

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: P179355

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179355
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1177.1 lumens
Efficiency: N/A
Efficacy: 45.4 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 (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

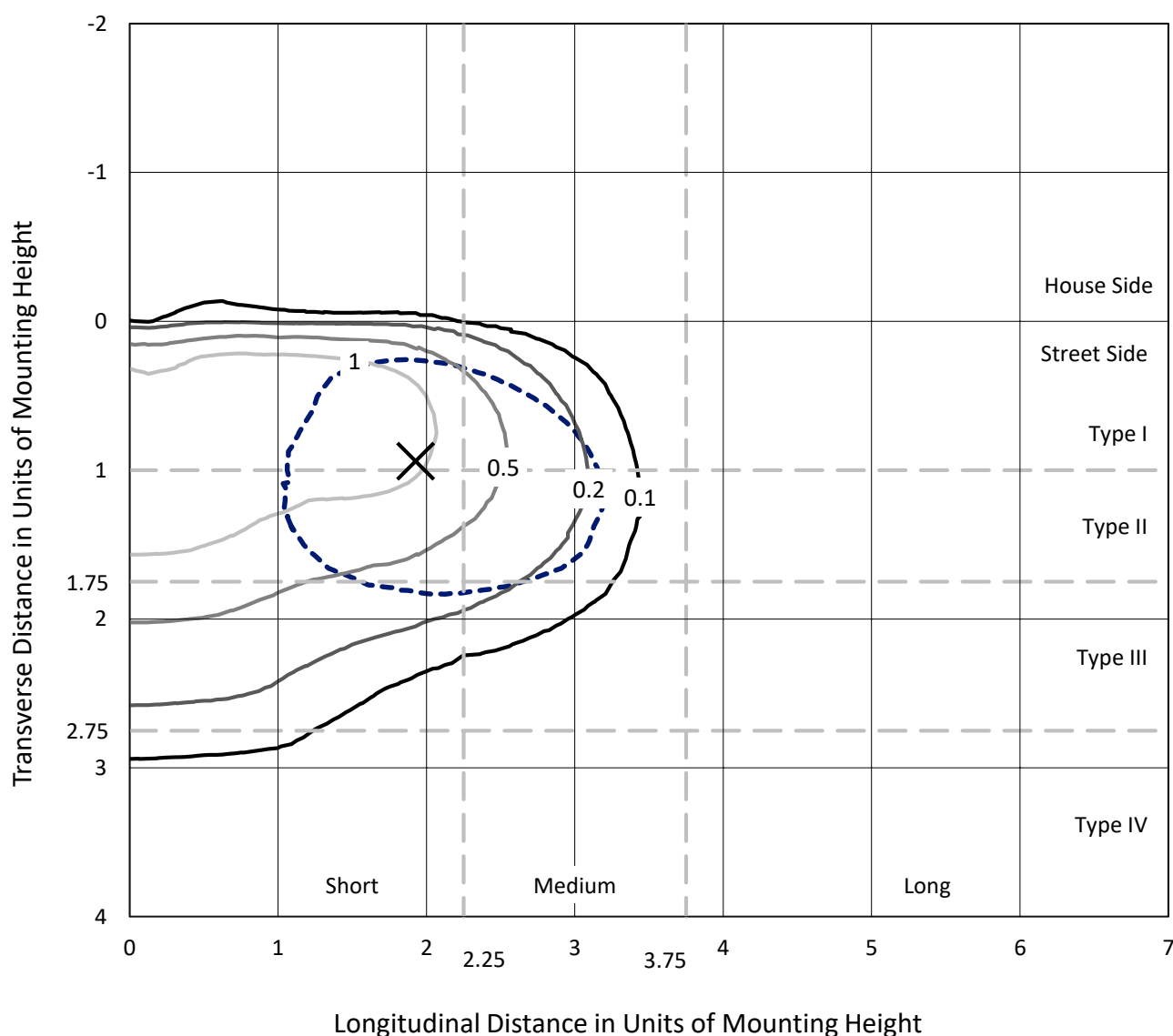


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

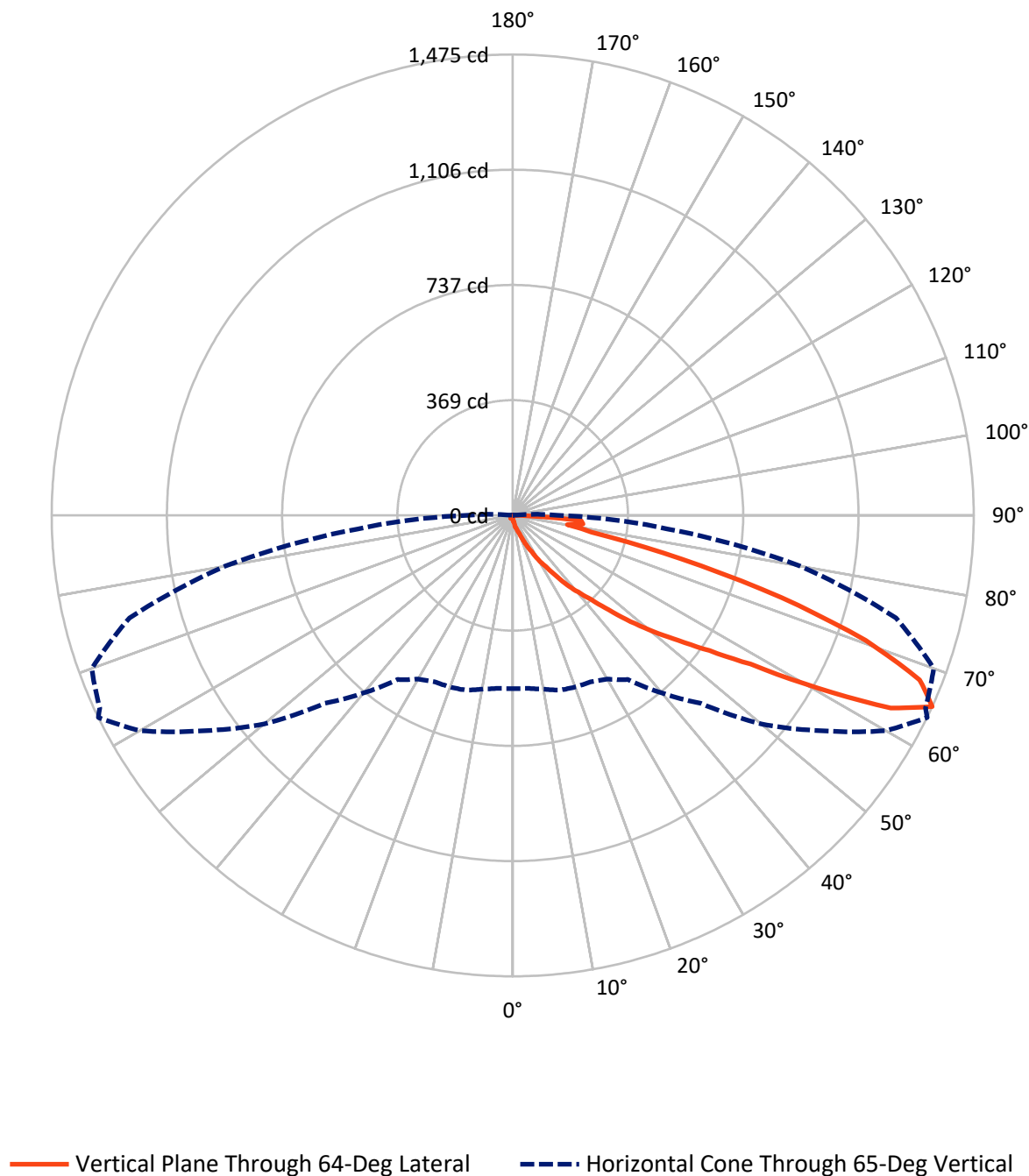


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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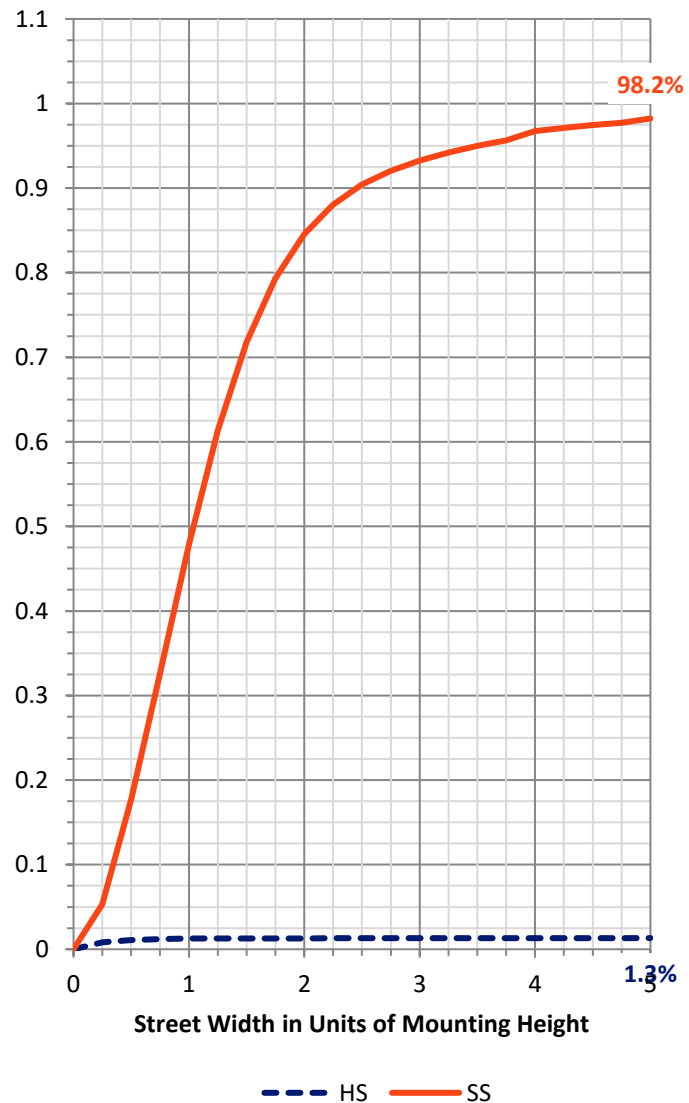
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.0	0.0	16.0
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1161.1	0.0	1161.1
	% Fixture	98.6	0.0	98.6
Total	Lumens	1177.1	0.0	1177.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	10.2	0.9
20°-30°	31.9	2.7
30°-40°	77.5	6.6
40°-50°	164.2	14.0
50°-60°	295.8	25.1
60°-70°	396.0	33.6
70°-80°	171.2	14.5
80°-90°	28.7	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°	1177.1	100.0
0°-180°	1177.1	100.0

Coefficient of Utilization



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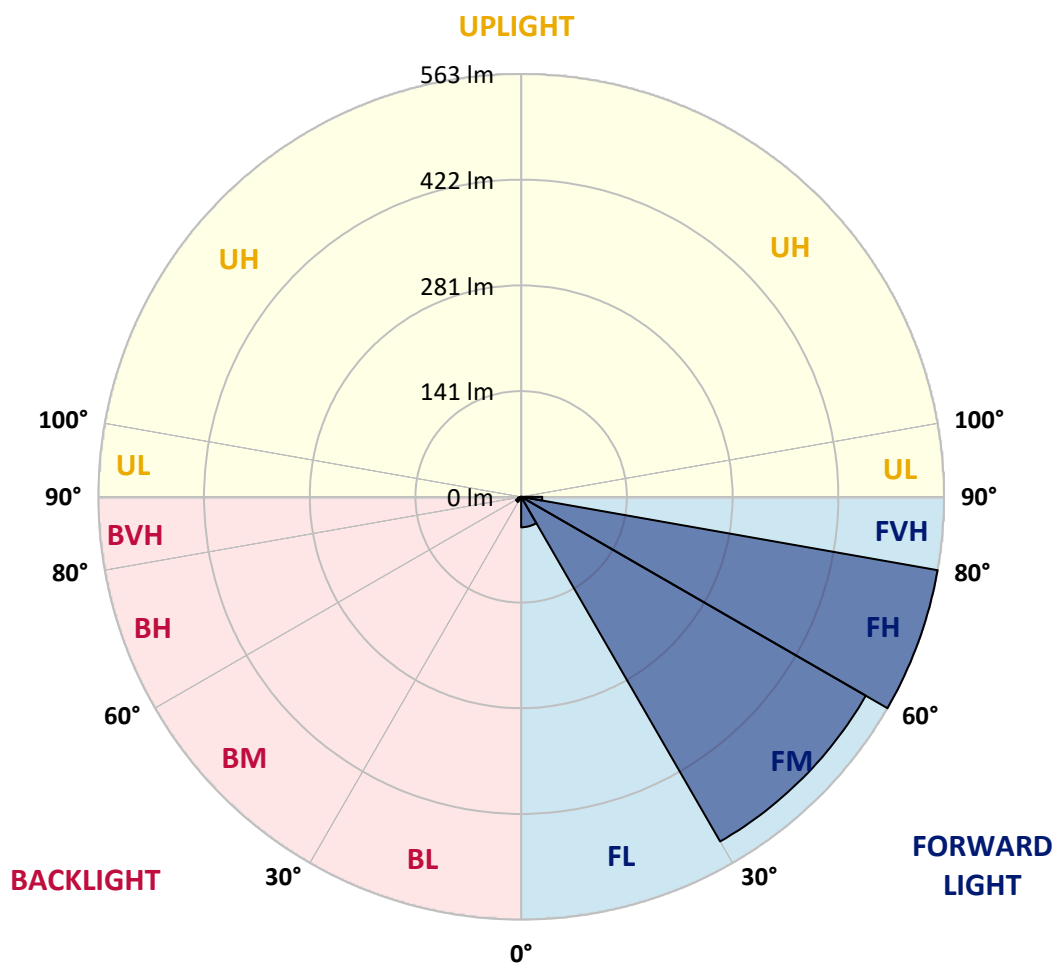
CATALOG NUMBER: UTLD-F01-LED-E-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.5	3.4			
