

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: P179288

Luminaire Tested: **UTLD-E01-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179288
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-E01-LED-E-U-SL4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1508.6 lumens
Efficiency: N/A
Efficacy: 61.1 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

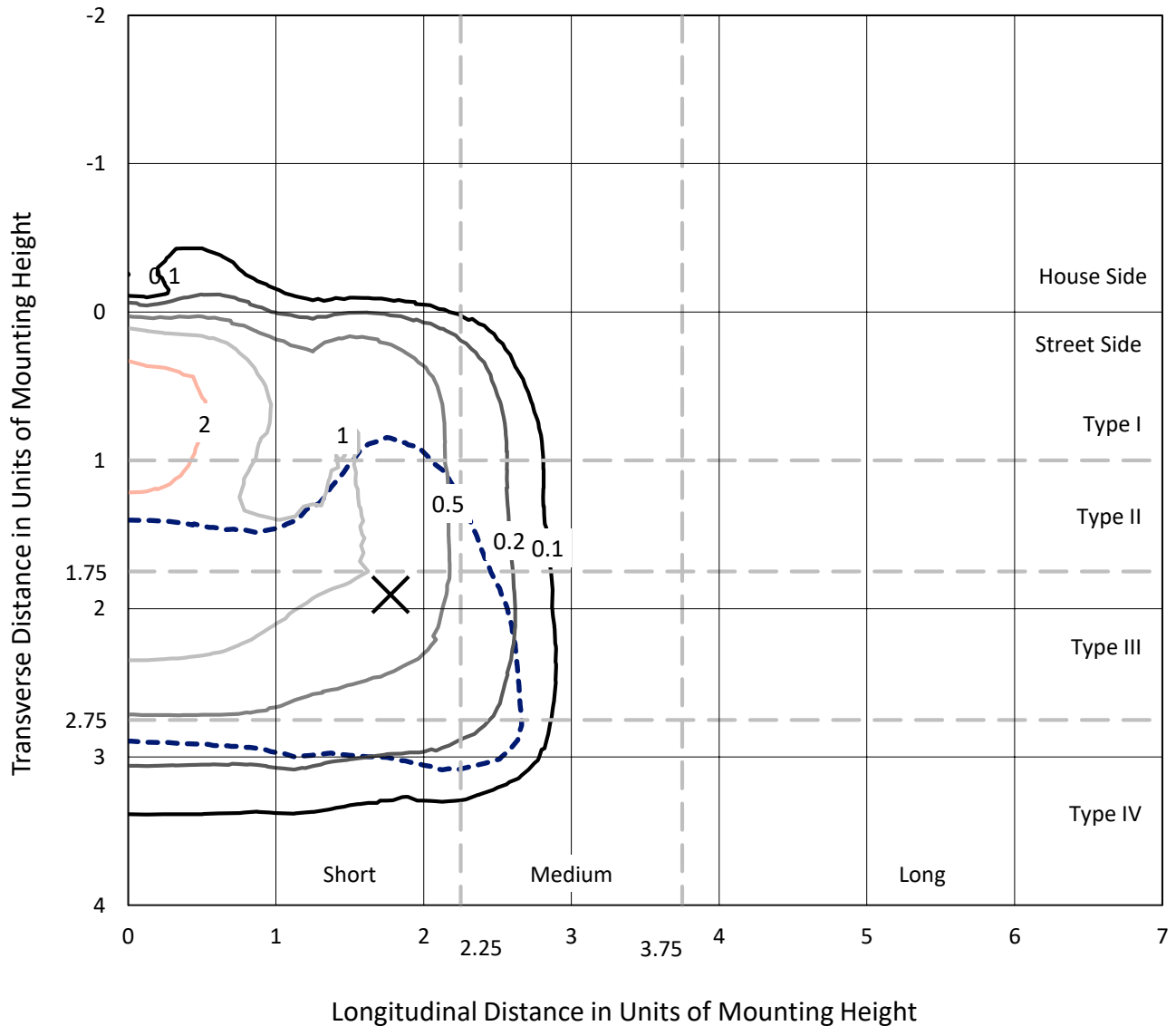
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

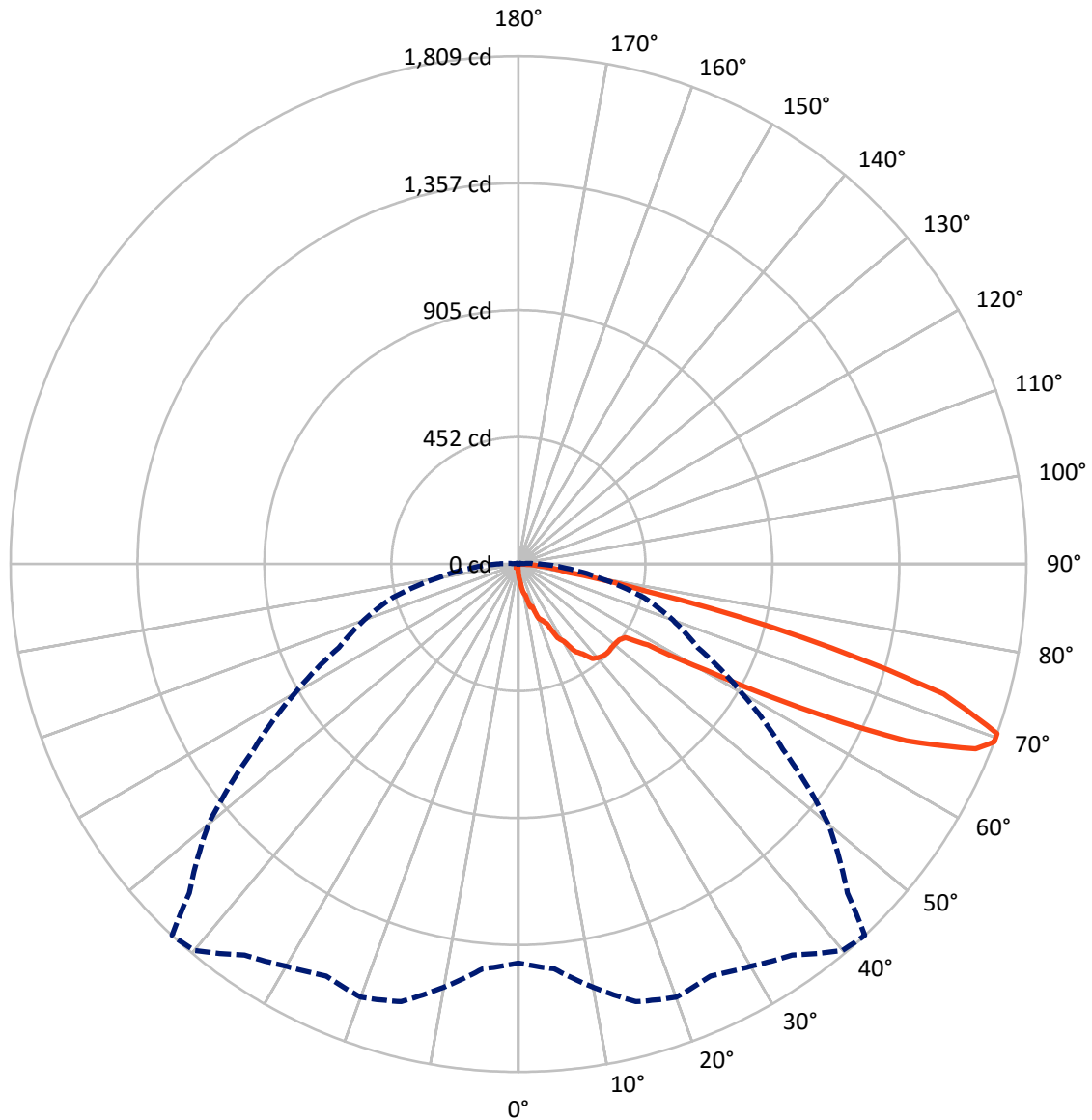


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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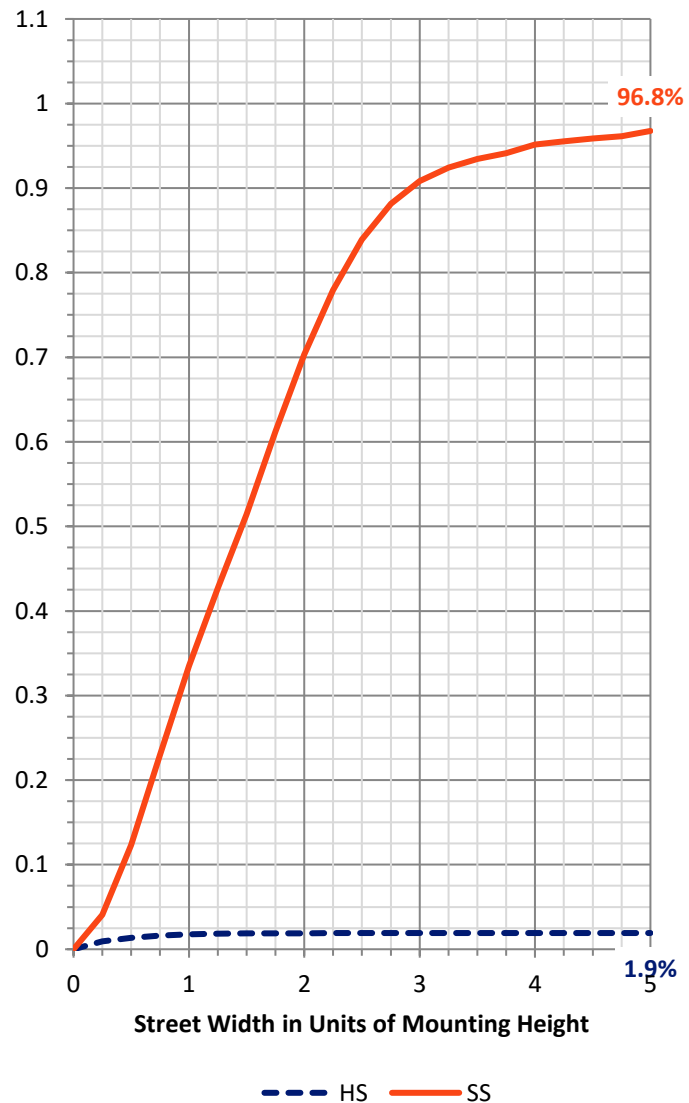
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.2	0.0	29.2
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1479.4	0.0	1479.4
	% Fixture	98.1	0.0	98.1
Total	Lumens	1508.6	0.0	1508.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.3
10°-20°	20.9	1.4
20°-30°	57.8	3.8
30°-40°	121.1	8.0
40°-50°	175.0	11.6
50°-60°	271.4	18.0
60°-70°	573.1	38.0
70°-80°	254.9	16.9
80°-90°	30.2	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°	1508.6	100.0
0°-180°	1508.6	100.0



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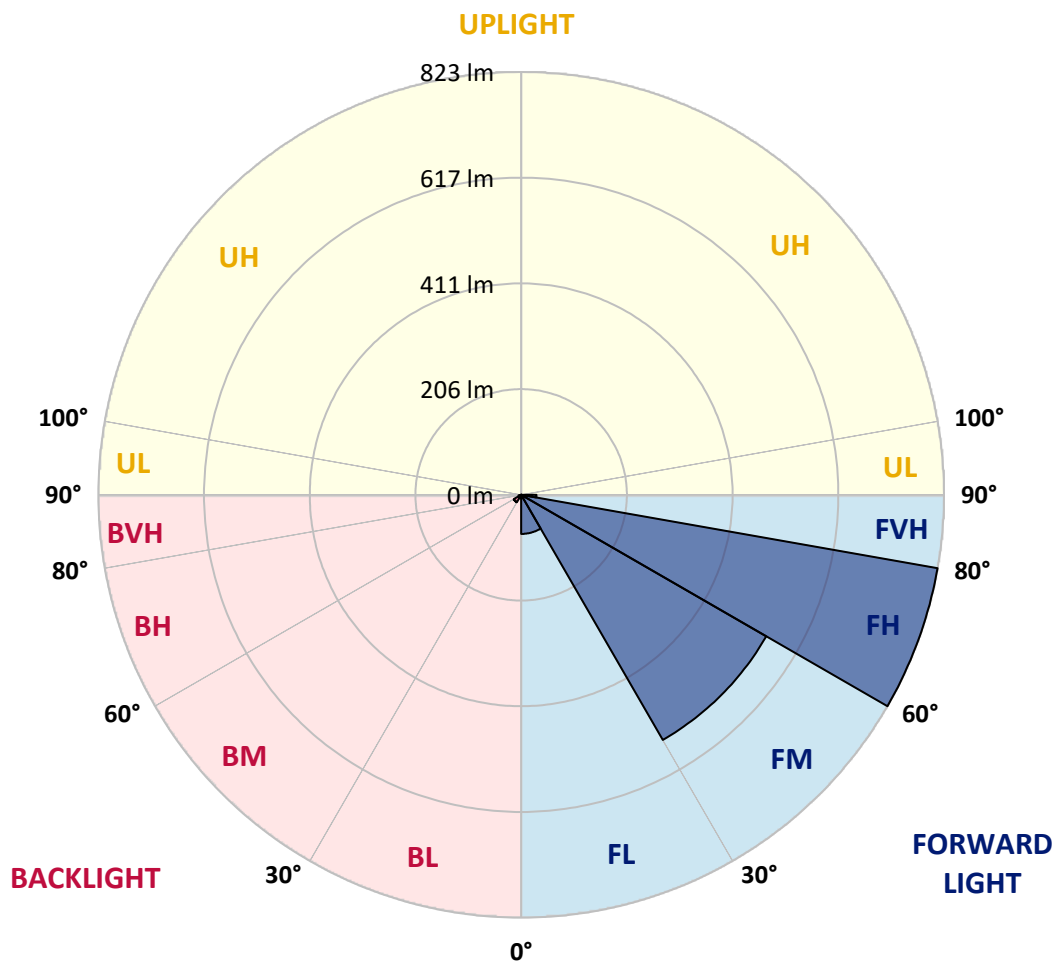
CATALOG NUMBER: UTLD-E01-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.0	5.0			
FM	(30°-60°)	550.8	36.5			
