

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: P415273

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3392 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 40
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: 28.75 FT

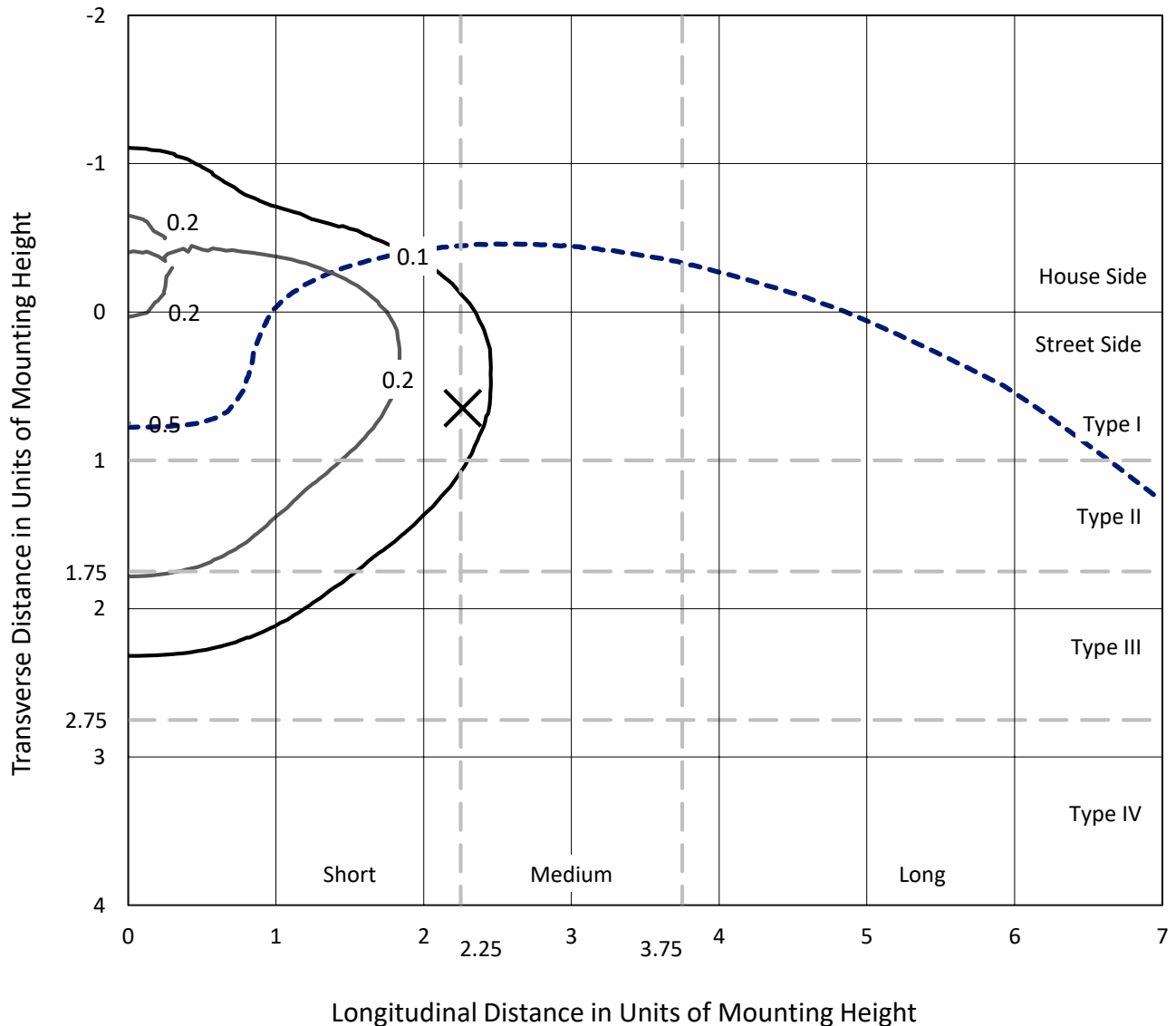


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

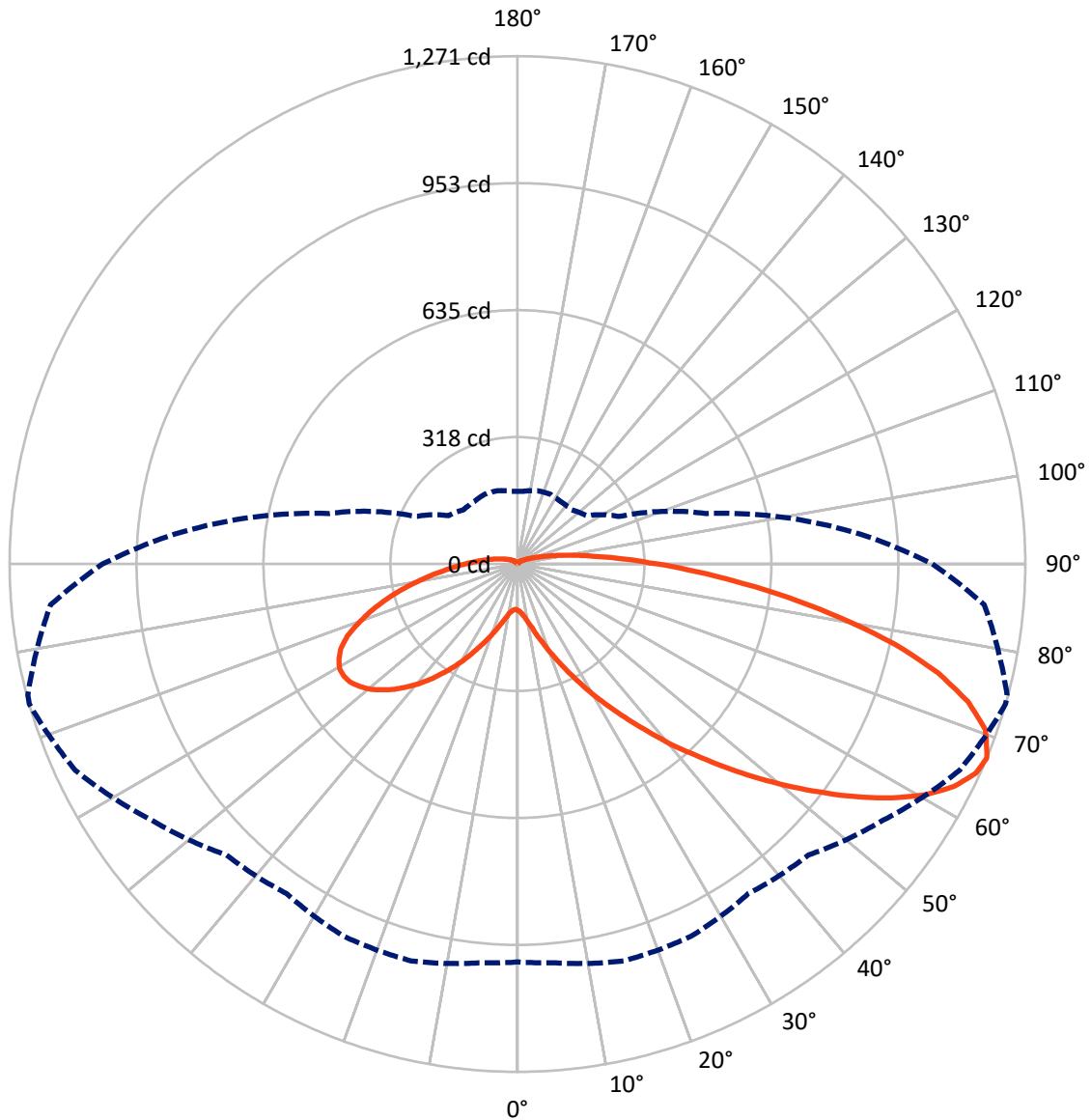


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	791.0	95.1	886.0
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	2289.1	216.9	2505.9
	% Fixture	67.5	6.4	73.9
Total	Lumens	3080.0	311.9	3392.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.4
10°-20°	49.4	1.5
20°-30°	122.7	3.6
30°-40°	239.7	7.1
40°-50°	396.4	11.7
50°-60°	574.6	16.9
60°-70°	695.4	20.5
70°-80°	618.2	18.2
80°-90°	371.4	10.9
90°-100°	170.5	5.0
100°-110°	75.9	2.2
110°-120°	36.2	1.1
120°-130°	18.0	0.5
130°-140°	8.2	0.2
140°-150°	2.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3080.0	90.8
0°-180°	3392.0	100.0



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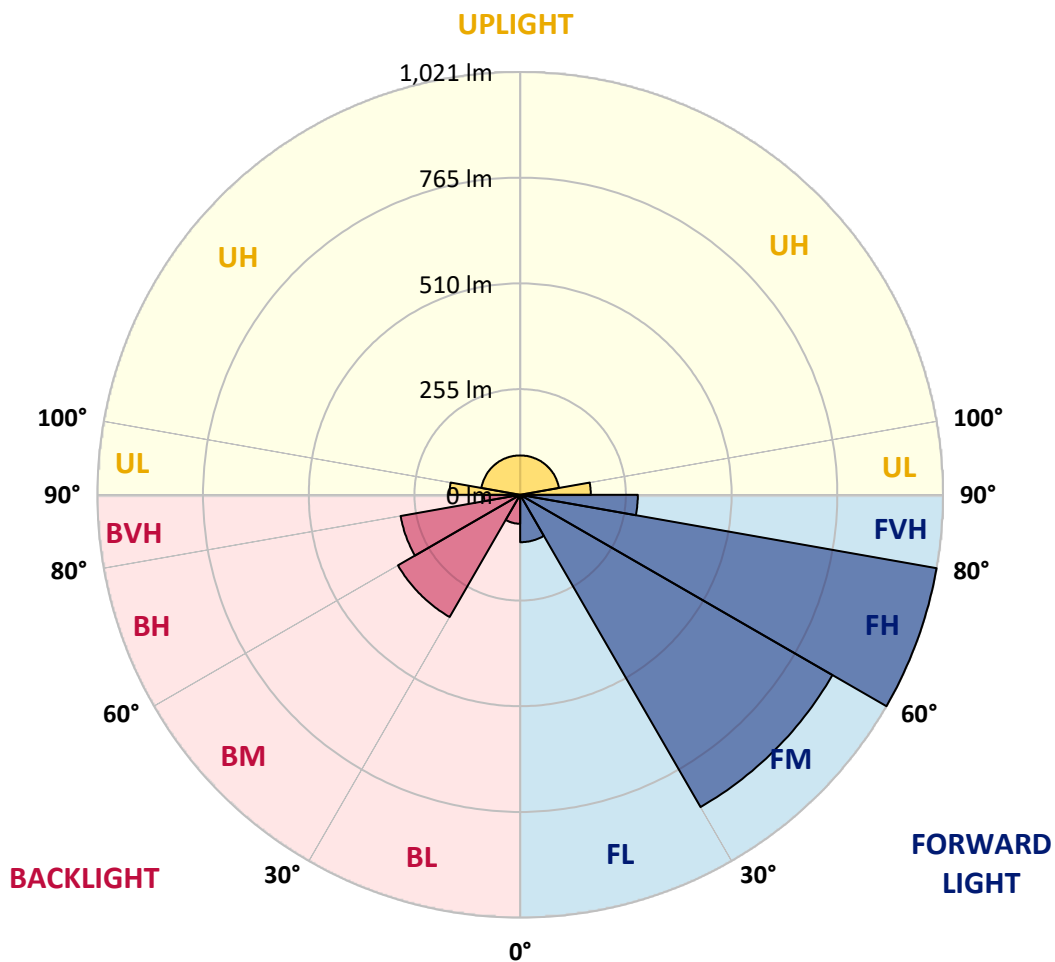
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.4	3.4			
FM	(30°-60°)	870.3	25.7			
FH	(60°-80°)	1020.6	30.1			G1/1800
FVH	(80°-90°)	283.9	8.4			G3/500
BL	(0°-30°)	69.9	2.1	B0/110		
BM	(30°-60°)	340.5	10.0	B1/1000		
BH	(60°-80°)	293.1	8.6	B1/500		G1/500
BVH	(80°-90°)	87.5	2.6			G1/100
UL	(90°-100°)	170.5	5.0		U3/500	
