

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: P694816

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3288 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

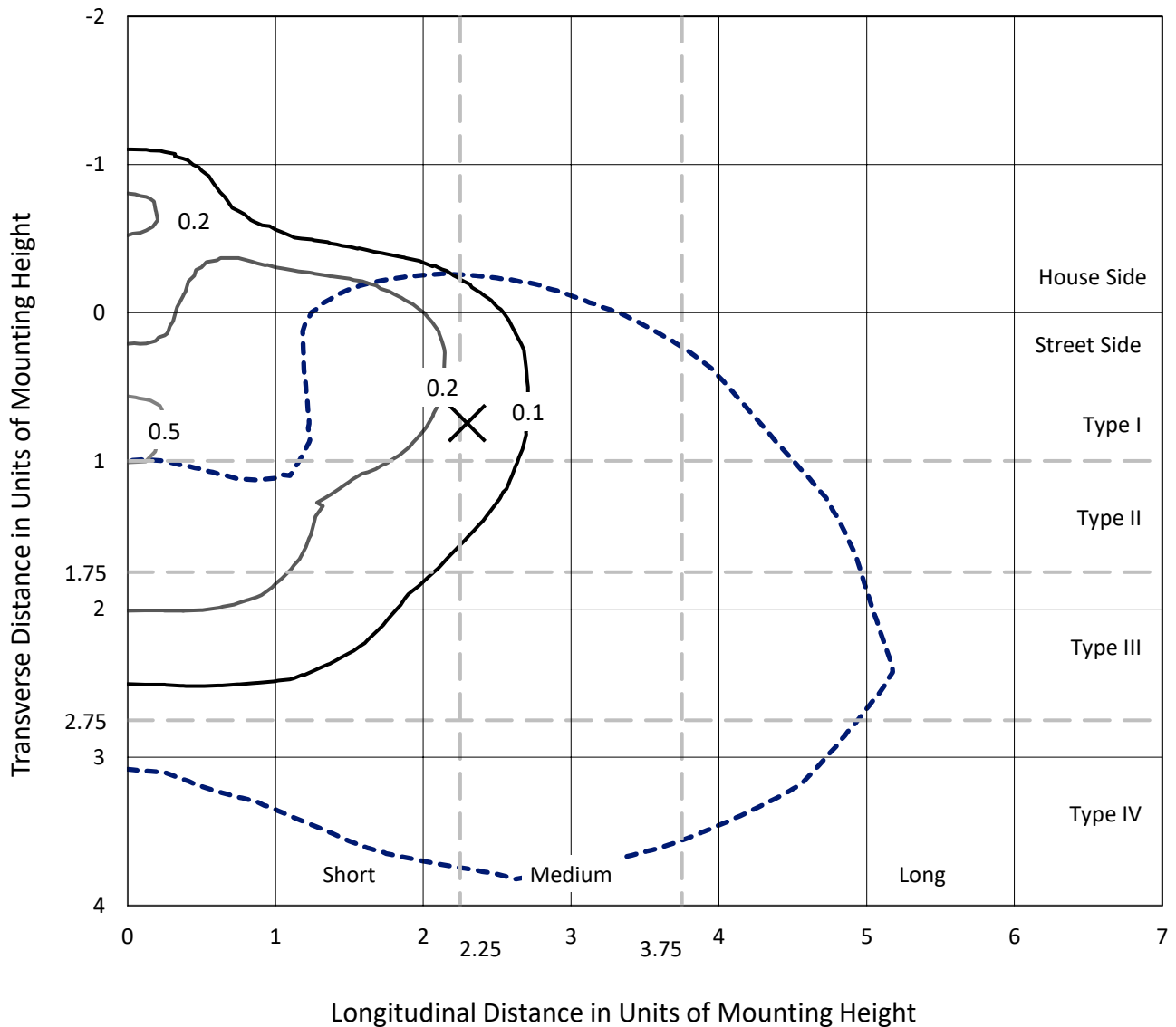
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

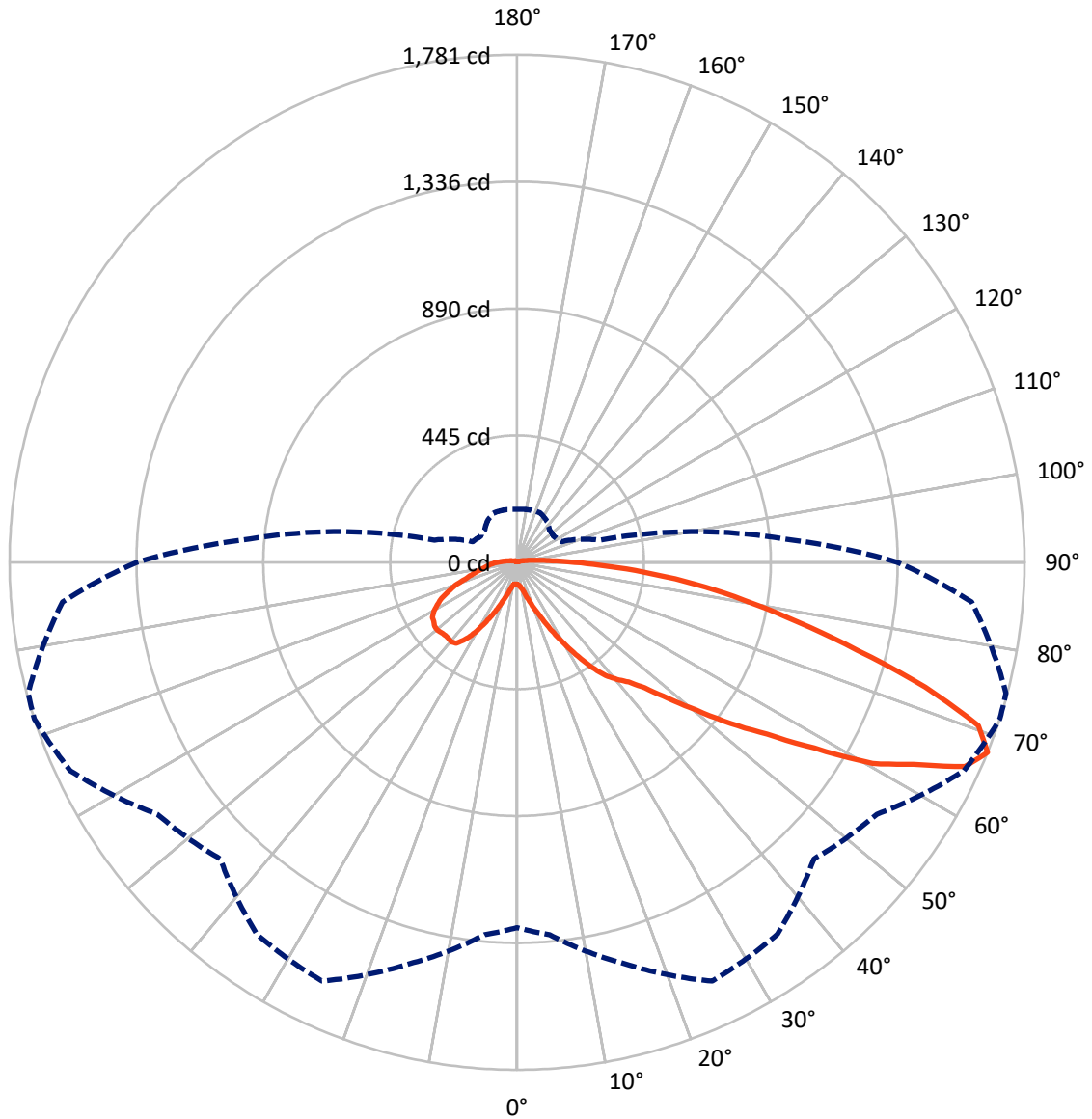
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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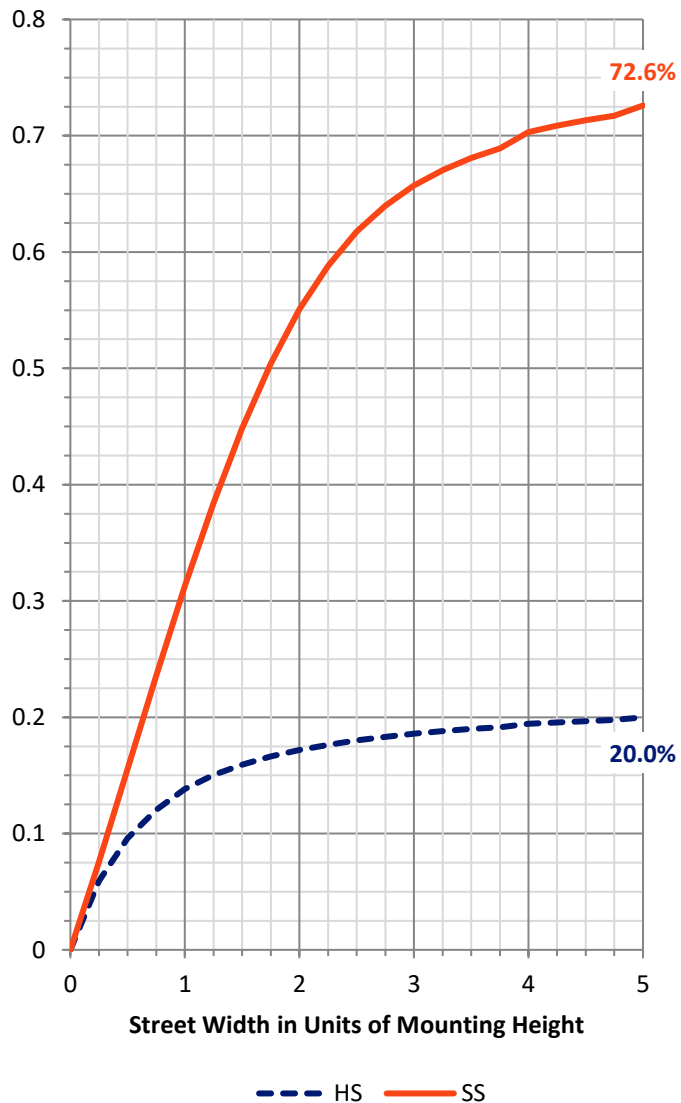
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	693.9	59.7	753.6
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	2470.9	63.5	2534.4
	% Fixture	75.1	1.9	77.1
Total	Lumens	3164.8	123.2	3288.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.2
10°-20°	34.1	1.0
20°-30°	103.2	3.1
30°-40°	232.3	7.1
40°-50°	372.9	11.3
50°-60°	604.4	18.4
60°-70°	881.6	26.8
70°-80°	660.9	20.1
80°-90°	267.5	8.1
90°-100°	74.3	2.3
100°-110°	24.4	0.7
110°-120°	11.2	0.3
120°-130°	6.8	0.2
130°-140°	4.3	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3164.8	96.3
0°-180°	3288.0	100.0

Coefficient of Utilization

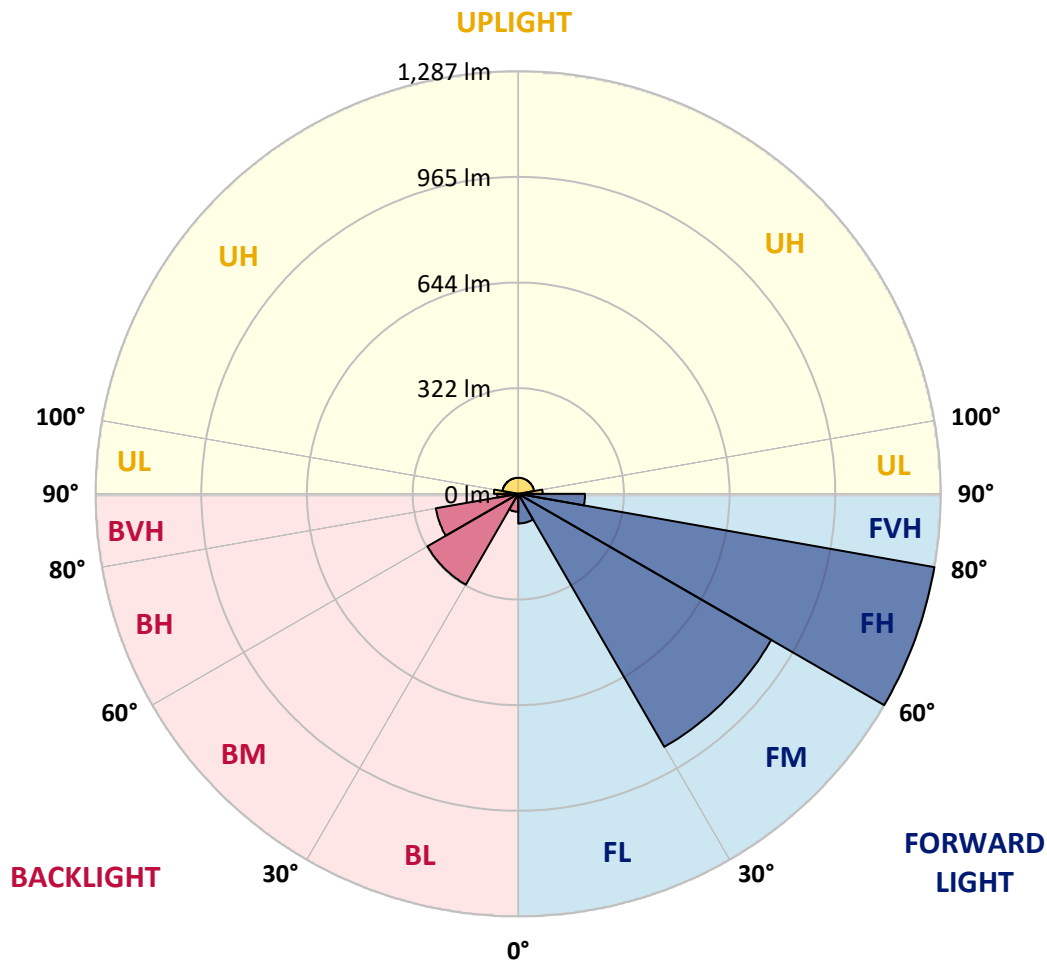


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.4	2.7			
FM (30°-60°)	890.0	27.1			
FH (60°-80°)	1287.3	39.2			G1/1800
FVH (80°-90°)	203.1	6.2			G2/225
BL (0°-30°)	54.7	1.7	B0/110		
BM (30°-60°)	319.6	9.7	B1/1000		
