

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: P157156

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157156
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-T3-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2283.3 lumens
Efficiency: N/A
Efficacy: 88.2 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

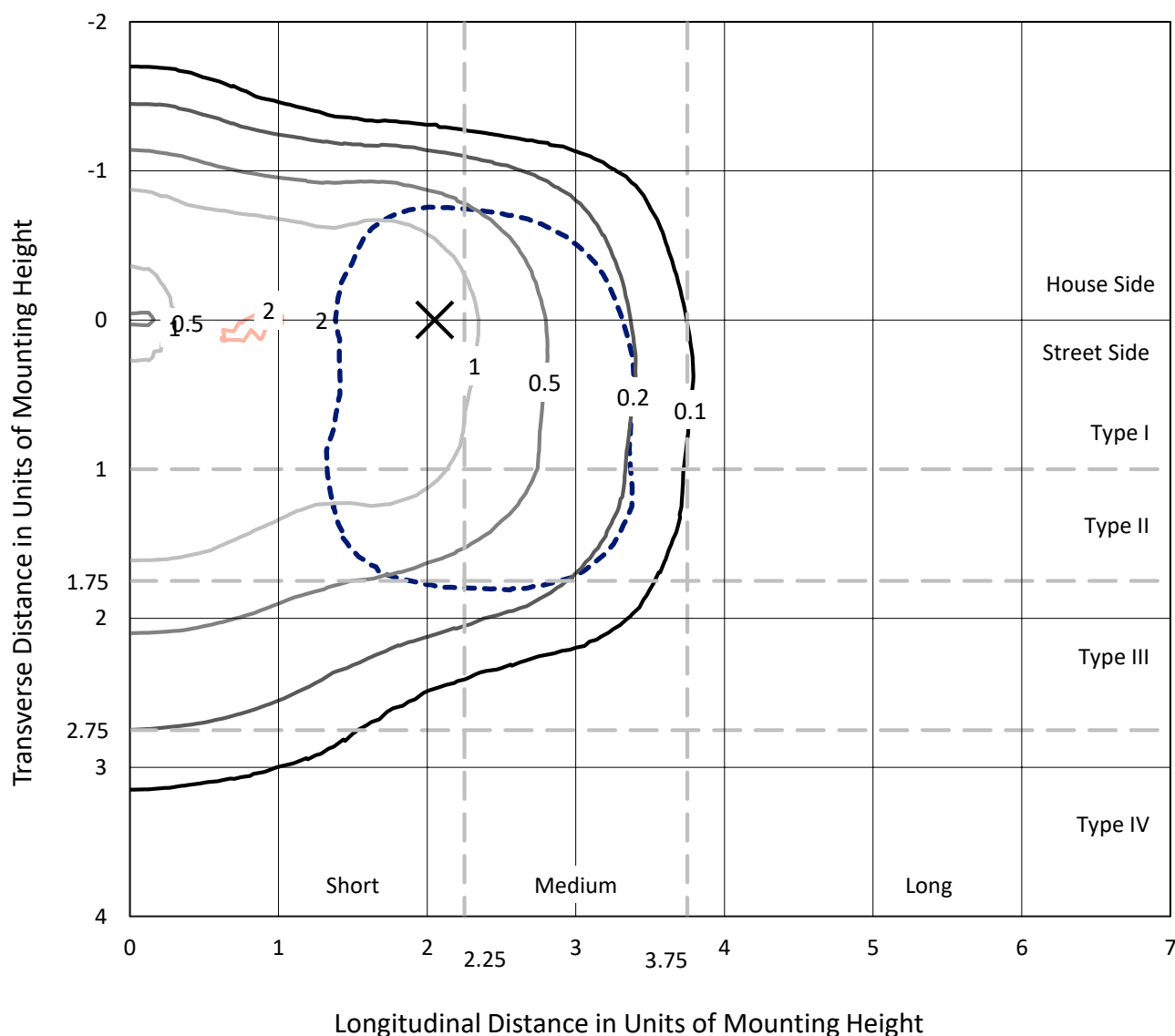


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

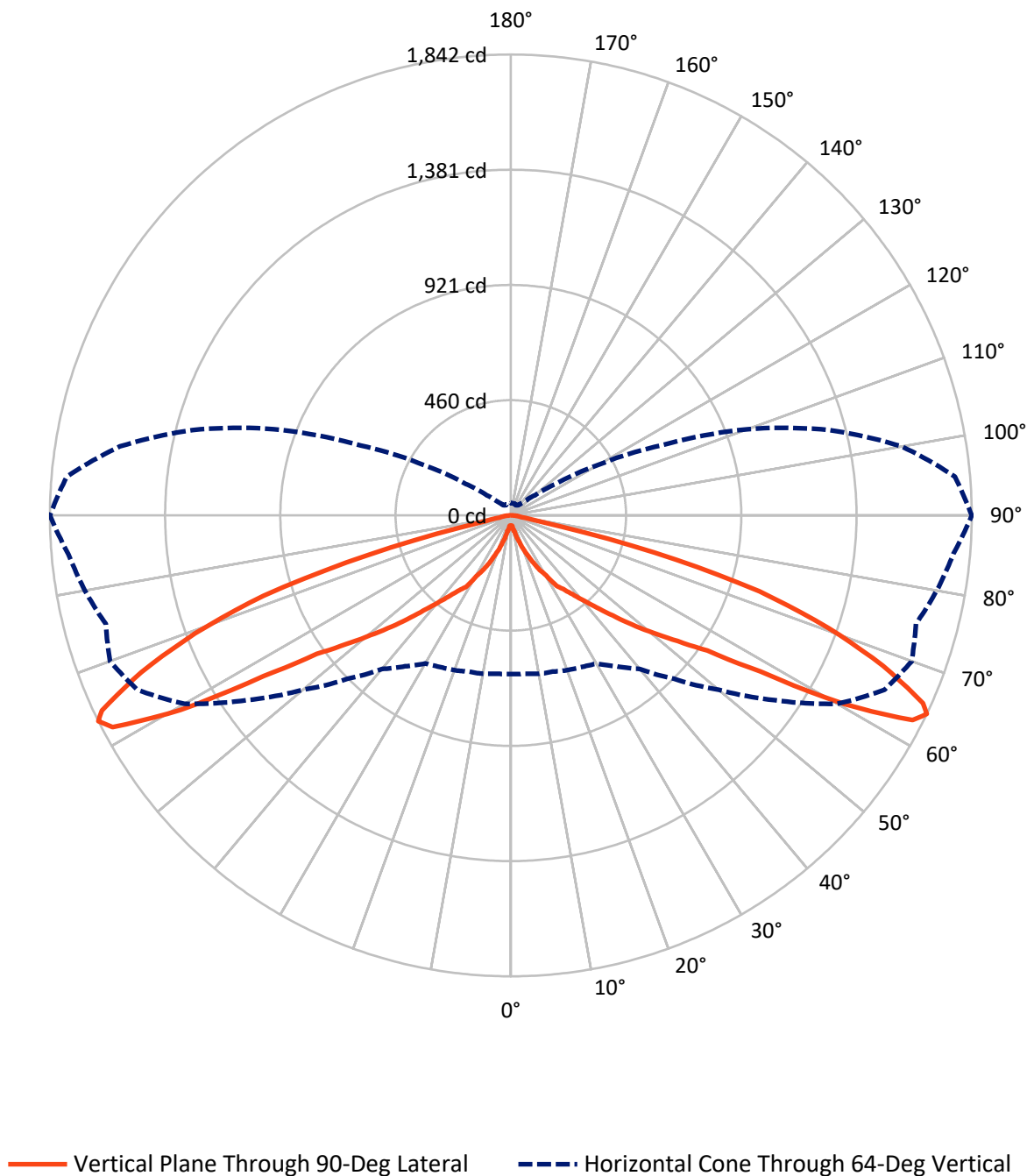


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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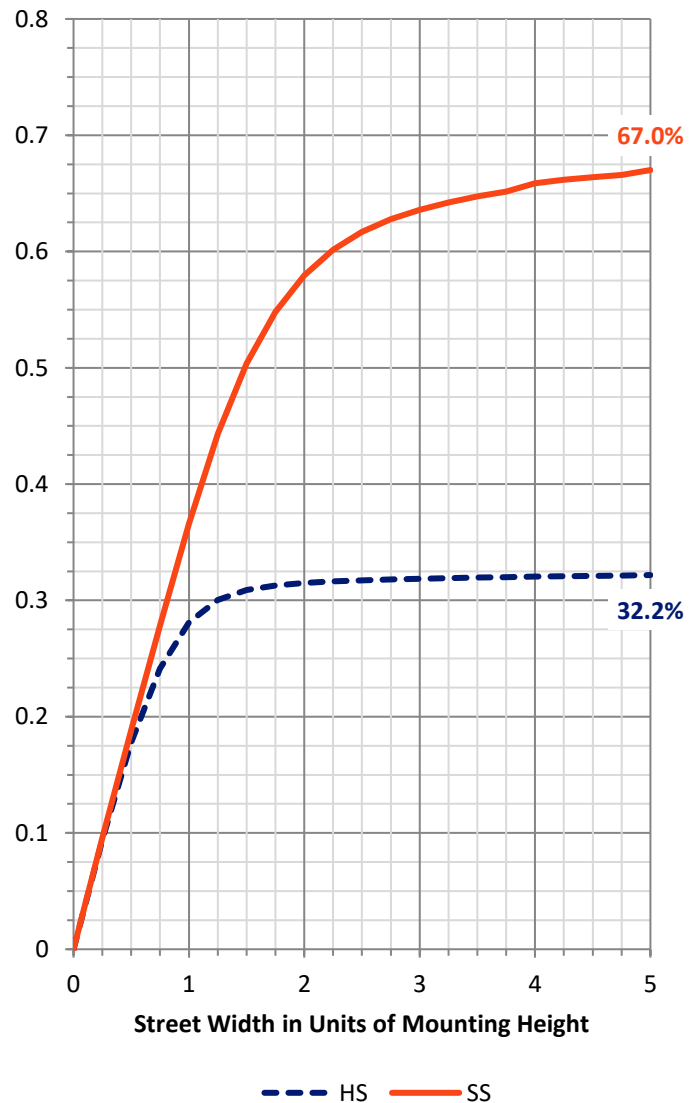
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.0	0.0	742.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1541.2	0.0	1541.2
	% Fixture	67.5	0.0	67.5
Total	Lumens	2283.3	0.0	2283.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.2
10°-20°	30.0	1.3
20°-30°	88.4	3.9
30°-40°	186.8	8.2
40°-50°	327.5	14.3
50°-60°	521.6	22.8
60°-70°	731.5	32.0
70°-80°	331.3	14.5
80°-90°	60.5	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°	2283.3	100.0
0°-180°	2283.3	100.0

Coefficient of Utilization



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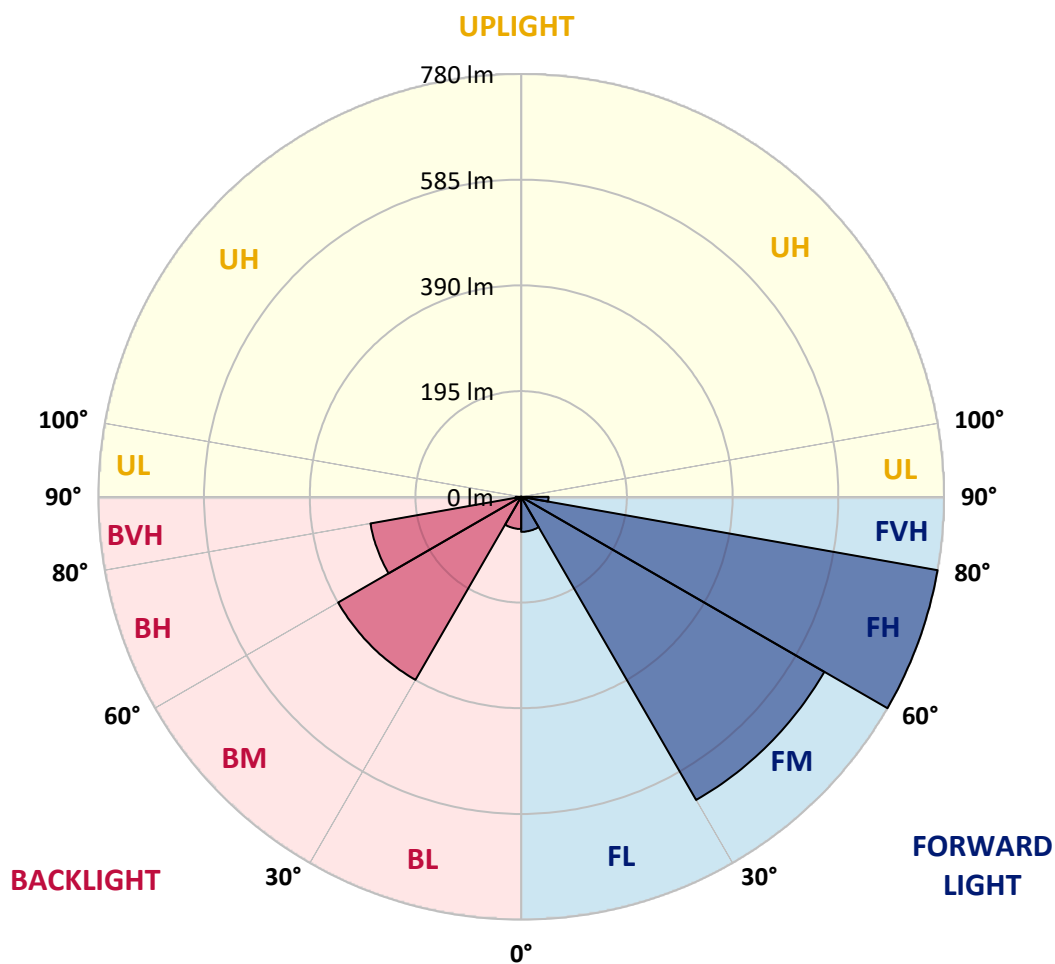
CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.6	2.8			
FM	(30°-60°)	646.0	28.3			
FH	(60°-80°)	780.3	34.2			G1/1800
FVH	(80°-90°)	50.4	2.2			G1/100
BL	(0°-30°)	59.4	2.6	B0/110		
BM	(30°-60°)	390.0	17.1	B1/1000		
