

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: P694958

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694958  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-827-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2716 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G2

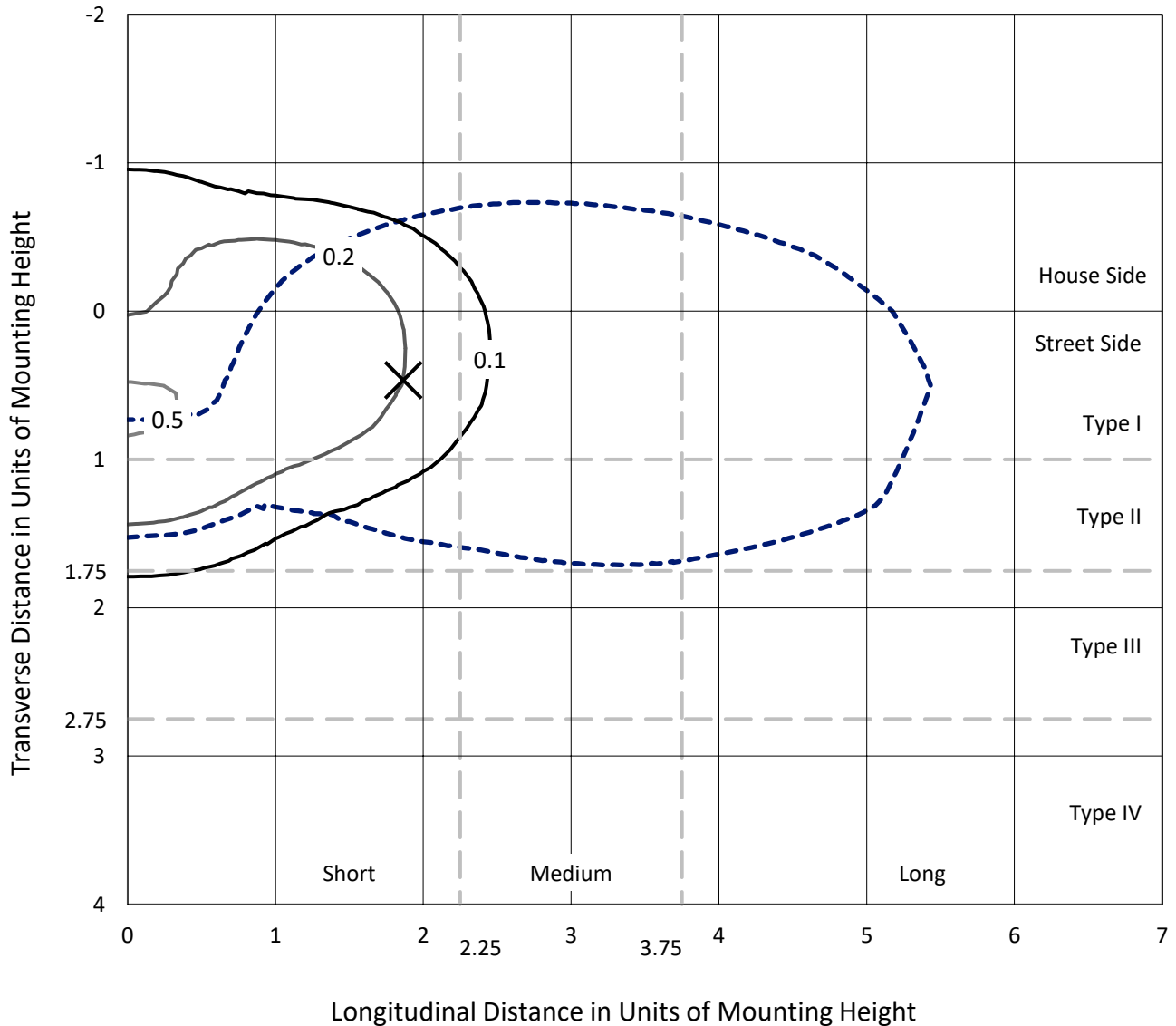
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

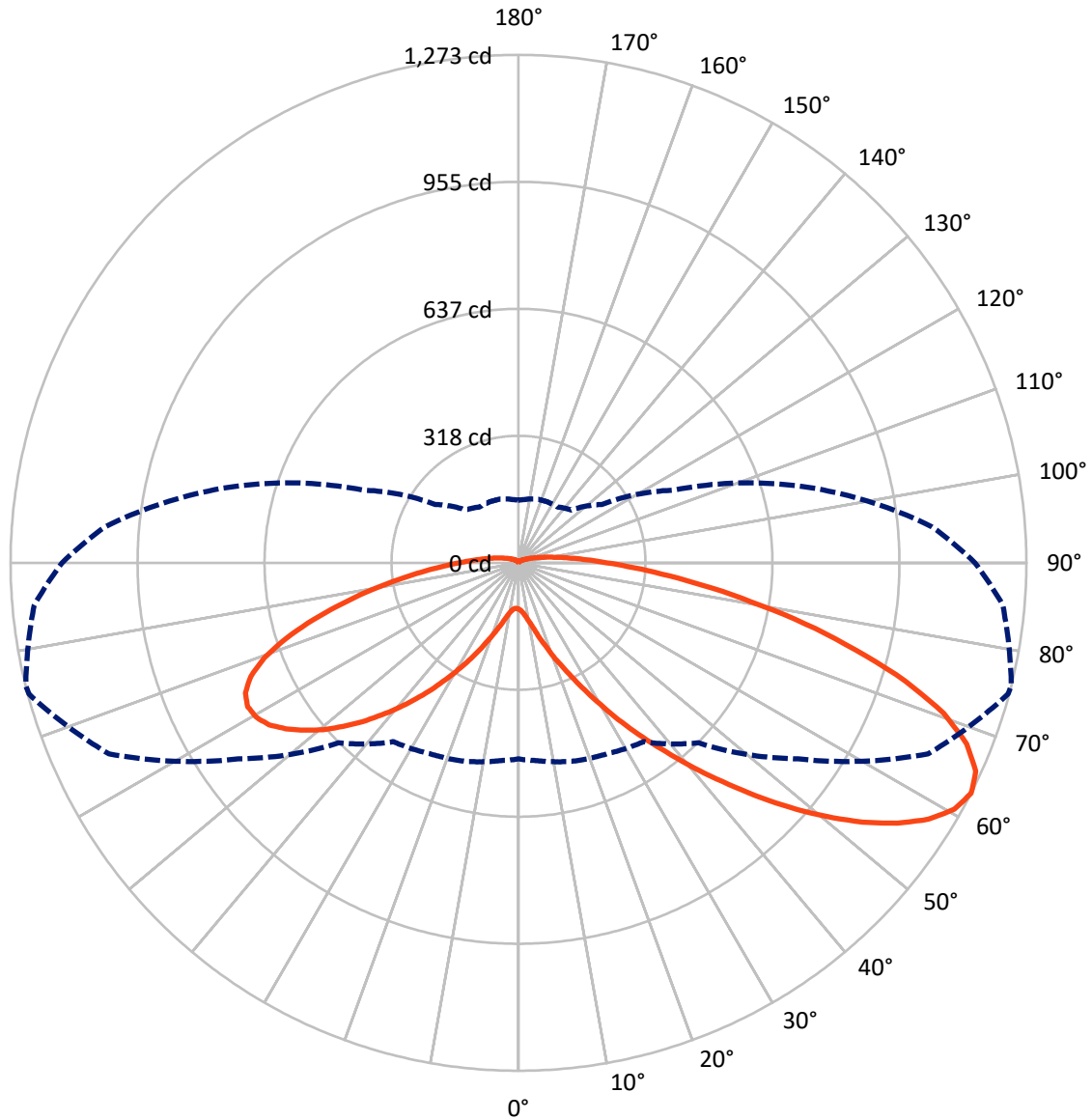
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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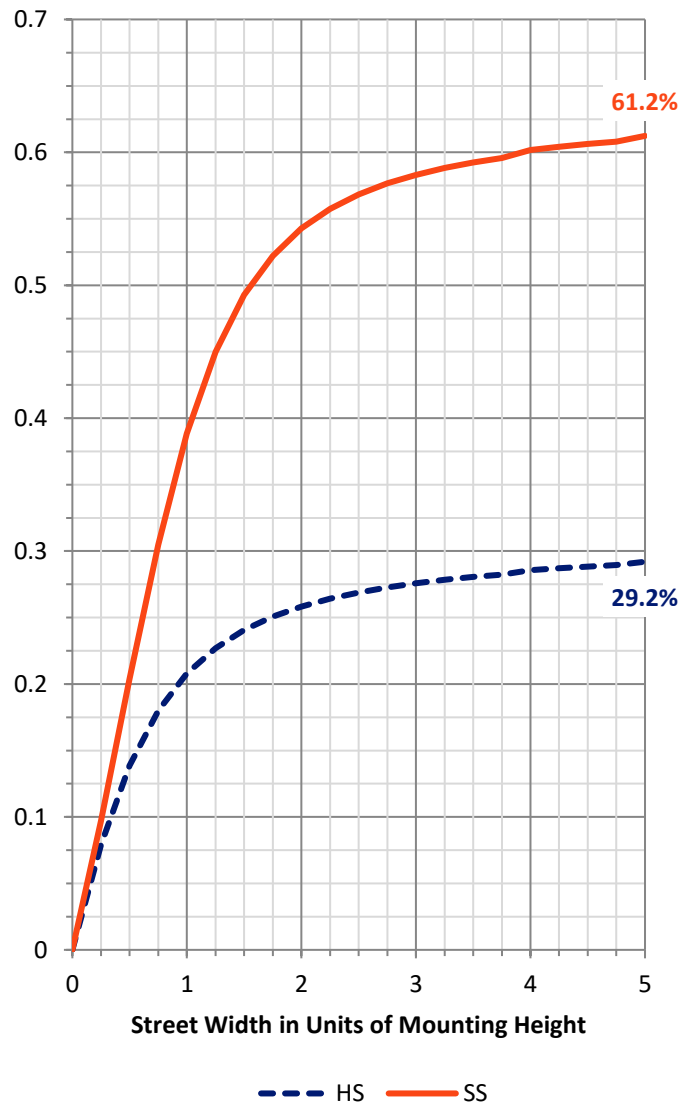
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	826.3	81.2	907.4
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	1709.2	99.4	1808.6
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	2535.5	180.5	2716.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.1	0.4
10°-20°	50.0	1.8
20°-30°	127.6	4.7
30°-40°	255.0	9.4
40°-50°	412.1	15.2
50°-60°	539.0	19.8
60°-70°	546.8	20.1
70°-80°	393.2	14.5
80°-90°	199.6	7.4
90°-100°	90.3	3.3
100°-110°	44.3	1.6
110°-120°	23.7	0.9
120°-130°	13.1	0.5
130°-140°	6.6	0.2
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2535.5	93.4
0°-180°	2716.0	100.0

**Coefficient of Utilization**

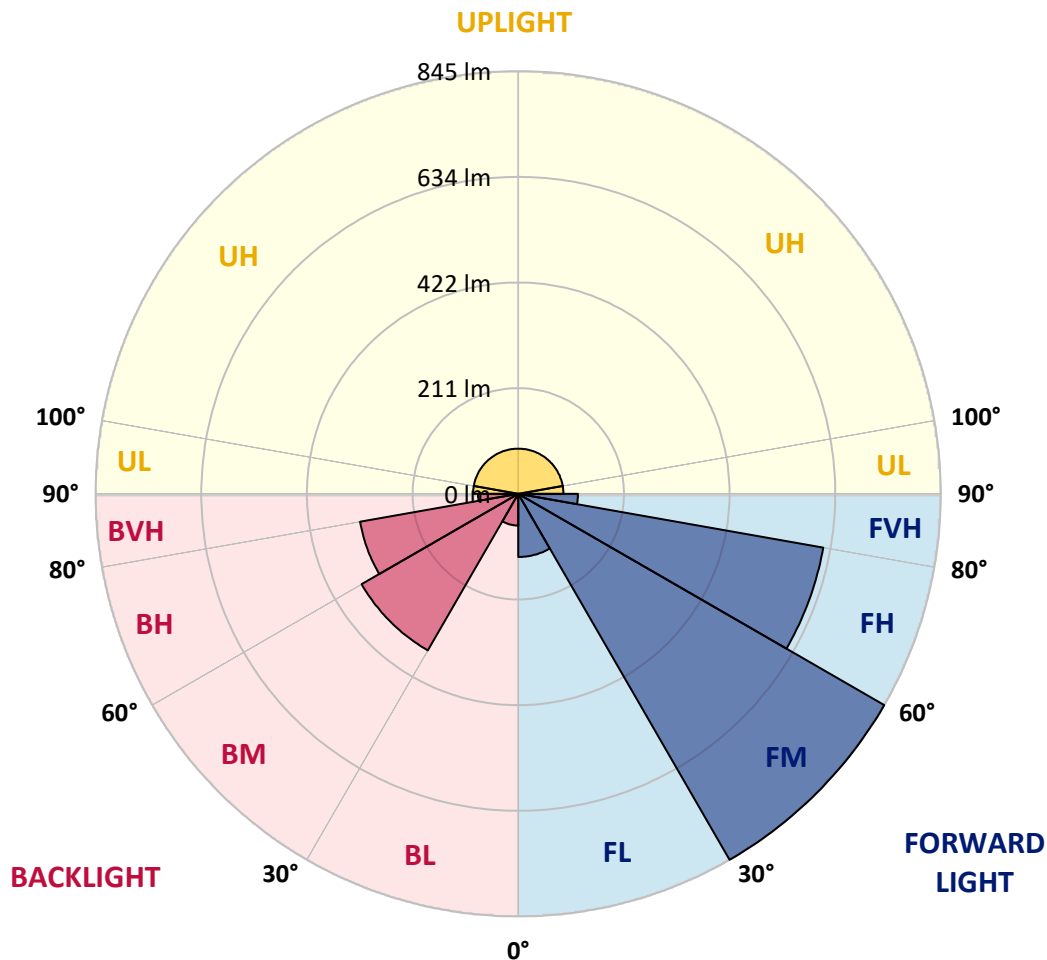


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.3	4.6			
FM (30°-60°)	844.7	31.1			
FH (60°-80°)	619.0	22.8			G0/660
