

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: P266078

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T4W-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266078  
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-AF24-40-D-U-T4W-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA 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: 3671.7 lumens  
Efficiency: N/A  
Efficacy: 91.8 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): 40  
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

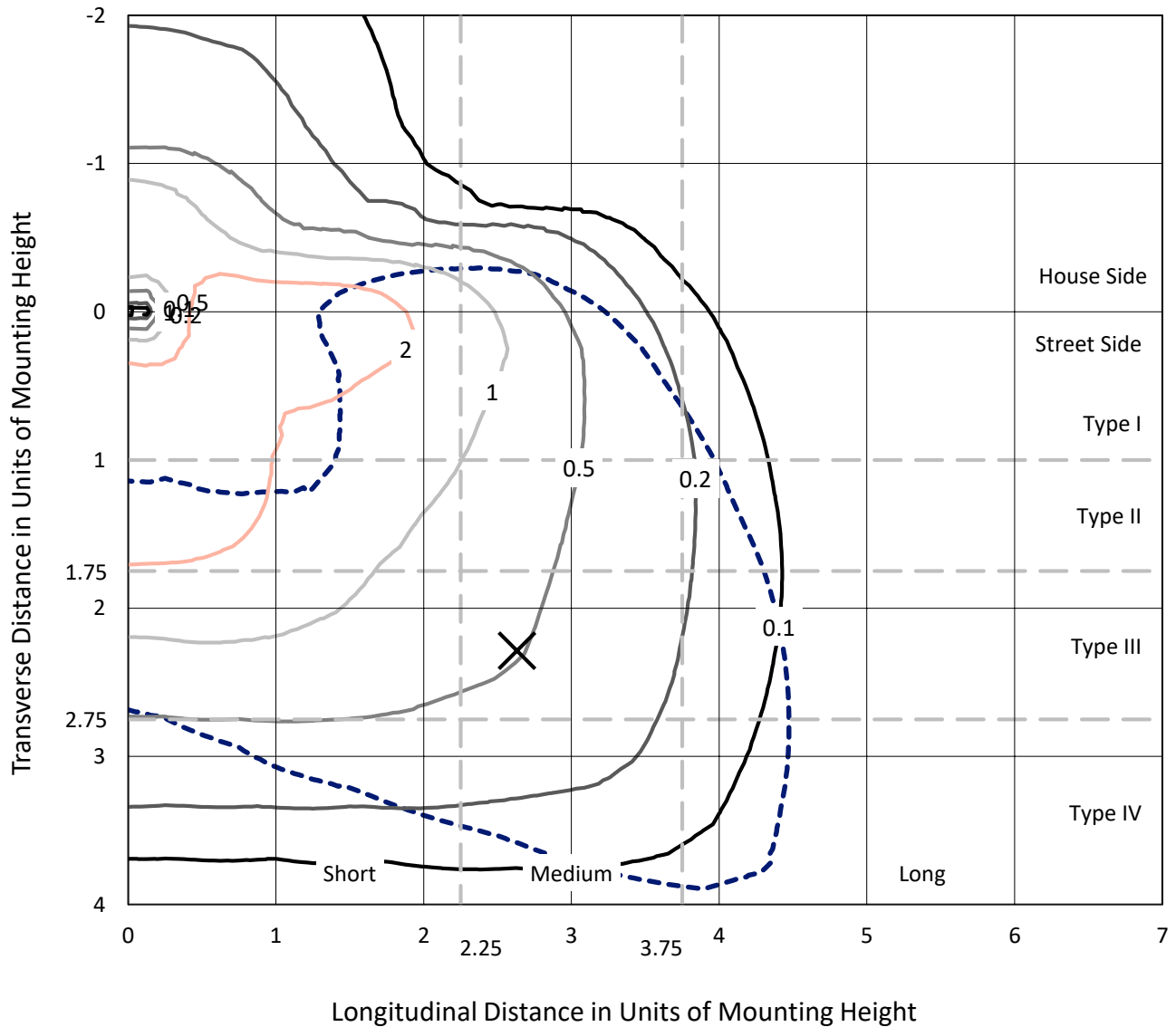


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### Iso-Footcandle Lines of Horizontal Illumination

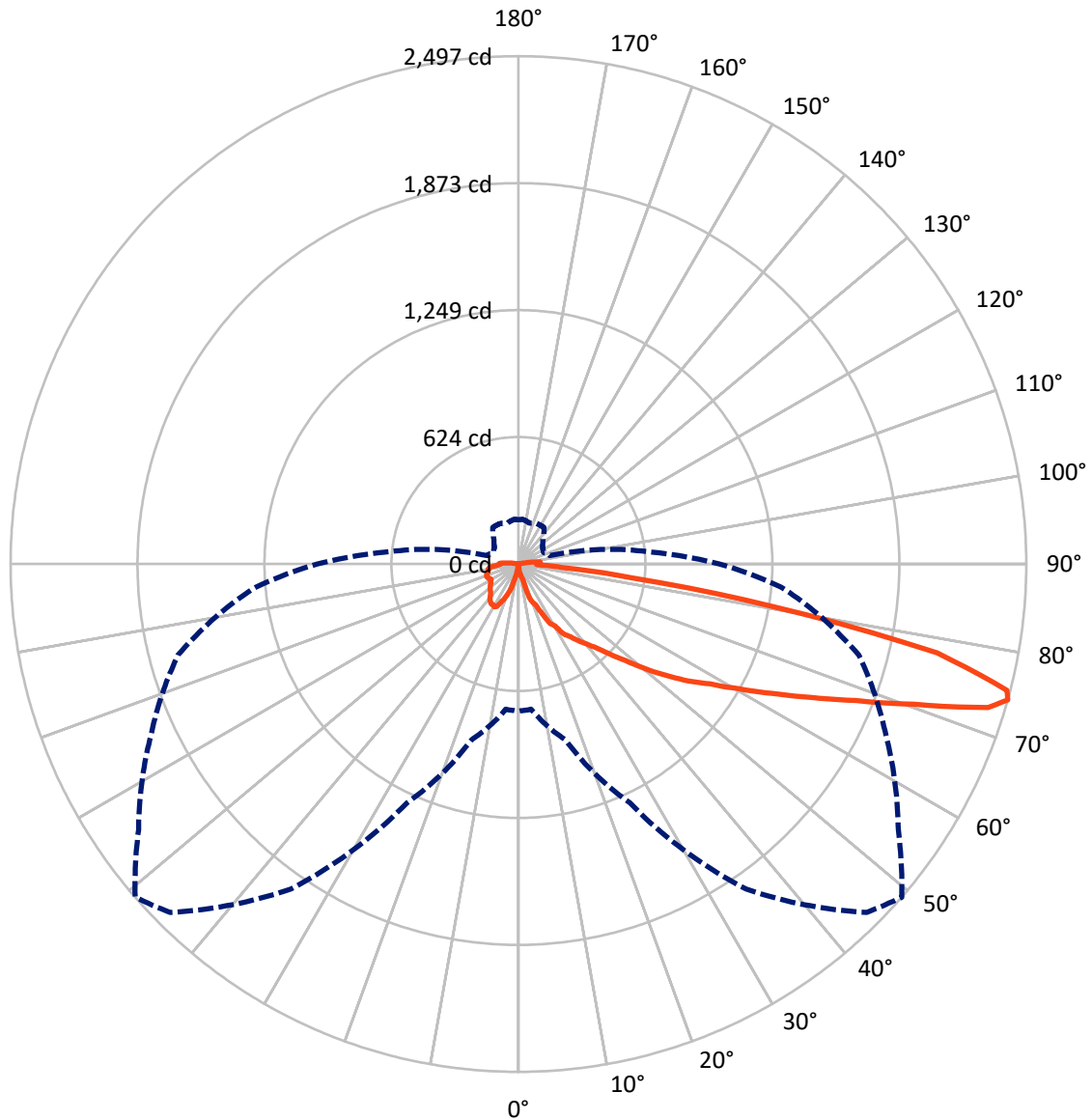
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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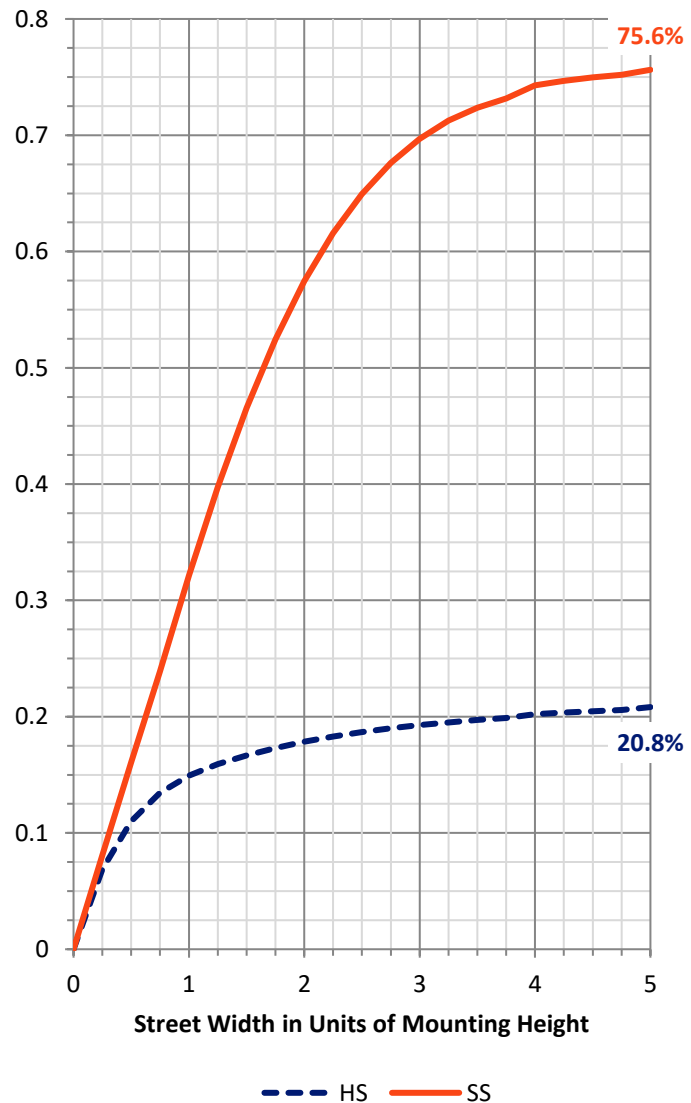
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	809.8	34.8	844.6
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	2798.0	29.1	2827.2
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	3607.8	63.9	3671.7
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	33.0	0.9
20°-30°	125.3	3.4
30°-40°	266.3	7.3
40°-50°	437.8	11.9
50°-60°	706.0	19.2
60°-70°	1020.1	27.8
70°-80°	837.5	22.8
80°-90°	179.6	4.9
90°-100°	57.8	1.6
100°-110°	4.6	0.1
110°-120°	0.7	0.0
120°-130°	0.5	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3607.8	98.3
