

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: P179294

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179294
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
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-SL4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.8 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
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

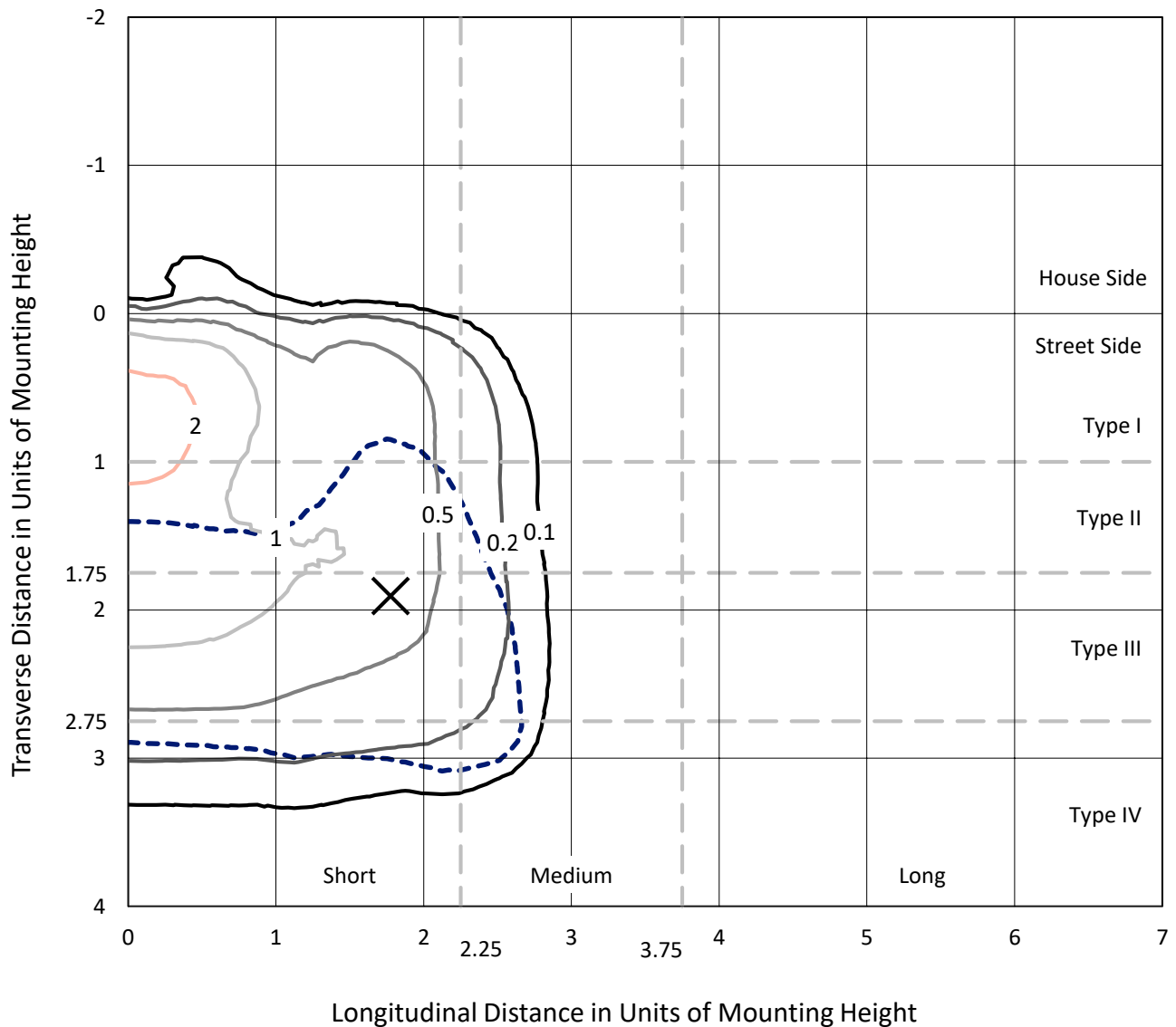


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

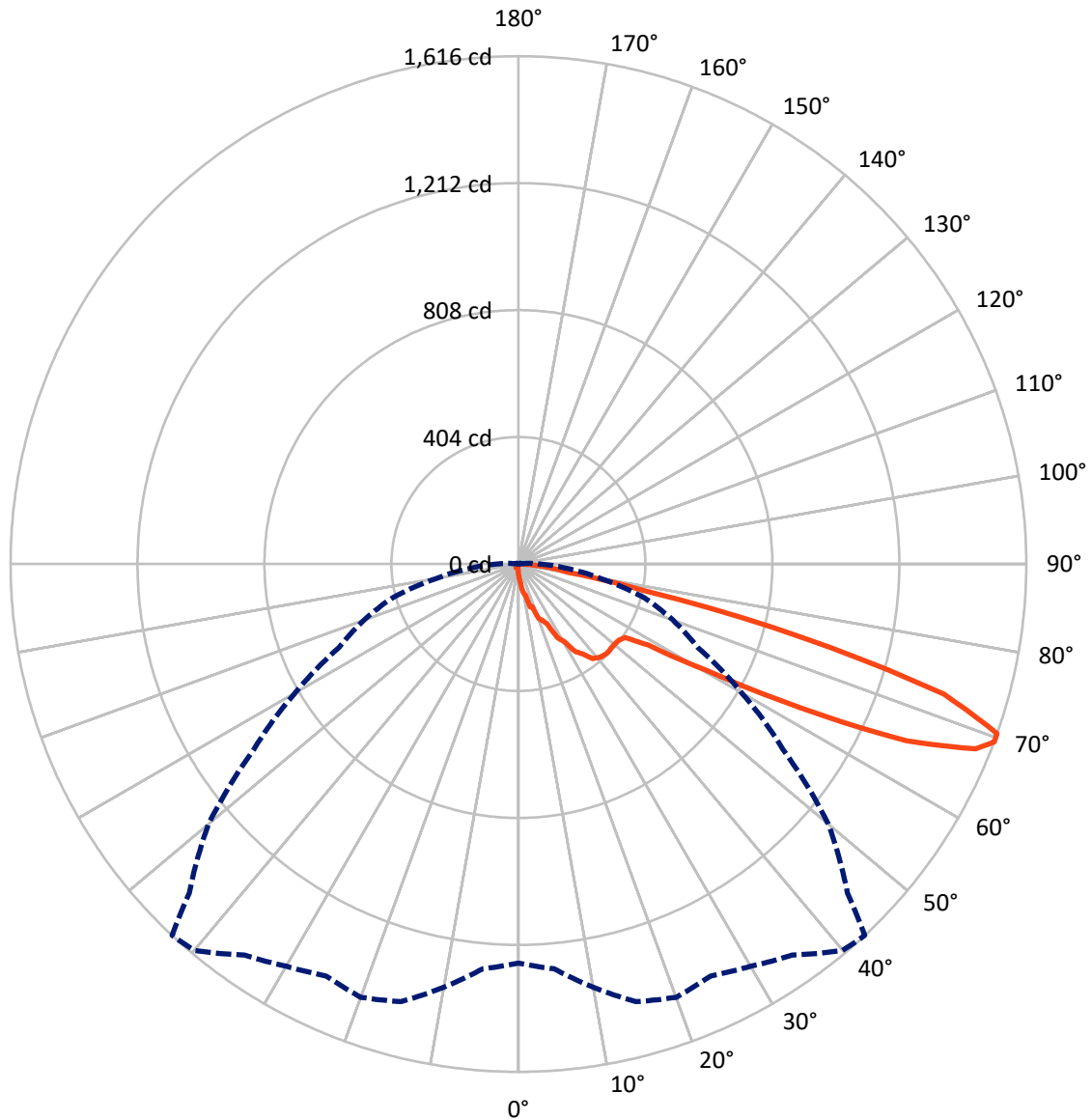


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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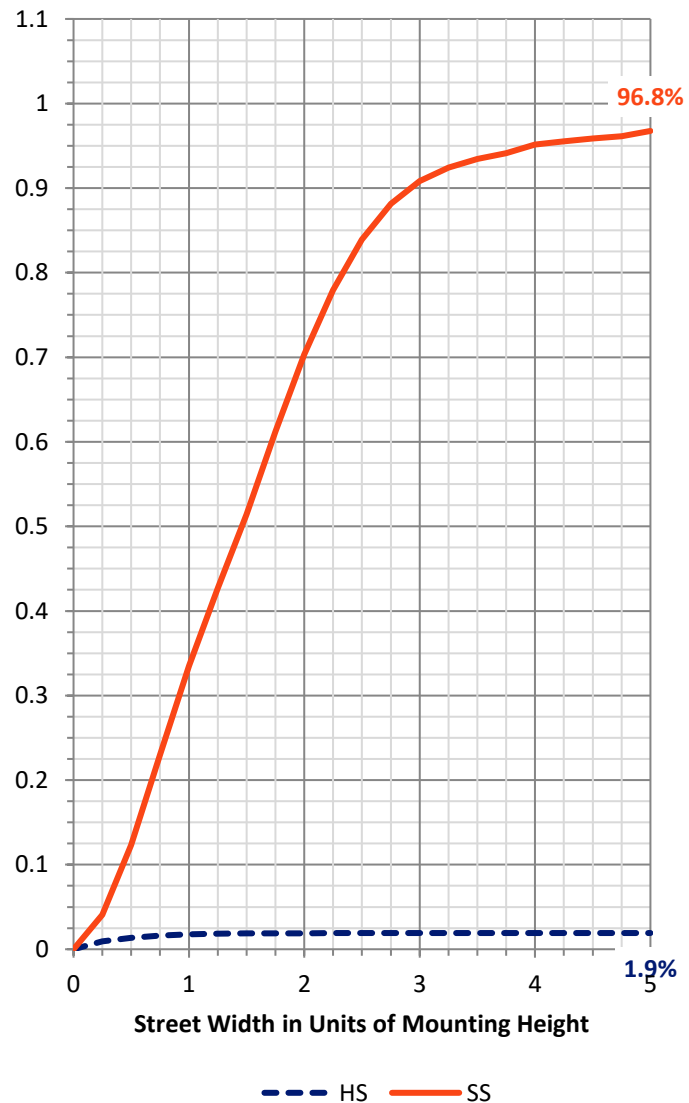
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.1	0.0	26.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1321.6	0.0	1321.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	1347.8	0.0	1347.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.3
10°-20°	18.7	1.4
20°-30°	51.6	3.8
30°-40°	108.2	8.0
40°-50°	156.3	11.6
50°-60°	242.5	18.0
60°-70°	512.0	38.0
70°-80°	227.7	16.9
80°-90°	27.0	2.0
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°	1347.8	100.0
0°-180°	1347.8	100.0



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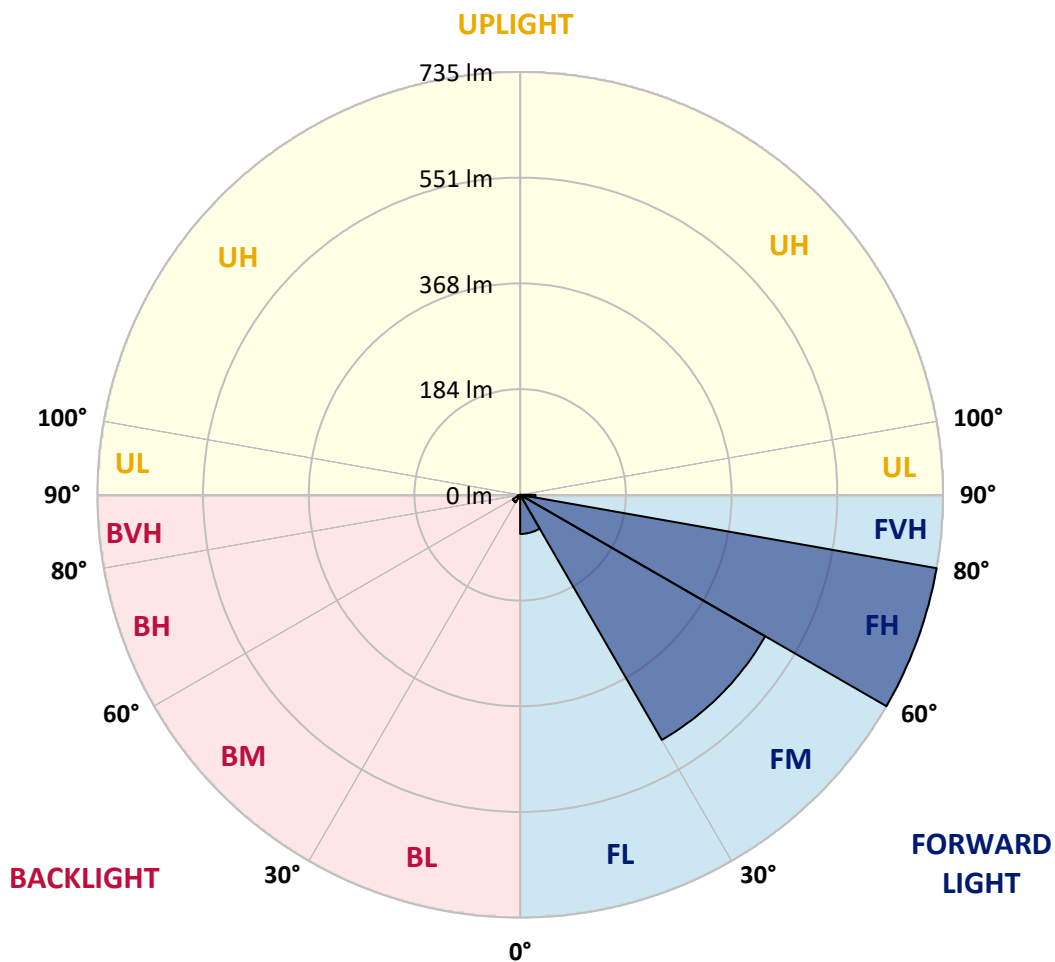
CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.9	5.0			
FM (30°-60°)	492.1	36.5			
