

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: P157153

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157153
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1878 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - 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



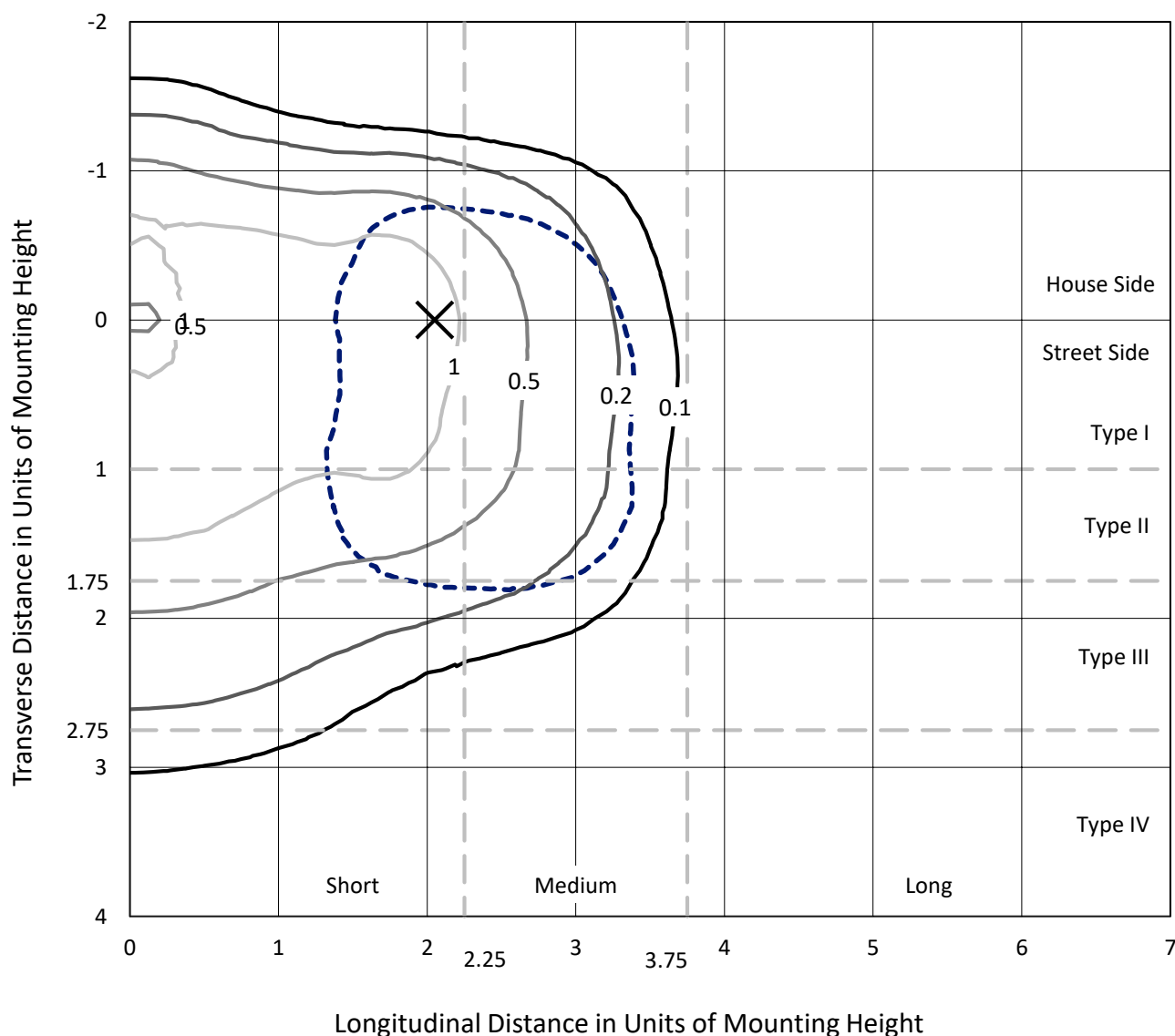
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

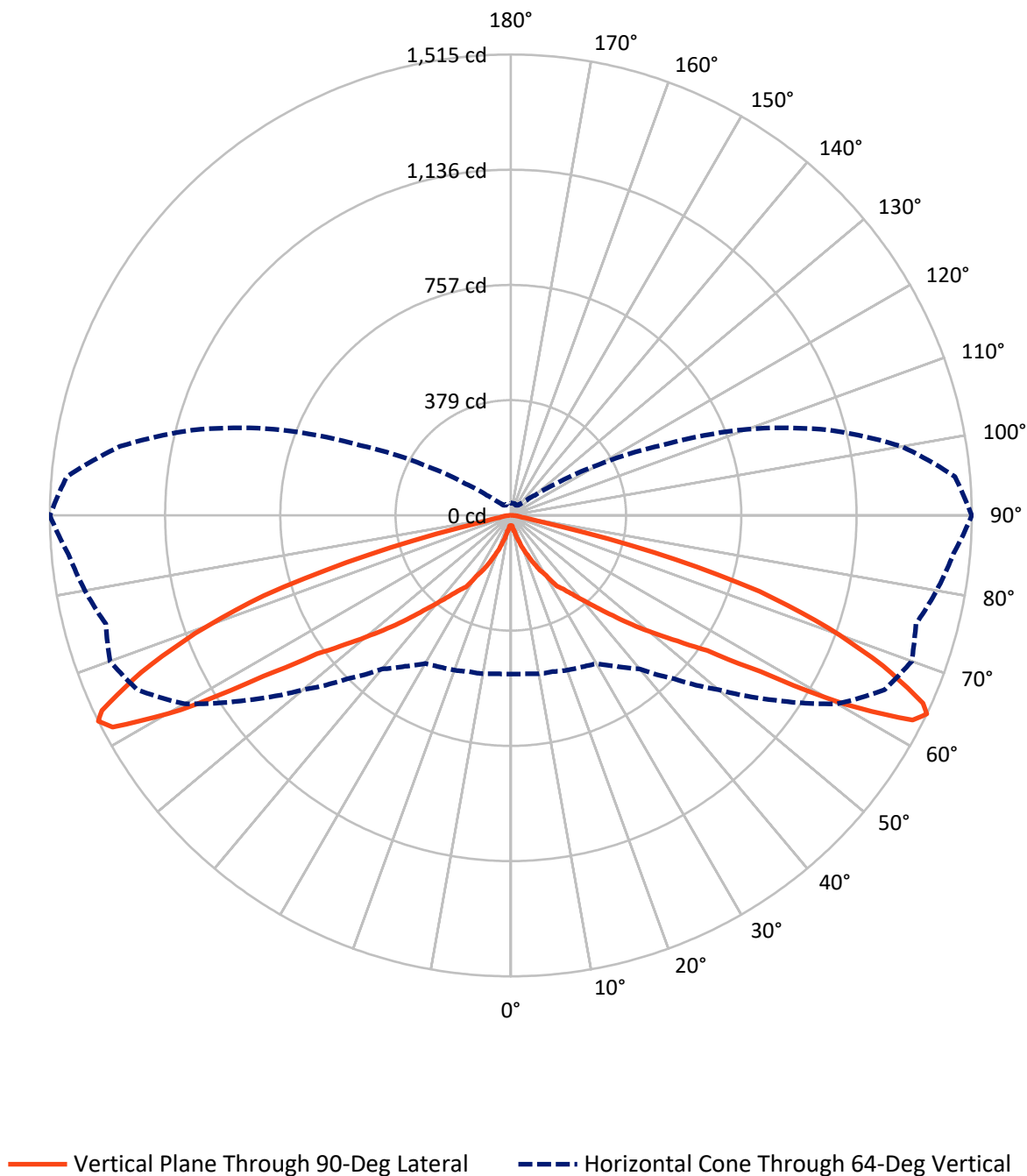


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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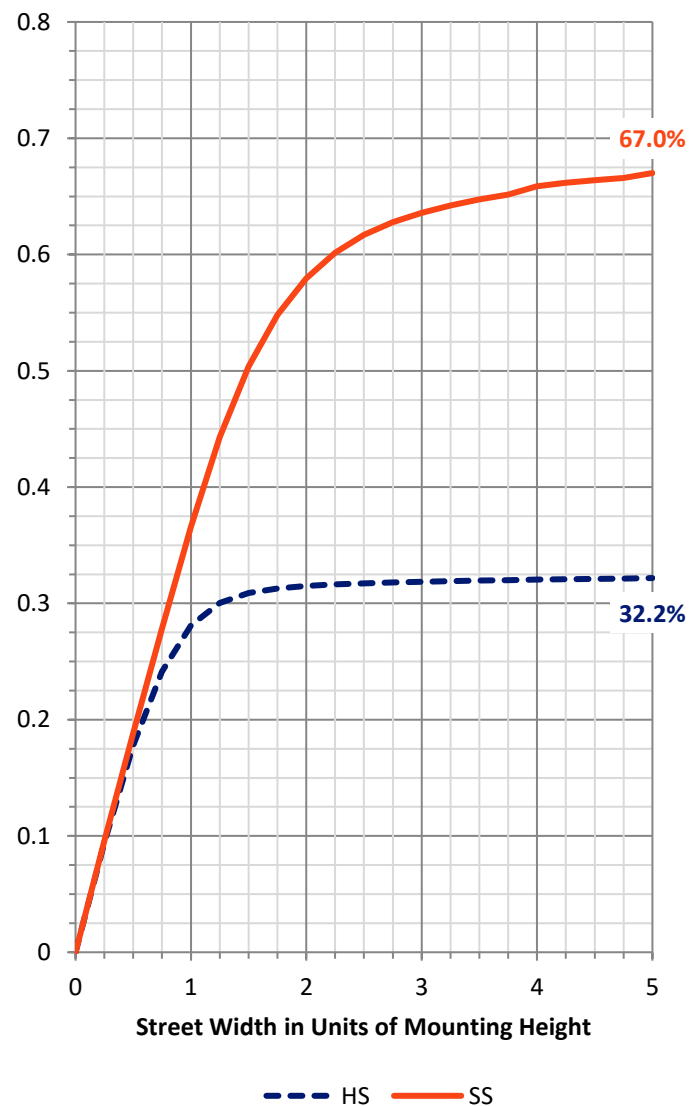
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.3	0.0	610.3
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1267.7	0.0	1267.7
	% Fixture	67.5	0.0	67.5
Total	Lumens	1878.0	0.0	1878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.2
10°-20°	24.7	1.3
20°-30°	72.7	3.9
30°-40°	153.7	8.2
40°-50°	269.4	14.3
50°-60°	429.0	22.8
60°-70°	601.7	32.0
70°-80°	272.5	14.5
80°-90°	49.8	2.6
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°	1878.0	100.0
0°-180°	1878.0	100.0

Coefficient of Utilization



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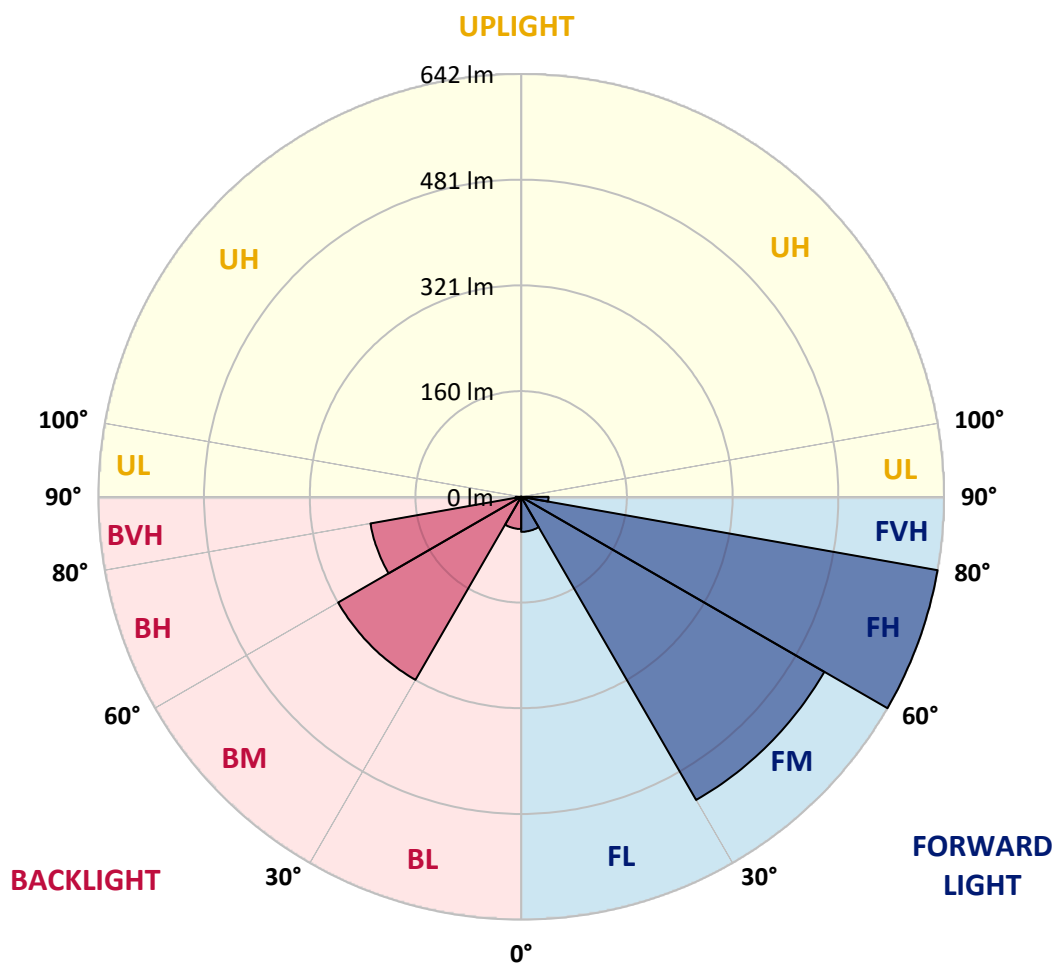
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.1	2.8			
FM	(30°-60°)	531.3	28.3			
FH	(60°-80°)	641.8	34.2			G0/660
FVH	(80°-90°)	41.5	2.2			G1/100
BL	(0°-30°)	48.8	2.6	B0/110		
BM	(30°-60°)	320.8	17.1	B1/1000		
BH	(60°-80°)	232.4	12.4	B1/500		G1/500
