

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: P266014

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-T3-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2035.5 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

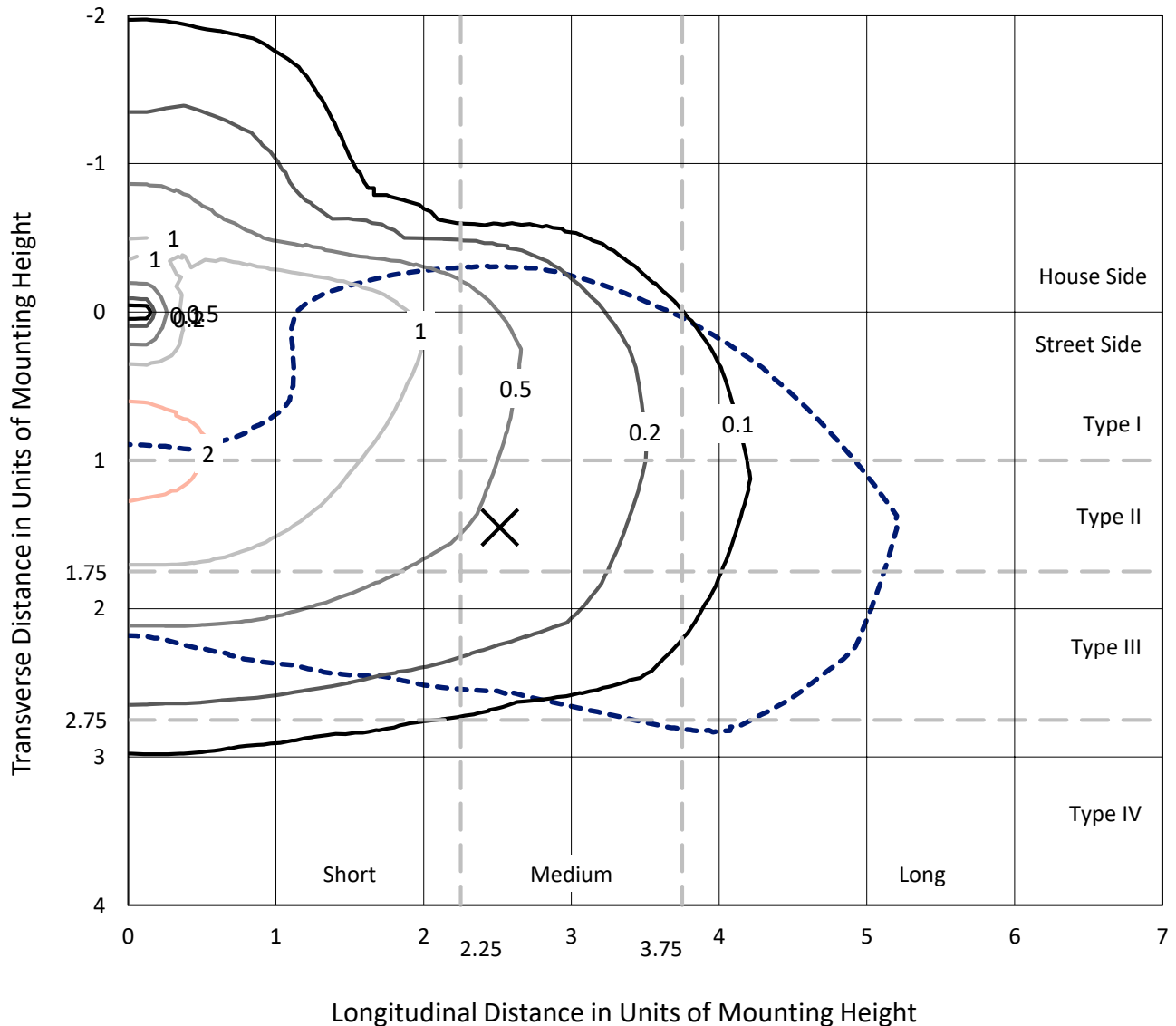


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

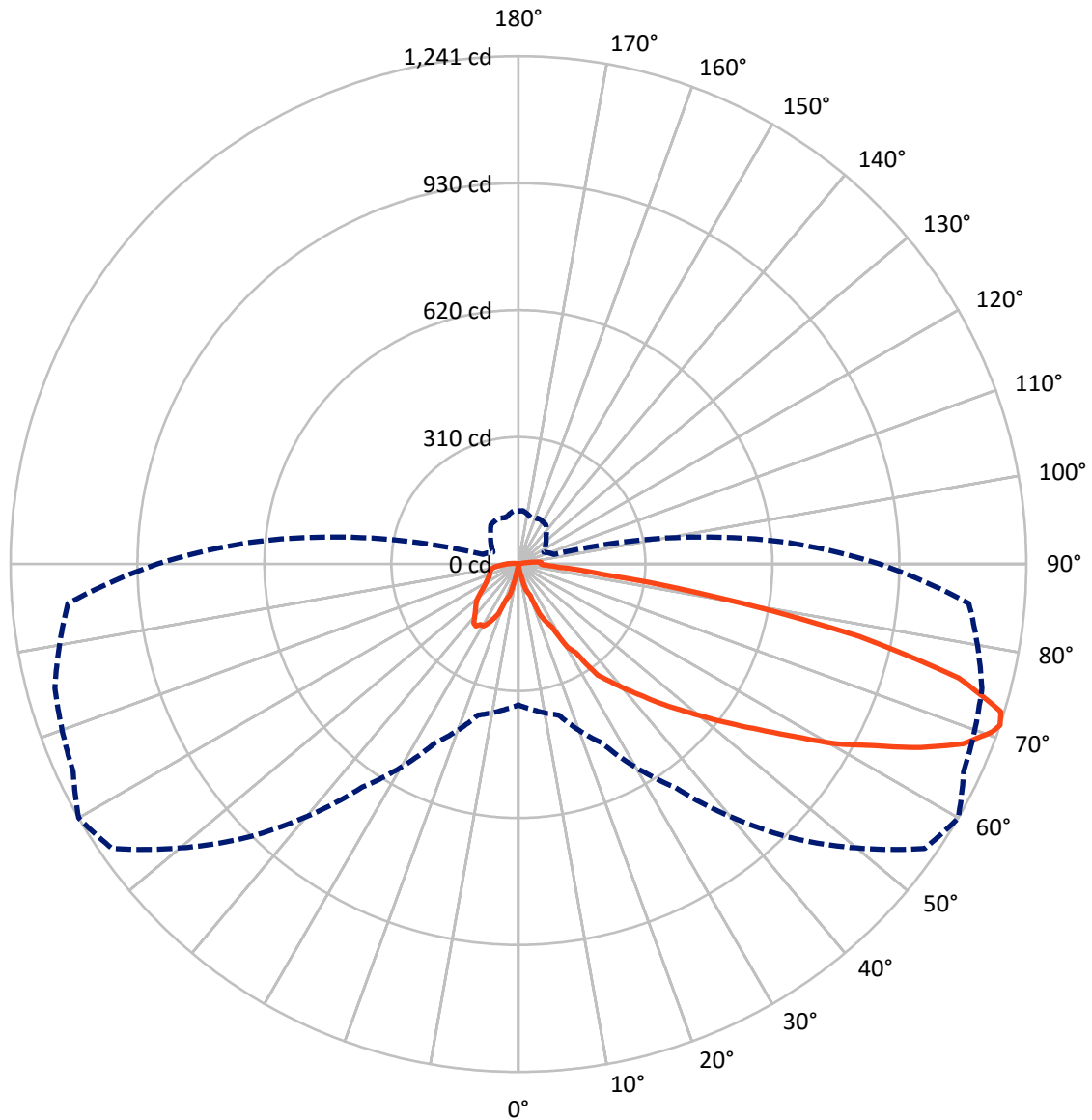


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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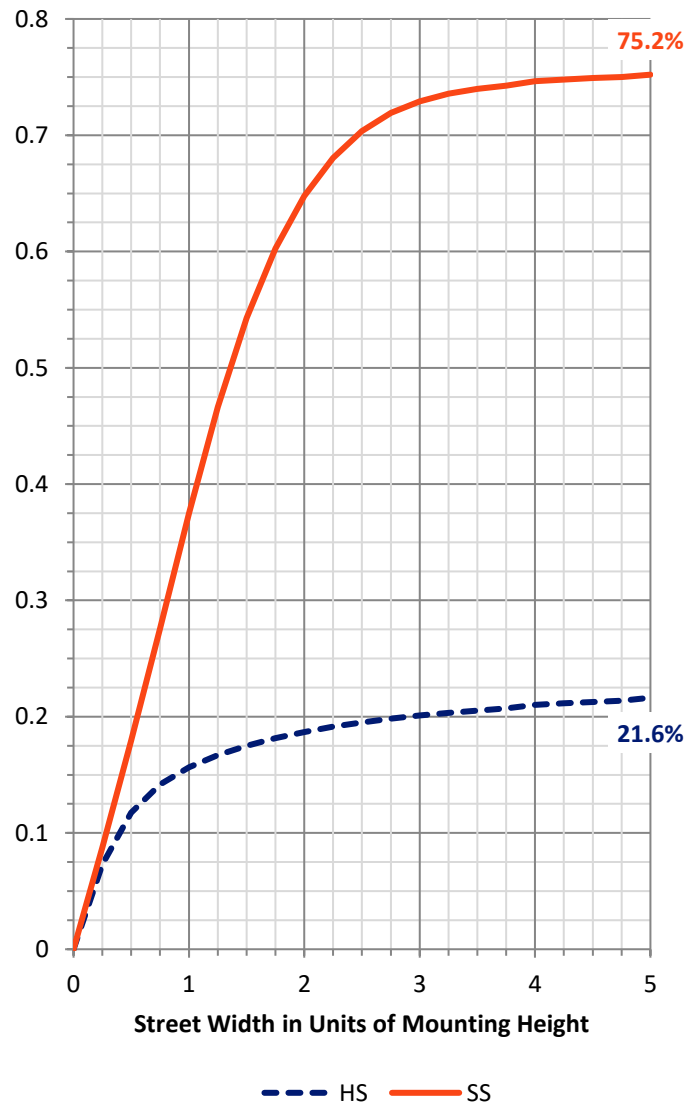
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	462.4	15.0	477.4
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	1543.5	14.6	1558.1
	% Fixture	75.8	0.7	76.5
Total	Lumens	2006.0	29.6	2035.5
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	18.3	0.9
20°-30°	75.1	3.7
30°-40°	168.8	8.3
40°-50°	293.0	14.4
50°-60°	443.9	21.8
60°-70°	547.1	26.9
70°-80°	372.9	18.3
80°-90°	85.8	4.2
90°-100°	26.2	1.3
100°-110°	2.4	0.1
110°-120°	0.4	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2006.0	98.5
0°-180°	2035.5	100.0



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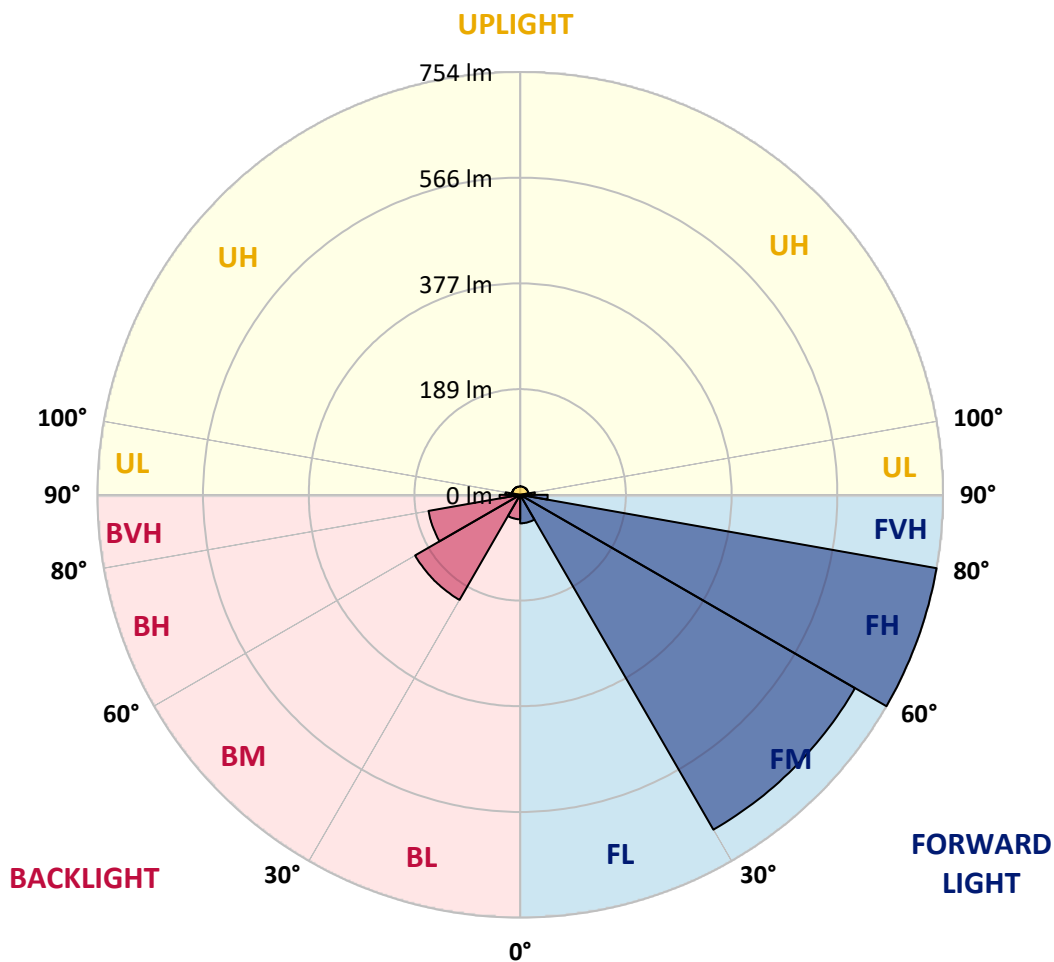
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.9	2.5			
FM	(30°-60°)	689.5	33.9			
FH	(60°-80°)	754.0	37.0			G1/1800
FVH	(80°-90°)	49.2	2.4			G1/100
BL	(0°-30°)	43.6	2.1	B0/110		
BM	(30°-60°)	216.3	10.6	B0/220		
BH	(60°-80°)	166.0	8.2	B1/500		G1/500
BVH	(80°-90°)	36.6	1.8			G1/100
UL	(90°-100°)	26.2	1.3		U2/50	
