

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: P694638

Luminaire Tested: **LXF.LXT-PA16-20-750-U-T4W-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-750-U-T4W-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2722.1 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

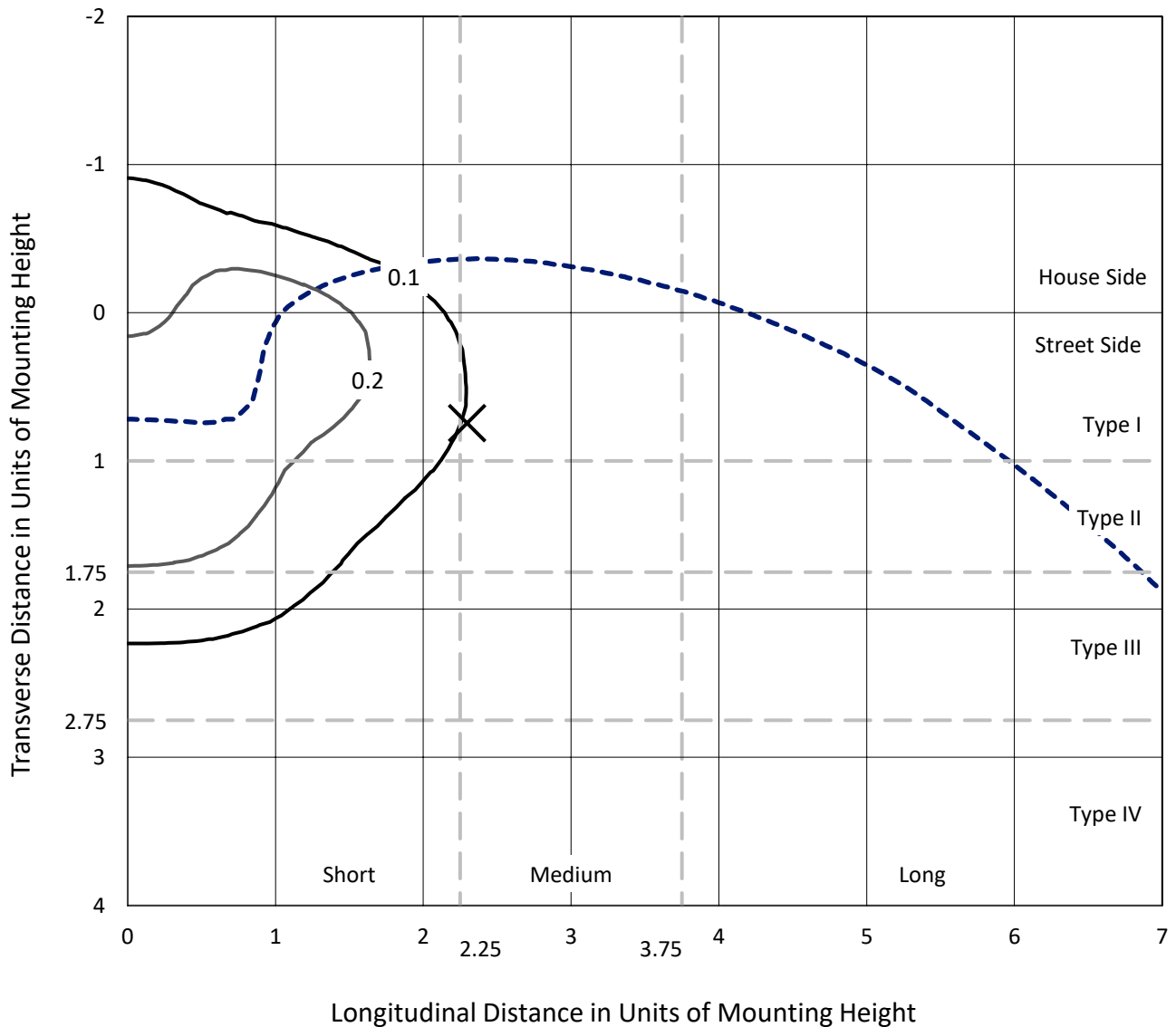
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

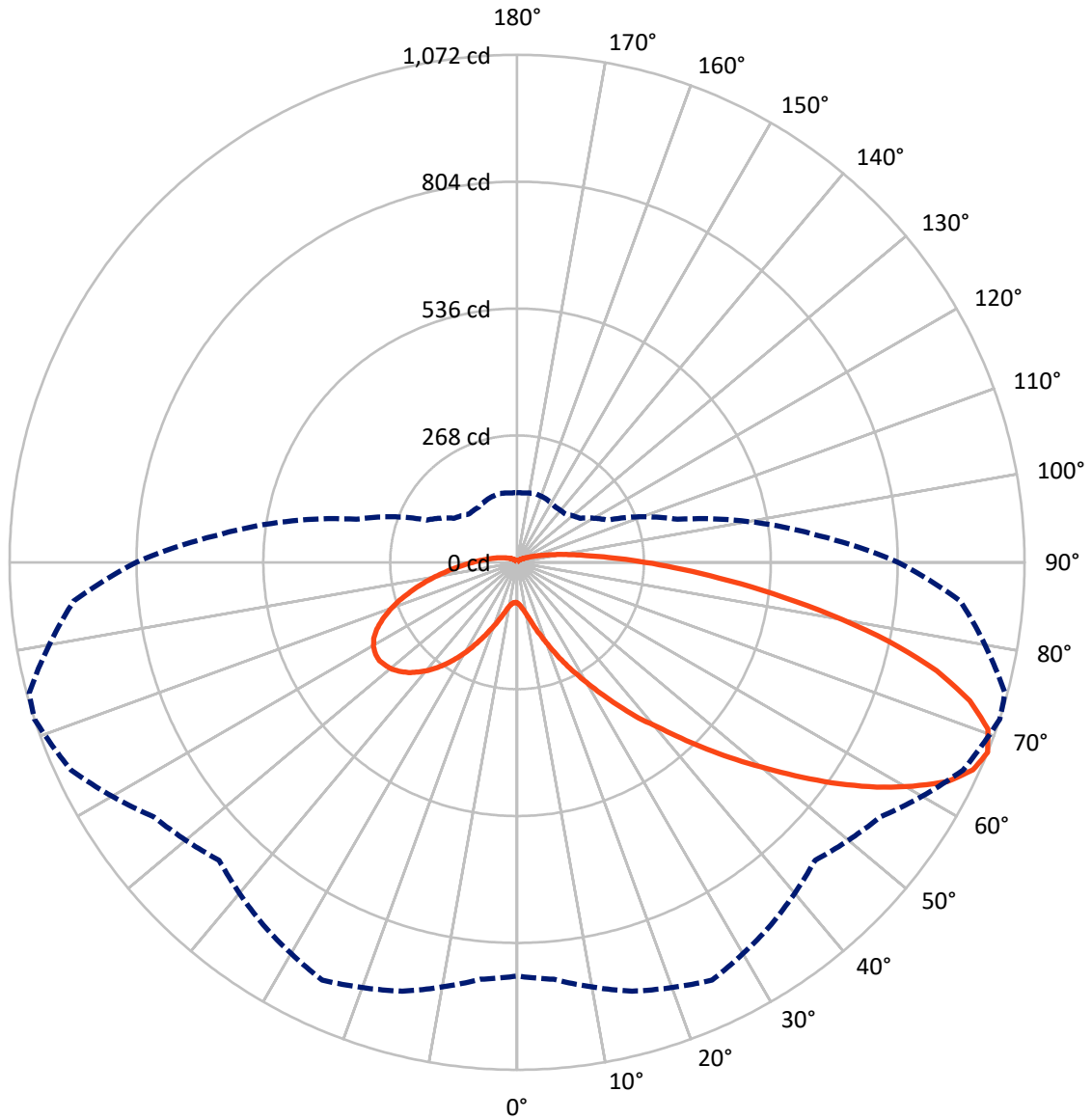
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type 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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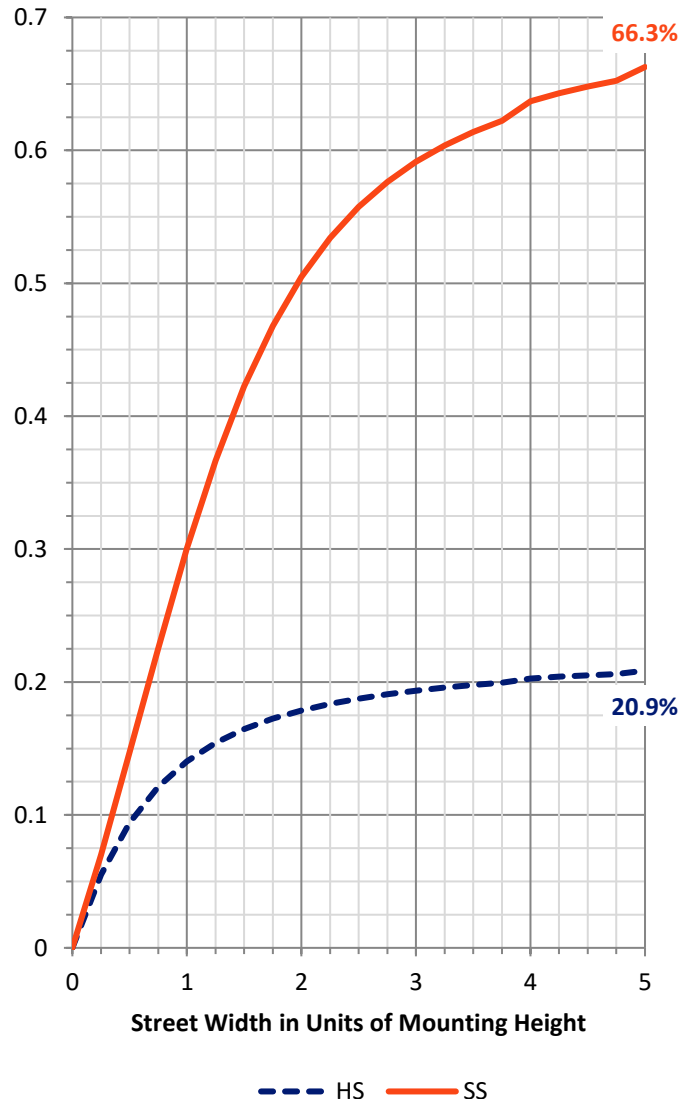
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	601.3	80.6	681.9
	% Fixture	22.1	3.0	25.0
<b>Street Side</b>	Lumens	1905.8	134.4	2040.2
	% Fixture	70.0	4.9	75.0
<b>Total</b>	Lumens	2507.1	214.9	2722.1
	% Fixture	92.1	7.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.3
10°-20°	37.3	1.4
20°-30°	95.6	3.5
30°-40°	192.0	7.1
40°-50°	323.2	11.9
50°-60°	477.4	17.5
60°-70°	588.2	21.6
70°-80°	507.9	18.7
80°-90°	276.3	10.2
90°-100°	117.5	4.3
100°-110°	51.5	1.9
110°-120°	24.8	0.9
120°-130°	12.6	0.5
130°-140°	6.1	0.2
140°-150°	2.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2507.1	92.1
0°-180°	2722.1	100.0

**Coefficient of Utilization**

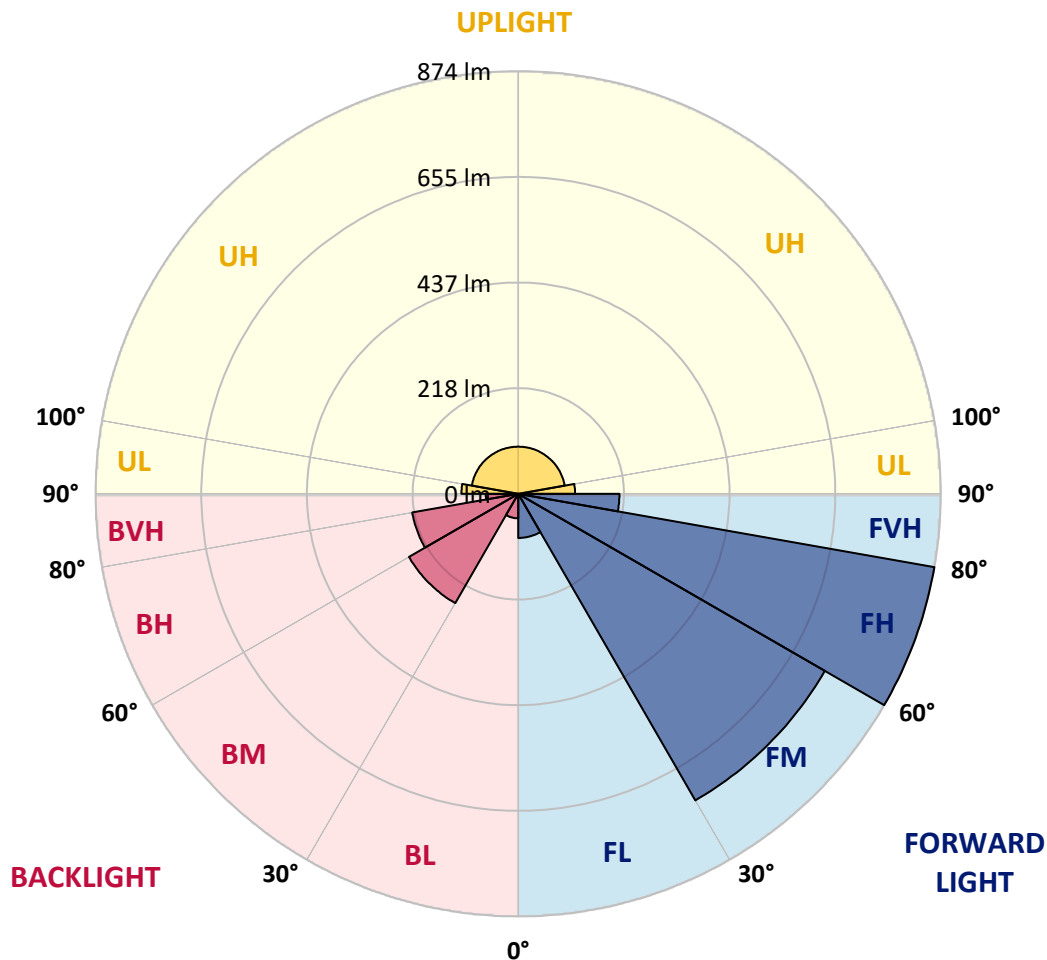


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.3	3.4			
FM (30°-60°)	731.8	26.9			
