

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: P157182

Luminaire Tested: **UTLD-E01-LED-E-U-T4-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157182
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-E01-LED-E-U-T4-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2705.8 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

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

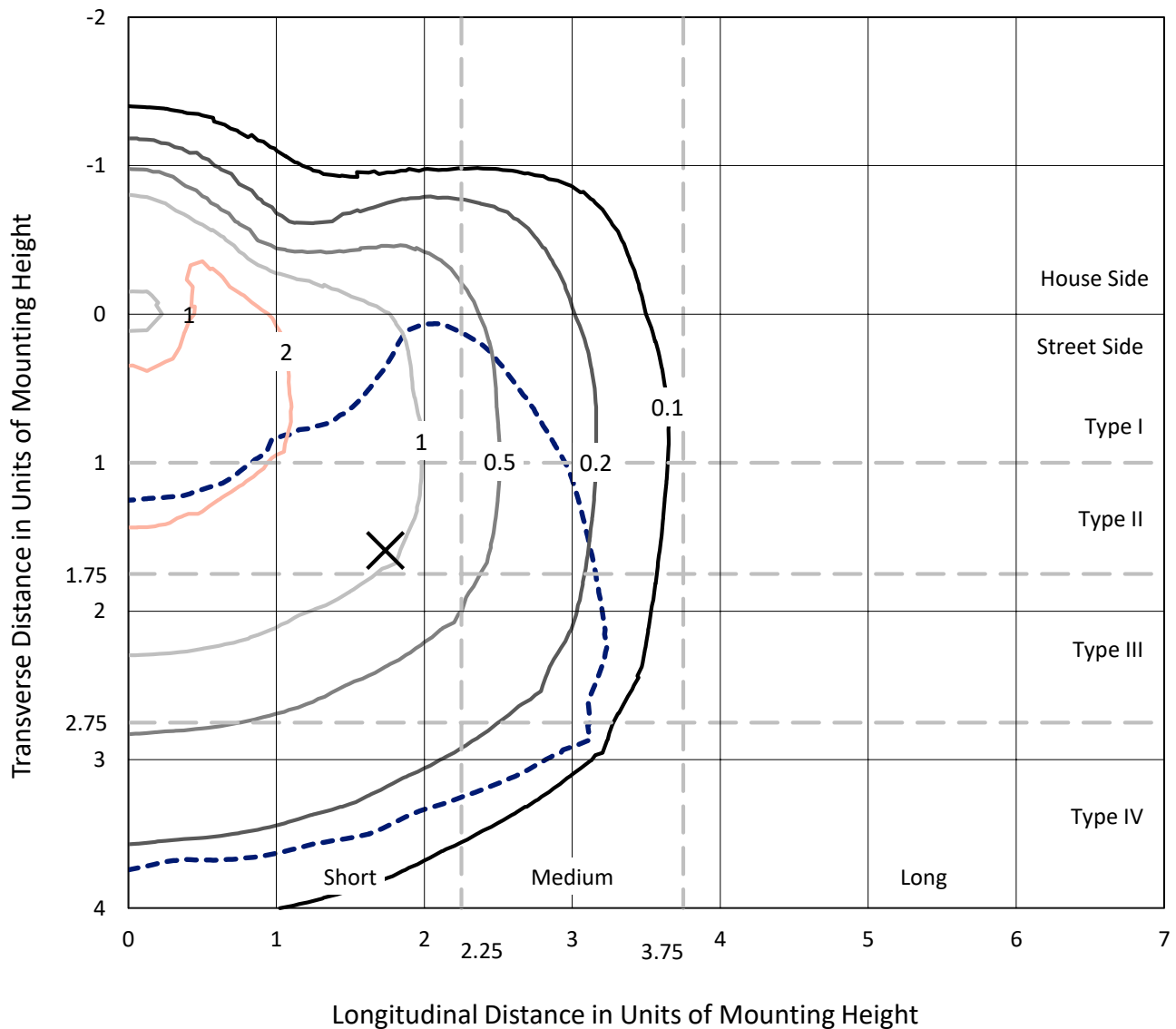


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

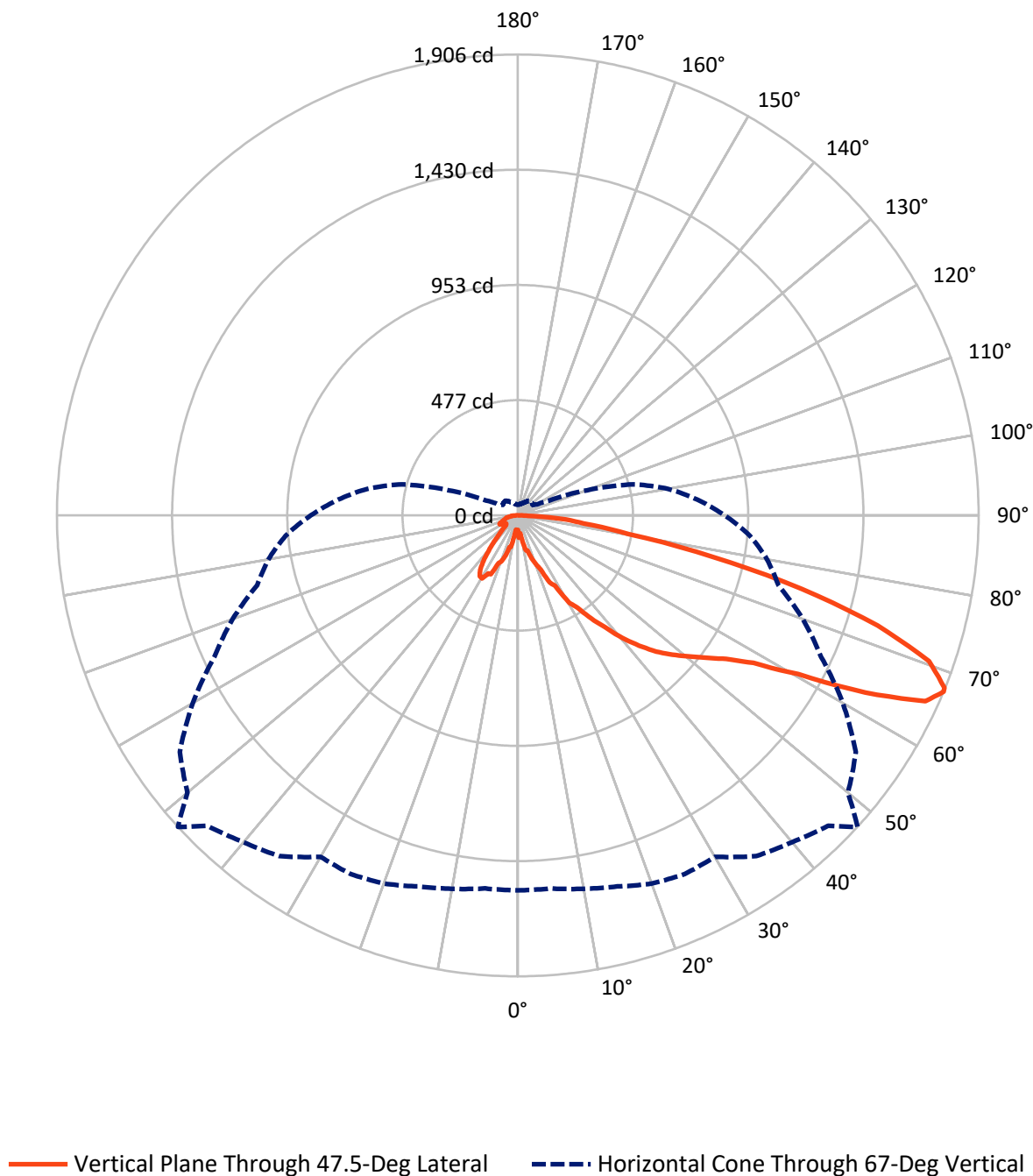


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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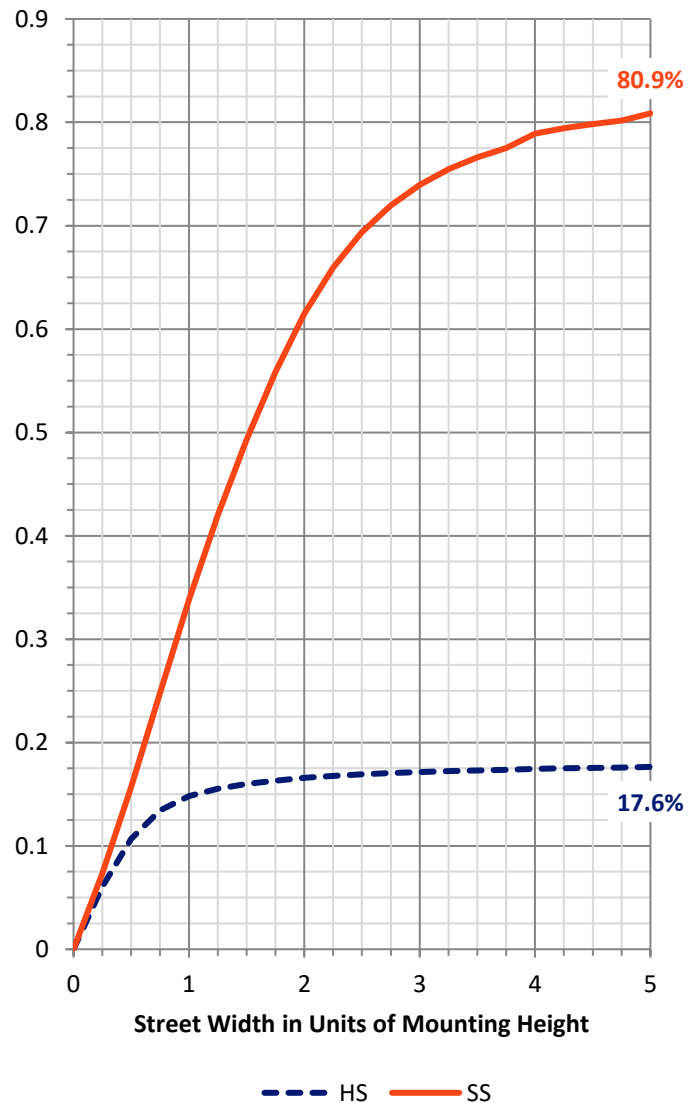
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.7	0.0	485.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2220.1	0.0	2220.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	2705.8	0.0	2705.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.3
10°-20°	44.4	1.6
20°-30°	130.8	4.8
30°-40°	257.1	9.5
40°-50°	359.0	13.3
50°-60°	500.5	18.5
60°-70°	802.1	29.6
70°-80°	514.5	19.0
80°-90°	89.5	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°	2705.8	100.0
0°-180°	2705.8	100.0

Coefficient of Utilization



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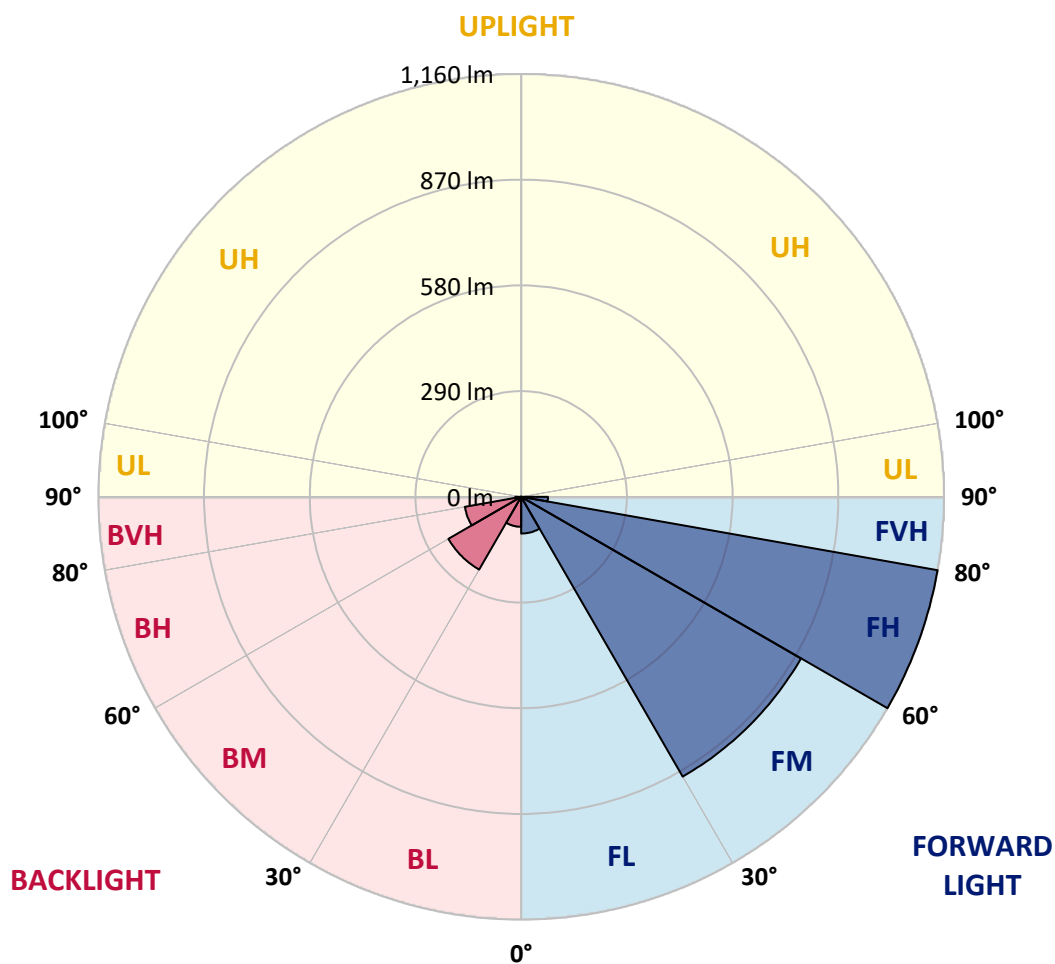
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.8	3.7			
FM	(30°-60°)	886.2	32.8			
FH	(60°-80°)	1159.8	42.9			G1/1800
FVH	(80°-90°)	73.4	2.7			G1/100
BL	(0°-30°)	82.3	3.0	B0/110		
BM	(30°-60°)	230.4	8.5	B1/1000		
