

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: P694687

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2227.1 lumens
Efficiency: N/A
Efficacy: 102.2 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 - U2 - G1

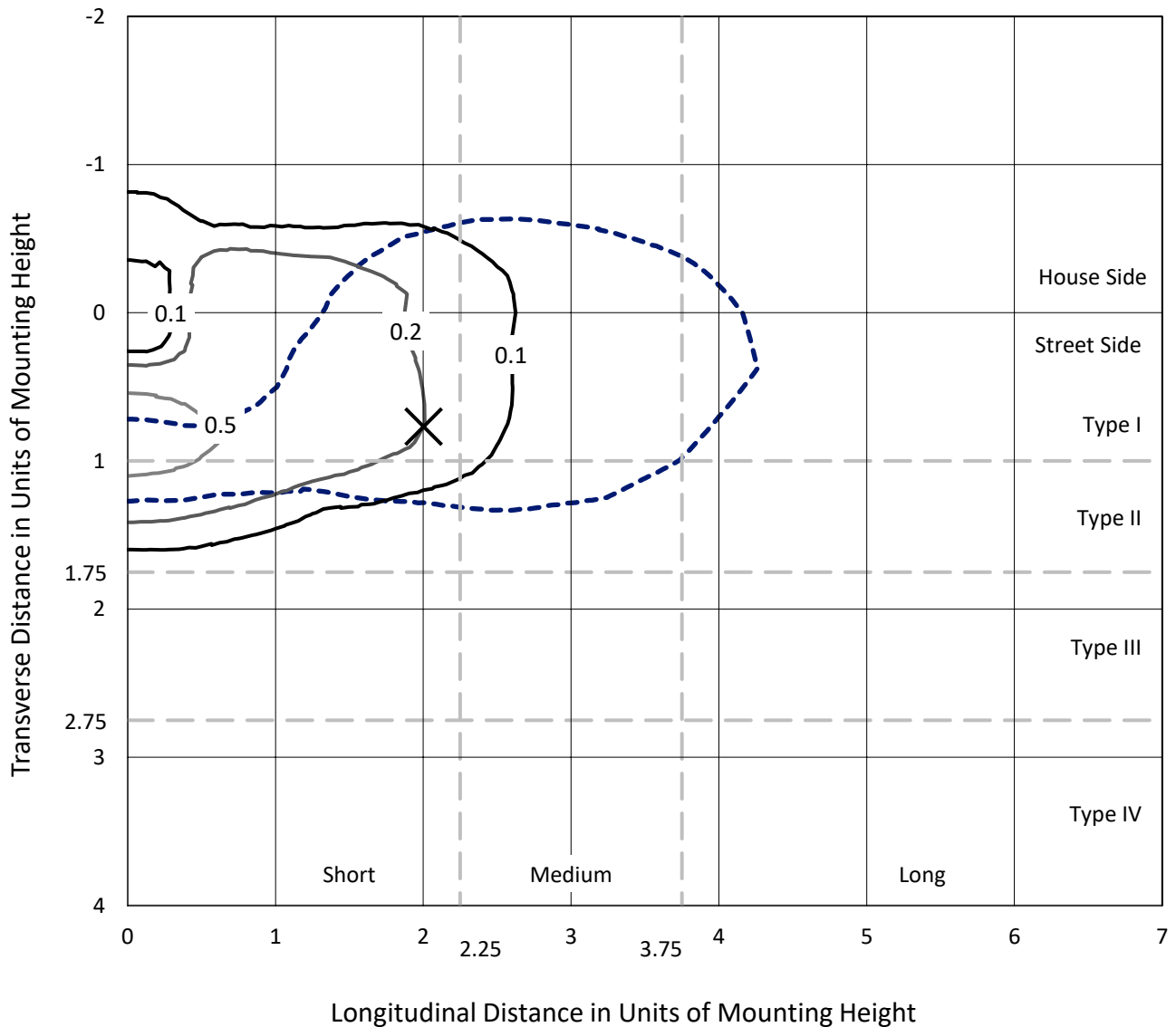
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

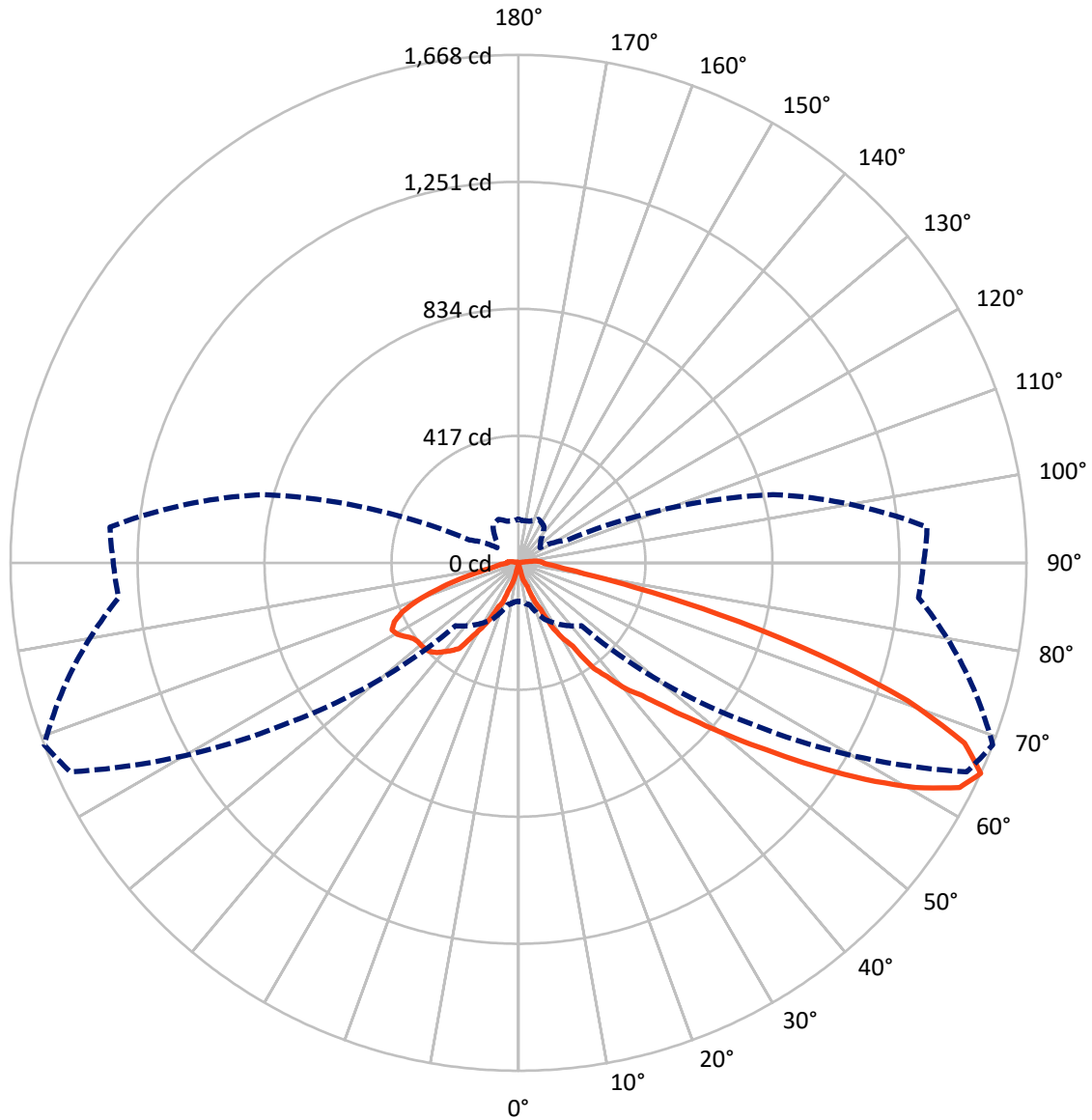
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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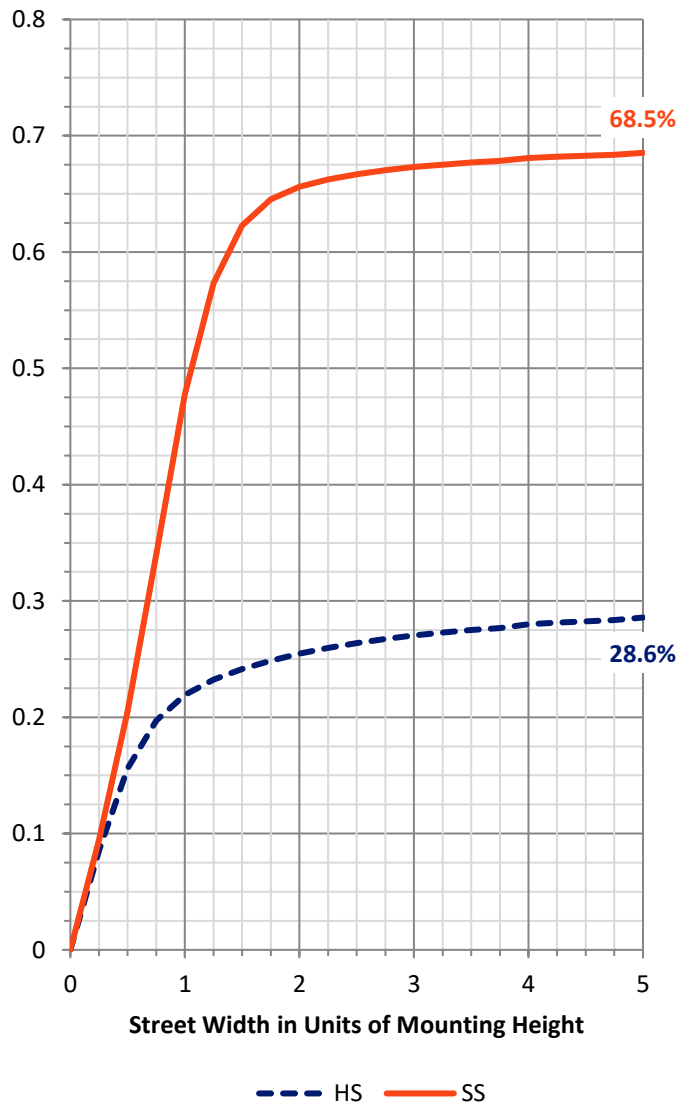
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.9	19.1	672.0
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	1538.5	16.6	1555.1
	% Fixture	69.1	0.7	69.8
Total	Lumens	2191.4	35.7	2227.1
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	13.5	0.6
20°-30°	85.8	3.9
30°-40°	235.3	10.6
40°-50°	419.6	18.8
50°-60°	544.6	24.5
60°-70°	520.8	23.4
70°-80°	300.1	13.5
80°-90°	71.6	3.2
90°-100°	25.3	1.1
100°-110°	4.6	0.2
110°-120°	2.2	0.1
120°-130°	1.8	0.1
130°-140°	1.1	0.0
140°-150°	0.7	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2191.4	98.4
0°-180°	2227.1	100.0

Coefficient of Utilization

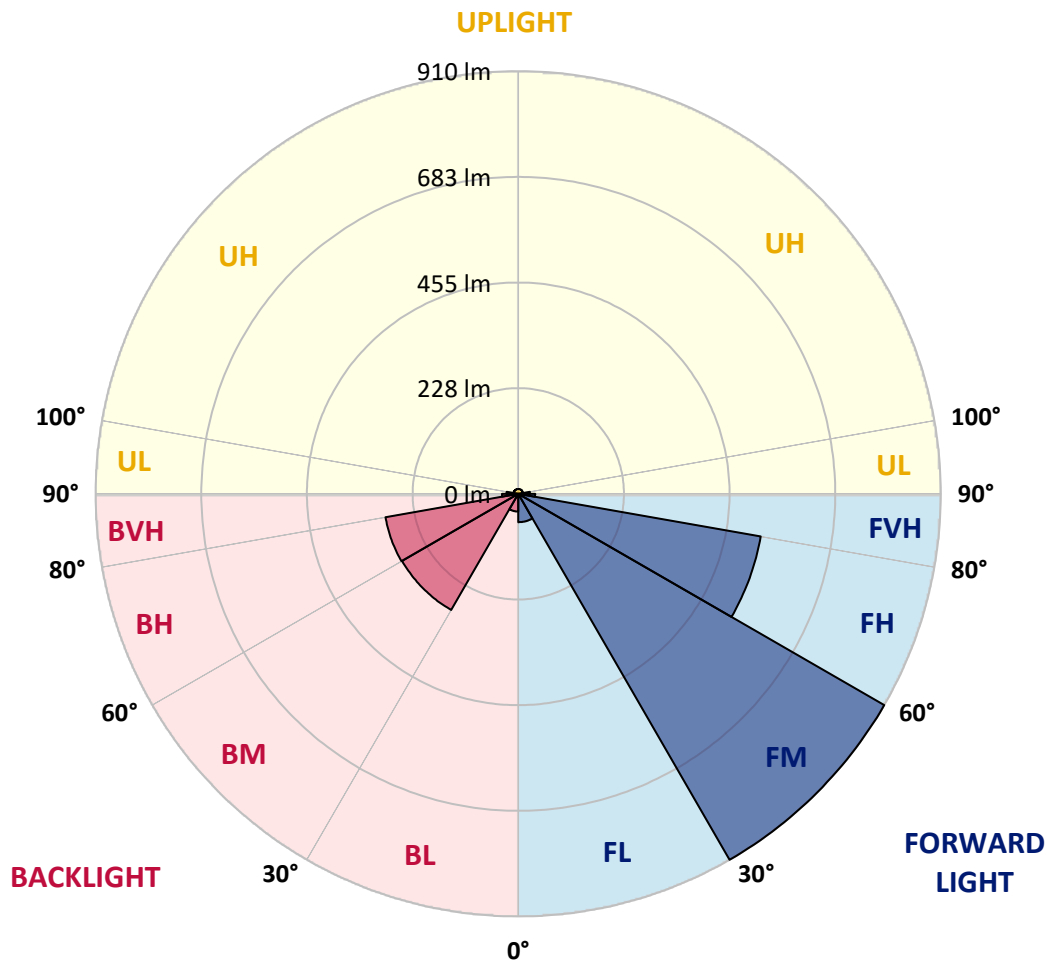


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.1	2.7			
FM (30°-60°)	910.5	40.9			
FH (60°-80°)	530.4	23.8			G0/660
FVH (80°-90°)	36.5	1.6			G1/100