UH	(100°-180°)	15.0	0.7		U2/50	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	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°	1.2	1.4	1.0	1.2	1.2	1.0	0.7	0.7	1.0	1.0	0.7
5°	21.7	22.1	23.0	23.7	8.2	5.7	2.2	1.4	1.2	1.0	1.0
7.5°	27.6	27.0	26.6	25.2	26.0	24.3	14.5	6.0	2.9	1.2	1.0
10°	31.9	31.9	29.7	28.0	27.8	27.4	26.0	23.7	11.3	2.3	1.6
12.5°	58.3	56.7	54.0	44.3	33.7	30.5	29.7	30.5	25.0	24.8	33.1
15°	66.7	67.2	65.7	62.2	60.1	38.8	51.1	63.5	63.8	51.1	57.5
17.5°	86.5	86.1	78.6	71.8	69.8	74.3	74.6	71.4	71.8	63.8	67.8
20°	128.7	130.0	123.7	104.8	84.9	98.1	95.2	82.7	84.4	120.4	124.2
22.5°	151.1	153.5	146.1	138.1	136.9	108.9	123.0	131.4	127.6	141.9	142.9
25°	224.1	217.7	189.7	162.4	165.9	145.0	159.2	154.9	148.2	158.7	183.7
27.5°	244.1	245.7	238.6	224.7	190.4	198.0	180.6	173.4	199.8	222.8	229.4
30°	289.4	289.4	263.8	258.5	243.4	221.3	236.3	234.1	238.6	242.3	254.7
32.5°	351.5	347.5	336.0	296.1	279.6	253.2	272.4	259.3	267.2	316.4	337.1
35°	415.6	415.3	376.0	346.7	312.9	308.8	299.8	333.8	343.2	345.3	365.9
37.5°	497.1	497.8	476.6	390.7	355.9	337.1	361.1	363.3	374.4	393.3	399.7
40°	561.4	557.5	530.2	466.2	409.5	382.9	403.8	400.3	419.1	434.3	443.7
42.5°	641.7	639.4	601.7	527.6	483.8	441.4	447.3	437.8	451.6	489.1	493.0
45°	717.2	712.6	678.0	598.8	552.9	506.3	493.8	485.2	488.1	530.9	545.5
47.5°	767.8	762.5	749.4	671.7	635.7	574.6	548.9	531.6	535.5	583.2	607.4
50°	831.1	813.7	801.8	732.3	706.6	657.3	602.9	586.1	594.7	638.3	676.0