FH (60°-80°)	873.6	32.1			G1/1800
FVH (80°-90°)	209.1	7.7			G2/225
BL (0°-30°)	50.7	1.9	B0/110		
BM (30°-60°)	260.9	9.6	B1/1000		
BH (60°-80°)	222.6	8.2	B1/500		G1/500
BVH (80°-90°)	67.2	2.5			G1/100
UL (90°-100°)	117.5	4.3		U3/500	
UH (100°-180°)	97.5	3.6		U3/500	

**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°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	94.0	94.0	94.0	93.0	92.0	92.0	91.0	90.0	89.0	88.0	87.0
5°	105.0	105.0	104.0	104.0	102.0	101.0	99.0	96.0	95.0	94.0	91.0
7.5°	119.0	119.0	117.0	117.0	114.0	112.0	109.0	105.0	102.0	101.0	97.0
10°	135.0	134.0	134.0	131.0	128.0	126.0	121.0	116.0	113.0	111.0	106.0
12.5°	156.0	155.0	153.0	150.0	146.0	141.0	136.0	131.0	126.0	124.0	118.0
15°	179.0	179.0	177.0	172.0	167.0	160.0	154.0	148.0	144.0	142.0	134.0
17.5°	206.0	205.0	203.0	197.0	189.0	182.0	175.0	168.0	163.0	161.0	152.0
20°	239.0	238.0	232.0	223.0	216.0	206.0	197.0	189.0	185.0	183.0	173.0
22.5°	275.0	273.0	267.0	256.0	242.0	232.0	222.0	214.0	210.0	207.0	198.0
25°	316.0	313.0	305.0	288.0	272.0	258.0	248.0	240.0	238.0	236.0	224.0
27.5°	361.0	359.0	348.0	327.0	305.0	289.0	276.0	271.0	267.0	265.0	252.0
30°	413.0	410.0	393.0	369.0	340.0	317.0	305.0	302.0	299.0	300.0	288.0
32.5°	464.0	464.0	443.0	411.0	375.0	348.0	334.0	336.0	335.0	335.0	321.0
35°	519.0	520.0	494.0	459.0	412.0	381.0	367.0	372.0	374.0	373.0	359.0
37.5°	577.0	575.0	549.0	505.0	451.0	413.0	401.0	408.0	417.0	414.0	401.0
