

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: P179235

Luminaire Tested: **UTLD-F01-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179235
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34324)
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-SL2-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1340.7 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - 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

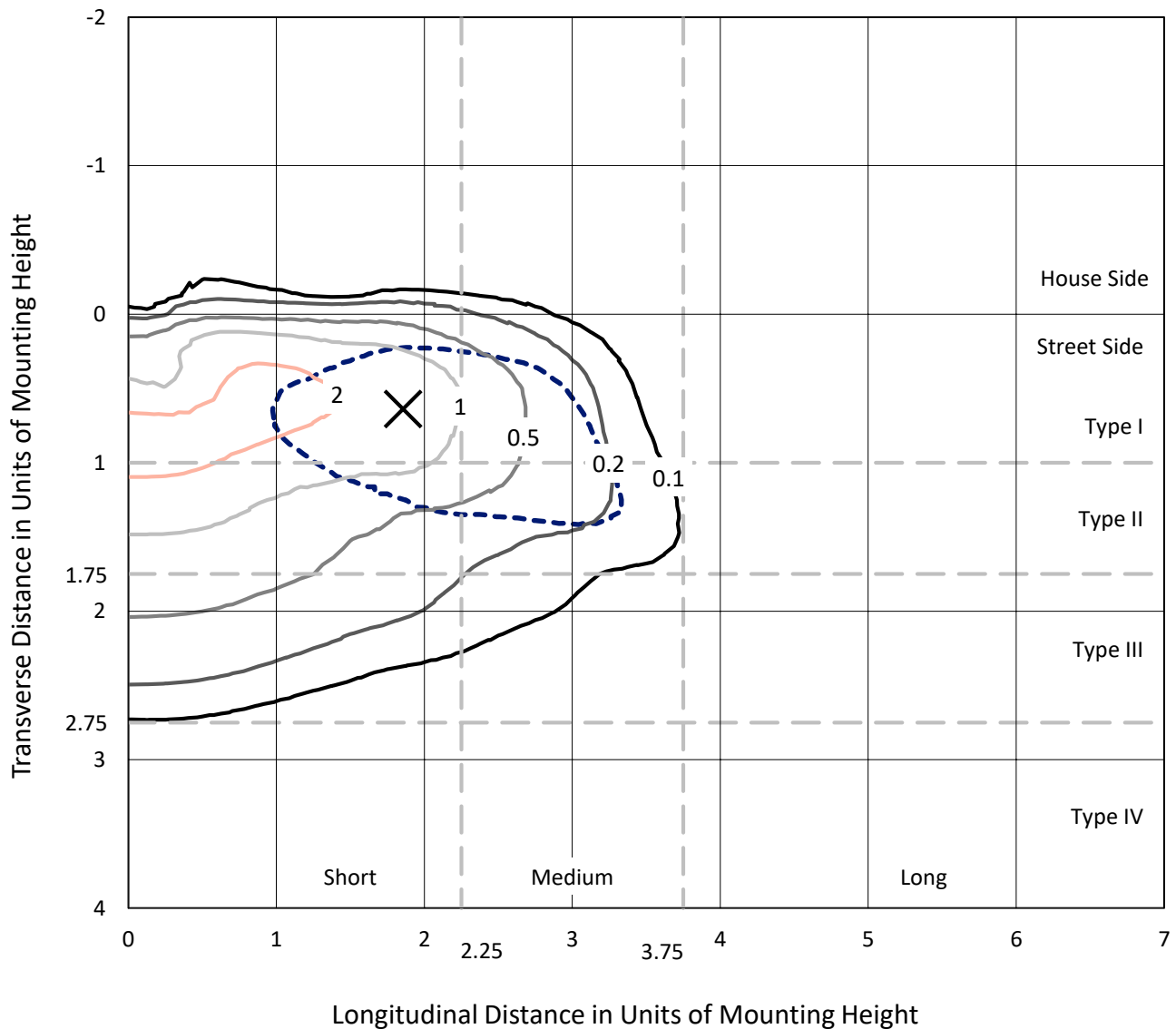


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

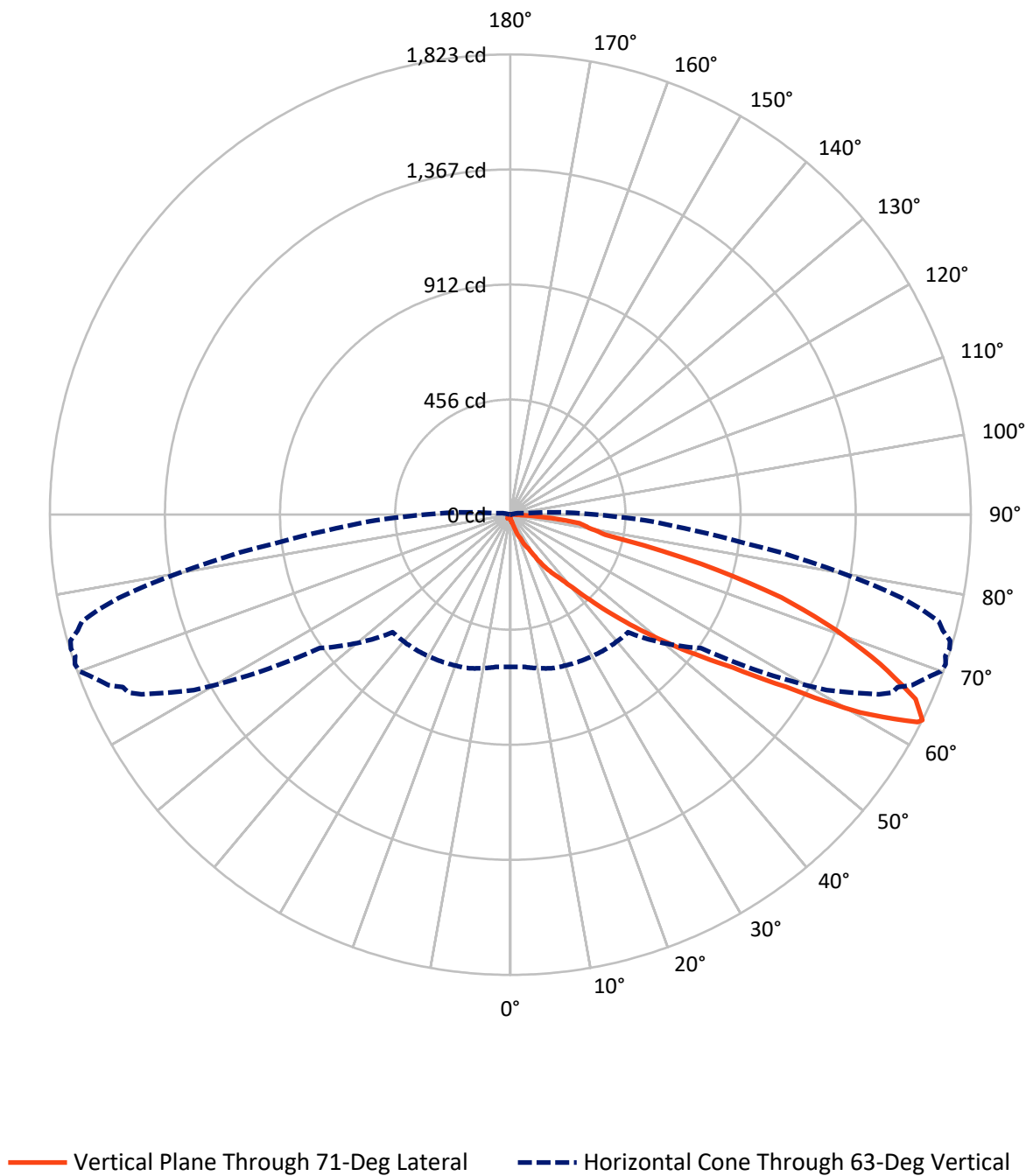


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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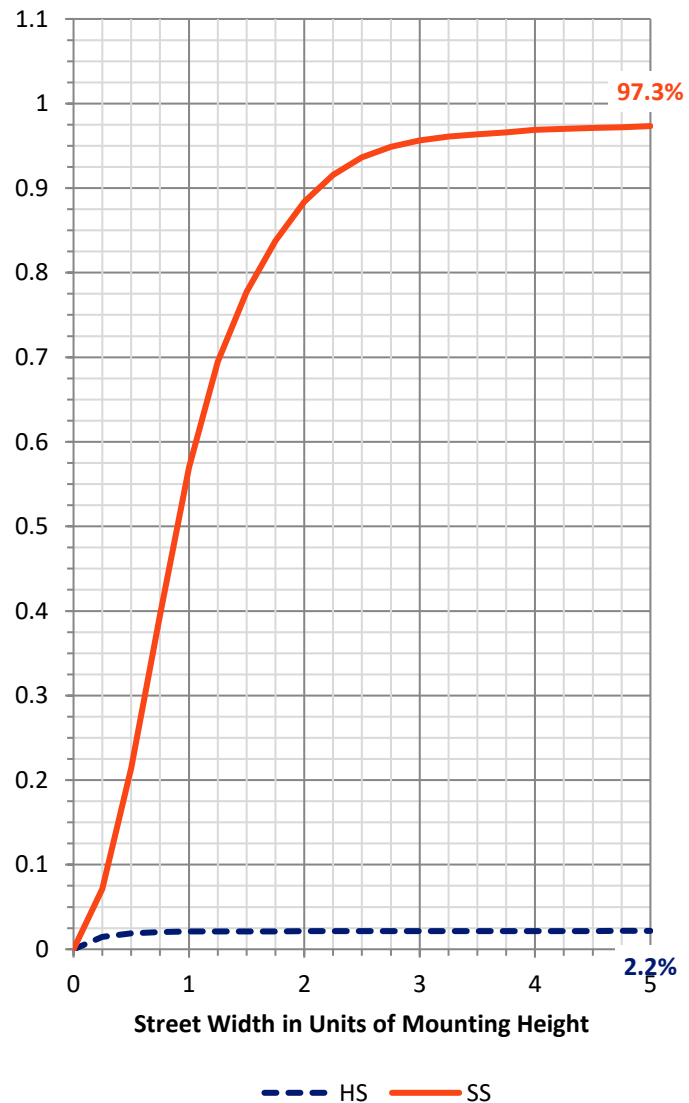
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.7	0.0	29.7
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1311.0	0.0	1311.0
	% Fixture	97.8	0.0	97.8
Total	Lumens	1340.7	0.0	1340.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	10.6	0.8
20°-30°	32.5	2.4
30°-40°	100.3	7.5
40°-50°	238.2	17.8
50°-60°	344.2	25.7
60°-70°	426.0	31.8
70°-80°	161.7	12.1
80°-90°	25.2	1.9
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°	1340.7	100.0
0°-180°	1340.7	100.0

Coefficient of Utilization



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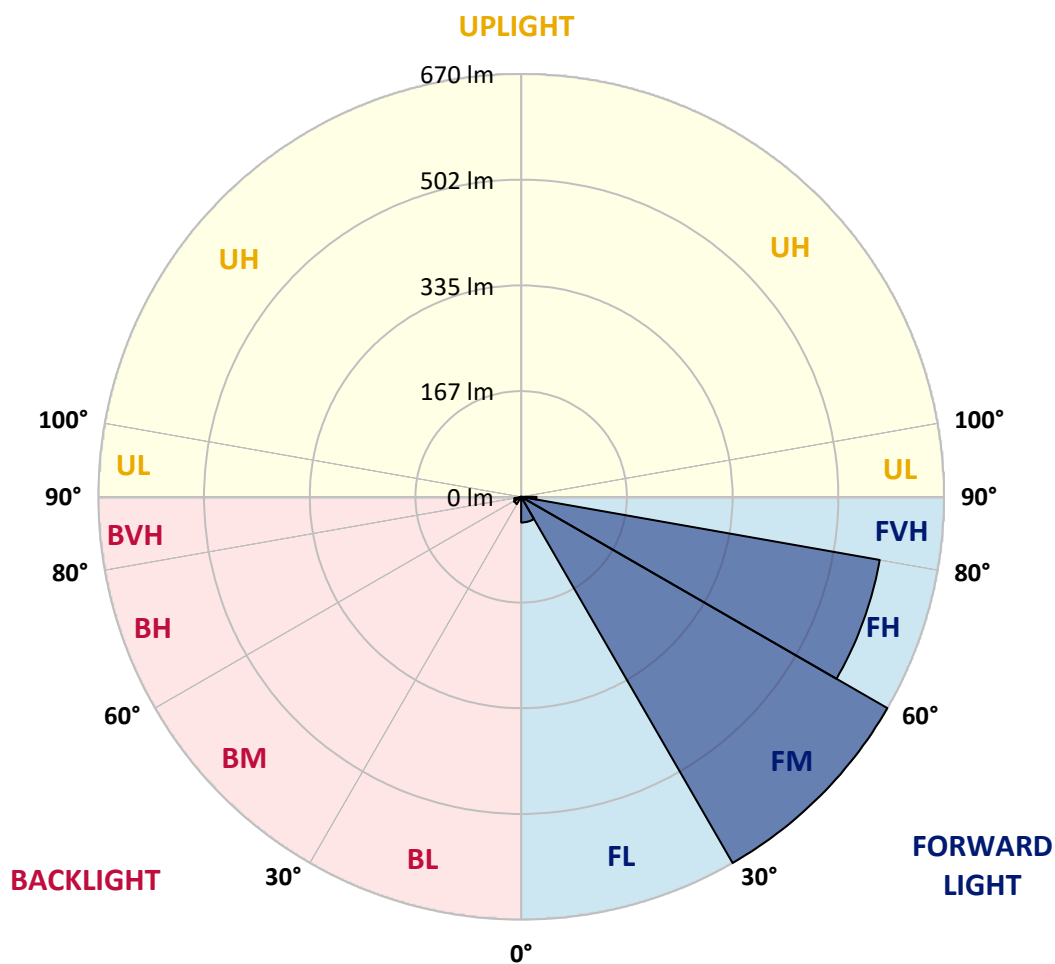
CATALOG NUMBER: UTLD-F01-LED-E-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.6	3.0			
FM	(30°-60°)	669.5	49.9			
FH	(60°-80°)	576.5	43.0			G0/660
FVH	(80°-90°)	24.3	1.8			G1/100
