

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: P179353

Luminaire Tested: **UTLD-F01-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179353  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)  
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-T3-HSS-8030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 993.4 lumens  
Efficiency: N/A  
Efficacy: 38.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

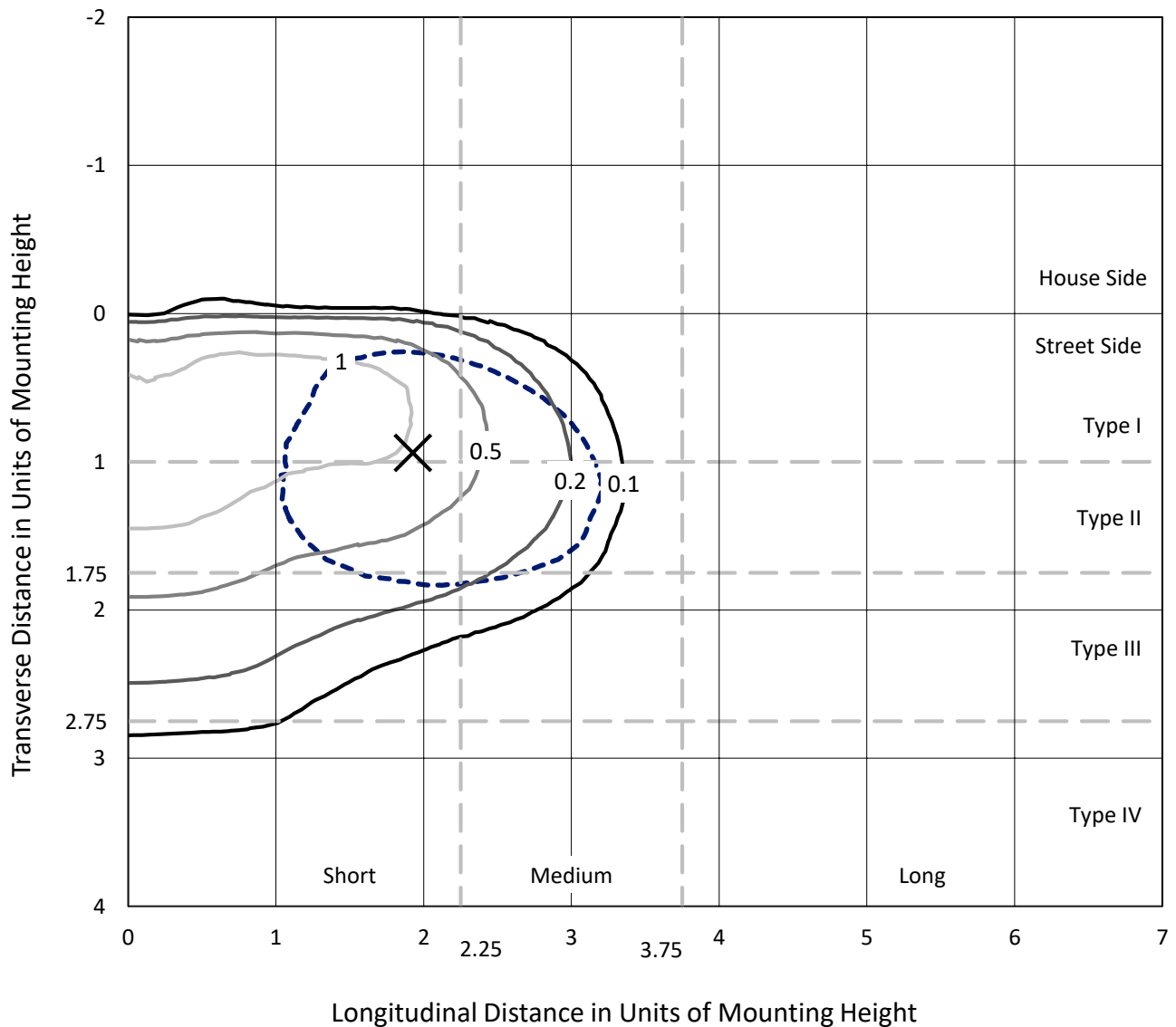
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

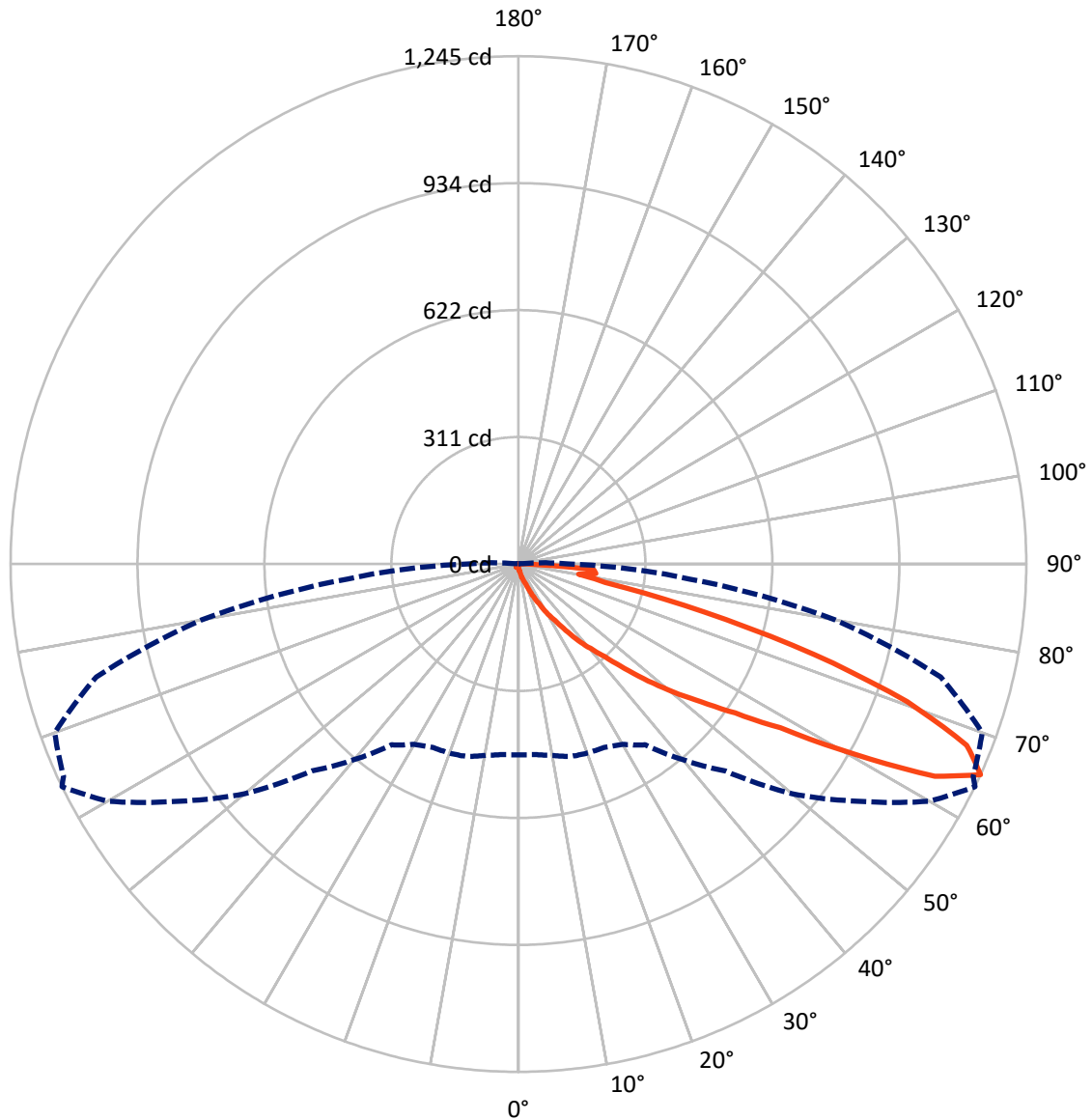
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



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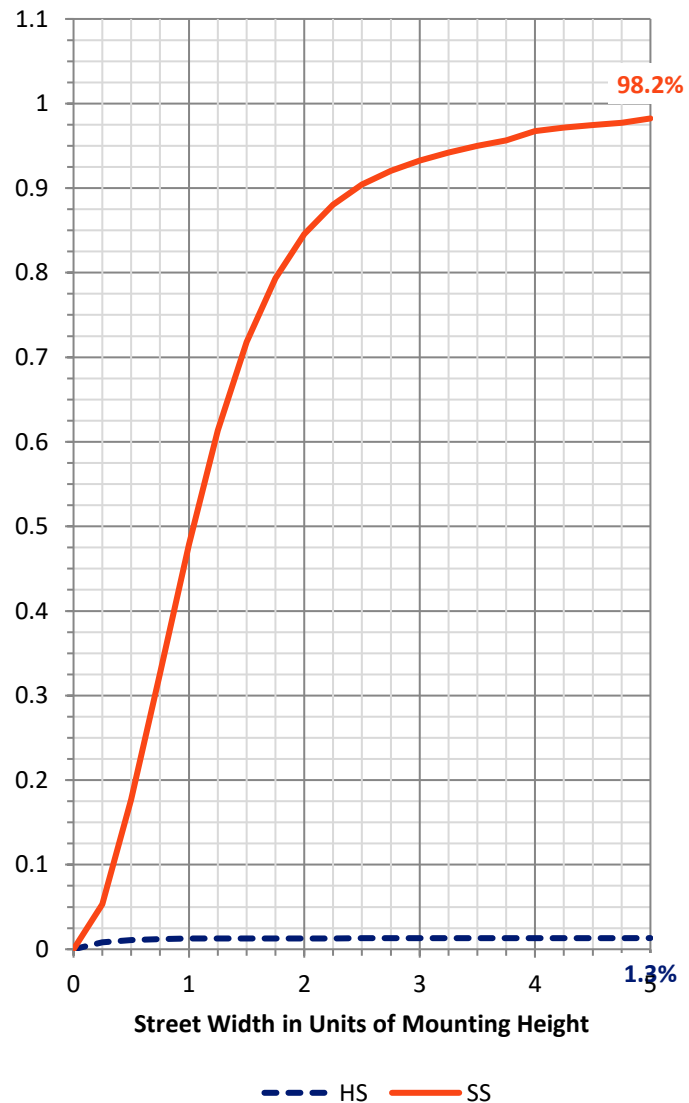
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13.5	0.0	13.5
	% Fixture	1.4	0.0	1.4
<b>Street Side</b>	Lumens	979.9	0.0	979.9
	% Fixture	98.6	0.0	98.6
<b>Total</b>	Lumens	993.4	0.0	993.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	8.6	0.9
20°-30°	26.9	2.7
30°-40°	65.4	6.6
40°-50°	138.6	14.0
50°-60°	249.6	25.1
60°-70°	334.3	33.6
70°-80°	144.5	14.5
80°-90°	24.2	2.4
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°	993.4	100.0
0°-180°	993.4	100.0



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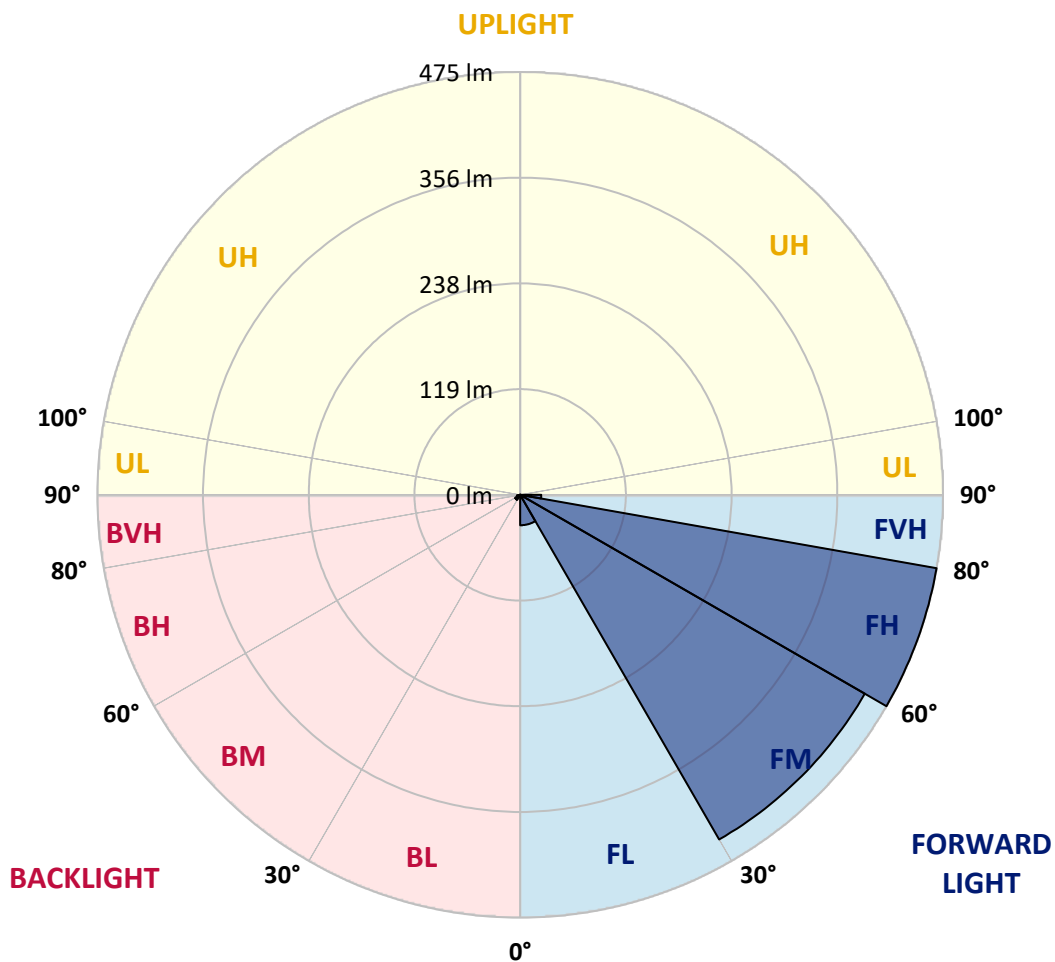
