

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: P179356

Luminaire Tested: **UTLD-F01-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179356
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1207.8 lumens
Efficiency: N/A
Efficacy: 46.6 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



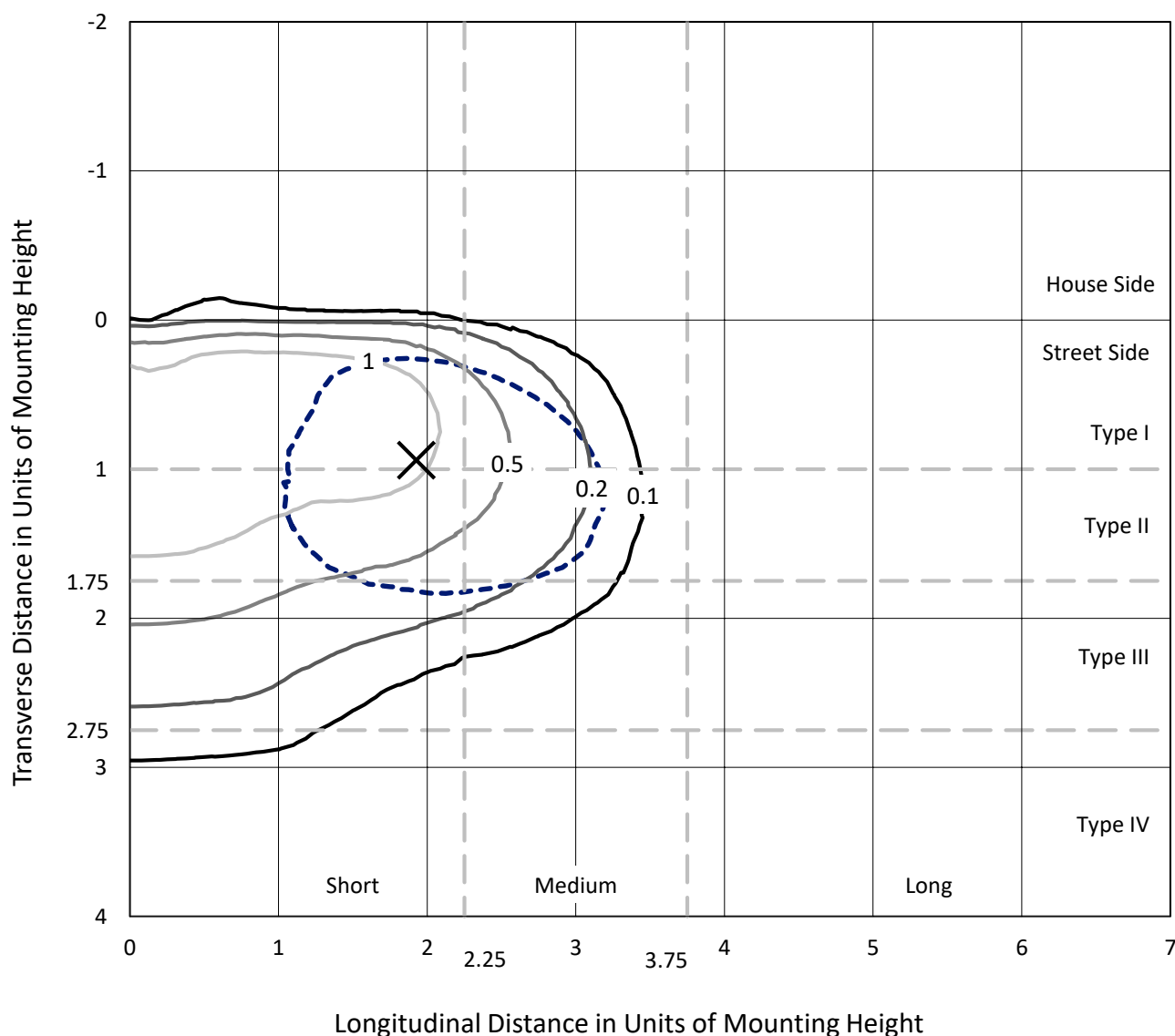
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

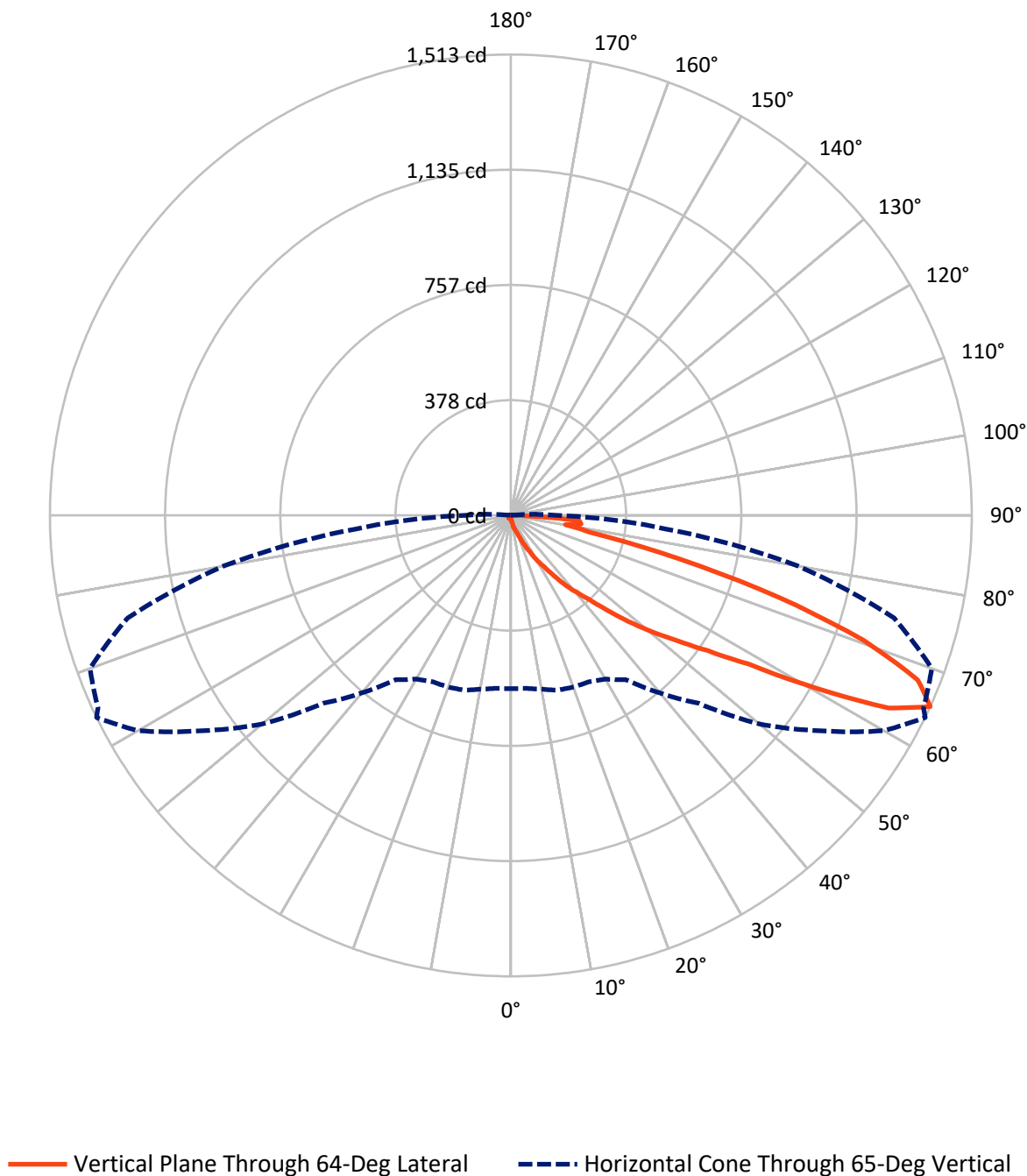


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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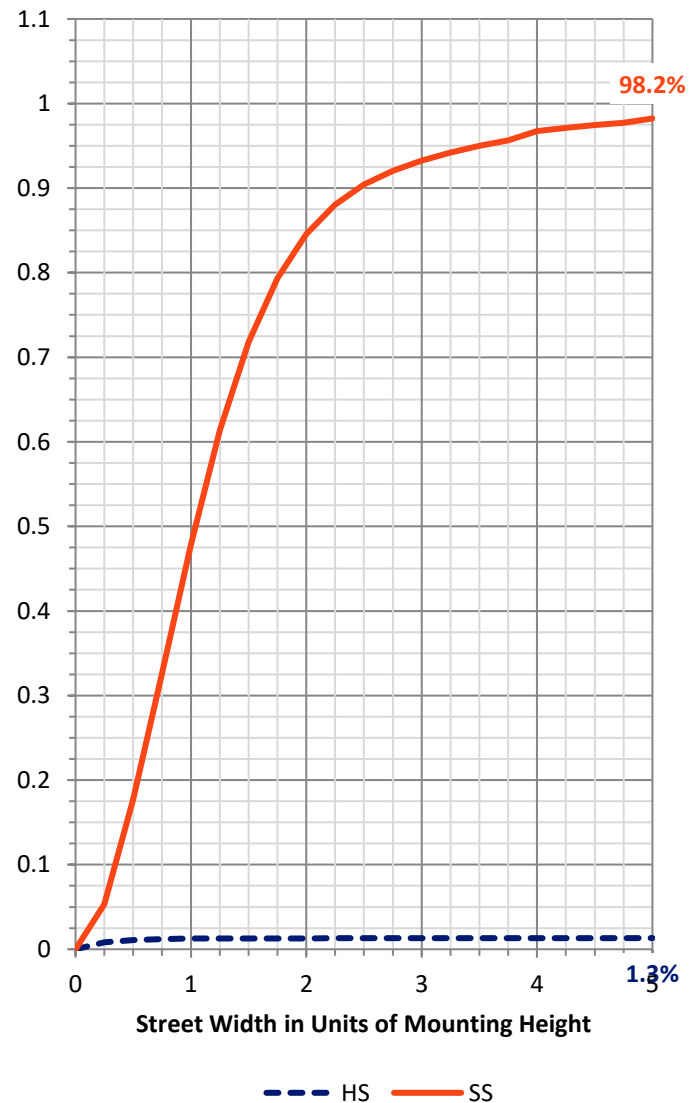
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.4	0.0	16.4
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1191.4	0.0	1191.4
	% Fixture	98.6	0.0	98.6
Total	Lumens	1207.8	0.0	1207.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	10.4	0.9
20°-30°	32.8	2.7
30°-40°	79.5	6.6
40°-50°	168.5	14.0
50°-60°	303.5	25.1
60°-70°	406.4	33.6
70°-80°	175.7	14.5
80°-90°	29.5	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°	1207.8	100.0
0°-180°	1207.8	100.0

Coefficient of Utilization



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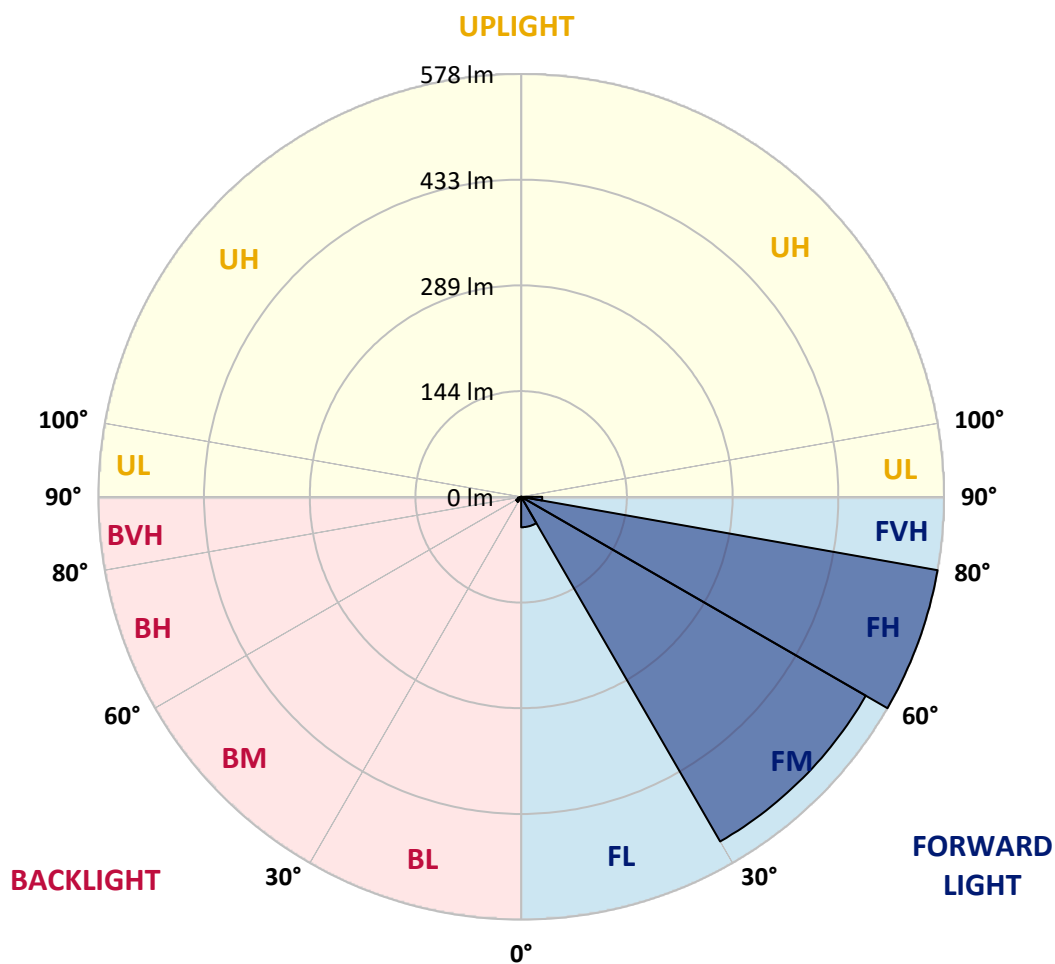
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.6	3.4			
