

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: P694682

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

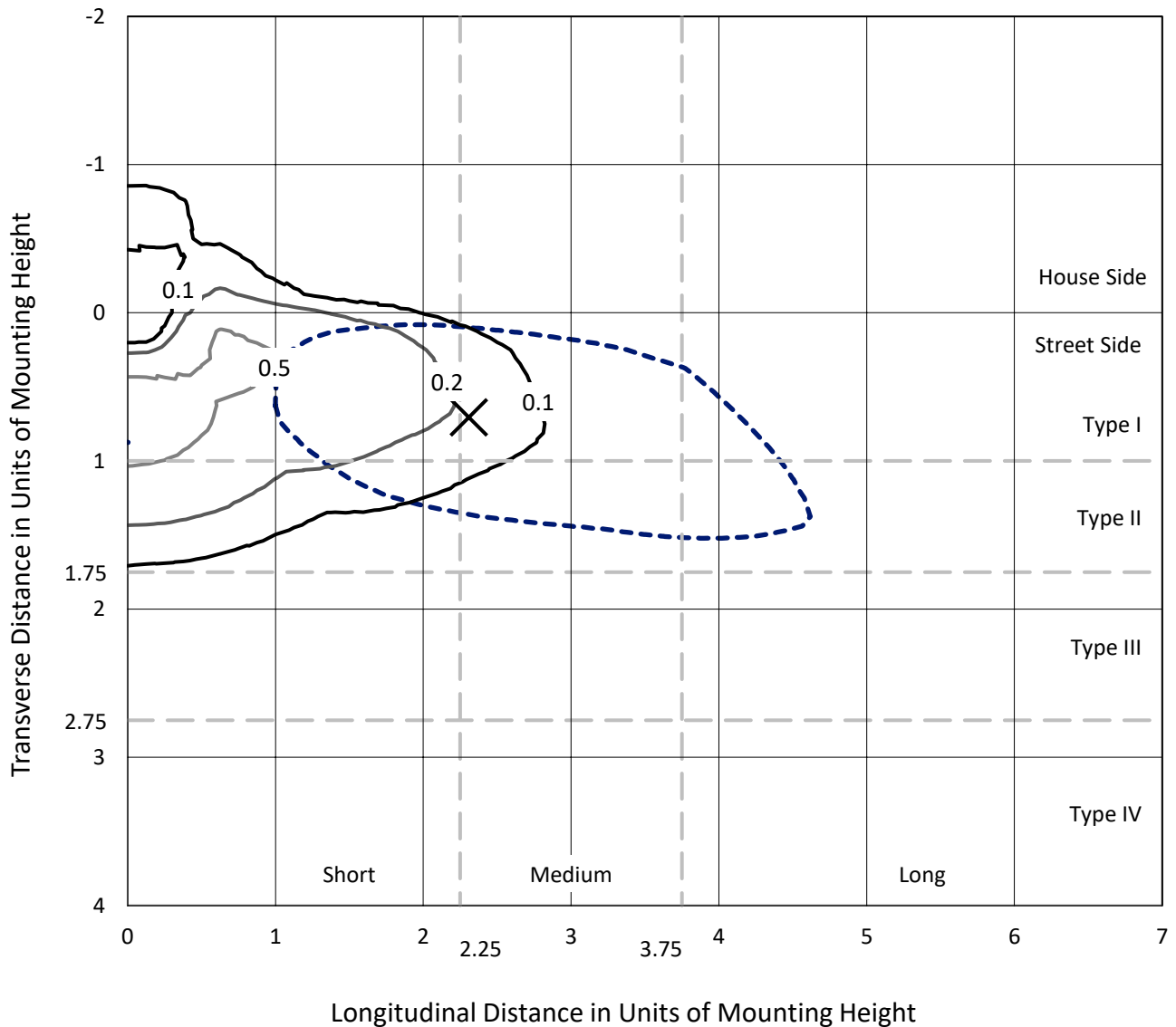
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

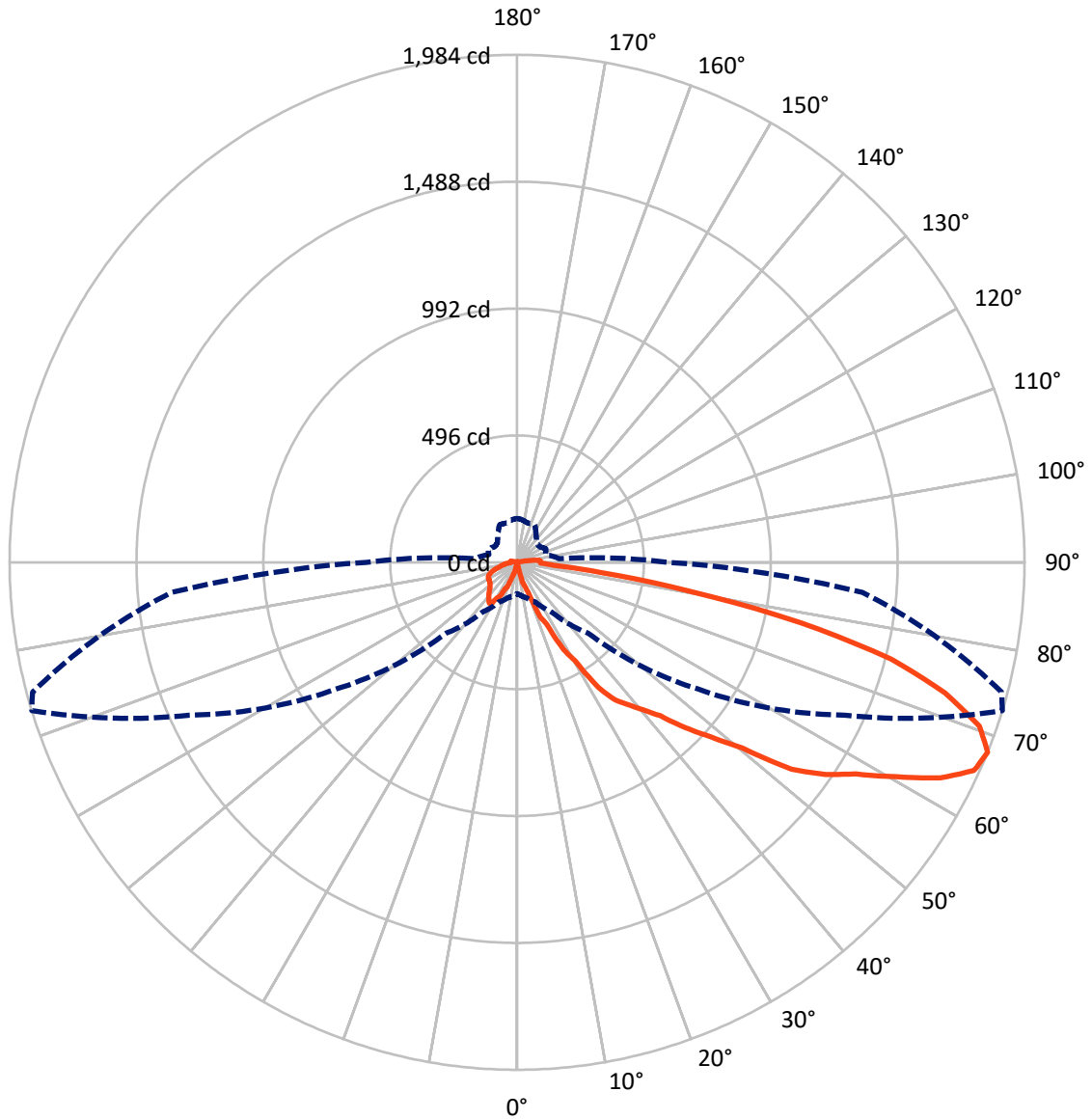
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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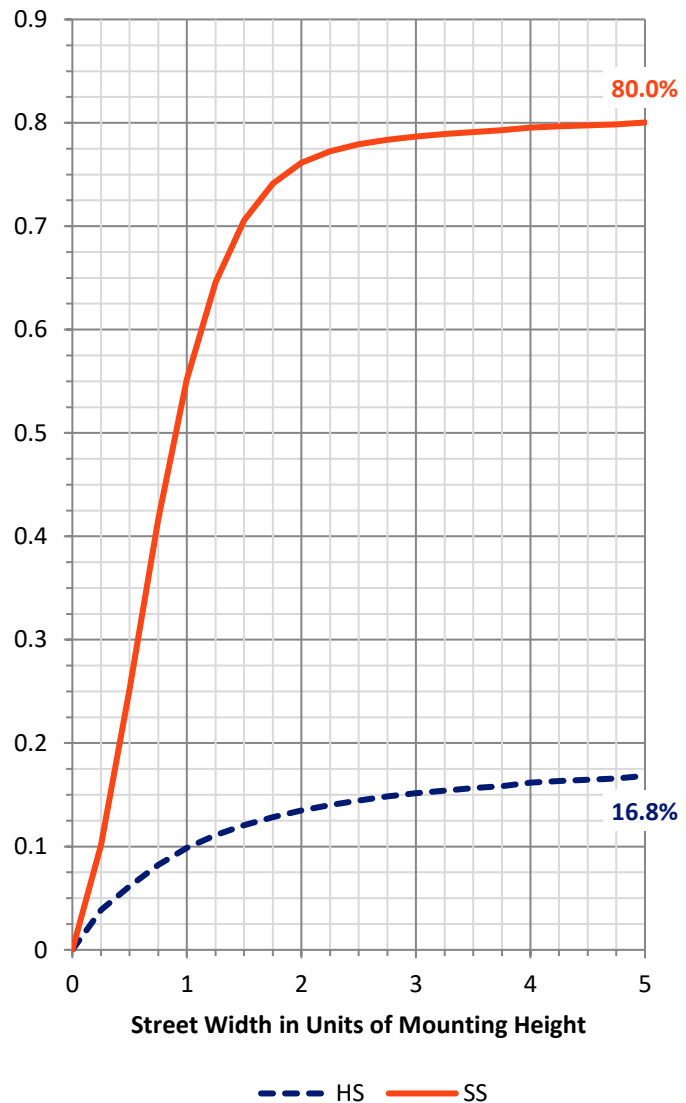
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	375.1	16.0	391.1
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	1711.3	19.6	1730.9
	% Fixture	80.6	0.9	81.6
Total	Lumens	2086.4	35.6	2122.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	17.2	0.8
20°-30°	106.2	5.0
30°-40°	267.2	12.6
40°-50°	385.8	18.2
50°-60°	471.9	22.2
60°-70°	465.2	21.9
70°-80°	292.7	13.8
80°-90°	80.0	3.8
90°-100°	23.3	1.1
100°-110°	5.0	0.2
110°-120°	2.6	0.1
120°-130°	2.1	0.1
130°-140°	1.5	0.1
140°-150°	1.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2086.4	98.3
0°-180°	2122.0	100.0

Coefficient of Utilization

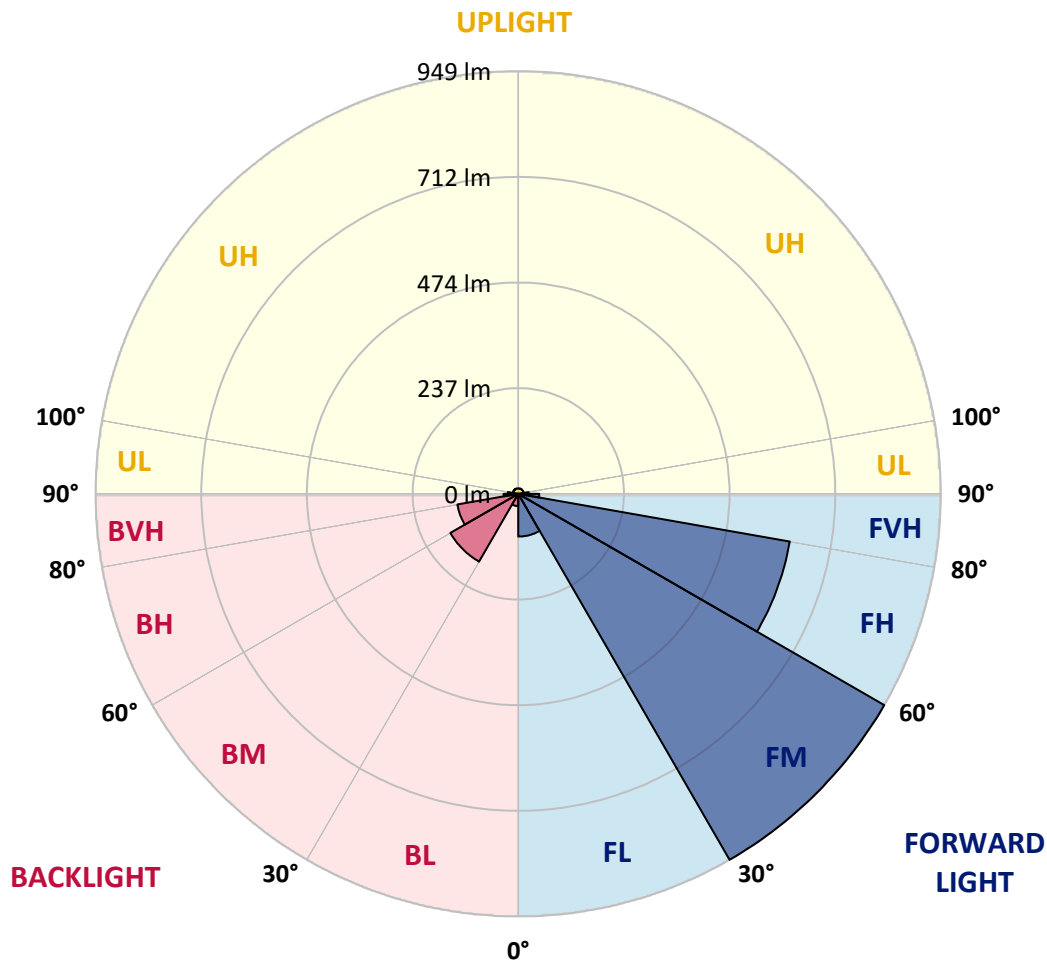


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.0	4.5			
FM (30°-60°)	949.0	44.7			
FH (60°-80°)	619.2	29.2			G0/660
FVH (80°-90°)	47.1	2.2			G1/100
BL (0°-30°)	27.5	1.3	B0/110		
BM (30°-60°)	176.0	8.3	B0/220		
BH (60°-80°)	138.7	6.5	B1/500		G1/500
BVH (80°-90°)	32.9	1.5			G1/100
UL (90°-100°)	23.3	1.1		U2/50	
UH (100°-180°)	12.4	0.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5
