

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: P179263

Luminaire Tested: **UTLD-F01-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179263
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1078.5 lumens
Efficiency: N/A
Efficacy: 41.6 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

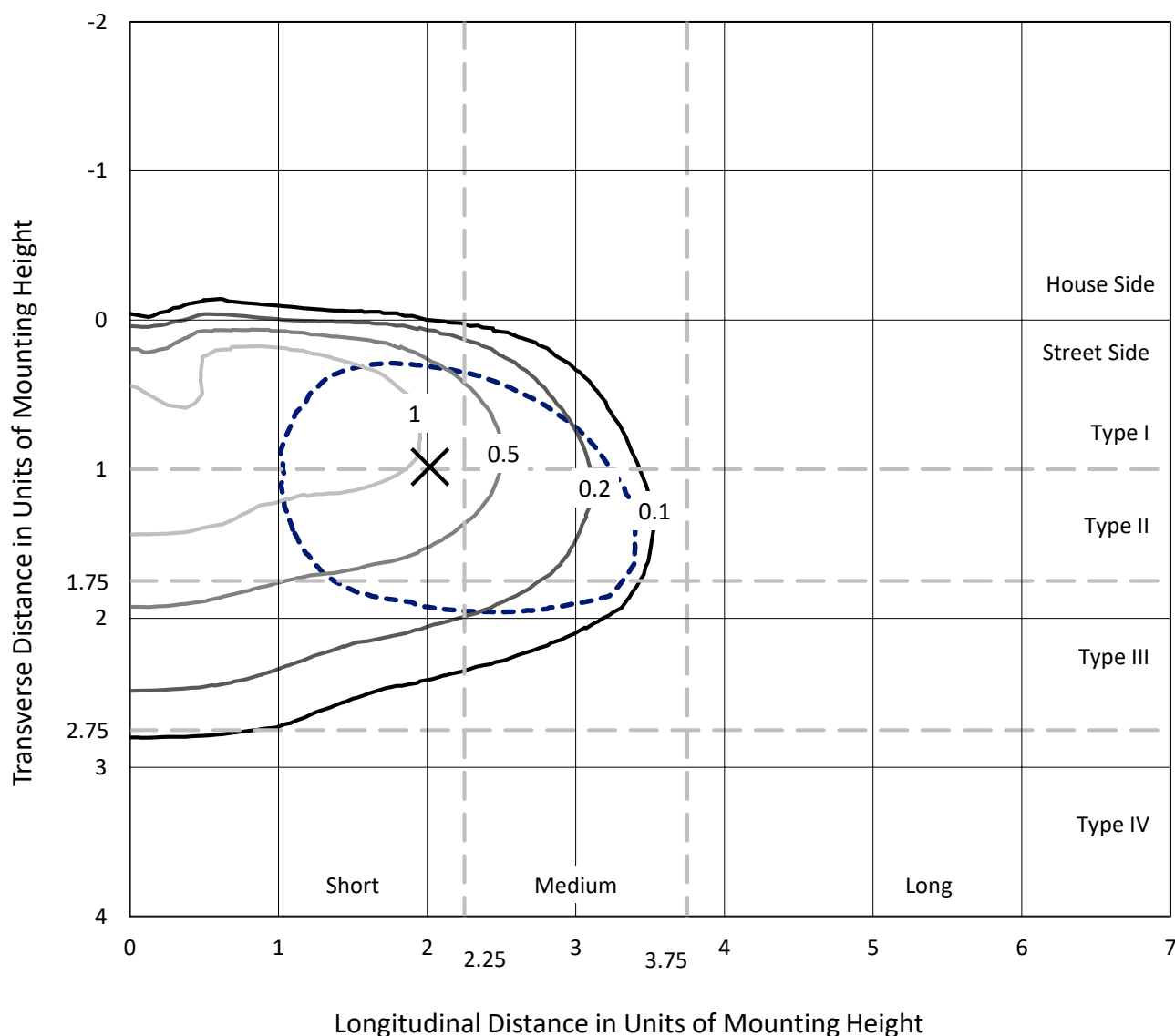


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

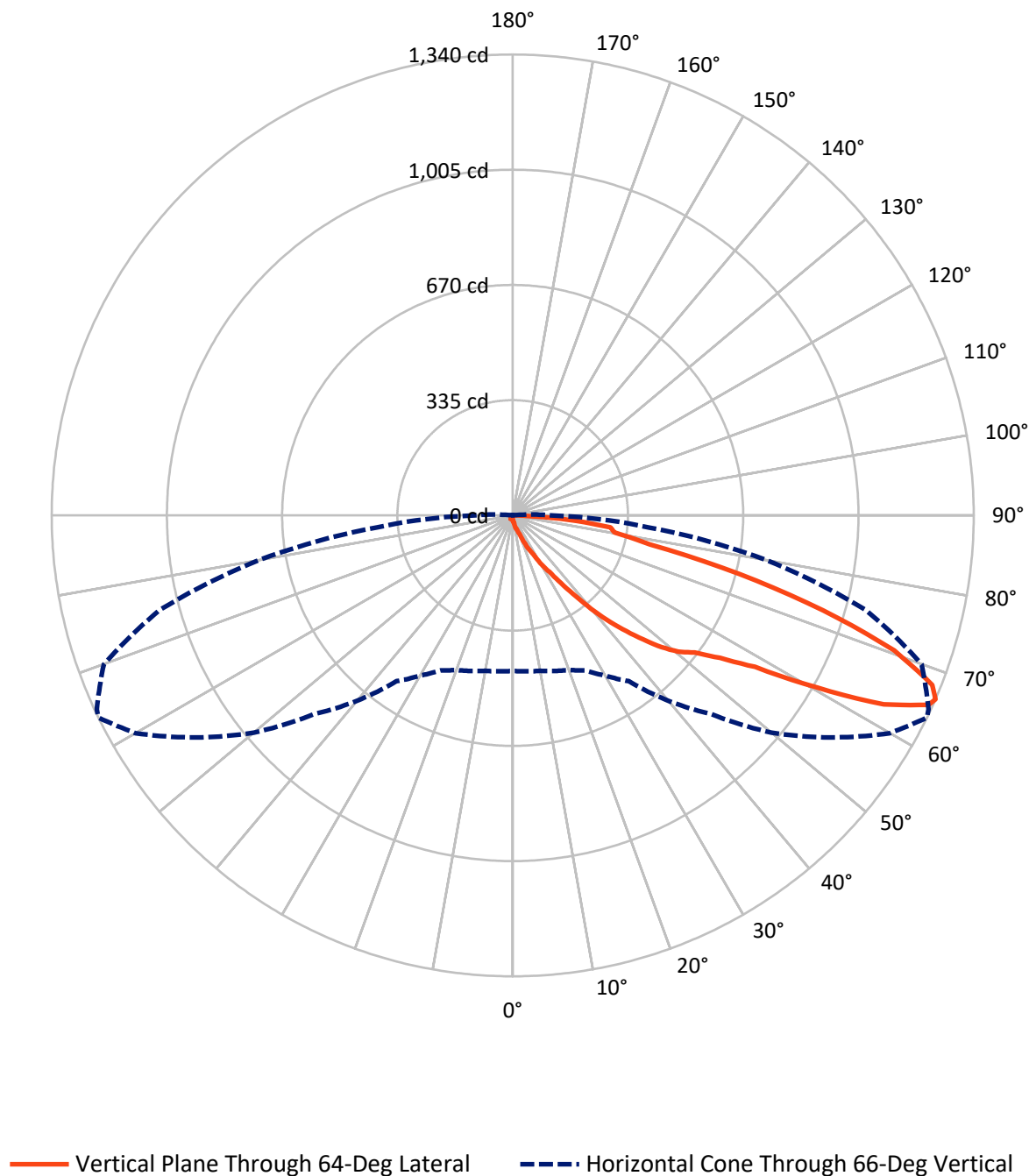


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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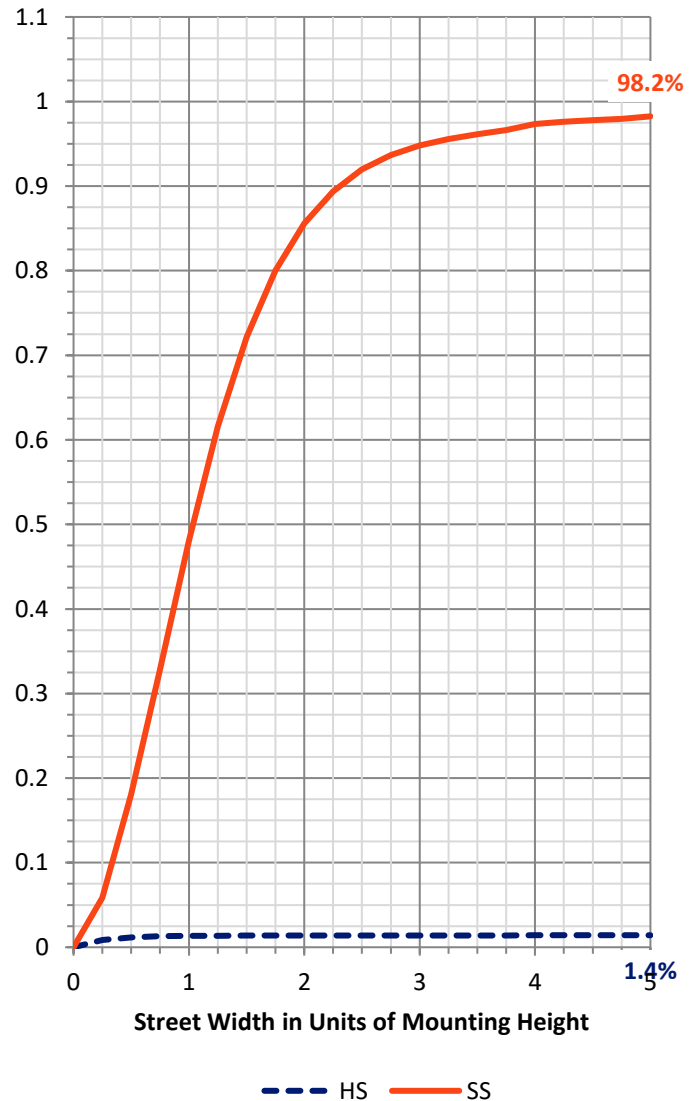
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.7	0.0	15.7
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	1062.8	0.0	1062.8
	% Fixture	98.5	0.0	98.5
Total	Lumens	1078.5	0.0	1078.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	8.4	0.8
20°-30°	25.8	2.4
30°-40°	68.5	6.4
40°-50°	159.4	14.8
50°-60°	271.8	25.2
60°-70°	358.8	33.3
70°-80°	161.0	14.9
80°-90°	23.4	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°	1078.5	100.0
0°-180°	1078.5	100.0

Coefficient of Utilization



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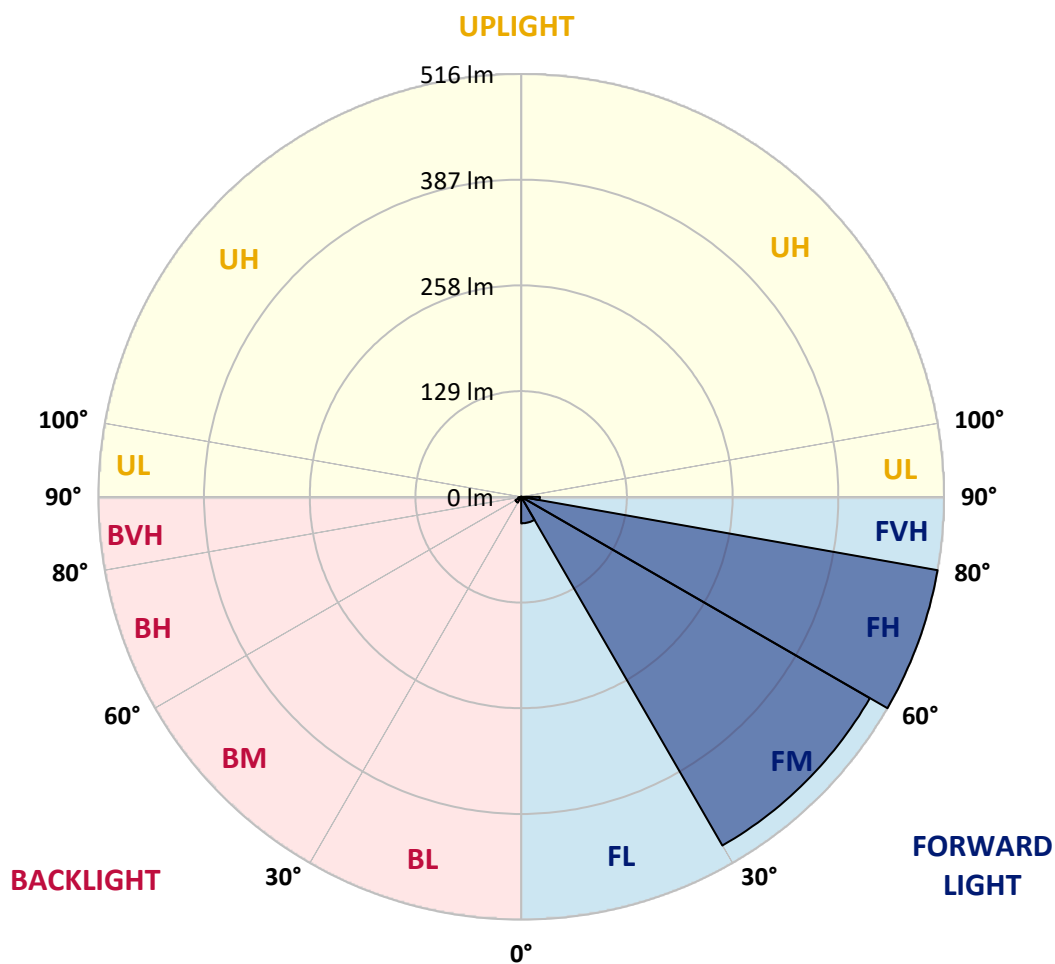
CATALOG NUMBER: UTLD-F01-LED-E-U-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	32.4	3.0			
FM	(30°-60°)	491.5	45.6			