0°-180°	3671.7	100.0

**Coefficient of Utilization**



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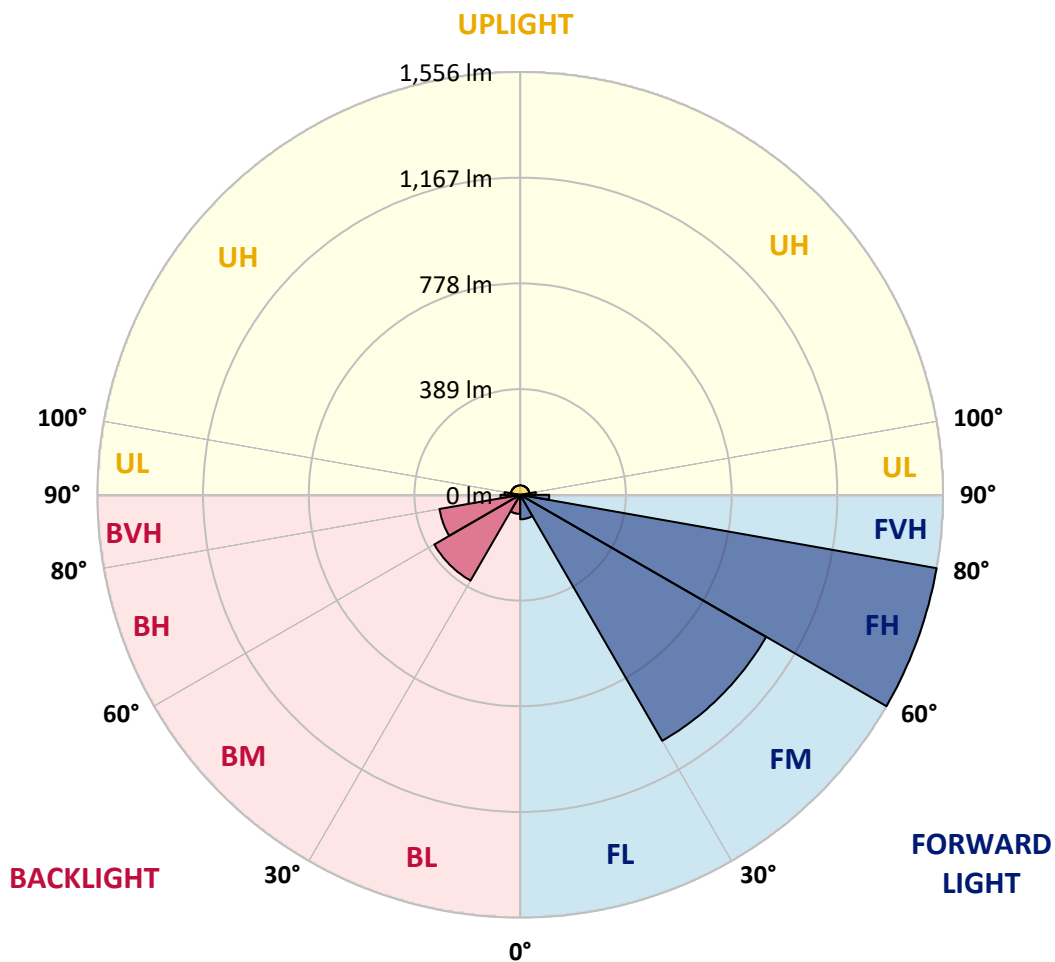
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.0	2.5			
FM (30°-60°)	1045.2	28.5			
FH (60°-80°)	1555.9	42.4			G1/1800
FVH (80°-90°)	106.9	2.9			G2/225
BL (0°-30°)	70.4	1.9	B0/110		
BM (30°-60°)	364.9	9.9	B1/1000		
BH (60°-80°)	301.7	8.2	B1/500		G1/500
BVH (80°-90°)	72.7	2.0			G1/100
UL (90°-100°)	57.8	1.6		U3/500	
UH (100°-180°)	34.8	0.9		U2/50	

**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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	3.1	2.6	2.2	1.7	1.7	1.3	1.3	1.3	1.7	1.7	1.7
5°	48.8	48.4	43.9	41.9	17.0	10.5	9.2	5.7	2.2	1.7	1.7
7.5°	57.9	57.1	55.8	58.4	54.4	47.5	43.6	25.3	6.9	2.2	1.7
10°	76.6	75.8	69.3	67.6	61.4	56.2	53.2	49.6	20.9	4.3	3.1
12.5°	145.0	140.3	136.5	115.5	78.1	63.2	62.7	58.7	49.2	44.5	54.1
15°	163.9	159.4	152.9	151.6	138.6	83.6	76.6	105.9	125.6	94.1	96.3
17.5°	185.6	187.8	179.1	160.7	149.5	159.9	176.1	155.5	137.7	114.7	116.3
20°	261.4	259.7	252.8	231.9	189.5	206.2	200.4	197.0	160.7	211.8	205.7
22.5°	271.5	271.1	267.5	254.8	272.4	219.6	217.8	242.7	239.2	243.6	234.8
25°	356.0	359.5	348.2	273.3	286.6	280.6	270.6	295.1	267.5	269.8	300.7
27.5°	372.9	371.3	365.3	349.9	303.3	332.6	329.9	312.9	347.4	366.0	368.2