CATALOG NUMBER: UTLD-F01-LED-E-U-T3-HSS-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	34.2	3.4			
FM (30°-60°)	447.0	45.0			
FH (60°-80°)	475.0	47.8			G0/660
FVH (80°-90°)	23.7	2.4			G1/100
BL (0°-30°)	2.6	0.3	B0/110		
BM (30°-60°)	6.6	0.7	B0/220		
BH (60°-80°)	3.7	0.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.1			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	14.3	14.3	13.9	14.3	13.9	13.6	13.6	13.2	13.2	12.9	12.9
5°	20.9	20.9	20.6	19.9	19.2	18.8	18.5	17.4	17.1	16.7	16.0
7.5°	37.3	37.3	36.6	35.9	35.5	34.8	34.1	32.7	31.4	23.3	20.2
10°	47.7	47.0	46.3	44.9	44.6	42.8	41.1	40.1	38.7	35.2	32.7
12.5°	66.9	66.5	65.8	66.2	64.1	62.7	59.9	57.5	46.0	43.2	42.2
15°	88.1	82.6	77.3	72.5	71.1	69.7	65.5	65.8	68.6	62.7	49.1
17.5°	90.2	90.6	89.9	89.9	87.8	86.7	89.2	77.3	75.2	70.0	66.2
20°	113.6	113.9	113.2	105.9	95.8	92.3	97.5	94.1	94.1	85.7	80.5
22.5°	118.8	119.8	118.8	118.4	116.0	121.9	118.1	102.1	108.0	100.7	96.8
25°	144.2	144.9	144.6	141.4	146.0	128.2	125.4	133.1	125.8	117.1	120.9
27.5°	171.4	170.7	155.0	149.8	151.9	149.8	157.8	144.9	151.5	143.2	137.3
30°	184.3	185.3	183.9	178.0	178.0	183.6	169.3	174.5	169.7	157.1	178.0
32.5°	221.6	223.0	218.8	217.7	201.7	196.1	191.3	196.5	184.3	193.3	198.6
35°	265.5	266.2	259.9	233.1	232.7	226.1	225.0	212.9	219.1	212.2	231.7
37.5°	302.0	300.3	290.2	277.3	278.0	264.4	250.1	251.2	241.1	241.8	260.2