UH	(100°-180°)	95.1	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	127.6	126.4	126.4	125.6	125.2	124.0	123.2	120.4	119.2	119.2	117.1
5°	141.3	140.5	138.9	138.9	137.3	135.7	132.4	128.8	126.0	125.6	122.0
7.5°	158.2	156.2	156.2	154.2	151.8	148.9	144.5	139.7	135.3	134.8	129.2
10°	177.5	176.7	175.9	173.1	169.9	164.2	160.2	153.4	148.1	147.7	140.1
12.5°	201.3	200.1	197.6	194.8	189.2	185.2	177.9	170.3	163.4	163.8	155.0
15°	227.0	226.2	224.6	220.2	213.7	208.1	200.9	192.8	186.0	183.2	173.9
17.5°	256.4	254.8	252.8	248.0	240.7	235.1	225.4	217.8	208.9	209.3	196.0
20°	291.0	289.4	286.6	279.0	272.5	264.9	254.8	246.4	236.3	235.5	222.2
22.5°	325.2	326.1	319.2	311.2	305.1	296.3	286.6	275.7	266.9	266.1	250.8
25°	367.5	364.7	357.9	348.6	339.3	328.5	320.0	310.4	301.9	301.1	283.0
27.5°	411.8	409.4	400.1	388.4	376.0	363.9	356.6	346.6	340.1	338.9	320.4
30°	460.1	456.1	447.6	431.9	414.6	400.9	393.7	390.1	384.0	382.4	363.5
32.5°	514.4	509.2	496.7	477.8	452.9	437.6	434.3	431.1	428.7	426.3	408.6
35°	568.4	566.8	548.3	524.9	500.4	480.2	474.6	479.8	478.2	476.6	457.7
37.5°	625.1	628.0	607.8	577.2	543.4	522.1	518.1	527.7	532.2	532.2	509.6
40°	692.0	689.5	669.4	632.0	592.5	567.6	568.8	583.3	594.1	591.7	569.6
42.5°	758.4	753.1	726.6	689.9	640.0	615.1	615.1	637.2	653.7	654.1	630.8
45°	823.6	818.0	793.0	745.1	690.8	663.8	669.4	696.4	723.4	719.7	696.8
47.5°	883.2	880.7	855.0	803.9	742.7	714.5	725.8	766.0	795.4	795.4	770.1
50°	941.5	938.3	914.2	856.6	795.0	767.2	784.1	833.2	870.7	872.7	843.3
52.5°	991.8	989.8	967.3	910.1	846.5	818.4	843.7	905.3	948.4	952.8	921.8