FM	(30°-60°)	529.7	45.0			
FH	(60°-80°)	562.8	47.8			G0/660
FVH	(80°-90°)	28.1	2.4			G1/100
BL	(0°-30°)	3.1	0.3	B0/110		
BM	(30°-60°)	7.8	0.7	B0/220		
BH	(60°-80°)	4.4	0.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	16.9	16.9	16.5	16.9	16.5	16.1	16.1	15.7	15.7	15.3	15.3
5°	24.8	24.8	24.4	23.5	22.7	22.3	21.9	20.6	20.2	19.8	19.0
7.5°	44.2	44.2	43.3	42.5	42.1	41.3	40.5	38.8	37.1	27.7	23.9
10°	56.5	55.7	54.9	53.2	52.8	50.8	48.7	47.5	45.8	41.7	38.8
12.5°	79.3	78.8	78.0	78.4	75.9	74.3	71.0	68.1	54.5	51.2	49.9
15°	104.4	97.8	91.6	85.9	84.2	82.6	77.6	78.0	81.3	74.3	58.2
17.5°	106.9	107.3	106.5	106.5	104.0	102.8	105.7	91.6	89.2	83.0	78.4
20°	134.6	135.0	134.1	125.5	113.5	109.4	115.6	111.4	111.4	101.5	95.3
22.5°	140.8	142.0	140.8	140.3	137.4	144.5	139.9	120.9	128.0	119.3	114.7
25°	170.9	171.7	171.3	167.6	172.9	151.9	148.6	157.7	149.0	138.7	143.2
27.5°	203.1	202.3	183.7	177.5	180.0	177.5	187.0	171.7	179.6	169.6	162.6
30°	218.4	219.6	217.9	210.9	210.9	217.5	200.6	206.8	201.0	186.2	210.9
32.5°	262.5	264.2	259.2	258.0	239.0	232.4	226.6	232.8	218.4	229.1	235.3
35°	314.5	315.4	307.9	276.1	275.7	267.9	266.6	252.2	259.6	251.4	274.5
37.5°	357.9	355.8	343.8	328.6	329.4	313.3	296.4	297.6	285.6	286.5	308.3
40°	415.2	414.4	405.7	393.4	375.2	355.0	344.7	339.7	330.2	323.6	344.2
42.5°	468.5	473.9	470.1	454.0	427.2	418.1	393.4	383.5	380.6	369.8	386.8