40°	350.5	349.8	342.4	332.0	316.7	299.6	290.9	286.7	278.7	273.1	290.5
42.5°	395.4	399.9	396.8	383.2	360.6	352.9	332.0	323.6	321.2	312.1	326.4
45°	451.1	450.8	450.4	436.9	422.2	406.2	375.2	370.7	366.5	365.4	381.1
47.5°	492.9	493.3	494.7	485.6	475.5	452.9	422.2	421.2	423.6	421.2	441.0
50°	521.2	524.3	529.5	527.4	513.8	498.5	479.4	475.9	479.0	477.6	509.3
52.5°	540.0	543.8	550.1	553.9	539.3	532.7	524.6	520.1	535.1	535.4	571.7
55°	547.3	551.5	557.7	565.4	554.3	555.6	552.5	551.8	575.9	581.4	629.2
57.5°	541.4	545.2	552.2	561.6	558.4	569.9	563.3	566.4	603.7	618.4	680.0
60°	525.7	529.2	536.8	552.5	548.3	561.9	558.8	573.8	622.2	654.6	738.9
62.5°	499.6	503.7	512.1	527.1	529.2	541.0	544.2	569.6	634.7	691.2	817.6
65°	467.5	468.6	476.2	488.4	493.3	495.7	510.0	541.0	625.3	716.9	876.5
67.5°	419.1	421.5	426.4	433.7	437.5	424.7	436.5	468.6	553.2	662.9	832.9
70°	297.2	296.8	307.6	339.0	348.4	319.5	318.8	338.6	407.9	512.8	666.4
72.5°	202.8	205.2	210.1	219.8	249.8	240.7	237.6	227.1	254.3	312.5	440.3
75°	154.3	155.4	175.6	192.0	212.2	221.6	227.5	214.9	204.8	195.8	252.2
77.5°	52.6	57.1	66.9	91.6	143.2	174.5	194.0	212.2	224.3	214.9	208.3
80°	11.5	11.8	13.2	17.8	50.2	90.2	113.2	144.6	180.1	200.3	217.7
82.5°	4.9	5.2	6.3	7.7	11.8	33.4	47.0	54.3	73.5	97.2	158.5
85°	1.7	1.7	2.1	2.8	4.5	8.4	12.5	13.6	20.9	30.7	51.9
