

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: P179295

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179295  
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  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

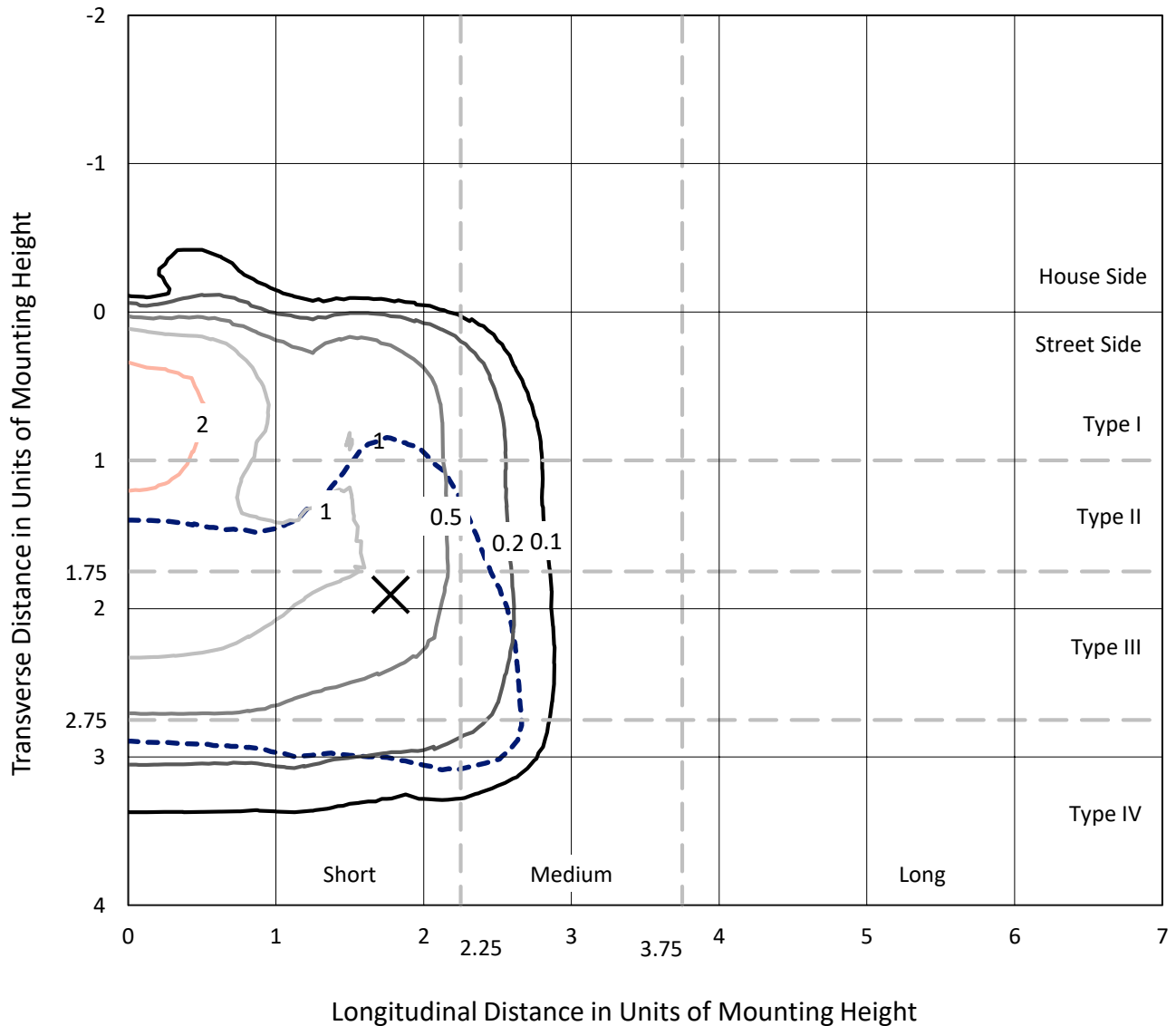
Lumens per Lamp: N/A  
Luminaire Lumens: 1475.6 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25.9  
Input Voltage (V): NR  
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

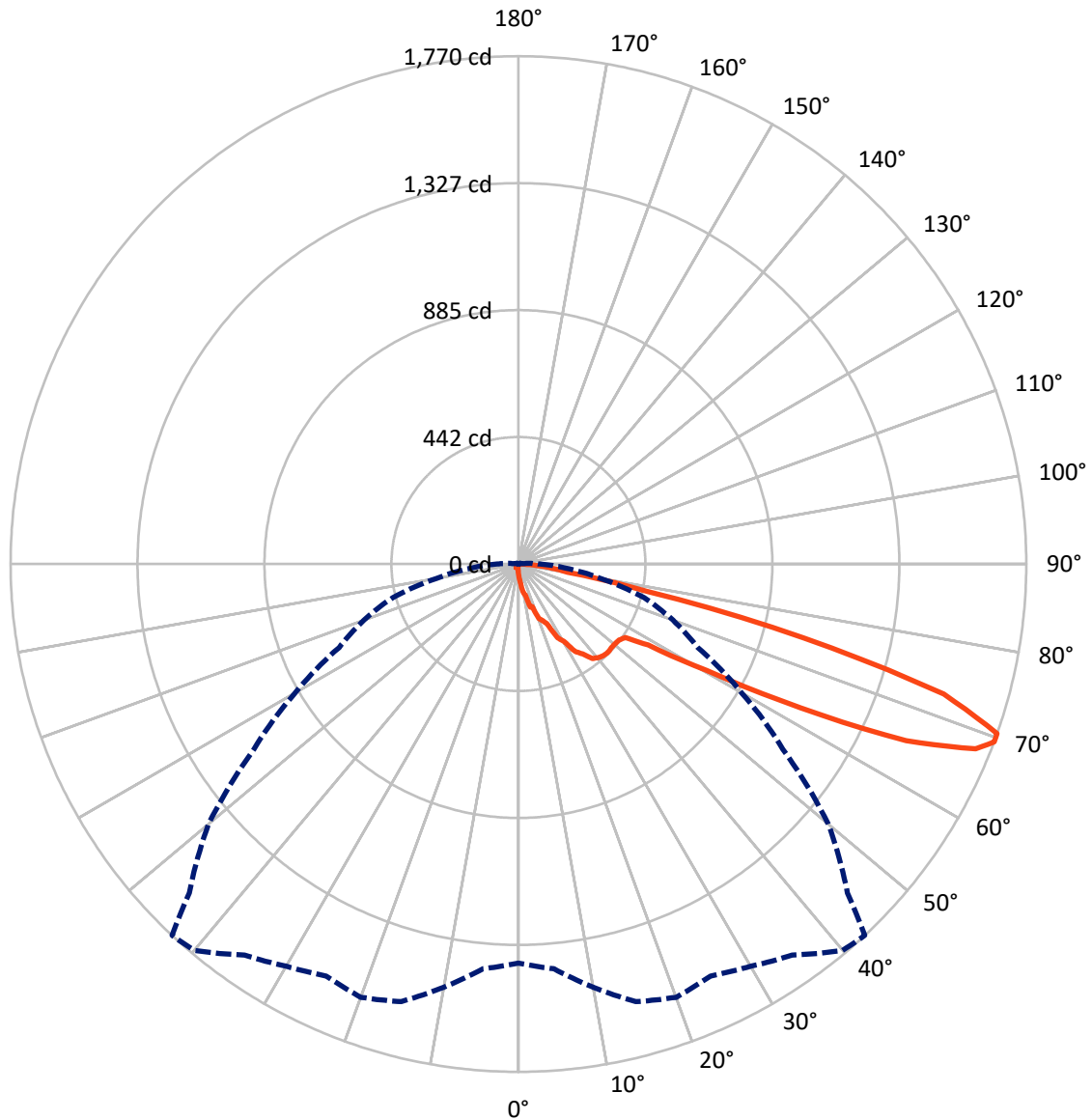
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 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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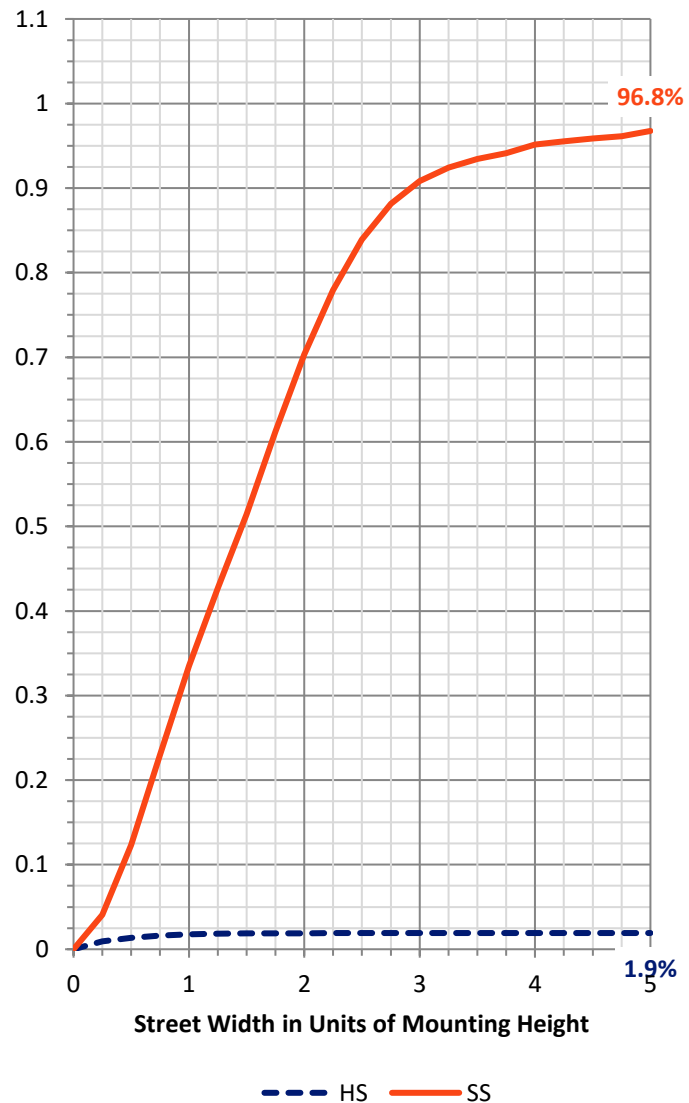
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28.6	0.0	28.6
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	1447.0	0.0	1447.0
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	1475.6	0.0	1475.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.3
10°-20°	20.5	1.4
20°-30°	56.6	3.8
30°-40°	118.5	8.0
40°-50°	171.1	11.6
50°-60°	265.5	18.0
60°-70°	560.5	38.0
70°-80°	249.3	16.9
80°-90°	29.6	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°	1475.6	100.0
0°-180°	1475.6	100.0



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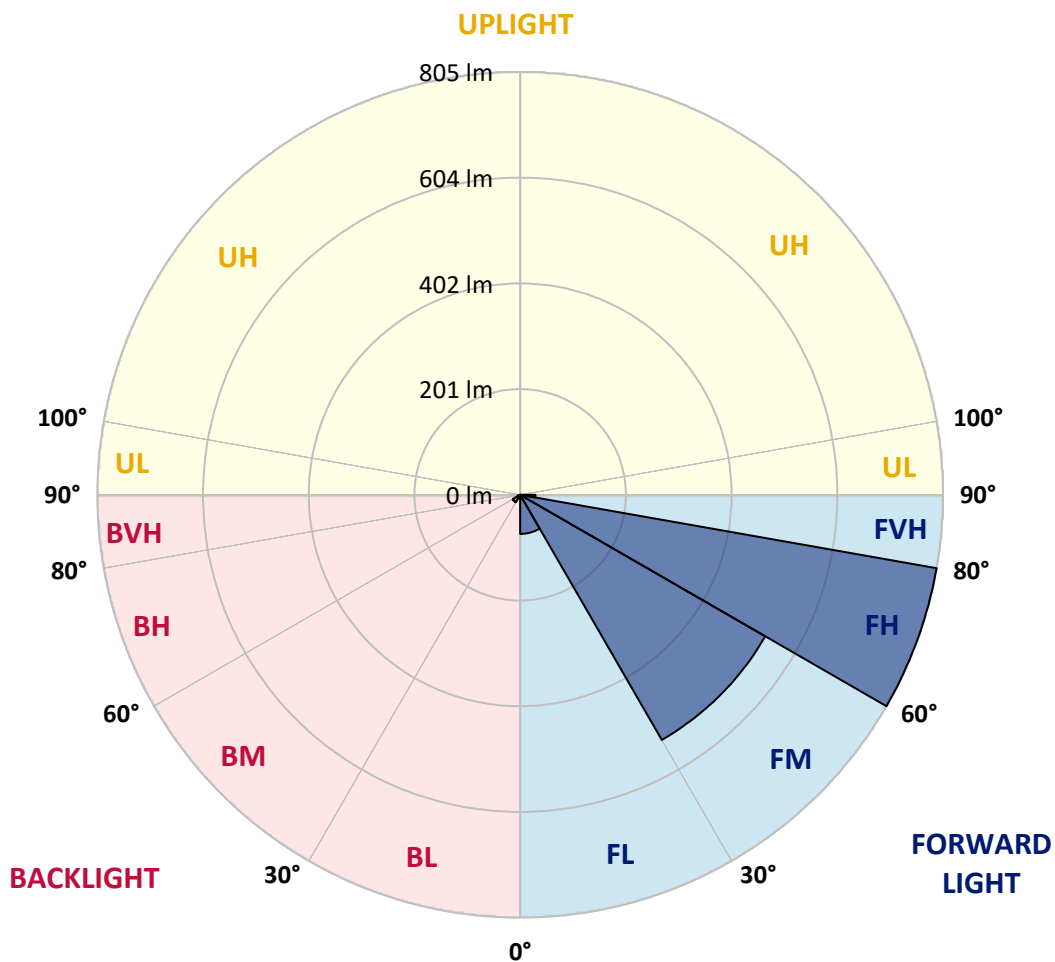
CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.4	5.0			