FH (60°-80°)	735.1	54.5			G1/1800
FVH (80°-90°)	26.6	2.0			G1/100
BL (0°-30°)	6.2	0.5	B0/110		
BM (30°-60°)	14.9	1.1	B0/220		
BH (60°-80°)	4.6	0.3	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
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°	43°	45°
0°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2.5°	49.8	49.8	49.4	49.0	47.9	47.5	46.4	45.6	46.0	45.6	45.2
5°	63.7	62.6	61.1	58.8	58.1	56.9	56.2	54.3	53.5	53.2	52.4
7.5°	105.6	102.9	101.4	101.0	99.9	98.8	95.8	93.1	90.5	80.7	66.7
10°	113.5	113.9	114.2	112.0	112.7	109.0	105.2	102.9	101.4	95.8	92.4
12.5°	149.3	147.0	146.7	148.2	144.8	142.9	138.7	131.9	109.3	101.8	104.4
15°	173.0	176.1	165.1	151.9	148.9	145.9	137.2	138.7	148.9	142.1	134.6
17.5°	186.2	187.0	185.1	183.6	178.3	174.9	181.0	153.4	150.4	142.5	137.2
20°	233.4	234.1	230.7	214.9	195.3	185.5	191.1	180.6	176.8	184.7	157.2
22.5°	255.2	256.0	253.0	248.4	239.8	241.7	228.5	194.2	196.8	195.3	176.4
25°	313.3	315.2	311.8	304.2	297.1	263.1	248.8	248.8	227.0	209.6	199.4
27.5°	374.4	367.2	344.6	334.8	329.5	312.2	311.0	272.2	260.1	265.8	231.5
30°	415.8	417.0	413.2	397.0	386.8	382.3	340.1	318.9	290.7	285.8	252.2
32.5°	497.3	497.6	489.7	482.2	435.1	415.1	386.0	358.9	317.1	331.4	288.4
35°	575.3	577.2	556.1	513.8	499.9	462.2	426.0	380.0	352.1	351.4	306.5
37.5°	621.3	621.3	605.5	574.9	560.2	508.2	450.1	415.8	365.7	381.5	331.0