45°	534.5	534.1	533.7	517.6	500.3	481.3	444.5	439.2	434.2	433.0	451.6
47.5°	584.1	584.5	586.1	575.4	563.4	536.6	500.3	499.0	501.9	499.0	522.6
50°	617.5	621.2	627.4	624.9	608.8	590.7	568.0	563.8	567.5	565.9	603.5
52.5°	639.8	644.3	651.8	656.3	639.0	631.1	621.6	616.3	634.0	634.4	677.3
55°	648.4	653.4	660.8	669.9	656.7	658.4	654.6	653.8	682.3	688.9	745.4
57.5°	641.4	646.0	654.2	665.4	661.7	675.3	667.4	671.2	715.3	732.7	805.7
60°	622.9	627.0	636.1	654.6	649.7	665.8	662.1	679.8	737.2	775.6	875.5
62.5°	591.9	596.9	606.8	624.5	627.0	641.0	644.7	674.9	752.1	818.9	968.8
65°	553.9	555.2	564.2	578.7	584.5	587.4	604.3	641.0	740.9	849.5	1038.5
67.5°	496.6	499.4	505.2	513.9	518.4	503.2	517.2	555.2	655.5	785.5	986.9
70°	352.1	351.7	364.5	401.6	412.8	378.5	377.7	401.2	483.3	607.6	789.6
72.5°	240.2	243.1	248.9	260.5	296.0	285.2	281.5	269.1	301.3	370.2	521.7
75°	182.9	184.1	208.0	227.4	251.4	262.5	269.5	254.7	242.7	232.0	298.8
77.5°	62.3	67.7	79.3	108.6	169.6	206.8	229.9	251.4	265.8	254.7	246.8
80°	13.6	14.0	15.7	21.1	59.4	106.9	134.1	171.3	213.4	237.3	258.0
82.5°	5.8	6.2	7.4	9.1	14.0	39.6	55.7	64.4	87.1	115.2	187.8
85°	2.1	2.1	2.5	3.3	5.4	9.9	14.9	16.1	24.8	36.3	61.5
87.5°	0.8	0.8	0.8	1.2	1.7	2.5	2.9	3.3	4.1	8.7	20.6
