

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: P182302

Luminaire Tested: **LXF-E01-LED-E-U-ASYM-BK-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182302
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P26824)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF-E01-LED-E-U-ASYM-BK-7050
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2713.9 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.83')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

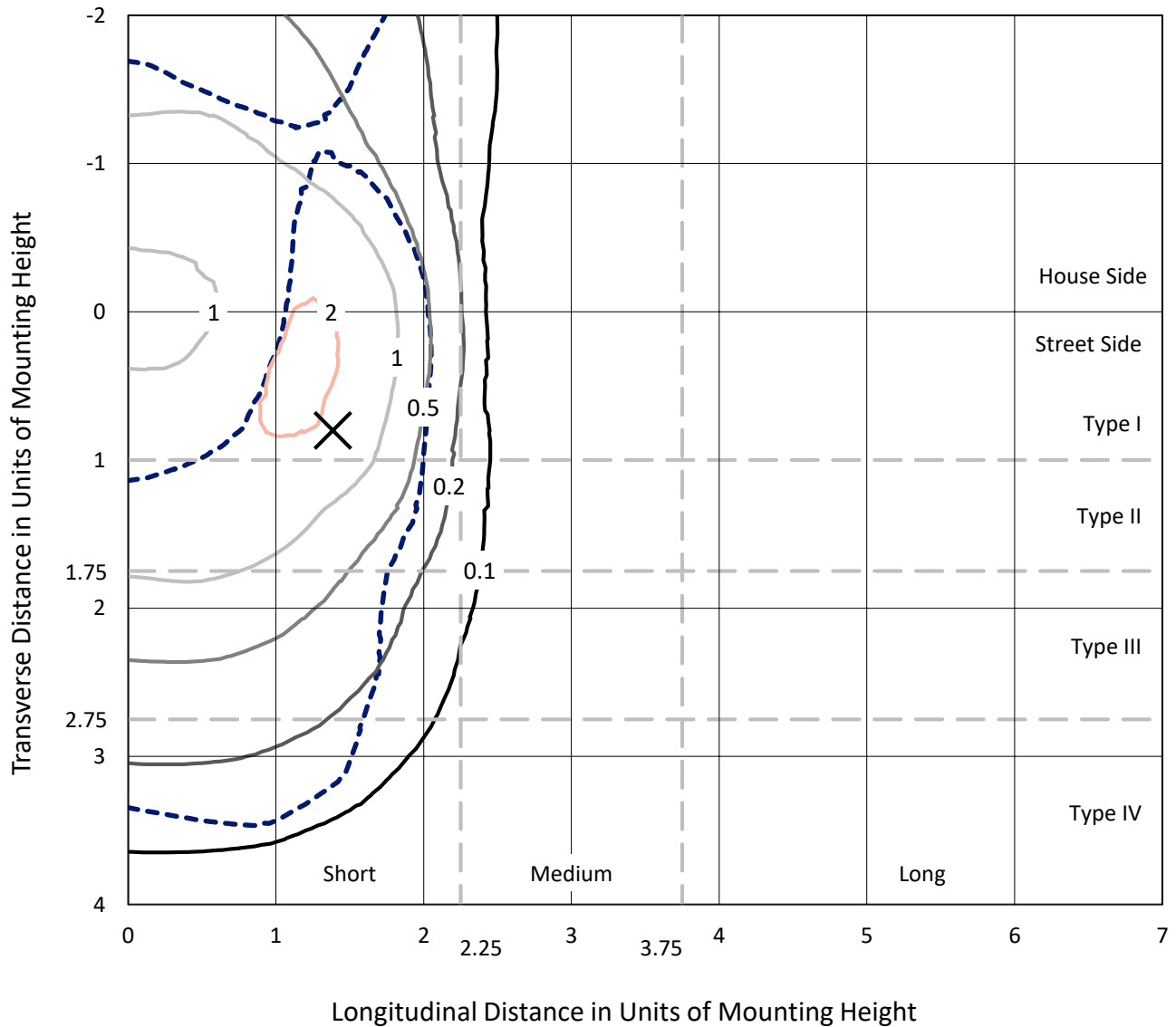
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

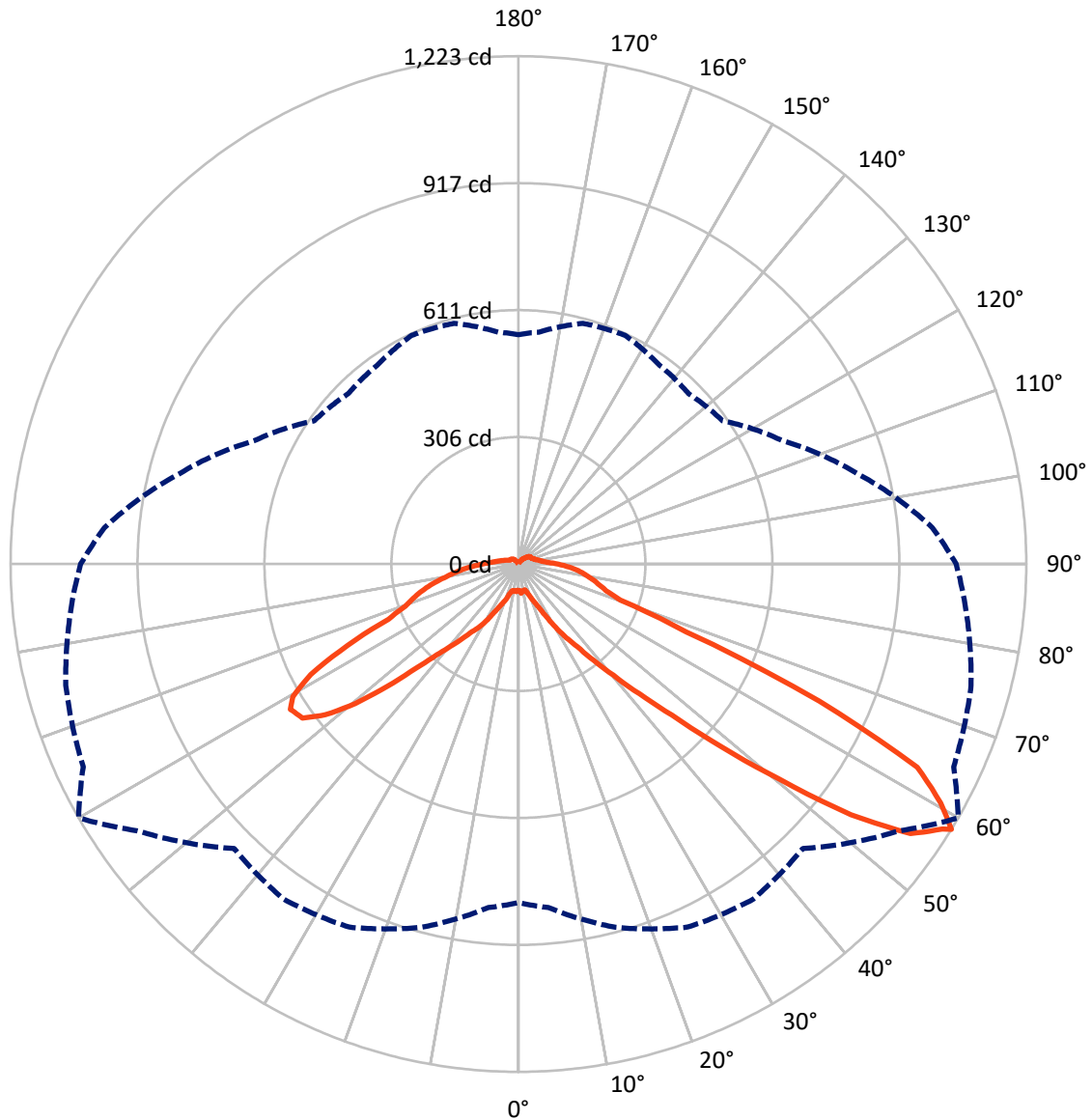
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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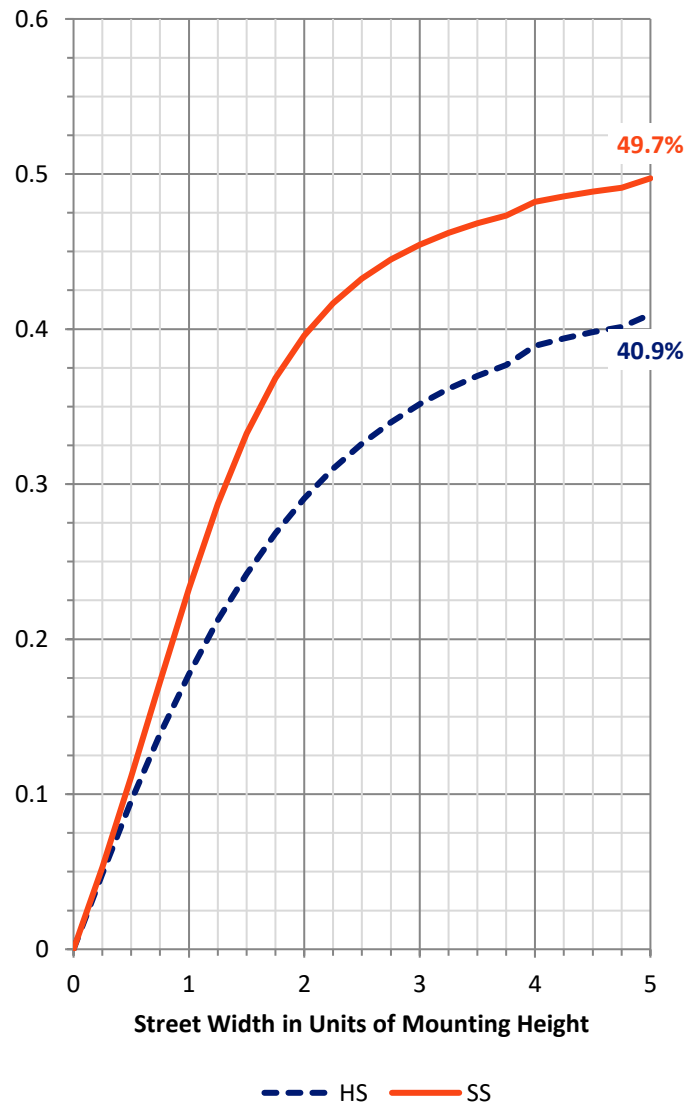
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1160.6	72.2	1232.8
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1401.9	79.2	1481.1
	% Fixture	51.7	2.9	54.6
Total	Lumens	2562.5	151.4	2713.9
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	22.9	0.8
20°-30°	61.3	2.3
30°-40°	148.8	5.5
40°-50°	349.0	12.9
50°-60°	698.1	25.7
60°-70°	673.5	24.8
70°-80°	415.6	15.3
80°-90°	187.0	6.9
90°-100°	64.0	2.4
100°-110°	34.3	1.3
110°-120°	22.8	0.8
120°-130°	17.0	0.6
130°-140°	10.1	0.4
140°-150°	3.2	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2562.5	94.4
0°-180°	2713.9	100.0