BH	(60°-80°)	282.5	12.4	B1/500		G1/500
BVH	(80°-90°)	10.1	0.4			G1/100
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°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	66.1	66.9	66.5	66.9	67.3	66.9	66.9	66.5	66.9	67.3	67.3
5°	53.8	54.2	54.2	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
7.5°	80.5	80.9	81.3	80.5	80.5	80.9	80.0	68.6	55.5	54.6	53.8
10°	80.5	80.9	80.9	80.0	80.5	80.9	80.9	80.5	77.9	77.5	77.5
12.5°	103.3	103.8	104.2	104.2	104.2	101.2	97.4	81.7	79.6	100.4	102.1
15°	104.6	104.6	104.6	102.9	102.9	101.2	102.5	121.1	119.9	105.5	103.8
17.5°	128.8	128.8	128.8	128.3	125.4	125.4	126.2	122.0	122.4	122.8	144.8
20°	156.7	157.6	146.1	133.8	129.2	144.0	144.4	141.9	155.9	138.9	146.1
22.5°	163.9	163.9	163.5	159.7	160.5	170.7	164.3	158.8	162.2	153.3	165.6
25°	194.8	194.8	192.3	188.9	183.8	179.2	184.2	183.4	175.8	174.9	195.3
27.5°	208.8	202.9	201.6	197.4	208.8	206.3	210.5	191.4	207.5	203.7	214.7
30°	239.7	239.3	235.1	238.9	238.9	229.1	221.5	230.4	233.8	226.6	251.6
32.5°	283.8	283.3	278.3	275.3	254.5	252.4	257.1	258.4	257.9	260.1	267.7
35°	331.6	331.2	303.3	297.7	290.1	288.4	288.0	281.2	289.3	279.1	299.4
37.5°	363.4	366.8	350.7	346.9	337.1	326.1	317.2	321.5	311.7	310.5	325.3
40°	426.9	428.2	413.8	401.9	393.5	368.5	359.6	357.0	353.7	349.4	369.3
42.5°	486.6	485.0	472.2	462.9	452.3	428.2	402.4	399.4	398.5	394.7	412.1
45°	544.7	545.9	531.1	526.9	509.9	494.7	459.1	459.5	457.0	452.8	468.4
47.5°	597.6	600.6	592.5	579.4	565.8	553.6	526.5	524.8	518.8	520.1	538.7