55°	1028.1	1029.3	1012.0	957.6	893.2	869.9	904.5	977.0	1028.1	1028.9	995.5
57.5°	1054.6	1056.3	1044.6	997.5	934.3	916.6	963.3	1046.2	1104.2	1107.8	1063.9
60°	1065.9	1068.7	1065.1	1025.7	970.9	959.6	1016.0	1108.2	1172.6	1173.8	1121.1
62.5°	1059.9	1062.7	1069.9	1041.8	997.5	997.1	1067.1	1162.1	1226.1	1227.7	1164.5
65°	1032.5	1036.9	1055.0	1041.8	1007.1	1020.4	1100.9	1203.6	1261.1	1263.2	1181.4
67°	995.9	1001.5	1028.1	1027.7	1007.1	1029.7	1117.4	1220.9	1270.8	1268.4	1172.6
67.5°	987.4	993.1	1019.6	1023.6	1004.3	1030.9	1119.5	1222.9	1267.2	1266.8	1167.0
70°	915.8	925.8	964.5	983.8	983.4	1021.2	1118.6	1212.0	1242.6	1238.6	1119.9
72.5°	833.2	845.7	892.8	929.9	941.9	991.0	1089.3	1169.0	1179.0	1174.2	1031.7
75°	748.3	755.2	804.3	857.0	887.6	939.9	1034.1	1100.5	1086.4	1074.8	921.4
77.5°	658.5	661.4	716.1	775.3	812.3	872.7	952.0	1000.3	965.7	956.0	795.8
80°	554.3	566.0	620.7	682.3	728.2	782.9	849.8	878.7	820.8	811.9	662.2
82.5°	469.0	476.2	526.1	586.5	638.0	689.5	733.0	740.7	679.9	673.4	532.2
85°	382.8	389.3	441.6	497.5	545.8	588.9	617.9	606.6	543.4	536.6	420.6
87.5°	316.8	321.6	357.9	414.6	457.3	488.3	503.6	489.5	429.1	419.4	324.8
90°	251.2	258.4	291.0	338.9	382.4	402.5	404.1	380.8	331.3	324.0	248.8
92.5°	202.9	207.7	238.7	278.6	312.8	328.1	324.0	304.3	258.8	250.4	192.4
95°	164.2	168.3	194.0	229.0	256.8	270.9	259.6	233.5	197.6	194.4	148.5
97.5°	136.5	137.3	157.4	188.8	210.9	218.2	209.3	185.6	154.6	148.1	113.9