BH (60°-80°)	255.2	7.8	B1/500		G1/500
BVH (80°-90°)	64.4	2.0			G1/100
UL (90°-100°)	74.3	2.3		U3/500	
UH (100°-180°)	48.9	1.5		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	81.5	81.5	81.5	81.5	81.5	81.5	81.5	80.4	79.2	79.2	78.0
5°	88.6	88.6	88.6	88.6	88.6	87.4	85.1	83.9	82.7	81.5	80.4
7.5°	99.3	98.1	98.1	96.9	95.7	94.5	92.2	89.8	87.4	86.3	83.9
10°	112.3	112.3	111.1	108.7	107.5	102.8	100.4	96.9	94.5	93.4	89.8
12.5°	135.9	133.5	132.4	128.8	122.9	117.0	112.3	108.7	106.4	106.4	101.6
15°	163.1	161.9	159.5	150.1	143.0	134.7	128.8	126.4	125.3	122.9	119.4
17.5°	196.2	196.2	191.4	178.4	166.6	158.4	151.3	147.7	146.5	146.5	143.0
20°	238.7	238.7	229.3	210.3	196.2	185.5	177.3	172.5	172.5	171.4	169.0
22.5°	288.3	290.7	276.5	251.7	228.1	212.7	203.3	202.1	202.1	206.8	204.4
25°	346.2	346.2	328.5	296.6	269.4	242.3	235.2	239.9	243.4	248.2	249.3
27.5°	420.7	418.3	388.8	348.6	306.1	276.5	268.3	277.7	288.3	291.9	299.0
30°	505.8	502.2	465.6	408.9	351.0	307.2	303.7	321.4	340.3	343.9	353.3
32.5°	577.9	580.2	538.9	476.2	397.1	345.1	341.5	369.9	393.5	401.8	419.5
35°	665.3	666.5	616.9	537.7	442.0	380.5	379.3	418.3	452.6	463.2	482.1
37.5°	701.9	709.0	671.2	590.9	486.9	418.3	416.0	464.4	503.4	515.2	536.5
40°	739.8	744.5	705.5	629.9	523.5	451.4	452.6	504.6	540.0	554.2	566.0
42.5°	817.8	820.1	766.9	671.2	554.2	485.7	486.9	534.1	574.3	592.0	613.3