40°	641.0	637.0	612.0	555.0	494.0	448.0	437.0	451.0	457.0	461.0	443.0
42.5°	699.0	697.0	668.0	609.0	537.0	485.0	473.0	492.0	508.0	509.0	491.0
45°	756.0	752.0	728.0	662.0	579.0	527.0	517.0	544.0	563.0	565.0	545.0
47.5°	808.0	808.0	781.0	716.0	631.0	569.0	562.0	598.0	622.0	624.0	602.0
50°	862.0	860.0	837.0	771.0	680.0	615.0	612.0	658.0	685.0	688.0	659.0
52.5°	901.9	901.9	886.9	825.0	727.0	660.0	665.0	719.0	754.0	762.0	724.0
55°	936.9	937.9	927.9	871.9	781.0	709.0	716.0	784.0	826.0	837.0	789.0
57.5°	959.9	960.9	963.9	919.9	828.0	754.0	772.0	853.0	895.9	904.9	851.0
60°	968.9	971.9	985.9	956.9	869.9	801.0	825.0	914.9	959.9	969.9	900.9
62.5°	959.9	964.9	992.9	982.9	907.9	841.0	872.9	971.9	1019.9	1023.9	940.9
65°	932.9	938.9	976.9	988.9	929.9	872.9	914.9	1015.9	1057.9	1058.9	953.9
67.5°	873.9	883.9	937.9	973.9	934.9	889.9	936.9	1038.9	1071.9	1066.9	939.9
70°	802.0	810.0	871.9	929.9	916.9	886.9	939.9	1033.9	1054.9	1042.9	892.9
72.5°	702.0	711.0	784.0	860.0	870.9	863.0	914.9	999.9	999.9	981.9	820.0
75°	594.0	611.0	676.0	766.0	806.0	810.0	866.0	929.9	915.9	889.9	717.0
77.5°	489.0	495.0	559.0	659.0	711.0	735.0	785.0	828.0	803.0	772.0	608.0
80°	389.0	394.0	452.0	544.0	610.0	651.0	692.0	706.0	671.0	640.0	496.0
82.5°	302.0	308.0	360.0	441.0	507.0	548.0	582.0	585.0	544.0	516.0	395.0
85°	227.0	233.0	277.0	349.0	411.0	454.0	475.0	473.0	428.0	405.0	306.0
87.5°	176.0	175.0	211.0	268.0	326.0	360.0	376.0	363.0	332.0	312.0	235.0