FM	(30°-60°)	538.8	36.5			
FH	(60°-80°)	804.8	54.5			G1/1800
FVH	(80°-90°)	29.1	2.0			G1/100
BL	(0°-30°)	6.8	0.5	B0/110		
BM	(30°-60°)	16.3	1.1	B0/220		
BH	(60°-80°)	5.0	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°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	54.5	54.5	54.1	53.7	52.4	52.0	50.8	49.9	50.4	49.9	49.5
5°	69.8	68.5	66.9	64.4	63.6	62.3	61.5	59.4	58.6	58.2	57.4
7.5°	115.6	112.7	111.0	110.6	109.4	108.1	104.8	102.0	99.1	88.3	73.1
10°	124.2	124.7	125.1	122.6	123.4	119.3	115.2	112.7	111.0	104.8	101.1
12.5°	163.5	161.0	160.6	162.2	158.5	156.4	151.9	144.5	119.7	111.4	114.3
15°	189.5	192.8	180.8	166.3	163.0	159.7	150.2	151.9	163.0	155.6	147.4
17.5°	203.9	204.7	202.7	201.0	195.2	191.5	198.1	168.0	164.7	156.0	150.2
20°	255.5	256.3	252.6	235.3	213.8	203.1	209.3	197.7	193.6	202.3	172.1
22.5°	279.4	280.3	277.0	272.0	262.5	264.6	250.1	212.6	215.5	213.8	193.2
25°	343.0	345.1	341.4	333.1	325.3	288.1	272.4	272.4	248.5	229.5	218.4
27.5°	409.9	402.0	377.3	366.5	360.8	341.8	340.5	298.0	284.8	291.0	253.4
30°	455.3	456.5	452.4	434.6	423.5	418.5	372.3	349.2	318.2	312.9	276.1
32.5°	544.4	544.8	536.2	527.9	476.3	454.5	422.7	392.9	347.1	362.8	315.8
35°	629.9	631.9	608.8	562.6	547.3	506.0	466.4	416.1	385.5	384.7	335.6
37.5°	680.2	680.2	662.9	629.5	613.4	556.4	492.8	455.3	400.4	417.7	362.4