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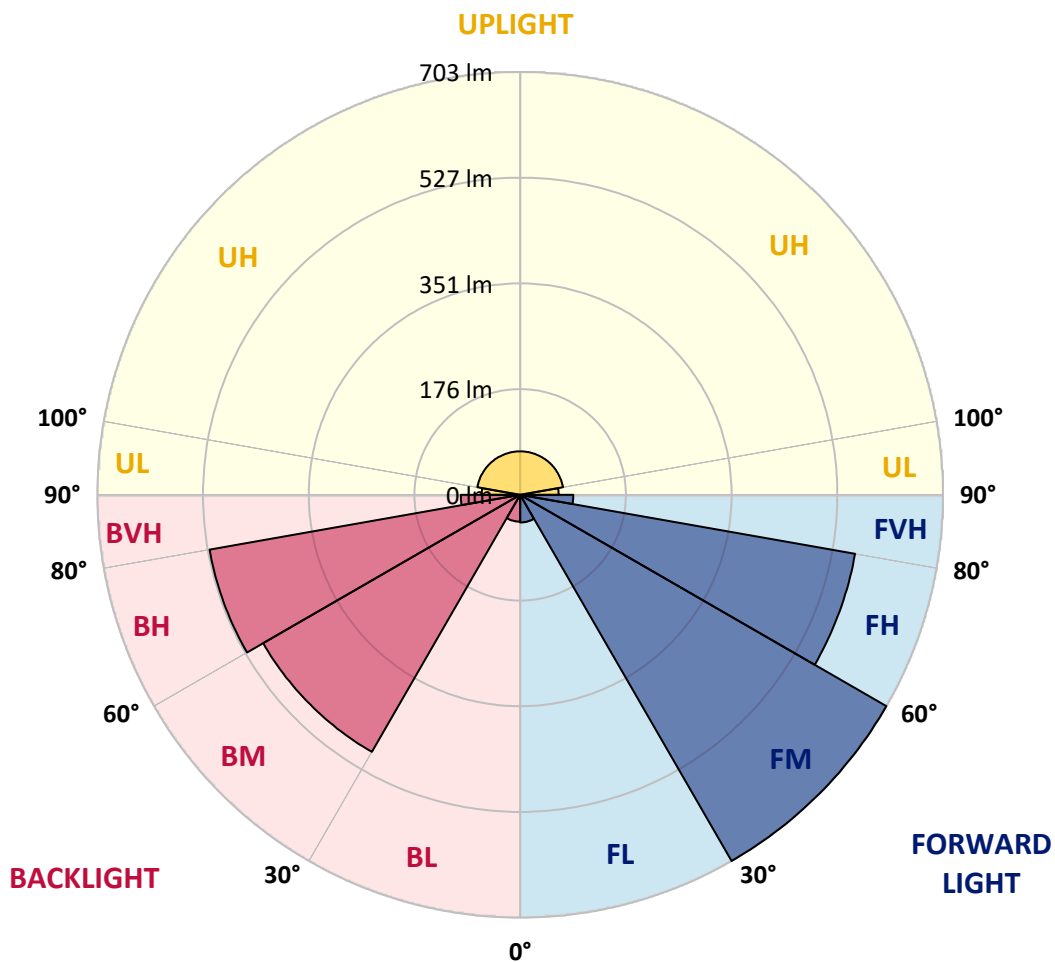
CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.0	1.7			
FM	(30°-60°)	702.7	25.9			
FH	(60°-80°)	565.1	20.8			G0/660
FVH	(80°-90°)	88.2	3.3			G1/100
BL	(0°-30°)	44.6	1.6	B0/110		
BM	(30°-60°)	493.2	18.2	B1/1000		
BH	(60°-80°)	524.1	19.3	B2/1000		G2/1000
BVH	(80°-90°)	98.7	3.6			G1/100
UL	(90°-100°)	64.0	2.4		U3/500	
UH	(100°-180°)	72.2	2.7		U3/500	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
2.5°	70.8	70.3	68.2	67.2	65.7	65.2	64.1	64.1	63.6	61.6	61.1
5°	67.7	67.2	64.6	63.6	65.7	67.7	69.3	70.8	69.3	66.7	63.1
7.5°	72.3	72.9	69.8	71.8	74.4	66.7	65.2	66.7	67.2	66.7	63.1
10°	77.0	75.4	72.9	72.9	70.8	71.3	68.2	65.7	65.2	62.1	61.1
12.5°	81.6	79.0	81.1	81.6	78.0	70.8	65.2	64.1	63.1	62.1	62.6
15°	99.5	92.3	94.9	86.7	81.6	72.3	67.7	67.2	66.7	66.7	67.2
17.5°	103.6	98.0	102.1	100.0	86.7	79.5	75.4	74.9	73.9	73.9	74.9
20°	117.0	117.0	119.0	108.8	98.0	92.9	87.7	86.7	85.2	85.2	88.2
22.5°	131.9	126.7	128.3	121.1	116.5	110.8	104.7	100.6	97.5	98.5	98.5
25°	141.1	142.6	144.2	140.1	135.4	128.8	122.6	117.5	114.9	113.4	111.3
27.5°	167.8	168.3	167.8	163.7	160.1	152.4	147.2	143.7	141.1	134.9	132.9
30°	196.0	197.5	197.5	192.4	188.3	179.1	177.5	176.5	171.9	162.6	160.1
32.5°	228.8	229.8	230.4	226.8	218.0	218.0	215.5	211.4	209.3	194.4	183.2
35°	268.8	270.4	269.9	266.8	258.1	247.3	245.8	243.7	242.2	229.8	221.1