BL (0°-30°)	38.2	1.7	B0/110		
BM (30°-60°)	289.0	13.0	B1/1000		
BH (60°-80°)	290.5	13.0	B1/500		G1/500
BVH (80°-90°)	35.1	1.6			G1/100
UL (90°-100°)	25.3	1.1		U2/50	
UH (100°-180°)	10.4	0.5		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8
5°	1.5	1.5	1.5	2.3	1.5	1.5	1.5	1.5	1.5	0.8	0.8
7.5°	3.0	2.3	2.3	2.3	2.3	1.5	1.5	1.5	1.5	0.8	0.8
10°	12.8	10.6	8.3	6.0	3.8	2.3	2.3	1.5	1.5	1.5	1.5
12.5°	55.8	53.5	52.8	49.7	16.6	6.0	3.8	6.0	7.5	10.6	12.8
15°	65.6	64.8	63.3	58.8	55.8	41.4	13.6	51.2	55.8	58.8	59.5
17.5°	119.8	109.3	84.4	73.1	64.8	59.5	56.5	65.6	67.1	68.6	70.8
20°	162.0	162.0	155.2	136.4	82.9	98.7	97.2	78.4	82.1	101.7	128.1
22.5°	202.7	200.5	187.6	173.3	170.3	118.3	113.0	137.2	139.4	152.2	152.2
25°	333.8	333.8	296.2	218.5	204.2	171.8	174.1	175.6	170.3	173.3	180.9
27.5°	396.4	391.1	376.8	333.1	253.2	238.9	206.5	205.7	244.9	253.2	258.5
30°	566.7	564.4	483.8	392.6	342.1	276.6	281.8	287.9	287.9	288.6	280.3
32.5°	685.0	688.0	646.6	522.2	401.7	339.9	341.4	318.8	326.3	378.3	382.1
35°	800.3	806.3	749.1	635.3	518.5	421.3	382.1	409.9	425.8	425.0	415.2
37.5°	917.1	912.6	862.1	734.0	607.4	484.6	465.7	482.3	474.8	484.6	453.7
40°	999.2	998.5	953.3	838.0	697.8	572.0	525.2	540.3	545.6	541.8	501.9
42.5°	1055.8	1050.5	1031.7	945.0	816.1	688.0	603.6	614.2	596.1	610.4	559.9
45°	1079.1	1072.3	1069.3	1003.8	918.6	865.1	715.1	694.0	673.7	702.3	627.7