30°	469.4	457.1	394.7	380.4	366.0	348.2	352.9	372.5	387.8	382.6	404.0
32.5°	515.9	512.9	503.0	446.2	396.2	385.6	411.0	417.9	409.2	484.5	521.6
35°	671.6	657.6	577.4	494.5	441.4	435.8	438.4	438.0	497.7	511.1	562.1
37.5°	866.2	848.0	784.8	606.5	481.9	456.2	478.0	500.3	520.7	560.0	599.2
40°	980.5	970.9	920.4	749.9	562.1	496.4	517.7	528.6	555.6	587.9	653.6
42.5°	1068.1	1067.1	1035.3	851.1	671.6	560.0	563.9	565.2	585.2	637.4	715.5
45°	1127.7	1126.8	1132.6	946.0	776.0	632.2	632.8	617.0	631.4	699.4	801.4
47.5°	1201.8	1188.7	1201.8	1046.6	866.8	718.1	710.3	673.6	703.7	785.3	920.8
50°	1276.0	1263.6	1268.9	1125.5	956.4	822.7	808.7	760.0	801.4	893.4	1068.4
52.5°	1372.6	1357.0	1333.4	1208.8	1078.1	931.6	912.0	872.4	910.7	1029.3	1255.0
55°	1443.7	1432.3	1424.5	1326.8	1163.9	1028.4	1014.8	970.0	1073.7	1181.4	1454.1
57.5°	1499.0	1503.4	1527.4	1471.6	1325.1	1134.6	1112.9	1094.1	1227.5	1361.3	1667.7
60°	1557.4	1549.1	1608.0	1606.2	1461.5	1241.5	1245.8	1243.3	1384.4	1533.0	1915.5
62.5°	1553.9	1560.4	1666.4	1701.6	1578.7	1384.0	1400.9	1396.1	1545.3	1703.8	2099.5
65°	1413.2	1432.3	1662.9	1743.5	1723.8	1552.6	1580.9	1577.1	1731.3	1849.4	2215.8
67.5°	1320.8	1345.2	1562.6	1777.4	1861.6	1768.8	1791.4	1777.0	1864.3	1930.4	2216.3
70°	1224.0	1241.1	1434.6	1791.0	2010.1	2050.7	2065.1	1976.2	1974.8	1976.6	2034.5
72.5°	996.1	998.3	1173.5	1583.5	2074.6	2356.2	2414.1	2219.0	2032.3	1889.9	1634.6