50°	642.1	647.6	640.0	630.2	617.9	609.5	593.8	590.0	586.6	590.0	610.3
52.5°	672.6	677.2	680.2	667.9	667.9	656.9	651.8	648.0	649.3	659.4	683.6
55°	687.8	692.1	698.4	689.9	708.6	692.5	687.8	693.3	701.8	720.0	754.3
57.5°	687.8	690.4	698.4	700.1	711.1	699.7	708.2	720.0	738.2	770.0	818.3
60°	673.4	675.5	685.3	686.6	696.7	694.2	701.4	735.3	761.9	814.5	892.0
62.5°	650.6	651.8	661.1	663.7	674.3	679.4	690.4	739.5	786.9	878.4	1002.9
64°	634.0	634.9	642.5	646.3	658.2	667.9	683.2	736.1	800.9	923.3	1084.3
65°	622.6	622.6	631.9	633.6	645.5	658.2	674.7	728.1	801.8	940.3	1119.4
67.5°	577.7	575.6	584.9	589.1	593.8	604.0	614.1	669.6	751.8	913.6	1110.1
70°	501.9	496.8	501.5	498.1	495.5	490.9	485.8	524.3	582.8	745.4	940.3
72.5°	352.0	352.0	348.1	356.2	362.1	368.1	347.7	352.4	384.1	489.2	662.8
75°	236.3	238.9	245.7	265.1	284.2	301.6	308.3	308.8	282.1	290.1	402.4
77.5°	140.2	145.7	150.8	173.7	198.2	234.6	266.8	298.2	305.4	301.1	291.4
80°	63.1	64.8	72.0	80.9	96.1	121.1	168.1	218.1	274.9	303.3	297.3
82.5°	21.6	23.7	28.4	33.9	40.2	51.2	76.2	102.9	157.1	222.8	277.0
85°	7.2	8.0	11.0	15.2	16.9	19.5	25.8	38.1	62.3	87.7	166.9
87.5°	3.0	3.8	5.1	7.6	8.5	8.5	8.9	11.4	11.4	11.4	45.7
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	55.5	51.2	45.3	44.0	42.4	41.9	41.5	41.5	41.1	41.5	41.5
5°	59.3	62.7	65.2	63.5	47.0	44.9	41.5	41.1	41.5	41.5	43.6
7.5°	53.8	53.8	51.2	58.9	59.3	44.0	40.7	41.5	41.9	42.4	49.1
10°	58.0	73.7	73.3	74.5	85.1	83.4	62.3	61.0	61.4	64.4	85.1