100°	111.5	112.3	129.2	153.0	173.1	177.9	169.1	146.1	120.0	115.9	89.4
102.5°	90.6	92.6	105.5	126.8	141.7	145.3	136.1	115.9	92.6	89.8	69.6
105°	76.9	77.3	88.6	104.7	117.9	120.8	111.5	94.2	72.9	71.2	55.5
107.5°	65.2	65.2	74.1	88.2	98.6	100.2	93.0	76.9	57.6	56.0	45.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	56.0	56.4	62.8	74.1	83.7	84.9	77.7	61.6	45.9	44.7	36.6
112.5°	48.7	49.5	53.9	62.8	71.2	72.5	65.2	50.3	37.4	35.8	30.6
115°	43.1	43.5	46.7	53.9	60.8	61.6	54.3	41.5	30.2	29.0	25.8
117.5°	38.2	38.6	41.1	47.1	52.3	52.7	45.5	34.2	25.4	24.2	22.5
120°	34.6	34.6	36.6	40.7	45.1	45.1	38.2	28.2	20.9	20.5	19.3
122.5°	31.4	31.4	32.6	35.4	38.6	37.8	31.8	23.3	17.7	17.3	16.9
125°	28.6	28.6	29.4	31.0	33.0	31.8	26.2	19.3	15.3	14.9	14.9
127.5°	25.8	25.8	26.2	27.4	27.8	26.6	21.7	16.1	13.3	12.9	13.3
130°	23.3	23.3	23.3	23.3	23.3	22.5	17.7	13.3	11.3	11.3	11.7
132.5°	20.9	20.9	20.5	20.1	19.7	18.1	14.5	10.9	10.1	10.1	10.5
135°	18.5	18.5	18.1	17.3	16.1	14.1	10.9	8.9	8.5	8.5	8.9
137.5°	16.1	16.1	15.7	14.5	12.9	10.9	8.5	7.2	7.2	7.2	7.6
140°	13.7	13.7	13.3	12.1	10.1	8.1	6.4	5.6	6.0	6.0	6.4
142.5°	11.7	11.3	10.9	9.7	7.6	5.6	4.4	4.4	4.8	4.8	5.2
145°	9.3	8.9	8.5	7.2	5.6	4.0	3.2	3.2	3.6	3.6	4.0
147.5°	7.2	6.8	6.4	5.2	4.0	2.8	2.0	2.4	2.8	2.8	2.8
150°	4.8	4.8	4.8	4.0	2.4	1.6	1.2	1.6	1.6	1.6	2.0
152.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.8	0.8	1.2	1.2	1.2
155°	2.0	2.0	2.0	1.6	0.8	0.4	0.4	0.4	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.8	0.8	0.8	0.4	0.0	0.0	0.4	0.4	0.4