FM	(30°-60°)	543.5	45.0			
FH	(60°-80°)	577.5	47.8			G0/660
FVH	(80°-90°)	28.8	2.4			G1/100
BL	(0°-30°)	3.2	0.3	B0/110		
BM	(30°-60°)	8.0	0.7	B0/220		
BH	(60°-80°)	4.5	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°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	17.4	17.4	16.9	17.4	16.9	16.5	16.5	16.1	16.1	15.7	15.7
5°	25.4	25.4	25.0	24.1	23.3	22.9	22.4	21.2	20.8	20.3	19.5
7.5°	45.3	45.3	44.5	43.6	43.2	42.4	41.5	39.8	38.1	28.4	24.6
10°	58.0	57.2	56.3	54.6	54.2	52.1	50.0	48.7	47.0	42.8	39.8
12.5°	81.3	80.9	80.0	80.5	77.9	76.2	72.8	69.9	55.9	52.5	51.2
15°	107.2	100.4	94.0	88.1	86.4	84.7	79.6	80.0	83.4	76.2	59.7
17.5°	109.7	110.1	109.3	109.3	106.7	105.5	108.4	94.0	91.5	85.1	80.5
20°	138.1	138.5	137.6	128.8	116.5	112.2	118.6	114.4	114.4	104.2	97.8
22.5°	144.4	145.7	144.4	144.0	141.0	148.2	143.6	124.1	131.3	122.4	117.7
25°	175.3	176.2	175.8	172.0	177.5	155.9	152.5	161.8	152.9	142.3	147.0
27.5°	208.4	207.5	188.5	182.1	184.7	182.1	191.9	176.2	184.2	174.1	166.9
30°	224.1	225.3	223.6	216.4	216.4	223.2	205.8	212.2	206.3	191.0	216.4
32.5°	269.4	271.1	266.0	264.7	245.2	238.5	232.5	238.9	224.1	235.1	241.4
35°	322.7	323.6	316.0	283.3	282.9	274.9	273.6	258.8	266.4	257.9	281.7
37.5°	367.2	365.1	352.8	337.1	338.0	321.5	304.1	305.4	293.1	293.9	316.4
