

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: P157063

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157063
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33669)
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-SL3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1831.5 lumens
Efficiency: N/A
Efficacy: 70.7 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

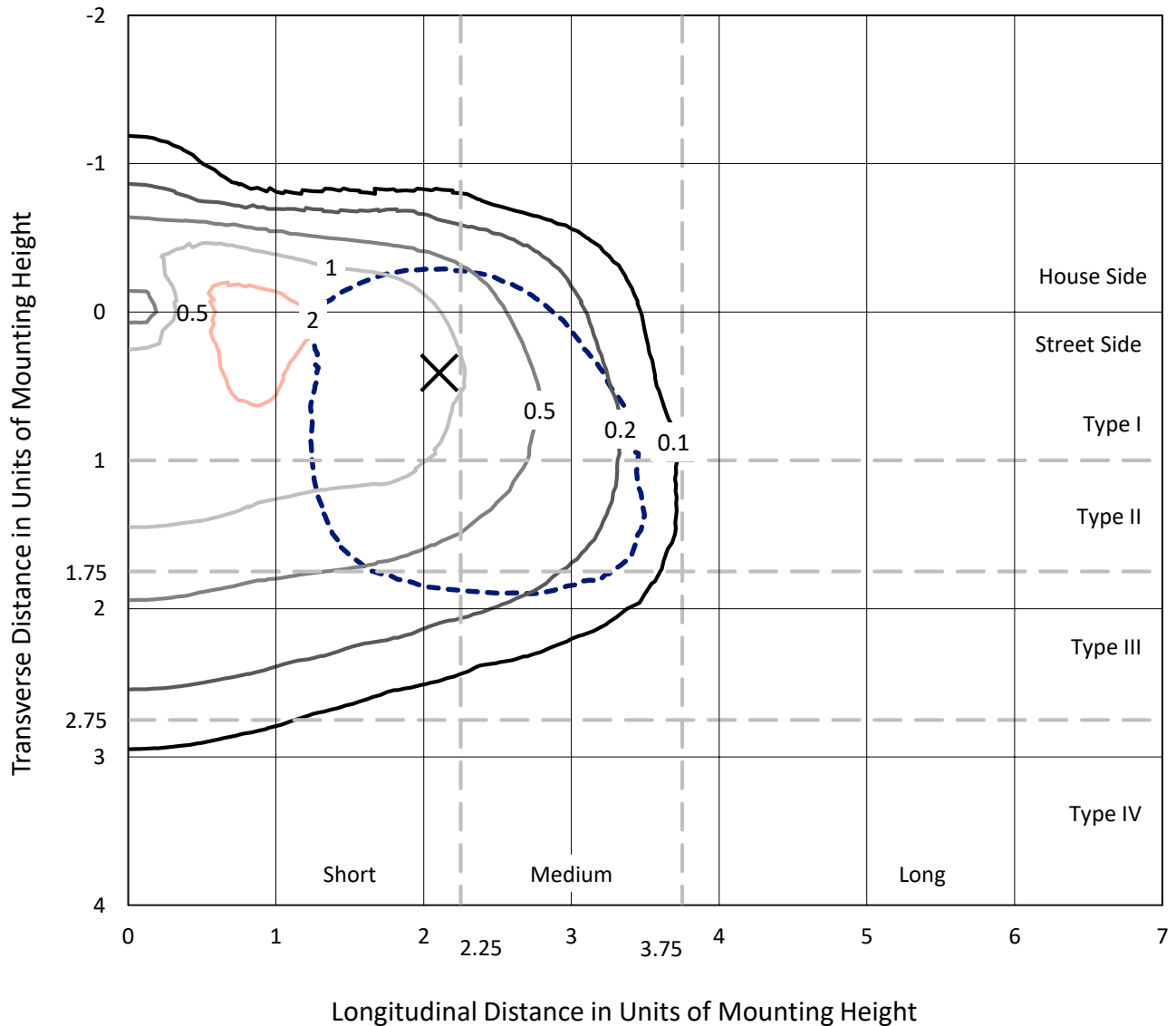
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

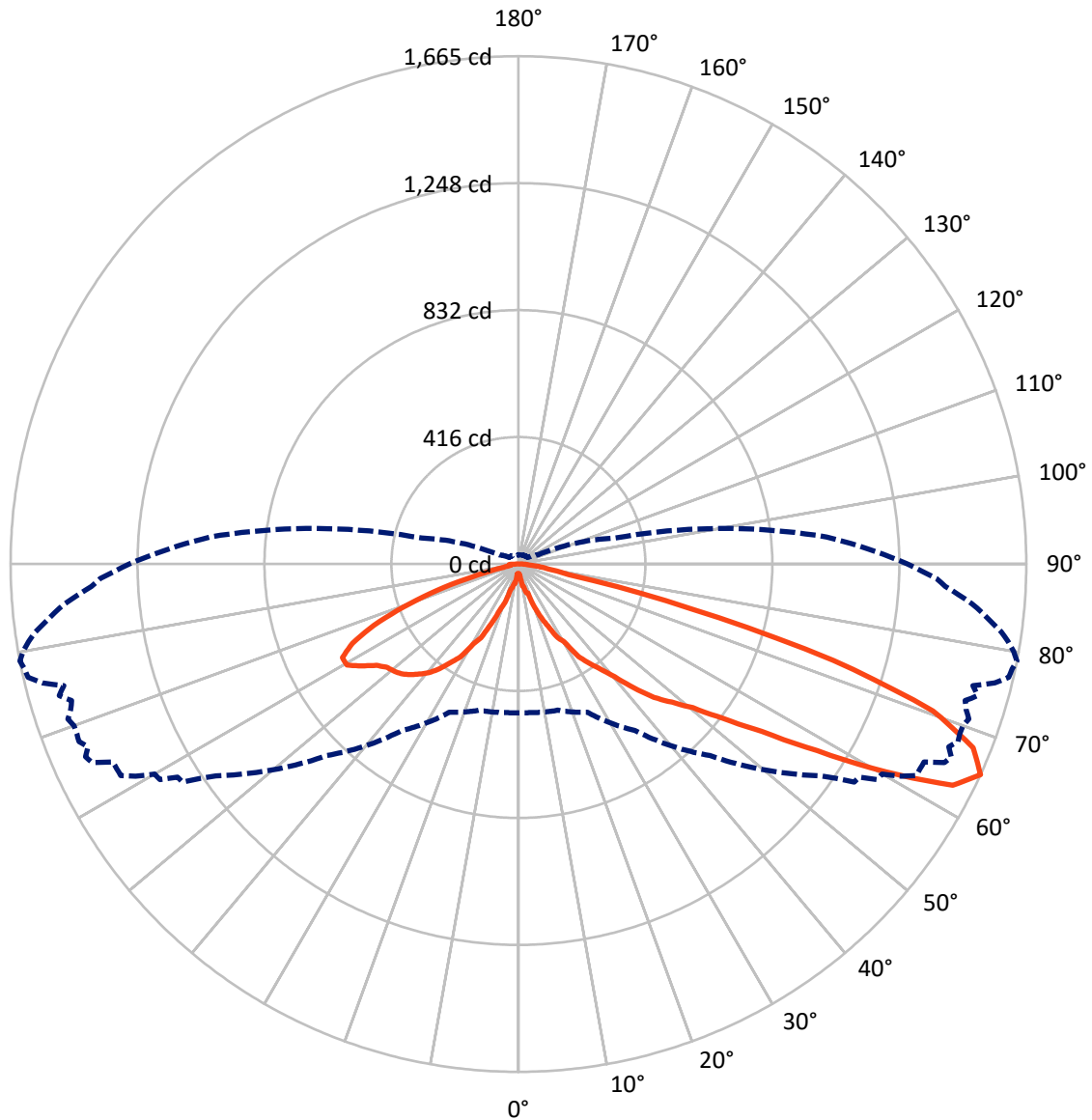
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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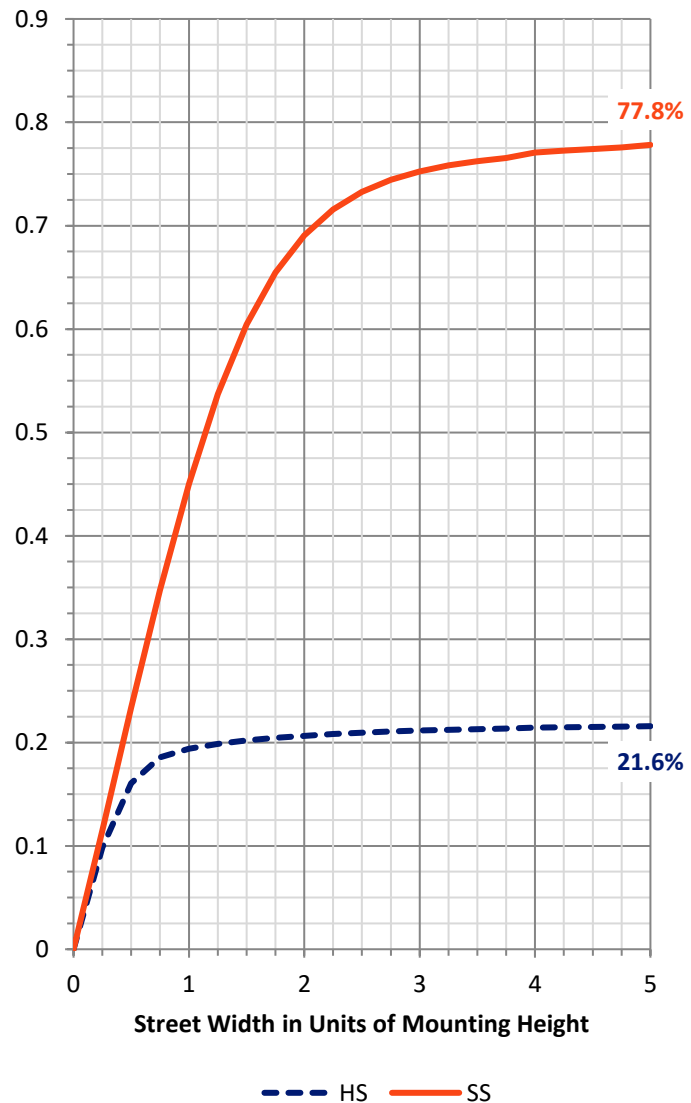
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	400.7	0.0	400.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	1430.9	0.0	1430.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	1831.5	0.0	1831.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.2
10°-20°	28.1	1.5
20°-30°	86.5	4.7
30°-40°	166.5	9.1
40°-50°	275.1	15.0
50°-60°	413.8	22.6
60°-70°	554.3	30.3
70°-80°	260.5	14.2
80°-90°	42.3	2.3
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°	1831.5	100.0
0°-180°	1831.5	100.0



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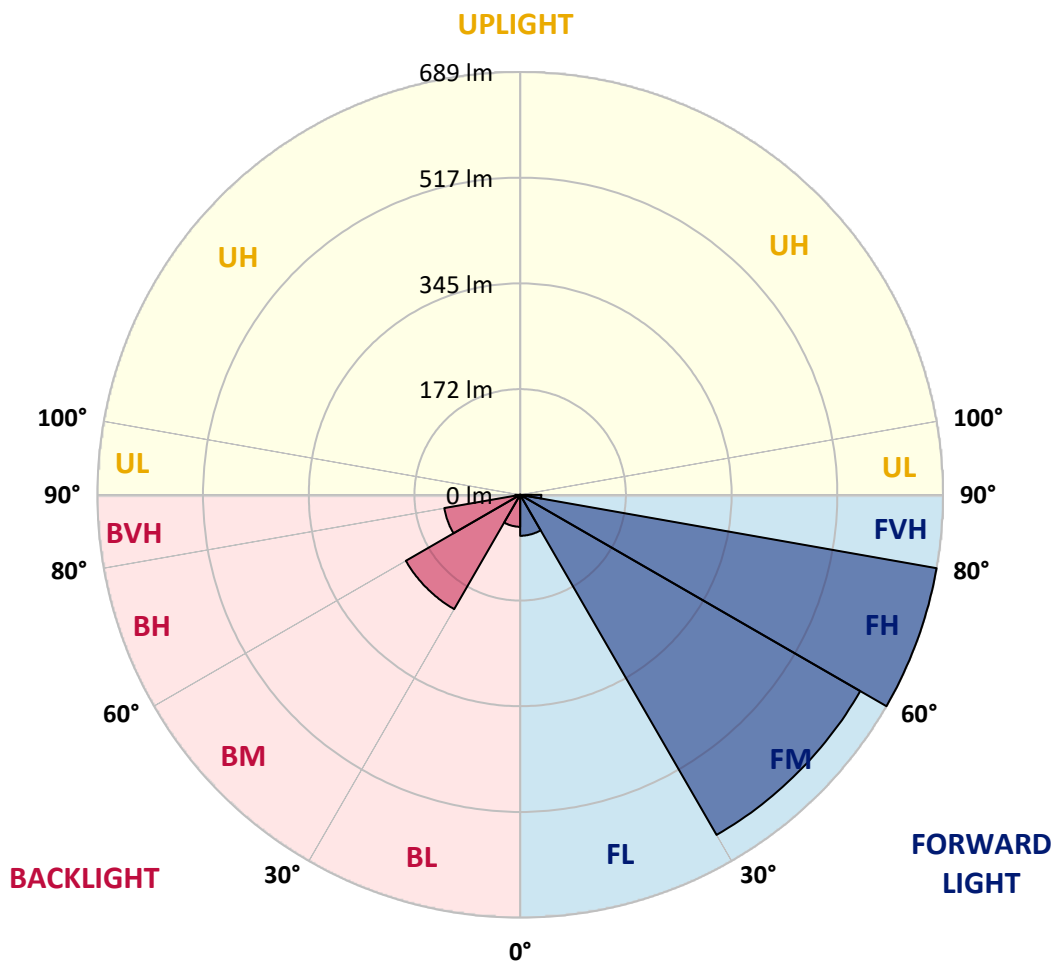
CATALOG NUMBER: UTLD-F01-LED-E-U-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.8	3.6			
FM	(30°-60°)	640.2	35.0			
FH	(60°-80°)	689.3	37.6			G1/1800
FVH	(80°-90°)	34.6	1.9			G1/100
BL	(0°-30°)	52.1	2.8	B0/110		
BM	(30°-60°)	215.3	11.8	B0/220		
BH	(60°-80°)	125.5	6.9	B1/500		G1/500
