

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: P266136

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
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-T4W-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5470.8 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

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

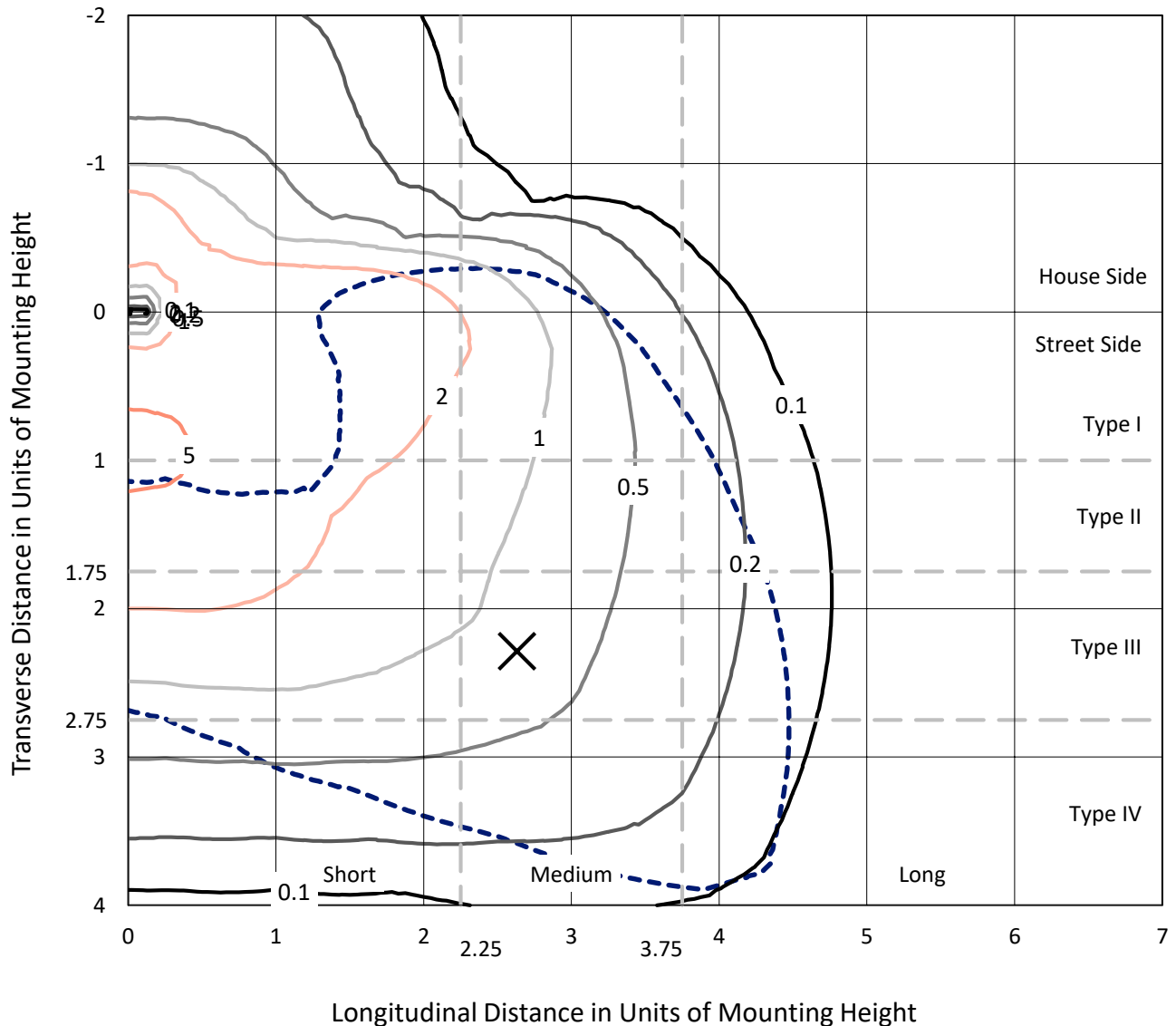


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### Iso-Footcandle Lines of Horizontal Illumination

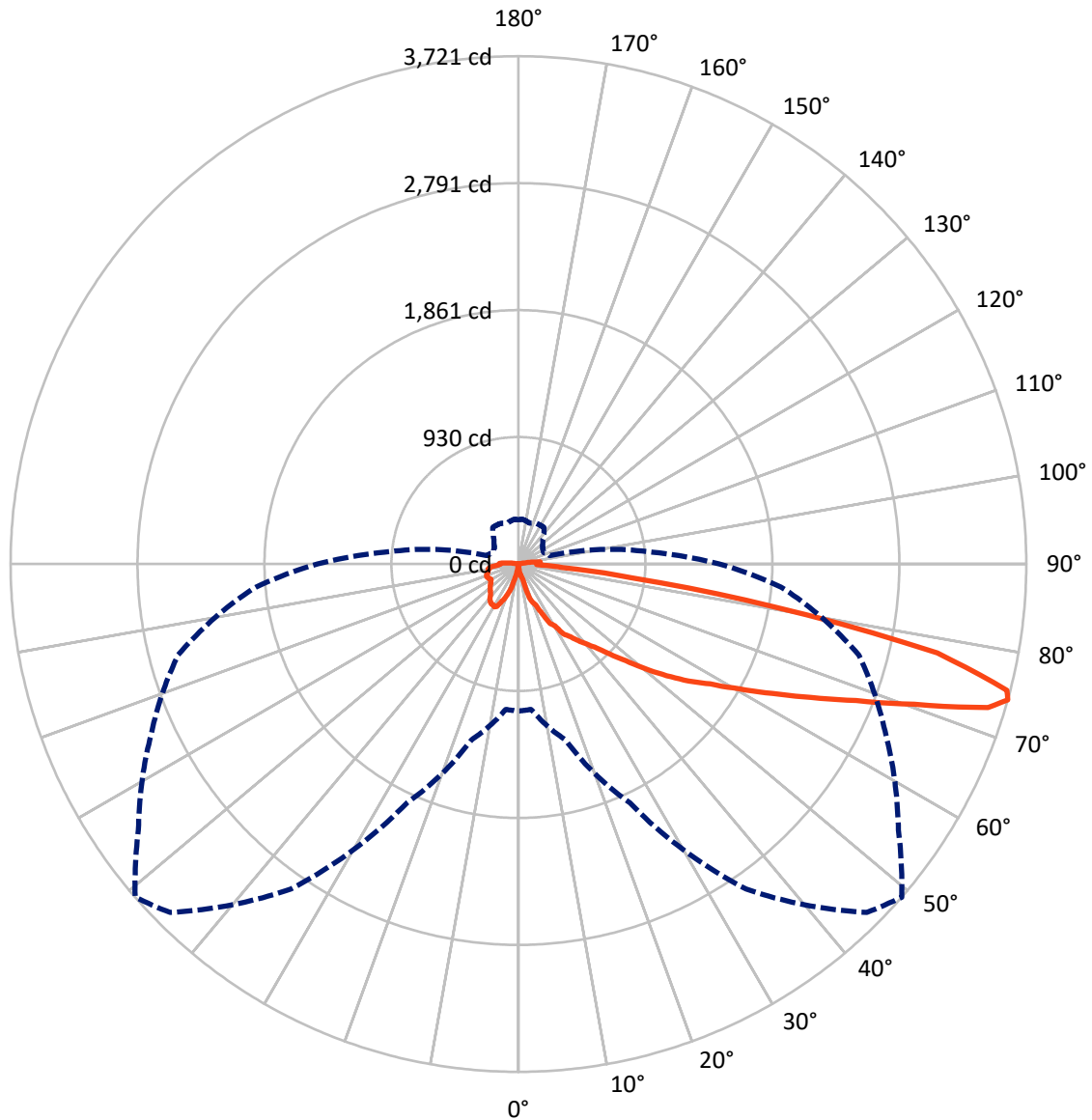
× Max cd  
 - - - 1/2 Max cd



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 49-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



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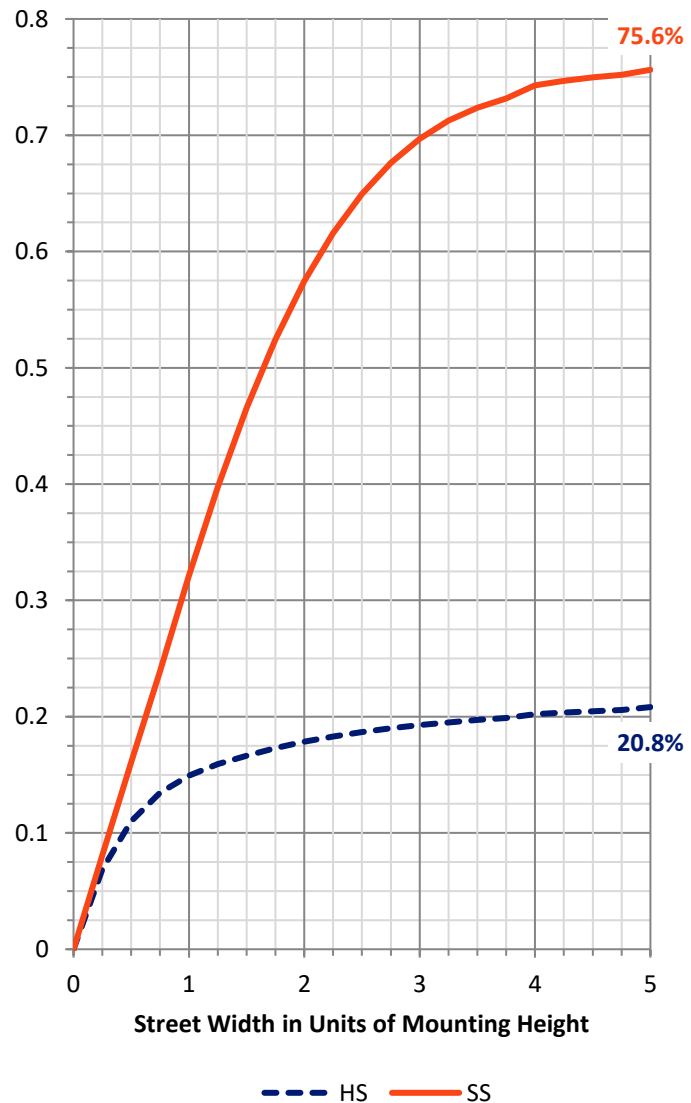
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1206.5	51.8	1258.3
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	4169.0	43.4	4212.4
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	5375.5	95.3	5470.8
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	49.2	0.9
20°-30°	186.7	3.4
30°-40°	396.8	7.3
40°-50°	652.3	11.9
50°-60°	1052.0	19.2
60°-70°	1520.0	27.8
70°-80°	1247.9	22.8
80°-90°	267.6	4.9
90°-100°	86.2	1.6
100°-110°	6.8	0.1
110°-120°	1.0	0.0
120°-130°	0.7	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5375.5	98.3
0°-180°	5470.8	100.0