37.5°	311.4	312.4	316.6	309.4	297.6	289.4	296.5	294.5	294.0	275.5	259.6
40°	357.1	358.6	365.8	359.6	348.4	345.3	351.4	352.0	352.5	336.0	319.1
42.5°	413.0	413.5	419.2	418.1	409.4	404.8	416.1	426.9	428.4	403.3	381.7
45°	487.9	488.4	500.7	492.5	484.3	467.4	511.0	518.2	535.6	511.0	503.3
47.5°	560.8	563.3	580.3	577.7	571.5	571.5	654.7	656.2	701.9	704.4	672.6
50°	624.9	632.6	662.9	675.7	695.2	707.5	821.4	813.7	862.4	860.9	815.8
52.5°	703.4	712.1	742.9	776.8	805.0	830.1	950.2	1003.0	999.9	1007.6	959.9
55°	752.6	765.5	829.6	879.9	876.3	924.0	1065.6	1145.6	1104.1	1112.8	1063.0
57.5°	806.0	819.3	892.7	950.2	967.6	977.4	1119.5	1203.6	1139.5	1120.0	1101.5
58°	815.2	830.1	905.5	964.5	985.1	968.1	1119.5	1222.6	1155.9	1128.2	1078.9
60°	845.0	860.4	941.5	1009.7	1013.8	992.2	1144.6	1168.2	1105.1	1039.4	1005.6
62.5°	883.0	900.9	976.9	1001.0	1013.3	951.2	1048.7	1077.4	972.7	906.1	823.4
65°	862.4	883.5	970.2	986.6	920.9	877.3	867.1	795.7	679.3	519.2	453.0
67.5°	822.9	842.9	904.5	899.4	802.4	632.6	545.9	435.6	329.4	207.3	173.4
70°	738.8	756.8	811.1	777.8	659.8	447.9	319.1	260.6	212.9	152.9	126.7
72.5°	627.5	642.9	681.3	650.0	534.1	372.0	257.0	221.1	188.8	140.1	118.0
75°	524.3	533.1	566.4	545.9	448.9	323.2	231.9	201.1	174.4	135.4	118.0
77.5°	447.4	451.5	472.0	455.6	385.3	283.2	211.4	184.7	163.2	128.3	113.4
80°	349.9	355.0	376.6	380.2	320.7	249.3	188.8	165.7	148.8	117.5	104.1
