

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: P179386

Luminaire Tested: **UTLD-F01-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179386  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)  
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-HSS-7050  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1471.5 lumens  
Efficiency: N/A  
Efficacy: 56.8 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

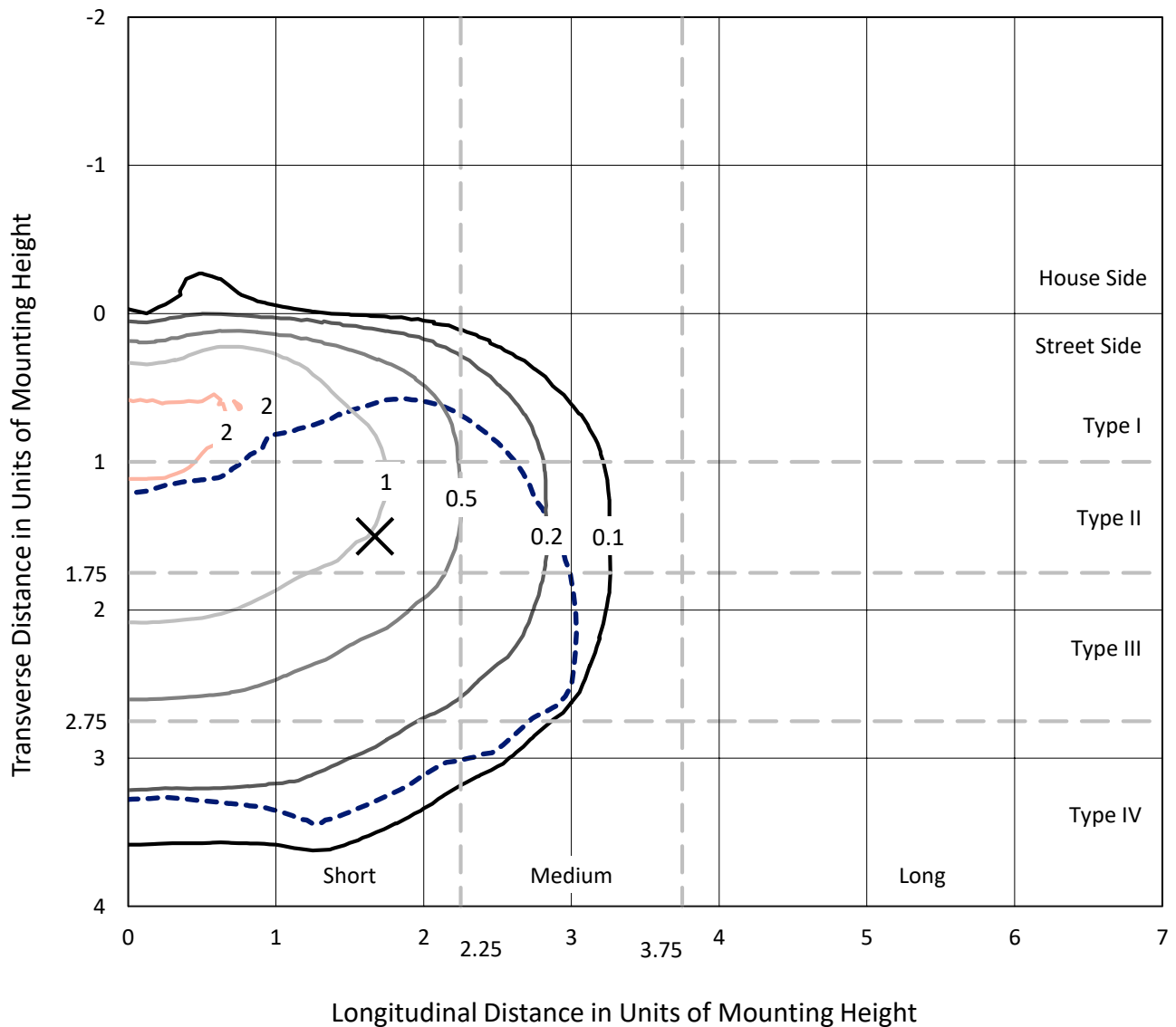
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

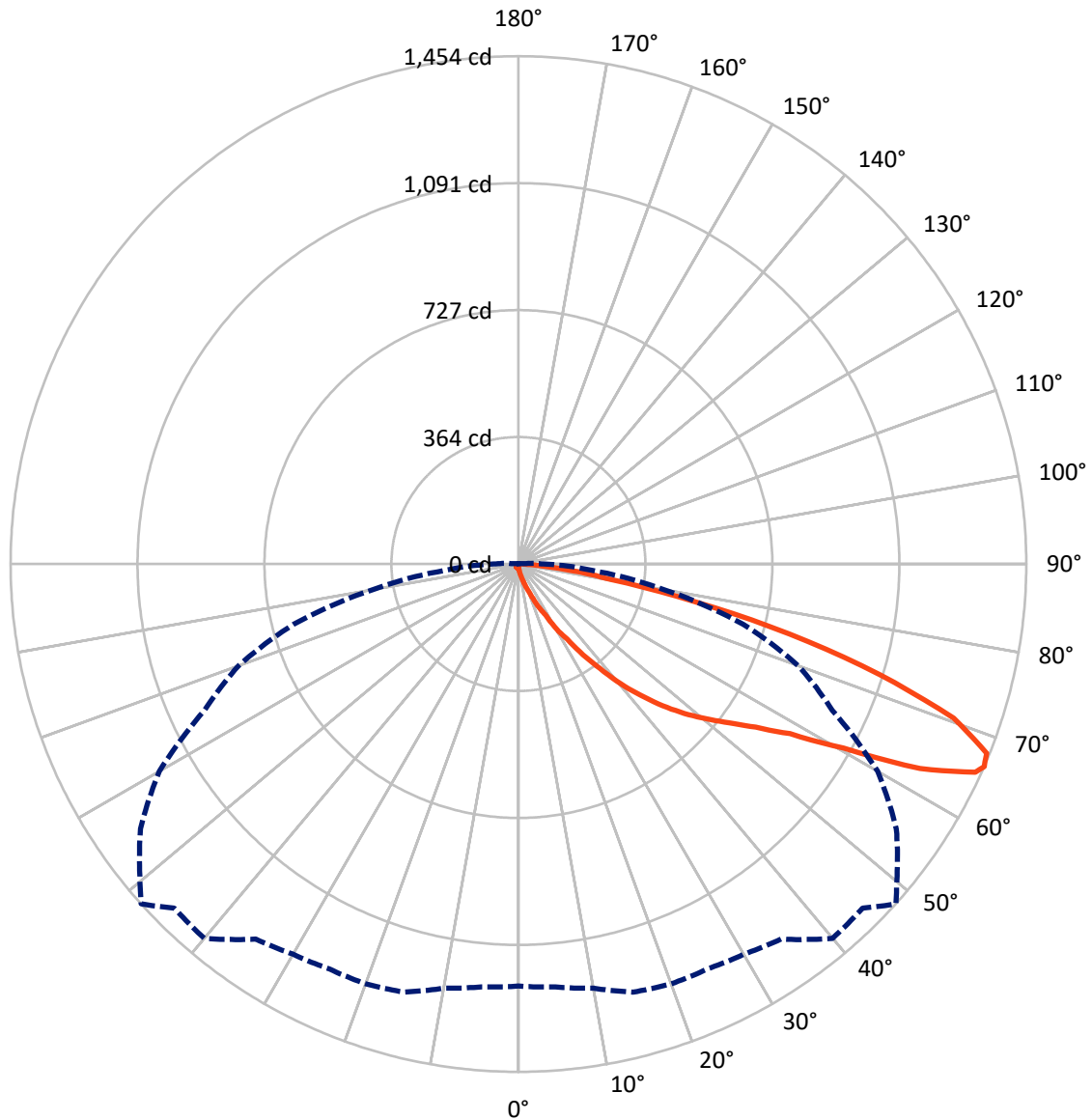
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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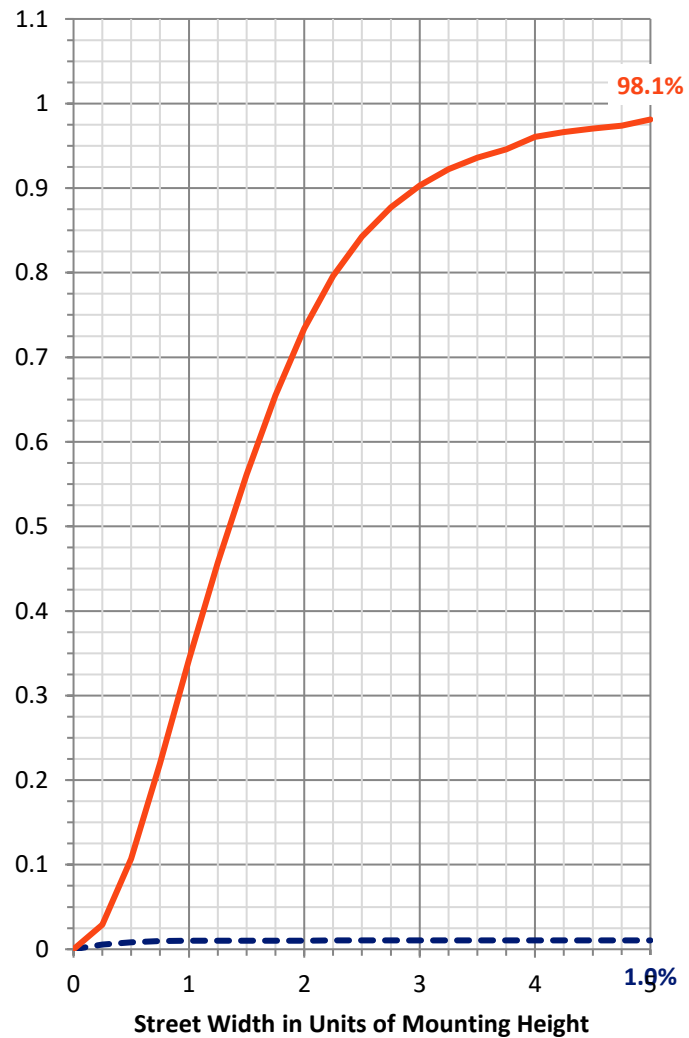
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15.7	0.0	15.7
	% Fixture	1.1	0.0	1.1
<b>Street Side</b>	Lumens	1455.8	0.0	1455.8
	% Fixture	98.9	0.0	98.9
<b>Total</b>	Lumens	1471.5	0.0	1471.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	9.1	0.6
20°-30°	35.0	2.4
30°-40°	97.9	6.7
40°-50°	190.1	12.9
50°-60°	311.5	21.2
60°-70°	507.7	34.5
70°-80°	286.1	19.4
80°-90°	32.7	2.2
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°	1471.5	100.0
0°-180°	1471.5	100.0



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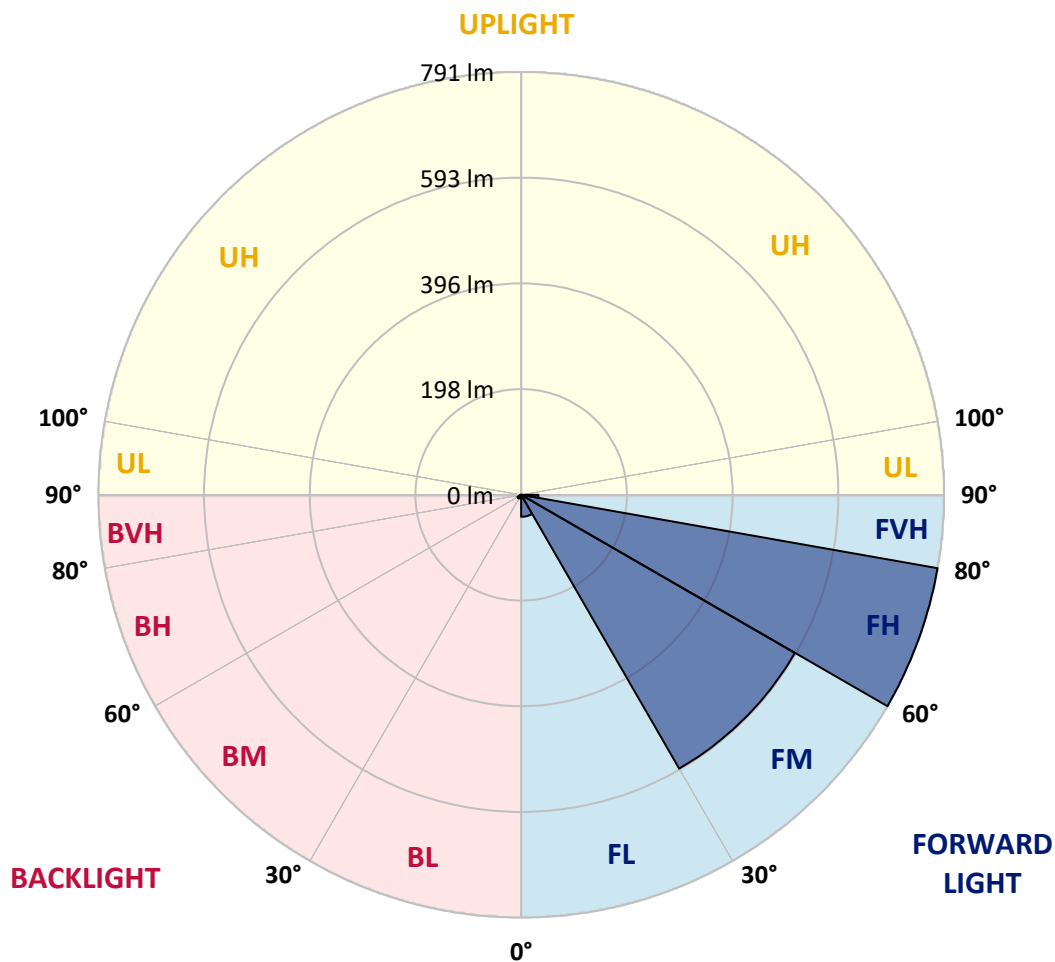
CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.2	2.8			