**Coefficient of Utilization**



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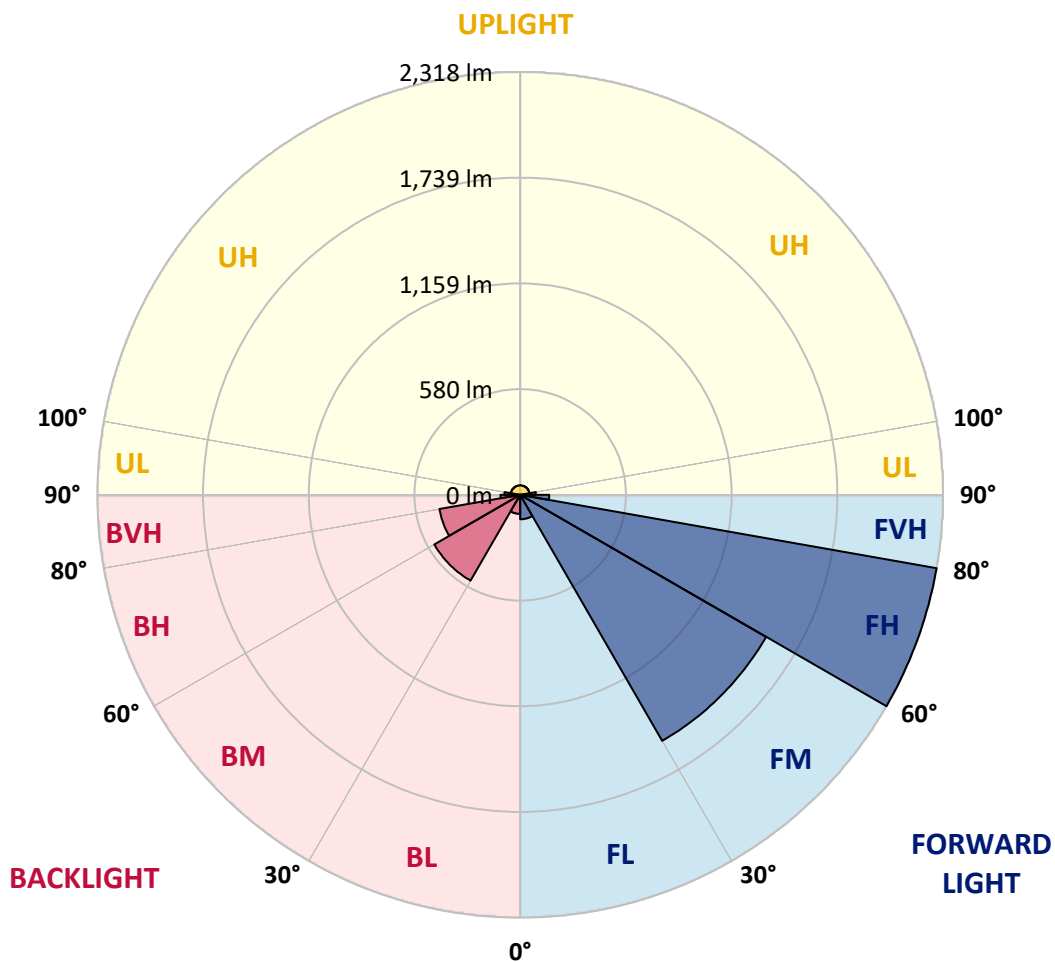
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.1	2.5			
FM (30°-60°)	1557.3	28.5			
FH (60°-80°)	2318.3	42.4			G2/5000
FVH (80°-90°)	159.3	2.9			G2/225
BL (0°-30°)	104.9	1.9	B0/110		
BM (30°-60°)	543.7	9.9	B1/1000		
BH (60°-80°)	449.6	8.2	B1/500		G1/500
BVH (80°-90°)	108.3	2.0			G2/225
UL (90°-100°)	86.2	1.6		U3/500	
UH (100°-180°)	51.8	0.9		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	4.5	4.0	3.2	2.5	2.5	1.9	1.9	1.9	2.5	2.5	2.5
5°	72.8	72.0	65.5	62.3	25.3	15.6	13.7	8.4	3.2	2.5	2.5
7.5°	86.3	85.1	83.2	87.0	81.1	70.7	64.9	37.6	10.4	3.2	2.5
10°	114.3	112.9	103.2	100.6	91.5	83.7	79.2	74.0	31.3	6.5	4.5
12.5°	216.2	209.0	203.2	172.0	116.2	94.1	93.6	87.7	73.4	66.3	80.5
15°	244.1	237.6	227.9	226.0	206.5	124.7	114.3	157.7	186.9	140.2	143.5
17.5°	276.6	279.8	266.8	239.6	222.7	238.3	262.3	231.9	205.2	170.8	173.4
20°	389.5	387.0	376.6	345.4	282.4	307.1	298.6	293.4	239.6	315.6	306.4
22.5°	404.4	403.9	398.7	379.9	405.9	327.3	324.6	361.7	356.4	362.9	350.0
25°	530.4	535.7	518.9	407.1	427.2	418.2	403.2	439.5	398.7	401.9	448.0
27.5°	555.8	553.1	544.2	521.3	451.8	495.3	491.6	466.2	517.5	545.5	548.7
30°	699.3	681.0	588.2	566.8	545.5	518.9	525.9	555.2	577.9	570.1	601.9
32.5°	768.7	764.2	749.2	664.8	590.1	574.6	612.3	622.6	609.7	722.0	777.2