74°	723.0	717.2	895.9	1295.5	1950.8	2422.8	2497.4	2280.7	1994.1	1733.0	1295.5
75°	521.6	536.4	668.9	1048.1	1760.5	2404.6	2480.8	2268.1	1914.7	1574.0	1053.6
77.5°	166.0	171.7	217.8	441.4	1078.1	1970.5	2105.5	1906.1	1458.0	994.5	544.7
80°	88.9	92.9	116.3	173.5	452.3	1143.9	1275.1	1107.3	809.6	499.7	298.1
82.5°	53.2	55.8	76.3	104.7	234.5	474.9	562.1	460.7	394.4	287.5	208.2
85°	34.5	35.4	44.5	64.5	152.1	186.9	219.1	225.7	224.8	201.8	167.4
87.5°	19.1	19.7	20.9	27.5	69.7	98.1	89.3	109.4	130.8	129.8	148.2
90°	13.6	13.6	11.3	12.1	38.4	98.5	89.8	96.3	86.7	102.0	152.9
92.5°	12.7	13.0	10.5	10.9	30.5	96.7	108.1	107.6	88.9	106.8	153.8
95°	10.5	11.3	8.3	9.2	19.1	82.9	107.2	106.8	78.4	84.5	109.4
97.5°	8.3	8.8	5.7	6.9	11.3	42.3	64.5	61.4	41.4	35.8	42.7
100°	5.2	5.7	3.1	4.9	6.9	14.0	23.0	24.4	19.1	8.8	5.2
102.5°	5.2	5.7	2.2	3.1	3.1	4.0	5.2	4.3	6.1	3.1	4.3
105°	5.2	5.7	1.7	1.3	0.9	1.3	0.9	1.3	2.2	2.6	5.2
107.5°	4.0	4.3	0.9	0.9	0.4	0.9	0.9	0.9	1.3	2.2	4.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	2.6	2.6	0.4	0.4	0.0	0.9	0.9	0.9	1.3	1.7	2.6
112.5°	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	1.3	1.3	1.7
115°	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.9	1.3	2.2
117.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	2.2
120°	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	2.2
122.5°	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	2.2