87.5°	0.7	0.7	0.7	1.0	1.4	2.1	2.4	2.8	3.5	7.3	17.4
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):**

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	12.9	12.5	12.5	12.5	12.2	11.1	10.5	9.1	8.4	7.7	7.3
5°	15.3	14.3	13.6	13.6	12.5	12.2	11.8	10.1	8.0	7.0	6.3
7.5°	18.5	17.1	16.0	15.7	14.3	12.5	11.8	10.8	8.0	6.6	5.9
10°	31.0	21.9	20.2	19.5	17.4	15.3	13.9	13.2	9.8	7.7	7.0
12.5°	39.4	34.8	31.4	27.5	20.6	18.5	15.7	13.2	10.1	7.7	6.3
15°	45.6	40.8	35.9	35.5	29.3	23.7	19.2	16.7	11.8	9.8	8.0
17.5°	65.8	50.9	44.2	43.9	37.3	26.1	21.9	16.4	12.9	9.4	7.7
20°	74.9	63.8	53.3	55.0	48.4	38.3	27.9	21.3	15.3	12.5	10.1
22.5°	96.1	86.4	74.6	66.9	56.1	45.3	30.7	23.7	17.4	12.9	10.5
25°	111.5	98.9	94.4	93.4	77.3	61.0	40.8	27.9	19.5	14.3	12.5
27.5°	138.0	128.5	113.2	111.5	88.1	66.9	51.2	33.1	21.6	15.7	13.2
30°	155.4	148.4	143.2	139.3	110.4	80.5	58.2	37.6	23.3	16.4	13.6
32.5°	189.5	176.3	164.8	158.9	140.0	101.7	70.4	43.2	25.4	17.4	15.0
35°	217.4	216.0	199.3	197.9	170.7	129.9	85.7	50.5	26.5	17.8	14.6
37.5°	254.0	245.9	237.9	233.8	208.3	159.6	104.9	62.0	31.0	18.5	14.6
40°	283.2	275.2	272.1	268.2	234.8	188.5	129.6	67.6	31.7	18.8	14.3
42.5°	320.5	308.0	310.7	306.6	271.0	227.1	154.3	80.8	34.1	18.8	13.6
45°	367.9	361.3	364.4	357.4	322.2	276.6	180.1	94.1	37.6	18.5	12.5
47.5°	428.5	424.7	428.1	416.0	389.1	341.7	234.1	118.1	42.2	18.1	11.8
