

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: P157183

Luminaire Tested: **UTLD-F01-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157183
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-T4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1837.3 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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

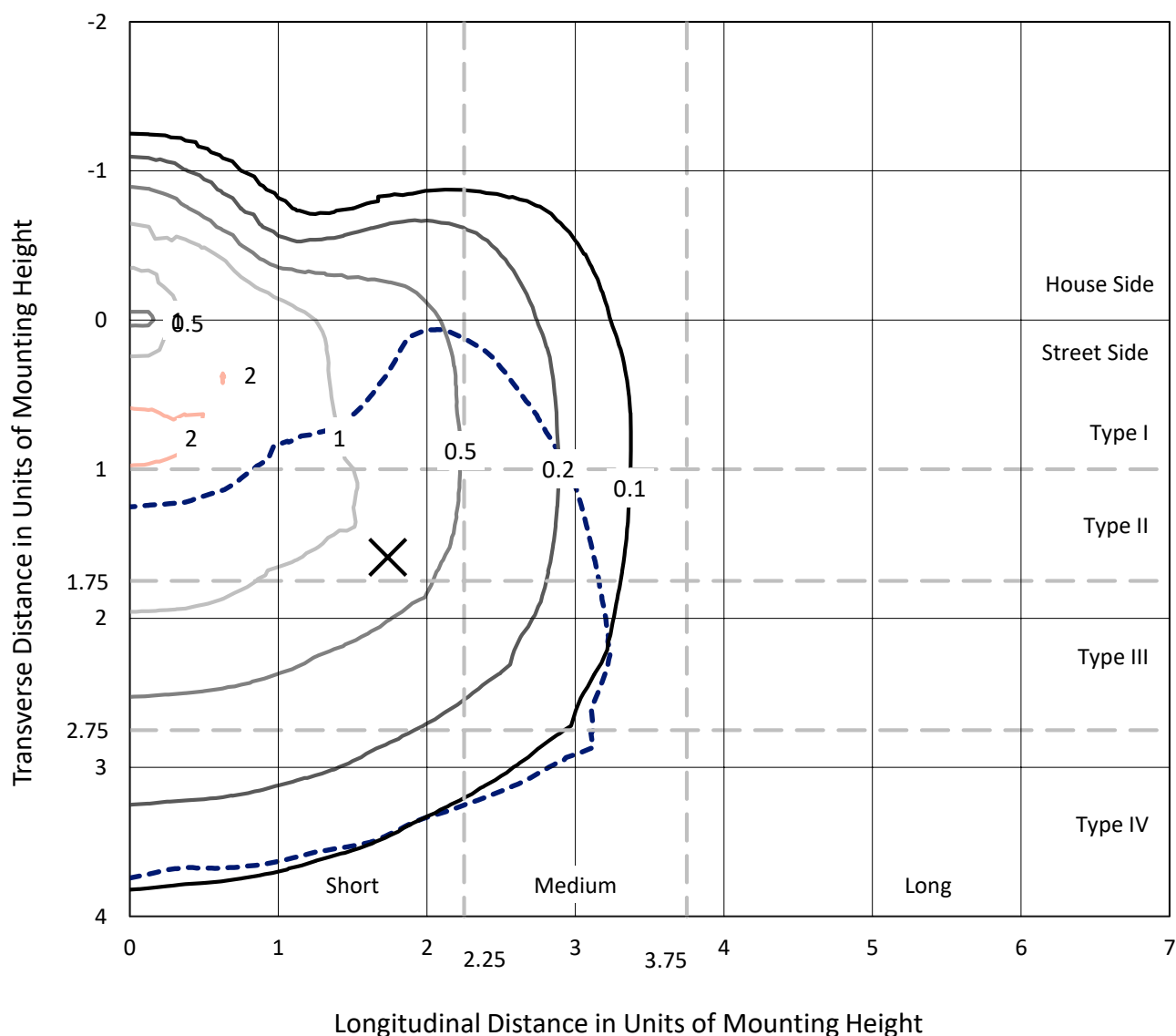


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

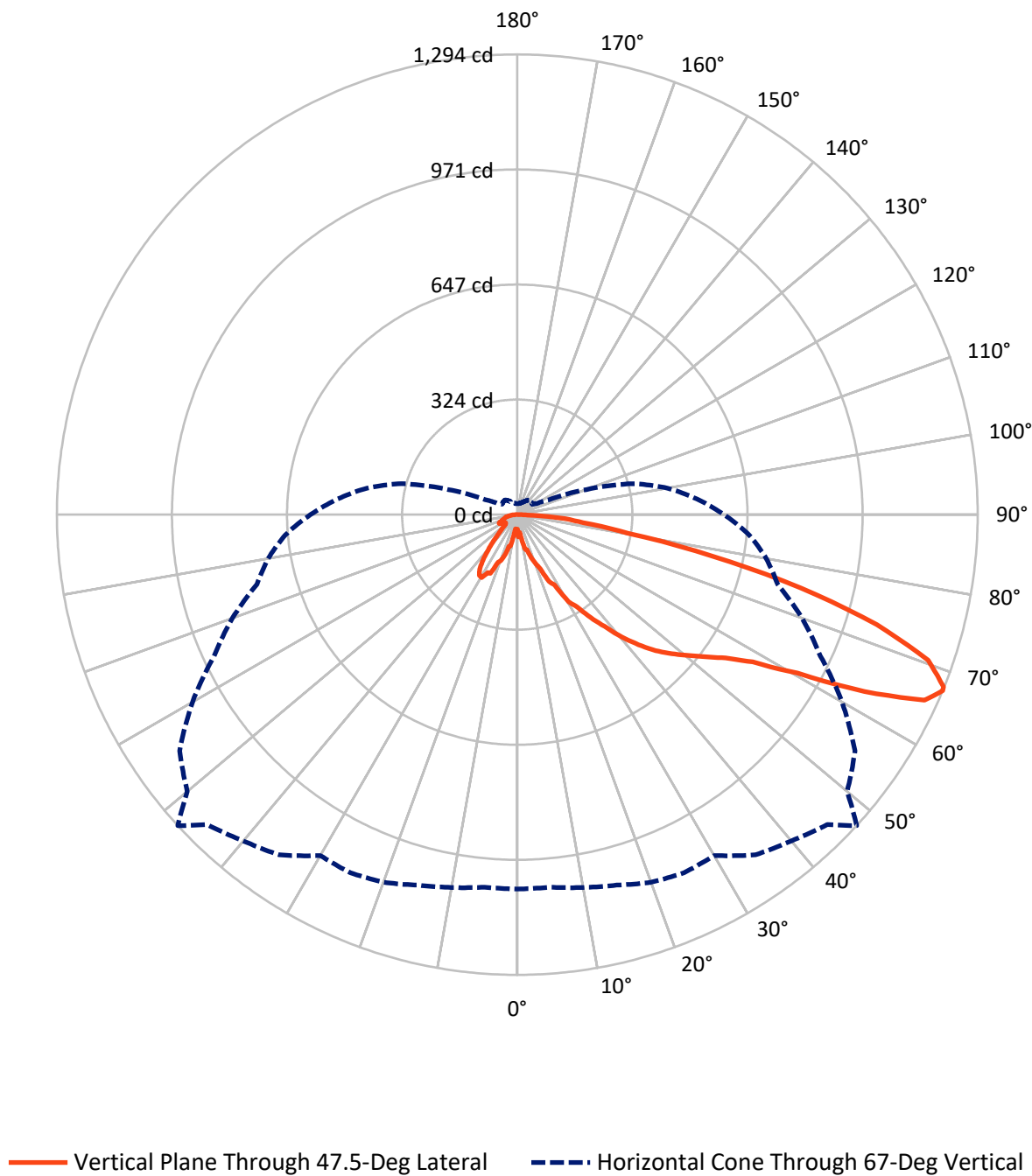


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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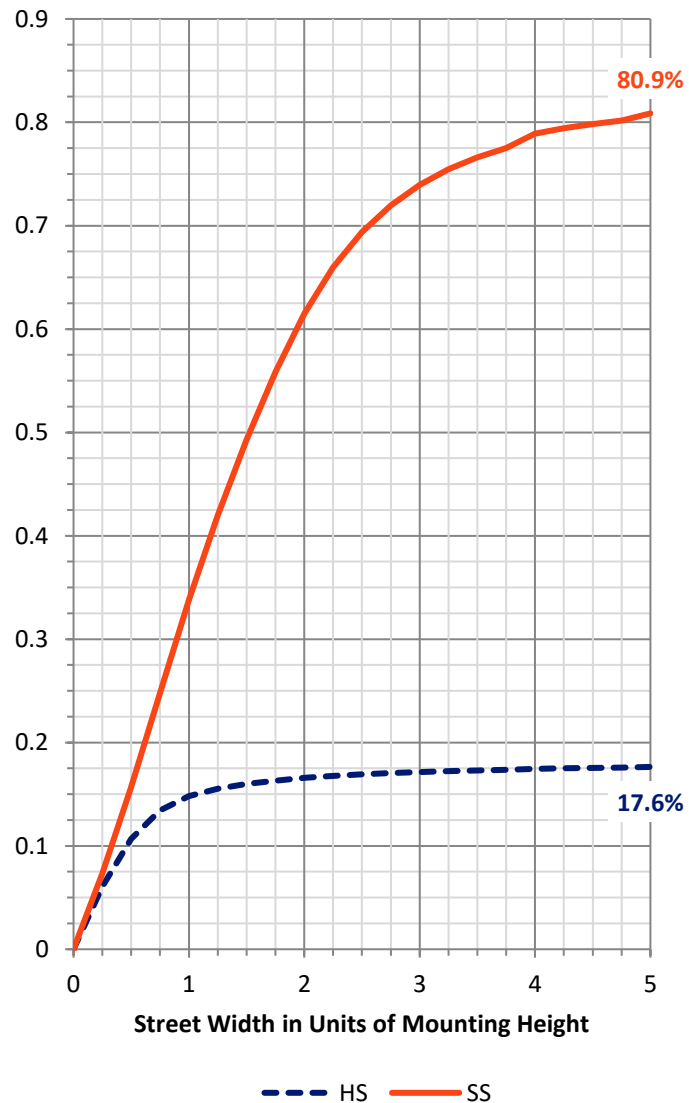
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	329.8	0.0	329.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	1507.5	0.0	1507.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	1837.3	0.0	1837.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.3
10°-20°	30.1	1.6
20°-30°	88.8	4.8
30°-40°	174.6	9.5
40°-50°	243.8	13.3
50°-60°	339.9	18.5
60°-70°	544.6	29.6
70°-80°	349.4	19.0
80°-90°	60.8	3.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1837.3	100.0
0°-180°	1837.3	100.0

Coefficient of Utilization



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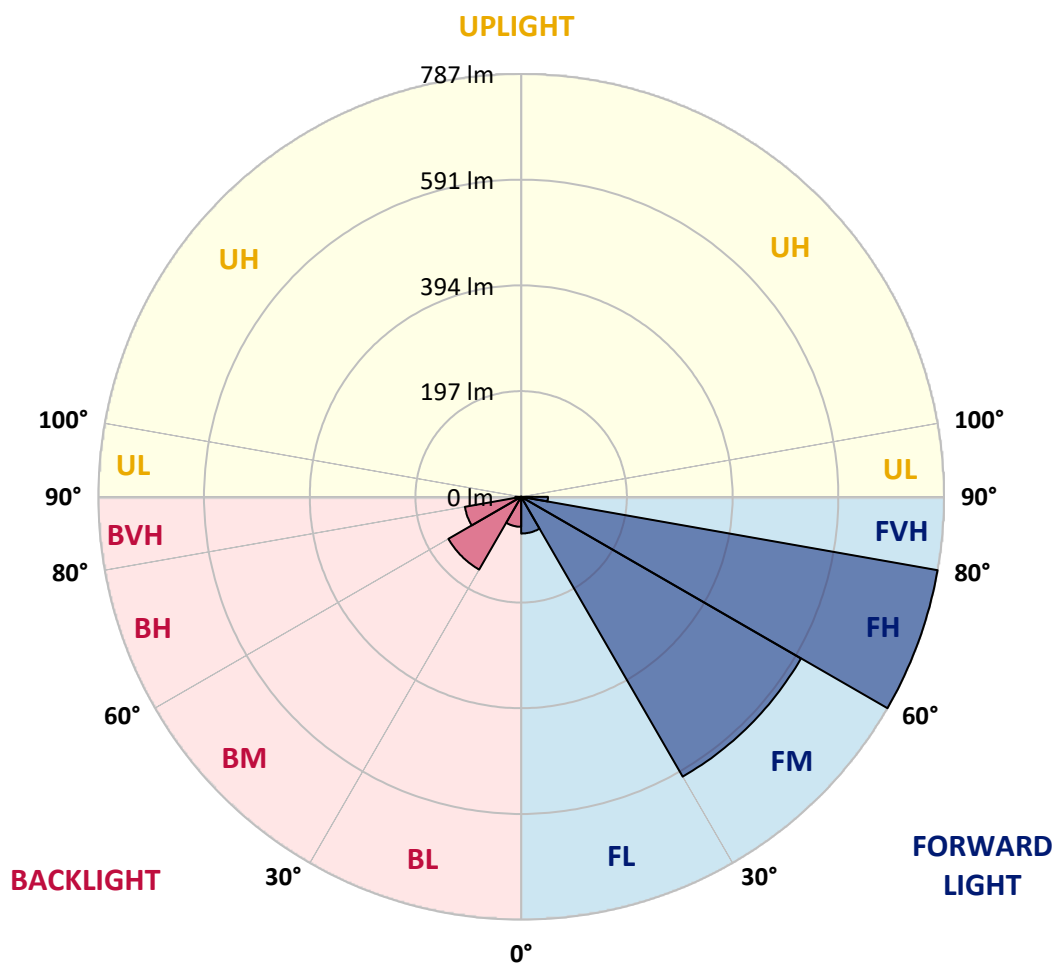
CATALOG NUMBER: UTLD-F01-LED-E-U-T4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.4	3.7			
FM	(30°-60°)	601.8	32.8			
FH	(60°-80°)	787.5	42.9			G1/1800
FVH	(80°-90°)	49.8	2.7			G1/100