40°	426.1	425.2	416.3	403.6	385.0	364.2	353.7	348.6	338.8	332.1	353.2
42.5°	480.7	486.2	482.4	465.9	438.4	429.0	403.6	393.5	390.5	379.5	396.9
45°	548.5	548.1	547.6	531.1	513.3	493.8	456.2	450.6	445.6	444.3	463.4
47.5°	599.3	599.7	601.4	590.4	578.1	550.6	513.3	512.1	515.0	512.1	536.2
50°	633.6	637.4	643.8	641.2	624.7	606.1	582.8	578.6	582.4	580.7	619.2
52.5°	656.5	661.1	668.8	673.4	655.6	647.6	637.8	632.3	650.6	651.0	695.0
55°	665.4	670.5	678.1	687.4	673.8	675.5	671.7	670.9	700.1	706.9	764.9
57.5°	658.2	662.8	671.3	682.7	678.9	692.9	684.9	688.7	734.0	751.8	826.7
60°	639.1	643.4	652.7	671.7	666.6	683.2	679.4	697.6	756.4	795.8	898.3
62.5°	607.4	612.4	622.6	640.8	643.4	657.8	661.6	692.5	771.7	840.3	994.0
65°	568.4	569.7	579.0	593.8	599.7	602.7	620.1	657.8	760.3	871.6	1065.6
67.5°	509.5	512.5	518.4	527.3	532.0	516.3	530.7	569.7	672.6	806.0	1012.7
70°	361.3	360.9	374.0	412.1	423.5	388.4	387.5	411.7	496.0	623.4	810.2
72.5°	246.5	249.5	255.4	267.3	303.7	292.7	288.9	276.1	309.2	379.9	535.4
75°	187.6	188.9	213.5	233.4	257.9	269.4	276.6	261.3	249.0	238.0	306.6
77.5°	64.0	69.5	81.3	111.4	174.1	212.2	235.9	257.9	272.8	261.3	253.3
80°	14.0	14.4	16.1	21.6	61.0	109.7	137.6	175.8	219.0	243.5	264.7