50°	492.9	498.5	493.6	482.1	470.6	411.4	297.2	147.7	48.8	17.4	11.1
52.5°	568.5	569.2	560.5	560.2	560.5	502.3	363.0	183.2	57.1	16.7	10.5
55°	640.3	649.0	644.5	649.7	657.7	617.7	443.8	224.0	68.6	15.7	9.8
57.5°	713.8	744.8	757.4	773.7	789.1	767.1	552.9	283.2	82.6	14.6	9.1
60°	808.9	893.2	946.9	966.7	979.6	934.7	694.3	358.8	102.8	13.6	8.0
62.5°	931.9	1066.7	1145.8	1168.8	1151.4	1057.3	776.5	415.3	119.1	12.9	7.0
65°	1013.1	1162.5	1244.7	1230.1	1209.5	1071.2	788.0	420.5	122.6	11.5	6.3
67.5°	965.0	1102.9	1185.1	1163.2	1148.2	1001.6	706.5	387.4	114.3	9.8	5.6
70°	799.5	939.2	1011.3	993.2	1004.0	850.0	577.9	328.2	101.4	8.4	4.9
72.5°	574.5	684.2	758.0	746.9	775.8	611.0	425.7	258.1	84.3	7.0	4.2
75°	350.8	451.5	469.3	452.2	431.6	311.8	205.5	140.4	54.3	5.2	3.1
77.5°	214.6	246.3	217.4	220.2	173.5	78.0	38.7	28.9	15.3	4.2	2.1
80°	204.5	185.0	149.4	145.3	100.0	30.3	17.1	12.9	6.6	3.1	1.7
82.5°	213.5	224.0	191.3	177.0	105.9	26.8	13.9	10.5	5.2	2.4	1.4
85°	88.5	199.6	185.3	169.0	97.9	20.9	11.1	7.7	3.5	1.7	1.4
87.5°	34.5	57.1	52.6	47.0	31.0	10.5	8.7	6.3	2.4	1.4	1.4
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
2.5°	7.0	6.6	6.3	6.3	5.9	5.9	5.6	5.6	5.6	5.6	5.6
5°	5.9	5.6	5.2	4.9	4.5	4.5	4.9	5.2	5.2	5.6	5.2
7.5°	5.2	4.9	4.2	4.5	4.5	3.8	2.8	2.4	2.4	2.8	2.8
10°	5.6	4.9	5.2	3.1	2.4	2.1	2.4	2.4	2.4	3.1	3.8