BVH	(80°-90°)	8.3	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	54.3	55.0	54.7	55.0	55.4	55.0	55.0	54.7	55.0	55.4	55.4
5°	44.2	44.6	44.6	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6
7.5°	66.2	66.5	66.9	66.2	66.2	66.5	65.8	56.4	45.6	44.9	44.2
10°	66.2	66.5	66.5	65.8	66.2	66.5	66.5	66.2	64.1	63.8	63.8
12.5°	85.0	85.4	85.7	85.7	85.7	83.3	80.1	67.2	65.5	82.6	84.0
15°	86.0	86.0	86.0	84.7	84.7	83.3	84.3	99.6	98.6	86.7	85.4
17.5°	105.9	105.9	105.9	105.6	103.1	103.1	103.8	100.3	100.7	101.0	119.1
20°	128.9	129.6	120.2	110.1	106.3	118.4	118.8	116.7	128.2	114.3	120.2
22.5°	134.8	134.8	134.5	131.3	132.0	140.4	135.2	130.6	133.4	126.1	136.2
25°	160.2	160.2	158.2	155.4	151.2	147.4	151.5	150.8	144.6	143.9	160.6
27.5°	171.7	166.9	165.8	162.3	171.7	169.7	173.1	157.5	170.7	167.6	176.6
30°	197.2	196.8	193.3	196.5	196.5	188.5	182.2	189.5	192.3	186.4	206.9
32.5°	233.4	233.1	228.9	226.4	209.4	207.6	211.5	212.5	212.2	213.9	220.2
35°	272.8	272.4	249.4	244.9	238.6	237.2	236.9	231.3	237.9	229.6	246.3
37.5°	298.9	301.7	288.4	285.3	277.3	268.2	260.9	264.4	256.4	255.4	267.5
40°	351.2	352.2	340.4	330.6	323.6	303.1	295.8	293.7	290.9	287.4	303.8
42.5°	400.3	398.9	388.4	380.8	372.1	352.2	330.9	328.5	327.8	324.7	339.0
45°	448.0	449.0	436.9	433.4	419.4	406.9	377.6	378.0	375.9	372.4	385.3
47.5°	491.5	494.0	487.4	476.6	465.4	455.3	433.0	431.6	426.8	427.8	443.1
50°	528.1	532.7	526.4	518.4	508.3	501.3	488.4	485.3	482.5	485.3	502.0