82.5°	5.9	6.4	7.6	9.3	14.4	40.7	57.2	66.1	89.4	118.2	192.7
85°	2.1	2.1	2.5	3.4	5.5	10.2	15.2	16.5	25.4	37.3	63.1
87.5°	0.8	0.8	0.8	1.3	1.7	2.5	3.0	3.4	4.2	8.9	21.2
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	15.7	15.2	15.2	15.2	14.8	13.6	12.7	11.0	10.2	9.3	8.9
5°	18.6	17.4	16.5	16.5	15.2	14.8	14.4	12.3	9.7	8.5	7.6
7.5°	22.4	20.8	19.1	19.1	17.4	15.2	14.4	13.1	9.7	8.0	7.2
10°	37.7	26.7	23.7	23.7	21.2	18.6	16.9	16.1	11.9	9.3	8.5
12.5°	47.9	42.4	33.5	33.5	25.0	22.4	19.1	16.1	12.3	9.3	7.6
15°	55.5	49.6	43.2	43.2	35.6	28.8	23.3	20.3	14.4	11.9	9.7
17.5°	80.0	61.8	53.4	53.4	45.3	31.8	26.7	19.9	15.7	11.4	9.3
20°	91.1	77.5	66.9	66.9	58.9	46.6	33.9	25.8	18.6	15.2	12.3
22.5°	116.9	105.0	81.3	81.3	68.2	55.1	37.3	28.8	21.2	15.7	12.7
25°	135.5	120.3	113.5	113.5	94.0	74.1	49.6	33.9	23.7	17.4	15.2
27.5°	167.7	156.3	135.5	135.5	107.2	81.3	62.3	40.2	26.3	19.1	16.1
30°	188.9	180.4	169.4	169.4	134.3	97.8	70.7	45.7	28.4	19.9	16.5
32.5°	230.4	214.3	193.1	193.1	170.3	123.7	85.6	52.5	30.9	21.2	18.2
35°	264.3	262.6	240.6	240.6	207.5	158.0	104.2	61.4	32.2	21.6	17.8
37.5°	308.8	299.0	284.2	284.2	253.3	194.0	127.5	75.4	37.7	22.4	17.8
40°	344.3	334.6	326.1	326.1	285.5	229.1	157.6	82.2	38.5	22.9	17.4
42.5°	389.7	374.4	372.7	372.7	329.5	276.1	187.6	98.3	41.5	22.9	16.5