BL	(0°-30°)	4.4	0.3	B0/110		
BM	(30°-60°)	13.2	1.0	B0/220		
BH	(60°-80°)	11.2	0.8	B0/110		G0/110
BVH	(80°-90°)	0.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	25.6	25.2	24.4	24.4	23.9	23.9	23.5	23.1	23.1	23.1	22.7
5°	30.1	29.7	28.5	27.2	27.2	26.4	24.8	24.4	23.9	23.5	23.5
7.5°	49.1	48.7	47.9	46.6	44.6	30.5	27.2	26.8	26.4	26.0	25.6
10°	54.9	54.9	54.5	52.8	50.8	47.5	43.3	31.4	30.5	31.0	32.2
12.5°	73.9	71.8	73.1	71.0	59.9	56.1	57.4	53.2	52.4	52.0	40.5
15°	78.8	76.8	73.1	73.5	75.1	79.7	64.8	61.1	59.0	57.8	57.8
17.5°	86.7	86.7	87.1	87.1	83.8	85.4	84.2	74.7	74.3	72.6	72.2
20°	106.5	105.7	94.1	88.7	97.8	99.9	100.3	86.3	83.4	83.0	85.4
22.5°	112.7	111.9	109.8	111.9	100.3	112.7	129.6	129.2	125.9	124.2	113.9
25°	143.6	142.4	135.0	115.6	123.4	123.8	140.3	141.6	140.8	143.6	152.3
27.5°	165.9	167.6	150.7	138.3	130.0	147.8	178.7	182.4	182.4	178.3	178.7
30°	211.3	210.5	191.9	160.6	156.8	158.9	196.9	209.7	220.4	213.8	221.2
32.5°	303.8	299.7	271.2	213.8	187.8	196.5	236.1	251.4	248.9	245.2	251.8
35°	437.5	434.6	376.0	321.1	269.9	249.7	279.0	304.6	299.3	311.2	315.8
37.5°	531.6	524.2	499.0	443.7	393.8	360.3	372.7	362.8	361.6	369.8	369.0
40°	601.0	601.4	592.7	547.7	511.4	492.8	494.5	457.8	455.3	458.2	452.4
42.5°	634.8	637.7	644.7	622.4	607.6	609.7	626.2	595.2	594.0	586.5	564.2
45°	655.5	659.2	680.6	688.1	683.5	704.2	749.2	724.0	726.0	732.7	700.9
47.5°	657.9	663.3	691.4	713.7	731.8	773.5	842.4	848.2	854.4	859.8	836.3
50°	633.6	635.7	671.2	703.3	730.2	808.6	913.4	949.4	960.5	960.5	940.7