BH	(60°-80°)	156.8	5.8	B1/500		G1/500
BVH	(80°-90°)	16.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-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°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	93.4	93.9	93.4	93.9	93.9	93.4	93.4	93.4	94.9	90.3	92.3
5°	73.9	74.4	74.4	74.4	74.4	74.4	74.9	76.4	74.9	75.4	75.4
7.5°	112.9	113.9	113.9	112.9	113.4	113.4	112.9	80.5	78.0	76.4	74.9
10°	115.4	116.5	116.5	114.4	114.9	115.4	115.4	114.9	113.9	110.3	109.8
12.5°	156.5	157.0	156.5	156.0	154.9	149.8	137.5	119.5	113.9	144.2	146.7
15°	167.8	167.3	166.2	163.7	162.1	159.6	156.5	182.1	179.1	154.9	151.9
17.5°	212.9	212.9	211.9	211.4	204.7	202.7	196.5	192.9	189.3	184.2	187.3
20°	258.1	255.5	232.9	220.6	212.9	236.0	235.5	228.8	234.5	215.5	215.0
22.5°	274.5	272.9	270.9	264.2	262.2	278.1	262.7	258.1	263.2	243.2	242.7
25°	338.6	338.1	328.9	323.7	307.8	299.6	305.3	301.2	286.8	286.3	307.3
27.5°	366.3	362.7	356.1	347.3	363.2	356.6	357.6	322.7	349.9	336.0	330.4
30°	437.6	439.2	427.4	431.5	427.9	396.1	385.8	395.6	394.0	383.3	417.6
32.5°	526.9	526.4	513.6	490.5	459.2	453.0	459.2	450.5	447.4	445.3	455.6
35°	625.4	618.2	574.1	563.3	545.9	533.1	527.9	505.9	515.1	490.0	524.3
37.5°	673.1	674.2	657.2	657.2	638.8	619.8	596.2	598.7	578.7	563.3	587.4
40°	743.9	746.5	730.6	721.9	713.7	683.9	668.0	656.2	655.7	641.8	666.5
42.5°	778.3	782.4	768.0	763.4	769.1	749.6	723.9	723.4	726.5	707.5	736.2
45°	813.7	818.8	804.0	810.1	804.0	800.9	766.5	783.9	792.7	771.6	802.9
47.5°	855.3	861.9	856.3	852.7	846.5	846.5	821.4	833.2	846.0	828.1	860.9
