

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: P694818

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694818
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-PA16-30-730-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA 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: 3217 lumens
Efficiency: N/A
Efficacy: 110.2 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 - G3

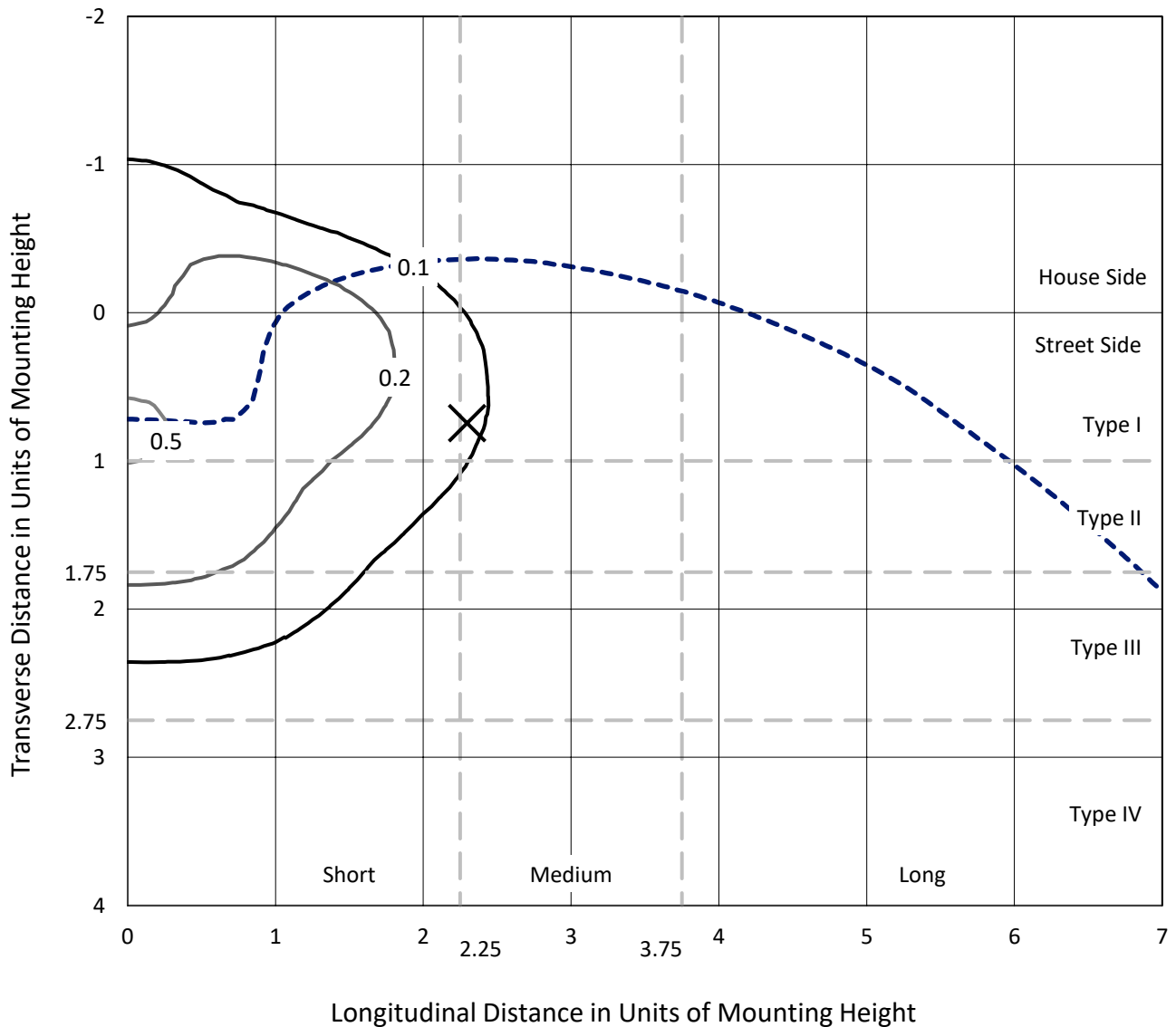
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

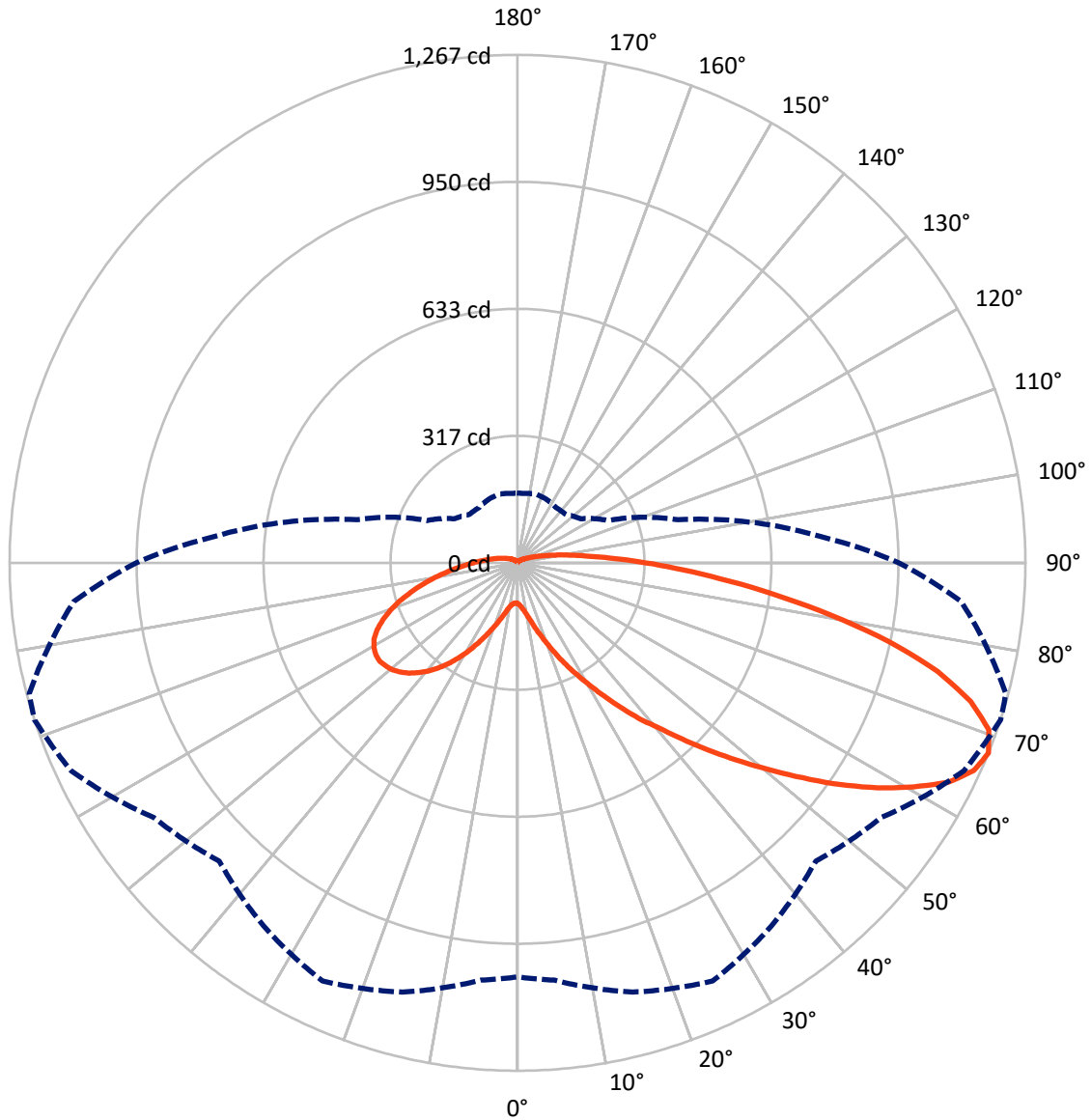
× Max cd
 - - - 1/2 Max cd



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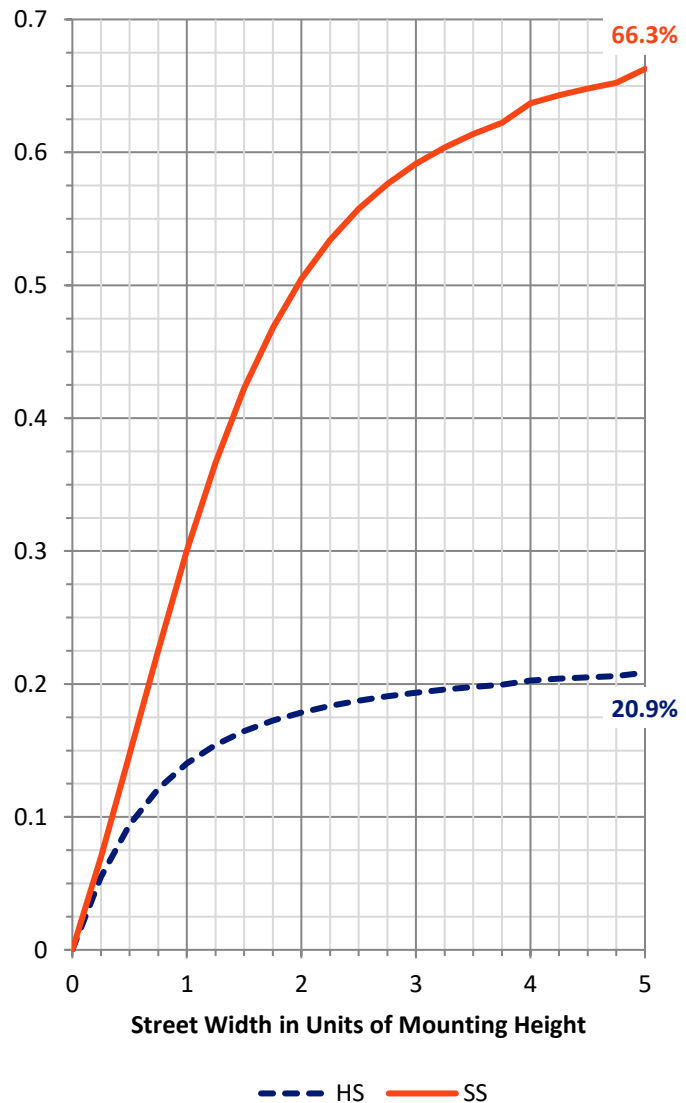
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	710.6	95.2	805.8
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2252.4	158.8	2411.2
	% Fixture	70.0	4.9	75.0
Total	Lumens	2963.0	254.0	3217.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.3
10°-20°	44.1	1.4
20°-30°	113.0	3.5
30°-40°	226.9	7.1
40°-50°	382.0	11.9
50°-60°	564.2	17.5
60°-70°	695.2	21.6
70°-80°	600.2	18.7
80°-90°	326.6	10.2
90°-100°	138.8	4.3
100°-110°	60.8	1.9
110°-120°	29.3	0.9
120°-130°	14.9	0.5
130°-140°	7.3	0.2
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2963.0	92.1
0°-180°	3217.0	100.0

Coefficient of Utilization

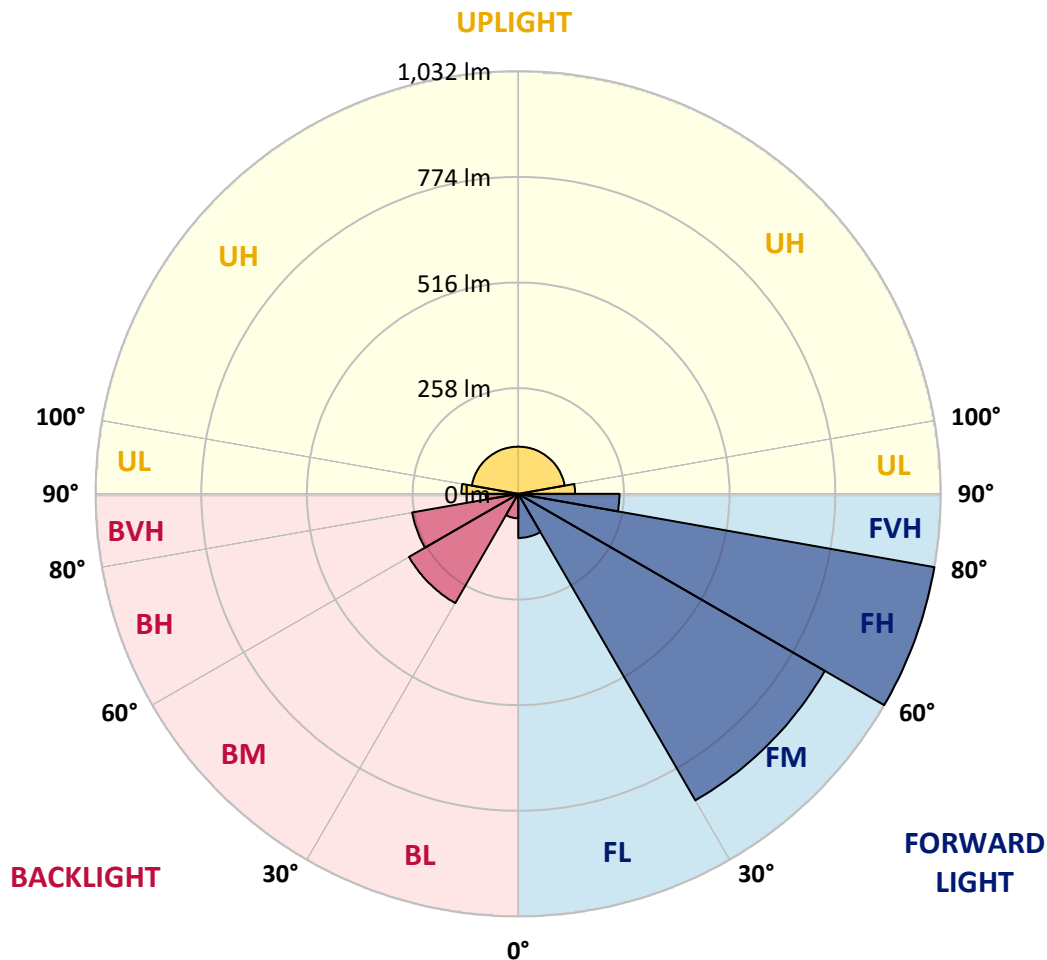


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.9	3.4			
FM (30°-60°)	864.9	26.9			