45°	887.5	898.1	846.1	736.2	595.6	515.2	517.6	582.6	627.5	652.3	678.3
47.5°	986.7	986.7	944.2	822.5	657.0	555.4	568.4	651.1	712.6	733.9	771.7
50°	1075.4	1076.6	1044.6	915.8	725.6	611.0	634.6	737.4	815.4	840.2	891.0
52.5°	1148.6	1149.8	1127.4	1023.4	818.9	684.2	711.4	852.0	939.5	970.2	1015.1
55°	1239.6	1233.7	1219.5	1130.9	925.3	778.8	818.9	973.7	1064.7	1106.1	1160.5
57.5°	1336.5	1329.4	1335.4	1247.9	1047.0	895.7	937.1	1103.7	1230.2	1283.4	1346.0
60°	1389.7	1392.1	1437.0	1401.5	1194.7	1041.1	1087.2	1302.3	1433.4	1474.8	1489.0
62.5°	1415.7	1418.1	1494.9	1518.5	1369.6	1193.5	1258.5	1466.5	1561.1	1613.1	1602.4
65°	1408.6	1418.1	1541.0	1606.0	1516.2	1357.8	1427.5	1621.3	1727.7	1754.9	1672.1
67.5°	1282.2	1311.7	1458.3	1621.3	1593.0	1472.4	1541.0	1730.0	1780.9	1776.1	1601.2
70°	1086.0	1094.3	1270.4	1506.7	1570.5	1467.7	1551.6	1707.6	1717.0	1692.2	1444.1
72.5°	835.5	855.6	1015.1	1271.5	1414.5	1362.5	1433.4	1556.3	1498.4	1435.8	1165.2
75°	613.3	605.0	738.6	987.9	1171.1	1178.2	1247.9	1320.0	1233.7	1182.9	951.3
77.5°	416.0	436.1	531.8	731.5	920.6	984.4	1054.1	1063.6	1006.8	965.5	727.9
80°	284.8	288.3	360.4	534.1	718.5	808.3	869.8	891.0	809.5	762.2	549.5
82.5°	163.1	166.6	228.1	384.1	563.7	667.7	730.3	724.4	631.0	583.8	381.7
85°	91.0	92.2	132.4	237.5	424.2	534.1	588.5	541.2	447.9	404.2	250.5