52.5°	553.2	557.0	559.5	549.4	549.4	540.3	536.1	533.0	534.0	542.4	562.3
55°	565.7	569.2	574.5	567.5	582.8	569.6	565.7	570.3	577.2	592.2	620.4
57.5°	565.7	567.8	574.5	575.9	584.9	575.5	582.5	592.2	607.2	633.3	673.0
60°	553.9	555.6	563.7	564.7	573.1	571.0	576.9	604.8	626.7	669.9	733.7
62.5°	535.1	536.1	543.8	545.9	554.6	558.8	567.8	608.3	647.3	722.5	824.9
64°	521.5	522.2	528.5	531.6	541.4	549.4	561.9	605.5	658.8	759.4	891.8
65°	512.1	512.1	519.8	521.2	530.9	541.4	554.9	598.8	659.5	773.4	920.7
67.5°	475.2	473.4	481.1	484.6	488.4	496.8	505.1	550.8	618.4	751.4	913.1
70°	412.8	408.6	412.5	409.7	407.6	403.8	399.6	431.3	479.4	613.1	773.4
72.5°	289.5	289.5	286.4	293.0	297.9	302.7	286.0	289.8	316.0	402.4	545.2
75°	194.4	196.5	202.1	218.1	233.8	248.0	253.6	254.0	232.0	238.6	330.9
77.5°	115.3	119.8	124.0	142.8	163.0	193.0	219.5	245.3	251.2	247.7	239.7
80°	51.9	53.3	59.2	66.5	79.1	99.6	138.3	179.4	226.1	249.4	244.6
82.5°	17.8	19.5	23.3	27.9	33.1	42.2	62.7	84.7	129.2	183.2	227.8
85°	5.9	6.6	9.1	12.5	13.9	16.0	21.3	31.4	51.2	72.1	137.3
87.5°	2.4	3.1	4.2	6.3	7.0	7.0	7.3	9.4	9.4	9.4	37.6
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	45.6	42.2	37.3	36.2	34.8	34.5	34.1	34.1	33.8	34.1	34.1
5°	48.8	51.6	53.6	52.3	38.7	36.9	34.1	33.8	34.1	34.1	35.9
7.5°	44.2	44.2	42.2	48.4	48.8	36.2	33.4	34.1	34.5	34.8	40.4
10°	47.7	60.6	60.3	61.3	70.0	68.6	51.2	50.2	50.5	53.0	70.0
12.5°	85.0	78.7	62.0	64.8	64.1	71.1	54.7	52.6	54.0	67.2	65.5