FH (60°-80°)	1032.4	32.1			G1/1800
FVH (80°-90°)	247.2	7.7			G3/500
BL (0°-30°)	59.9	1.9	B0/110		
BM (30°-60°)	308.3	9.6	B1/1000		
BH (60°-80°)	263.0	8.2	B1/500		G1/500
BVH (80°-90°)	79.4	2.5			G1/100
UL (90°-100°)	138.8	4.3		U3/500	
UH (100°-180°)	115.2	3.6		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°	72°	75°	85°
0°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	111.1	111.1	111.1	109.9	108.7	108.7	107.5	106.4	105.2	104.0	102.8
5°	124.1	124.1	122.9	122.9	120.5	119.4	117.0	113.5	112.3	111.1	107.5
7.5°	140.6	140.6	138.3	138.3	134.7	132.4	128.8	124.1	120.5	119.4	114.6
10°	159.5	158.4	158.4	154.8	151.3	148.9	143.0	137.1	133.5	131.2	125.3
12.5°	184.4	183.2	180.8	177.3	172.5	166.6	160.7	154.8	148.9	146.5	139.5
15°	211.5	211.5	209.2	203.3	197.4	189.1	182.0	174.9	170.2	167.8	158.4
17.5°	243.4	242.3	239.9	232.8	223.4	215.1	206.8	198.5	192.6	190.3	179.6
20°	282.4	281.3	274.2	263.5	255.3	243.4	232.8	223.4	218.6	216.3	204.4
22.5°	325.0	322.6	315.5	302.5	286.0	274.2	262.4	252.9	248.2	244.6	234.0
25°	373.4	369.9	360.4	340.4	321.4	304.9	293.1	283.6	281.3	278.9	264.7
27.5°	426.6	424.3	411.3	386.4	360.4	341.5	326.2	320.3	315.5	313.2	297.8
30°	488.1	484.5	464.4	436.1	401.8	374.6	360.4	356.9	353.4	354.5	340.4
32.5°	548.3	548.3	523.5	485.7	443.2	411.3	394.7	397.1	395.9	395.9	379.4
35°	613.3	614.5	583.8	542.4	486.9	450.3	433.7	439.6	442.0	440.8	424.3
37.5°	681.9	679.5	648.8	596.8	533.0	488.1	473.9	482.2	492.8	489.3	473.9