BL	(0°-30°)	55.9	3.0	B0/110		
BM	(30°-60°)	156.5	8.5	B0/220		
BH	(60°-80°)	106.5	5.8	B0/110		G0/110
BVH	(80°-90°)	11.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	63.4	63.8	63.4	63.8	63.8	63.4	63.4	63.4	64.4	61.3	62.7
5°	50.2	50.5	50.5	50.5	50.5	50.5	50.9	51.9	50.9	51.2	51.2
7.5°	76.6	77.3	77.3	76.6	77.0	77.0	76.6	54.7	53.0	51.9	50.9
10°	78.4	79.1	79.1	77.7	78.0	78.4	78.4	78.0	77.3	74.9	74.6
12.5°	106.3	106.6	106.3	105.9	105.2	101.7	93.4	81.2	77.3	97.9	99.6
15°	113.9	113.6	112.9	111.1	110.1	108.3	106.3	123.7	121.6	105.2	103.1
17.5°	144.6	144.6	143.9	143.5	139.0	137.6	133.4	131.0	128.5	125.1	127.2
20°	175.2	173.5	158.2	149.8	144.6	160.2	159.9	155.4	159.2	146.3	146.0
22.5°	186.4	185.3	183.9	179.4	178.0	188.8	178.4	175.2	178.7	165.1	164.8
25°	229.9	229.6	223.3	219.8	209.0	203.4	207.3	204.5	194.7	194.4	208.7
27.5°	248.7	246.3	241.8	235.8	246.6	242.1	242.8	219.1	237.6	228.2	224.3
30°	297.2	298.2	290.2	293.0	290.5	268.9	262.0	268.6	267.5	260.2	283.6
32.5°	357.8	357.4	348.7	333.0	311.8	307.6	311.8	305.9	303.8	302.4	309.4
35°	424.7	419.8	389.8	382.5	370.7	362.0	358.5	343.5	349.8	332.7	356.0
37.5°	457.1	457.8	446.3	446.3	433.7	420.8	404.8	406.5	393.0	382.5	398.9
40°	505.1	506.9	496.1	490.2	484.6	464.4	453.6	445.6	445.2	435.8	452.5
42.5°	528.5	531.3	521.5	518.4	522.2	509.0	491.5	491.2	493.3	480.4	499.9
45°	552.5	556.0	545.9	550.1	545.9	543.8	520.5	532.3	538.2	523.9	545.2
47.5°	580.7	585.3	581.4	579.0	574.8	574.8	557.7	565.7	574.5	562.3	584.6