52.5°	589.4	592.3	626.2	661.2	686.8	807.0	959.3	1024.5	1049.2	1050.1	1021.6
55°	570.4	573.7	599.3	630.3	643.1	766.9	987.3	1092.6	1118.6	1123.1	1106.2
57.5°	570.4	574.2	594.8	613.0	619.6	720.3	1004.3	1172.2	1201.6	1229.6	1228.8
60°	596.0	600.2	616.7	615.4	609.2	687.2	996.8	1269.7	1317.1	1364.2	1418.3
62.5°	610.9	613.0	635.7	642.3	641.0	662.9	938.6	1342.3	1415.8	1484.3	1601.5
63°	602.6	605.1	630.3	642.3	653.0	659.2	922.5	1350.1	1433.1	1493.8	1623.8
65°	558.1	558.5	585.3	600.2	672.8	658.8	836.3	1334.9	1436.4	1496.7	1641.6
67.5°	442.1	444.5	463.1	488.3	555.6	668.7	718.6	1159.9	1262.6	1310.9	1472.3
70°	232.8	243.1	258.4	291.8	383.9	568.0	601.4	854.4	953.9	1025.7	1211.0
72.5°	70.6	65.6	85.4	125.1	195.2	392.9	527.5	603.5	660.8	732.2	929.5
75°	31.8	32.6	37.1	53.2	85.4	210.9	461.1	495.7	503.6	527.9	647.6
77.5°	18.2	18.6	21.9	30.1	44.6	105.3	349.2	444.5	438.4	447.0	468.9
80°	12.0	12.4	15.7	21.5	24.8	51.6	198.1	346.7	366.9	389.2	405.3
82.5°	6.6	6.6	9.9	17.3	16.1	24.8	78.0	227.0	263.3	286.5	334.8
85°	2.9	3.3	5.8	11.6	9.9	11.6	37.6	77.2	88.3	92.9	115.6
87.5°	0.8	0.8	1.7	4.1	4.1	5.4	11.1	34.7	36.7	39.6	48.3
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	22.7	22.7	21.9	21.5	20.2	20.2	19.4	19.8	18.6	18.2	17.3
5°	23.1	23.1	23.1	23.1	22.7	22.7	22.7	22.7	22.7	22.7	22.3
7.5°	25.2	25.2	25.2	25.2	24.8	24.4	23.5	23.5	23.1	23.1	23.1
10°	32.2	31.8	31.0	30.5	30.1	29.7	28.9	29.3	28.5	28.9	28.1
12.5°	38.4	37.6	36.3	35.1	34.7	34.3	33.4	33.0	32.6	33.4	33.0
15°	59.9	59.4	59.9	57.8	47.1	46.6	47.1	46.2	45.4	44.2	42.5