52.5°	865.0	841.3	841.4	791.8	767.6	732.6	662.9	646.7	658.3	700.0	754.7
55°	839.6	837.1	858.1	829.7	816.0	785.7	728.0	713.2	732.1	780.7	841.3
57.5°	803.4	806.9	849.8	863.2	863.2	839.0	800.2	793.9	814.4	863.7	924.4
60°	761.9	770.7	825.6	864.2	892.7	891.3	878.2	891.1	897.0	944.1	1025.9
62.5°	700.9	705.0	769.3	847.5	894.3	939.9	960.2	976.6	999.5	1038.1	1112.6
65°	631.1	636.2	700.5	802.4	886.3	971.8	1040.4	1080.5	1087.5	1118.4	1175.3
67.5°	541.0	546.4	602.7	717.7	855.0	997.7	1122.3	1171.2	1159.4	1155.1	1190.2
70°	419.1	418.9	458.5	564.2	741.2	987.6	1194.3	1227.8	1197.4	1173.5	1148.8
71°	344.3	356.1	382.0	482.0	665.1	946.8	1211.6	1240.5	1200.0	1172.1	1104.5
72.5°	219.5	233.1	255.2	344.0	530.9	840.8	1196.5	1232.0	1191.3	1154.6	1015.3
75°	86.5	89.7	106.0	159.2	287.9	566.1	1056.5	1110.5	1094.5	1061.3	813.9
77.5°	52.3	54.0	60.1	79.6	132.1	261.9	771.6	850.1	878.4	863.0	560.2
80°	39.3	41.1	46.5	56.1	88.3	108.9	407.7	488.5	558.2	557.5	314.3
82.5°	30.0	30.9	36.2	39.5	65.7	75.3	153.7	207.9	270.5	270.5	155.9
85°	27.8	27.8	29.6	26.6	43.7	54.0	91.4	100.0	105.7	112.2	90.9
87.5°	11.0	10.8	14.2	13.7	19.1	35.6	57.9	60.5	56.7	68.6	78.4
90°	7.5	7.6	6.0	6.0	10.6	32.6	52.8	55.3	52.0	61.9	80.6
92.5°	7.1	7.5	5.5	5.5	7.9	27.0	55.2	56.1	53.4	63.8	82.0
95°	6.5	6.6	4.5	4.5	6.3	16.6	51.4	52.8	45.9	51.6	65.7
97.5°	5.0	5.3	3.1	3.4	4.9	6.3	30.7	32.9	25.6	24.3	28.6
100°	3.4	3.7	1.9	2.3	2.9	2.9	11.8	12.7	11.5	6.3	3.7
102.5°	3.1	3.4	1.4	1.4	1.4	1.0	2.3	3.9	2.2	2.6	3.1
105°	2.9	3.4	1.0	0.7	0.4	0.4	0.7	1.0	1.2	1.6	3.4