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°	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
2.5°	116.3	115.5	113.9	112.7	111.5	110.3	109.1	108.3	107.1	107.1	107.1
5°	120.4	118.3	115.1	112.7	109.9	107.9	105.5	103.9	102.6	102.2	102.2
7.5°	127.2	124.4	119.6	114.7	110.7	107.5	104.7	102.6	101.0	100.6	100.6
10°	136.9	133.2	125.6	120.0	114.7	110.3	106.7	103.9	102.6	101.8	101.8
12.5°	151.0	146.1	137.3	127.6	120.8	115.1	110.7	109.5	109.5	109.9	109.5
15°	167.9	163.0	151.0	139.7	129.6	123.2	120.8	120.8	120.4	121.2	121.2
17.5°	189.2	182.3	167.9	153.0	141.3	135.3	132.8	132.0	132.8	134.0	133.2
20°	214.6	204.5	186.4	167.9	155.4	149.3	145.3	144.5	145.7	146.5	146.9
22.5°	241.1	230.3	207.3	183.6	170.7	162.6	158.2	157.0	159.0	161.0	161.4
25°	271.3	259.2	229.8	202.5	184.4	173.5	169.5	169.1	172.3	175.1	175.1
27.5°	307.9	291.8	254.4	223.0	199.7	185.2	180.7	181.1	185.6	188.0	188.8
30°	346.2	328.1	282.6	241.9	211.7	194.4	189.6	191.6	196.0	200.9	201.7
32.5°	389.3	367.9	310.0	260.8	222.6	201.7	196.4	200.5	205.3	210.9	211.7
35°	434.3	405.8	338.1	278.2	231.5	207.3	201.3	206.1	212.1	217.4	219.0
37.5°	485.5	451.6	368.7	292.2	238.3	210.5	204.1	209.7	216.6	221.8	222.2
40°	537.8	498.7	397.7	305.5	243.1	212.5	205.7	211.3	217.8	222.2	222.6
42.5°	592.5	546.6	424.7	316.4	245.5	212.5	204.9	210.5	216.6	219.0	219.4
45°	656.5	597.4	452.4	324.0	246.4	211.7	203.7	208.1	212.5	213.3	214.6
47.5°	720.9	647.7	476.2	329.7	245.9	209.7	201.7	205.3	208.1	207.3	208.5