12.5°	103.3	95.7	75.4	78.8	77.9	86.4	66.5	64.0	65.6	81.7	79.6
15°	103.8	119.0	121.6	107.2	101.6	107.6	97.0	92.3	89.4	106.3	91.5
17.5°	123.2	122.0	124.5	114.8	108.4	106.7	116.9	114.4	109.7	102.1	94.9
20°	136.4	145.7	148.7	167.7	156.3	151.6	155.0	146.1	141.0	143.2	142.7
22.5°	167.3	180.4	170.7	174.5	177.9	189.7	185.5	172.0	175.3	176.2	170.7
25°	177.0	198.6	212.6	219.8	222.4	214.7	225.3	209.7	214.7	207.5	212.6
27.5°	219.4	220.7	231.7	229.1	246.5	255.4	255.0	246.5	248.6	252.9	258.4
30°	231.7	236.3	258.4	266.0	275.7	282.5	274.5	277.8	271.5	280.4	281.7
32.5°	270.2	266.0	274.0	306.2	328.7	340.1	328.7	335.4	328.2	331.2	316.4
35°	293.1	313.0	318.5	333.7	350.7	366.8	363.4	362.1	361.3	367.2	336.3
37.5°	340.1	344.3	347.3	366.8	382.0	403.2	404.1	399.4	407.4	390.5	363.8
40°	371.0	377.8	381.6	394.7	425.7	442.6	455.3	446.0	457.4	423.5	404.5
42.5°	417.2	414.2	421.0	441.3	479.4	489.6	507.4	501.5	518.8	482.4	444.7
45°	477.8	475.2	476.5	489.6	541.3	548.5	566.3	570.9	579.4	534.1	495.5
47.5°	545.9	547.2	547.2	560.3	602.7	617.1	637.4	651.4	648.4	589.1	550.6
50°	622.6	628.5	619.6	637.8	669.6	695.4	706.9	737.0	725.9	665.8	623.0
52.5°	707.3	717.0	709.0	724.2	754.3	786.9	806.0	834.4	815.3	764.9	689.5
55°	791.2	808.1	817.4	833.9	872.5	903.4	911.9	952.1	925.4	875.9	762.4
57.5°	879.3	915.3	948.7	971.2	1036.0	1072.0	1090.2	1177.4	1144.8	1092.3	917.0
60°	993.2	1102.5	1193.5	1243.9	1329.5	1366.3	1439.2	1531.5	1508.2	1430.7	1194.0