87.5°	54.4	56.7	79.2	152.4	288.3	413.6	440.8	377.0	289.5	257.6	165.4
90°	34.3	36.6	48.5	89.8	185.5	290.7	299.0	237.5	179.6	161.9	112.3
92.5°	22.5	23.6	31.9	55.5	114.6	183.2	191.4	143.0	111.1	99.3	76.8
95°	17.7	17.7	22.5	37.8	70.9	107.5	115.8	86.3	72.1	65.0	53.2
97.5°	14.2	14.2	17.7	27.2	48.5	67.4	69.7	56.7	48.5	47.3	40.2
100°	11.8	13.0	15.4	21.3	34.3	44.9	44.9	39.0	35.5	35.5	31.9
102.5°	10.6	10.6	13.0	17.7	27.2	34.3	33.1	29.5	27.2	27.2	26.0
105°	10.6	9.5	11.8	14.2	21.3	26.0	24.8	22.5	21.3	20.1	20.1
107.5°	9.5	8.3	9.5	11.8	17.7	21.3	20.1	17.7	16.5	15.4	16.5
110°	8.3	8.3	8.3	10.6	14.2	17.7	16.5	14.2	13.0	13.0	13.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.1	7.1	7.1	9.5	11.8	14.2	14.2	11.8	10.6	9.5	10.6
115°	7.1	7.1	7.1	8.3	10.6	13.0	11.8	9.5	8.3	8.3	9.5
117.5°	5.9	5.9	5.9	8.3	9.5	10.6	10.6	8.3	7.1	7.1	8.3
120°	5.9	5.9	5.9	7.1	9.5	9.5	9.5	7.1	7.1	7.1	8.3
122.5°	5.9	5.9	5.9	7.1	8.3	9.5	8.3	7.1	5.9	5.9	7.1
125°	5.9	5.9	5.9	7.1	8.3	8.3	7.1	5.9	5.9	5.9	7.1
127.5°	5.9	5.9	5.9	7.1	7.1	7.1	7.1	5.9	5.9	5.9	7.1
130°	5.9	5.9	5.9	5.9	7.1	7.1	5.9	5.9	5.9	5.9	5.9
132.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.7	5.9	5.9	5.9
135°	5.9	5.9	5.9	5.9	5.9	5.9	4.7	4.7	4.7	4.7	5.9
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9
140°	4.7	4.7	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	4.7