50°	907.1	911.7	905.5	904.0	894.8	893.2	876.8	885.0	895.3	876.8	915.8
52.5°	975.8	976.9	972.7	963.5	949.7	952.7	943.0	943.5	947.6	935.3	978.4
55°	1062.5	1063.6	1063.0	1041.5	1054.3	1030.7	1014.8	1017.9	1015.8	1006.1	1047.1
57.5°	1170.8	1177.5	1180.5	1161.6	1173.4	1129.7	1120.5	1114.9	1122.0	1100.0	1150.3
60°	1343.2	1353.4	1348.3	1345.2	1336.0	1295.5	1283.7	1300.1	1292.4	1272.9	1332.9
62.5°	1564.3	1561.7	1574.6	1572.5	1575.1	1534.5	1506.8	1546.9	1560.2	1567.9	1613.6
65°	1621.2	1621.8	1638.2	1642.3	1662.3	1658.2	1639.2	1709.0	1731.6	1763.9	1852.6
67°	1550.4	1548.4	1567.9	1588.4	1620.2	1636.1	1630.0	1719.8	1763.9	1815.2	1906.0
67.5°	1528.4	1524.3	1545.3	1572.0	1604.8	1624.3	1619.7	1712.6	1758.7	1814.7	1903.4
70°	1384.2	1369.9	1396.5	1432.4	1462.2	1506.8	1508.9	1597.1	1661.3	1721.3	1803.9
72.5°	1199.5	1180.5	1204.6	1231.8	1253.9	1305.7	1308.8	1366.3	1431.9	1480.7	1557.1
75°	952.2	927.6	950.2	963.5	971.7	1013.8	1017.4	1067.7	1115.9	1153.3	1212.3
77.5°	589.0	572.6	591.0	613.1	640.8	659.3	669.5	700.3	753.2	795.2	827.0
80°	295.0	306.8	326.3	356.1	379.1	411.5	424.8	426.9	448.9	445.8	465.9
82.5°	205.2	218.0	245.8	264.7	271.9	282.2	298.6	293.5	278.6	276.0	274.0
85°	52.3	81.6	149.8	181.6	188.8	199.6	214.5	223.2	200.1	181.1	184.7
87.5°	14.4	17.4	51.3	75.9	82.1	60.5	78.5	93.9	61.1	40.5	42.6
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°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	83.1	73.9	69.8	63.6	62.1	61.6	60.5	60.5	60.0	60.0	60.0
5°	77.0	85.2	92.3	94.4	90.3	67.2	65.2	61.6	61.1	61.1	61.6
7.5°	75.4	76.4	77.0	73.9	86.2	86.7	62.6	61.6	61.6	61.6	62.1