45°	447.3	439.2	434.5	434.5	391.8	336.3	219.0	114.4	45.7	22.4	15.2
47.5°	521.0	516.3	505.7	505.7	473.1	415.5	284.6	143.6	51.2	22.0	14.4
50°	599.3	606.1	586.2	586.2	572.2	500.2	361.3	179.6	59.3	21.2	13.6
52.5°	691.2	692.1	681.0	681.0	681.5	610.7	441.3	222.8	69.5	20.3	12.7
55°	778.5	789.1	789.9	789.9	799.6	750.9	539.6	272.3	83.4	19.1	11.9
57.5°	867.8	905.5	940.7	940.7	959.3	932.6	672.2	344.3	100.4	17.8	11.0
60°	983.5	1086.0	1175.3	1175.3	1191.0	1136.4	844.1	436.2	124.9	16.5	9.7
62.5°	1133.0	1296.9	1421.0	1421.0	1399.8	1285.4	944.1	504.9	144.8	15.7	8.5
65°	1231.6	1413.3	1495.5	1495.5	1470.5	1302.4	958.0	511.2	149.1	14.0	7.6
67.5°	1173.2	1340.9	1414.2	1414.2	1396.0	1217.7	858.9	471.0	138.9	11.9	6.8
70°	972.0	1141.9	1207.5	1207.5	1220.6	1033.4	702.6	399.0	123.2	10.2	5.9
72.5°	698.4	831.8	908.1	908.1	943.2	742.9	517.6	313.8	102.5	8.5	5.1
75°	426.5	548.9	549.8	549.8	524.8	379.1	249.9	170.7	66.1	6.4	3.8
77.5°	260.9	299.4	267.7	267.7	210.9	94.9	47.0	35.2	18.6	5.1	2.5
80°	248.6	224.9	176.6	176.6	121.6	36.8	20.8	15.7	8.0	3.8	2.1
82.5°	259.6	272.3	215.2	215.2	128.8	32.6	16.9	12.7	6.4	3.0	1.7
85°	107.6	242.7	205.4	205.4	119.0	25.4	13.6	9.3	4.2	2.1	1.7