FVH (80°-90°)	119.2	4.4			G2/225
BL (0°-30°)	63.4	2.3	B0/110		
BM (30°-60°)	361.4	13.3	B1/1000		
BH (60°-80°)	321.0	11.8	B1/500		G1/500
BVH (80°-90°)	80.4	3.0			G1/100
UL (90°-100°)	90.3	3.3		U3/500	
UH (100°-180°)	90.3	3.3		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
2.5°	129.8	128.8	128.8	127.8	126.8	125.9	123.9	122.0	120.0	120.0	118.1
5°	147.3	146.3	146.3	144.4	142.4	138.5	135.6	131.7	127.8	126.8	122.9
7.5°	166.8	167.8	166.8	163.9	161.0	156.1	150.2	144.4	137.6	136.6	130.7
10°	191.2	192.2	189.3	185.4	182.4	177.6	168.8	161.0	152.2	151.2	143.4
12.5°	220.5	218.5	218.5	213.7	207.8	199.0	189.3	180.5	169.8	167.8	159.0
15°	249.8	253.7	250.7	243.9	235.1	226.3	216.6	205.9	195.1	193.2	180.5
17.5°	283.9	288.8	284.9	277.1	268.3	256.6	247.8	234.1	221.5	218.5	203.9
20°	326.8	326.8	322.0	312.2	302.4	293.7	281.0	266.3	251.7	250.7	231.2
22.5°	369.8	367.8	362.9	352.2	340.5	330.7	316.1	302.4	287.8	282.9	266.3
25°	417.6	415.6	406.8	392.2	382.4	368.8	357.1	343.4	327.8	322.9	304.4
27.5°	466.3	464.4	453.7	440.0	424.4	410.7	399.0	388.3	368.8	368.8	347.3
30°	517.1	514.2	501.5	486.8	467.3	453.7	446.8	436.1	422.4	419.5	393.2
32.5°	564.9	565.9	553.2	532.7	512.2	498.5	495.6	492.7	478.1	477.1	448.8
35°	614.6	612.7	599.0	578.5	557.1	544.4	545.4	551.2	538.5	536.6	502.4
37.5°	659.5	659.5	644.9	619.5	596.1	586.3	600.0	615.6	606.8	601.0	565.9
40°	700.5	697.6	684.9	658.5	632.2	631.2	655.6	679.0	676.1	674.2	631.2