FM	(30°-60°)	591.4	40.2			
FH	(60°-80°)	791.0	53.8			G1/1800
FVH	(80°-90°)	32.2	2.2			G1/100
BL	(0°-30°)	4.3	0.3	B0/110		
BM	(30°-60°)	8.1	0.6	B0/220		
BH	(60°-80°)	2.8	0.2	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°	45°	48°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	14.8	14.8	14.8	14.8	14.4	14.0	14.0	13.6	13.6	13.6	13.6
5°	21.6	21.6	20.3	19.9	19.1	18.6	17.8	17.4	16.9	16.1	16.1
7.5°	34.3	33.9	33.9	33.5	33.0	32.2	30.9	30.1	28.8	22.0	20.3
10°	43.6	44.0	43.2	42.8	40.2	39.0	37.3	35.6	35.2	32.2	30.5
12.5°	60.1	60.6	59.7	59.3	57.6	56.3	53.4	51.2	42.8	39.4	39.0
15°	86.0	86.0	81.7	73.3	70.7	67.8	63.1	62.3	62.7	57.2	50.0
17.5°	100.4	100.8	99.5	97.4	94.9	91.9	88.9	78.8	73.3	68.6	66.5
20°	136.8	136.8	134.3	130.0	114.8	108.8	108.4	103.3	99.5	87.7	83.0
22.5°	158.0	160.1	157.1	154.2	149.1	150.8	143.6	122.0	122.4	111.4	107.2
25°	207.5	208.0	203.3	199.9	198.2	172.8	166.0	169.4	156.3	142.3	138.9
27.5°	258.4	261.3	233.4	227.0	227.0	221.5	224.1	199.9	196.5	179.2	165.6
30°	296.5	297.7	293.1	282.1	277.8	276.6	254.5	256.2	235.5	208.8	217.7
32.5°	365.5	367.6	358.7	354.5	324.4	313.0	299.4	299.9	274.5	270.2	256.2
35°	449.4	451.5	440.1	404.1	399.0	382.9	375.3	345.6	340.9	318.9	318.9
37.5°	504.9	497.7	487.1	473.5	476.5	455.3	430.7	426.1	400.7	384.1	379.5
40°	546.4	548.5	547.6	540.9	526.0	506.1	498.1	486.6	465.9	449.4	451.5