82.5°	264.7	268.3	289.4	296.0	263.7	210.4	167.8	149.3	134.4	107.2	98.0
85°	179.6	180.6	202.1	219.1	205.7	173.4	147.2	130.8	118.5	96.5	88.8
87.5°	115.9	116.5	131.3	149.3	153.4	138.5	123.1	109.8	99.5	79.5	69.3
90°	79.5	80.5	89.3	101.6	110.8	108.3	100.6	89.3	81.1	62.6	51.8
92.5°	59.5	60.0	65.2	73.4	80.5	83.6	80.0	71.8	63.6	48.7	40.0
95°	47.2	46.7	50.8	56.9	63.1	67.7	67.2	60.5	53.4	41.0	35.9
97.5°	38.5	38.5	42.1	46.2	51.8	58.0	59.0	54.4	49.3	39.5	36.9
100°	32.8	32.8	34.9	39.0	44.1	50.3	52.8	49.8	46.7	38.5	38.5
102.5°	27.7	27.7	29.2	33.3	38.5	44.6	47.2	45.1	43.1	35.9	36.9
105°	23.1	23.1	24.6	28.2	34.4	40.0	42.6	41.6	40.0	32.3	34.9
107.5°	19.0	19.0	20.5	24.6	30.8	37.5	40.0	39.5	38.0	31.3	33.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	15.9	15.9	17.4	22.1	27.7	33.3	37.5	36.9	35.9	32.3	32.8
112.5°	13.3	13.3	14.9	20.0	25.7	30.8	34.4	34.9	33.9	33.3	31.8
115°	11.8	11.8	12.8	18.5	24.6	30.3	33.9	34.4	33.3	33.3	30.8
117.5°	10.8	10.8	11.8	16.9	23.1	28.7	32.8	34.4	34.4	34.4	32.3
120°	10.3	10.3	10.8	15.4	21.0	26.2	30.8	32.8	33.3	34.4	32.8
122.5°	9.7	9.7	9.7	13.3	19.5	24.1	29.8	32.3	32.3	33.9	31.3
125°	9.2	9.2	9.2	11.3	18.0	23.6	28.2	30.8	31.3	32.8	30.3
127.5°	8.7	8.7	8.7	9.7	15.9	22.1	26.7	28.2	28.7	30.8	29.2
130°	8.2	8.2	8.2	8.2	13.3	19.5	23.6	24.6	25.7	27.7	27.2
132.5°	7.7	7.7	7.2	7.2	11.3	16.4	20.5	21.0	22.6	25.1	25.7
135°	6.7	6.7	6.2	6.2	8.2	13.9	18.0	19.0	20.5	22.1	23.1