62.5°	1180.0	1374.4	1513.3	1578.1	1598.4	1646.3	1714.5	1801.7	1765.7	1587.0	1339.7
64°	1286.7	1506.1	1647.1	1704.3	1675.5	1728.0	1774.6	1841.5	1781.0	1585.7	1317.2
65°	1332.0	1555.2	1690.3	1744.6	1686.5	1729.7	1768.3	1810.2	1734.4	1544.2	1262.1
67.5°	1343.5	1558.6	1679.3	1711.5	1615.4	1602.7	1609.0	1604.8	1503.1	1329.5	1077.9
70°	1171.5	1377.8	1546.8	1587.8	1459.1	1390.9	1387.5	1346.9	1243.5	1106.7	887.7
72.5°	904.7	1084.7	1252.0	1307.5	1185.9	1132.1	1119.4	1039.4	953.4	826.7	668.8
75°	612.9	758.6	807.3	810.7	713.2	684.4	665.8	593.4	518.8	464.6	392.2
77.5°	360.0	420.1	375.7	330.8	259.2	183.8	136.8	113.9	124.5	124.1	116.9
80°	304.5	285.9	231.3	179.2	128.8	72.8	52.9	44.9	45.7	46.6	45.7
82.5°	327.4	348.6	295.6	210.1	157.6	92.8	44.9	32.2	36.8	40.7	39.0
85°	277.4	340.1	316.8	227.0	169.0	97.4	31.8	21.2	27.1	33.5	35.6
87.5°	107.6	157.1	127.5	87.7	58.9	32.6	18.6	15.2	19.1	26.7	29.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2.5°	41.9	43.2	45.3	45.3	44.0	45.3	51.2	58.4	62.7	66.1	69.9
5°	43.6	57.2	66.5	67.8	66.1	47.9	44.5	44.5	46.2	47.9	44.0
7.5°	61.0	58.0	40.7	43.2	43.6	44.0	43.6	44.9	45.3	60.1	68.6
10°	69.5	63.1	61.4	51.2	47.9	66.9	66.9	67.3	69.9	70.3	69.9
12.5°	67.8	64.8	65.2	86.8	93.6	89.4	72.4	66.9	69.9	80.0	89.8
15°	90.6	96.6	102.5	89.8	94.0	91.1	107.2	111.4	91.9	90.6	93.6
17.5°	96.6	116.5	117.3	112.2	126.6	113.1	110.1	111.4	109.7	101.6	114.8
20°	159.3	148.2	138.1	126.6	137.2	133.0	130.4	131.7	130.4	130.9	115.6
22.5°	169.0	164.3	173.2	168.6	158.8	148.2	152.5	149.9	136.0	150.8	139.3