BVH	(80°-90°)	7.7	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°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	52.3	51.9	51.9	52.3	51.6	51.2	44.6	43.2	41.8	40.8	39.7
5°	43.2	43.5	43.2	43.2	44.2	42.8	47.0	47.7	49.5	50.2	51.6
7.5°	69.3	69.7	69.0	68.3	56.1	44.9	43.5	43.5	43.5	44.9	44.6
10°	73.5	73.5	72.8	72.1	70.0	66.9	48.8	49.1	57.5	51.2	60.6
12.5°	102.8	103.5	102.1	97.2	74.9	93.0	93.7	92.7	92.0	89.5	87.4
15°	110.8	113.2	109.0	103.8	120.9	102.8	98.6	97.5	96.8	96.8	102.4
17.5°	152.9	153.6	150.5	140.7	127.9	122.6	121.2	120.5	120.2	120.2	120.9
20°	182.5	184.6	161.3	168.3	155.7	141.8	136.9	136.9	137.3	134.5	130.6
22.5°	201.0	200.3	189.5	193.7	171.7	158.5	170.7	173.8	177.3	178.7	180.8
25°	238.6	238.3	211.5	193.3	188.1	178.0	180.5	183.6	186.0	191.6	202.1
27.5°	242.8	242.5	223.3	215.3	186.7	203.4	228.5	233.8	236.9	237.6	236.9
30°	273.8	273.1	258.5	224.7	213.2	221.6	245.6	250.8	253.6	255.7	255.7
32.5°	305.9	305.9	278.3	236.2	229.6	253.3	288.8	290.5	292.6	293.0	293.7
35°	329.6	322.2	290.5	265.1	255.0	280.1	324.7	325.7	332.0	348.4	353.2
37.5°	342.1	342.8	330.9	300.3	301.3	329.6	398.9	400.3	401.3	405.5	411.4
40°	362.3	365.8	357.4	338.6	347.0	391.6	463.3	467.9	471.7	472.4	483.9
42.5°	382.9	385.6	386.0	391.6	398.9	456.4	525.7	530.2	529.5	534.7	552.2
45°	417.3	421.5	428.5	435.1	451.5	516.3	587.7	594.7	589.1	602.3	613.5
47.5°	461.6	464.7	476.6	494.0	500.6	568.9	652.5	654.2	659.1	673.0	677.2
50°	500.6	504.4	519.4	542.4	550.4	614.9	702.0	702.7	710.7	730.5	722.5
52.5°	530.2	534.4	547.3	583.2	595.7	666.1	740.3	740.6	754.6	773.0	756.7
55°	546.6	551.1	559.8	600.6	625.0	704.1	785.6	787.7	807.5	817.6	805.1
57.5°	547.3	551.5	561.6	597.1	637.5	743.4	848.3	858.7	879.6	892.2	892.2
60°	541.0	546.2	556.0	586.7	649.4	787.3	944.8	966.4	999.8	1012.0	1039.5