17.5°	71.4	70.2	66.0	64.4	64.8	63.6	60.3	53.7	49.9	48.3	47.5
20°	91.6	92.0	92.9	92.9	91.2	89.2	87.1	86.7	84.2	75.5	72.2
22.5°	109.8	109.8	107.7	105.7	103.2	103.6	100.7	94.1	92.0	89.6	88.3
25°	157.7	155.2	149.4	147.4	145.3	139.9	132.9	129.2	128.0	126.3	120.9
27.5°	178.3	175.0	173.8	171.3	163.9	155.2	152.3	150.2	152.3	142.4	135.4
30°	215.9	215.5	214.2	208.9	199.8	192.8	193.2	191.1	177.5	167.2	160.6
32.5°	254.3	251.4	261.3	251.4	243.1	246.0	242.3	229.5	220.0	209.3	208.0
35°	314.5	314.5	306.3	295.5	296.8	298.8	281.1	267.9	261.7	257.2	248.1
37.5°	369.8	367.4	352.1	346.3	352.9	341.4	321.5	312.9	310.8	303.0	288.5
40°	445.0	430.1	418.5	417.3	416.5	389.6	378.5	379.3	368.6	352.9	336.4
42.5°	548.1	524.2	515.5	516.4	486.6	465.2	461.1	450.7	436.7	419.0	404.1
45°	667.0	643.9	644.3	618.3	580.8	562.2	558.1	542.0	524.6	504.0	482.5
47.5°	796.2	779.7	788.0	736.0	702.9	692.2	665.8	640.6	620.4	595.2	568.4
50°	912.6	921.3	903.1	857.7	833.8	819.3	788.4	757.0	731.0	692.6	656.3
52.5°	1021.6	1038.1	1009.6	967.9	971.2	943.6	919.6	887.9	853.2	807.8	769.4
55°	1130.6	1134.3	1110.7	1097.1	1096.3	1078.5	1067.8	1045.1	998.5	952.7	935.3
57.5°	1268.0	1263.5	1247.0	1268.4	1270.1	1275.8	1287.4	1263.9	1249.8	1216.4	1189.6
60°	1466.5	1462.8	1470.3	1533.4	1546.2	1584.6	1592.9	1593.7	1581.7	1592.4	1527.2
62.5°	1642.0	1656.8	1705.1	1734.4	1764.6	1801.7	1810.0	1794.7	1802.5	1803.4	1752.6
63°	1667.6	1679.1	1729.1	1754.2	1783.1	1814.1	1823.2	1811.6	1818.6	1811.6	1773.2