15°	85.4	97.9	100.0	88.1	83.6	88.5	79.8	75.9	73.5	87.4	75.2
17.5°	101.4	100.3	102.4	94.4	89.2	87.8	96.1	94.1	90.2	84.0	78.0
20°	112.2	119.8	122.3	138.0	128.5	124.7	127.5	120.2	116.0	117.7	117.4
22.5°	137.6	148.4	140.4	143.5	146.3	156.1	152.6	141.4	144.2	144.9	140.4
25°	145.6	163.4	174.9	180.8	182.9	176.6	185.3	172.4	176.6	170.7	174.9
27.5°	180.5	181.5	190.6	188.5	202.8	210.1	209.7	202.8	204.5	208.0	212.5
30°	190.6	194.4	212.5	218.8	226.8	232.4	225.7	228.5	223.3	230.6	231.7
32.5°	222.3	218.8	225.4	251.9	270.3	279.7	270.3	275.9	270.0	272.4	260.2
35°	241.1	257.4	262.0	274.5	288.4	301.7	298.9	297.9	297.2	302.0	276.6
37.5°	279.7	283.2	285.7	301.7	314.2	331.6	332.3	328.5	335.1	321.2	299.2
40°	305.2	310.7	313.9	324.7	350.1	364.0	374.5	366.8	376.2	348.4	332.7
42.5°	343.1	340.7	346.3	363.0	394.4	402.7	417.3	412.5	426.8	396.8	365.8
45°	393.0	390.9	391.9	402.7	445.2	451.1	465.8	469.6	476.6	439.3	407.6
47.5°	449.0	450.1	450.1	460.9	495.7	507.6	524.3	535.8	533.4	484.6	452.9
50°	512.1	517.0	509.7	524.6	550.8	572.0	581.4	606.2	597.1	547.6	512.4
52.5°	581.8	589.8	583.2	595.7	620.4	647.3	662.9	686.3	670.6	629.2	567.1
55°	650.8	664.7	672.3	685.9	717.6	743.1	750.0	783.1	761.2	720.4	627.1
57.5°	723.2	752.8	780.3	798.8	852.1	881.7	896.7	968.5	941.6	898.4	754.2
60°	816.9	906.8	981.7	1023.2	1093.5	1123.8	1183.8	1259.7	1240.5	1176.8	982.0
62.5°	970.6	1130.5	1244.7	1298.0	1314.7	1354.1	1410.2	1482.0	1452.3	1305.3	1101.9