62.5°	524.6	527.1	533.0	568.2	666.8	839.9	1083.8	1119.7	1169.1	1176.8	1232.9
65°	487.4	488.8	496.1	536.1	666.1	888.0	1209.9	1256.9	1312.3	1317.5	1371.2
67.5°	438.6	441.7	447.3	485.6	603.0	869.5	1220.7	1282.0	1325.2	1326.9	1371.9
70°	363.0	361.6	368.2	395.4	486.0	729.1	1103.6	1161.1	1190.4	1202.6	1233.2
72.5°	237.9	238.6	233.8	250.5	327.5	513.5	889.0	953.1	966.4	996.0	1011.3
75°	133.8	131.0	136.2	150.1	184.6	309.0	605.1	661.9	689.4	713.8	727.0
77.5°	79.4	78.4	87.1	106.6	149.1	207.3	349.1	377.3	399.9	418.7	442.8
80°	36.9	39.4	38.7	43.9	81.2	177.3	242.5	253.6	263.4	274.2	288.8
82.5°	18.1	19.9	23.0	24.0	28.6	89.5	216.3	227.5	236.9	247.7	262.3
85°	11.8	12.2	17.1	17.4	17.8	27.2	105.9	122.6	129.2	147.4	172.4
87.5°	4.2	5.9	12.5	11.1	11.1	13.2	35.9	39.4	41.1	44.9	50.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	39.4	39.4	38.0	36.6	35.9	35.9	34.8	34.8	34.5	34.1	33.4
5°	51.2	51.9	51.9	51.9	51.6	51.2	50.9	50.2	49.5	48.1	47.0
7.5°	43.5	42.8	42.2	40.8	41.1	42.2	43.2	44.6	46.7	47.7	48.1
10°	61.3	63.1	62.7	63.1	62.7	63.4	63.4	64.1	63.8	64.1	64.8
12.5°	84.0	77.0	70.4	69.0	68.6	68.3	69.0	68.6	70.4	71.4	71.4
15°	105.6	112.9	113.2	117.1	116.4	110.8	104.9	103.1	101.7	101.7	98.2
17.5°	121.2	123.7	124.0	123.0	124.4	124.0	122.3	120.2	117.7	113.2	106.6
20°	144.6	148.1	150.1	152.2	156.4	153.3	152.6	166.5	168.3	169.7	168.3
22.5°	183.6	183.2	182.2	176.6	173.8	173.5	174.5	177.3	177.0	178.0	179.1
25°	206.9	206.6	209.4	219.5	222.3	232.4	229.6	229.6	231.3	233.1	230.3
27.5°	235.1	238.3	242.1	241.8	246.6	245.3	244.9	247.7	247.7	244.2	246.3
30°	257.4	267.2	280.4	284.6	281.8	281.8	285.7	289.5	288.4	288.1	288.8