65°	1678.7	1684.1	1742.7	1736.1	1772.8	1786.4	1763.3	1758.8	1784.8	1747.6	1740.6
67.5°	1514.0	1546.6	1585.8	1585.8	1614.3	1611.4	1580.5	1587.1	1587.5	1573.0	1569.3
70°	1265.9	1332.0	1340.2	1370.0	1389.8	1372.4	1365.8	1370.4	1335.7	1343.5	1308.9
72.5°	1007.1	1078.1	1091.3	1146.7	1152.4	1113.2	1122.7	1095.5	1057.5	1034.0	986.1
75°	733.1	778.1	817.3	833.0	833.4	796.2	780.1	717.4	661.7	594.8	577.0
77.5°	511.8	506.9	521.7	513.1	454.9	436.3	383.9	353.3	324.8	275.3	248.1
80°	413.6	409.0	416.1	397.5	372.3	351.3	313.7	285.6	253.8	232.4	199.4
82.5°	352.9	371.5	376.0	349.6	336.8	319.1	275.7	245.2	214.2	186.6	160.6
85°	134.6	160.6	158.5	165.1	165.5	156.4	137.9	109.4	86.7	70.2	57.0
87.5°	52.0	58.2	54.5	54.1	54.5	49.9	42.5	37.6	31.8	25.6	21.5
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	16.9	16.1	16.1	15.3	15.3	14.9	14.9	14.4	14.4	14.0	14.0
5°	22.3	22.3	21.9	21.1	19.0	18.2	16.5	15.3	14.9	14.4	14.0
7.5°	23.1	23.1	22.7	22.7	22.3	21.9	21.5	20.2	18.2	16.5	15.3
10°	28.1	27.2	27.7	28.5	28.1	28.1	27.7	27.2	26.4	25.6	20.6
12.5°	32.6	32.2	31.4	29.7	28.9	28.5	28.5	28.1	27.7	27.2	26.4
15°	41.3	40.0	39.6	38.4	37.6	36.3	36.7	36.3	35.5	33.8	30.1
17.5°	45.8	45.0	43.8	44.2	43.3	40.9	36.7	35.5	34.3	33.0	31.8
20°	71.0	69.8	67.3	63.2	58.2	55.7	53.7	51.6	52.0	51.6	48.3
22.5°	83.0	75.5	71.0	67.7	66.5	66.5	64.8	65.6	60.3	58.6	51.6
25°	111.4	106.1	100.3	97.0	95.3	91.6	84.6	79.7	74.3	72.6	67.3
27.5°	133.3	128.4	128.4	123.0	113.9	106.9	99.9	95.8	89.2	84.6	78.8
30°	160.6	154.4	146.5	136.6	128.0	121.4	116.4	106.5	100.3	94.1	82.6