87.5°	41.9	69.5	57.2	57.2	37.7	12.7	10.6	7.6	3.0	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°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	8.5	8.0	7.6	7.6	7.2	7.2	6.8	6.8	6.8	6.8	6.8
5°	7.2	6.8	6.4	5.9	5.5	5.5	5.9	6.4	6.4	6.8	6.4
7.5°	6.4	5.9	5.1	5.5	5.5	4.7	3.4	3.0	3.0	3.4	3.4
10°	6.8	5.9	6.4	3.8	3.0	2.5	3.0	3.0	3.0	3.8	4.7
12.5°	6.8	7.2	5.1	4.7	4.2	3.8	4.7	4.2	3.8	4.2	4.2
15°	8.9	6.4	5.5	4.7	5.1	5.5	5.1	4.7	4.2	4.2	4.7
17.5°	7.6	6.8	6.4	7.2	6.8	5.5	5.1	5.5	5.5	5.1	4.7
20°	10.2	8.9	8.5	7.2	6.4	6.4	6.4	5.5	5.1	5.1	5.5
22.5°	11.4	9.7	9.7	8.9	8.0	6.4	6.4	5.9	5.9	5.5	5.1
25°	13.6	12.7	11.0	8.9	8.5	7.6	7.2	5.9	5.9	5.5	5.5
27.5°	14.4	12.7	11.0	10.2	8.9	7.2	7.2	5.9	5.5	5.5	5.1
30°	15.2	13.1	11.4	10.2	8.9	7.6	7.2	5.9	5.5	5.1	5.1
32.5°	16.1	13.6	11.0	9.7	8.5	7.2	6.8	5.9	5.1	4.7	4.7
35°	15.2	12.7	11.0	9.7	8.0	6.8	6.4	5.5	4.7	4.7	4.2
37.5°	14.4	11.9	10.2	8.9	7.6	6.4	5.5	4.7	4.2	3.8	3.8
40°	13.6	11.0	9.3	8.0	6.8	5.9	5.1	3.8	3.4	3.0	3.0
42.5°	12.3	10.2	8.5	7.2	5.9	4.7	4.2	3.4	2.5	2.1	2.1
45°	11.9	9.3	7.6	6.4	5.1	4.2	3.4	2.5	1.7	1.3	1.3
47.5°	11.0	8.5	6.8	5.5	4.2	3.4	2.5	1.7	1.3	0.8	0.8
50°	10.2	8.0	5.9	4.7	3.4	2.5	1.7	1.3	0.8	0.4	0.4
52.5°	9.3	7.2	5.1	3.8	3.0	2.1	1.3	0.8	0.4	0.4	0.0
55°	8.5	5.9	4.7	3.4	2.1	1.3	0.8	0.4	0.4	0.0	0.0
57.5°	7.2	5.1	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0