42.5°	582.4	586.6	590.0	580.2	568.4	559.9	548.5	541.3	524.3	503.6	513.8
45°	618.4	621.8	629.0	623.0	614.6	613.3	585.8	592.5	579.0	562.5	579.4
47.5°	660.3	663.7	669.2	669.6	668.8	651.0	628.1	638.3	635.3	615.4	639.1
50°	707.3	707.7	717.5	724.2	711.1	697.1	675.1	680.2	684.9	669.6	697.1
52.5°	758.1	763.6	770.8	775.5	757.3	750.5	731.9	731.0	740.8	725.1	754.7
55°	835.2	837.8	841.1	842.8	819.1	821.7	794.6	792.0	806.4	789.5	824.6
57.5°	932.2	939.0	946.2	942.8	918.2	916.1	879.3	867.0	892.0	881.8	916.5
60°	1079.6	1086.0	1091.5	1095.3	1081.7	1073.7	1016.9	1008.0	1050.0	1029.2	1070.7
62.5°	1233.8	1240.5	1246.9	1273.6	1259.6	1249.4	1214.7	1214.7	1266.0	1250.7	1290.5
65°	1231.6	1241.4	1255.8	1290.9	1297.3	1292.6	1291.4	1307.5	1387.1	1382.0	1437.9
66°	1208.8	1215.6	1233.8	1269.3	1279.5	1279.9	1290.5	1311.3	1399.4	1393.9	1454.4
67.5°	1155.4	1163.9	1183.4	1225.7	1236.3	1244.4	1271.9	1288.4	1387.5	1384.1	1446.4
70°	1034.7	1038.5	1056.7	1100.8	1126.2	1122.0	1163.5	1169.8	1266.0	1278.2	1322.3
72.5°	797.1	792.0	847.5	908.5	950.0	933.9	964.0	965.7	1047.4	1046.1	1081.3
75°	424.0	426.9	461.7	543.0	695.0	699.7	705.6	705.2	771.7	771.3	802.6
77.5°	268.1	275.3	288.4	313.0	389.2	444.7	466.3	457.4	486.6	496.8	512.9
80°	108.4	113.1	128.8	169.0	260.1	281.7	288.4	275.3	280.8	267.3	267.3
82.5°	36.0	36.4	41.5	52.5	133.4	186.4	191.9	162.2	159.7	155.0	155.0