40°	744.2	742.6	727.7	688.5	641.8	575.4	524.6	473.0	426.4	428.9	380.2
42.5°	769.8	767.7	757.4	717.8	655.5	598.9	532.5	478.0	432.6	435.9	388.4
45°	782.6	780.5	769.4	726.0	660.8	601.8	530.0	475.1	433.8	437.9	392.9
47.5°	779.7	776.8	767.7	731.4	676.9	599.7	513.9	468.9	431.7	435.9	394.6
50°	764.0	763.2	754.9	722.3	675.3	591.5	504.8	462.7	431.3	436.3	397.9
52.5°	754.9	755.8	747.9	725.2	666.2	588.6	509.8	464.8	433.8	439.6	402.9
55°	873.8	858.5	828.4	780.9	696.7	613.4	533.3	479.6	446.2	452.0	414.4
57.5°	1268.0	1254.0	1191.6	1076.5	913.4	748.8	624.1	548.6	516.8	532.5	501.1
60°	1499.6	1483.5	1467.8	1415.8	1279.6	1132.6	908.9	785.9	726.9	751.6	720.7
62.5°	1595.7	1594.5	1587.1	1577.6	1483.1	1415.8	1249.0	1130.1	1085.6	1103.7	1038.1
65°	1656.0	1663.8	1665.5	1670.4	1608.9	1557.8	1460.4	1429.8	1488.8	1484.7	1362.1
67.5°	1613.5	1618.0	1645.3	1687.8	1657.2	1609.8	1596.2	1621.3	1697.3	1718.7	1566.8
69°	1390.6	1415.4	1497.1	1578.4	1606.5	1583.8	1618.0	1663.4	1757.1	1769.5	1621.7
70°	1108.7	1153.3	1244.9	1414.9	1482.2	1485.1	1585.0	1656.4	1762.1	1769.1	1625.0
72.5°	498.2	506.5	556.8	647.2	903.9	991.5	1236.2	1458.7	1566.8	1550.3	1411.6
75°	336.4	340.1	337.2	341.4	390.5	469.7	599.3	928.3	1058.3	1024.5	895.3
77.5°	278.6	278.2	272.8	269.1	270.8	282.3	281.5	322.0	446.2	458.6	402.9
80°	249.7	247.2	242.7	235.3	227.4	216.3	204.7	182.4	167.2	172.9	152.7