90°	131.0	135.0	163.0	209.0	254.0	283.0	296.0	281.0	255.0	239.0	181.0
92.5°	101.0	103.0	128.0	163.0	201.0	226.0	235.0	218.0	193.0	184.0	139.0
95°	79.0	81.0	99.0	128.0	156.0	175.0	180.0	167.0	147.0	140.0	108.0
97.5°	64.0	65.0	78.0	102.0	124.0	139.0	141.0	128.0	115.0	107.0	85.0
100°	51.0	51.0	63.0	81.0	98.0	110.0	109.0	101.0	90.0	84.0	66.0
102.5°	42.0	42.0	51.0	67.0	80.0	89.0	89.0	79.0	70.0	65.0	52.0
105°	35.0	35.0	42.0	54.0	66.0	73.0	72.0	64.0	55.0	51.0	41.0
107.5°	30.0	30.0	35.0	45.0	54.0	60.0	59.0	51.0	44.0	41.0	34.0
110°	26.0	26.0	30.0	38.0	46.0	50.0	49.0	41.0	35.0	33.0	28.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	22.0	23.0	25.0	32.0	39.0	43.0	41.0	34.0	28.0	26.0	24.0
115°	20.0	20.0	22.0	27.0	33.0	36.0	34.0	28.0	23.0	22.0	20.0
117.5°	18.0	18.0	20.0	24.0	29.0	31.0	29.0	23.0	20.0	18.0	17.0
120°	16.0	16.0	17.0	21.0	24.0	26.0	24.0	19.0	16.0	16.0	15.0
122.5°	15.0	15.0	16.0	18.0	21.0	22.0	20.0	16.0	14.0	14.0	14.0
125°	13.0	14.0	14.0	16.0	18.0	19.0	17.0	14.0	12.0	12.0	12.0
127.5°	12.0	12.0	13.0	14.0	15.0	16.0	14.0	12.0	11.0	10.0	11.0
130°	11.0	11.0	11.0	12.0	13.0	13.0	12.0	10.0	9.0	9.0	10.0
132.5°	10.0	10.0	10.0	10.0	11.0	11.0	10.0	8.0	8.0	8.0	9.0
135°	9.0	9.0	9.0	9.0	9.0	9.0	8.0	7.0	7.0	7.0	8.0
137.5°	8.0	8.0	8.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0	7.0
140°	7.0	7.0	7.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	6.0