142.5°	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5
147.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	78.0	78.0	76.8	75.6	75.6	75.6	75.6	75.6	74.4	74.4	74.4
5°	79.2	78.0	76.8	75.6	74.4	73.3	72.1	72.1	70.9	70.9	70.9
7.5°	82.7	81.5	78.0	75.6	73.3	72.1	70.9	69.7	68.5	67.4	67.4
10°	88.6	86.3	81.5	78.0	74.4	72.1	69.7	68.5	67.4	67.4	66.2
12.5°	99.3	96.9	89.8	83.9	78.0	74.4	70.9	69.7	69.7	69.7	70.9
15°	117.0	113.4	104.0	95.7	86.3	79.2	76.8	78.0	79.2	80.4	80.4
17.5°	139.4	134.7	124.1	109.9	96.9	88.6	87.4	88.6	91.0	93.4	93.4
20°	165.4	159.5	143.0	126.4	109.9	102.8	99.3	101.6	105.2	109.9	108.7
22.5°	202.1	192.6	172.5	145.4	126.4	117.0	112.3	115.8	122.9	127.6	127.6
25°	243.4	231.6	205.6	169.0	143.0	128.8	126.4	132.4	145.4	152.4	152.4
27.5°	290.7	276.5	241.1	193.8	160.7	141.8	139.4	152.4	169.0	182.0	180.8
30°	346.2	329.7	283.6	219.8	177.3	152.4	154.8	172.5	195.0	210.3	210.3
32.5°	410.1	384.1	325.0	248.2	190.3	161.9	166.6	190.3	217.4	232.8	235.2
35°	470.3	439.6	359.2	269.4	200.9	170.2	176.1	206.8	238.7	257.6	257.6
37.5°	522.3	489.2	386.4	283.6	205.6	174.9	184.3	219.8	250.5	269.4	269.4
40°	547.1	508.1	394.7	286.0	206.8	177.3	189.1	225.7	255.3	270.6	269.4
42.5°	592.0	540.0	395.9	273.0	203.3	178.4	191.4	223.3	245.8	252.9	251.7
45°	652.3	585.0	401.8	261.2	195.0	176.1	189.1	215.1	228.1	229.3	226.9
47.5°	730.3	649.9	410.1	250.5	187.9	172.5	183.2	203.3	210.3	206.8	205.6