FH	(60°-80°)	822.8	54.5			G1/1800
FVH	(80°-90°)	29.8	2.0			G1/100
BL	(0°-30°)	6.9	0.5	B0/110		
BM	(30°-60°)	16.7	1.1	B0/220		
BH	(60°-80°)	5.1	0.3	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	55.7	55.7	55.3	54.9	53.6	53.2	51.9	51.1	51.5	51.1	50.6
5°	71.3	70.1	68.4	65.8	65.0	63.7	62.9	60.8	59.9	59.5	58.7
7.5°	118.2	115.2	113.5	113.1	111.8	110.6	107.2	104.2	101.3	90.3	74.7
10°	127.0	127.4	127.9	125.3	126.2	122.0	117.7	115.2	113.5	107.2	103.4
12.5°	167.1	164.6	164.2	165.8	162.0	159.9	155.3	147.7	122.4	113.9	116.9
15°	193.7	197.1	184.8	170.1	166.7	163.3	153.6	155.3	166.7	159.1	150.7
17.5°	208.5	209.3	207.2	205.5	199.6	195.8	202.6	171.8	168.4	159.5	153.6
20°	261.2	262.1	258.3	240.5	218.6	207.6	214.0	202.1	197.9	206.8	176.0
22.5°	285.7	286.5	283.2	278.1	268.4	270.5	255.7	217.3	220.3	218.6	197.5
25°	350.7	352.8	349.0	340.6	332.5	294.6	278.5	278.5	254.0	234.6	223.2
27.5°	419.0	411.0	385.7	374.7	368.8	349.4	348.1	304.7	291.2	297.5	259.1
30°	465.5	466.7	462.5	444.4	433.0	427.9	380.6	357.0	325.4	319.9	282.3
32.5°	556.6	557.0	548.2	539.7	487.0	464.6	432.1	401.7	354.9	370.9	322.8
35°	644.0	646.1	622.4	575.2	559.6	517.4	476.9	425.4	394.1	393.3	343.1
37.5°	695.4	695.4	677.7	643.5	627.1	568.8	503.9	465.5	409.3	427.1	370.5
40°	760.9	759.2	744.0	703.9	656.2	588.3	536.4	483.6	435.9	438.5	388.7