32.5°	200.6	189.0	179.1	170.1	162.2	149.0	141.2	132.9	120.1	106.9	101.1
35°	237.8	223.3	212.2	202.7	186.6	177.5	165.5	146.9	133.3	126.7	113.5
37.5°	274.1	260.5	249.7	231.1	216.7	201.4	181.6	168.0	156.0	139.5	121.4
40°	321.5	306.3	284.4	268.3	249.3	223.7	208.9	192.3	172.1	151.9	136.6
42.5°	383.9	359.5	341.8	321.5	286.9	270.4	250.1	220.8	195.2	177.1	151.9
45°	459.0	433.8	414.8	375.2	350.0	324.8	294.3	260.0	234.4	206.0	184.5
47.5°	538.7	521.3	480.9	441.2	416.5	378.9	343.8	308.3	272.8	247.7	208.9
50°	638.1	594.4	549.8	521.3	481.3	439.2	397.9	352.9	322.0	283.2	245.6
52.5°	737.6	677.3	645.1	603.0	548.6	500.3	452.4	408.6	364.9	323.2	278.6
55°	871.8	811.5	763.2	702.5	640.6	585.3	535.8	481.7	433.8	380.2	331.4
57.5°	1116.9	1050.5	981.1	890.3	814.8	747.9	681.1	617.1	545.7	487.9	428.9
60°	1483.5	1413.7	1318.4	1212.3	1095.5	991.5	896.1	800.3	712.0	641.0	549.8
62.5°	1724.5	1652.7	1564.4	1438.5	1315.1	1177.2	1058.3	925.4	826.8	724.8	640.6
63°	1748.5	1672.1	1583.4	1464.1	1333.6	1204.4	1083.9	939.0	837.9	735.5	648.4
65°	1711.7	1664.3	1581.7	1481.8	1380.7	1254.8	1123.1	980.7	866.4	762.4	660.4
67.5°	1529.7	1507.8	1454.2	1399.7	1309.3	1221.8	1101.3	975.8	854.4	755.8	661.7
70°	1295.7	1265.5	1223.4	1201.6	1139.2	1064.9	982.0	883.7	796.2	699.2	613.8
72.5°	968.3	908.9	875.1	838.3	798.7	746.7	698.4	643.1	572.1	520.5	434.6
75°	506.9	440.8	395.8	343.0	300.5	257.2	234.0	218.4	194.4	168.0	148.6
77.5°	205.6	171.7	138.7	118.1	88.7	71.0	60.7	53.7	49.5	44.2	40.9
80°	172.5	137.9	111.0	84.2	61.9	45.0	33.4	26.0	22.3	19.4	17.7