12.5°	5.6	5.9	4.2	3.8	3.5	3.1	3.8	3.5	3.1	3.5	3.5
15°	7.3	5.2	4.5	3.8	4.2	4.5	4.2	3.8	3.5	3.5	3.8
17.5°	6.3	5.6	5.2	5.9	5.6	4.5	4.2	4.5	4.5	4.2	3.8
20°	8.4	7.3	7.0	5.9	5.2	5.2	5.2	4.5	4.2	4.2	4.5
22.5°	9.4	8.0	8.0	7.3	6.6	5.2	5.2	4.9	4.9	4.5	4.2
25°	11.1	10.5	9.1	7.3	7.0	6.3	5.9	4.9	4.9	4.5	4.5
27.5°	11.8	10.5	9.1	8.4	7.3	5.9	5.9	4.9	4.5	4.5	4.2
30°	12.5	10.8	9.4	8.4	7.3	6.3	5.9	4.9	4.5	4.2	4.2
32.5°	13.2	11.1	9.1	8.0	7.0	5.9	5.6	4.9	4.2	3.8	3.8
35°	12.5	10.5	9.1	8.0	6.6	5.6	5.2	4.5	3.8	3.8	3.5
37.5°	11.8	9.8	8.4	7.3	6.3	5.2	4.5	3.8	3.5	3.1	3.1
40°	11.1	9.1	7.7	6.6	5.6	4.9	4.2	3.1	2.8	2.4	2.4
42.5°	10.1	8.4	7.0	5.9	4.9	3.8	3.5	2.8	2.1	1.7	1.7
45°	9.8	7.7	6.3	5.2	4.2	3.5	2.8	2.1	1.4	1.0	1.0
47.5°	9.1	7.0	5.6	4.5	3.5	2.8	2.1	1.4	1.0	0.7	0.7
50°	8.4	6.6	4.9	3.8	2.8	2.1	1.4	1.0	0.7	0.3	0.3
52.5°	7.7	5.9	4.2	3.1	2.4	1.7	1.0	0.7	0.3	0.3	0.0
55°	7.0	4.9	3.8	2.8	1.7	1.0	0.7	0.3	0.3	0.0	0.0
57.5°	5.9	4.2	3.1	2.1	1.4	0.7	0.3	0.3	0.3	0.0	0.0
60°	5.2	3.5	2.4	1.7	1.0	0.7	0.3	0.3	0.0	0.0	0.0
62.5°	4.5	3.1	2.1	1.4	0.7	0.3	0.3	0.3	0.0	0.0	0.0
65°	3.8	2.4	1.7	1.0	0.7	0.3	0.3	0.3	0.3	0.0	0.0
67.5°	3.5	2.1	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.0
70°	3.1	1.7	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	2.4	1.4	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.3
75°	1.7	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3