85°	19.5	19.5	20.3	27.5	51.7	100.4	110.1	74.1	72.8	61.8	57.2
87.5°	1.7	2.1	1.7	4.7	8.0	15.2	17.8	18.6	21.2	24.1	19.5
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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	13.6	13.6	13.6	14.0	14.0	13.6	13.1	11.9	11.4	10.6	9.7
5°	15.7	15.2	14.4	14.0	13.6	13.1	13.1	12.3	10.6	9.3	8.0
7.5°	19.9	17.8	16.5	15.7	14.4	13.1	12.7	12.7	10.2	8.5	7.6
10°	29.6	28.8	22.0	19.1	17.4	16.1	15.2	15.7	12.7	10.2	9.7
12.5°	38.1	36.0	32.2	25.4	19.9	18.2	16.5	14.8	12.7	10.2	8.9
15°	47.9	42.8	39.0	34.7	28.4	23.3	20.3	19.1	15.7	13.1	11.4
17.5°	64.4	62.7	48.3	42.4	36.4	26.3	22.9	18.6	16.5	12.7	11.4
20°	80.5	74.1	63.1	55.5	47.4	36.8	29.2	24.6	19.9	16.9	15.2
22.5°	102.1	96.1	84.3	66.1	56.3	47.0	33.5	29.2	22.9	19.1	16.9
25°	138.1	118.6	104.6	91.9	76.7	61.8	42.4	31.8	25.4	21.2	18.6
27.5°	166.0	154.6	137.2	117.3	89.8	71.6	53.4	36.4	28.4	23.3	19.9
30°	225.3	187.2	181.3	153.7	117.7	85.1	61.0	41.9	29.6	23.7	20.3
32.5°	261.7	249.0	219.4	189.3	154.6	114.4	76.7	46.6	31.8	24.1	21.6
35°	326.5	295.6	280.0	248.6	201.2	146.5	91.9	55.5	31.8	24.6	21.2
37.5°	393.5	360.9	330.8	298.6	243.1	174.5	111.0	62.7	33.9	23.3	19.9
40°	448.1	416.8	375.7	344.3	278.3	203.7	133.8	67.3	32.6	22.4	18.2
42.5°	509.9	472.7	427.8	393.9	318.9	243.5	152.5	79.2	33.5	21.6	16.5
45°	568.0	527.7	482.4	435.0	358.3	281.7	174.1	86.0	36.4	21.2	14.8