50°	615.9	619.0	614.9	613.8	607.6	606.5	595.4	600.9	607.9	595.4	621.8
52.5°	662.6	663.3	660.5	654.2	644.8	646.9	640.3	640.6	643.4	635.1	664.3
55°	721.5	722.2	721.8	707.2	715.9	699.9	689.1	691.2	689.8	683.1	711.0
57.5°	795.0	799.5	801.6	788.7	796.7	767.1	760.8	757.0	761.9	746.9	781.0
60°	912.0	919.0	915.5	913.4	907.1	879.6	871.6	882.8	877.5	864.3	905.1
62.5°	1062.2	1060.4	1069.1	1067.7	1069.5	1042.0	1023.2	1050.3	1059.4	1064.6	1095.6
65°	1100.8	1101.2	1112.3	1115.1	1128.7	1125.9	1113.0	1160.4	1175.7	1197.7	1258.0
67°	1052.8	1051.4	1064.6	1078.5	1100.1	1110.9	1106.8	1167.7	1197.7	1232.5	1294.2
67.5°	1037.8	1035.0	1049.3	1067.4	1089.7	1102.9	1099.8	1162.9	1194.2	1232.2	1292.4
70°	939.9	930.1	948.3	972.6	992.8	1023.2	1024.5	1084.5	1128.0	1168.8	1224.9
72.5°	814.5	801.6	818.0	836.4	851.4	886.6	888.7	927.7	972.3	1005.4	1057.3
75°	646.6	629.8	645.2	654.2	659.8	688.4	690.8	725.0	757.7	783.1	823.2
77.5°	399.9	388.8	401.3	416.3	435.1	447.7	454.6	475.5	511.4	540.0	561.6
80°	200.3	208.3	221.6	241.8	257.4	279.4	288.4	289.8	304.8	302.7	316.3
82.5°	139.3	148.1	166.9	179.8	184.6	191.6	202.8	199.3	189.2	187.4	186.0
85°	35.5	55.4	101.7	123.3	128.2	135.5	145.6	151.5	135.9	123.0	125.4
87.5°	9.8	11.8	34.8	51.6	55.7	41.1	53.3	63.8	41.5	27.5	28.9
90°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	56.4	50.2	47.4	43.2	42.2	41.8	41.1	41.1	40.8	40.8	40.8
5°	52.3	57.8	62.7	64.1	61.3	45.6	44.2	41.8	41.5	41.5	41.8
7.5°	51.2	51.9	52.3	50.2	58.5	58.9	42.5	41.8	41.8	41.8	42.2
10°	74.6	55.4	69.7	72.1	73.9	86.0	85.0	64.4	62.0	63.4	65.5