5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5
7.5°	3.0	3.8	3.0	3.0	3.0	3.0	3.0	2.3	1.5	1.5	1.5
10°	12.8	12.1	8.3	7.5	4.5	3.8	3.0	2.3	2.3	2.3	2.3
12.5°	101.0	100.2	98.0	88.2	15.1	7.5	4.5	6.0	8.3	9.8	11.3
15°	116.0	117.6	115.3	113.0	109.3	36.2	15.8	87.4	81.4	78.4	60.3
17.5°	209.5	156.7	137.9	134.9	126.6	106.2	96.5	107.0	97.2	94.2	73.1
20°	287.8	286.3	281.1	271.3	152.2	193.7	185.4	125.8	127.3	134.9	143.9
22.5°	321.8	320.2	313.5	302.9	316.5	223.0	210.2	233.6	231.3	224.6	174.1
25°	527.5	520.7	483.8	352.7	353.4	311.2	322.5	300.7	265.2	258.5	202.7
27.5°	571.9	575.7	566.7	514.7	404.6	414.4	354.2	345.9	385.8	397.1	306.7
30°	764.8	782.9	696.3	587.0	530.5	452.9	434.0	474.7	446.1	433.3	335.3
32.5°	893.7	885.4	868.8	732.4	602.1	542.5	541.8	523.7	584.0	582.5	471.0
35°	944.9	938.1	921.6	802.5	692.5	636.7	589.3	651.0	660.8	636.0	502.6
37.5°	983.4	975.8	956.2	828.1	764.8	675.2	694.8	697.8	706.8	701.5	530.5
40°	985.6	981.1	967.5	864.3	804.8	705.3	752.8	759.6	757.3	770.9	565.9
42.5°	977.3	968.3	960.0	871.1	825.9	728.7	797.2	836.4	819.8	839.4	607.3
45°	944.9	934.4	930.6	871.1	822.9	744.5	849.2	908.8	921.6	904.2	652.6
47.5°	889.9	887.7	889.2	850.7	819.8	762.6	899.0	963.8	1019.5	992.4	718.9
50°	834.2	837.9	848.5	827.4	810.8	773.1	962.3	1058.7	1140.8	1103.9	818.3
52.5°	746.0	751.3	781.4	789.7	785.2	772.4	1011.2	1186.8	1344.3	1293.1	921.6
55°	665.4	668.4	688.7	718.9	736.2	756.5	1030.8	1243.3	1464.1	1406.1	988.6
57.5°	573.4	567.4	593.8	637.5	676.7	734.7	1051.2	1287.8	1560.6	1528.9	1076.0