47.5°	1047.5	1038.4	1055.8	1035.4	999.2	989.5	845.5	772.4	769.4	791.3	712.1
50°	945.0	929.2	975.9	1012.1	1037.7	1075.4	991.7	897.5	887.7	889.2	791.3
52.5°	782.2	783.0	838.7	904.3	1022.6	1090.4	1131.9	1055.0	1021.1	1004.5	871.1
55°	624.7	630.0	672.2	730.2	898.3	1075.4	1238.9	1232.9	1175.6	1116.1	956.3
57.5°	449.1	460.4	525.2	565.2	727.2	969.9	1292.4	1391.1	1341.4	1231.3	1047.5
60°	257.0	270.5	341.4	431.8	556.9	773.2	1266.0	1553.9	1499.6	1352.7	1138.7
62.5°	163.5	167.3	198.2	293.1	364.0	508.7	1154.5	1652.6	1625.5	1464.2	1237.4
65°	126.6	128.1	143.2	205.0	248.7	292.4	908.1	1624.7	1668.4	1541.1	1318.8
67.5°	116.1	116.1	120.6	146.9	188.4	184.6	587.0	1455.2	1580.3	1551.6	1345.9
70°	108.5	110.0	115.3	119.1	148.5	139.4	315.7	1151.5	1356.4	1448.4	1336.9
72.5°	95.0	96.5	103.2	113.0	115.3	113.0	176.3	765.6	1030.9	1216.3	1263.8
75°	80.6	81.4	85.9	101.7	101.0	91.2	146.2	457.4	682.7	892.2	1071.6
77.5°	66.3	68.6	73.9	82.1	91.9	72.3	130.4	269.0	389.6	561.4	743.0
80°	49.0	50.5	55.8	67.8	73.9	62.5	107.8	174.8	218.5	290.9	358.0
82.5°	35.4	36.2	40.7	49.0	52.8	53.5	84.4	140.9	150.0	160.5	161.3
85°	21.9	21.1	21.9	25.6	32.4	34.7	61.0	112.3	113.0	109.3	107.8
87.5°	9.8	9.8	7.5	9.0	10.6	10.6	31.7	88.9	88.9	84.4	87.4
90°	10.6	10.6	7.5	7.5	8.3	7.5	18.1	75.4	79.9	79.9	88.2
92.5°	11.3	10.6	8.3	7.5	7.5	6.8	11.3	60.3	72.3	79.9	91.2