107.5°	1.9	2.2	0.4	0.4	0.2	0.4	0.4	0.4	0.7	1.2	3.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	1.0	1.0	0.2	0.2	0.0	0.2	0.2	0.4	0.7	1.0	1.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.7	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.7	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.2
125°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.2
127.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0
130°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0
132.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
140°	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4
142.5°	0.4	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.4	0.4
145°	0.4	0.4	0.2	0.2	0.0	0.0	0.2	0.2	0.4	0.4	0.4
147.5°	0.7	0.7	0.2	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.7
150°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	0.7	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
5°	0.7	0.7	0.7	0.7	0.7	0.4	1.0	1.4	1.6	1.9	1.9
7.5°	1.0	1.0	1.0	1.0	1.0	1.9	11.9	26.6	30.5	32.6	31.9
10°	1.6	1.6	1.4	1.6	6.0	29.7	36.2	38.8	39.3	41.1	42.4
12.5°	35.6	30.5	14.5	8.2	30.7	38.5	41.7	43.8	46.4	57.5	51.6
15°	58.7	59.9	58.7	64.8	72.5	43.7	51.8	79.1	85.9	87.8	87.2
17.5°	69.6	68.1	68.1	83.0	85.9	85.3	82.5	88.3	89.9	92.9	91.8
20°	129.4	130.0	122.1	96.4	91.5	114.9	92.3	92.0	109.9	126.1	126.7
22.5°	144.4	145.5	141.8	142.9	120.0	118.7	115.8	121.6	128.5	131.6	130.8
25°	195.9	182.4	158.0	147.2	145.3	121.4	136.7	125.5	126.4	128.1	129.3