FH	(60°-80°)	516.1	47.9			G0/660
FVH	(80°-90°)	22.8	2.1			G1/100
BL	(0°-30°)	3.3	0.3	B0/110		
BM	(30°-60°)	8.2	0.8	B0/220		
BH	(60°-80°)	3.6	0.3	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°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
2.5°	18.5	18.5	18.5	18.1	17.8	17.8	17.4	17.1	17.1	17.1	16.7
5°	25.1	24.0	23.3	22.3	21.6	21.6	20.9	20.6	20.2	19.9	19.2
7.5°	37.3	36.9	36.2	35.9	35.5	35.2	34.1	33.8	32.7	30.0	23.0
10°	47.4	45.6	45.6	43.2	41.8	40.4	39.0	38.3	38.3	35.9	34.1
12.5°	56.8	57.1	57.5	57.8	56.8	56.1	55.0	53.6	44.2	42.2	42.2
15°	75.6	74.9	73.9	68.6	61.0	59.6	56.8	57.1	62.0	58.9	50.2
17.5°	78.4	78.4	77.7	76.6	75.2	72.8	73.2	71.1	64.4	63.1	62.7
20°	101.0	101.0	99.6	96.1	88.1	76.6	79.1	76.3	76.6	75.2	71.4
22.5°	109.7	110.1	107.3	103.5	97.9	97.2	91.6	80.1	83.6	81.5	82.6
25°	139.0	138.3	134.5	126.5	119.1	102.1	94.1	95.8	90.9	88.1	101.0
27.5°	171.0	170.4	156.4	140.4	128.9	117.1	111.5	101.4	103.5	105.9	110.1
30°	188.5	186.7	179.8	167.6	153.6	138.3	119.1	116.4	113.9	116.0	144.9
32.5°	227.8	227.5	218.1	203.4	186.4	157.5	141.4	135.9	129.9	147.4	168.3
35°	271.7	270.3	263.4	241.8	219.5	197.5	185.7	167.9	173.1	183.6	216.0
37.5°	306.2	306.2	296.8	277.6	267.5	249.4	234.1	231.3	223.3	238.6	277.0
40°	325.7	327.8	329.9	323.3	313.5	305.9	297.5	291.9	295.1	302.4	341.4
42.5°	357.8	361.6	368.2	365.1	360.6	362.3	350.1	353.2	358.8	370.0	410.0