40°	757.5	752.8	723.3	655.9	583.8	529.4	516.4	533.0	540.1	544.8	523.5
42.5°	826.1	823.7	789.4	719.7	634.6	573.2	559.0	581.4	600.3	601.5	580.3
45°	893.4	888.7	860.3	782.3	684.3	622.8	611.0	642.9	665.3	667.7	644.1
47.5°	954.9	954.9	923.0	846.2	745.7	672.4	664.2	706.7	735.1	737.4	711.4
50°	1018.7	1016.3	989.2	911.2	803.6	726.8	723.3	777.6	809.5	813.1	778.8
52.5°	1066.0	1066.0	1048.2	975.0	859.2	780.0	785.9	849.7	891.1	900.5	855.6
55°	1107.3	1108.5	1096.7	1030.5	923.0	837.9	846.2	926.5	976.2	989.2	932.4
57.5°	1134.5	1135.7	1139.2	1087.2	978.5	891.1	912.3	1008.1	1058.9	1069.5	1005.7
60°	1145.1	1148.7	1165.2	1131.0	1028.2	946.6	975.0	1081.3	1134.5	1146.3	1064.8
62.5°	1134.5	1140.4	1173.5	1161.7	1073.1	993.9	1031.7	1148.7	1205.4	1210.1	1112.1
65°	1102.6	1109.7	1154.6	1168.8	1099.1	1031.7	1081.3	1200.7	1250.3	1251.5	1127.4
67.5°	1032.9	1044.7	1108.5	1151.1	1105.0	1051.8	1107.3	1227.9	1266.9	1261.0	1110.9
70°	947.8	957.2	1030.5	1099.1	1083.7	1048.2	1110.9	1222.0	1246.8	1232.6	1055.3
72.5°	829.6	840.2	926.5	1016.3	1029.3	1019.9	1081.3	1181.8	1181.8	1160.5	969.1
75°	702.0	722.1	798.9	905.2	952.5	957.2	1023.4	1099.1	1082.5	1051.8	847.3
77.5°	577.9	585.0	660.6	778.8	840.2	868.6	927.7	978.5	949.0	912.3	718.5
80°	459.7	465.6	534.2	642.9	720.9	769.3	817.8	834.3	793.0	756.3	586.2
82.5°	356.9	364.0	425.4	521.2	599.2	647.6	687.8	691.3	642.9	609.8	466.8
85°	268.3	275.4	327.4	412.4	485.7	536.5	561.3	559.0	505.8	478.6	361.6