12.5°	100.3	103.1	92.0	74.6	76.3	77.0	86.4	66.9	63.1	65.5	79.1
15°	102.8	102.4	107.3	120.2	104.5	101.4	108.0	92.7	92.0	86.4	101.0
17.5°	145.6	124.7	121.2	122.3	111.8	106.9	99.3	107.6	97.5	94.8	92.7
20°	151.2	138.7	132.4	154.3	167.9	153.6	146.0	148.4	139.7	134.5	133.4
22.5°	164.4	179.1	185.0	171.0	171.0	169.0	184.3	173.1	168.3	162.7	160.2
25°	214.2	190.6	209.0	224.0	216.7	211.1	199.6	203.4	187.8	187.4	180.5
27.5°	234.5	248.4	241.8	243.2	231.7	249.4	241.8	233.4	218.8	216.0	219.5
30°	286.4	272.1	278.3	283.2	278.0	277.0	268.9	257.1	246.6	239.0	237.9
32.5°	307.6	317.4	314.6	308.7	326.1	331.3	326.4	298.6	289.1	269.3	269.3
35°	349.8	344.9	369.3	363.3	356.4	349.8	345.2	326.1	305.5	284.6	279.0
37.5°	396.1	401.3	400.6	389.1	377.3	365.1	360.2	341.7	318.8	299.9	274.9
40°	443.8	434.1	429.2	419.1	397.5	386.7	379.4	368.9	333.7	312.5	275.9
42.5°	488.4	481.8	458.8	443.8	428.1	412.5	391.9	383.6	348.0	320.8	272.4
45°	529.5	518.0	493.3	474.1	448.3	435.8	406.9	391.2	363.7	321.5	263.0
47.5°	564.0	552.2	527.1	494.7	471.0	452.9	425.7	412.1	378.7	329.6	263.0
50°	597.5	583.9	556.7	511.1	489.8	459.5	444.9	425.7	397.5	341.4	271.0
52.5°	634.0	617.7	585.3	533.4	509.0	479.4	463.7	447.7	421.9	357.8	284.3
55°	679.3	659.8	617.7	567.5	532.7	505.8	490.9	474.1	447.3	376.6	300.6
57.5°	744.5	716.9	667.1	621.1	578.6	555.6	534.4	511.4	488.1	409.7	327.5
60°	855.9	826.0	761.9	720.4	674.1	643.4	609.6	591.5	555.6	472.7	371.7
62.5°	1041.3	1003.0	942.3	864.3	798.1	735.8	700.6	674.4	621.1	528.1	428.5