42.5°	787.0	784.9	774.4	733.9	670.1	612.3	544.4	488.7	442.3	445.6	397.1
45°	800.1	798.0	786.6	742.3	675.6	615.3	541.8	485.7	443.5	447.7	401.7
47.5°	797.1	794.2	784.9	747.8	692.1	613.2	525.4	479.4	441.4	445.6	403.4
50°	781.1	780.3	771.8	738.5	690.4	604.7	516.1	473.1	441.0	446.0	406.8
52.5°	771.8	772.7	764.7	741.4	681.1	601.8	521.2	475.2	443.5	449.4	411.9
55°	893.4	877.8	846.9	798.4	712.3	627.1	545.2	490.4	456.2	462.1	423.7
57.5°	1296.4	1282.0	1218.3	1100.6	933.9	765.5	638.1	560.8	528.3	544.4	512.3
60°	1533.1	1516.7	1500.6	1447.4	1308.2	1158.0	929.2	803.5	743.1	768.5	736.8
62.5°	1631.4	1630.2	1622.6	1612.9	1516.2	1447.4	1277.0	1155.4	1109.8	1128.4	1061.3
65°	1693.0	1701.1	1702.8	1707.8	1644.9	1592.6	1493.0	1461.8	1522.1	1517.9	1392.6
67.5°	1649.6	1654.2	1682.1	1725.5	1694.3	1645.8	1631.9	1657.6	1735.2	1757.2	1601.9
69°	1421.7	1447.0	1530.6	1613.7	1642.4	1619.2	1654.2	1700.6	1796.4	1809.1	1658.0
70°	1133.5	1179.1	1272.7	1446.6	1515.4	1518.3	1620.5	1693.5	1801.5	1808.7	1661.4
72.5°	509.3	517.8	569.3	661.7	924.2	1013.6	1263.9	1491.3	1601.9	1585.0	1443.2
75°	343.9	347.7	344.8	349.0	399.2	480.2	612.7	949.1	1082.0	1047.4	915.3
77.5°	284.8	284.4	278.9	275.1	276.8	288.6	287.8	329.2	456.2	468.8	411.9
80°	255.3	252.8	248.1	240.5	232.5	221.1	209.3	186.5	170.9	176.8	156.1
82.5°	138.4	133.8	144.3	154.5	177.7	187.4	172.2	143.9	129.1	121.1	108.0