142.5°	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
145°	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0
147.5°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	3.0	3.0	2.0	2.0	2.0	1.0	1.0	2.0	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°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	87.0	86.0	85.0	84.0	83.0	83.0	82.0	81.0	81.0	81.0	80.0
5°	90.0	88.0	86.0	84.0	81.0	80.0	78.0	77.0	76.0	75.0	75.0
7.5°	95.0	93.0	89.0	85.0	82.0	79.0	76.0	74.0	73.0	72.0	72.0
10°	103.0	100.0	94.0	89.0	84.0	80.0	77.0	74.0	73.0	72.0	71.0
12.5°	114.0	111.0	103.0	95.0	89.0	83.0	79.0	76.0	74.0	73.0	73.0
15°	130.0	125.0	115.0	105.0	96.0	89.0	84.0	81.0	80.0	79.0	79.0
17.5°	147.0	140.0	129.0	116.0	106.0	97.0	91.0	89.0	87.0	86.0	86.0
20°	167.0	159.0	145.0	129.0	116.0	107.0	100.0	96.0	94.0	93.0	93.0
22.5°	189.0	182.0	162.0	144.0	128.0	118.0	108.0	103.0	101.0	100.0	101.0
25°	215.0	205.0	182.0	160.0	141.0	127.0	117.0	110.0	109.0	108.0	109.0
27.5°	244.0	231.0	204.0	175.0	153.0	136.0	125.0	118.0	117.0	116.0	117.0
30°	275.0	263.0	227.0	193.0	165.0	144.0	132.0	126.0	124.0	125.0	124.0
32.5°	309.0	290.0	250.0	209.0	175.0	150.0	137.0	132.0	132.0	133.0	133.0
35°	346.0	325.0	273.0	224.0	183.0	156.0	142.0	138.0	138.0	140.0	140.0
37.5°	383.0	358.0	296.0	236.0	189.0	159.0	146.0	143.0	143.0	146.0	146.0
40°	423.0	393.0	317.0	247.0	194.0	162.0	148.0	147.0	148.0	151.0	151.0
42.5°	466.0	427.0	336.0	255.0	196.0	163.0	150.0	150.0	152.0	154.0	155.0