25°	219.8	216.4	197.4	175.8	190.6	168.6	158.4	168.6	166.0	154.6	154.6
27.5°	231.3	230.4	227.0	230.8	202.9	191.0	203.3	174.1	175.8	179.6	178.7
30°	267.7	267.3	238.9	242.3	240.6	219.8	211.8	214.7	194.8	191.4	199.1
32.5°	306.6	281.2	273.6	276.1	256.2	242.7	238.5	221.9	214.3	210.5	198.2
35°	323.6	322.7	316.0	291.8	284.2	258.8	255.0	235.9	228.7	226.2	219.8
37.5°	346.0	345.2	338.0	325.3	307.1	277.0	263.9	251.2	235.1	224.9	232.9
40°	376.1	369.7	362.5	341.8	316.8	289.7	271.1	249.0	238.9	229.1	240.6
42.5°	429.5	401.1	383.3	357.0	323.6	291.0	270.2	249.0	229.6	226.6	228.3
45°	476.5	431.2	400.7	366.8	326.5	288.4	262.2	238.0	224.5	213.0	212.6
47.5°	517.6	465.5	416.8	374.4	324.9	281.7	250.3	224.5	207.5	196.5	191.4
50°	556.1	501.5	433.3	376.9	317.7	268.5	233.4	205.8	184.7	172.4	171.1
52.5°	594.6	526.9	447.3	373.1	303.7	248.6	208.8	179.6	156.7	146.5	144.4
55°	649.3	541.3	454.5	359.6	281.7	221.5	179.6	148.7	125.8	120.7	117.7
57.5°	764.1	588.3	461.7	338.4	249.0	186.4	145.3	118.6	101.6	96.6	94.0
60°	948.7	678.1	478.2	306.2	204.6	147.0	111.0	88.9	77.5	74.5	73.3
62.5°	1035.5	701.8	452.8	257.5	156.7	104.6	77.9	62.7	56.8	55.9	56.8
64°	1008.0	661.6	403.6	219.8	124.9	80.9	60.1	50.0	46.6	46.2	47.9
65°	959.3	615.8	366.4	194.0	103.8	66.9	50.4	43.2	40.7	41.5	42.8
67.5°	792.4	476.1	248.2	116.0	60.1	41.1	34.3	30.9	31.3	32.2	33.9
70°	618.8	318.9	135.1	60.1	36.0	28.0	25.8	24.6	25.4	26.7	28.4
72.5°	424.4	178.3	64.4	34.3	26.7	22.4	22.0	21.6	22.4	23.7	25.4