42.5°	730.7	726.8	715.1	687.8	664.4	669.3	709.3	754.2	753.2	749.3	703.4
45°	747.3	745.4	734.6	709.3	686.8	705.4	763.9	824.4	835.1	832.2	776.6
47.5°	750.3	749.3	740.5	718.1	701.5	731.7	817.6	898.5	915.1	916.1	852.7
50°	738.5	738.5	732.7	715.1	705.4	750.3	859.5	974.6	998.1	999.0	929.8
52.5°	710.3	710.3	710.3	698.5	696.6	756.1	894.6	1035.1	1081.0	1080.0	1009.8
55°	670.3	669.3	673.2	671.2	674.2	746.4	911.2	1091.7	1155.1	1152.2	1082.9
57.5°	620.5	617.6	627.3	631.2	640.0	722.9	914.2	1129.8	1214.7	1212.7	1142.5
60°	556.1	558.1	572.7	579.5	595.1	685.9	894.6	1143.4	1254.7	1254.7	1192.2
62.5°	491.7	497.6	515.1	527.8	547.3	638.1	856.6	1132.7	1270.3	1273.2	1218.6
65°	429.3	437.1	456.6	470.3	494.6	579.5	794.2	1090.7	1254.7	1259.5	1220.5
67.5°	372.7	374.6	396.1	411.7	437.1	517.1	722.9	1019.5	1202.9	1211.7	1189.3
70°	318.1	321.0	342.4	360.0	382.4	451.7	638.1	914.2	1116.1	1130.7	1120.0
72.5°	265.4	270.2	288.8	309.3	330.7	391.2	547.3	807.8	999.0	1014.6	1020.5
75°	223.4	228.3	246.8	266.3	285.9	334.6	466.3	683.9	864.4	873.2	901.5
77.5°	185.4	191.2	206.8	226.3	243.9	284.9	386.3	563.9	726.8	733.7	758.1
80°	155.1	160.0	172.7	191.2	204.9	239.0	316.1	456.6	582.4	591.2	612.7
82.5°	128.8	130.7	144.4	160.0	174.6	202.0	258.5	362.9	456.6	466.3	495.6
85°	108.3	109.3	121.0	133.7	147.3	167.8	210.7	283.9	352.2	359.0	380.5
87.5°	87.8	89.8	101.5	113.2	123.9	141.5	170.7	223.4	271.2	274.2	288.8