40°	679.7	678.2	664.6	628.8	586.2	525.5	479.2	432.0	389.4	391.7	347.2
42.5°	703.1	701.2	691.8	655.6	598.7	547.0	486.3	436.6	395.1	398.1	354.8
45°	714.8	712.9	702.7	663.1	603.6	549.7	484.1	433.9	396.2	400.0	358.9
47.5°	712.1	709.5	701.2	668.0	618.3	547.8	469.4	428.3	394.3	398.1	360.4
50°	697.8	697.1	689.5	659.7	616.8	540.2	461.1	422.6	394.0	398.5	363.4
52.5°	689.5	690.3	683.1	662.4	608.5	537.6	465.6	424.5	396.2	401.5	367.9
55°	798.1	784.2	756.6	713.3	636.4	560.2	487.1	438.1	407.5	412.8	378.5
57.5°	1158.1	1145.3	1088.4	983.2	834.3	683.9	570.0	501.0	472.0	486.3	457.7
60°	1369.6	1354.9	1340.6	1293.1	1168.7	1034.5	830.1	717.8	663.9	686.5	658.2
62.5°	1457.5	1456.3	1449.6	1440.9	1354.5	1293.1	1140.8	1032.2	991.5	1008.1	948.1
65°	1512.5	1519.7	1521.2	1525.7	1469.5	1422.8	1333.8	1305.9	1359.8	1356.1	1244.1
67.5°	1473.7	1477.8	1502.7	1541.5	1513.6	1470.3	1457.8	1480.8	1550.2	1569.8	1431.1
69°	1270.1	1292.7	1367.4	1441.6	1467.3	1446.5	1477.8	1519.3	1604.9	1616.2	1481.2
70°	1012.6	1053.3	1137.0	1292.3	1353.8	1356.4	1447.7	1512.9	1609.4	1615.8	1484.2
72.5°	455.0	462.6	508.6	591.1	825.6	905.5	1129.1	1332.3	1431.1	1416.0	1289.3
75°	307.3	310.6	308.0	311.8	356.6	429.0	547.4	847.9	966.6	935.7	817.7
77.5°	254.5	254.1	249.2	245.8	247.3	257.9	257.1	294.1	407.5	418.8	367.9
80°	228.1	225.8	221.7	214.9	207.7	197.5	187.0	166.6	152.7	158.0	139.5
