4	1520.6	2084.0	2936.5	3509.7	3565.6	3514.9	3101.9
70°	814.9	814.9	925.9	1118.0	1469.8	2045.7	2946.3	3518.8	3555.1	3480.6	3039.1
72.5°	590.7	597.4	713.6	937.6	1308.2	1891.2	2783.2	3344.2	3365.0	3164.3	2618.3
75°	405.1	411.7	514.2	728.4	1099.2	1645.8	2455.3	2892.4	2874.1	2653.5	2117.1
77.5°	280.5	285.0	362.9	531.1	869.3	1362.1	2046.3	2364.5	2319.8	2113.3	1584.2
80°	196.6	201.3	261.0	394.7	659.6	1071.9	1622.3	1852.2	1787.3	1603.6	1163.5
82.5°	138.2	142.2	191.5	298.6	499.8	834.3	1279.6	1440.6	1376.4	1213.4	831.7
85°	98.6	101.2	139.0	227.2	383.0	621.9	971.2	1079.7	1014.0	863.5	552.5
87.5°	71.4	74.0	102.5	171.3	296.7	483.6	718.0	764.2	672.7	546.7	349.4
90°	53.9	55.9	77.3	128.5	231.1	355.1	514.2	498.0	431.0	344.7	233.1
92.5°	40.2	41.5	59.1	97.3	177.2	275.9	357.0	324.6	268.9	218.2	159.1
95°	29.9	31.3	44.7	73.3	131.2	198.0	233.1	200.6	167.5	138.2	108.4
97.5°	22.7	24.1	35.0	55.9	94.9	139.5	150.6	127.9	111.0	94.9	77.3
100°	18.1	18.9	27.3	42.8	68.2	95.4	103.8	88.9	78.0	69.4	58.4
102.5°	14.4	15.6	22.1	33.7	51.9	70.7	75.3	64.9	57.9	51.9	46.2
105°	12.3	12.9	18.1	27.3	41.0	53.2	57.1	48.7	42.8	38.9	35.8
107.5°	11.0	11.0	15.6	22.7	33.1	42.2	44.1	36.3	31.8	29.3	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
110°	9.7	9.7	13.7	19.5	27.8	35.0	34.5	27.3	24.1	21.4	21.4
112.5°	9.2	9.2	11.7	17.5	24.1	29.3	27.3	21.4	18.9	16.2	17.5
115°	8.4	8.4	11.0	15.6	21.4	24.7	22.7	16.9	14.4	12.9	14.4
117.5°	8.4	8.4	10.4	14.4	19.5	21.4	19.5	14.4	11.7	11.0	12.3
120°	8.4	8.4	10.4	13.7	17.5	18.9	16.2	11.7	10.4	9.2	11.0
122.5°	8.4	8.4	9.7	12.9	16.2	16.9	14.4	10.4	8.4	8.4	9.7
125°	9.2	9.2	10.4	12.9	14.9	14.9	12.3	9.2	7.7	7.7	9.7
127.5°	9.7	9.7	10.4	12.3	13.7	12.9	11.0	8.4	7.7	7.7	9.2
130°	10.4	10.4	11.0	11.7	12.3	11.0	9.2	7.7	7.1	7.7	9.2
132.5°	10.4	10.4	10.4	11.0	11.0	9.7	7.7	6.5	6.5	7.1	8.4
135°	9.7	9.7	9.7	9.7	9.7	7.7	6.5	5.8	5.8	6.5	7.7
137.5°	8.4	8.4	7.7	7.7	7.7	6.5	5.2	4.5	4.5	5.2	6.5
140°	6.5	6.5	6.5	6.5	6.5	5.2	4.0	3.2	4.0	4.5	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	4.0	2.5	3.2	4.0	4.0	4.5
145°	4.5	4.0	4.0	4.0	4.0	2.5	1.9	2.5	3.2	4.0	4.0
147.5°	3.2	3.2	3.2	3.2	2.5	1.3	1.3	2.5	2.5	3.2	4.0
150°	1.9	1.9	1.9	1.9	1.3	0.7	1.3	1.9	2.5	2.5	3.2