90°	73.2	75.1	84.9	95.6	106.3	118.1	140.5	172.7	206.8	208.8	217.6
92.5°	61.5	62.4	71.2	82.0	91.7	101.5	115.1	136.6	161.0	162.9	166.8
95°	51.7	52.7	60.5	69.3	78.0	85.9	96.6	110.2	124.9	125.9	129.8
97.5°	44.9	44.9	51.7	59.5	67.3	73.2	80.0	89.8	98.5	97.6	98.5
100°	38.0	38.0	43.9	51.7	58.5	63.4	67.3	72.2	76.1	77.1	77.1
102.5°	33.2	33.2	38.0	45.9	51.7	55.6	58.5	59.5	61.5	61.5	60.5
105°	28.3	29.3	33.2	40.0	44.9	48.8	49.8	49.8	48.8	48.8	48.8
107.5°	25.4	25.4	29.3	35.1	40.0	42.9	43.9	42.0	40.0	39.0	39.0
110°	23.4	23.4	26.3	31.2	36.1	38.0	38.0	35.1	32.2	33.2	32.2

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	20.5	21.5	23.4	28.3	32.2	34.1	33.2	30.2	27.3	26.3	26.3
115°	19.5	19.5	21.5	25.4	29.3	30.2	29.3	26.3	22.4	22.4	22.4
117.5°	17.6	17.6	19.5	22.4	25.4	27.3	25.4	22.4	18.5	18.5	18.5
120°	16.6	16.6	17.6	20.5	23.4	24.4	22.4	19.5	15.6	15.6	16.6
122.5°	15.6	15.6	16.6	18.5	20.5	21.5	20.5	16.6	13.7	13.7	14.6
125°	14.6	14.6	14.6	16.6	18.5	19.5	17.6	14.6	11.7	11.7	12.7
127.5°	13.7	13.7	13.7	14.6	16.6	16.6	15.6	12.7	10.7	10.7	11.7
130°	12.7	12.7	12.7	13.7	14.6	14.6	12.7	10.7	9.8	9.8	9.8
132.5°	11.7	11.7	11.7	11.7	12.7	12.7	10.7	8.8	7.8	8.8	8.8
135°	10.7	10.7	10.7	10.7	10.7	10.7	8.8	6.8	6.8	6.8	7.8
137.5°	9.8	9.8	9.8	8.8	8.8	8.8	6.8	5.9	5.9	5.9	6.8
140°	8.8	8.8	8.8	7.8	6.8	6.8	4.9	4.9	4.9	4.9	5.9
142.5°	7.8	7.8	7.8	6.8	5.9	4.9	3.9	3.9	3.9	3.9	4.9
145°	6.8	6.8	5.9	5.9	3.9	2.9	2.9	2.9	2.9	3.9	3.9