50°	837.8	724.4	421.9	238.7	183.2	166.6	177.3	195.0	199.7	192.6	191.4
52.5°	943.0	798.8	426.6	226.9	178.4	163.1	173.7	191.4	192.6	180.8	179.6
55°	1070.6	879.2	420.7	213.9	176.1	161.9	173.7	189.1	184.3	172.5	170.2
57.5°	1230.2	982.0	419.5	202.1	171.4	161.9	174.9	186.7	183.2	174.9	173.7
60°	1329.4	1025.7	400.6	195.0	167.8	164.3	177.3	190.3	185.5	176.1	174.9
62.5°	1400.3	1044.6	372.2	186.7	165.4	164.3	180.8	191.4	184.3	177.3	176.1
65°	1420.4	1025.7	342.7	178.4	161.9	164.3	182.0	190.3	186.7	182.0	182.0
67.5°	1335.4	940.7	300.2	171.4	157.2	160.7	179.6	191.4	189.1	186.7	185.5
70°	1180.5	820.1	261.2	161.9	148.9	154.8	176.1	191.4	191.4	190.3	190.3
72.5°	941.8	633.4	210.3	151.3	139.4	147.7	171.4	187.9	186.7	185.5	184.3
75°	755.1	499.9	178.4	137.1	130.0	138.3	164.3	180.8	178.4	178.4	177.3
77.5°	568.4	378.2	151.3	124.1	118.2	130.0	153.6	169.0	167.8	166.6	164.3
80°	411.2	280.1	128.8	112.3	108.7	119.4	140.6	153.6	153.6	153.6	152.4
82.5°	297.8	206.8	112.3	101.6	99.3	108.7	126.4	137.1	141.8	145.4	143.0
85°	196.2	145.4	99.3	92.2	92.2	100.4	114.6	124.1	131.2	134.7	133.5
87.5°	133.5	111.1	87.4	81.5	83.9	92.2	105.2	112.3	118.2	121.7	120.5
90°	94.5	86.3	74.4	69.7	72.1	82.7	94.5	100.4	102.8	104.0	102.8
92.5°	67.4	63.8	59.1	56.7	60.3	72.1	82.7	85.1	85.1	83.9	81.5
95°	50.8	48.5	47.3	44.9	49.6	60.3	68.5	68.5	68.5	65.0	65.0