64°	1058.3	1238.8	1354.8	1401.8	1378.1	1421.3	1459.7	1514.7	1464.9	1304.3	1083.4
65°	1095.6	1279.2	1390.3	1434.9	1387.2	1422.7	1454.4	1488.9	1426.6	1270.1	1038.1
67.5°	1105.0	1282.0	1381.3	1407.8	1328.7	1318.2	1323.4	1320.0	1236.4	1093.5	886.6
70°	963.6	1133.2	1272.2	1306.0	1200.1	1144.0	1141.3	1107.8	1022.8	910.3	730.2
72.5°	744.1	892.2	1029.8	1075.4	975.4	931.2	920.7	854.9	784.2	680.0	550.1
75°	504.1	623.9	664.0	666.8	586.7	563.0	547.6	488.1	426.8	382.2	322.6
77.5°	296.1	345.6	309.0	272.1	213.2	151.2	112.5	93.7	102.4	102.1	96.1
80°	250.5	235.1	190.2	147.4	105.9	59.9	43.5	36.9	37.6	38.3	37.6
82.5°	269.3	286.7	243.2	172.8	129.6	76.3	36.9	26.5	30.3	33.4	32.0
85°	228.2	279.7	260.6	186.7	139.0	80.1	26.1	17.4	22.3	27.5	29.3
87.5°	88.5	129.2	104.9	72.1	48.4	26.8	15.3	12.5	15.7	21.9	24.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
2.5°	34.5	35.5	37.3	37.3	36.2	37.3	42.2	48.1	51.6	54.3	57.5
5°	35.9	47.0	54.7	55.7	54.3	39.4	36.6	36.6	38.0	39.4	36.2
7.5°	50.2	47.7	33.4	35.5	35.9	36.2	35.9	36.9	37.3	49.5	56.4
10°	57.1	51.9	50.5	42.2	39.4	55.0	55.0	55.4	57.5	57.8	57.5
12.5°	55.7	53.3	53.6	71.4	77.0	73.5	59.6	55.0	57.5	65.8	73.9
15°	74.6	79.4	84.3	73.9	77.3	74.9	88.1	91.6	75.6	74.6	77.0
17.5°	79.4	95.8	96.5	92.3	104.2	93.0	90.6	91.6	90.2	83.6	94.4
20°	131.0	121.9	113.6	104.2	112.9	109.4	107.3	108.3	107.3	107.6	95.1
22.5°	139.0	135.2	142.5	138.7	130.6	121.9	125.4	123.3	111.8	124.0	114.6