82.5°	139.5	119.7	99.5	78.4	60.3	48.7	35.9	25.6	18.6	14.9	12.8
85°	44.6	39.2	30.5	25.6	21.1	17.7	14.9	12.0	10.7	9.9	9.1
87.5°	18.6	14.4	13.2	12.0	11.6	11.1	11.1	10.3	9.5	8.3	7.4
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
2.5°	13.6	13.6	13.2	13.6	12.8	12.0	11.6	11.1	10.7	10.7	10.7
5°	14.0	13.6	13.2	12.8	11.6	10.7	9.9	9.1	10.3	9.1	6.2
7.5°	14.4	14.0	13.2	12.8	11.6	10.3	9.5	5.8	3.7	3.7	4.1
10°	19.4	18.2	17.7	16.5	15.3	11.1	7.0	3.7	3.3	5.0	5.8
12.5°	21.1	19.8	18.6	17.3	14.4	12.0	5.8	5.0	6.2	5.0	5.4
15°	28.5	24.4	23.1	21.9	19.4	14.0	6.6	6.6	6.2	5.4	6.2
17.5°	31.4	26.8	25.6	24.8	19.0	9.1	7.4	7.8	6.2	7.0	5.8
20°	45.4	40.5	36.7	35.1	25.6	13.2	10.3	7.4	7.8	6.2	7.0
22.5°	52.0	48.3	44.6	43.8	28.9	14.4	12.0	10.3	7.4	7.4	6.6
25°	64.4	59.4	53.2	47.9	30.5	18.2	14.4	10.3	8.7	7.0	6.6
27.5°	73.1	64.8	59.4	56.1	33.0	19.0	14.0	11.6	8.7	6.6	5.8
30°	76.4	71.8	64.4	56.1	33.4	19.8	14.9	11.1	8.7	6.6	6.2
32.5°	93.3	83.0	72.2	66.0	35.9	21.1	14.4	11.1	8.3	6.2	5.8
35°	99.9	90.0	78.4	69.8	37.6	20.2	14.0	9.9	7.4	5.8	4.5
37.5°	110.6	96.2	85.0	74.3	38.0	19.0	12.8	9.5	6.6	5.0	4.1
40°	118.5	106.5	90.0	78.0	38.0	17.7	12.0	8.3	5.8	4.1	3.3
42.5°	137.0	116.0	99.5	85.4	38.8	16.1	10.7	7.0	5.0	2.9	2.5
45°	156.8	136.6	114.7	97.8	39.6	14.9	9.5	6.2	3.7	2.1	1.2
47.5°	184.9	158.5	133.7	112.3	40.0	13.6	8.7	5.4	2.9	1.2	0.8
50°	211.7	183.3	153.1	131.3	40.9	12.4	7.4	4.5	2.1	0.8	0.4
52.5°	243.1	208.0	177.5	146.5	41.3	11.6	6.6	3.7	1.2	0.4	0.0
55°	287.7	250.5	207.6	175.0	42.1	10.3	5.4	2.9	0.8	0.4	0.0