82.5°	123.7	119.5	128.9	138.0	158.7	167.4	153.8	128.6	115.4	108.2	96.5
85°	29.0	27.9	32.8	45.6	78.0	79.5	77.3	63.7	55.4	51.6	46.7
87.5°	7.5	7.5	7.9	7.9	38.5	44.1	35.8	16.2	12.4	10.9	9.4
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°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2.5°	44.5	44.1	43.4	43.4	42.6	40.7	35.4	30.5	27.5	26.4	25.3
5°	50.5	49.0	47.1	45.2	43.4	42.2	41.5	33.6	26.0	24.1	22.2
7.5°	57.7	54.3	51.3	48.3	45.6	41.5	39.2	37.3	25.3	22.2	20.4
10°	87.1	83.3	58.4	58.1	51.6	47.1	45.2	43.4	30.2	25.6	22.2
12.5°	103.7	98.4	88.6	72.8	53.9	50.9	44.5	40.0	28.7	22.6	20.7
15°	110.1	103.7	93.5	89.0	69.4	60.3	50.9	46.0	31.7	27.1	22.2
17.5°	136.1	132.7	105.6	95.8	83.3	59.9	52.4	40.7	31.7	24.1	21.1
20°	147.4	138.7	119.1	113.5	101.0	82.2	62.6	53.9	38.8	31.7	24.1
22.5°	165.5	163.2	150.0	119.9	105.9	89.3	64.8	56.5	42.2	30.5	23.0
25°	198.3	174.2	156.8	152.3	131.6	109.7	82.2	62.2	45.6	32.0	25.3
27.5°	214.5	201.7	182.1	164.7	135.3	113.5	92.0	67.9	49.0	34.7	26.0
30°	259.0	215.3	200.6	182.8	151.2	120.3	93.5	70.9	48.6	33.9	26.4
32.5°	276.7	247.3	220.9	192.3	170.0	135.0	103.7	72.0	50.5	35.1	29.0
35°	301.2	264.7	245.0	216.8	183.2	146.7	106.3	74.3	47.9	33.9	28.7
37.5°	322.0	282.7	250.7	224.7	188.5	150.0	109.7	76.5	49.4	33.2	27.5
40°	332.9	291.4	254.8	230.3	188.1	151.9	116.1	73.9	47.9	32.4	25.6
42.5°	341.9	300.8	261.6	236.4	195.7	160.2	118.0	77.7	47.5	32.4	23.8