82.5°	135.4	130.8	141.2	151.1	173.8	183.3	168.4	140.8	126.3	118.5	105.7
85°	31.8	30.5	35.9	49.9	85.4	87.1	84.6	69.8	60.7	56.5	51.2
87.5°	8.3	8.3	8.7	8.7	42.1	48.3	39.2	17.7	13.6	12.0	10.3
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	48.7	48.3	47.5	47.5	46.6	44.6	38.8	33.4	30.1	28.9	27.7
5°	55.3	53.7	51.6	49.5	47.5	46.2	45.4	36.7	28.5	26.4	24.4
7.5°	63.2	59.4	56.1	52.8	49.9	45.4	42.9	40.9	27.7	24.4	22.3
10°	95.3	91.2	64.0	63.6	56.5	51.6	49.5	47.5	33.0	28.1	24.4
12.5°	113.5	107.7	97.0	79.7	59.0	55.7	48.7	43.8	31.4	24.8	22.7
15°	120.5	113.5	102.4	97.4	75.9	66.0	55.7	50.4	34.7	29.7	24.4
17.5°	149.0	145.3	115.6	104.8	91.2	65.6	57.4	44.6	34.7	26.4	23.1
20°	161.4	151.9	130.4	124.2	110.6	90.0	68.5	59.0	42.5	34.7	26.4
22.5°	181.2	178.7	164.3	131.3	116.0	97.8	71.0	61.9	46.2	33.4	25.2
25°	217.1	190.7	171.7	166.8	144.1	120.1	90.0	68.1	49.9	35.1	27.7
27.5°	234.9	220.8	199.4	180.4	148.2	124.2	100.7	74.3	53.7	38.0	28.5
30°	283.6	235.7	219.6	200.2	165.5	131.7	102.4	77.6	53.2	37.1	28.9
32.5°	303.0	270.8	241.9	210.5	186.2	147.8	113.5	78.8	55.3	38.4	31.8
35°	329.8	289.8	268.3	237.3	200.6	160.6	116.4	81.3	52.4	37.1	31.4
37.5°	352.5	309.6	274.5	246.0	206.4	164.3	120.1	83.8	54.1	36.3	30.1
40°	364.5	319.1	279.0	252.2	206.0	166.3	127.1	80.9	52.4	35.5	28.1
42.5°	374.4	329.4	286.5	258.8	214.2	175.4	129.2	85.0	52.0	35.5	26.0