60°	464.2	451.4	489.8	530.5	590.0	689.5	1064.0	1364.6	1702.2	1684.1	1203.4
62.5°	312.7	318.7	357.2	412.2	495.1	613.4	1049.7	1434.7	1855.9	1845.4	1309.6
65°	196.7	205.0	229.8	277.3	361.7	516.2	989.4	1467.9	1962.9	1944.9	1370.7
67.5°	122.8	128.1	143.9	172.6	237.4	391.1	864.3	1414.4	1984.0	1960.7	1355.6
70°	101.7	103.2	105.5	112.3	146.2	270.5	687.2	1275.7	1917.0	1920.7	1293.1
72.5°	91.2	92.7	92.7	91.9	94.2	169.5	489.8	1082.1	1749.7	1749.7	1168.7
75°	83.6	84.4	82.1	81.4	79.9	105.5	299.1	857.5	1510.8	1482.2	976.6
77.5°	73.8	75.4	73.1	73.1	72.3	80.6	173.3	654.1	1131.8	1083.6	658.6
80°	63.3	63.3	63.3	63.3	64.0	64.0	108.5	449.1	681.9	628.4	355.7
82.5°	50.5	49.7	51.2	54.3	52.7	49.0	83.6	261.5	330.8	299.9	175.6
85°	19.6	24.1	27.9	33.9	35.4	33.9	64.0	128.9	140.9	150.7	108.5
87.5°	11.3	11.3	9.0	9.0	9.8	13.6	39.9	77.6	91.2	102.5	95.7
90°	12.1	12.1	9.0	8.3	8.3	11.3	34.7	70.8	92.7	103.2	97.2
92.5°	12.8	12.8	9.0	8.3	8.3	9.0	28.6	63.3	91.9	105.5	94.9
95°	11.3	12.1	8.3	7.5	8.3	8.3	21.1	50.5	85.1	86.7	88.9
97.5°	7.5	8.3	5.3	6.0	7.5	6.8	11.3	29.4	45.2	34.7	41.4
100°	4.5	5.3	3.8	4.5	5.3	5.3	6.0	12.8	11.3	7.5	7.5
102.5°	4.5	4.5	3.0	3.8	3.8	3.0	3.0	5.3	4.5	4.5	7.5
105°	4.5	4.5	3.0	3.0	2.3	2.3	2.3	3.8	3.8	4.5	7.5
107.5°	3.0	3.8	2.3	2.3	2.3	2.3	1.5	2.3	3.8	3.8	8.3
110°	2.3	2.3	1.5	1.5	1.5	2.3	1.5	2.3	3.0	3.8	6.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	1.5	2.3	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.0	3.8