25°	180.8	178.0	162.3	144.6	156.8	138.7	130.3	138.7	136.6	127.2	127.2
27.5°	190.2	189.5	186.7	189.9	166.9	157.1	167.2	143.2	144.6	147.7	147.0
30°	220.2	219.8	196.5	199.3	197.9	180.8	174.2	176.6	160.2	157.5	163.7
32.5°	252.2	231.3	225.0	227.1	210.8	199.6	196.1	182.5	176.3	173.1	163.0
35°	266.2	265.5	259.9	240.0	233.8	212.9	209.7	194.0	188.1	186.0	180.8
37.5°	284.6	283.9	278.0	267.5	252.6	227.8	217.0	206.6	193.3	185.0	191.6
40°	309.4	304.1	298.2	281.1	260.6	238.3	223.0	204.8	196.5	188.5	197.9
42.5°	353.2	329.9	315.3	293.7	266.2	239.3	222.3	204.8	188.8	186.4	187.8
45°	391.9	354.6	329.6	301.7	268.6	237.2	215.6	195.8	184.6	175.2	174.9
47.5°	425.7	382.9	342.8	308.0	267.2	231.7	205.9	184.6	170.7	161.6	157.5
50°	457.4	412.5	356.4	310.0	261.3	220.9	192.0	169.3	151.9	141.8	140.7
52.5°	489.1	433.4	367.9	306.9	249.8	204.5	171.7	147.7	128.9	120.5	118.8
55°	534.0	445.2	373.8	295.8	231.7	182.2	147.7	122.3	103.5	99.3	96.8
57.5°	628.5	483.9	379.7	278.3	204.8	153.3	119.5	97.5	83.6	79.4	77.3
60°	780.3	557.7	393.3	251.9	168.3	120.9	91.3	73.2	63.8	61.3	60.3
62.5°	851.8	577.2	372.4	211.8	128.9	86.0	64.1	51.6	46.7	46.0	46.7
64°	829.1	544.2	332.0	180.8	102.8	66.5	49.5	41.1	38.3	38.0	39.4
65°	789.1	506.5	301.3	159.6	85.4	55.0	41.5	35.5	33.4	34.1	35.2
67.5°	651.8	391.6	204.1	95.5	49.5	33.8	28.2	25.4	25.8	26.5	27.9
70°	509.0	262.3	111.1	49.5	29.6	23.0	21.3	20.2	20.9	21.9	23.3
72.5°	349.1	146.7	53.0	28.2	21.9	18.5	18.1	17.8	18.5	19.5	20.9