27.5°	237.4	235.7	219.8	179.7	145.3	147.2	131.6	129.4	143.9	145.3	145.5
30°	257.1	252.8	234.9	189.0	159.4	141.0	128.3	138.3	136.3	137.6	137.6
32.5°	342.7	340.7	301.7	194.0	154.4	130.4	131.4	131.2	143.5	147.7	146.8
35°	365.7	362.0	304.3	220.4	146.6	131.6	123.7	133.0	133.0	134.7	134.2
37.5°	394.3	388.2	308.6	211.0	151.4	123.7	121.1	123.7	130.4	132.4	131.2
40°	433.5	419.9	305.1	195.4	141.3	122.4	116.5	121.4	120.8	118.4	117.3
42.5°	474.6	458.2	305.2	181.1	133.3	120.8	115.2	114.2	112.6	108.9	108.2
45°	527.8	495.7	308.8	170.9	126.7	120.0	113.6	109.4	107.2	103.3	102.6
47.5°	588.5	535.7	307.7	162.9	120.0	117.0	109.4	105.3	104.1	98.9	98.1
50°	649.7	574.6	308.6	151.9	112.2	113.9	108.2	102.3	100.3	94.2	94.1
52.5°	721.1	615.1	302.4	136.0	103.3	109.9	108.9	103.1	103.1	94.2	93.6
55°	791.8	664.7	297.1	119.1	97.3	106.4	110.3	108.2	107.6	95.4	94.7
57.5°	861.6	707.3	280.1	104.6	93.6	103.6	113.6	111.5	110.0	100.3	98.1
60°	936.9	763.3	247.9	93.1	91.4	101.1	114.7	114.4	106.2	105.3	104.1
62.5°	993.4	795.5	206.5	85.3	88.3	100.5	114.2	114.2	107.2	107.0	106.4
65°	1020.4	799.8	156.1	79.4	85.1	99.3	112.5	117.0	111.5	112.2	111.3
67.5°	1006.6	768.8	117.5	74.1	82.3	98.4	112.6	120.4	115.3	122.8	121.6
70°	934.4	689.2	96.7	70.4	81.2	96.7	116.2	121.4	117.9	130.0	128.5
71°	882.0	637.8	90.2	68.4	81.2	95.7	116.8	121.6	117.5	130.8	129.4
72.5°	793.1	547.4	83.3	65.2	80.8	95.2	116.8	121.4	118.9	133.8	131.6
75°	597.6	375.8	74.6	63.5	80.3	93.8	114.4	119.1	117.0	128.3	127.7