137.5°	5.6	5.6	5.1	5.1	5.6	11.3	15.4	16.4	18.5	20.5	21.5
140°	4.6	4.6	4.6	4.1	4.1	8.2	12.8	14.4	16.4	18.5	19.5
142.5°	4.1	3.6	3.6	3.6	3.6	5.1	9.7	12.3	13.9	16.4	17.4
145°	3.1	3.1	3.1	2.6	2.6	3.1	6.7	8.7	10.3	13.3	14.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
2.5°	60.5	61.6	63.1	63.1	63.6	63.6	63.6	65.2	66.7	66.7	66.7
5°	64.1	65.2	66.7	67.2	66.2	64.6	63.1	63.1	66.2	67.7	67.7
7.5°	63.1	64.6	65.7	65.2	64.1	66.7	71.3	68.2	66.2	68.2	68.2
10°	62.1	62.6	62.1	65.2	69.3	68.7	67.7	70.8	70.8	73.4	77.0
12.5°	63.1	63.6	63.6	64.6	66.2	69.8	76.4	77.0	75.9	75.9	77.0
15°	67.2	67.7	67.7	68.2	69.3	71.8	80.5	87.2	92.9	90.3	95.4
17.5°	75.4	76.4	76.4	77.0	77.0	81.1	86.7	94.9	101.1	100.6	102.6
20°	89.3	89.3	89.3	89.3	91.3	95.9	99.5	106.2	112.4	111.3	109.3
22.5°	98.0	97.0	98.5	98.0	105.2	109.8	115.4	119.5	125.2	126.2	124.7
25°	111.3	110.8	110.3	111.3	118.0	124.7	132.4	137.0	140.6	141.6	141.6
27.5°	131.3	129.3	128.3	131.3	136.0	143.1	149.3	154.4	159.6	161.1	160.6
30°	157.5	154.9	150.8	158.5	156.0	162.1	167.8	175.0	181.1	183.2	182.6
32.5°	179.1	174.4	170.3	178.0	180.6	182.6	188.8	197.5	205.2	207.3	206.8
35°	209.8	203.2	195.5	196.5	199.1	202.1	212.9	221.6	227.3	229.3	228.3
37.5°	245.8	238.6	226.8	223.2	226.3	225.7	235.5	247.3	253.4	254.0	252.9
40°	297.1	292.4	271.9	262.7	250.4	251.4	260.6	274.5	281.2	283.7	281.7
42.5°	355.5	347.3	322.7	298.6	289.4	281.7	289.4	305.8	316.0	318.6	315.5