85°	32.5	31.2	36.7	51.1	87.4	89.0	86.5	71.3	62.0	57.8	52.3
87.5°	8.4	8.4	8.9	8.9	43.0	49.4	40.1	18.1	13.9	12.2	10.5
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	49.8	49.4	48.5	48.5	47.7	45.6	39.7	34.2	30.8	29.5	28.3
5°	56.5	54.9	52.7	50.6	48.5	47.3	46.4	37.6	29.1	27.0	24.9
7.5°	64.6	60.8	57.4	54.0	51.1	46.4	43.9	41.8	28.3	24.9	22.8
10°	97.5	93.3	65.4	65.0	57.8	52.7	50.6	48.5	33.8	28.7	24.9
12.5°	116.0	110.1	99.2	81.4	60.3	57.0	49.8	44.7	32.1	25.3	23.2
15°	123.2	116.0	104.7	99.6	77.6	67.5	57.0	51.5	35.4	30.4	24.9
17.5°	152.3	148.5	118.2	107.2	93.3	67.1	58.7	45.6	35.4	27.0	23.6
20°	165.0	155.3	133.4	127.0	113.1	92.0	70.1	60.3	43.5	35.4	27.0
22.5°	185.3	182.7	168.0	134.2	118.6	100.0	72.6	63.3	47.3	34.2	25.7
25°	222.0	195.0	175.6	170.5	147.3	122.8	92.0	69.6	51.1	35.9	28.3
27.5°	240.1	225.8	203.8	184.4	151.5	127.0	103.0	76.0	54.9	38.8	29.1
30°	289.9	241.0	224.5	204.7	169.2	134.6	104.7	79.3	54.4	38.0	29.5
32.5°	309.7	276.8	247.3	215.2	190.3	151.1	116.0	80.6	56.5	39.2	32.5
35°	337.2	296.2	274.3	242.6	205.1	164.2	119.0	83.1	53.6	38.0	32.1
37.5°	360.4	316.5	280.6	251.5	211.0	168.0	122.8	85.7	55.3	37.1	30.8
40°	372.6	326.2	285.3	257.8	210.6	170.1	130.0	82.7	53.6	36.3	28.7
42.5°	382.7	336.8	292.9	264.6	219.0	179.3	132.1	86.9	53.2	36.3	26.6
45°	389.5	346.5	309.7	272.6	230.0	189.5	135.0	87.8	54.0	36.3	24.9
47.5°	393.3	358.3	326.6	284.4	249.4	209.3	152.3	95.8	55.3	35.0	23.2