45°	404.5	407.6	414.9	420.5	428.1	424.0	401.0	417.3	429.2	436.5	479.0
47.5°	450.8	456.7	466.5	474.8	487.0	482.8	469.9	476.9	488.8	496.4	545.5
50°	491.2	496.8	507.2	519.8	525.0	535.1	530.2	533.7	547.6	553.9	602.0
52.5°	521.5	524.3	533.4	547.6	553.2	568.9	571.0	570.6	597.8	607.6	657.7
55°	537.5	540.3	549.0	560.2	567.5	588.7	586.7	592.6	633.0	651.4	714.5
57.5°	540.7	544.2	551.1	565.1	571.0	596.1	591.2	605.1	658.1	696.0	774.8
60°	534.7	538.6	544.5	557.7	566.1	590.1	597.5	616.6	683.5	744.5	851.8
62.5°	509.3	515.2	518.7	533.0	541.0	561.2	594.7	630.2	711.7	790.1	933.6
65°	470.3	473.4	478.3	488.8	498.2	518.4	563.0	614.5	719.0	818.7	981.4
66°	452.2	455.0	458.8	468.2	478.3	497.1	537.5	588.4	703.0	817.3	982.7
67.5°	417.0	418.4	425.4	432.7	443.8	455.7	486.7	537.2	655.6	782.1	956.6
70°	281.5	286.0	305.2	330.6	346.3	344.5	364.0	408.6	513.1	635.8	825.3
72.5°	132.4	133.8	136.2	146.3	204.1	216.0	229.6	267.9	346.6	442.8	602.3
75°	108.3	109.7	113.9	119.1	131.3	145.6	150.5	165.5	222.6	274.5	368.2
77.5°	36.9	38.0	40.8	48.4	74.2	93.0	109.7	136.6	167.6	195.1	241.4
80°	15.3	16.4	17.8	16.4	19.2	31.7	40.1	58.5	102.1	149.8	191.3
82.5°	8.4	8.7	9.8	9.1	11.1	14.6	15.7	17.1	24.7	50.2	107.3
85°	2.4	2.4	2.8	4.5	6.6	9.8	9.8	9.4	9.4	14.3	26.8
87.5°	0.7	0.7	1.0	1.4	2.1	3.5	4.2	4.2	4.5	5.9	8.7