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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	15.3	14.9	14.9	14.9	14.4	13.2	12.4	10.7	9.9	9.1	8.7
5°	18.2	16.9	16.1	16.1	14.9	14.4	14.0	12.0	9.5	8.3	7.4
7.5°	21.9	20.2	19.0	18.6	16.9	14.9	14.0	12.8	9.5	7.8	7.0
10°	36.7	26.0	23.9	23.1	20.6	18.2	16.5	15.7	11.6	9.1	8.3
12.5°	46.6	41.3	37.1	32.6	24.4	21.9	18.6	15.7	12.0	9.1	7.4
15°	54.1	48.3	42.5	42.1	34.7	28.1	22.7	19.8	14.0	11.6	9.5
17.5°	78.0	60.3	52.4	52.0	44.2	31.0	26.0	19.4	15.3	11.1	9.1
20°	88.7	75.5	63.2	65.2	57.4	45.4	33.0	25.2	18.2	14.9	12.0
22.5°	113.9	102.4	88.3	79.3	66.5	53.7	36.3	28.1	20.6	15.3	12.4
25°	132.1	117.2	111.9	110.6	91.6	72.2	48.3	33.0	23.1	16.9	14.9
27.5°	163.5	152.3	134.1	132.1	104.4	79.3	60.7	39.2	25.6	18.6	15.7
30°	184.1	175.8	169.6	165.1	130.8	95.3	68.9	44.6	27.7	19.4	16.1
32.5°	224.5	208.9	195.2	188.2	165.9	120.5	83.4	51.2	30.1	20.6	17.7
35°	257.6	255.9	236.1	234.4	202.3	154.0	101.5	59.9	31.4	21.1	17.3
37.5°	300.9	291.4	281.9	277.0	246.8	189.0	124.2	73.5	36.7	21.9	17.3
40°	335.6	326.1	322.4	317.8	278.2	223.3	153.5	80.1	37.6	22.3	16.9
42.5°	379.7	364.9	368.2	363.2	321.1	269.1	182.9	95.8	40.5	22.3	16.1
45°	435.9	428.0	431.7	423.5	381.8	327.7	213.4	111.4	44.6	21.9	14.9
47.5°	507.7	503.2	507.3	492.8	461.1	404.9	277.4	139.9	49.9	21.5	14.0
50°	584.1	590.7	584.9	571.3	557.6	487.5	352.1	175.0	57.8	20.6	13.2
52.5°	673.6	674.5	664.1	663.7	664.1	595.2	430.1	217.1	67.7	19.8	12.4