47.5°	622.2	579.8	537.0	470.6	407.0	321.9	207.1	102.5	39.0	19.9	13.6
50°	670.9	630.6	583.2	507.8	446.8	352.0	238.9	114.4	41.9	18.2	12.3
52.5°	726.4	684.9	623.0	547.2	483.7	390.5	267.3	130.4	45.7	16.5	11.0
55°	795.0	742.9	683.2	612.0	526.9	440.1	299.4	145.7	50.8	14.8	9.7
57.5°	880.1	836.1	775.1	691.6	591.7	488.8	338.4	165.2	55.5	13.6	8.9
60°	1035.1	977.9	920.3	822.1	688.2	566.7	385.4	190.6	63.1	12.3	8.0
62.5°	1254.9	1192.7	1099.5	957.2	814.0	640.4	431.6	216.0	71.6	11.0	7.6
65°	1394.7	1309.2	1184.6	999.5	860.2	674.3	435.4	215.6	72.4	10.2	6.8
66°	1414.6	1321.4	1187.6	991.9	853.4	665.8	425.2	212.6	71.2	9.3	6.4
67.5°	1412.5	1309.6	1165.6	960.2	819.5	635.7	392.2	197.8	67.3	8.9	5.9
70°	1302.0	1199.5	1047.4	850.5	716.6	549.3	337.1	169.8	57.6	7.6	5.1
72.5°	1081.3	984.3	846.7	674.3	577.7	434.5	258.4	133.4	45.3	6.4	4.2
75°	798.8	706.0	601.4	468.4	380.3	274.9	160.9	86.4	29.6	5.1	3.4
77.5°	498.5	420.1	318.9	238.5	177.5	114.4	56.8	29.2	12.7	4.2	2.5
80°	263.0	214.3	154.6	111.8	82.2	51.2	26.3	13.6	6.8	3.4	1.7
82.5°	151.6	127.5	94.4	70.3	55.1	36.0	19.5	11.0	5.1	2.1	1.3
85°	54.6	47.0	52.5	39.8	30.1	19.9	14.0	8.9	3.4	1.7	1.3
87.5°	20.3	16.5	14.8	12.7	12.3	12.3	11.4	6.8	2.1	1.3	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°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	9.3	8.5	8.5	8.0	8.0	7.6	7.6	7.6	7.6	7.6	8.0