45°	348.0	309.5	276.7	243.5	205.5	169.3	120.6	78.4	48.3	32.4	22.2
47.5°	351.4	320.1	291.8	254.1	222.8	187.0	136.1	85.6	49.4	31.3	20.7
50°	355.9	331.4	304.2	267.7	241.3	197.2	147.8	89.3	50.9	29.4	19.6
52.5°	359.3	337.4	312.5	284.6	267.7	228.8	176.8	107.1	55.0	28.3	18.5
55°	375.5	364.2	362.7	370.6	382.7	375.1	303.9	184.0	84.8	33.2	21.1
57.5°	482.9	503.3	540.2	571.9	562.9	544.8	436.9	254.5	115.0	36.2	24.5
60°	703.1	723.5	738.2	723.1	672.6	629.2	492.7	288.4	128.2	30.2	19.2
62.5°	941.0	903.7	858.4	790.6	733.6	650.7	518.7	307.6	131.6	25.6	14.3
65°	1147.6	1030.0	927.4	805.6	735.5	647.7	512.3	299.7	125.9	21.1	11.7
67.5°	1272.7	1072.2	912.3	746.1	643.9	542.5	395.8	230.3	96.5	17.0	9.8
69°	1287.1	1027.7	821.1	630.0	523.6	413.9	265.0	152.3	67.5	14.3	8.7
70°	1260.7	966.2	717.8	527.4	417.7	307.3	193.0	112.0	48.6	12.8	8.3
72.5°	1018.3	669.5	411.7	259.4	183.2	127.4	78.0	45.6	20.7	9.4	7.2
75°	558.3	287.6	162.9	107.8	83.7	64.1	44.1	24.5	12.1	7.9	6.0
77.5°	205.5	129.7	93.1	73.9	48.6	27.9	18.8	13.9	9.8	6.4	4.5
80°	123.3	90.1	65.6	35.1	23.4	17.7	13.6	10.9	7.9	4.9	3.0
82.5°	78.8	53.5	28.3	20.7	16.6	13.2	10.6	9.0	5.7	3.4	1.5
85°	36.2	21.5	17.0	14.7	12.8	11.7	10.9	9.0	4.5	1.9	1.1
87.5°	8.3	7.9	9.4	8.7	8.3	7.9	7.2	6.0	2.3	1.5	1.1
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°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2.5°	24.5	23.8	23.0	22.6	21.9	21.9	21.1	21.1	20.7	20.4	20.7