95°	10.6	10.6	7.5	6.8	6.8	6.0	9.0	41.4	58.0	64.8	77.6
97.5°	7.5	7.5	5.3	5.3	6.0	5.3	6.8	17.3	22.6	29.4	39.2
100°	5.3	5.3	3.8	3.8	3.8	3.8	4.5	7.5	9.0	7.5	9.0
102.5°	4.5	5.3	3.0	3.0	3.0	2.3	3.0	3.8	4.5	5.3	6.8
105°	4.5	4.5	2.3	2.3	2.3	2.3	1.5	3.0	3.0	3.8	6.8
107.5°	3.0	3.0	2.3	2.3	1.5	1.5	1.5	2.3	3.0	3.8	6.8
110°	2.3	2.3	1.5	1.5	1.5	1.5	1.5	2.3	3.0	3.0	5.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3	3.8
115°	1.5	1.5	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.8
117.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
120°	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
122.5°	2.3	2.3	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.8
125°	2.3	2.3	1.5	0.8	0.8	0.8	0.8	1.5	1.5	2.3	3.0
127.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	3.0
130°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	3.0
132.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3
135°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
137.5°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
140°	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	1.5	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	2.3	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5
10°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
12.5°	12.1	11.3	9.8	5.3	2.3	1.5	1.5	1.5	2.3	3.0	3.0