55°	758.7	769.0	763.6	769.8	779.3	731.8	525.9	265.4	81.3	18.6	11.6
57.5°	845.8	882.5	897.3	916.7	934.9	908.9	655.1	335.6	97.8	17.3	10.7
60°	958.4	1058.3	1121.9	1145.4	1160.7	1107.4	822.6	425.1	121.8	16.1	9.5
62.5°	1104.1	1263.9	1357.6	1384.8	1364.2	1252.7	920.0	492.0	141.2	15.3	8.3
65°	1200.3	1377.4	1474.8	1457.5	1433.1	1269.2	933.7	498.2	145.3	13.6	7.4
67.5°	1143.4	1306.8	1404.2	1378.2	1360.5	1186.7	837.1	459.0	135.4	11.6	6.6
70°	947.3	1112.8	1198.2	1176.8	1189.6	1007.1	684.8	388.8	120.1	9.9	5.8
72.5°	680.6	810.7	898.2	885.0	919.2	724.0	504.4	305.9	99.9	8.3	5.0
75°	415.7	534.9	556.0	535.8	511.4	369.4	243.5	166.3	64.4	6.2	3.7
77.5°	254.3	291.8	257.6	260.9	205.6	92.5	45.8	34.3	18.2	5.0	2.5
80°	242.3	219.2	177.1	172.1	118.5	35.9	20.2	15.3	7.8	3.7	2.1
82.5°	253.0	265.4	226.6	209.7	125.5	31.8	16.5	12.4	6.2	2.9	1.7
85°	104.8	236.5	219.6	200.2	116.0	24.8	13.2	9.1	4.1	2.1	1.7
87.5°	40.9	67.7	62.3	55.7	36.7	12.4	10.3	7.4	2.9	1.7	1.7
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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
2.5°	8.3	7.8	7.4	7.4	7.0	7.0	6.6	6.6	6.6	6.6	6.6
5°	7.0	6.6	6.2	5.8	5.4	5.4	5.8	6.2	6.2	6.6	6.2
7.5°	6.2	5.8	5.0	5.4	5.4	4.5	3.3	2.9	2.9	3.3	3.3
10°	6.6	5.8	6.2	3.7	2.9	2.5	2.9	2.9	2.9	3.7	4.5
12.5°	6.6	7.0	5.0	4.5	4.1	3.7	4.5	4.1	3.7	4.1	4.1