115°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	3.0	4.5
117.5°	2.3	2.3	1.5	1.5	0.8	1.5	1.5	1.5	2.3	3.0	4.5
120°	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	3.0	3.0	4.5
122.5°	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5	2.3	3.0	4.5
125°	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5	2.3	3.0	3.8
127.5°	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.8
130°	2.3	2.3	1.5	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.8
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5
145°	3.0	3.0	3.0	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	3.0	3.0	3.0	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5
150°	3.0	3.8	3.0	2.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
5°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
7.5°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
10°	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	0.8
12.5°	11.3	11.3	8.3	3.8	1.5	0.8	0.8	0.8	2.3	2.3	2.3
15°	55.0	49.7	44.5	39.2	10.5	1.5	1.5	6.8	25.6	36.2	37.7
17.5°	64.0	58.0	52.0	47.5	42.2	15.8	17.3	45.2	46.7	47.5	46.7
20°	123.6	110.0	71.6	54.3	46.7	49.0	43.0	48.2	52.0	53.5	53.5
22.5°	146.9	126.6	108.5	94.9	55.8	67.1	62.5	55.8	86.7	88.9	89.7
25°	170.3	143.9	116.8	101.0	97.2	69.3	73.8	85.1	91.9	93.4	92.7
27.5°	248.7	205.0	163.5	109.3	103.2	86.7	92.7	89.7	98.0	119.8	122.1
30°	267.5	213.2	166.5	132.6	108.5	101.7	95.7	116.8	126.6	126.6	127.3
32.5°	370.7	284.8	205.0	132.6	119.8	102.5	114.5	122.1	128.1	137.1	134.1