5°	7.6	7.2	7.2	7.2	6.8	6.8	7.6	8.0	8.5	8.9	8.5
7.5°	7.6	7.2	6.8	7.2	8.0	6.4	5.1	4.7	4.2	4.7	4.7
10°	8.5	8.0	8.9	5.9	4.2	3.8	4.2	4.2	4.2	5.5	6.8
12.5°	8.5	8.9	6.8	5.9	5.9	5.5	6.8	5.9	5.9	5.9	5.9
15°	11.4	8.5	7.2	6.4	7.2	7.6	7.6	7.2	6.4	5.9	7.2
17.5°	9.7	8.9	8.5	10.2	9.3	8.0	7.2	8.0	8.5	7.6	6.8
20°	13.6	12.3	11.9	10.2	9.3	9.3	9.7	8.0	7.6	7.6	8.5
22.5°	14.4	13.1	13.6	12.7	12.3	9.7	9.3	8.9	8.9	8.0	8.0
25°	17.4	17.8	15.7	13.6	12.3	11.4	10.6	8.9	8.9	8.0	8.5
27.5°	18.6	17.4	15.7	14.8	13.6	11.0	10.6	9.3	8.5	8.5	7.6
30°	19.5	17.8	16.5	14.8	13.1	11.9	10.6	8.9	8.0	8.0	7.6
32.5°	20.8	18.6	15.7	14.0	12.7	10.6	10.2	8.5	7.6	6.8	6.8
35°	19.1	16.9	14.8	13.1	11.0	9.7	8.9	8.0	6.8	6.4	5.9
37.5°	16.9	14.8	13.1	11.4	10.2	8.9	8.0	6.8	5.9	5.5	5.1
40°	15.2	12.7	11.4	9.7	8.9	7.6	6.8	5.5	4.7	4.2	3.8
42.5°	13.6	11.0	9.7	8.5	7.2	6.4	5.5	4.2	3.4	3.0	2.5
45°	11.9	9.7	8.0	7.2	5.9	5.1	4.2	3.0	2.1	1.7	1.3
47.5°	10.6	8.5	7.2	5.9	5.1	3.8	3.0	1.7	1.3	0.8	0.4
50°	9.3	7.2	5.9	5.1	3.8	3.0	2.1	1.3	0.8	0.4	0.4
52.5°	8.0	6.4	5.5	4.2	3.4	2.1	1.3	0.8	0.4	0.4	0.0
55°	7.2	5.9	4.7	3.4	2.5	1.7	0.8	0.4	0.4	0.0	0.0
57.5°	6.8	5.5	3.8	2.5	2.1	1.3	0.8	0.4	0.4	0.0	0.0
60°	6.4	4.7	3.0	2.1	1.7	0.8	0.4	0.4	0.4	0.0	0.0
62.5°	5.9	3.8	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.0
65°	4.7	3.0	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