87.5°	208.0	206.8	249.4	316.7	385.3	425.4	444.4	429.0	392.4	368.7	277.7
90°	154.8	159.5	192.6	247.0	300.2	334.4	349.8	332.1	301.4	282.4	213.9
92.5°	119.4	121.7	151.3	192.6	237.5	267.1	277.7	257.6	228.1	217.4	164.3
95°	93.4	95.7	117.0	151.3	184.4	206.8	212.7	197.4	173.7	165.4	127.6
97.5°	75.6	76.8	92.2	120.5	146.5	164.3	166.6	151.3	135.9	126.5	100.5
100°	60.3	60.3	74.5	95.7	115.8	130.0	128.8	119.4	106.4	99.3	78.0
102.5°	49.6	49.6	60.3	79.2	94.5	105.2	105.2	93.4	82.7	76.8	61.5
105°	41.4	41.4	49.6	63.8	78.0	86.3	85.1	75.6	65.0	60.3	48.5
107.5°	35.5	35.5	41.4	53.2	63.8	70.9	69.7	60.3	52.0	48.5	40.2
110°	30.7	30.7	35.5	44.9	54.4	59.1	57.9	48.5	41.4	39.0	33.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	26.0	27.2	29.5	37.8	46.1	50.8	48.5	40.2	33.1	30.7	28.4
115°	23.6	23.6	26.0	31.9	39.0	42.5	40.2	33.1	27.2	26.0	23.6
117.5°	21.3	21.3	23.6	28.4	34.3	36.6	34.3	27.2	23.6	21.3	20.1
120°	18.9	18.9	20.1	24.8	28.4	30.7	28.4	22.5	18.9	18.9	17.7
122.5°	17.7	17.7	18.9	21.3	24.8	26.0	23.6	18.9	16.5	16.5	16.5
125°	15.4	16.5	16.5	18.9	21.3	22.5	20.1	16.5	14.2	14.2	14.2
127.5°	14.2	14.2	15.4	16.5	17.7	18.9	16.5	14.2	13.0	11.8	13.0
130°	13.0	13.0	13.0	14.2	15.4	15.4	14.2	11.8	10.6	10.6	11.8
132.5°	11.8	11.8	11.8	11.8	13.0	13.0	11.8	9.5	9.5	9.5	10.6
135°	10.6	10.6	10.6	10.6	10.6	10.6	9.5	8.3	8.3	8.3	9.5
137.5°	9.5	9.5	9.5	9.5	8.3	8.3	7.1	7.1	7.1	7.1	8.3
140°	8.3	8.3	8.3	7.1	7.1	5.9	5.9	5.9	5.9	5.9	7.1