125°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	2.2
127.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.7
130°	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.7
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
142.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.9
145°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.9	0.9	1.3
147.5°	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.9	1.3	1.3
150°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.3	1.3	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	0.9	0.9	0.4	0.4	0.9	1.3	2.2	3.1	3.1
7.5°	1.7	1.3	1.3	1.3	1.3	6.1	22.2	38.7	48.8	52.3	51.5
10°	3.1	2.6	2.6	2.6	13.0	42.7	57.1	58.4	62.7	63.6	63.2
12.5°	65.3	55.8	34.9	16.6	45.8	59.6	62.3	66.7	69.7	91.4	95.8
15°	96.7	95.4	92.9	98.1	106.3	68.5	84.1	112.4	127.2	132.9	134.7
17.5°	115.9	114.2	106.8	123.7	131.2	129.8	125.6	134.7	136.8	142.0	141.7
20°	210.5	206.2	184.0	146.0	137.4	172.6	141.7	142.0	176.4	197.0	195.2
22.5°	232.2	230.1	217.8	214.3	184.7	182.5	189.5	194.4	209.7	217.0	216.1
25°	301.6	299.0	242.4	222.2	225.2	193.4	226.2	211.3	217.8	237.5	234.8
27.5°	373.9	367.8	323.3	271.1	225.7	240.6	227.9	249.3	271.5	283.2	284.6
30°	408.8	397.9	345.9	285.0	247.6	238.0	239.7	271.8	275.8	285.9	288.0
32.5°	539.9	530.8	441.0	292.8	247.9	227.5	251.9	265.8	307.7	329.4	331.1
35°	576.9	569.0	444.9	328.6	239.2	235.7	238.4	276.7	298.1	313.8	316.4