32.5°	297.9	307.6	299.2	308.7	303.1	312.1	326.4	336.2	339.7	339.3	344.5
35°	363.0	364.7	359.5	363.3	370.0	371.7	373.1	373.1	368.9	375.9	379.0
37.5°	418.4	409.7	417.3	412.8	417.7	423.3	422.6	416.0	413.9	425.4	424.3
40°	488.8	474.8	484.6	482.1	484.9	486.7	479.0	474.5	480.1	483.5	482.8
42.5°	540.7	548.0	548.3	547.3	549.7	550.1	536.1	538.2	544.8	543.8	540.3
45°	596.8	608.9	602.3	612.4	613.5	599.9	596.8	605.8	607.9	604.4	600.2
47.5°	665.0	673.0	661.9	677.2	677.6	662.2	669.2	675.5	676.9	669.9	676.2
50°	723.9	724.6	722.2	734.0	727.0	719.4	734.7	738.2	735.1	725.7	735.4
52.5°	772.3	762.9	772.7	789.1	770.2	771.3	794.3	791.5	781.7	790.8	784.2
55°	824.9	816.6	839.9	847.6	830.2	846.2	862.2	858.4	847.2	865.7	852.8
57.5°	904.0	906.1	926.7	932.6	925.3	960.8	968.5	967.4	967.8	980.0	974.4
60°	1046.5	1067.1	1090.7	1108.9	1120.7	1162.9	1163.5	1164.2	1177.8	1183.8	1203.6
62.5°	1229.0	1283.4	1296.6	1318.6	1362.5	1402.9	1394.2	1395.2	1412.6	1398.7	1424.5
65°	1376.4	1434.2	1476.0	1479.2	1540.5	1552.7	1532.8	1553.7	1550.2	1550.2	1561.4
67.5°	1390.3	1449.9	1487.5	1503.9	1575.0	1571.8	1552.7	1584.0	1565.6	1581.2	1576.7
70°	1265.6	1310.2	1349.2	1384.1	1448.2	1444.7	1445.7	1488.9	1486.5	1498.7	1486.1
72.5°	1047.5	1086.9	1108.5	1171.9	1188.6	1186.2	1212.3	1215.8	1235.3	1261.8	1245.4
75°	784.5	810.3	812.0	854.2	847.6	839.6	843.4	857.3	821.1	798.1	779.6
77.5°	479.0	484.9	479.4	474.1	457.1	440.3	449.4	441.7	418.4	403.4	385.6
80°	301.7	309.0	311.8	328.5	324.0	338.3	349.1	359.9	363.0	350.1	337.6
82.5°	279.4	281.8	290.2	307.3	310.4	328.9	331.3	337.9	326.4	319.1	296.5
85°	179.8	185.3	202.4	191.6	206.2	206.6	198.9	198.2	175.9	164.4	138.3