152.5°	0.7	0.7	1.3	1.3	0.7	0.0	0.7	1.3	1.9	1.9	2.5
155°	0.0	0.0	0.7	1.3	0.0	0.0	0.7	1.3	1.3	1.9	1.9
157.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.3	1.3	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0	148.0
2.5°	148.7	147.4	144.7	142.8	140.2	138.2	138.2	136.4	136.4	135.6	135.0
5°	153.9	152.0	145.4	140.9	136.4	132.4	129.8	127.9	125.9	124.7	124.0
7.5°	163.6	159.1	149.9	142.2	134.3	128.5	123.3	120.2	117.5	116.9	115.5
10°	179.8	174.6	160.3	147.4	135.6	125.9	119.5	115.0	112.3	111.7	111.0
12.5°	211.6	203.8	183.1	161.7	139.5	124.7	116.2	115.5	116.2	117.5	118.1
15°	257.8	249.3	217.5	183.8	149.9	126.7	122.1	123.3	125.4	127.2	127.2
17.5°	314.2	299.9	257.1	208.3	163.0	138.2	127.9	129.1	133.0	136.4	136.4
20°	377.2	354.6	294.0	226.6	175.3	146.1	133.8	134.3	140.2	144.1	144.7
22.5°	453.9	419.4	333.0	241.6	182.4	149.3	137.6	138.2	147.4	153.9	154.5
25°	540.2	495.3	377.8	257.8	185.1	148.0	139.5	144.1	158.5	169.4	170.0
27.5°	626.5	564.9	412.2	268.9	183.1	144.1	140.9	150.6	168.2	178.6	179.8
30°	738.1	661.0	450.6	273.4	176.5	140.2	140.9	153.3	168.2	178.6	179.2
32.5°	849.2	744.1	481.8	276.6	169.4	137.0	139.0	149.9	164.3	176.0	176.5
35°	943.3	810.2	495.3	270.1	163.0	135.0	135.6	146.8	163.0	177.2	177.9
37.5°	1012.7	853.1	494.1	254.5	155.1	133.0	133.8	146.1	164.3	179.8	181.7
40°	1036.1	855.6	469.4	231.8	149.9	132.4	134.3	146.1	163.0	176.0	177.9
42.5°	1090.7	878.5	452.4	211.6	146.1	133.8	136.4	144.1	156.5	168.8	171.3
45°	1188.1	940.0	457.1	201.8	145.4	137.0	137.6	142.2	150.6	162.4	165.6
47.5°	1293.3	1003.0	459.0	196.6	148.7	140.2	139.5	140.2	144.7	154.5	157.7
50°	1438.6	1097.9	469.4	196.1	153.9	144.1	141.6	139.0	142.2	153.9	157.2
52.5°	1588.7	1198.5	486.3	200.0	161.7	149.3	144.1	139.5	142.2	152.5	157.2
55°	1756.1	1323.7	511.0	207.8	169.4	155.1	147.4	141.6	141.6	150.6	154.5
57.5°	1941.1	1453.0	543.5	218.2	177.9	161.7	149.9	142.2	140.9	146.8	149.9
60°	2228.8	1669.8	600.5	233.1	186.3	166.8	152.0	142.8	141.6	146.1	148.0
62.5°	2419.7	1820.4	649.8	248.0	194.2	171.3	152.5	142.8	142.8	145.4	146.8
65°	2600.9	1952.2	683.0	261.6	201.3	174.0	152.5	142.2	142.8	144.7	144.7
67.5°	2661.8	1985.3	685.0	271.4	205.8	174.0	151.3	141.6	143.5	145.4	144.7