37.5°	617.0	603.5	452.3	308.5	246.1	219.6	230.5	251.4	288.4	315.5	322.4
40°	673.6	649.3	448.0	287.5	228.8	214.3	213.5	238.4	254.5	267.5	269.8
42.5°	746.0	704.2	450.6	268.0	213.1	199.6	203.0	214.3	220.1	221.0	221.0
45°	835.0	772.6	461.9	251.9	200.1	192.5	193.9	197.0	197.8	187.3	186.0
47.5°	954.8	860.7	471.5	239.2	190.4	187.8	184.0	185.6	182.1	168.3	166.5
50°	1096.8	965.7	479.8	224.4	181.6	181.3	180.4	173.8	167.8	154.7	152.9
52.5°	1248.9	1089.9	484.1	208.2	174.7	176.1	177.0	166.0	157.4	147.3	146.5
55°	1447.6	1234.5	494.5	193.4	166.5	169.2	173.8	163.0	154.7	148.2	152.1
57.5°	1643.7	1394.9	485.9	180.0	160.3	162.6	170.0	165.6	161.7	161.7	162.6
60°	1833.7	1533.9	431.8	169.2	154.7	157.4	173.1	180.9	180.4	188.6	190.9
62.5°	1961.4	1606.2	352.0	159.4	149.8	159.9	187.3	205.7	202.7	206.2	207.9
65°	2013.2	1601.9	268.5	152.5	146.9	171.2	203.9	221.8	210.5	202.7	201.0
67.5°	1958.3	1505.6	217.8	146.9	146.9	181.6	217.8	222.7	210.5	210.9	207.9
70°	1735.6	1281.2	187.3	141.2	148.9	180.0	224.8	221.3	210.9	218.3	213.9
72.5°	1302.5	912.9	168.3	137.4	148.2	173.1	221.0	221.0	212.2	226.6	222.2
74°	987.9	661.5	159.9	136.0	143.8	169.5	219.6	218.7	208.8	221.3	217.0
75°	778.3	505.4	154.7	134.1	141.2	167.4	217.4	216.6	207.0	220.5	217.0
77.5°	397.9	264.1	142.6	131.2	134.7	164.3	211.8	212.2	200.1	212.7	210.1
80°	253.6	200.1	126.8	121.1	129.8	164.7	208.2	206.2	192.1	206.2	200.1