35°	1000.5	979.7	860.2	736.9	657.6	649.3	653.2	652.4	741.6	761.7	837.6
37.5°	1290.8	1263.5	1169.4	903.8	718.0	679.7	712.3	745.4	775.9	834.3	892.7
40°	1460.9	1446.6	1371.3	1117.4	837.6	739.6	771.4	787.5	827.8	875.8	973.9
42.5°	1591.3	1590.1	1542.7	1268.0	1000.5	834.3	840.2	842.2	872.0	949.9	1066.1
45°	1680.3	1679.0	1687.5	1409.6	1156.4	942.1	942.7	919.3	940.7	1042.0	1193.9
47.5°	1790.7	1771.2	1790.7	1559.5	1291.5	1070.1	1058.4	1003.8	1048.6	1170.0	1371.9
50°	1901.1	1882.8	1890.7	1677.0	1425.2	1225.8	1205.0	1132.4	1193.9	1331.0	1591.9
52.5°	2045.3	2021.8	1986.8	1801.1	1606.3	1388.2	1359.0	1299.8	1357.0	1533.5	1869.9
55°	2151.0	2134.2	2122.4	1977.0	1734.2	1532.2	1512.1	1445.3	1599.8	1760.1	2166.6
57.5°	2233.5	2240.0	2275.6	2192.7	1974.5	1690.7	1658.2	1630.3	1828.9	2028.4	2484.7
60°	2320.5	2308.1	2395.8	2393.3	2177.6	1849.8	1856.3	1852.3	2062.8	2284.1	2854.2
62.5°	2315.3	2325.1	2482.8	2535.3	2352.3	2062.1	2087.4	2080.3	2302.4	2538.6	3128.2
65°	2105.5	2134.2	2477.6	2597.7	2568.6	2313.3	2355.5	2349.6	2579.6	2755.6	3301.5
67.5°	1967.9	2004.3	2328.2	2648.4	2773.6	2635.4	2669.1	2647.8	2777.6	2876.3	3302.2
70°	1823.7	1849.2	2137.3	2668.5	2995.0	3055.4	3076.9	2944.5	2942.5	2945.2	3031.4
72.5°	1484.2	1487.5	1748.6	2359.5	3091.2	3510.5	3597.0	3306.1	3028.1	2815.8	2435.5
74°	1077.2	1068.8	1334.9	1930.3	2906.7	3610.0	3721.0	3398.3	2971.1	2582.2	1930.3