5°	20.7	20.0	19.2	18.5	17.7	17.0	17.3	17.7	17.7	18.1	15.8
7.5°	19.2	18.1	16.6	15.8	15.5	7.5	6.0	5.7	5.3	5.7	5.7
10°	19.6	17.7	16.6	6.8	4.9	4.9	4.9	4.9	5.3	6.4	7.9
12.5°	18.5	16.2	8.7	7.9	7.2	6.8	7.9	7.5	7.5	7.5	7.5
15°	20.7	11.7	9.0	7.9	8.7	9.4	9.4	9.0	7.5	7.5	9.0
17.5°	13.2	10.9	10.2	12.1	11.7	9.8	9.0	10.2	10.6	9.8	8.7
20°	17.3	15.5	13.9	12.1	11.3	11.3	12.4	10.6	9.8	10.2	10.6
22.5°	17.7	16.6	17.3	16.2	15.1	12.1	11.7	11.3	11.7	10.9	10.6
25°	22.2	22.6	20.4	16.6	15.8	14.7	13.6	11.3	11.7	10.6	11.3
27.5°	23.8	22.2	20.4	19.6	18.1	14.7	14.7	12.4	11.7	11.7	10.2
30°	24.9	22.6	21.1	19.2	17.3	16.2	14.3	12.8	11.7	11.3	10.9
32.5°	26.4	23.4	20.4	18.8	17.3	15.1	14.7	12.8	11.7	10.6	10.6
35°	24.5	21.9	20.0	18.5	15.8	14.3	13.6	12.4	10.9	10.6	9.8
37.5°	22.2	20.0	18.5	16.6	15.1	13.2	12.8	11.3	10.6	9.8	9.4
40°	20.4	18.1	16.6	15.1	13.6	12.1	11.3	10.2	9.0	8.7	8.7
42.5°	19.2	16.6	14.7	13.6	12.1	10.9	10.2	9.0	8.3	7.9	7.9
45°	17.7	15.1	13.2	11.7	10.6	9.8	9.0	7.9	7.2	7.2	7.2
47.5°	17.0	13.9	12.1	10.6	9.4	8.7	7.9	6.8	6.0	6.4	6.4
50°	15.8	12.8	10.6	9.8	8.7	7.9	7.2	6.0	5.7	5.7	5.7
52.5°	14.7	11.3	9.4	8.7	7.9	7.2	6.0	4.9	4.5	4.9	4.5
55°	14.7	10.2	8.3	7.5	6.8	6.0	4.9	4.1	3.8	3.4	3.0
57.5°	17.3	10.2	7.2	6.8	6.0	4.9	3.8	3.0	2.6	1.9	1.5
60°	15.1	10.2	6.4	6.0	5.3	4.1	3.0	2.3	1.5	1.1	0.8
62.5°	10.6	7.9	5.7	5.3	4.1	3.0	1.9	1.1	0.8	0.4	0.4