142.5°	7.1	7.1	7.1	5.9	4.7	4.7	4.7	4.7	4.7	4.7	5.9
145°	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5	3.5	3.5	4.7
147.5°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	3.5	3.5	2.4	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4
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°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	102.8	101.6	100.5	99.3	98.1	98.1	96.9	95.7	95.7	95.7	94.5
5°	106.4	104.0	101.6	99.3	95.7	94.5	92.2	91.0	89.8	88.6	88.6
7.5°	112.3	109.9	105.2	100.5	96.9	93.4	89.8	87.5	86.3	85.1	85.1
10°	121.7	118.2	111.1	105.2	99.3	94.5	91.0	87.5	86.3	85.1	83.9
12.5°	134.7	131.2	121.7	112.3	105.2	98.1	93.4	89.8	87.5	86.3	86.3
15°	153.6	147.7	135.9	124.1	113.5	105.2	99.3	95.7	94.5	93.4	93.4
17.5°	173.7	165.4	152.5	137.1	125.3	114.6	107.5	105.2	102.8	101.6	101.6
20°	197.4	187.9	171.4	152.5	137.1	126.5	118.2	113.5	111.1	109.9	109.9
22.5°	223.4	215.1	191.4	170.2	151.3	139.5	127.6	121.7	119.4	118.2	119.4
25°	254.1	242.3	215.1	189.1	166.6	150.1	138.3	130.0	128.8	127.6	128.8
27.5°	288.4	273.0	241.1	206.8	180.8	160.7	147.7	139.5	138.3	137.1	138.3
30°	325.0	310.8	268.3	228.1	195.0	170.2	156.0	148.9	146.5	147.7	146.5
32.5°	365.2	342.7	295.4	247.0	206.8	177.3	161.9	156.0	156.0	157.2	157.2
35°	408.9	384.1	322.6	264.7	216.3	184.4	167.8	163.1	163.1	165.4	165.4
37.5°	452.6	423.1	349.8	278.9	223.4	187.9	172.5	169.0	169.0	172.5	172.5
40°	499.9	464.4	374.6	291.9	229.3	191.4	174.9	173.7	174.9	178.4	178.4