87.5°	55.0	56.4	63.1	63.4	71.8	73.2	75.6	73.2	65.5	55.0	45.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	33.1	32.7	32.4	32.4	32.4	32.0	32.0	32.0	32.0	31.7	31.7
5°	44.9	43.2	41.1	38.3	35.5	34.5	34.5	33.8	33.4	33.1	32.7
7.5°	48.1	47.7	47.7	47.7	47.0	46.3	45.6	42.5	36.2	33.4	33.1
10°	64.8	66.9	70.4	73.9	74.6	74.6	73.9	72.5	71.1	69.3	63.8
12.5°	71.1	71.1	70.0	69.0	70.4	73.5	76.6	78.0	77.7	77.0	76.6
15°	97.2	97.2	96.8	96.1	96.1	95.8	96.1	97.9	100.0	102.1	102.1
17.5°	106.6	105.9	106.3	107.3	103.1	102.1	101.7	100.0	99.6	101.0	102.1
20°	166.5	164.1	157.1	156.4	155.0	154.3	154.0	151.9	150.8	153.6	154.0
22.5°	177.7	180.8	178.7	189.2	172.1	172.8	183.9	190.2	190.2	189.2	187.4
25°	233.4	231.3	233.8	234.5	231.0	233.8	228.5	225.7	221.9	221.6	222.3
27.5°	247.0	252.9	254.0	263.7	269.6	266.8	277.6	273.1	269.3	266.2	268.9
30°	293.3	291.6	294.4	295.4	299.2	297.2	293.3	295.4	298.6	303.4	299.6
32.5°	349.1	351.9	354.3	355.0	357.1	354.3	354.6	361.6	366.1	360.9	352.9
35°	382.5	382.5	387.0	386.3	382.5	383.9	395.7	398.5	393.7	390.2	395.7
37.5°	425.4	424.7	425.0	426.1	423.6	436.9	443.1	436.2	430.9	441.7	437.2
40°	478.0	482.8	478.7	479.4	489.8	497.5	490.9	485.6	498.5	490.5	483.9
42.5°	543.5	538.9	533.0	545.2	554.9	549.7	542.1	555.3	551.5	540.3	559.5
45°	608.3	602.3	603.4	614.2	618.0	607.2	614.2	623.6	606.2	624.3	631.2
47.5°	665.4	668.2	680.4	690.5	677.2	680.4	690.8	676.5	689.8	703.4	702.0
50°	725.7	737.8	746.2	744.5	735.4	755.3	745.9	740.6	768.8	772.7	776.9
52.5°	782.4	800.9	802.6	791.8	805.8	816.9	804.0	840.3	852.1	854.9	866.7
55°	862.9	879.6	872.7	870.2	905.1	897.0	923.2	968.1	973.7	984.8	986.9
57.5°	996.7	1009.2	1001.9	1030.1	1058.3	1053.5	1131.5	1154.5	1186.2	1192.5	1198.4