75°	182.9	61.3	30.0	22.3	19.2	16.7	17.1	16.7	17.4	18.5	19.5
77.5°	57.8	33.1	25.1	20.6	18.1	15.7	16.0	16.4	17.1	17.8	18.5
80°	31.4	27.5	22.6	19.2	17.1	14.6	15.3	15.7	16.7	17.1	17.1
82.5°	28.6	24.0	19.9	17.4	16.4	14.3	15.7	15.7	15.7	15.7	15.7
85°	25.1	19.5	16.4	15.3	15.3	13.6	14.6	14.6	13.9	13.9	13.2
87.5°	19.5	14.3	13.9	15.3	14.3	9.8	12.5	11.8	10.8	10.8	10.5
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):

	165°	170°	175°	180°
0°	34.5	34.5	34.5	34.5
2.5°	57.1	57.5	56.1	56.1
5°	35.9	36.2	35.9	35.9
7.5°	58.5	57.8	59.9	57.8
10°	58.9	57.1	56.8	57.1
12.5°	76.6	76.6	77.0	77.0
15°	76.6	76.3	77.0	76.6
17.5°	96.1	96.8	97.2	96.8
20°	97.2	97.5	100.3	98.2
22.5°	115.3	117.4	117.4	117.1
25°	120.2	135.5	138.7	138.3
27.5°	138.0	139.7	140.0	139.7
30°	157.1	157.8	159.6	158.9
32.5°	165.5	176.6	178.7	178.0
35°	179.4	176.3	183.6	190.9
37.5°	187.8	186.7	188.5	188.1
40°	195.4	197.2	199.3	197.5
42.5°	188.1	187.1	188.1	187.4
45°	173.1	173.5	172.8	172.1
47.5°	154.3	154.3	153.6	153.6
50°	134.5	135.2	132.4	132.7
52.5°	113.6	114.3	112.2	110.1
55°	94.1	94.4	91.6	90.9
57.5°	75.9	77.0	74.6	73.5
60°	60.3	60.6	59.9	59.9
62.5°	47.7	47.0	46.3	46.7
64°	40.4	40.8	39.7	40.4
65°	36.2	36.9	36.2	36.9
67.5°	28.9	30.0	29.6	30.0
70°	24.7	25.1	24.7	24.7
72.5°	21.9	22.3	21.6	21.3
75°	20.6	20.2	19.9	19.5
77.5°	18.8	18.8	18.1	17.8
80°	16.7	16.4	15.7	15.0
82.5°	15.3	14.6	12.9	11.8
85°	12.9	11.8	9.8	7.7
87.5°	10.5	9.4	5.9	3.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)