50°	789.0	702.4	499.1	333.3	243.9	207.7	198.9	202.1	202.9	200.5	200.5
52.5°	854.2	749.9	516.9	333.7	241.1	205.3	196.8	199.3	198.9	194.4	194.8
55°	919.4	800.6	531.7	330.1	237.1	202.9	194.8	196.4	195.2	190.0	189.2
57.5°	975.3	841.7	538.2	324.8	232.7	200.5	193.6	195.2	192.8	186.8	186.4
60°	1022.8	873.5	538.6	317.6	227.4	198.4	192.4	194.4	192.4	185.2	184.4
62.5°	1052.2	888.0	528.1	306.3	222.2	196.0	192.4	194.0	191.6	184.4	184.0
65°	1057.1	880.7	511.2	293.4	216.2	193.6	191.6	193.6	191.2	183.6	182.8
67°	1038.1	859.8	488.3	281.4	210.9	191.6	190.0	192.8	190.0	182.8	181.5
67.5°	1031.7	850.2	483.0	279.8	209.7	190.8	189.6	192.0	189.6	182.3	181.1
70°	975.3	797.4	443.6	262.1	202.1	186.8	186.8	188.8	186.4	179.5	177.5
72.5°	888.4	723.4	404.1	245.1	193.6	180.7	181.9	184.0	181.5	175.1	172.7
75°	787.8	640.0	360.3	225.4	184.0	174.7	175.5	177.5	175.1	168.3	166.2
77.5°	675.9	543.8	316.0	207.3	173.9	166.6	167.1	168.3	166.2	159.4	157.4
80°	555.9	448.4	270.9	186.8	162.2	156.6	157.0	157.0	154.2	148.5	146.9
82.5°	448.0	364.3	231.1	168.7	149.3	145.3	145.3	144.9	141.3	136.5	134.0
85°	348.6	293.9	193.6	150.1	136.5	132.8	132.4	130.8	127.2	122.0	119.2
87.5°	273.3	232.7	163.0	132.4	123.6	121.2	118.7	115.1	112.3	107.9	105.5
90°	213.3	184.8	137.7	116.3	111.1	107.9	105.5	101.0	96.6	92.2	91.0
92.5°	167.1	146.1	114.7	101.4	98.2	95.8	92.6	87.8	83.7	78.5	78.9
95°	132.4	118.7	97.8	89.4	86.9	84.9	80.9	75.7	71.2	66.4	65.6
97.5°	103.9	94.6	82.1	77.7	76.9	74.5	70.4	65.2	60.4	55.1	55.1