60°	1228.0	1218.2	1218.2	1278.9	1271.5	1321.7	1378.1	1384.4	1418.6	1421.0	1428.0
62.5°	1428.0	1423.8	1456.5	1474.3	1470.8	1562.1	1576.7	1597.3	1593.4	1600.4	1558.2
65°	1542.9	1531.1	1565.6	1542.2	1608.8	1649.5	1654.7	1664.5	1648.1	1624.8	1598.3
67.5°	1544.3	1546.4	1549.9	1534.2	1610.2	1612.9	1621.7	1607.4	1593.4	1533.2	1506.0
70°	1458.6	1472.2	1442.6	1470.8	1501.1	1484.7	1479.2	1441.9	1405.3	1342.3	1288.6
72.5°	1220.7	1202.6	1184.8	1206.0	1191.4	1161.5	1125.6	1079.2	1011.3	963.6	912.0
75°	737.1	703.4	721.1	690.1	646.2	634.0	593.3	580.4	526.0	456.7	430.6
77.5°	367.9	332.7	337.2	310.7	277.3	249.8	207.6	170.0	135.5	104.9	85.7
80°	308.0	290.9	273.8	245.9	217.7	180.8	143.2	101.4	69.0	50.5	43.2
82.5°	265.1	260.2	226.8	200.0	168.6	137.3	96.8	66.9	43.2	33.4	31.0
85°	122.6	110.4	95.8	91.6	72.1	58.9	43.9	32.4	25.1	22.3	20.6
87.5°	44.2	38.0	35.2	30.3	26.5	24.0	22.6	21.9	21.9	21.9	20.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	31.7	31.7	31.4	31.4	31.4	31.4	31.4	31.0	31.0	31.0	31.7
5°	32.7	32.4	32.4	32.0	32.0	32.0	31.7	31.7	31.4	32.4	43.5
7.5°	33.1	33.4	33.4	33.4	33.4	33.4	33.1	33.1	33.1	36.9	42.8
10°	56.8	54.7	54.3	53.6	53.0	52.6	51.9	50.9	52.3	71.1	49.5
12.5°	74.6	66.5	60.3	59.2	58.5	57.5	57.5	54.7	57.1	67.9	53.0
15°	101.4	98.9	92.0	85.4	86.0	86.0	85.4	85.0	78.7	79.4	80.5
17.5°	104.5	109.7	113.6	104.9	96.8	91.6	93.0	100.3	90.2	86.4	103.1
20°	153.6	155.4	156.1	151.2	140.4	140.4	142.1	143.9	135.9	134.5	134.1
22.5°	184.3	186.4	185.0	187.1	184.3	182.5	179.1	175.2	171.0	154.3	165.1
25°	223.0	228.2	231.0	226.4	219.8	211.8	209.4	209.7	216.7	215.6	228.5
27.5°	272.4	269.6	266.2	269.3	272.1	263.4	260.2	257.1	255.4	281.8	250.8