66°	4.2	2.5	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
67.5°	3.8	2.5	1.3	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	3.0	1.7	1.3	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
72.5°	2.5	1.7	1.3	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.1	1.3	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.7	1.3	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
80°	1.3	1.3	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.4	0.4
82.5°	1.3	0.8	0.8	0.8	0.8	1.3	0.4	0.8	0.8	0.8	0.8
85°	1.3	0.8	0.8	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
87.5°	1.3	1.3	1.3	1.3	1.7	1.7	0.8	1.7	1.7	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):**

	160°	165°	170°	175°	180°
0°	11.4	11.4	11.4	11.4	11.4
2.5°	8.0	8.5	8.5	8.5	8.5
5°	8.5	7.6	8.0	8.0	8.0
7.5°	5.1	5.1	5.1	5.1	5.1
10°	7.2	7.2	7.2	7.2	7.2
12.5°	6.4	6.8	6.8	6.8	6.8
15°	7.6	8.0	8.0	8.0	8.5
17.5°	6.8	6.8	7.6	7.2	7.6
20°	8.0	8.0	8.0	8.0	8.0
22.5°	7.2	7.2	8.0	8.5	8.5
25°	8.0	7.6	7.6	7.6	7.6
27.5°	7.6	8.0	8.0	8.0	8.0
30°	7.2	6.8	7.2	7.2	7.6
32.5°	6.8	6.8	6.8	6.8	6.8
35°	5.9	5.9	5.9	6.4	6.4
37.5°	4.7	4.7	5.1	5.1	5.1
40°	3.8	3.4	3.4	3.8	3.8
42.5°	2.5	2.1	2.1	2.1	2.1
45°	1.3	0.8	0.8	0.8	0.8
47.5°	0.4	0.4	0.4	0.4	0.4
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.0
85°	0.8	0.8	0.8	0.8	0.0
87.5°	1.3	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)