15°	8.7	6.2	5.4	4.5	5.0	5.4	5.0	4.5	4.1	4.1	4.5
17.5°	7.4	6.6	6.2	7.0	6.6	5.4	5.0	5.4	5.4	5.0	4.5
20°	9.9	8.7	8.3	7.0	6.2	6.2	6.2	5.4	5.0	5.0	5.4
22.5°	11.1	9.5	9.5	8.7	7.8	6.2	6.2	5.8	5.8	5.4	5.0
25°	13.2	12.4	10.7	8.7	8.3	7.4	7.0	5.8	5.8	5.4	5.4
27.5°	14.0	12.4	10.7	9.9	8.7	7.0	7.0	5.8	5.4	5.4	5.0
30°	14.9	12.8	11.1	9.9	8.7	7.4	7.0	5.8	5.4	5.0	5.0
32.5°	15.7	13.2	10.7	9.5	8.3	7.0	6.6	5.8	5.0	4.5	4.5
35°	14.9	12.4	10.7	9.5	7.8	6.6	6.2	5.4	4.5	4.5	4.1
37.5°	14.0	11.6	9.9	8.7	7.4	6.2	5.4	4.5	4.1	3.7	3.7
40°	13.2	10.7	9.1	7.8	6.6	5.8	5.0	3.7	3.3	2.9	2.9
42.5°	12.0	9.9	8.3	7.0	5.8	4.5	4.1	3.3	2.5	2.1	2.1
45°	11.6	9.1	7.4	6.2	5.0	4.1	3.3	2.5	1.7	1.2	1.2
47.5°	10.7	8.3	6.6	5.4	4.1	3.3	2.5	1.7	1.2	0.8	0.8
50°	9.9	7.8	5.8	4.5	3.3	2.5	1.7	1.2	0.8	0.4	0.4
52.5°	9.1	7.0	5.0	3.7	2.9	2.1	1.2	0.8	0.4	0.4	0.0
55°	8.3	5.8	4.5	3.3	2.1	1.2	0.8	0.4	0.4	0.0	0.0
57.5°	7.0	5.0	3.7	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0
60°	6.2	4.1	2.9	2.1	1.2	0.8	0.4	0.4	0.0	0.0	0.0
62.5°	5.4	3.7	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0	0.0
65°	4.5	2.9	2.1	1.2	0.8	0.4	0.4	0.4	0.4	0.0	0.0
67.5°	4.1	2.5	1.7	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.0
70°	3.7	2.1	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	2.9	1.7	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