45°	485.9	463.8	420.7	373.0	326.3	315.5	323.7	344.3	353.0	350.9	347.3
47.5°	642.9	603.4	538.7	462.3	401.2	358.6	364.8	384.3	394.5	393.5	389.9
50°	775.7	738.8	642.3	558.7	475.1	420.7	413.0	438.1	440.7	424.8	421.2
52.5°	922.5	881.9	776.8	644.4	535.1	488.4	476.1	490.5	476.6	451.5	447.9
55°	1024.1	971.7	852.2	693.6	583.3	539.2	535.6	534.6	518.2	492.5	486.4
57.5°	1064.6	1016.9	865.5	693.1	603.4	577.7	579.7	594.1	587.4	546.9	539.2
58°	1053.8	1000.5	843.5	701.9	600.3	579.7	587.4	607.5	599.8	560.3	552.0
60°	969.7	941.5	760.9	661.8	599.2	588.0	623.4	660.8	663.9	620.3	613.6
62.5°	775.7	751.1	629.5	581.8	551.5	594.6	662.9	721.4	720.3	669.5	657.7
65°	408.9	409.4	408.9	412.5	499.2	590.0	689.0	767.5	782.4	736.7	722.9
67.5°	162.1	167.3	199.6	271.4	407.9	552.0	700.8	808.6	836.3	791.6	780.9
70°	116.5	122.6	159.0	231.4	349.4	519.2	684.4	817.3	865.5	832.7	826.0
72.5°	107.2	111.3	144.7	211.9	320.1	480.7	663.9	832.2	883.0	856.3	848.1
75°	105.2	107.7	135.4	193.9	286.8	436.1	626.4	779.3	817.3	790.6	774.7
77.5°	102.6	103.1	125.7	175.0	247.8	375.0	529.5	655.2	655.2	624.9	610.0
80°	96.5	95.4	114.4	153.4	210.4	305.3	409.9	481.2	471.0	449.4	434.0
82.5°	90.8	88.2	104.1	133.4	179.1	244.2	300.6	341.7	329.4	311.9	302.2
85°	83.6	80.5	93.4	117.5	149.8	185.7	227.8	249.3	237.5	217.0	212.9
87.5°	67.2	66.7	79.5	100.6	119.0	147.2	171.4	179.1	162.6	142.1	139.0
90°	51.8	53.4	66.7	83.1	95.4	113.4	124.2	118.5	102.6	88.8	85.2