77.5°	1.4	1.0	0.7	0.7	0.7	0.7	0.3	0.7	0.7	0.7	0.7
80°	1.0	0.7	0.7	1.0	1.0	1.0	0.3	0.7	0.7	0.7	0.7
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.3	1.0	1.0	1.0	0.7
85°	1.0	1.0	1.0	1.0	1.4	1.4	0.3	1.4	1.4	1.0	1.0
87.5°	1.4	1.0	1.4	1.4	1.4	1.7	0.3	1.4	1.4	1.4	1.4
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):**

	160°	165°	170°	175°	180°
0°	8.7	8.7	8.7	8.7	8.7
2.5°	5.6	5.9	5.9	5.9	5.9
5°	4.9	4.5	4.5	4.5	4.5
7.5°	2.8	2.8	3.1	3.1	3.1
10°	4.2	4.2	4.2	4.2	4.2
12.5°	3.5	3.8	3.8	3.8	3.8
15°	4.2	4.2	4.5	4.5	4.5
17.5°	3.8	3.8	4.2	4.2	4.2
20°	4.2	4.5	4.5	4.5	4.5
22.5°	3.8	3.8	4.5	4.5	4.9
25°	4.5	4.2	4.2	4.5	4.2
27.5°	4.2	4.2	4.5	4.5	4.5
30°	4.2	3.8	3.8	4.2	4.2
32.5°	3.8	3.8	3.8	3.8	3.8
35°	3.5	3.5	3.8	3.8	3.8
37.5°	3.1	2.8	3.1	3.1	3.1
40°	2.4	2.4	2.4	2.8	2.8
42.5°	1.7	1.7	1.7	1.7	1.7
45°	1.0	1.0	1.0	1.0	1.0
47.5°	0.7	0.3	0.7	0.7	0.7
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.0	0.3	0.3	0.3	0.3
55°	0.0	0.3	0.3	0.3	0.3
57.5°	0.0	0.0	0.3	0.3	0.3
60°	0.0	0.0	0.3	0.3	0.3
62.5°	0.0	0.0	0.3	0.3	0.3
65°	0.0	0.3	0.3	0.3	0.3
67.5°	0.0	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.7	0.3	0.3
77.5°	0.7	0.7	0.7	0.7	0.3
80°	0.7	0.7	0.7	0.7	0.3
82.5°	0.7	0.7	1.0	0.7	0.3
85°	1.0	1.0	1.0	1.0	0.3
87.5°	1.0	1.0	1.4	1.4	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)