42.5°	550.7	504.6	397.1	301.4	231.6	192.6	177.3	177.3	179.6	182.0	183.2
45°	603.9	548.3	419.5	307.3	232.8	192.6	178.4	178.4	183.2	185.5	185.5
47.5°	661.8	592.1	437.3	310.8	231.6	191.4	178.4	180.8	184.4	186.7	186.7
50°	724.4	639.3	453.8	310.8	229.3	190.3	178.4	180.8	185.5	186.7	186.7
52.5°	785.9	685.4	464.4	307.3	225.7	187.9	177.3	180.8	185.5	185.5	185.5
55°	850.9	729.2	473.9	302.5	221.0	185.5	176.1	180.8	184.4	184.4	184.4
57.5°	902.9	764.6	475.1	295.4	216.3	183.2	174.9	179.6	183.2	182.0	182.0
60°	947.8	789.4	471.5	286.0	210.4	179.6	173.7	178.4	182.0	179.6	179.6
62.5°	977.3	800.1	460.9	275.4	204.4	177.3	172.5	177.3	180.8	178.4	178.4
65°	978.5	789.4	440.8	263.5	197.4	173.7	170.2	176.1	179.6	176.1	176.1
67.5°	951.3	757.5	414.8	249.4	191.4	170.2	167.8	173.7	177.3	173.7	173.7
70°	893.4	704.3	382.9	235.2	183.2	166.6	165.4	171.4	173.7	170.2	169.0
72.5°	809.5	633.4	347.4	218.6	174.9	160.7	160.7	166.6	169.0	165.4	164.3
75°	700.8	551.9	308.4	200.9	165.4	154.8	156.0	160.7	163.1	159.5	157.2
77.5°	589.7	469.2	270.6	185.5	156.0	147.7	148.9	154.8	156.0	152.5	150.1
80°	478.6	381.7	232.8	167.8	145.4	140.6	141.8	145.4	146.5	143.0	140.6
82.5°	384.1	310.8	197.4	151.3	134.7	131.2	133.5	135.9	135.9	132.4	130.0
85°	302.5	247.0	167.8	133.5	122.9	121.7	124.1	125.3	124.1	120.5	118.2
87.5°	234.0	196.2	140.6	117.0	111.1	112.3	113.5	113.5	112.3	109.9	106.4
90°	182.0	156.0	118.2	102.8	100.5	101.6	102.8	102.8	100.5	96.9	94.5