65°	1178.9	1125.6	1044.4	943.7	864.3	771.3	737.1	683.5	619.7	532.0	444.9
67°	1210.6	1158.7	1054.2	939.9	852.1	757.7	711.0	654.6	581.1	506.5	429.2
67.5°	1209.9	1159.0	1048.9	933.3	845.1	750.7	700.6	643.1	568.2	498.5	424.3
70°	1140.6	1099.4	980.7	864.0	772.0	684.5	618.7	564.7	493.6	438.2	373.8
72.5°	970.9	945.8	836.8	730.9	645.9	572.7	522.6	468.9	404.8	362.0	315.3
75°	758.0	722.5	617.0	534.4	465.8	417.0	376.9	328.9	278.3	253.6	235.8
77.5°	505.1	470.3	371.7	290.5	241.8	200.7	170.0	135.9	105.6	108.3	116.7
80°	274.5	246.6	177.7	128.2	104.5	84.7	71.1	54.3	39.7	47.7	54.3
82.5°	166.9	146.3	113.6	88.8	72.8	61.7	50.2	37.3	28.6	32.4	39.4
85°	116.0	102.4	81.2	63.8	51.9	41.5	32.4	24.0	22.6	24.7	28.2
87.5°	38.7	48.1	36.6	29.6	28.6	25.8	21.6	17.4	13.6	17.1	21.9
90°	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
2.5°	41.1	41.5	43.2	44.2	44.2	43.2	50.2	49.5	60.3	61.0	63.8
5°	44.6	44.9	58.5	63.4	63.8	55.0	42.8	41.1	40.4	40.1	41.1
7.5°	50.5	58.9	53.3	38.3	39.7	39.7	40.4	40.1	40.4	47.7	65.5
10°	84.7	63.4	59.9	51.2	41.5	44.6	64.4	64.8	65.8	68.6	69.0
12.5°	74.6	65.1	61.3	61.7	85.0	91.3	88.1	67.2	68.3	70.0	81.9
15°	86.4	85.4	90.2	89.2	86.7	92.3	91.3	109.0	112.2	95.8	96.1
17.5°	88.5	89.2	109.7	112.5	110.4	120.9	114.3	112.9	115.3	113.6	108.0
20°	133.4	148.4	143.9	121.2	125.1	138.7	135.2	116.0	132.7	134.1	124.4
22.5°	139.7	152.9	157.1	170.0	169.3	142.1	146.3	152.9	139.0	132.7	144.9
25°	187.4	200.3	206.9	188.5	170.7	185.7	177.7	152.2	158.5	148.1	148.1