45°	381.0	338.9	303.0	266.6	225.0	185.3	132.1	85.9	52.8	35.5	24.4
47.5°	384.7	350.4	319.5	278.2	243.9	204.7	149.0	93.7	54.1	34.3	22.7
50°	389.6	362.8	333.1	293.1	264.2	215.9	161.8	97.8	55.7	32.2	21.5
52.5°	393.4	369.4	342.2	311.6	293.1	250.5	193.6	117.2	60.3	31.0	20.2
55°	411.1	398.7	397.1	405.7	419.0	410.7	332.7	201.4	92.9	36.3	23.1
57.5°	528.7	551.0	591.5	626.2	616.3	596.4	478.4	278.6	125.9	39.6	26.8
60°	769.8	792.1	808.2	791.7	736.4	688.9	539.5	315.8	140.3	33.0	21.1
62.5°	1030.3	989.4	939.9	865.6	803.2	712.4	568.0	336.8	144.1	28.1	15.7
65°	1256.4	1127.7	1015.4	882.1	805.3	709.1	560.9	328.1	137.9	23.1	12.8
67.5°	1393.5	1173.9	998.9	816.9	705.0	594.0	433.4	252.2	105.7	18.6	10.7
69°	1409.2	1125.2	899.0	689.7	573.3	453.2	290.2	166.8	73.9	15.7	9.5
70°	1380.3	1057.9	785.9	577.5	457.3	336.4	211.3	122.6	53.2	14.0	9.1
72.5°	1114.9	733.1	450.7	284.0	200.6	139.5	85.4	49.9	22.7	10.3	7.8
75°	611.3	314.9	178.3	118.1	91.6	70.2	48.3	26.8	13.2	8.7	6.6
77.5°	225.0	142.0	102.0	80.9	53.2	30.5	20.6	15.3	10.7	7.0	5.0
80°	135.0	98.7	71.8	38.4	25.6	19.4	14.9	12.0	8.7	5.4	3.3
82.5°	86.3	58.6	31.0	22.7	18.2	14.4	11.6	9.9	6.2	3.7	1.7
85°	39.6	23.5	18.6	16.1	14.0	12.8	12.0	9.9	5.0	2.1	1.2
87.5°	9.1	8.7	10.3	9.5	9.1	8.7	7.8	6.6	2.5	1.7	1.2
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°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	26.8	26.0	25.2	24.8	23.9	23.9	23.1	23.1	22.7	22.3	22.7