30°	290.2	288.1	292.6	288.1	287.4	291.2	294.7	289.1	288.8	310.0	284.3
32.5°	356.7	355.3	344.9	349.1	353.6	354.3	353.9	359.9	356.4	360.9	298.6
35°	388.8	381.5	391.6	393.0	388.1	394.4	394.4	393.0	402.4	383.9	310.4
37.5°	432.0	437.2	443.8	445.9	451.1	439.6	449.0	450.8	465.4	406.5	301.7
40°	501.0	504.8	509.0	508.3	503.0	515.6	503.4	508.3	524.6	419.8	291.9
42.5°	565.1	568.5	574.8	574.5	576.5	570.3	580.0	576.5	578.6	423.3	279.7
45°	633.0	641.7	635.8	648.7	645.2	642.7	648.7	646.6	625.3	429.9	259.2
47.5°	710.0	707.9	713.8	713.8	716.2	720.4	714.2	715.9	665.7	434.4	236.9
50°	777.2	780.3	786.3	785.6	790.8	785.9	791.8	772.3	699.2	431.6	208.3
52.5°	864.6	877.2	870.6	874.1	868.5	877.2	859.1	850.0	744.8	418.4	179.1
55°	1009.9	990.4	1003.0	989.0	990.1	987.6	964.6	958.4	811.3	411.4	145.6
57.5°	1191.8	1189.7	1180.3	1162.9	1158.7	1143.7	1124.5	1102.2	917.6	409.3	118.1
60°	1412.3	1403.9	1374.7	1358.3	1328.3	1298.0	1281.3	1254.1	1030.8	400.3	97.5
62.5°	1554.8	1519.2	1498.0	1459.0	1431.1	1395.9	1368.7	1318.2	1062.9	380.1	86.4
65°	1561.7	1528.6	1492.4	1446.4	1401.5	1370.8	1321.7	1274.7	1014.8	328.5	72.1
67.5°	1461.1	1425.2	1353.4	1319.3	1275.4	1239.1	1179.9	1138.8	892.2	263.7	57.1
70°	1258.7	1198.0	1131.8	1085.9	1048.6	1006.1	950.3	905.4	712.1	194.0	44.2
72.5°	871.6	836.8	775.8	752.5	715.9	695.3	665.7	648.0	503.7	133.4	36.6
75°	424.0	397.8	361.3	368.9	343.1	348.7	352.5	332.0	278.3	75.6	31.7
77.5°	79.1	82.9	73.9	73.9	74.9	71.4	72.1	78.4	78.0	38.3	26.8
80°	40.4	39.7	38.3	37.6	35.9	34.8	33.4	32.7	31.7	27.5	23.3
82.5°	29.3	27.5	25.8	24.7	23.7	22.3	21.3	21.6	23.7	27.2	25.1
85°	18.8	18.1	16.7	16.4	16.0	15.7	16.0	16.7	22.6	32.4	24.7
87.5°	20.2	18.5	16.7	16.0	15.7	15.0	14.6	15.7	24.0	35.2	21.3