75°	777.2	799.2	996.6	1561.6	2623.1	3582.7	3696.3	3379.5	2852.8	2345.1	1570.0
77.5°	247.4	255.7	324.6	657.6	1606.3	2936.0	3137.3	2839.9	2172.5	1481.7	811.6
80°	132.5	138.2	173.4	258.4	674.0	1704.4	1899.7	1649.7	1206.3	744.8	444.1
82.5°	79.2	83.2	113.6	155.9	349.4	707.8	837.6	686.2	587.6	428.5	310.4
85°	51.4	52.6	66.3	96.1	226.6	278.6	326.5	336.3	335.0	300.7	249.3
87.5°	28.6	29.3	31.3	41.0	103.8	146.1	133.0	163.0	194.8	193.4	220.8
90°	20.1	20.1	16.9	18.1	57.1	146.8	133.8	143.5	129.1	152.0	227.9
92.5°	18.9	19.5	15.6	16.2	45.5	144.2	161.1	160.3	132.5	159.1	229.2
95°	15.6	16.9	12.3	13.7	28.6	123.3	159.7	159.1	116.9	125.9	163.0
97.5°	12.3	12.9	8.4	10.4	16.9	63.1	96.1	91.5	61.7	53.2	63.6
100°	7.7	8.4	4.5	7.1	10.4	20.8	34.5	36.3	28.6	12.9	7.7
102.5°	7.7	8.4	3.2	4.5	4.5	5.8	7.7	6.5	9.2	4.5	6.5
105°	7.7	8.4	2.5	1.9	1.3	1.9	1.3	1.9	3.2	4.0	7.7
107.5°	5.8	6.5	1.3	1.3	0.7	1.3	1.3	1.3	1.9	3.2	7.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	4.0	4.0	0.7	0.7	0.0	1.3	1.3	1.3	1.9	2.5	4.0
112.5°	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.9	1.9	2.5
115°	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.9	3.2
117.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	3.2
120°	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.2
122.5°	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.2
125°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	3.2