35°	388.1	287.8	202.7	153.7	119.8	107.8	118.3	125.8	153.7	156.7	156.0
37.5°	402.4	284.8	191.4	149.2	129.6	114.5	120.6	143.9	155.2	154.5	153.0
40°	418.2	280.3	180.1	146.2	128.9	115.3	128.9	144.7	151.5	147.7	143.9
42.5°	436.3	273.5	170.3	139.4	125.8	116.0	129.6	140.9	140.2	137.9	135.6
45°	459.7	266.0	159.0	133.4	124.3	114.5	127.3	131.1	136.4	134.9	133.4
47.5°	494.3	258.5	149.2	128.1	122.8	112.3	128.9	133.4	137.9	134.1	133.4
50°	545.6	247.9	140.9	126.6	122.1	119.1	118.3	137.1	140.9	131.9	130.4
52.5°	580.2	235.9	136.4	125.1	119.8	116.0	125.8	135.6	139.4	128.9	128.1
55°	603.6	218.5	132.6	125.1	118.3	109.3	136.4	138.6	138.6	126.6	125.1
57.5°	629.2	206.5	130.4	127.3	117.6	101.7	142.4	141.7	138.6	122.8	123.6
60°	666.1	198.9	128.1	129.6	117.6	104.0	140.2	148.4	138.6	125.1	129.6
62.5°	687.2	191.4	126.6	130.4	116.0	104.0	135.6	158.2	150.0	140.2	140.9
65°	657.8	181.6	122.1	129.6	113.8	106.2	131.1	162.0	160.5	156.0	156.7
67.5°	590.8	165.0	113.8	124.3	106.2	107.8	128.9	162.0	159.0	168.8	171.1
70°	516.2	145.4	101.7	115.3	101.0	106.2	134.1	156.7	156.7	174.8	178.6
72.5°	437.0	119.1	88.2	105.5	101.0	103.2	140.2	150.7	150.7	174.8	174.1
75°	358.7	94.9	73.8	90.4	93.4	103.2	139.4	143.9	140.2	159.7	156.0
77.5°	262.2	75.4	63.3	76.1	84.4	103.2	134.9	134.1	128.1	137.1	135.6
80°	161.3	59.5	53.5	64.8	70.8	98.7	127.3	122.1	111.5	116.0	114.5
82.5°	93.4	44.5	45.2	55.0	56.5	90.4	115.3	106.2	94.9	97.2	94.9
85°	60.3	28.6	35.4	42.2	44.5	73.8	98.7	89.7	76.9	99.5	94.9