5°	22.7	21.9	21.1	20.2	19.4	18.6	19.0	19.4	19.4	19.8	17.3
7.5°	21.1	19.8	18.2	17.3	16.9	8.3	6.6	6.2	5.8	6.2	6.2
10°	21.5	19.4	18.2	7.4	5.4	5.4	5.4	5.4	5.8	7.0	8.7
12.5°	20.2	17.7	9.5	8.7	7.8	7.4	8.7	8.3	8.3	8.3	8.3
15°	22.7	12.8	9.9	8.7	9.5	10.3	10.3	9.9	8.3	8.3	9.9
17.5°	14.4	12.0	11.1	13.2	12.8	10.7	9.9	11.1	11.6	10.7	9.5
20°	19.0	16.9	15.3	13.2	12.4	12.4	13.6	11.6	10.7	11.1	11.6
22.5°	19.4	18.2	19.0	17.7	16.5	13.2	12.8	12.4	12.8	12.0	11.6
25°	24.4	24.8	22.3	18.2	17.3	16.1	14.9	12.4	12.8	11.6	12.4
27.5°	26.0	24.4	22.3	21.5	19.8	16.1	16.1	13.6	12.8	12.8	11.1
30°	27.2	24.8	23.1	21.1	19.0	17.7	15.7	14.0	12.8	12.4	12.0
32.5°	28.9	25.6	22.3	20.6	19.0	16.5	16.1	14.0	12.8	11.6	11.6
35°	26.8	23.9	21.9	20.2	17.3	15.7	14.9	13.6	12.0	11.6	10.7
37.5°	24.4	21.9	20.2	18.2	16.5	14.4	14.0	12.4	11.6	10.7	10.3
40°	22.3	19.8	18.2	16.5	14.9	13.2	12.4	11.1	9.9	9.5	9.5
42.5°	21.1	18.2	16.1	14.9	13.2	12.0	11.1	9.9	9.1	8.7	8.7
45°	19.4	16.5	14.4	12.8	11.6	10.7	9.9	8.7	7.8	7.8	7.8
47.5°	18.6	15.3	13.2	11.6	10.3	9.5	8.7	7.4	6.6	7.0	7.0
50°	17.3	14.0	11.6	10.7	9.5	8.7	7.8	6.6	6.2	6.2	6.2
52.5°	16.1	12.4	10.3	9.5	8.7	7.8	6.6	5.4	5.0	5.4	5.0
55°	16.1	11.1	9.1	8.3	7.4	6.6	5.4	4.5	4.1	3.7	3.3
57.5°	19.0	11.1	7.8	7.4	6.6	5.4	4.1	3.3	2.9	2.1	1.7
60°	16.5	11.1	7.0	6.6	5.8	4.5	3.3	2.5	1.7	1.2	0.8