127.5°	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	2.5
130°	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	2.5
132.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
142.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.3
145°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.9
147.5°	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.9	1.9
150°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.9	1.9	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.3	1.3	0.7	0.7	1.3	1.9	3.2	4.5	4.5
7.5°	2.5	1.9	1.9	1.9	1.9	9.2	33.1	57.9	72.8	78.0	76.6
10°	4.5	4.0	4.0	4.0	19.5	63.6	85.1	87.0	93.6	94.9	94.1
12.5°	97.3	83.2	51.9	24.7	68.2	88.9	92.9	99.4	103.8	136.4	142.8
15°	144.2	142.2	138.2	146.1	158.5	102.0	125.4	167.5	189.6	198.0	200.6
17.5°	172.7	170.0	159.1	184.4	195.4	193.4	186.9	200.6	203.8	211.7	211.0
20°	313.6	307.1	274.1	217.5	204.5	257.2	211.0	211.7	262.9	293.4	291.0
22.5°	346.0	342.9	324.6	319.4	275.3	272.0	282.4	289.6	312.3	323.3	322.0
25°	449.3	445.4	360.9	331.1	335.6	288.3	337.0	314.9	324.6	353.8	350.0
27.5°	557.0	548.0	481.8	403.9	336.3	358.5	339.6	371.4	404.4	422.1	424.0
30°	609.1	592.8	515.4	424.5	368.8	354.6	357.0	405.1	411.0	425.9	429.2
32.5°	804.4	790.8	657.1	436.2	369.5	338.9	375.3	396.1	458.3	490.8	493.4
35°	859.7	847.9	662.9	489.5	356.4	351.2	355.2	412.3	444.1	467.5	471.4