10°	109.8	81.6	102.6	106.2	108.8	126.7	125.2	94.9	91.3	93.4	96.5
12.5°	147.8	151.9	135.4	109.8	112.4	113.4	127.2	98.5	92.9	96.5	116.5
15°	151.4	150.8	158.0	177.0	153.9	149.3	159.0	136.5	135.4	127.2	148.8
17.5°	214.5	183.7	178.5	180.1	164.7	157.5	146.2	158.5	143.7	139.6	136.5
20°	222.7	204.2	195.0	227.3	247.3	226.3	215.0	218.6	205.7	198.0	196.5
22.5°	242.2	263.7	272.4	251.9	251.9	248.8	271.4	255.0	247.8	239.6	236.0
25°	315.5	280.6	307.8	329.9	319.1	310.9	294.0	299.6	276.5	276.0	265.8
27.5°	345.3	365.8	356.1	358.1	341.2	367.3	356.1	343.7	322.2	318.1	323.2
30°	421.7	400.7	409.9	417.1	409.4	407.9	396.1	378.6	363.2	352.0	350.4
32.5°	453.0	467.4	463.3	454.6	480.2	487.9	480.7	439.7	425.8	396.6	396.6
35°	515.1	507.9	543.8	535.1	524.9	515.1	508.4	480.2	449.9	419.2	411.0
37.5°	583.3	591.0	590.0	573.1	555.6	537.7	530.5	503.3	469.4	441.7	404.8
40°	653.6	639.3	632.1	617.2	585.4	569.5	558.7	543.3	491.5	460.2	406.3
42.5°	719.3	709.6	675.7	653.6	630.5	607.5	577.2	564.9	512.5	472.5	401.2
45°	779.8	762.9	726.5	698.3	660.3	641.8	599.2	576.2	535.6	473.5	387.4
47.5°	830.6	813.2	776.2	728.5	693.6	667.0	627.0	606.9	557.7	485.3	387.4
50°	879.9	859.9	819.9	752.6	721.4	676.7	655.2	627.0	585.4	502.8	399.2
52.5°	933.8	909.6	861.9	785.5	749.6	706.0	682.9	659.3	621.3	526.9	418.7
55°	1000.5	971.7	909.6	835.8	784.5	745.0	722.9	698.3	658.8	554.6	442.8
57.5°	1096.4	1055.9	982.5	914.8	852.2	818.3	787.0	753.2	718.8	603.4	482.3
60°	1260.6	1216.4	1122.0	1061.0	992.8	947.6	897.8	871.2	818.3	696.2	547.4