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
2.5°	16.7	16.7	16.7	16.7	16.4	16.4	15.3	13.9	12.5	11.1	10.1
5°	18.8	17.8	17.4	17.4	16.4	16.4	16.0	15.0	11.5	9.8	8.7
7.5°	21.3	19.9	19.2	19.2	18.1	16.7	16.0	15.3	11.8	9.4	8.4
10°	33.4	27.9	24.0	23.0	21.6	19.9	18.8	18.8	13.9	11.1	10.1
12.5°	40.8	38.7	36.2	34.5	25.1	22.6	21.6	18.8	14.6	10.8	9.4
15°	46.7	43.5	40.8	40.1	39.7	30.3	26.1	23.7	17.1	13.9	11.5
17.5°	67.2	53.6	49.1	48.8	44.2	33.4	28.9	23.7	18.5	13.9	11.5
20°	71.1	65.8	58.5	59.9	60.6	53.0	41.5	32.4	24.4	18.5	13.9
22.5°	91.3	88.5	84.0	82.6	69.3	60.6	44.9	38.0	26.5	18.5	13.9
25°	104.5	102.8	108.7	107.6	100.0	84.3	61.7	45.3	33.1	21.3	15.7
27.5°	130.3	138.7	127.2	130.6	116.0	101.4	81.2	56.1	35.2	22.3	16.0
30°	148.1	159.9	167.6	165.5	146.7	118.1	90.2	63.4	38.3	22.3	16.7
32.5°	186.0	194.0	195.4	191.3	180.1	149.1	108.0	72.8	40.1	23.0	17.8
35°	221.2	241.4	241.1	241.8	219.5	183.6	130.6	78.4	42.8	23.0	17.8
37.5°	289.1	300.3	298.9	298.6	273.8	224.3	154.0	94.8	46.0	23.0	17.4
40°	354.6	368.2	367.9	364.0	337.9	273.1	193.3	108.0	49.1	23.7	16.4
42.5°	418.0	424.3	434.8	436.2	391.6	329.2	233.4	126.1	52.6	24.4	15.7
45°	484.2	477.3	497.1	495.7	454.6	388.8	267.5	147.4	58.2	23.7	14.6
47.5°	551.1	549.7	566.8	554.3	523.6	459.8	316.3	170.0	61.7	22.6	13.6
50°	610.3	621.5	622.9	604.4	588.7	529.5	380.8	200.3	68.6	20.9	12.9