45°	511.0	464.0	355.0	260.0	197.0	163.0	151.0	151.0	155.0	157.0	157.0
47.5°	560.0	501.0	370.0	263.0	196.0	162.0	151.0	153.0	156.0	158.0	158.0
50°	613.0	541.0	384.0	263.0	194.0	161.0	151.0	153.0	157.0	158.0	158.0
52.5°	665.0	580.0	393.0	260.0	191.0	159.0	150.0	153.0	157.0	157.0	157.0
55°	720.0	617.0	401.0	256.0	187.0	157.0	149.0	153.0	156.0	156.0	156.0
57.5°	764.0	647.0	402.0	250.0	183.0	155.0	148.0	152.0	155.0	154.0	154.0
60°	802.0	668.0	399.0	242.0	178.0	152.0	147.0	151.0	154.0	152.0	152.0
62.5°	827.0	677.0	390.0	233.0	173.0	150.0	146.0	150.0	153.0	151.0	151.0
65°	828.0	668.0	373.0	223.0	167.0	147.0	144.0	149.0	152.0	149.0	149.0
67.5°	805.0	641.0	351.0	211.0	162.0	144.0	142.0	147.0	150.0	147.0	147.0
70°	756.0	596.0	324.0	199.0	155.0	141.0	140.0	145.0	147.0	144.0	143.0
72.5°	685.0	536.0	294.0	185.0	148.0	136.0	136.0	141.0	143.0	140.0	139.0
75°	593.0	467.0	261.0	170.0	140.0	131.0	132.0	136.0	138.0	135.0	133.0
77.5°	499.0	397.0	229.0	157.0	132.0	125.0	126.0	131.0	132.0	129.0	127.0
80°	405.0	323.0	197.0	142.0	123.0	119.0	120.0	123.0	124.0	121.0	119.0
82.5°	325.0	263.0	167.0	128.0	114.0	111.0	113.0	115.0	115.0	112.0	110.0
85°	256.0	209.0	142.0	113.0	104.0	103.0	105.0	106.0	105.0	102.0	100.0
87.5°	198.0	166.0	119.0	99.0	94.0	95.0	96.0	96.0	95.0	93.0	90.0
90°	154.0	132.0	100.0	87.0	85.0	86.0	87.0	87.0	85.0	82.0	80.0
92.5°	122.0	107.0	84.0	76.0	76.0	78.0	78.0	78.0	75.0	72.0	71.0