62.5°	1533.5	1477.1	1387.8	1272.9	1175.4	1083.6	1031.7	993.3	914.8	777.8	631.1
65°	1736.2	1657.7	1538.1	1389.9	1272.9	1135.9	1085.6	1006.6	912.7	783.4	655.2
67°	1782.9	1706.4	1552.5	1384.2	1254.9	1115.9	1047.1	964.0	855.8	746.0	632.1
67.5°	1781.8	1706.9	1544.8	1374.5	1244.7	1105.6	1031.7	947.1	836.8	734.2	624.9
70°	1679.7	1619.2	1444.2	1272.4	1136.9	1008.1	911.2	831.7	727.0	645.4	550.5
72.5°	1429.9	1392.9	1232.4	1076.4	951.2	843.5	769.6	690.6	596.2	533.1	464.3
75°	1116.4	1064.1	908.6	787.0	686.0	614.1	555.1	484.3	409.9	373.5	347.3
77.5°	743.9	692.6	547.4	427.9	356.1	295.5	250.4	200.1	155.5	159.6	171.9
80°	404.3	363.2	261.7	188.8	153.9	124.7	104.7	80.0	58.5	70.3	80.0
82.5°	245.8	215.5	167.3	130.8	107.2	90.8	73.9	54.9	42.1	47.7	58.0
85°	170.8	150.8	119.5	93.9	76.4	61.1	47.7	35.4	33.3	36.4	41.6
87.5°	56.9	70.8	53.9	43.6	42.1	38.0	31.8	25.7	20.0	25.1	32.3
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°	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2.5°	60.5	61.1	63.6	65.2	65.2	63.6	73.9	72.9	88.8	89.8	93.9
5°	65.7	66.2	86.2	93.4	93.9	81.1	63.1	60.5	59.5	59.0	60.5
7.5°	74.4	86.7	78.5	56.4	58.5	58.5	59.5	59.0	59.5	70.3	96.5
10°	124.7	93.4	88.2	75.4	61.1	65.7	94.9	95.4	97.0	101.1	101.6
12.5°	109.8	95.9	90.3	90.8	125.2	134.4	129.8	99.0	100.6	103.1	120.6
15°	127.2	125.7	132.9	131.3	127.8	136.0	134.4	160.6	165.2	141.1	141.6
17.5°	130.3	131.3	161.6	165.7	162.6	178.0	168.3	166.2	169.8	167.3	159.0
20°	196.5	218.6	211.9	178.5	184.2	204.2	199.1	170.8	195.5	197.5	183.2
22.5°	205.7	225.2	231.4	250.4	249.3	209.3	215.5	225.2	204.7	195.5	213.4