15°	61.0	61.8	60.3	54.3	13.6	3.8	2.3	6.8	25.6	44.5	30.9
17.5°	70.8	71.6	70.1	68.6	62.5	27.9	18.1	59.5	61.8	66.3	64.8
20°	130.4	128.9	107.8	79.9	72.3	67.1	56.5	68.6	72.3	73.9	73.9
22.5°	151.5	150.7	147.7	139.4	85.9	100.2	89.7	75.4	123.6	129.6	128.9
25°	175.6	171.1	162.8	155.2	148.5	110.0	110.8	119.8	126.6	127.4	127.4
27.5°	251.7	245.7	232.1	192.9	174.1	137.2	138.7	122.8	123.6	148.5	153.0
30°	273.5	263.8	249.4	241.9	200.5	161.3	132.6	140.9	145.4	144.7	146.2
32.5°	364.7	350.4	300.7	270.5	220.8	156.0	138.7	136.4	136.4	148.5	150.0
35°	393.4	372.3	345.1	337.6	224.6	153.0	131.1	133.4	150.7	153.0	152.2
37.5°	427.3	397.9	370.8	352.7	235.1	141.7	124.3	134.1	139.4	139.4	138.7
40°	465.0	435.6	407.7	357.2	223.8	130.4	125.1	127.4	131.1	128.9	128.1
42.5°	520.0	480.8	455.9	357.2	195.2	123.6	122.1	122.1	125.1	122.8	122.1
45°	587.0	541.8	496.6	351.9	165.8	119.8	120.6	119.8	122.8	119.8	119.1
47.5°	657.9	611.2	533.5	339.1	143.2	116.8	122.8	119.1	119.8	115.3	114.5
50°	738.5	688.0	572.0	316.5	130.4	116.8	122.1	119.8	117.6	113.0	112.3
52.5°	819.9	768.7	617.2	288.6	121.3	114.5	122.8	122.1	119.1	112.3	112.3
55°	903.5	868.1	669.2	264.5	111.5	113.8	126.6	126.6	120.6	111.5	110.8
57.5°	993.2	969.1	726.5	255.5	102.5	109.3	132.6	134.1	122.8	110.8	110.8
60°	1098.0	1107.8	787.5	244.9	96.5	105.5	135.6	140.9	125.8	110.8	110.8
62.5°	1228.3	1256.2	844.8	220.8	91.2	100.2	138.7	148.5	134.9	123.6	124.3