52.5°	662.2	680.4	662.2	658.4	657.7	584.9	435.1	227.5	75.2	19.2	11.8
55°	727.0	740.3	730.5	731.9	738.9	679.0	502.0	277.6	86.7	17.4	10.8
57.5°	810.0	836.4	830.9	855.2	856.6	812.0	597.1	334.8	100.3	16.0	9.8
60°	920.0	985.2	1016.9	1044.1	1012.7	957.0	702.7	382.2	111.1	14.6	8.7
62.5°	1046.5	1153.8	1210.2	1240.9	1154.5	1035.3	745.5	402.4	113.6	12.9	7.7
65°	1119.0	1253.1	1328.3	1330.4	1247.9	1059.0	751.8	401.7	111.1	11.1	6.6
66°	1125.6	1266.0	1340.2	1333.9	1264.6	1061.8	747.6	395.4	108.7	10.5	6.3
67.5°	1101.5	1241.9	1315.4	1303.6	1254.5	1046.1	720.1	379.4	103.8	9.4	5.9
70°	976.1	1102.2	1176.8	1160.8	1164.2	953.8	604.4	323.6	90.6	7.7	5.2
72.5°	769.5	911.3	944.1	932.2	953.5	705.4	427.1	227.1	67.6	6.3	4.5
75°	516.3	658.1	680.7	671.3	604.4	355.3	169.7	95.8	35.2	5.2	3.8
77.5°	311.1	414.6	408.6	409.7	323.6	144.2	32.0	22.3	11.8	4.2	2.8
80°	227.5	287.8	299.6	306.9	254.0	94.4	17.8	13.2	7.0	3.1	2.1
82.5°	184.6	257.8	286.7	289.5	229.9	74.9	13.6	10.5	5.2	2.4	1.4
85°	50.5	131.7	162.7	154.3	97.9	25.4	9.8	7.0	3.5	1.7	1.4
87.5°	11.8	30.0	38.0	39.0	27.9	9.4	8.4	6.6	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°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
2.5°	9.8	9.4	9.1	8.7	8.7	8.4	8.4	8.4	8.0	8.4	8.4
5°	8.4	8.0	7.7	7.3	7.0	7.0	7.0	7.3	7.7	7.7	7.7
7.5°	8.0	7.3	7.0	7.0	7.0	4.9	3.5	3.1	3.1	3.1	3.5
10°	8.4	7.3	7.7	4.2	2.8	2.8	2.8	2.8	2.8	3.8	4.5