100°	82.5	77.3	69.2	68.4	66.8	65.2	61.2	56.4	50.3	45.9	45.9
102.5°	66.4	62.0	59.2	59.2	58.8	57.2	53.1	48.3	42.3	37.8	37.8
105°	53.1	51.5	50.3	51.5	51.9	50.3	46.3	41.1	35.0	31.0	31.8
107.5°	44.3	43.1	43.1	44.7	45.5	43.9	40.3	34.6	29.0	26.2	26.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.6	36.2	37.0	39.0	39.4	38.2	34.6	29.4	24.2	21.7	22.1
112.5°	31.0	30.6	32.2	34.2	34.6	33.4	29.8	25.0	20.1	18.5	18.5
115°	26.2	26.6	27.8	29.4	30.2	29.0	25.8	21.3	16.5	15.7	15.7
117.5°	22.5	22.9	24.2	26.2	26.6	25.0	21.7	17.7	14.1	13.7	13.7
120°	19.7	20.1	21.3	22.5	22.9	21.3	18.5	14.9	12.1	11.7	11.7
122.5°	17.3	18.1	18.9	19.7	20.1	18.5	16.1	12.5	10.1	10.1	10.5
125°	15.3	15.7	16.5	17.3	17.3	15.7	13.3	10.5	8.9	8.9	8.9
127.5°	13.7	13.7	14.1	14.9	14.9	13.7	11.3	8.5	7.6	7.6	8.1
130°	12.1	12.5	12.5	12.5	12.5	11.3	9.3	7.2	6.4	6.8	6.8
132.5°	10.5	10.9	10.9	10.9	10.5	9.3	7.6	6.0	5.6	6.0	6.0
135°	9.3	9.3	9.3	9.3	8.5	7.6	6.0	4.8	4.8	5.2	5.2
137.5°	8.1	8.1	8.1	7.6	6.8	6.0	4.8	4.0	4.0	4.4	4.4
140°	6.4	6.8	6.4	6.0	5.2	4.4	3.6	3.2	3.6	3.6	3.6
142.5°	5.2	5.2	5.2	4.8	4.0	3.2	2.8	2.4	2.8	2.8	3.2
145°	4.0	4.0	4.0	3.6	2.8	2.0	2.0	2.0	2.4	2.4	2.4
147.5°	2.8	2.8	2.8	2.4	1.6	1.2	1.2	1.2	1.6	1.6	1.6
150°	2.0	2.0	2.0	1.6	0.8	0.4	0.4	0.8	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.8	0.4	0.0	0.4	0.8	0.8	0.4	0.4
155°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.0	0.0
157.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
160°	0.4	0.4	0.4	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)