97.5°	39.0	39.0	39.0	36.6	40.2	48.5	54.4	53.2	53.2	50.8	50.8
100°	31.9	31.9	31.9	30.7	33.1	39.0	41.4	41.4	42.5	41.4	41.4
102.5°	26.0	26.0	26.0	26.0	27.2	31.9	34.3	33.1	34.3	34.3	34.3
105°	21.3	21.3	22.5	21.3	23.6	27.2	27.2	27.2	28.4	26.0	27.2
107.5°	16.5	17.7	17.7	17.7	20.1	22.5	23.6	22.5	22.5	21.3	21.3
110°	14.2	15.4	15.4	15.4	16.5	18.9	20.1	18.9	17.7	17.7	17.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	13.0	13.0	13.0	14.2	16.5	16.5	15.4	14.2	14.2	14.2
115°	10.6	10.6	11.8	11.8	13.0	14.2	14.2	13.0	11.8	13.0	13.0
117.5°	9.5	9.5	10.6	10.6	10.6	11.8	11.8	10.6	10.6	11.8	11.8
120°	8.3	9.5	9.5	9.5	9.5	10.6	10.6	9.5	9.5	10.6	10.6
122.5°	8.3	8.3	8.3	8.3	9.5	9.5	9.5	8.3	8.3	9.5	9.5
125°	7.1	8.3	8.3	8.3	8.3	8.3	8.3	7.1	8.3	8.3	9.5
127.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	8.3	8.3
130°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	7.1	7.1	7.1
132.5°	7.1	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1
135°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1
137.5°	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9
140°	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
145°	3.5	3.5	3.5	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	1.2	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	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)