12.5°	8.7	8.0	4.5	4.2	3.8	3.5	4.2	3.8	3.8	4.2	4.2
15°	10.1	6.3	4.9	4.2	4.9	5.2	4.9	4.5	3.8	3.8	4.5
17.5°	8.4	6.3	5.6	6.3	6.3	5.2	4.5	5.2	5.2	4.9	4.5
20°	10.1	8.7	7.7	6.6	5.9	5.6	5.9	5.2	4.9	4.9	5.2
22.5°	10.8	9.4	9.8	8.7	8.0	6.3	5.9	5.2	5.6	5.2	5.2
25°	13.2	13.2	11.5	9.1	8.4	7.3	7.0	5.6	5.6	4.9	5.2
27.5°	14.3	12.9	11.5	10.5	9.4	7.3	7.0	5.9	5.2	5.2	4.5
30°	15.0	13.2	11.8	10.5	9.1	8.0	7.0	5.9	5.2	4.9	4.9
32.5°	16.0	13.9	11.5	9.8	8.7	7.3	7.0	5.6	4.9	4.2	4.2
35°	15.0	12.9	11.1	9.8	8.0	7.0	6.3	5.2	4.2	4.2	3.8
37.5°	13.9	11.8	10.1	9.1	7.7	6.3	5.6	4.5	3.8	3.5	3.5
40°	13.2	11.1	9.4	8.0	6.6	5.6	4.9	3.8	3.1	2.8	2.8
42.5°	12.2	10.1	8.4	7.0	5.9	4.9	4.2	3.1	2.4	2.1	2.1
45°	11.5	9.4	7.7	6.3	4.9	4.2	3.1	2.4	1.7	1.4	1.4
47.5°	10.8	8.7	6.6	5.2	4.2	3.5	2.4	1.7	1.0	1.0	0.7
50°	9.8	7.7	5.9	4.5	3.5	2.8	1.7	1.0	0.7	0.3	0.3
52.5°	9.1	6.6	5.2	3.8	2.8	2.1	1.4	0.7	0.3	0.3	0.3
55°	8.0	5.9	4.5	3.1	2.4	1.4	0.7	0.3	0.3	0.3	0.3
57.5°	7.0	4.9	3.8	2.8	1.7	1.0	0.7	0.3	0.3	0.3	0.0
60°	5.9	4.2	3.1	2.1	1.4	0.7	0.3	0.3	0.3	0.3	0.0
62.5°	5.2	3.5	2.4	1.7	1.0	0.7	0.3	0.3	0.3	0.3	0.0
65°	4.5	2.8	2.1	1.4	0.7	0.7	0.3	0.3	0.3	0.3	0.0
66°	4.2	2.8	1.7	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.0
67.5°	3.8	2.4	1.7	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3