57.5°	376.4	326.1	273.2	226.2	46.2	9.1	4.5	2.1	0.4	0.4	0.0
60°	484.6	428.4	358.7	290.6	54.5	7.8	3.7	1.2	0.4	0.0	0.0
62.5°	563.0	490.8	407.8	334.3	60.3	6.6	3.3	0.8	0.4	0.4	0.0
63°	575.8	497.8	411.5	337.2	60.7	6.6	2.9	0.8	0.4	0.0	0.0
65°	585.3	504.4	416.5	341.8	61.9	5.8	2.5	0.8	0.4	0.4	0.0
67.5°	577.5	489.9	404.5	333.1	62.7	5.0	2.1	0.8	0.4	0.4	0.4
70°	523.8	445.8	371.1	304.2	58.2	4.1	1.7	0.8	0.4	0.4	0.4
72.5°	376.4	335.6	267.1	219.6	44.6	3.7	1.7	1.2	0.4	0.8	0.8
75°	126.7	113.5	94.5	83.8	26.0	2.5	1.2	1.2	0.4	0.8	0.8
77.5°	36.3	33.8	29.3	26.8	13.2	2.1	1.2	1.2	0.4	1.2	1.2
80°	15.7	14.4	12.8	11.1	5.8	1.7	1.2	1.7	0.4	1.7	1.2
82.5°	11.6	10.3	9.1	7.4	3.3	1.7	1.7	2.1	0.4	1.7	1.7
85°	8.3	7.4	6.2	5.4	2.5	1.7	1.7	2.1	0.8	2.1	2.1
87.5°	6.6	5.8	5.0	3.7	2.5	1.7	1.7	2.5	0.8	2.5	2.1
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°	175°	180°
0°	13.6	13.6	13.6
2.5°	10.7	11.1	11.1
5°	5.4	5.8	5.8
7.5°	4.5	5.0	5.0
10°	6.2	6.2	6.2
12.5°	5.8	6.2	6.2
15°	6.6	7.0	7.0
17.5°	5.8	7.4	7.8
20°	6.6	6.6	6.6
22.5°	6.6	7.0	7.0
25°	6.2	6.2	6.2
27.5°	6.2	6.2	6.2
30°	5.4	6.2	6.2
32.5°	5.4	5.4	5.4
35°	5.0	5.0	5.0
37.5°	4.1	4.5	4.5
40°	3.3	3.3	3.3
42.5°	2.1	2.1	2.1
45°	1.2	1.2	1.2
47.5°	0.8	0.8	0.8
50°	0.4	0.4	0.4
52.5°	0.4	0.4	0.4
55°	0.0	0.4	0.4
57.5°	0.0	0.0	0.4
60°	0.0	0.0	0.4
62.5°	0.0	0.0	0.4
63°	0.0	0.0	0.4
65°	0.4	0.0	0.4
67.5°	0.4	0.4	0.4
70°	0.4	0.4	0.4
72.5°	0.8	0.4	0.8
75°	0.8	0.8	0.8
77.5°	1.2	0.8	0.8
80°	1.2	1.2	0.8
82.5°	1.7	1.2	0.4
85°	1.7	1.7	0.8
87.5°	2.1	2.1	0.8
90°	0.0	0.0	0.0

(END OF REPORT)