27.5°	233.1	214.2	220.5	212.2	217.7	187.4	178.4	188.8	157.1	159.9	163.0
30°	243.2	238.6	243.2	233.1	218.4	213.2	193.7	185.0	187.4	164.1	162.0
32.5°	260.2	252.2	243.9	225.7	223.7	208.0	194.4	190.9	173.5	164.8	163.4
35°	258.1	239.7	233.8	222.3	205.9	193.3	180.1	170.4	157.5	155.0	153.3
37.5°	251.5	223.0	206.6	195.4	181.5	169.7	150.8	144.2	139.7	135.2	133.1
40°	241.4	205.5	178.0	160.9	146.7	134.1	121.9	115.7	112.5	114.3	116.4
42.5°	223.7	185.3	147.4	127.9	112.9	102.8	94.8	92.0	90.9	92.7	96.1
45°	209.7	159.9	118.8	96.5	84.0	77.3	71.8	69.7	71.1	72.5	74.2
47.5°	203.4	140.4	95.1	72.8	63.1	59.6	56.1	54.3	55.0	56.1	57.5
50°	201.7	129.2	79.4	57.5	50.9	47.4	44.9	44.2	44.6	44.2	44.9
52.5°	202.1	129.2	72.1	50.5	44.6	41.8	39.7	39.0	38.0	37.6	38.0
55°	209.4	132.7	70.4	49.1	43.5	40.4	38.3	38.0	36.6	35.5	35.2
57.5°	231.7	145.3	74.6	51.9	45.3	42.5	40.4	40.1	38.7	36.9	36.2
60°	275.9	172.8	85.7	58.2	49.8	47.4	46.0	45.6	43.5	41.1	39.0
62.5°	322.2	203.1	99.3	64.8	55.0	54.3	54.7	54.0	51.2	46.0	42.2
65°	342.8	214.9	104.5	65.5	55.0	56.4	57.5	57.8	53.3	47.0	42.2
67°	336.5	206.6	99.3	61.3	51.6	53.0	53.3	53.6	49.1	43.9	39.4
67.5°	333.4	203.1	97.5	60.6	51.2	52.3	51.9	51.9	47.7	43.2	38.7
70°	301.0	179.4	86.0	56.1	47.7	46.3	43.5	43.5	40.4	38.0	35.5
72.5°	255.4	152.2	74.9	53.3	45.3	41.5	38.3	38.0	35.9	34.8	33.4
75°	195.1	118.4	65.8	50.5	42.8	38.3	34.8	35.2	33.1	32.7	32.0
77.5°	116.0	80.5	57.1	47.0	40.8	36.2	32.4	33.1	30.7	30.3	30.3
80°	57.8	53.6	47.4	40.8	35.5	32.0	28.2	28.2	26.5	26.1	27.2