147.5°	5.9	5.9	4.9	3.9	2.9	2.0	1.0	2.0	2.0	2.0	2.9
150°	3.9	3.9	3.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0
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°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
2.5°	117.1	116.1	114.1	112.2	110.2	109.3	108.3	107.3	107.3	107.3	107.3
5°	121.0	118.1	114.1	110.2	106.3	103.4	100.5	98.5	97.6	96.6	96.6
7.5°	127.8	123.9	117.1	111.2	105.4	99.5	95.6	92.7	90.7	89.8	89.8
10°	137.6	132.7	123.9	115.1	106.3	99.5	93.7	89.8	86.8	85.9	84.9
12.5°	153.2	147.3	134.6	122.0	111.2	101.5	94.6	88.8	85.9	84.9	84.9
15°	173.7	165.9	149.3	133.7	119.0	106.3	98.5	94.6	92.7	90.7	90.7
17.5°	195.1	186.3	167.8	148.3	130.7	116.1	107.3	103.4	99.5	98.5	98.5
20°	223.4	211.7	188.3	164.9	144.4	129.8	119.0	111.2	107.3	106.3	106.3
22.5°	253.7	239.0	212.7	183.4	161.0	142.4	129.8	120.0	116.1	114.1	114.1
25°	287.8	274.2	240.0	204.9	179.5	157.1	140.5	129.8	124.9	123.9	123.9
27.5°	328.8	312.2	270.2	230.2	197.1	169.8	151.2	138.5	133.7	132.7	132.7
30°	376.6	353.2	303.4	257.6	215.6	181.5	159.0	147.3	141.5	141.5	141.5
32.5°	421.5	397.1	339.5	284.9	232.2	191.2	166.8	155.1	149.3	149.3	149.3
35°	476.1	447.8	378.5	311.2	246.8	200.0	172.7	161.0	156.1	155.1	155.1
37.5°	536.6	500.5	417.6	335.6	260.5	205.9	177.6	165.9	161.0	160.0	160.0
40°	597.1	555.1	460.5	361.0	270.2	209.8	180.5	169.8	164.9	162.9	162.9
42.5°	661.5	613.7	501.5	384.4	279.0	211.7	181.5	172.7	167.8	164.9	164.9