37.5°	919.3	899.3	674.0	459.8	366.9	327.3	343.4	374.7	429.7	470.1	480.5
40°	1003.8	967.5	667.4	428.5	340.8	319.4	318.1	355.2	379.2	398.7	401.9
42.5°	1111.6	1049.2	671.4	399.2	317.6	297.3	302.5	319.4	327.9	329.1	329.1
45°	1244.1	1151.2	688.2	375.3	298.0	287.0	289.0	293.4	294.7	279.3	277.2
47.5°	1422.6	1282.3	702.6	356.4	283.8	279.8	274.1	276.6	271.4	250.5	248.0
50°	1634.1	1438.7	714.8	334.3	270.7	270.1	268.9	259.0	250.0	230.4	227.9
52.5°	1860.7	1623.9	721.3	310.4	260.4	262.3	263.7	247.4	234.4	219.5	218.2
55°	2156.9	1839.4	736.9	288.3	248.0	252.0	259.0	242.8	230.4	220.8	226.6
57.5°	2449.0	2078.3	723.9	268.1	238.9	242.2	253.2	246.8	240.8	240.8	242.2
60°	2732.1	2285.5	643.5	252.0	230.4	234.4	257.8	269.4	268.9	281.1	284.4
62.5°	2922.4	2393.3	524.6	237.6	223.4	238.3	279.3	306.4	301.9	307.1	309.6
65°	2999.6	2386.7	399.9	227.2	218.7	255.2	303.8	330.4	313.6	301.9	299.3
67.5°	2917.9	2243.2	324.6	218.7	218.7	270.7	324.6	331.7	313.6	314.2	309.6
70°	2586.0	1908.9	279.3	210.4	222.1	268.1	335.0	329.9	314.2	325.2	318.8
72.5°	1940.7	1360.3	250.5	204.5	220.8	257.8	329.1	329.1	316.3	337.7	331.1
74°	1472.0	985.6	238.3	202.6	214.2	252.6	327.3	325.9	311.1	329.9	323.3
75°	1159.6	753.1	230.4	200.0	210.4	249.3	324.0	322.8	308.4	328.5	323.3
77.5°	592.8	393.5	212.3	195.4	200.6	244.8	315.6	316.3	298.0	316.8	313.0
80°	377.8	298.0	189.0	180.5	193.4	245.4	310.4	307.1	286.3	307.1	298.0