92.5°	144.2	126.5	99.3	89.8	89.8	92.2	92.2	92.2	88.6	85.1	83.9
95°	112.3	100.5	83.9	79.2	79.2	81.5	82.7	81.5	78.0	74.5	73.3
97.5°	89.8	81.5	72.1	68.5	70.9	73.3	73.3	70.9	67.4	65.0	63.8
100°	72.1	66.2	60.3	60.3	62.6	65.0	65.0	62.6	59.1	54.4	54.4
102.5°	57.9	55.5	52.0	53.2	54.4	56.7	56.7	54.4	49.6	46.1	46.1
105°	47.3	46.1	44.9	46.1	48.5	49.6	49.6	47.3	42.5	39.0	39.0
107.5°	39.0	37.8	37.8	40.2	42.5	43.7	43.7	40.2	36.6	33.1	34.3
110°	33.1	31.9	31.9	34.3	36.6	37.8	37.8	35.5	30.7	28.4	29.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.2	27.2	28.4	30.7	33.1	34.3	33.1	29.5	26.0	24.8	24.8
115°	23.6	23.6	24.8	27.2	28.4	29.5	28.4	26.0	22.5	21.3	21.3
117.5°	20.1	20.1	21.3	23.6	24.8	26.0	24.8	22.5	18.9	18.9	18.9
120°	17.7	17.7	18.9	21.3	22.5	22.5	21.3	18.9	16.5	16.5	16.5
122.5°	16.5	16.5	16.5	17.7	18.9	20.1	18.9	16.5	14.2	14.2	14.2
125°	14.2	14.2	15.4	16.5	16.5	16.5	15.4	14.2	13.0	13.0	13.0
127.5°	13.0	13.0	13.0	14.2	15.4	14.2	13.0	11.8	10.6	11.8	11.8
130°	11.8	11.8	11.8	11.8	13.0	13.0	11.8	10.6	9.5	9.5	9.5
132.5°	10.6	10.6	10.6	10.6	10.6	10.6	9.5	8.3	8.3	9.5	9.5
135°	9.5	9.5	9.5	9.5	9.5	9.5	8.3	7.1	7.1	8.3	8.3
137.5°	8.3	8.3	8.3	7.1	8.3	7.1	7.1	7.1	7.1	7.1	7.1
140°	7.1	7.1	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
142.5°	5.9	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9
145°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
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)