65°	1330.8	1347.4	865.1	177.1	85.9	102.5	146.2	157.5	140.9	139.4	143.2
67.5°	1387.3	1379.8	834.2	134.9	79.9	101.0	143.9	163.5	147.7	151.5	153.7
70°	1385.8	1330.8	731.7	104.0	74.6	99.5	146.2	161.3	151.5	162.0	168.8
72.5°	1289.4	1164.3	554.6	90.4	74.6	98.0	142.4	155.2	152.2	162.8	168.0
75°	1036.2	884.7	380.6	79.1	70.8	93.4	135.6	144.7	138.7	147.7	150.7
77.5°	686.5	581.8	212.5	71.6	70.1	85.9	123.6	128.1	121.3	127.4	129.6
80°	321.8	268.3	118.3	66.3	67.8	76.1	101.7	108.5	98.0	104.0	104.0
82.5°	147.7	136.4	89.7	60.3	61.0	58.0	79.1	89.7	79.9	82.9	79.9
85°	99.5	100.2	71.6	51.2	49.7	41.4	62.5	69.3	60.3	62.5	52.8
87.5°	86.7	88.9	57.3	33.2	28.6	25.6	40.7	42.2	30.9	25.6	24.9
90°	88.9	89.7	52.8	24.9	17.3	13.6	21.9	21.1	13.6	12.1	12.1
92.5°	91.9	91.9	53.5	26.4	17.3	12.8	19.6	15.8	12.1	10.6	10.6
95°	83.6	79.1	46.7	26.4	16.6	11.3	15.8	13.6	10.6	10.6	9.8
97.5°	51.2	46.7	34.7	26.4	13.6	9.8	12.1	10.6	7.5	6.8	6.8
100°	14.3	12.1	21.9	21.1	9.8	6.8	8.3	6.8	4.5	3.8	3.0
102.5°	6.8	6.8	11.3	13.6	5.3	3.8	4.5	4.5	3.8	3.8	3.0
105°	6.8	6.8	5.3	6.0	3.0	2.3	2.3	3.0	3.0	3.8	3.8
107.5°	6.8	7.5	4.5	3.0	3.0	2.3	1.5	2.3	3.0	3.8	4.5
110°	6.0	6.0	3.8	3.0	2.3	2.3	1.5	2.3	3.0	4.5	4.5

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CANDELA DISTRIBUTION (continued):

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