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):

	125°	135°	145°	155°	165°	175°	180°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	32.4	34.8	42.8	49.1	49.8	49.8	49.5
5°	48.8	33.8	31.4	32.0	30.7	31.0	30.7
7.5°	31.0	31.0	31.7	43.9	49.5	51.6	50.2
10°	36.9	49.1	49.8	51.9	52.3	51.9	51.6
12.5°	71.8	70.7	54.0	57.5	74.9	75.9	75.6
15°	77.3	76.6	93.4	77.3	80.1	80.8	80.1
17.5°	101.0	101.0	100.7	92.7	104.2	104.2	103.8
20°	119.5	124.4	120.9	116.0	102.1	102.4	102.4
22.5°	169.3	138.3	132.0	126.5	114.6	114.6	114.3
25°	174.5	155.4	138.7	121.2	111.1	121.6	120.5
27.5°	225.0	162.3	130.3	123.3	110.4	107.3	107.3
30°	221.6	171.4	145.6	112.5	106.6	102.1	100.0
32.5°	234.5	169.7	128.5	102.4	86.7	85.0	82.9
35°	227.1	160.9	110.1	81.5	66.5	63.4	63.4
37.5°	219.5	137.3	88.8	60.6	53.0	50.5	50.9
40°	193.3	110.4	61.7	46.7	46.7	47.0	47.0
42.5°	165.1	76.6	45.3	40.1	42.2	43.5	43.2
45°	129.9	51.6	36.6	36.9	39.7	40.8	40.8
47.5°	92.7	38.3	33.4	34.5	37.6	39.0	38.7
50°	63.1	32.7	31.4	33.1	36.2	36.9	36.9
52.5°	45.6	31.0	30.0	31.7	34.8	35.5	35.5
55°	38.0	30.3	29.3	30.7	33.4	34.1	34.5
57.5°	35.9	30.3	28.9	30.3	32.4	33.1	33.1
60°	35.9	30.7	29.6	30.3	31.4	32.0	32.4
62.5°	36.6	32.4	31.0	31.0	31.0	31.4	31.4
65°	38.0	35.5	33.4	32.4	31.0	30.0	30.3
67.5°	39.7	38.7	36.9	34.1	30.3	28.2	28.2
70°	41.1	41.8	41.1	35.5	29.6	26.1	25.8
72.5°	40.8	44.2	41.8	35.9	28.9	24.4	24.0
75°	38.3	41.1	36.2	32.4	27.2	23.0	22.3
77.5°	33.4	30.3	25.1	25.1	22.6	20.6	19.9
80°	26.8	20.2	16.7	17.8	17.1	12.9	11.1
82.5°	21.3	13.2	12.5	13.2	12.9	9.4	8.0
85°	17.4	9.1	9.1	10.1	9.1	7.0	5.2
87.5°	13.6	5.2	5.9	5.6	5.6	4.2	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)