60°	6.4	4.2	3.0	2.1	1.3	0.8	0.4	0.4	0.0	0.0	0.0
62.5°	5.5	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0	0.0
65°	4.7	3.0	2.1	1.3	0.8	0.4	0.4	0.4	0.4	0.0	0.0
67.5°	4.2	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.0
70°	3.8	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	3.0	1.7	1.3	0.8	0.8	0.4	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	0.8	0.8	0.8	0.8
80°	1.3	0.8	0.8	1.3	1.3	1.3	0.4	0.8	0.8	0.8	0.8
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
85°	1.3	1.3	1.3	1.3	1.7	1.7	0.4	1.7	1.7	1.3	1.3
87.5°	1.7	1.3	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°	10.6	10.6	10.6	10.6	10.6
2.5°	6.8	7.2	7.2	7.2	7.2
5°	5.9	5.5	5.5	5.5	5.5
7.5°	3.4	3.4	3.8	3.8	3.8
10°	5.1	5.1	5.1	5.1	5.1
12.5°	4.2	4.7	4.7	4.7	4.7
15°	5.1	5.1	5.5	5.5	5.5
17.5°	4.7	4.7	5.1	5.1	5.1
20°	5.1	5.5	5.5	5.5	5.5
22.5°	4.7	4.7	5.5	5.5	5.9
25°	5.5	5.1	5.1	5.5	5.1
27.5°	5.1	5.1	5.5	5.5	5.5
30°	5.1	4.7	4.7	5.1	5.1
32.5°	4.7	4.7	4.7	4.7	4.7
35°	4.2	4.2	4.7	4.7	4.7
37.5°	3.8	3.4	3.8	3.8	3.8
40°	3.0	3.0	3.0	3.4	3.4
42.5°	2.1	2.1	2.1	2.1	2.1
45°	1.3	1.3	1.3	1.3	1.3
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	1.3	0.8	0.4
85°	1.3	1.3	1.3	1.3	0.4
87.5°	1.3	1.3	1.7	1.7	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)