87.5°	46.7	16.6	24.1	27.9	27.1	32.4	56.5	53.5	52.7	43.0	41.4
90°	43.7	14.3	24.1	24.1	19.6	15.8	21.9	22.6	18.8	20.3	18.1
92.5°	39.2	14.3	25.6	24.1	17.3	12.8	18.1	18.1	14.3	13.6	12.8
95°	32.4	12.8	27.1	24.9	15.8	11.3	15.1	14.3	11.3	10.5	9.8
97.5°	17.3	8.3	25.6	22.6	14.3	10.5	13.6	12.1	8.3	7.5	6.8
100°	6.0	5.3	24.9	19.6	12.1	8.3	9.8	9.0	5.3	4.5	3.8
102.5°	5.3	4.5	14.3	14.3	7.5	4.5	6.0	6.0	4.5	3.8	3.8
105°	6.0	4.5	5.3	7.5	3.8	2.3	3.0	3.8	3.8	4.5	4.5
107.5°	6.0	4.5	3.8	3.8	3.0	2.3	2.3	2.3	3.8	4.5	4.5
110°	5.3	4.5	3.0	3.8	3.0	2.3	2.3	2.3	3.8	5.3	5.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.0	3.0	2.3	2.3	2.3	2.3	3.8	5.3	6.0
115°	3.8	3.8	2.3	2.3	2.3	2.3	1.5	2.3	3.8	6.0	6.8
117.5°	4.5	3.8	2.3	2.3	1.5	1.5	1.5	2.3	4.5	6.8	7.5
120°	4.5	3.8	2.3	2.3	1.5	1.5	1.5	2.3	4.5	7.5	7.5
122.5°	4.5	3.8	2.3	2.3	1.5	1.5	1.5	2.3	4.5	7.5	7.5
125°	3.8	3.8	2.3	2.3	1.5	1.5	1.5	2.3	4.5	7.5	7.5
127.5°	3.8	3.0	2.3	1.5	1.5	1.5	1.5	2.3	4.5	6.8	7.5
130°	3.0	3.0	2.3	1.5	1.5	1.5	1.5	2.3	4.5	6.8	6.8
132.5°	3.0	3.0	2.3	1.5	1.5	1.5	1.5	2.3	3.8	6.0	6.0
135°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3	3.0	4.5	4.5
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
142.5°	1.5	1.5	1.5	1.5	1.5	0.8	1.5	1.5	2.3	2.3	2.3
145°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	1.5
147.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	1.5	2.3	2.3	1.5
150°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	1.5	2.3	2.3	1.5
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)