95°	95.0	85.0	71.0	67.0	67.0	69.0	70.0	69.0	66.0	63.0	62.0
97.5°	76.0	69.0	61.0	58.0	60.0	62.0	62.0	60.0	57.0	55.0	54.0
100°	61.0	56.0	51.0	51.0	53.0	55.0	55.0	53.0	50.0	46.0	46.0
102.5°	49.0	47.0	44.0	45.0	46.0	48.0	48.0	46.0	42.0	39.0	39.0
105°	40.0	39.0	38.0	39.0	41.0	42.0	42.0	40.0	36.0	33.0	33.0
107.5°	33.0	32.0	32.0	34.0	36.0	37.0	37.0	34.0	31.0	28.0	29.0
110°	28.0	27.0	27.0	29.0	31.0	32.0	32.0	30.0	26.0	24.0	25.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	23.0	24.0	26.0	28.0	29.0	28.0	25.0	22.0	21.0	21.0
115°	20.0	20.0	21.0	23.0	24.0	25.0	24.0	22.0	19.0	18.0	18.0
117.5°	17.0	17.0	18.0	20.0	21.0	22.0	21.0	19.0	16.0	16.0	16.0
120°	15.0	15.0	16.0	18.0	19.0	19.0	18.0	16.0	14.0	14.0	14.0
122.5°	14.0	14.0	14.0	15.0	16.0	17.0	16.0	14.0	12.0	12.0	12.0
125°	12.0	12.0	13.0	14.0	14.0	14.0	13.0	12.0	11.0	11.0	11.0
127.5°	11.0	11.0	11.0	12.0	13.0	12.0	11.0	10.0	9.0	10.0	10.0
130°	10.0	10.0	10.0	10.0	11.0	11.0	10.0	9.0	8.0	8.0	8.0
132.5°	9.0	9.0	9.0	9.0	9.0	9.0	8.0	7.0	7.0	8.0	8.0
135°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	6.0	6.0	7.0	7.0
137.5°	7.0	7.0	7.0	6.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0
140°	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
142.5°	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
145°	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
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

(END OF REPORT)