45°	730.7	674.2	545.4	402.9	284.9	212.7	182.4	173.7	169.8	165.9	165.9
47.5°	804.9	738.5	585.4	420.5	286.8	211.7	182.4	174.6	169.8	165.9	164.9
50°	872.2	801.0	626.4	434.2	286.8	209.8	182.4	175.6	170.7	164.9	164.9
52.5°	943.4	862.5	661.5	442.9	284.9	206.8	181.5	174.6	170.7	163.9	163.9
55°	1013.7	921.0	693.7	447.8	280.0	202.9	179.5	174.6	169.8	162.9	162.0
57.5°	1070.3	974.6	720.0	447.8	273.2	198.1	176.6	173.7	168.8	162.0	161.0
60°	1116.1	1015.6	734.6	442.0	264.4	193.2	173.7	171.7	167.8	160.0	159.0
62.5°	1144.4	1040.0	738.5	431.2	254.6	187.3	170.7	168.8	165.9	159.0	157.1
65°	1149.3	1042.9	726.8	412.7	242.0	179.5	165.9	165.9	162.9	156.1	155.1
67.5°	1121.0	1014.6	697.6	387.3	228.3	171.7	160.0	161.0	159.0	153.2	151.2
70°	1060.5	960.0	648.8	358.1	212.7	163.9	153.2	154.1	152.2	147.3	146.3
72.5°	966.8	870.3	583.4	322.9	196.1	154.1	146.3	146.3	145.4	140.5	138.5
75°	850.7	766.8	508.3	285.9	179.5	143.4	137.6	137.6	136.6	131.7	129.8
77.5°	721.0	647.8	430.3	249.8	162.0	132.7	126.8	127.8	126.8	121.0	121.0
80°	582.4	531.7	359.0	214.6	145.4	121.0	116.1	117.1	115.1	109.3	107.3
82.5°	467.3	425.4	290.7	183.4	128.8	110.2	105.4	105.4	102.4	97.6	96.6
85°	357.1	326.8	235.1	154.1	114.1	98.5	94.6	93.7	89.8	84.9	83.9
87.5°	278.1	252.7	188.3	130.7	99.5	87.8	83.9	82.0	78.0	73.2	72.2
90°	209.8	194.1	150.2	109.3	87.8	78.0	74.1	71.2	67.3	62.4	60.5
92.5°	162.9	153.2	122.0	93.7	76.1	69.3	65.4	62.4	57.6	53.7	51.7