75°	2.1	1.2	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.7	1.2	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.2	0.8	0.8	1.2	1.2	1.2	0.4	0.8	0.8	0.8	0.8
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.4	1.2	1.2	1.2	0.8
85°	1.2	1.2	1.2	1.2	1.7	1.7	0.4	1.7	1.7	1.2	1.2
87.5°	1.7	1.2	1.7	1.7	1.7	2.1	0.4	1.7	1.7	1.7	1.7
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°	10.3	10.3	10.3	10.3	10.3
2.5°	6.6	7.0	7.0	7.0	7.0
5°	5.8	5.4	5.4	5.4	5.4
7.5°	3.3	3.3	3.7	3.7	3.7
10°	5.0	5.0	5.0	5.0	5.0
12.5°	4.1	4.5	4.5	4.5	4.5
15°	5.0	5.0	5.4	5.4	5.4
17.5°	4.5	4.5	5.0	5.0	5.0
20°	5.0	5.4	5.4	5.4	5.4
22.5°	4.5	4.5	5.4	5.4	5.8
25°	5.4	5.0	5.0	5.4	5.0
27.5°	5.0	5.0	5.4	5.4	5.4
30°	5.0	4.5	4.5	5.0	5.0
32.5°	4.5	4.5	4.5	4.5	4.5
35°	4.1	4.1	4.5	4.5	4.5
37.5°	3.7	3.3	3.7	3.7	3.7
40°	2.9	2.9	2.9	3.3	3.3
42.5°	2.1	2.1	2.1	2.1	2.1
45°	1.2	1.2	1.2	1.2	1.2
47.5°	0.8	0.4	0.8	0.8	0.8
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.0	0.4	0.4	0.4	0.4
55°	0.0	0.4	0.4	0.4	0.4
57.5°	0.0	0.0	0.4	0.4	0.4
60°	0.0	0.0	0.4	0.4	0.4
62.5°	0.0	0.0	0.4	0.4	0.4
65°	0.0	0.4	0.4	0.4	0.4
67.5°	0.0	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.8	0.4	0.4
77.5°	0.8	0.8	0.8	0.8	0.4
80°	0.8	0.8	0.8	0.8	0.4
82.5°	0.8	0.8	1.2	0.8	0.4
85°	1.2	1.2	1.2	1.2	0.4
87.5°	1.2	1.2	1.7	1.7	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)