50°	398.4	370.9	340.6	299.6	270.1	220.7	165.4	100.0	57.0	32.9	21.9
52.5°	402.2	377.7	349.8	318.6	299.6	256.2	197.9	119.8	61.6	31.6	20.7
55°	420.3	407.6	406.0	414.8	428.3	419.9	340.1	205.9	94.9	37.1	23.6
57.5°	540.6	563.4	604.7	640.2	630.0	609.8	489.1	284.8	128.7	40.5	27.4
60°	787.0	809.8	826.3	809.4	752.8	704.3	551.5	322.8	143.5	33.8	21.5
62.5°	1053.3	1011.5	960.9	884.9	821.2	728.4	580.7	344.3	147.3	28.7	16.0
65°	1284.6	1152.9	1038.1	901.8	823.3	725.0	573.5	335.5	140.9	23.6	13.1
67.5°	1424.7	1200.2	1021.2	835.1	720.8	607.3	443.1	257.8	108.0	19.0	11.0
69°	1440.7	1150.4	919.1	705.2	586.2	463.4	296.7	170.5	75.5	16.0	9.7
70°	1411.2	1081.6	803.5	590.4	467.6	343.9	216.1	125.3	54.4	14.3	9.3
72.5°	1139.8	749.5	460.8	290.3	205.1	142.6	87.4	51.1	23.2	10.5	8.0
75°	625.0	322.0	182.3	120.7	93.7	71.7	49.4	27.4	13.5	8.9	6.8
77.5°	230.0	145.2	104.2	82.7	54.4	31.2	21.1	15.6	11.0	7.2	5.1
80°	138.0	100.9	73.4	39.2	26.2	19.8	15.2	12.2	8.9	5.5	3.4
82.5°	88.2	59.9	31.6	23.2	18.6	14.8	11.8	10.1	6.3	3.8	1.7
85°	40.5	24.1	19.0	16.5	14.3	13.1	12.2	10.1	5.1	2.1	1.3
87.5°	9.3	8.9	10.5	9.7	9.3	8.9	8.0	6.8	2.5	1.7	1.3
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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	27.4	26.6	25.7	25.3	24.5	24.5	23.6	23.6	23.2	22.8	23.2
5°	23.2	22.4	21.5	20.7	19.8	19.0	19.4	19.8	19.8	20.3	17.7