75°	222.4	74.5	36.4	27.1	23.3	20.3	20.8	20.3	21.2	22.4	23.7
77.5°	70.3	40.2	30.5	25.0	22.0	19.1	19.5	19.9	20.8	21.6	22.4
80°	38.1	33.5	27.5	23.3	20.8	17.8	18.6	19.1	20.3	20.8	20.8
82.5°	34.7	29.2	24.1	21.2	19.9	17.4	19.1	19.1	19.1	19.1	19.1
85°	30.5	23.7	19.9	18.6	18.6	16.5	17.8	17.8	16.9	16.9	16.1
87.5°	23.7	17.4	16.9	18.6	17.4	11.9	15.2	14.4	13.1	13.1	12.7
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):

	165°	170°	175°	180°
0°	41.9	41.9	41.9	41.9
2.5°	69.5	69.9	68.2	68.2
5°	43.6	44.0	43.6	43.6
7.5°	71.2	70.3	72.8	70.3
10°	71.6	69.5	69.0	69.5
12.5°	93.2	93.2	93.6	93.6
15°	93.2	92.8	93.6	93.2
17.5°	116.9	117.7	118.2	117.7
20°	118.2	118.6	122.0	119.4
22.5°	140.2	142.7	142.7	142.3
25°	146.1	164.8	168.6	168.1
27.5°	167.7	169.8	170.3	169.8
30°	191.0	191.9	194.0	193.1
32.5°	201.2	214.7	217.3	216.4
35°	218.1	214.3	223.2	232.1
37.5°	228.3	227.0	229.1	228.7
40°	237.6	239.7	242.3	240.1
42.5°	228.7	227.4	228.7	227.9
45°	210.5	210.9	210.1	209.2
47.5°	187.6	187.6	186.8	186.8
50°	163.5	164.3	160.9	161.4
52.5°	138.1	138.9	136.4	133.8
55°	114.4	114.8	111.4	110.5
57.5°	92.3	93.6	90.6	89.4
60°	73.3	73.7	72.8	72.8
62.5°	58.0	57.2	56.3	56.8
64°	49.1	49.6	48.3	49.1
65°	44.0	44.9	44.0	44.9
67.5°	35.2	36.4	36.0	36.4
70°	30.1	30.5	30.1	30.1
72.5°	26.7	27.1	26.3	25.8
75°	25.0	24.6	24.1	23.7
77.5°	22.9	22.9	22.0	21.6
80°	20.3	19.9	19.1	18.2
82.5°	18.6	17.8	15.7	14.4
85°	15.7	14.4	11.9	9.3
87.5°	12.7	11.4	7.2	3.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)