62.5°	11.6	8.7	6.2	5.8	4.5	3.3	2.1	1.2	0.8	0.4	0.4
65°	9.9	7.0	5.8	5.0	3.7	2.5	1.2	0.8	0.4	0.4	0.4
67.5°	8.7	6.6	5.0	4.1	3.3	1.7	0.8	0.4	0.4	0.4	0.4
69°	7.8	6.2	5.0	3.7	2.9	1.2	0.8	0.4	0.4	0.4	0.4
70°	7.4	5.8	4.5	3.7	2.5	1.2	0.4	0.4	0.4	0.4	0.4
72.5°	6.2	4.5	3.7	3.3	2.1	0.8	0.4	0.4	0.4	0.4	0.4
75°	4.5	3.7	2.5	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
77.5°	3.3	2.5	1.7	1.7	1.2	0.8	0.4	0.4	0.4	0.4	0.0
80°	2.1	1.7	1.2	1.2	0.8	0.8	0.0	0.4	0.4	0.4	0.4
82.5°	1.2	1.2	1.2	0.8	0.8	0.8	0.4	0.8	0.4	0.4	0.4
85°	1.2	1.2	1.2	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.4	1.2	1.2	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°	32.6	32.6	32.6	32.6	32.6
2.5°	22.7	22.7	23.1	23.5	23.5
5°	13.2	9.1	9.5	9.5	9.5
7.5°	6.2	6.2	6.6	6.6	6.6
10°	9.5	9.5	9.5	9.5	9.9
12.5°	8.7	9.1	9.1	9.1	9.5
15°	10.3	10.7	11.1	11.1	11.6
17.5°	9.5	9.5	10.3	10.3	10.3
20°	11.1	11.1	11.1	11.1	11.1
22.5°	9.9	10.3	11.6	12.0	12.4
25°	11.6	11.1	11.1	11.1	11.1
27.5°	11.6	11.6	12.0	12.0	12.0
30°	11.6	10.7	10.7	11.1	11.6
32.5°	11.6	11.6	11.1	11.1	11.1
35°	10.7	11.6	11.6	11.6	11.6
37.5°	10.3	10.3	11.6	12.0	12.0
40°	9.9	10.3	10.7	12.4	12.4
42.5°	9.5	10.3	11.1	12.0	12.0
45°	9.1	9.9	10.3	11.1	11.1
47.5°	8.3	9.1	9.5	9.9	9.9
50°	7.4	7.4	7.8	7.8	7.4
52.5°	5.4	5.4	5.0	5.0	5.0
55°	3.3	2.9	2.9	2.9	2.5
57.5°	1.7	1.7	1.2	1.2	1.2
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)