82.5°	43.5	40.4	35.2	31.0	27.9	24.0	18.8	20.9	20.9	21.6	22.3
85°	32.4	28.9	25.1	21.9	20.2	18.1	14.6	16.0	16.4	17.8	18.5
87.5°	24.4	20.6	17.4	16.0	15.3	13.9	10.8	12.9	13.2	13.2	13.9
90°	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):

	160°	165°	170°	175°	180°
0°	40.8	40.8	40.8	40.8	40.8
2.5°	64.1	63.4	62.7	62.4	62.4
5°	40.4	39.4	39.4	39.4	39.0
7.5°	67.2	68.3	67.9	67.9	67.6
10°	69.0	68.6	69.0	68.6	69.0
12.5°	94.1	96.8	98.6	99.3	98.6
15°	99.3	98.9	99.3	99.6	99.3
17.5°	119.8	123.0	123.7	123.3	123.3
20°	118.1	120.9	121.2	123.0	121.2
22.5°	139.0	138.3	140.0	139.3	138.7
25°	146.0	139.7	155.0	156.1	155.0
27.5°	162.3	151.9	153.3	153.3	151.9
30°	168.6	164.1	165.1	166.5	166.2
32.5°	156.1	157.8	170.7	173.1	172.8
35°	153.6	156.1	154.3	156.4	163.4
37.5°	144.2	145.6	148.4	150.8	151.2
40°	125.8	131.3	135.5	137.3	138.7
42.5°	100.3	106.3	110.1	111.8	110.4
45°	78.0	81.9	85.0	86.0	85.0
47.5°	59.9	61.3	62.4	62.7	63.8
50°	46.0	46.0	46.3	45.6	45.6
52.5°	38.7	37.6	37.6	36.9	36.9
55°	35.2	34.5	34.1	33.4	33.4
57.5°	35.2	33.8	32.7	31.7	31.7
60°	36.6	34.1	32.0	31.0	30.7
62.5°	38.0	34.8	32.0	30.7	30.3
65°	37.3	34.5	32.0	30.7	30.3
67°	35.9	33.8	32.0	30.7	30.7
67.5°	35.5	33.8	32.0	30.7	30.3
70°	34.1	33.4	31.7	30.3	30.0
72.5°	32.7	32.0	30.3	28.9	28.6
75°	31.4	30.3	28.9	27.9	27.5
77.5°	29.6	28.2	26.8	25.4	24.7
80°	26.8	25.1	23.3	22.3	20.9
82.5°	22.6	22.3	20.2	18.8	17.4
85°	18.8	18.5	17.1	15.3	13.6
87.5°	14.3	14.6	13.6	11.8	8.4
90°	0.0	0.0	0.0	0.0	0.0

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