7.5°	21.5	20.3	18.6	17.7	17.3	8.4	6.8	6.3	5.9	6.3	6.3
10°	21.9	19.8	18.6	7.6	5.5	5.5	5.5	5.5	5.9	7.2	8.9
12.5°	20.7	18.1	9.7	8.9	8.0	7.6	8.9	8.4	8.4	8.4	8.4
15°	23.2	13.1	10.1	8.9	9.7	10.5	10.5	10.1	8.4	8.4	10.1
17.5°	14.8	12.2	11.4	13.5	13.1	11.0	10.1	11.4	11.8	11.0	9.7
20°	19.4	17.3	15.6	13.5	12.7	12.7	13.9	11.8	11.0	11.4	11.8
22.5°	19.8	18.6	19.4	18.1	16.9	13.5	13.1	12.7	13.1	12.2	11.8
25°	24.9	25.3	22.8	18.6	17.7	16.5	15.2	12.7	13.1	11.8	12.7
27.5°	26.6	24.9	22.8	21.9	20.3	16.5	16.5	13.9	13.1	13.1	11.4
30°	27.9	25.3	23.6	21.5	19.4	18.1	16.0	14.3	13.1	12.7	12.2
32.5°	29.5	26.2	22.8	21.1	19.4	16.9	16.5	14.3	13.1	11.8	11.8
35°	27.4	24.5	22.4	20.7	17.7	16.0	15.2	13.9	12.2	11.8	11.0
37.5°	24.9	22.4	20.7	18.6	16.9	14.8	14.3	12.7	11.8	11.0	10.5
40°	22.8	20.3	18.6	16.9	15.2	13.5	12.7	11.4	10.1	9.7	9.7
42.5°	21.5	18.6	16.5	15.2	13.5	12.2	11.4	10.1	9.3	8.9	8.9
45°	19.8	16.9	14.8	13.1	11.8	11.0	10.1	8.9	8.0	8.0	8.0
47.5°	19.0	15.6	13.5	11.8	10.5	9.7	8.9	7.6	6.8	7.2	7.2
50°	17.7	14.3	11.8	11.0	9.7	8.9	8.0	6.8	6.3	6.3	6.3
52.5°	16.5	12.7	10.5	9.7	8.9	8.0	6.8	5.5	5.1	5.5	5.1
55°	16.5	11.4	9.3	8.4	7.6	6.8	5.5	4.6	4.2	3.8	3.4
57.5°	19.4	11.4	8.0	7.6	6.8	5.5	4.2	3.4	3.0	2.1	1.7
60°	16.9	11.4	7.2	6.8	5.9	4.6	3.4	2.5	1.7	1.3	0.8
62.5°	11.8	8.9	6.3	5.9	4.6	3.4	2.1	1.3	0.8	0.4	0.4
65°	10.1	7.2	5.9	5.1	3.8	2.5	1.3	0.8	0.4	0.4	0.4