82.5°	202.2	165.2	102.9	105.0	123.7	162.1	206.2	196.1	182.1	203.0	182.1
85°	162.1	139.0	71.1	77.6	109.9	148.9	196.5	175.6	161.2	164.3	161.7
87.5°	136.8	112.4	33.5	50.6	85.9	114.2	146.0	136.0	125.0	130.3	124.7
90°	138.6	108.1	24.0	38.7	77.6	95.0	116.3	102.0	95.8	97.6	94.1
92.5°	134.7	103.2	24.4	32.2	75.8	104.2	122.9	104.2	91.9	88.5	85.3
95°	91.1	71.4	22.6	25.3	48.4	81.9	99.4	79.0	64.0	56.7	54.4
97.5°	34.9	31.4	19.7	20.9	25.3	43.6	57.5	50.6	34.5	24.9	23.5
100°	5.2	8.8	16.1	19.7	14.8	16.6	24.0	26.9	17.4	1.7	1.3
102.5°	5.7	4.9	6.6	14.8	8.8	3.6	7.4	14.8	9.6	0.9	0.9
105°	6.6	5.2	2.6	6.6	2.2	0.4	0.4	3.1	2.2	0.4	0.9
107.5°	5.7	4.9	1.7	1.3	0.4	0.4	0.0	0.0	0.0	0.4	0.9



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	3.1	3.1	1.7	0.9	0.4	0.4	0.0	0.0	0.0	0.9	0.9
112.5°	2.2	2.2	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.9	1.3
115°	2.6	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0	1.3	1.3
117.5°	2.6	2.6	1.3	0.4	0.0	0.0	0.0	0.0	0.0	1.3	1.7
120°	2.6	2.6	1.3	0.4	0.0	0.0	0.0	0.0	0.0	1.3	1.3
122.5°	2.6	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.9	1.3
125°	2.2	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.9	0.9
127.5°	2.2	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9
130°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
132.5°	1.3	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	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)