25°	276.0	295.0	304.8	277.6	251.4	273.5	261.7	224.2	233.4	218.0	218.0
27.5°	343.2	315.5	324.8	312.4	320.7	276.0	262.7	278.1	231.4	235.5	240.1
30°	358.1	351.4	358.1	343.2	321.7	314.0	285.3	272.4	276.0	241.6	238.6
32.5°	383.3	371.5	359.1	332.5	329.4	306.3	286.3	281.2	255.5	242.7	240.6
35°	380.2	353.0	344.3	327.3	303.2	284.7	265.2	250.9	231.9	228.3	225.7
37.5°	370.4	328.4	304.2	287.8	267.3	249.9	222.2	212.4	205.7	199.1	196.0
40°	355.5	302.7	262.2	237.0	216.0	197.5	179.6	170.3	165.7	168.3	171.4
42.5°	329.4	272.9	217.0	188.3	166.2	151.4	139.6	135.4	133.9	136.5	141.6
45°	308.9	235.5	175.0	142.1	123.6	113.9	105.7	102.6	104.7	106.7	109.3
47.5°	299.6	206.8	140.1	107.2	92.9	87.7	82.6	80.0	81.1	82.6	84.7
50°	297.1	190.3	117.0	84.7	74.9	69.8	66.2	65.2	65.7	65.2	66.2
52.5°	297.6	190.3	106.2	74.4	65.7	61.6	58.5	57.5	55.9	55.4	55.9
55°	308.3	195.5	103.6	72.3	64.1	59.5	56.4	55.9	53.9	52.3	51.8
57.5°	341.2	213.9	109.8	76.4	66.7	62.6	59.5	59.0	56.9	54.4	53.4
60°	406.3	254.5	126.2	85.7	73.4	69.8	67.7	67.2	64.1	60.5	57.5
62.5°	474.6	299.1	146.2	95.4	81.1	80.0	80.5	79.5	75.4	67.7	62.1
65°	504.8	316.6	153.9	96.5	81.1	83.1	84.7	85.2	78.5	69.3	62.1
67°	495.6	304.2	146.2	90.3	75.9	78.0	78.5	79.0	72.3	64.6	58.0
67.5°	491.0	299.1	143.7	89.3	75.4	77.0	76.4	76.4	70.3	63.6	56.9
70°	443.3	264.2	126.7	82.6	70.3	68.2	64.1	64.1	59.5	55.9	52.3
72.5°	376.1	224.2	110.3	78.5	66.7	61.1	56.4	55.9	52.8	51.3	49.3
75°	287.3	174.4	97.0	74.4	63.1	56.4	51.3	51.8	48.7	48.2	47.2
77.5°	170.8	118.5	84.1	69.3	60.0	53.4	47.7	48.7	45.1	44.6	44.6