67.5°	8.9	6.8	5.1	4.2	3.4	1.7	0.8	0.4	0.4	0.4	0.4
69°	8.0	6.3	5.1	3.8	3.0	1.3	0.8	0.4	0.4	0.4	0.4
70°	7.6	5.9	4.6	3.8	2.5	1.3	0.4	0.4	0.4	0.4	0.4
72.5°	6.3	4.6	3.8	3.4	2.1	0.8	0.4	0.4	0.4	0.4	0.4
75°	4.6	3.8	2.5	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
77.5°	3.4	2.5	1.7	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.0
80°	2.1	1.7	1.3	1.3	0.8	0.8	0.0	0.4	0.4	0.4	0.4
82.5°	1.3	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.4	0.4	0.4
85°	1.3	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.4
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	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°	33.3	33.3	33.3	33.3	33.3
2.5°	23.2	23.2	23.6	24.1	24.1
5°	13.5	9.3	9.7	9.7	9.7
7.5°	6.3	6.3	6.8	6.8	6.8
10°	9.7	9.7	9.7	9.7	10.1
12.5°	8.9	9.3	9.3	9.3	9.7
15°	10.5	11.0	11.4	11.4	11.8
17.5°	9.7	9.7	10.5	10.5	10.5
20°	11.4	11.4	11.4	11.4	11.4
22.5°	10.1	10.5	11.8	12.2	12.7
25°	11.8	11.4	11.4	11.4	11.4
27.5°	11.8	11.8	12.2	12.2	12.2
30°	11.8	11.0	11.0	11.4	11.8
32.5°	11.8	11.8	11.4	11.4	11.4
35°	11.0	11.8	11.8	11.8	11.8
37.5°	10.5	10.5	11.8	12.2	12.2
40°	10.1	10.5	11.0	12.7	12.7
42.5°	9.7	10.5	11.4	12.2	12.2
45°	9.3	10.1	10.5	11.4	11.4
47.5°	8.4	9.3	9.7	10.1	10.1
50°	7.6	7.6	8.0	8.0	7.6
52.5°	5.5	5.5	5.1	5.1	5.1
55°	3.4	3.0	3.0	3.0	2.5
57.5°	1.7	1.7	1.3	1.3	1.3
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)