69°	2588.5	1916.5	655.8	272.0	205.8	172.0	149.9	140.2	143.5	145.4	144.7
70°	2518.9	1857.4	631.1	269.4	203.8	170.0	148.0	139.5	142.8	144.7	144.1
72.5°	2127.5	1535.5	534.3	256.5	196.6	163.6	142.2	135.0	139.5	142.2	140.9
75°	1695.1	1210.1	435.7	233.6	184.4	153.3	134.3	127.9	133.0	135.6	133.8
77.5°	1263.3	895.9	348.6	211.0	170.8	144.1	125.9	118.8	122.7	124.0	122.1
80°	916.7	650.6	279.8	190.3	158.5	135.0	117.5	109.8	112.9	112.9	110.4
82.5°	647.9	462.3	226.0	169.4	145.4	127.2	110.4	102.0	106.4	105.8	103.2
85°	434.3	320.8	185.1	146.8	130.6	116.9	102.5	96.1	101.2	100.6	98.1
87.5°	287.5	229.2	155.1	127.2	114.3	103.8	93.6	88.9	94.1	92.9	89.7
90°	203.8	173.4	131.2	109.8	98.1	90.2	83.2	79.9	83.2	80.5	77.3
92.5°	146.8	129.8	107.7	92.2	81.7	76.6	72.0	69.4	71.4	67.6	64.9
95°	103.8	95.4	86.3	75.9	68.2	63.6	61.1	59.7	61.1	55.2	53.2
97.5°	75.9	72.0	68.2	63.1	56.5	53.9	51.9	50.7	50.7	44.7	43.5
100°	59.1	57.1	55.9	52.6	47.4	45.5	44.1	43.5	42.2	37.0	35.8
102.5°	47.4	46.7	46.7	43.5	39.6	38.3	37.0	36.3	35.0	30.5	29.3
105°	37.6	37.6	38.3	35.8	33.1	31.8	31.3	29.9	28.6	25.3	25.3
107.5°	29.9	29.9	31.3	29.3	27.8	26.6	26.1	24.7	23.4	21.4	21.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.4	24.1	26.1	24.7	23.4	22.7	22.1	20.1	18.9	18.1	18.1
112.5°	18.9	20.1	21.4	20.8	19.5	19.5	18.1	16.9	15.6	15.6	15.6
115°	16.2	16.9	18.1	17.5	16.9	16.2	15.6	13.7	12.9	12.9	13.7
117.5°	13.7	14.4	15.6	14.9	14.4	14.4	12.9	11.7	10.4	11.7	11.7
120°	11.7	12.3	12.9	12.9	12.3	12.3	11.0	9.7	8.4	9.7	9.7
122.5°	11.0	11.0	11.7	11.0	11.0	10.4	9.2	7.7	7.1	8.4	8.4
125°	10.4	10.4	10.4	9.7	9.7	9.2	7.7	6.5	5.8	7.1	7.1
127.5°	9.7	9.7	9.7	9.2	7.7	7.1	6.5	5.2	4.5	5.8	5.8
130°	9.7	9.7	8.4	7.7	7.1	5.8	5.2	4.0	4.0	5.2	5.2
132.5°	9.2	8.4	7.7	6.5	5.8	4.5	4.0	3.2	3.2	4.0	4.5
135°	7.7	7.7	6.5	5.2	4.5	3.2	3.2	1.9	2.5	3.2	3.2
137.5°	6.5	6.5	5.8	4.5	3.2	2.5	1.9	1.3	1.9	2.5	2.5
140°	5.8	5.2	4.5	4.0	2.5	1.3	1.3	0.7	1.3	1.3	1.9
142.5°	5.2	5.2	4.5	3.2	1.9	1.3	0.0	0.7	0.7	0.7	1.3
145°	4.5	4.5	4.0	2.5	1.9	0.7	0.0	0.7	0.7	0.7	0.0
147.5°	4.0	4.0	3.2	2.5	1.3	0.0	0.0	0.0	0.7	0.0	0.0
150°	3.2	3.2	2.5	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.7	0.7	0.7	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)