77.5°	382.9	219.6	66.7	63.3	78.4	93.1	111.3	114.9	111.0	120.6	120.2
80°	210.8	126.1	59.2	59.2	74.6	91.4	106.4	107.2	103.3	110.9	107.6
82.5°	125.1	89.4	49.1	52.0	69.1	86.7	101.1	97.8	93.8	107.4	91.4
85°	84.4	69.6	33.7	40.1	62.2	75.3	90.2	84.9	78.0	78.4	74.7
87.5°	70.0	55.3	17.7	26.1	48.1	55.2	67.0	61.7	54.4	53.4	50.3
90°	69.6	54.0	14.2	23.4	38.5	42.7	51.8	46.7	42.7	44.3	42.0
92.5°	70.0	53.4	14.6	20.1	31.7	32.1	42.4	40.6	36.9	37.6	35.3
95°	56.1	42.0	14.2	16.1	18.0	17.0	26.1	26.1	22.5	21.3	19.9
97.5°	23.4	20.9	13.1	12.9	12.7	9.3	15.1	17.2	11.8	7.9	6.9
100°	3.7	6.0	11.0	12.2	8.9	5.5	9.6	11.0	6.3	1.2	1.0
102.5°	3.7	3.1	4.5	9.2	5.3	1.4	3.9	6.3	3.1	0.7	1.0
105°	3.9	3.1	1.9	4.9	1.2	0.4	0.2	1.6	0.4	0.7	0.7
107.5°	3.7	2.9	1.2	1.0	0.7	0.2	0.0	0.0	0.0	0.7	1.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	1.9	1.6	1.2	0.7	0.4	0.2	0.0	0.0	0.0	0.7	1.0
112.5°	1.2	1.4	1.0	0.7	0.2	0.2	0.0	0.0	0.0	1.0	1.2
115°	1.4	1.4	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.0	1.2
117.5°	1.4	1.4	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.0	1.2
120°	1.4	1.4	1.0	0.4	0.2	0.0	0.0	0.0	0.0	1.0	1.2
122.5°	1.4	1.4	1.0	0.4	0.2	0.0	0.0	0.0	0.0	0.7	1.0
125°	1.2	1.2	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.7	1.0
127.5°	1.2	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.7
130°	1.2	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
132.5°	1.0	1.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.2	0.2	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)