92.5°	41.6	43.6	55.9	68.2	78.0	84.1	86.2	79.0	70.8	63.1	61.1
95°	38.5	39.0	48.2	58.0	63.1	65.2	62.6	56.9	52.8	48.7	47.2
97.5°	39.5	39.5	45.1	51.3	53.4	52.3	49.3	44.1	41.0	38.0	36.4
100°	41.0	40.0	42.6	46.2	45.1	43.6	40.5	35.9	32.8	29.8	28.7
102.5°	39.5	38.0	38.5	40.5	39.0	37.5	34.4	30.3	26.7	23.6	23.1
105°	36.9	35.4	34.4	35.4	34.4	32.8	30.3	25.7	22.1	19.0	18.5
107.5°	34.4	32.8	31.3	31.3	30.8	29.2	26.2	22.6	18.5	15.4	15.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.8	30.8	28.7	27.7	27.2	25.7	23.1	19.5	15.4	12.8	12.8
112.5°	31.8	29.8	26.7	25.1	24.1	23.1	21.0	17.4	13.3	11.3	10.8
115°	30.3	28.2	25.1	23.6	22.1	21.0	19.0	15.9	11.8	10.3	9.7
117.5°	30.8	28.2	25.1	23.1	21.0	19.5	17.4	14.4	10.3	9.2	9.2
120°	30.8	28.2	24.6	22.1	20.5	18.5	16.4	12.3	9.2	8.7	8.7
122.5°	29.8	28.2	24.6	21.5	19.5	18.0	14.9	10.8	8.2	8.2	8.2
125°	29.2	27.7	25.1	22.1	19.5	16.9	13.9	9.2	8.2	7.7	7.7
127.5°	28.7	27.2	24.6	21.5	18.5	15.9	11.8	8.2	7.7	7.7	7.7
130°	27.2	26.2	23.6	20.5	17.4	14.4	9.7	7.2	6.7	7.2	7.2
132.5°	25.7	24.6	22.1	19.0	15.4	11.8	8.2	6.7	6.2	6.7	6.7
135°	23.6	22.6	20.0	16.9	13.3	10.3	6.7	5.6	5.6	5.6	5.6
137.5°	21.5	21.5	19.0	14.9	11.8	8.2	5.1	4.6	4.6	5.1	5.1
140°	19.5	19.5	16.9	13.3	9.7	6.2	4.1	4.1	4.1	4.6	4.6
142.5°	17.4	17.4	14.9	11.3	7.7	4.1	3.1	3.1	3.6	3.6	3.6
145°	14.9	14.4	12.3	8.7	5.1	2.6	2.6	2.6	2.6	3.1	3.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)