82.5°	301.2	246.0	153.3	156.5	184.4	241.6	307.1	292.2	271.4	302.5	271.4
85°	241.6	207.1	105.8	115.6	163.6	222.1	292.8	261.6	240.2	244.8	240.8
87.5°	203.8	167.5	49.9	75.3	127.9	170.0	217.5	202.6	186.4	194.2	185.7
90°	206.5	161.1	35.8	57.9	115.6	141.6	173.4	152.0	142.8	145.4	140.2
92.5°	200.6	153.9	36.3	48.1	112.9	155.1	183.1	155.1	137.0	131.8	127.3
95°	135.7	106.4	33.7	37.6	72.0	122.1	148.0	117.5	95.4	84.4	81.1
97.5°	51.9	46.7	29.3	31.3	37.6	64.9	85.7	75.3	51.4	37.0	35.0
100°	7.7	12.9	24.1	29.3	22.1	24.7	35.8	40.2	26.1	2.5	1.9
102.5°	8.4	7.1	9.7	22.1	12.9	5.2	11.0	22.1	14.4	1.3	1.3
105°	9.7	7.7	4.0	9.7	3.2	0.7	0.7	4.5	3.2	0.7	1.3
107.5°	8.4	7.1	2.5	1.9	0.7	0.7	0.0	0.0	0.0	0.7	1.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.5	4.5	2.5	1.3	0.7	0.7	0.0	0.0	0.0	1.3	1.3
112.5°	3.2	3.2	1.9	1.3	0.7	0.0	0.0	0.0	0.0	1.3	1.9
115°	4.0	3.2	1.9	0.7	0.0	0.0	0.0	0.0	0.0	1.9	1.9
117.5°	4.0	4.0	1.9	0.7	0.0	0.0	0.0	0.0	0.0	1.9	2.5
120°	4.0	4.0	1.9	0.7	0.0	0.0	0.0	0.0	0.0	1.9	1.9
122.5°	4.0	3.2	1.9	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.9
125°	3.2	3.2	1.9	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.3
127.5°	3.2	3.2	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3
130°	2.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
132.5°	1.9	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.0	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)