70°	3.5	2.1	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	3.1	1.7	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3
75°	2.1	1.0	1.0	0.7	0.7	0.7	0.3	0.7	0.7	0.7	0.7
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°	1.4	1.0	1.0	1.0	1.0	1.0	0.3	1.0	1.0	1.0	0.7
82.5°	1.0	1.0	1.0	1.0	1.4	1.4	0.3	1.4	1.4	1.0	1.0
85°	1.0	1.0	1.0	1.4	1.4	1.7	0.3	1.4	1.4	1.4	1.4
87.5°	1.0	1.4	1.4	1.4	1.7	1.7	0.7	1.7	1.7	1.7	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°	12.9	12.9	12.9	12.9	12.9
2.5°	8.4	8.7	8.7	9.1	9.1
5°	7.0	7.0	6.3	6.3	5.9
7.5°	3.5	3.5	3.8	3.8	3.8
10°	4.9	5.2	5.2	5.2	5.6
12.5°	4.2	4.5	4.9	4.9	4.9
15°	4.9	5.2	5.6	5.6	5.6
17.5°	4.5	4.5	4.9	4.9	5.2
20°	5.2	5.2	5.2	5.2	5.2
22.5°	4.5	4.5	5.2	5.6	5.6
25°	5.2	4.9	4.9	5.2	4.9
27.5°	4.5	4.9	5.2	5.2	5.2
30°	4.5	4.5	4.5	4.5	4.9
32.5°	4.5	4.5	4.5	4.5	4.5
35°	3.8	4.2	4.2	4.5	4.5
37.5°	3.5	3.5	3.8	3.8	3.8
40°	2.8	2.8	2.8	3.1	3.1
42.5°	2.1	2.1	2.1	2.4	2.1
45°	1.4	1.4	1.4	1.4	1.4
47.5°	0.7	0.7	1.0	1.0	1.0
50°	0.3	0.3	0.7	0.7	0.7
52.5°	0.3	0.3	0.3	0.7	0.7
55°	0.3	0.3	0.3	0.3	0.7
57.5°	0.0	0.3	0.3	0.3	0.3
60°	0.0	0.3	0.3	0.3	0.3
62.5°	0.0	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.7
72.5°	0.3	0.3	0.7	0.3	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	1.0	1.0	0.7	0.7
82.5°	1.0	1.0	1.0	1.0	0.7
85°	1.0	1.0	1.4	1.4	0.7
87.5°	1.4	1.4	1.4	1.4	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)