65°	9.0	6.4	5.3	4.5	3.4	2.3	1.1	0.8	0.4	0.4	0.4
67.5°	7.9	6.0	4.5	3.8	3.0	1.5	0.8	0.4	0.4	0.4	0.4
69°	7.2	5.7	4.5	3.4	2.6	1.1	0.8	0.4	0.4	0.4	0.4
70°	6.8	5.3	4.1	3.4	2.3	1.1	0.4	0.4	0.4	0.4	0.4
72.5°	5.7	4.1	3.4	3.0	1.9	0.8	0.4	0.4	0.4	0.4	0.4
75°	4.1	3.4	2.3	2.3	1.5	0.8	0.4	0.4	0.4	0.4	0.0
77.5°	3.0	2.3	1.5	1.5	1.1	0.8	0.4	0.4	0.4	0.4	0.0
80°	1.9	1.5	1.1	1.1	0.8	0.8	0.0	0.4	0.4	0.4	0.4
82.5°	1.1	1.1	1.1	0.8	0.8	0.8	0.4	0.8	0.4	0.4	0.4
85°	1.1	1.1	1.1	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.4
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.4	1.1	1.1	0.8	0.8
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°	29.8	29.8	29.8	29.8	29.8
2.5°	20.7	20.7	21.1	21.5	21.5
5°	12.1	8.3	8.7	8.7	8.7
7.5°	5.7	5.7	6.0	6.0	6.0
10°	8.7	8.7	8.7	8.7	9.0
12.5°	7.9	8.3	8.3	8.3	8.7
15°	9.4	9.8	10.2	10.2	10.6
17.5°	8.7	8.7	9.4	9.4	9.4
20°	10.2	10.2	10.2	10.2	10.2
22.5°	9.0	9.4	10.6	10.9	11.3
25°	10.6	10.2	10.2	10.2	10.2
27.5°	10.6	10.6	10.9	10.9	10.9
30°	10.6	9.8	9.8	10.2	10.6
32.5°	10.6	10.6	10.2	10.2	10.2
35°	9.8	10.6	10.6	10.6	10.6
37.5°	9.4	9.4	10.6	10.9	10.9
40°	9.0	9.4	9.8	11.3	11.3
42.5°	8.7	9.4	10.2	10.9	10.9
45°	8.3	9.0	9.4	10.2	10.2
47.5°	7.5	8.3	8.7	9.0	9.0
50°	6.8	6.8	7.2	7.2	6.8
52.5°	4.9	4.9	4.5	4.5	4.5
55°	3.0	2.6	2.6	2.6	2.3
57.5°	1.5	1.5	1.1	1.1	1.1
60°	0.8	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)