80°	85.2	79.0	69.8	60.0	52.3	47.2	41.6	41.6	39.0	38.5	40.0
82.5°	64.1	59.5	51.8	45.7	41.0	35.4	27.7	30.8	30.8	31.8	32.8
85°	47.7	42.6	36.9	32.3	29.8	26.7	21.5	23.6	24.1	26.2	27.2
87.5°	35.9	30.3	25.7	23.6	22.6	20.5	15.9	19.0	19.5	19.5	20.5
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°	60.0	60.0	60.0	60.0	60.0
2.5°	94.4	93.4	92.3	91.8	91.8
5°	59.5	58.0	58.0	58.0	57.5
7.5°	99.0	100.6	100.0	100.0	99.5
10°	101.6	101.1	101.6	101.1	101.6
12.5°	138.5	142.6	145.2	146.2	145.2
15°	146.2	145.7	146.2	146.7	146.2
17.5°	176.5	181.1	182.1	181.6	181.6
20°	173.9	178.0	178.5	181.1	178.5
22.5°	204.7	203.7	206.2	205.2	204.2
25°	215.0	205.7	228.3	229.8	228.3
27.5°	239.1	223.7	225.7	225.7	223.7
30°	248.3	241.6	243.2	245.2	244.7
32.5°	229.8	232.4	251.4	255.0	254.5
35°	226.3	229.8	227.3	230.4	240.6
37.5°	212.4	214.5	218.6	222.2	222.7
40°	185.2	193.4	199.6	202.1	204.2
42.5°	147.8	156.5	162.1	164.7	162.6
45°	114.9	120.6	125.2	126.7	125.2
47.5°	88.2	90.3	91.8	92.3	93.9
50°	67.7	67.7	68.2	67.2	67.2
52.5°	56.9	55.4	55.4	54.4	54.4
55°	51.8	50.8	50.3	49.3	49.3
57.5°	51.8	49.8	48.2	46.7	46.7
60°	53.9	50.3	47.2	45.7	45.1
62.5°	55.9	51.3	47.2	45.1	44.6
65°	54.9	50.8	47.2	45.1	44.6
67°	52.8	49.8	47.2	45.1	45.1
67.5°	52.3	49.8	47.2	45.1	44.6
70°	50.3	49.3	46.7	44.6	44.1
72.5°	48.2	47.2	44.6	42.6	42.1
75°	46.2	44.6	42.6	41.0	40.5
77.5°	43.6	41.6	39.5	37.5	36.4
80°	39.5	36.9	34.4	32.8	30.8
82.5°	33.3	32.8	29.8	27.7	25.7
85°	27.7	27.2	25.1	22.6	20.0
87.5°	21.0	21.5	20.0	17.4	12.3
90°	0.0	0.0	0.0	0.0	0.0

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