95°	125.9	120.0	100.5	80.0	67.3	60.5	57.6	54.6	50.7	45.9	43.9
97.5°	99.5	94.6	82.0	68.3	59.5	54.6	50.7	47.8	42.9	39.0	38.0
100°	78.0	75.1	68.3	58.5	52.7	47.8	44.9	42.0	37.1	33.2	33.2
102.5°	61.5	60.5	56.6	50.7	46.8	42.9	40.0	37.1	33.2	29.3	28.3
105°	49.8	49.8	46.8	43.9	41.0	38.0	36.1	33.2	28.3	25.4	24.4
107.5°	40.0	41.0	40.0	39.0	36.1	34.1	32.2	28.3	24.4	21.5	21.5
110°	33.2	33.2	34.1	33.2	32.2	30.2	28.3	25.4	21.5	19.5	19.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.3	28.3	29.3	29.3	28.3	27.3	25.4	22.4	18.5	16.6	16.6
115°	23.4	23.4	25.4	25.4	25.4	24.4	22.4	19.5	16.6	14.6	15.6
117.5°	19.5	20.5	21.5	22.4	22.4	21.5	19.5	16.6	13.7	13.7	13.7
120°	17.6	17.6	18.5	19.5	19.5	19.5	17.6	14.6	12.7	11.7	11.7
122.5°	15.6	15.6	16.6	17.6	17.6	16.6	15.6	12.7	10.7	10.7	10.7
125°	13.7	13.7	14.6	15.6	15.6	14.6	12.7	10.7	9.8	9.8	9.8
127.5°	11.7	12.7	12.7	13.7	13.7	12.7	11.7	9.8	7.8	8.8	8.8
130°	10.7	10.7	11.7	11.7	11.7	10.7	9.8	7.8	7.8	7.8	7.8
132.5°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	6.8	6.8	6.8	6.8
135°	7.8	8.8	8.8	8.8	8.8	7.8	6.8	5.9	5.9	5.9	6.8
137.5°	6.8	6.8	7.8	6.8	6.8	6.8	4.9	4.9	4.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	5.9	4.9	3.9	3.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9	3.9	3.9	4.9
145°	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.9	2.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
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)